

A genome-wide SNP scan accelerates trait-regulatory genomic loci identification in chickpea

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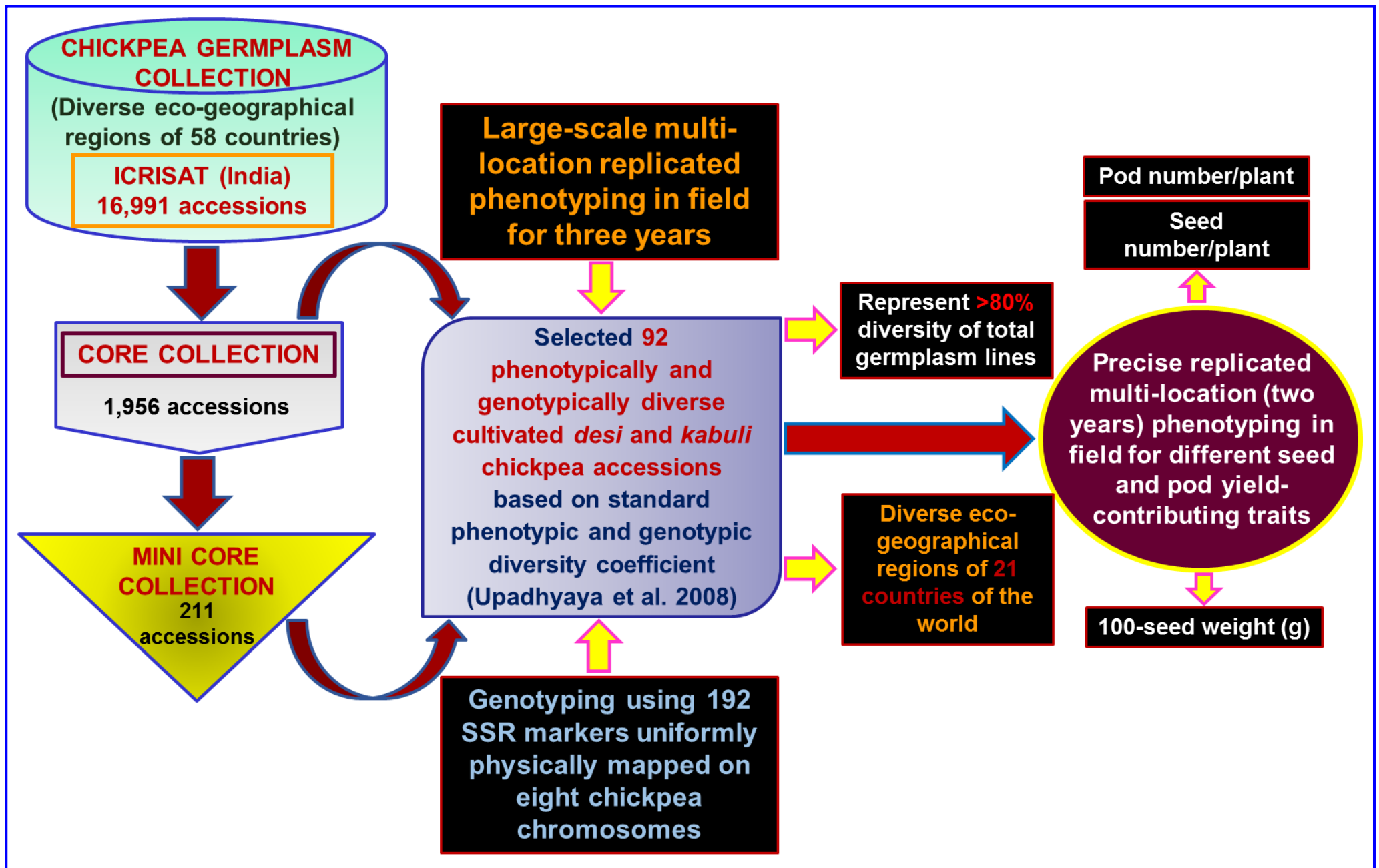


Fig. S1: Major steps/strategies followed for selecting 92 phenotypically and genotypically diverse chickpea accessions belonging to a seed and pod trait-specific association panel from 16991, including 1956 core and 211 mini-core germplasm lines that are available at the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India.

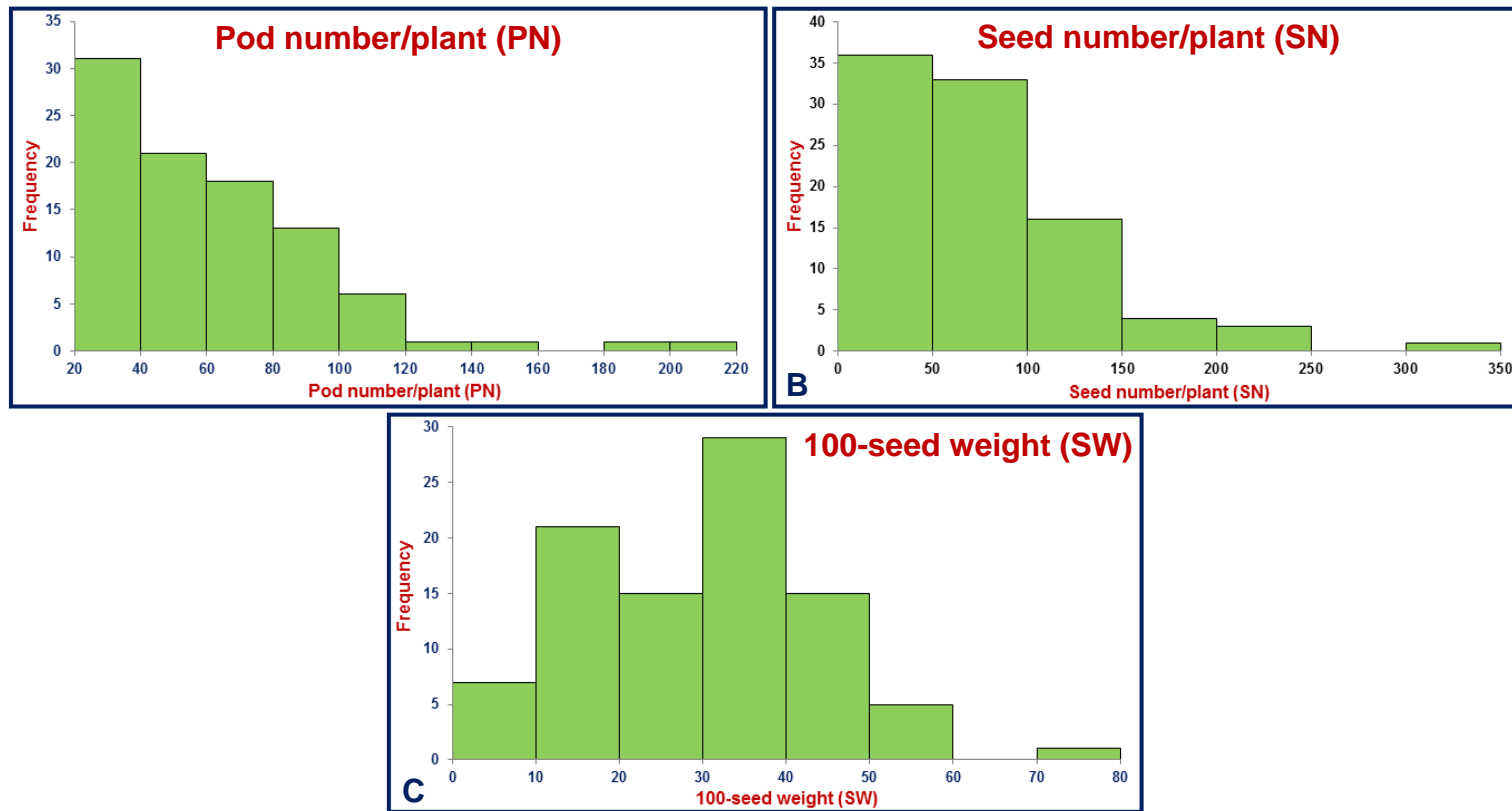


Fig. S2: Frequency distribution (histogram) of three seed and pod yield-contributing quantitative traits (PN, SN and SW) in 92 chickpea accessions belonging to an association panel. Blank lines represent the null distribution.

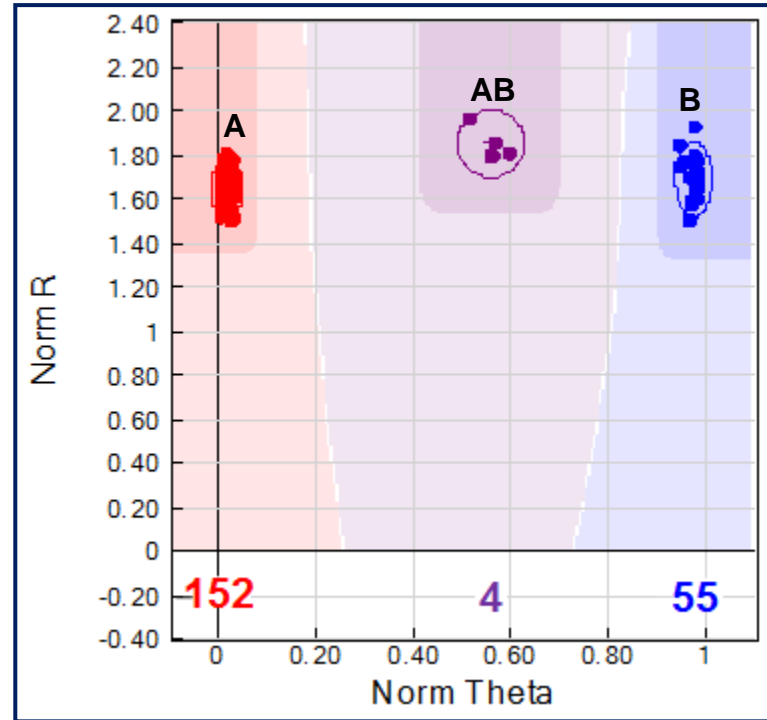


Fig. S3: Example of one SNP (A/G) validated in a cellulose synthase gene by the Illumina GoldenGate genotyping assay showing homozygous and heterozygous cluster separation for 211 chickpea minicore accessions based on plotting of normalised R [sum of intensities of the two channels (Cy3 and Cy5)] on the y-axis vs. normalised theta [$(2/\pi)\text{Tan}^{-1}(\text{Cy5}/\text{Cy3})$] on the x-axis. A normalised theta value nearest 0 is homozygous for allele A (red), a theta value nearest 0.5 is heterozygote AB (violet) and a theta value nearest 1 is homozygous for allele B (blue).

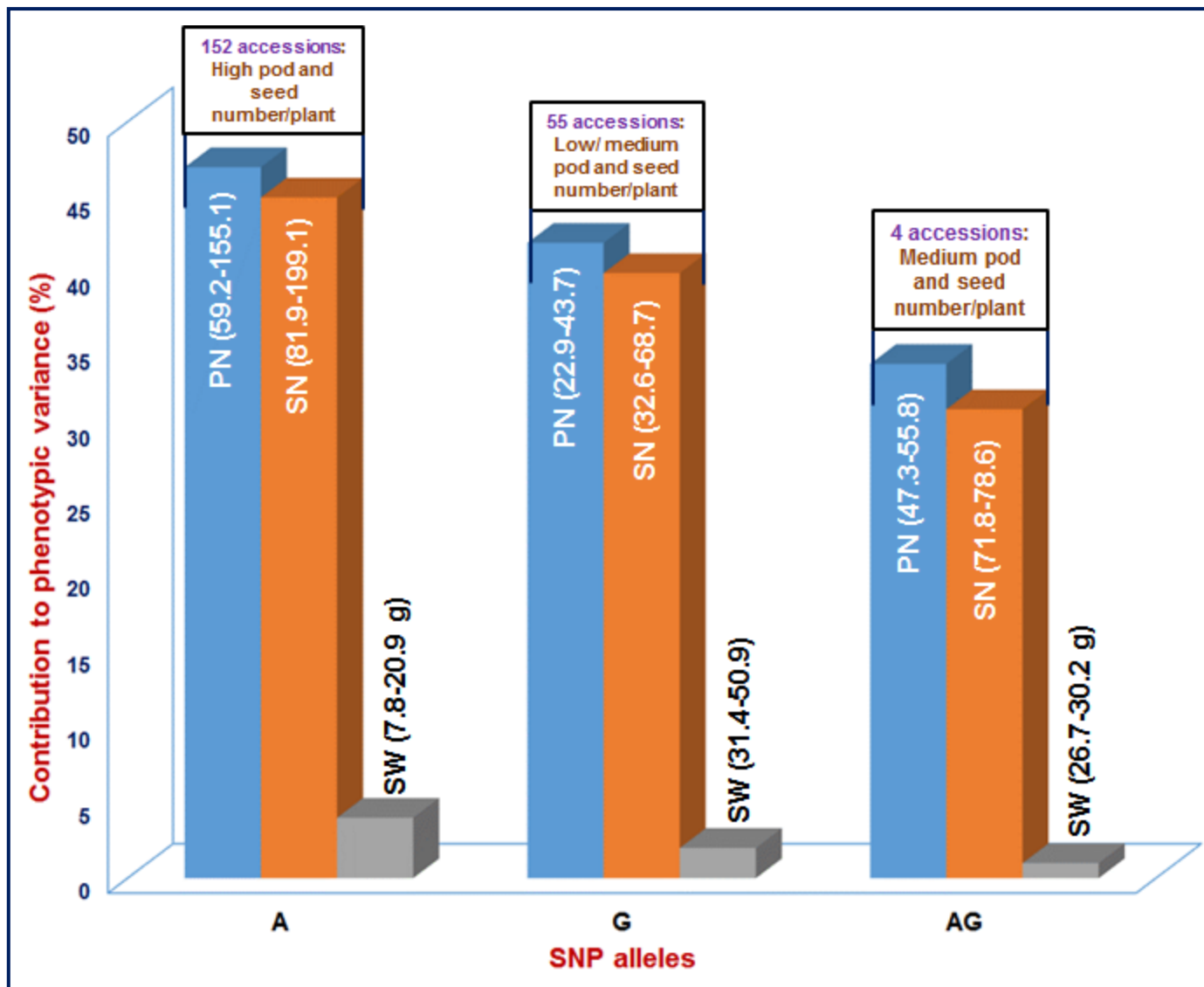


Fig. S4: Large-scale validation and marker allele effects of GWAS-associated SNP (A/G) identified in URR of a cellulose synthase gene for PN, SN and SW trait variation in 211 chickpea minicore accessions. The significant contributions of A- and G-alleles with ~40-45% PN and SN phenotypic variation in 152 high and 55 low pod- and seed number-containing accessions were evident. AG allele had 30-35% PVE for PN and SN in four medium pod- and seed number-containing accessions. Low trait association potential of these gene-based SNP alleles with SW was evident. Range of phenotypic variation observed for PN, SN and SW traits in minicore accessions are mentioned inside the bars.

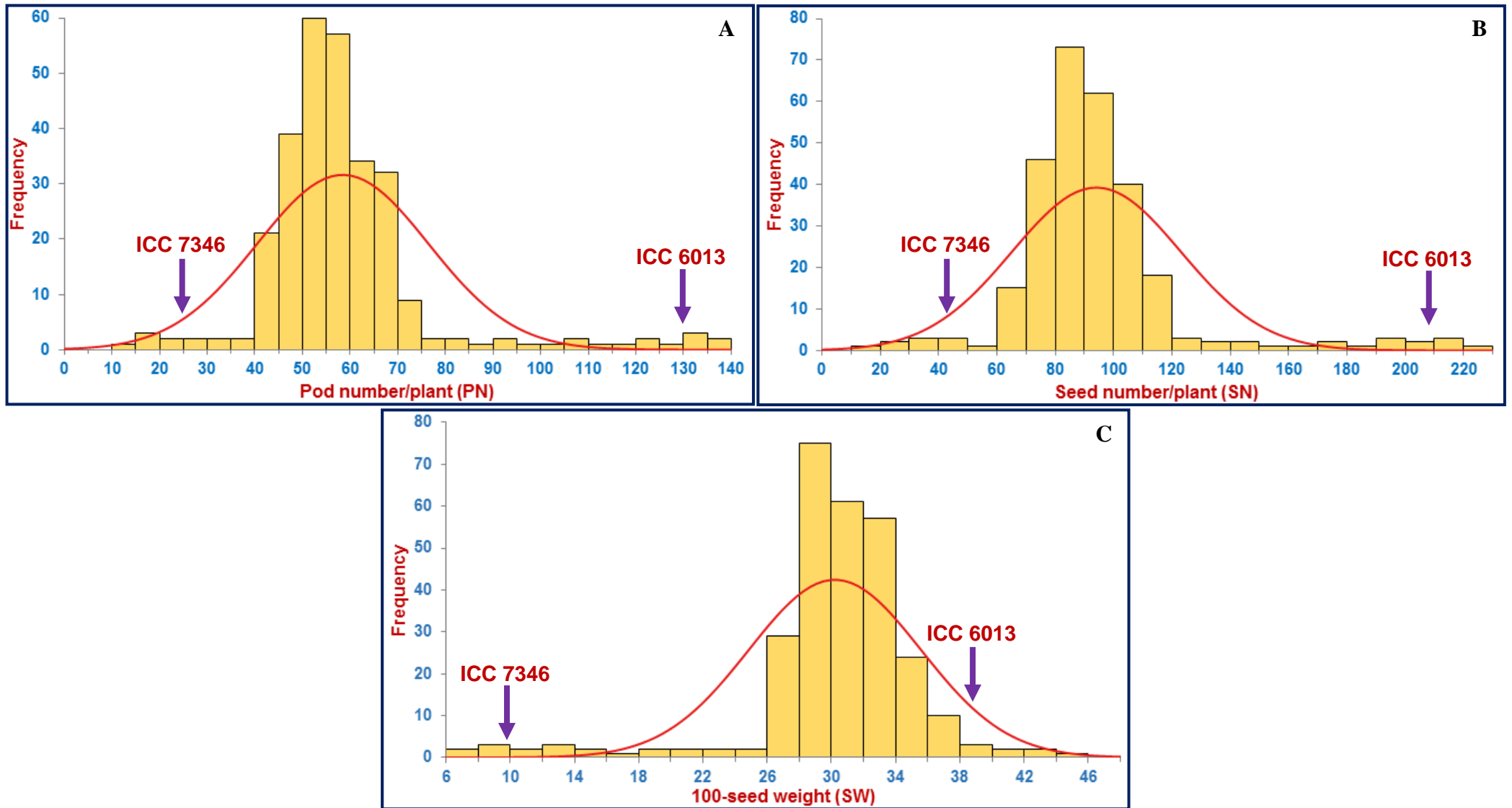


Fig. S5: Frequency distribution of three seed and pod yield-contributing quantitative traits; PN (A), SN (B) and SW (C) in 283 F₄ mapping individuals (ICC 6013 x ICC 7346) and parental accessions, depicted a goodness of fit to the normal distribution.

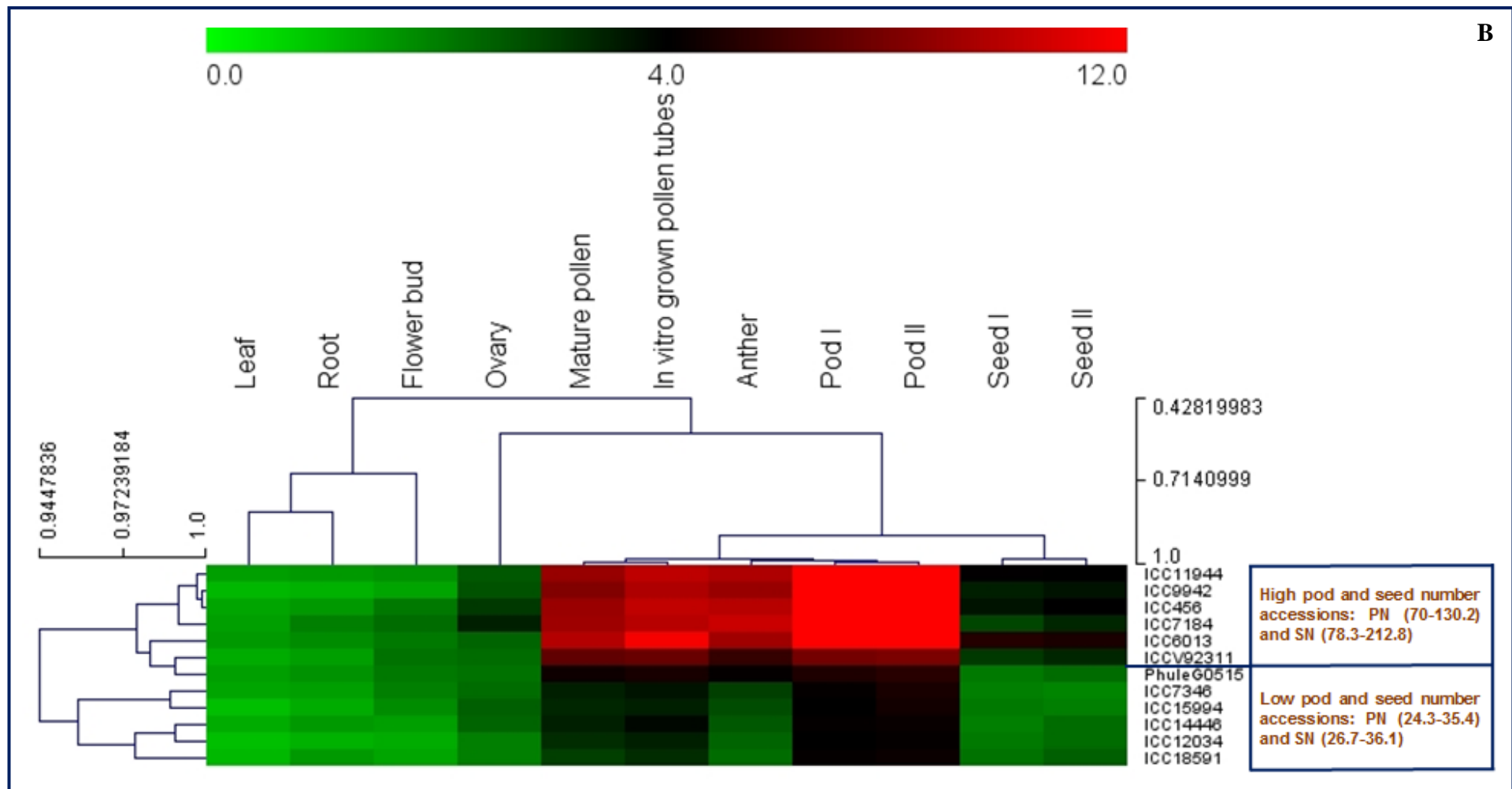


Fig. S6: Hierarchical cluster display represented differential expression profiles of (A) 12 genes and gene-associated targets (validated by GWAS and QTL mapping) including a (B) cellulose synthase gene (validated by GWAS, QTL mapping and expression profiling) in seven different vegetative and reproductive tissues and two pod developmental stages of high (ICCV 92311, ICC 6013, ICC 9942, ICC 11944, ICC 456 and ICC 7184) and low (Phule G0515, ICC 7346, ICC 15994, ICC 14446, ICC 12034 and ICC 18591) pod and seed number-containing accessions. The colour scale at the top represents average log signal expression values of genes in various tissues and developmental stages; in which green, black and red color signify low, medium and high level of expression, respectively. (A) One cellulose synthase *kabuli* gene (Ca17942) showing higher differential up-regulation during pod development of high pod and seed number-containing accession (ICC 6013) is highlighted with red boxes. The details on identities of genes are mentioned in the Table 3. (A) The tissues and genes used for expression profiling are mentioned on the right and top side of expression map, respectively. (B) The tissues and genotypes used for expression profiling are mentioned on the top and right side of expression map, respectively.

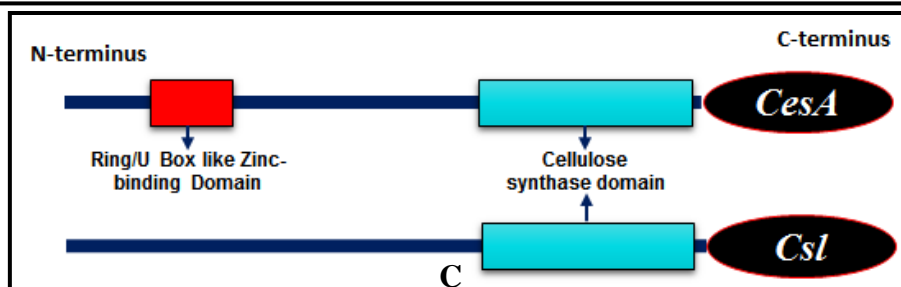
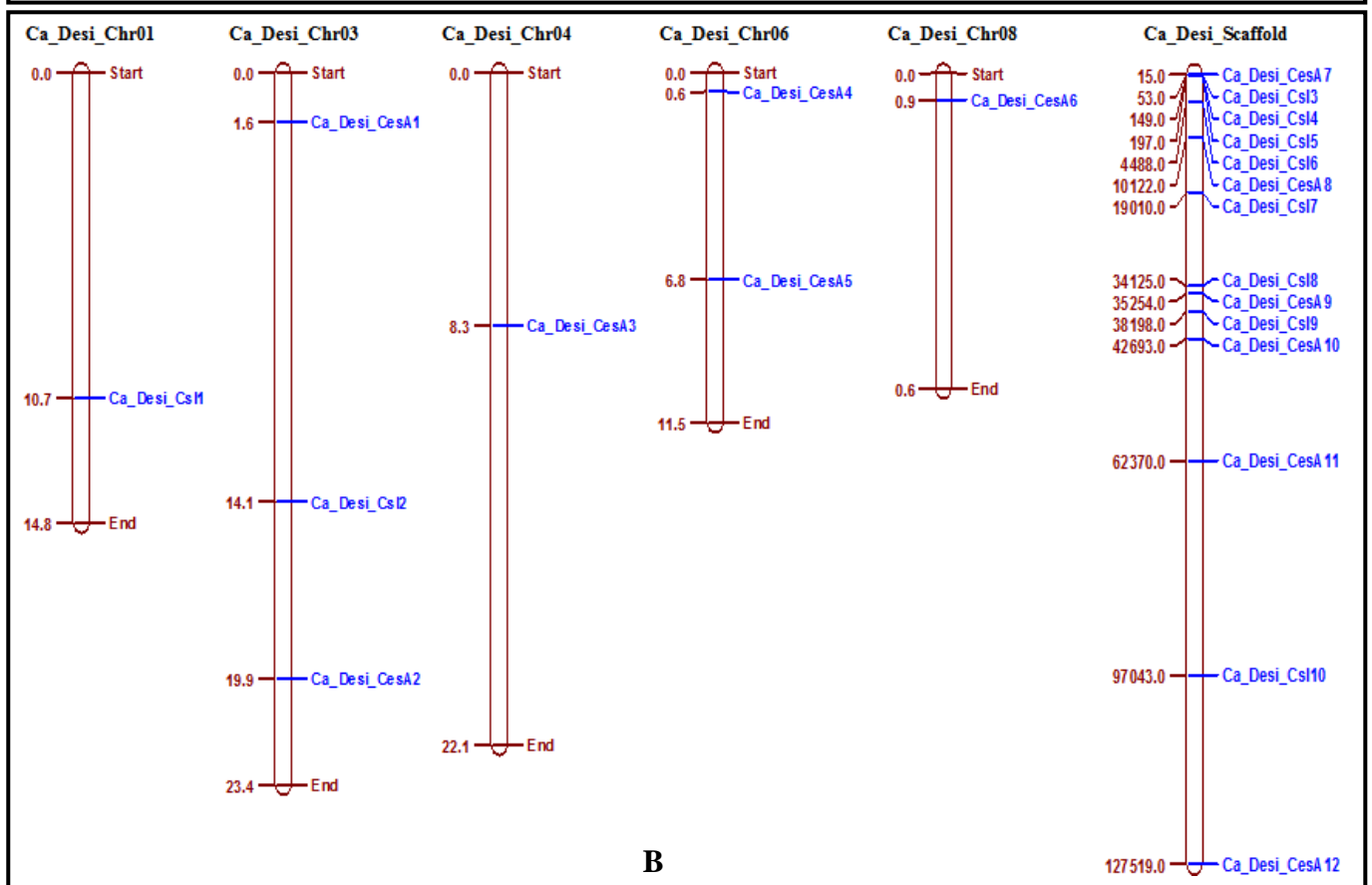
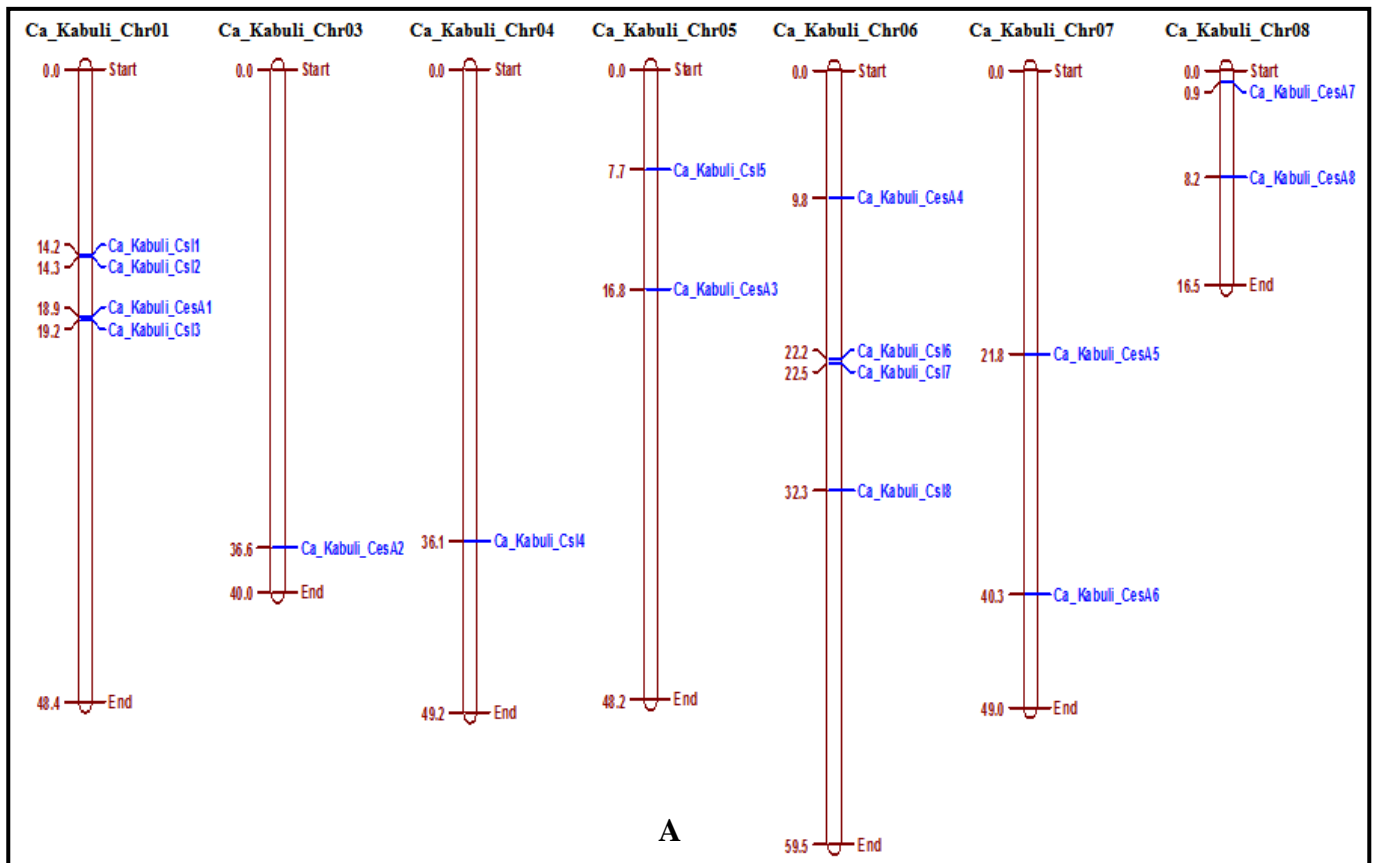


Fig. S7: A physical map depicting the genomic distribution of 38 non-redundant cellulose synthase protein-encoding genes on chromosomes/scaffolds of *kabuli* (**A**) and *desi* (**B**) genomes. The physical distance (Mb) and identities of the genes integrated on the chromosomes/scaffolds are indicated on the left and right side of the chromosomes, respectively. The size of the chromosomes (Mb) are based on the draft genome sequences of *kabuli* (Varshney et al., 2013) and *desi* (Jain et al., 2013). Details regarding identities of two classes of cellulose synthase genes annotated from *desi* and *kabuli* genomes are mentioned in the Table S6. (**C**) Broad classification of 38 chickpea genes belonging to cellulose synthase superfamily into two groups based on diverse domain organization of representative cellulose synthase-encoding proteins from each of the cellulose synthase A (*CesA*) and cellulose synthase-like (*Csl*) family.

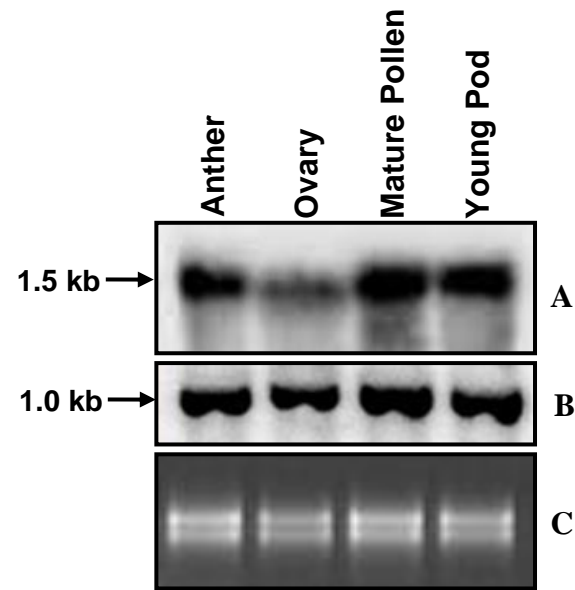


Fig. S8: Autoradiogram showing northern hybridisation pattern of a high pod number-regulating superior cellulose synthase gene-based haplotype (**A**) in the anther, ovary, mature pollen and young pod of a high pod number-containing chickpea accession (ICC 6013). The transcripts sizes (in kb) hybridising with the probes (**A**: cellulose synthase gene-specific haplotype and **B**: elongation factor 1-alpha as the internal control) are indicated by arrows. **C**: Normalised RNA isolated from the anther, ovary and mature pollen and young pod tissues of ICC 6013.

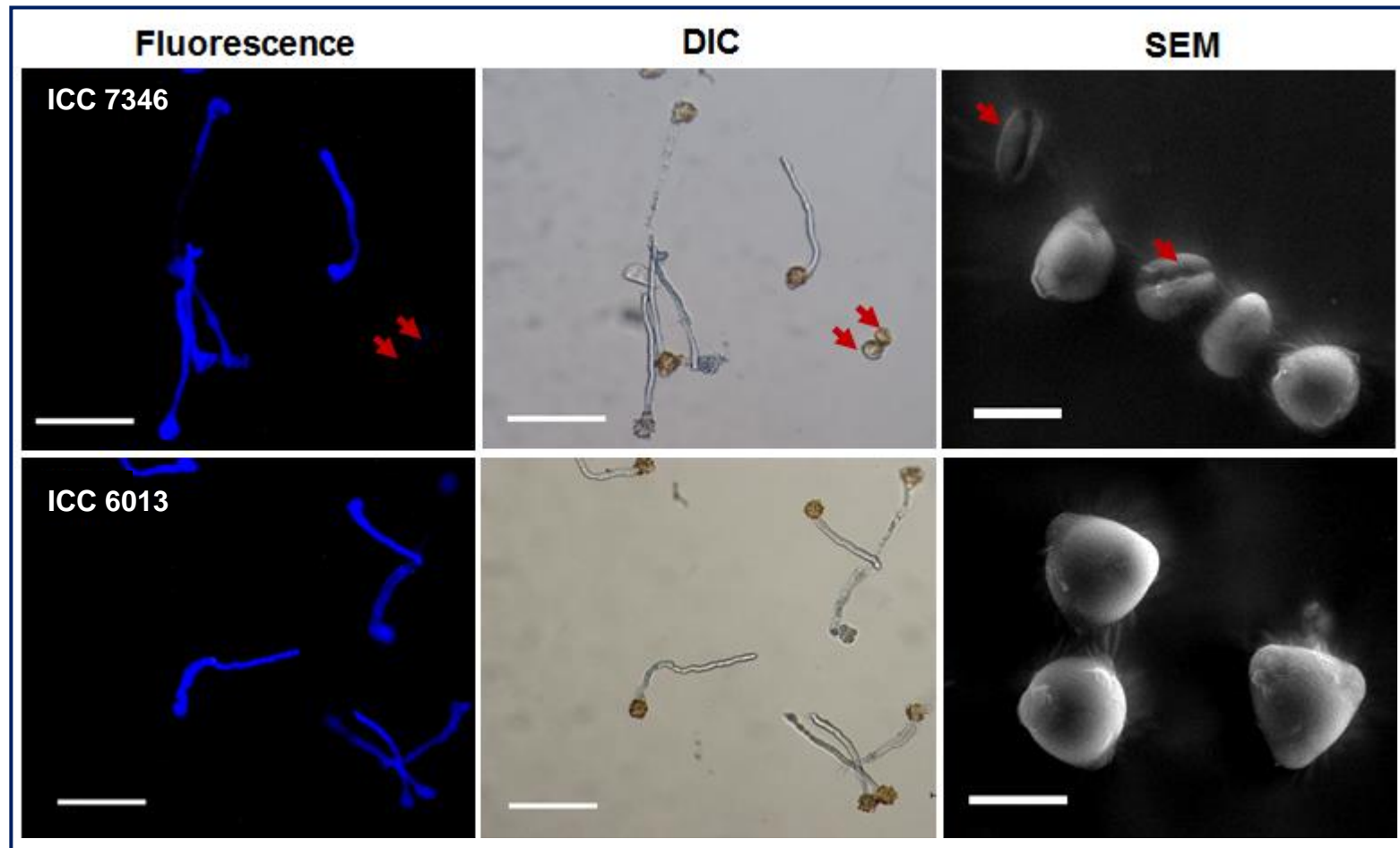


Fig. S9: Observation of pollen and pollen tube growth. Pollens of high (ICC 6013) and low (ICC 7346) pod number-containing accessions were used for *in vitro* germination and observed under differential interference contrast (DIC) and fluorescence channel microscopy after staining with calcofluor white fluorescent dye. Red arrows in the fluorescence and DIC panels indicate the pollen of the Phule G0515 accession that failed to germinate and that did not show fluorescent blue signals possibly due to its low cellulose content. Scanning electron microscope (SEM) images depict the presence of some irregular shaped pollen specifically in the ICC 7346 accession. (Scale bars: fluorescence and DIC, 100 μ m, and SEM, 20 μ m).

Table S1: Chickpea accessions belonging to a seed and pod trait-specific association panel) selected for GWAS

Sl. No.	Accession Numbers	Cultivar types	Geographical origin	Biological status
1	ICC5590	<i>Desi</i>	India	Breeding/Research material
2	ICC6013	<i>Desi</i>	India	Breeding/Research material
3	ICC5002	<i>Desi</i>	India	Breeding/Research material
4	ICC7184	<i>Desi</i>	Turkey	Traditional cultivar/Landraces
5	ICC4926	<i>Desi</i>	India	Breeding/Research material
6	ICC4657	<i>Desi</i>	India	Traditional cultivar/Landraces
7	ICC12299	<i>Desi</i>	Nepal	Traditional cultivar/Landraces
8	ICC456	<i>Desi</i>	India	Traditional cultivar/Landraces
9	ICC12726	<i>Desi</i>	Ethiopia	Traditional cultivar/Landraces
10	ICC11944	<i>Desi</i>	Nepal	Traditional cultivar/Landraces
11	ICC11498	<i>Desi</i>	India	Traditional cultivar/Landraces
12	ICC9942	<i>Desi</i>	India	Traditional cultivar/Landraces
13	ICC2072	<i>Desi</i>	India	Traditional cultivar/Landraces
14	ICC9737	<i>Desi</i>	Afghanistan	Traditional cultivar/Landraces
15	ICC9002	<i>Desi</i>	Iran	Traditional cultivar/Landraces
16	ICC16374	<i>Desi</i>	Malawi	Breeding material
17	ICC12028	<i>Desi</i>	Mexico	Traditional cultivar/Landraces
18	ICC8318	<i>Desi</i>	India	Traditional cultivar/Landraces
19	ICC15610	<i>Desi</i>	India	Traditional cultivar/Landraces
20	ICC4918	<i>Desi</i>	India	Advanced cultivar
21	ICC1836	<i>Desi</i>	India	Traditional cultivar/Landraces
22	ICC15061	<i>Desi</i>	India	Traditional cultivar/Landraces
23	ICC4958	<i>Desi</i>	Central India	Traditional cultivar/Landraces/genetic stock
24	ICCV10	<i>Desi</i>	India	Released Cultivar
25	ICCX-810800	<i>Desi</i>	Northern India	Variety
26	IC296132	<i>Desi</i>	Northern India	Variety
27	IC296131	<i>Desi</i>	Northern India	Variety
28	BGD112	<i>Desi</i>	Northern India	Genetic stock
29	ICC4951	<i>Desi</i>	Central India	Landraces
30	ICC8933	<i>Desi</i>	Northern India	Genetic stock
31	ICCV93954	<i>Desi</i>	Southern India	Variety
32	BGD72	<i>Desi</i>	Northern India	Genetic stock
33	IC296133	<i>Desi</i>	Northern India	Variety
34	ICCV92944	<i>Desi</i>	Central India	Variety
35	ICCC37	<i>Desi</i>	Southern India	Variety
36	ICCX-820065	<i>Desi</i>	Western India	Variety
37	Pusa5028	<i>Desi</i>	Northern India	Variety
38	Pusa547	<i>Desi</i>	Northern India	Variety
39	G130	<i>Desi</i>	India	Released Cultivar
40	ICC13523	<i>Kabuli</i>	Iran	Traditional cultivar/Landraces
41	ICC15802	<i>Kabuli</i>	Syria	Traditional cultivar/Landraces
42	ICC13077	<i>Kabuli</i>	India	Traditional cultivar/Landraces
43	ICC15264	<i>Kabuli</i>	Iran	Traditional cultivar/Landraces
44	ICC7308	<i>Kabuli</i>	Peru	Traditional cultivar/Landraces
45	ICC15435	<i>Kabuli</i>	Morocco	Traditional cultivar/Landraces
46	ICC7295	<i>Kabuli</i>	Tunisia	Traditional cultivar/Landraces
47	ICC12328	<i>Kabuli</i>	Cyprus	Traditional cultivar/Landraces
48	ICC14446	<i>Kabuli</i>	Italy	Traditional cultivar/Landraces
49	ICC10755	<i>Kabuli</i>	Turkey	Traditional cultivar/Landraces
50	ICC14190	<i>Kabuli</i>	India	Traditional cultivar/Landraces
51	ICC8042	<i>Kabuli</i>	Iran	Traditional cultivar/Landraces

Sl. No.	Accession Numbers	Cultivar types	Geographical origin	Biological status
52	ICC8261	<i>Kabuli</i>	Turkey	Traditional cultivar/Landrace
53	ICC15333	<i>Kabuli</i>	Iran	Traditional cultivar/Landrace
54	ICC15512	<i>Kabuli</i>	Morocco	Traditional cultivar/Landrace
55	ICC10884	<i>Kabuli</i>	Ethiopia	Traditional cultivar/Landrace
56	ICC15551	<i>Kabuli</i>	Australia	Traditional cultivar/Landrace
57	ICC15725	<i>Kabuli</i>	Syrian Arab Republic	Traditional cultivar/Landrace
58	ICC6204	<i>Kabuli</i>	Spain	Traditional cultivar/Landrace
59	ICC6210	<i>Kabuli</i>	Spain	Traditional cultivar/Landrace
60	ICC7654	<i>Kabuli</i>	Turkey	Traditional cultivar/Landrace
61	ICC11847	<i>Kabuli</i>	Chile	Traditional cultivar/Landrace
62	ICC11749	<i>Kabuli</i>	Chile	Traditional cultivar/Landrace
63	ICC14199	<i>Kabuli</i>	Mexico	Breeding material
64	ICC15518	<i>Kabuli</i>	Morocco	Traditional cultivar/Landrace
65	ICC16814	<i>Kabuli</i>	Portugal	Traditional cultivar/Landrace
66	ICC16811	<i>Kabuli</i>	Portugal	Traditional cultivar/Landrace
67	ICC6253	<i>Kabuli</i>	Morocco	Traditional cultivar/Landrace
68	ICC11301	<i>Kabuli</i>	United States of America	Traditional cultivar/Landrace
69	ICC10749	<i>Kabuli</i>	Turkey	Traditional cultivar/Landrace
70	ICC14216	<i>Kabuli</i>	Mexico	Breeding/Research material
71	ICC14203	<i>Kabuli</i>	Mexico	Traditional cultivar/Landrace
72	ICC11742	<i>Kabuli</i>	Chile	Traditional cultivar/Landrace
73	ICC13821	<i>Kabuli</i>	Ethiopia	Traditional cultivar/Landrace
74	ICC14462	<i>Kabuli</i>	India	Traditional cultivar/Landrace
75	ICC14220	<i>Kabuli</i>	Kenya	Traditional cultivar/Landrace
76	ICC15944	<i>Kabuli</i>	United States of America	Advanced/Improved cultivar
77	ICC11303	<i>Kabuli</i>	Chile	Traditional cultivar/Landrace
78	ICC12034	<i>Kabuli</i>	Mexico	Advanced/Improved cultivar
79	ICC7346	<i>Kabuli</i>	Mexico	Breeding/Research material
80	ICC15994	<i>Kabuli</i>	Spain	Traditional cultivar/Landrace
81	ICC18591	<i>Kabuli</i>	Mexico	Traditional cultivar/Landrace
82	ICC8155	<i>Kabuli</i>	United States of America	Traditional cultivar/Landrace
83	ICCV92311	<i>Kabuli</i>	India	Released Cultivar/Variety
84	ICCV95334	<i>Kabuli</i>	Central India	Variety
85	PhuleG0515	<i>Kabuli</i>	Central India	Variety
86	ICCV96329	<i>Kabuli</i>	Southern India	Variety
87	IC296376	<i>Kabuli</i>	Northern India	Variety
88	ICC12968	<i>Kabuli</i>	Southern India	Variety
89	IC449069	<i>Kabuli</i>	Northern India	Variety
90	BGD1105	<i>Kabuli</i>	Northern India	Genetic stock
91	Annigeri	<i>Kabuli</i>	India	Released Cultivar
92	L550	<i>Kabuli</i>	India	Released Cultivar
93	ICC17160	<i>C. reticulatum</i>	Turkey	Wild
94	ILWC21	<i>C. reticulatum</i>	Turkey	Wild
95	ICC17159	<i>C. echinospermum</i>	Turkey	Wild
96	IG135418	<i>C. echinospermum</i>	Syrian Arab Republic	Wild
97	ICC17150	<i>C. judaicum</i>	Lebanon	Wild
98	ILWC50	<i>C. judaicum</i>	Syrian Arab Republic	Wild
99	IG136792	<i>C. bijugum</i>	Syrian Arab Republic	Syrian Arab Republic
100	ILWC240	<i>C. bijugum</i>	Turkey	Wild
101	ILWC22	<i>C. pinnatifidum</i>	Turkey	Wild
102	ILWC261	<i>C. pinnatifidum</i>	Syrian Arab Republic	Wild

Table S2: 44844 genome-wide high-quality SNPs identified using reference genome (*desi* and *kabuli*)- and *de novo*-based GBS assay in chickpea

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1	CakSNP1	<i>Kabuli</i>	Ca_Kabuli_Chr01	523	(G/C)
2	CakSNP2	<i>Kabuli</i>	Ca_Kabuli_Chr01	462	(G/C)
3	CakSNP3	<i>Kabuli</i>	Ca_Kabuli_Chr01	548	(G/C)
4	CakSNP4	<i>Kabuli</i>	Ca_Kabuli_Chr01	578	(G/A)
5	CakSNP5	<i>Kabuli</i>	Ca_Kabuli_Chr01	579	(T/C)
6	CakSNP6	<i>Kabuli</i>	Ca_Kabuli_Chr01	589	(A/C)
7	CakSNP7	<i>Kabuli</i>	Ca_Kabuli_Chr01	627	(C/A)
8	CakSNP8	<i>Kabuli</i>	Ca_Kabuli_Chr01	839	(A/T)
9	CakSNP9	<i>Kabuli</i>	Ca_Kabuli_Chr01	903	(G/T)
10	CakSNP10	<i>Kabuli</i>	Ca_Kabuli_Chr01	927	(C/A)
11	CakSNP11	<i>Kabuli</i>	Ca_Kabuli_Chr01	98930	(T/C)
12	CakSNP12	<i>Kabuli</i>	Ca_Kabuli_Chr01	98992	(G/T)
13	CakSNP13	<i>Kabuli</i>	Ca_Kabuli_Chr01	99242	(G/A)
14	CakSNP14	<i>Kabuli</i>	Ca_Kabuli_Chr01	108882	(C/A)
15	CakSNP15	<i>Kabuli</i>	Ca_Kabuli_Chr01	108984	(G/A)
16	CakSNP16	<i>Kabuli</i>	Ca_Kabuli_Chr01	108979	(T/G)
17	CakSNP17	<i>Kabuli</i>	Ca_Kabuli_Chr01	129394	(A/G)
18	CakSNP18	<i>Kabuli</i>	Ca_Kabuli_Chr01	129401	(A/G)
19	CakSNP19	<i>Kabuli</i>	Ca_Kabuli_Chr01	173669	(C/T)
20	CakSNP20	<i>Kabuli</i>	Ca_Kabuli_Chr01	202954	(G/T)
21	CakSNP21	<i>Kabuli</i>	Ca_Kabuli_Chr01	208244	(G/A)
22	CakSNP22	<i>Kabuli</i>	Ca_Kabuli_Chr01	214979	(T/A)
23	CakSNP23	<i>Kabuli</i>	Ca_Kabuli_Chr01	215066	(G/T)
24	CakSNP24	<i>Kabuli</i>	Ca_Kabuli_Chr01	215058	(T/C)
25	CakSNP25	<i>Kabuli</i>	Ca_Kabuli_Chr01	215053	(G/T)
26	CakSNP26	<i>Kabuli</i>	Ca_Kabuli_Chr01	215048	(C/T)
27	CakSNP27	<i>Kabuli</i>	Ca_Kabuli_Chr01	215029	(C/A)
28	CakSNP28	<i>Kabuli</i>	Ca_Kabuli_Chr01	215027	(T/C)
29	CakSNP29	<i>Kabuli</i>	Ca_Kabuli_Chr01	215006	(C/T)
30	CakSNP30	<i>Kabuli</i>	Ca_Kabuli_Chr01	215239	(C/G)
31	CakSNP31	<i>Kabuli</i>	Ca_Kabuli_Chr01	292962	(T/C)
32	CakSNP32	<i>Kabuli</i>	Ca_Kabuli_Chr01	292972	(G/A)
33	CakSNP33	<i>Kabuli</i>	Ca_Kabuli_Chr01	292998	(T/C)
34	CakSNP34	<i>Kabuli</i>	Ca_Kabuli_Chr01	347620	(A/C)
35	CakSNP35	<i>Kabuli</i>	Ca_Kabuli_Chr01	372530	(A/G)
36	CakSNP36	<i>Kabuli</i>	Ca_Kabuli_Chr01	406570	(A/G)
37	CakSNP37	<i>Kabuli</i>	Ca_Kabuli_Chr01	425149	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38	CakSNP38	<i>Kabuli</i>	Ca_Kabuli_Chr01	425076	(A/G)
39	CakSNP39	<i>Kabuli</i>	Ca_Kabuli_Chr01	435259	(A/G)
40	CakSNP40	<i>Kabuli</i>	Ca_Kabuli_Chr01	435274	(G/T)
41	CakSNP41	<i>Kabuli</i>	Ca_Kabuli_Chr01	435280	(T/C)
42	CakSNP42	<i>Kabuli</i>	Ca_Kabuli_Chr01	435297	(G/A)
43	CakSNP43	<i>Kabuli</i>	Ca_Kabuli_Chr01	435304	(G/T)
44	CakSNP44	<i>Kabuli</i>	Ca_Kabuli_Chr01	435343	(C/A)
45	CakSNP45	<i>Kabuli</i>	Ca_Kabuli_Chr01	435338	(T/C)
46	CakSNP46	<i>Kabuli</i>	Ca_Kabuli_Chr01	435264	(G/T)
47	CakSNP47	<i>Kabuli</i>	Ca_Kabuli_Chr01	441283	(G/A)
48	CakSNP48	<i>Kabuli</i>	Ca_Kabuli_Chr01	441286	(C/T)
49	CakSNP49	<i>Kabuli</i>	Ca_Kabuli_Chr01	441288	(T/A)
50	CakSNP50	<i>Kabuli</i>	Ca_Kabuli_Chr01	441343	(T/A)
51	CakSNP51	<i>Kabuli</i>	Ca_Kabuli_Chr01	446409	(T/C)
52	CakSNP52	<i>Kabuli</i>	Ca_Kabuli_Chr01	446443	(A/G)
53	CakSNP53	<i>Kabuli</i>	Ca_Kabuli_Chr01	446484	(C/T)
54	CakSNP54	<i>Kabuli</i>	Ca_Kabuli_Chr01	446558	(G/T)
55	CakSNP55	<i>Kabuli</i>	Ca_Kabuli_Chr01	459968	(T/G)
56	CakSNP56	<i>Kabuli</i>	Ca_Kabuli_Chr01	464039	(A/C)
57	CakSNP57	<i>Kabuli</i>	Ca_Kabuli_Chr01	464040	(G/C)
58	CakSNP58	<i>Kabuli</i>	Ca_Kabuli_Chr01	464043	(C/G)
59	CakSNP59	<i>Kabuli</i>	Ca_Kabuli_Chr01	471007	(C/T)
60	CakSNP60	<i>Kabuli</i>	Ca_Kabuli_Chr01	471037	(C/T)
61	CakSNP61	<i>Kabuli</i>	Ca_Kabuli_Chr01	527271	(T/G)
62	CakSNP62	<i>Kabuli</i>	Ca_Kabuli_Chr01	527321	(C/T)
63	CakSNP63	<i>Kabuli</i>	Ca_Kabuli_Chr01	554581	(G/T)
64	CakSNP64	<i>Kabuli</i>	Ca_Kabuli_Chr01	554677	(G/A)
65	CakSNP65	<i>Kabuli</i>	Ca_Kabuli_Chr01	571020	(T/G)
66	CakSNP66	<i>Kabuli</i>	Ca_Kabuli_Chr01	591609	(T/C)
67	CakSNP67	<i>Kabuli</i>	Ca_Kabuli_Chr01	609709	(A/G)
68	CakSNP68	<i>Kabuli</i>	Ca_Kabuli_Chr01	609671	(C/T)
69	CakSNP69	<i>Kabuli</i>	Ca_Kabuli_Chr01	609669	(C/G)
70	CakSNP70	<i>Kabuli</i>	Ca_Kabuli_Chr01	644318	(C/T)
71	CakSNP71	<i>Kabuli</i>	Ca_Kabuli_Chr01	644353	(G/A)
72	CakSNP72	<i>Kabuli</i>	Ca_Kabuli_Chr01	644359	(T/A)
73	CakSNP73	<i>Kabuli</i>	Ca_Kabuli_Chr01	644440	(T/C)
74	CakSNP74	<i>Kabuli</i>	Ca_Kabuli_Chr01	644425	(G/A)
75	CakSNP75	<i>Kabuli</i>	Ca_Kabuli_Chr01	661882	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
76	CakSNP76	<i>Kabuli</i>	Ca_Kabuli_Chr01	662341	(A/C)
77	CakSNP77	<i>Kabuli</i>	Ca_Kabuli_Chr01	662489	(T/A)
78	CakSNP78	<i>Kabuli</i>	Ca_Kabuli_Chr01	671420	(C/A)
79	CakSNP79	<i>Kabuli</i>	Ca_Kabuli_Chr01	671410	(T/C)
80	CakSNP80	<i>Kabuli</i>	Ca_Kabuli_Chr01	671391	(T/C)
81	CakSNP81	<i>Kabuli</i>	Ca_Kabuli_Chr01	671389	(A/G)
82	CakSNP82	<i>Kabuli</i>	Ca_Kabuli_Chr01	671388	(A/T)
83	CakSNP83	<i>Kabuli</i>	Ca_Kabuli_Chr01	690156	(C/A)
84	CakSNP84	<i>Kabuli</i>	Ca_Kabuli_Chr01	690431	(G/A)
85	CakSNP85	<i>Kabuli</i>	Ca_Kabuli_Chr01	691102	(A/T)
86	CakSNP86	<i>Kabuli</i>	Ca_Kabuli_Chr01	695962	(A/C)
87	CakSNP87	<i>Kabuli</i>	Ca_Kabuli_Chr01	712110	(T/C)
88	CakSNP88	<i>Kabuli</i>	Ca_Kabuli_Chr01	712073	(C/T)
89	CakSNP89	<i>Kabuli</i>	Ca_Kabuli_Chr01	741514	(G/T)
90	CakSNP90	<i>Kabuli</i>	Ca_Kabuli_Chr01	741535	(C/T)
91	CakSNP91	<i>Kabuli</i>	Ca_Kabuli_Chr01	741565	(T/C)
92	CakSNP92	<i>Kabuli</i>	Ca_Kabuli_Chr01	741549	(C/T)
93	CakSNP93	<i>Kabuli</i>	Ca_Kabuli_Chr01	741980	(C/G)
94	CakSNP94	<i>Kabuli</i>	Ca_Kabuli_Chr01	742043	(G/A)
95	CakSNP95	<i>Kabuli</i>	Ca_Kabuli_Chr01	742026	(T/G)
96	CakSNP96	<i>Kabuli</i>	Ca_Kabuli_Chr01	750693	(C/T)
97	CakSNP97	<i>Kabuli</i>	Ca_Kabuli_Chr01	777273	(C/T)
98	CakSNP98	<i>Kabuli</i>	Ca_Kabuli_Chr01	777240	(G/A)
99	CakSNP99	<i>Kabuli</i>	Ca_Kabuli_Chr01	790004	(A/C)
100	CakSNP100	<i>Kabuli</i>	Ca_Kabuli_Chr01	790000	(C/T)
101	CakSNP101	<i>Kabuli</i>	Ca_Kabuli_Chr01	790102	(G/T)
102	CakSNP102	<i>Kabuli</i>	Ca_Kabuli_Chr01	864205	(T/C)
103	CakSNP103	<i>Kabuli</i>	Ca_Kabuli_Chr01	864382	(T/C)
104	CakSNP104	<i>Kabuli</i>	Ca_Kabuli_Chr01	864381	(G/A)
105	CakSNP105	<i>Kabuli</i>	Ca_Kabuli_Chr01	864351	(T/C)
106	CakSNP106	<i>Kabuli</i>	Ca_Kabuli_Chr01	866872	(T/C)
107	CakSNP107	<i>Kabuli</i>	Ca_Kabuli_Chr01	872443	(G/T)
108	CakSNP108	<i>Kabuli</i>	Ca_Kabuli_Chr01	872452	(C/T)
109	CakSNP109	<i>Kabuli</i>	Ca_Kabuli_Chr01	876616	(T/C)
110	CakSNP110	<i>Kabuli</i>	Ca_Kabuli_Chr01	876633	(T/A)
111	CakSNP111	<i>Kabuli</i>	Ca_Kabuli_Chr01	881543	(C/A)
112	CakSNP112	<i>Kabuli</i>	Ca_Kabuli_Chr01	881673	(G/A)
113	CakSNP113	<i>Kabuli</i>	Ca_Kabuli_Chr01	881703	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
114	CakSNP114	<i>Kabuli</i>	Ca_Kabuli_Chr01	890949	(G/A)
115	CakSNP115	<i>Kabuli</i>	Ca_Kabuli_Chr01	890948	(C/T)
116	CakSNP116	<i>Kabuli</i>	Ca_Kabuli_Chr01	910486	(T/A)
117	CakSNP117	<i>Kabuli</i>	Ca_Kabuli_Chr01	970315	(A/T)
118	CakSNP118	<i>Kabuli</i>	Ca_Kabuli_Chr01	996439	(T/C)
119	CakSNP119	<i>Kabuli</i>	Ca_Kabuli_Chr01	1007698	(A/G)
120	CakSNP120	<i>Kabuli</i>	Ca_Kabuli_Chr01	1008895	(A/G)
121	CakSNP121	<i>Kabuli</i>	Ca_Kabuli_Chr01	1008971	(C/G)
122	CakSNP122	<i>Kabuli</i>	Ca_Kabuli_Chr01	1009058	(A/C)
123	CakSNP123	<i>Kabuli</i>	Ca_Kabuli_Chr01	1018966	(C/G)
124	CakSNP124	<i>Kabuli</i>	Ca_Kabuli_Chr01	1020800	(A/G)
125	CakSNP125	<i>Kabuli</i>	Ca_Kabuli_Chr01	1023550	(C/T)
126	CakSNP126	<i>Kabuli</i>	Ca_Kabuli_Chr01	1023538	(T/C)
127	CakSNP127	<i>Kabuli</i>	Ca_Kabuli_Chr01	1032734	(A/T)
128	CakSNP128	<i>Kabuli</i>	Ca_Kabuli_Chr01	1059209	(A/G)
129	CakSNP129	<i>Kabuli</i>	Ca_Kabuli_Chr01	1059311	(A/G)
130	CakSNP130	<i>Kabuli</i>	Ca_Kabuli_Chr01	1083274	(T/C)
131	CakSNP131	<i>Kabuli</i>	Ca_Kabuli_Chr01	1083388	(G/A)
132	CakSNP132	<i>Kabuli</i>	Ca_Kabuli_Chr01	1083403	(C/T)
133	CakSNP133	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085228	(A/C)
134	CakSNP134	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085230	(T/G)
135	CakSNP135	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085238	(A/G)
136	CakSNP136	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085254	(A/C)
137	CakSNP137	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085263	(A/C)
138	CakSNP138	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085293	(G/A)
139	CakSNP139	<i>Kabuli</i>	Ca_Kabuli_Chr01	1085348	(G/A)
140	CakSNP140	<i>Kabuli</i>	Ca_Kabuli_Chr01	1091548	(T/A)
141	CakSNP141	<i>Kabuli</i>	Ca_Kabuli_Chr01	1091534	(A/C)
142	CakSNP142	<i>Kabuli</i>	Ca_Kabuli_Chr01	1091504	(C/T)
143	CakSNP143	<i>Kabuli</i>	Ca_Kabuli_Chr01	1098703	(C/G)
144	CakSNP144	<i>Kabuli</i>	Ca_Kabuli_Chr01	1098789	(A/G)
145	CakSNP145	<i>Kabuli</i>	Ca_Kabuli_Chr01	1115668	(C/T)
146	CakSNP146	<i>Kabuli</i>	Ca_Kabuli_Chr01	1115809	(A/G)
147	CakSNP147	<i>Kabuli</i>	Ca_Kabuli_Chr01	1116043	(C/T)
148	CakSNP148	<i>Kabuli</i>	Ca_Kabuli_Chr01	1140313	(A/C)
149	CakSNP149	<i>Kabuli</i>	Ca_Kabuli_Chr01	1140405	(A/T)
150	CakSNP150	<i>Kabuli</i>	Ca_Kabuli_Chr01	1150973	(C/T)
151	CakSNP151	<i>Kabuli</i>	Ca_Kabuli_Chr01	1159383	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
152	CakSNP152	<i>Kabuli</i>	Ca_Kabuli_Chr01	1159411	(T/G)
153	CakSNP153	<i>Kabuli</i>	Ca_Kabuli_Chr01	1215024	(T/C)
154	CakSNP154	<i>Kabuli</i>	Ca_Kabuli_Chr01	1269212	(C/G)
155	CakSNP155	<i>Kabuli</i>	Ca_Kabuli_Chr01	1269180	(C/A)
156	CakSNP156	<i>Kabuli</i>	Ca_Kabuli_Chr01	1278884	(G/T)
157	CakSNP157	<i>Kabuli</i>	Ca_Kabuli_Chr01	1278997	(T/A)
158	CakSNP158	<i>Kabuli</i>	Ca_Kabuli_Chr01	1295527	(T/G)
159	CakSNP159	<i>Kabuli</i>	Ca_Kabuli_Chr01	1335518	(A/C)
160	CakSNP160	<i>Kabuli</i>	Ca_Kabuli_Chr01	1385553	(C/A)
161	CakSNP161	<i>Kabuli</i>	Ca_Kabuli_Chr01	1385554	(G/T)
162	CakSNP162	<i>Kabuli</i>	Ca_Kabuli_Chr01	1390073	(A/G)
163	CakSNP163	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411348	(C/T)
164	CakSNP164	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411351	(A/C)
165	CakSNP165	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411501	(C/T)
166	CakSNP166	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411498	(T/A)
167	CakSNP167	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411495	(A/G)
168	CakSNP168	<i>Kabuli</i>	Ca_Kabuli_Chr01	1411490	(T/C)
169	CakSNP169	<i>Kabuli</i>	Ca_Kabuli_Chr01	1428222	(C/G)
170	CakSNP170	<i>Kabuli</i>	Ca_Kabuli_Chr01	1428251	(T/G)
171	CakSNP171	<i>Kabuli</i>	Ca_Kabuli_Chr01	1428264	(T/G)
172	CakSNP172	<i>Kabuli</i>	Ca_Kabuli_Chr01	1434121	(A/G)
173	CakSNP173	<i>Kabuli</i>	Ca_Kabuli_Chr01	1434883	(A/G)
174	CakSNP174	<i>Kabuli</i>	Ca_Kabuli_Chr01	1434875	(A/G)
175	CakSNP175	<i>Kabuli</i>	Ca_Kabuli_Chr01	1449848	(G/A)
176	CakSNP176	<i>Kabuli</i>	Ca_Kabuli_Chr01	1449913	(T/G)
177	CakSNP177	<i>Kabuli</i>	Ca_Kabuli_Chr01	1449949	(G/A)
178	CakSNP178	<i>Kabuli</i>	Ca_Kabuli_Chr01	1449980	(A/G)
179	CakSNP179	<i>Kabuli</i>	Ca_Kabuli_Chr01	1461574	(T/A)
180	CakSNP180	<i>Kabuli</i>	Ca_Kabuli_Chr01	1461600	(T/C)
181	CakSNP181	<i>Kabuli</i>	Ca_Kabuli_Chr01	1467056	(A/G)
182	CakSNP182	<i>Kabuli</i>	Ca_Kabuli_Chr01	1527513	(A/G)
183	CakSNP183	<i>Kabuli</i>	Ca_Kabuli_Chr01	1528325	(G/A)
184	CakSNP184	<i>Kabuli</i>	Ca_Kabuli_Chr01	1533723	(G/A)
185	CakSNP185	<i>Kabuli</i>	Ca_Kabuli_Chr01	1546679	(G/C)
186	CakSNP186	<i>Kabuli</i>	Ca_Kabuli_Chr01	1599821	(A/G)
187	CakSNP187	<i>Kabuli</i>	Ca_Kabuli_Chr01	1654823	(C/T)
188	CakSNP188	<i>Kabuli</i>	Ca_Kabuli_Chr01	1654855	(A/C)
189	CakSNP189	<i>Kabuli</i>	Ca_Kabuli_Chr01	1655018	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
190	CakSNP190	<i>Kabuli</i>	Ca_Kabuli_Chr01	1655012	(G/T)
191	CakSNP191	<i>Kabuli</i>	Ca_Kabuli_Chr01	1693010	(T/A)
192	CakSNP192	<i>Kabuli</i>	Ca_Kabuli_Chr01	1693013	(C/T)
193	CakSNP193	<i>Kabuli</i>	Ca_Kabuli_Chr01	1693022	(T/C)
194	CakSNP194	<i>Kabuli</i>	Ca_Kabuli_Chr01	1693023	(T/C)
195	CakSNP195	<i>Kabuli</i>	Ca_Kabuli_Chr01	1693031	(C/A)
196	CakSNP196	<i>Kabuli</i>	Ca_Kabuli_Chr01	1738179	(G/C)
197	CakSNP197	<i>Kabuli</i>	Ca_Kabuli_Chr01	1772813	(T/C)
198	CakSNP198	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782760	(G/A)
199	CakSNP199	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782793	(G/T)
200	CakSNP200	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782808	(G/C)
201	CakSNP201	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782953	(G/A)
202	CakSNP202	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782948	(T/C)
203	CakSNP203	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782930	(G/A)
204	CakSNP204	<i>Kabuli</i>	Ca_Kabuli_Chr01	1782929	(C/T)
205	CakSNP205	<i>Kabuli</i>	Ca_Kabuli_Chr01	1783207	(G/A)
206	CakSNP206	<i>Kabuli</i>	Ca_Kabuli_Chr01	1783277	(G/A)
207	CakSNP207	<i>Kabuli</i>	Ca_Kabuli_Chr01	1783280	(A/C)
208	CakSNP208	<i>Kabuli</i>	Ca_Kabuli_Chr01	1783342	(A/T)
209	CakSNP209	<i>Kabuli</i>	Ca_Kabuli_Chr01	1783923	(C/A)
210	CakSNP210	<i>Kabuli</i>	Ca_Kabuli_Chr01	1784006	(T/C)
211	CakSNP211	<i>Kabuli</i>	Ca_Kabuli_Chr01	1788958	(T/A)
212	CakSNP212	<i>Kabuli</i>	Ca_Kabuli_Chr01	1789087	(T/C)
213	CakSNP213	<i>Kabuli</i>	Ca_Kabuli_Chr01	1802992	(C/G)
214	CakSNP214	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858073	(C/T)
215	CakSNP215	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858078	(T/C)
216	CakSNP216	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858084	(C/T)
217	CakSNP217	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858132	(T/A)
218	CakSNP218	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858156	(C/T)
219	CakSNP219	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858177	(T/C)
220	CakSNP220	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858159	(A/G)
221	CakSNP221	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858509	(C/T)
222	CakSNP222	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858608	(T/A)
223	CakSNP223	<i>Kabuli</i>	Ca_Kabuli_Chr01	1858600	(G/A)
224	CakSNP224	<i>Kabuli</i>	Ca_Kabuli_Chr01	1859789	(C/T)
225	CakSNP225	<i>Kabuli</i>	Ca_Kabuli_Chr01	1859857	(A/G)
226	CakSNP226	<i>Kabuli</i>	Ca_Kabuli_Chr01	1859914	(G/A)
227	CakSNP227	<i>Kabuli</i>	Ca_Kabuli_Chr01	1859902	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
228	CakSNP228	<i>Kabuli</i>	Ca_Kabuli_Chr01	1861696	(C/T)
229	CakSNP229	<i>Kabuli</i>	Ca_Kabuli_Chr01	1861707	(T/G)
230	CakSNP230	<i>Kabuli</i>	Ca_Kabuli_Chr01	1861722	(T/A)
231	CakSNP231	<i>Kabuli</i>	Ca_Kabuli_Chr01	1861729	(T/C)
232	CakSNP232	<i>Kabuli</i>	Ca_Kabuli_Chr01	1861837	(T/G)
233	CakSNP233	<i>Kabuli</i>	Ca_Kabuli_Chr01	1904233	(T/C)
234	CakSNP234	<i>Kabuli</i>	Ca_Kabuli_Chr01	1904230	(G/T)
235	CakSNP235	<i>Kabuli</i>	Ca_Kabuli_Chr01	1904365	(G/A)
236	CakSNP236	<i>Kabuli</i>	Ca_Kabuli_Chr01	1904391	(A/G)
237	CakSNP237	<i>Kabuli</i>	Ca_Kabuli_Chr01	1935729	(A/G)
238	CakSNP238	<i>Kabuli</i>	Ca_Kabuli_Chr01	1962876	(A/G)
239	CakSNP239	<i>Kabuli</i>	Ca_Kabuli_Chr01	1968828	(G/A)
240	CakSNP240	<i>Kabuli</i>	Ca_Kabuli_Chr01	2002844	(G/A)
241	CakSNP241	<i>Kabuli</i>	Ca_Kabuli_Chr01	2002922	(G/T)
242	CakSNP242	<i>Kabuli</i>	Ca_Kabuli_Chr01	2040943	(C/T)
243	CakSNP243	<i>Kabuli</i>	Ca_Kabuli_Chr01	2040946	(G/T)
244	CakSNP244	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041027	(C/G)
245	CakSNP245	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041190	(A/C)
246	CakSNP246	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041180	(T/C)
247	CakSNP247	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041178	(A/C)
248	CakSNP248	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041174	(C/T)
249	CakSNP249	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041154	(G/C)
250	CakSNP250	<i>Kabuli</i>	Ca_Kabuli_Chr01	2041132	(C/T)
251	CakSNP251	<i>Kabuli</i>	Ca_Kabuli_Chr01	2042071	(C/G)
252	CakSNP252	<i>Kabuli</i>	Ca_Kabuli_Chr01	2042185	(T/C)
253	CakSNP253	<i>Kabuli</i>	Ca_Kabuli_Chr01	2042152	(G/C)
254	CakSNP254	<i>Kabuli</i>	Ca_Kabuli_Chr01	2042149	(G/T)
255	CakSNP255	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044338	(G/A)
256	CakSNP256	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044304	(A/C)
257	CakSNP257	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044289	(A/G)
258	CakSNP258	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044263	(A/C)
259	CakSNP259	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044359	(C/T)
260	CakSNP260	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044374	(C/G)
261	CakSNP261	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044380	(G/C)
262	CakSNP262	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044408	(A/C)
263	CakSNP263	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044414	(G/A)
264	CakSNP264	<i>Kabuli</i>	Ca_Kabuli_Chr01	2044474	(A/G)
265	CakSNP265	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050232	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
266	CakSNP266	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050187	(C/G)
267	CakSNP267	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050479	(A/C)
268	CakSNP268	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050469	(T/C)
269	CakSNP269	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050467	(A/C)
270	CakSNP270	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050465	(A/G)
271	CakSNP271	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050463	(C/T)
272	CakSNP272	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050443	(G/C)
273	CakSNP273	<i>Kabuli</i>	Ca_Kabuli_Chr01	2050421	(C/T)
274	CakSNP274	<i>Kabuli</i>	Ca_Kabuli_Chr01	2051360	(A/G)
275	CakSNP275	<i>Kabuli</i>	Ca_Kabuli_Chr01	2051375	(G/T)
276	CakSNP276	<i>Kabuli</i>	Ca_Kabuli_Chr01	2051379	(C/T)
277	CakSNP277	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053732	(C/T)
278	CakSNP278	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053744	(C/A)
279	CakSNP279	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053749	(T/A)
280	CakSNP280	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053756	(G/T)
281	CakSNP281	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053757	(C/T)
282	CakSNP282	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053758	(A/G)
283	CakSNP283	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053784	(C/A)
284	CakSNP284	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053788	(A/G)
285	CakSNP285	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053790	(G/A)
286	CakSNP286	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053808	(G/T)
287	CakSNP287	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053856	(T/G)
288	CakSNP288	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053843	(T/A)
289	CakSNP289	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053841	(C/A)
290	CakSNP290	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053840	(A/C)
291	CakSNP291	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053833	(T/G)
292	CakSNP292	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053830	(A/G)
293	CakSNP293	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053819	(C/A)
294	CakSNP294	<i>Kabuli</i>	Ca_Kabuli_Chr01	2053818	(G/C)
295	CakSNP295	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071456	(T/A)
296	CakSNP296	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071448	(A/T)
297	CakSNP297	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071424	(T/A)
298	CakSNP298	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071708	(C/G)
299	CakSNP299	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071703	(A/C)
300	CakSNP300	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071699	(T/C)
301	CakSNP301	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071693	(T/C)
302	CakSNP302	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071691	(A/C)
303	CakSNP303	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071689	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
304	CakSNP304	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071687	(C/T)
305	CakSNP305	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071667	(G/C)
306	CakSNP306	<i>Kabuli</i>	Ca_Kabuli_Chr01	2071645	(C/T)
307	CakSNP307	<i>Kabuli</i>	Ca_Kabuli_Chr01	2072613	(G/A)
308	CakSNP308	<i>Kabuli</i>	Ca_Kabuli_Chr01	2072627	(A/T)
309	CakSNP309	<i>Kabuli</i>	Ca_Kabuli_Chr01	2074998	(A/C)
310	CakSNP310	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075087	(A/T)
311	CakSNP311	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075057	(G/T)
312	CakSNP312	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075045	(C/A)
313	CakSNP313	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075044	(A/G)
314	CakSNP314	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075043	(C/A)
315	CakSNP315	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075015	(G/A)
316	CakSNP316	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075013	(A/G)
317	CakSNP317	<i>Kabuli</i>	Ca_Kabuli_Chr01	2075009	(C/A)
318	CakSNP318	<i>Kabuli</i>	Ca_Kabuli_Chr01	2082760	(C/G)
319	CakSNP319	<i>Kabuli</i>	Ca_Kabuli_Chr01	2082801	(G/A)
320	CakSNP320	<i>Kabuli</i>	Ca_Kabuli_Chr01	2083003	(G/C)
321	CakSNP321	<i>Kabuli</i>	Ca_Kabuli_Chr01	2083059	(A/T)
322	CakSNP322	<i>Kabuli</i>	Ca_Kabuli_Chr01	2126267	(G/A)
323	CakSNP323	<i>Kabuli</i>	Ca_Kabuli_Chr01	2148583	(T/G)
324	CakSNP324	<i>Kabuli</i>	Ca_Kabuli_Chr01	2170090	(G/C)
325	CakSNP325	<i>Kabuli</i>	Ca_Kabuli_Chr01	2170935	(A/C)
326	CakSNP326	<i>Kabuli</i>	Ca_Kabuli_Chr01	2172076	(T/C)
327	CakSNP327	<i>Kabuli</i>	Ca_Kabuli_Chr01	2172113	(G/A)
328	CakSNP328	<i>Kabuli</i>	Ca_Kabuli_Chr01	2172143	(T/G)
329	CakSNP329	<i>Kabuli</i>	Ca_Kabuli_Chr01	2172149	(G/A)
330	CakSNP330	<i>Kabuli</i>	Ca_Kabuli_Chr01	2183544	(A/G)
331	CakSNP331	<i>Kabuli</i>	Ca_Kabuli_Chr01	2188472	(T/C)
332	CakSNP332	<i>Kabuli</i>	Ca_Kabuli_Chr01	2232724	(A/G)
333	CakSNP333	<i>Kabuli</i>	Ca_Kabuli_Chr01	2232764	(C/T)
334	CakSNP334	<i>Kabuli</i>	Ca_Kabuli_Chr01	2232779	(A/G)
335	CakSNP335	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252270	(C/T)
336	CakSNP336	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252320	(G/T)
337	CakSNP337	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252328	(C/A)
338	CakSNP338	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252342	(C/T)
339	CakSNP339	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252343	(G/T)
340	CakSNP340	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252463	(T/C)
341	CakSNP341	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252401	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
342	CakSNP342	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252496	(C/A)
343	CakSNP343	<i>Kabuli</i>	Ca_Kabuli_Chr01	2252513	(C/T)
344	CakSNP344	<i>Kabuli</i>	Ca_Kabuli_Chr01	2269319	(T/G)
345	CakSNP345	<i>Kabuli</i>	Ca_Kabuli_Chr01	2269489	(A/C)
346	CakSNP346	<i>Kabuli</i>	Ca_Kabuli_Chr01	2277459	(G/A)
347	CakSNP347	<i>Kabuli</i>	Ca_Kabuli_Chr01	2285879	(G/A)
348	CakSNP348	<i>Kabuli</i>	Ca_Kabuli_Chr01	2287408	(A/T)
349	CakSNP349	<i>Kabuli</i>	Ca_Kabuli_Chr01	2287478	(A/T)
350	CakSNP350	<i>Kabuli</i>	Ca_Kabuli_Chr01	2366413	(T/C)
351	CakSNP351	<i>Kabuli</i>	Ca_Kabuli_Chr01	2366409	(T/A)
352	CakSNP352	<i>Kabuli</i>	Ca_Kabuli_Chr01	2373166	(A/G)
353	CakSNP353	<i>Kabuli</i>	Ca_Kabuli_Chr01	2373862	(G/A)
354	CakSNP354	<i>Kabuli</i>	Ca_Kabuli_Chr01	2373910	(C/T)
355	CakSNP355	<i>Kabuli</i>	Ca_Kabuli_Chr01	2373954	(G/T)
356	CakSNP356	<i>Kabuli</i>	Ca_Kabuli_Chr01	2395842	(A/C)
357	CakSNP357	<i>Kabuli</i>	Ca_Kabuli_Chr01	2400799	(T/G)
358	CakSNP358	<i>Kabuli</i>	Ca_Kabuli_Chr01	2400892	(C/T)
359	CakSNP359	<i>Kabuli</i>	Ca_Kabuli_Chr01	2428531	(A/G)
360	CakSNP360	<i>Kabuli</i>	Ca_Kabuli_Chr01	2439915	(A/G)
361	CakSNP361	<i>Kabuli</i>	Ca_Kabuli_Chr01	2439917	(G/A)
362	CakSNP362	<i>Kabuli</i>	Ca_Kabuli_Chr01	2473309	(T/C)
363	CakSNP363	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513476	(T/A)
364	CakSNP364	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513516	(T/A)
365	CakSNP365	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513535	(T/C)
366	CakSNP366	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513737	(T/C)
367	CakSNP367	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513860	(G/A)
368	CakSNP368	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513854	(G/A)
369	CakSNP369	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513792	(A/G)
370	CakSNP370	<i>Kabuli</i>	Ca_Kabuli_Chr01	2513914	(T/C)
371	CakSNP371	<i>Kabuli</i>	Ca_Kabuli_Chr01	2542652	(G/A)
372	CakSNP372	<i>Kabuli</i>	Ca_Kabuli_Chr01	2649822	(G/C)
373	CakSNP373	<i>Kabuli</i>	Ca_Kabuli_Chr01	2649864	(C/A)
374	CakSNP374	<i>Kabuli</i>	Ca_Kabuli_Chr01	2649921	(T/C)
375	CakSNP375	<i>Kabuli</i>	Ca_Kabuli_Chr01	2649906	(C/T)
376	CakSNP376	<i>Kabuli</i>	Ca_Kabuli_Chr01	2649974	(A/C)
377	CakSNP377	<i>Kabuli</i>	Ca_Kabuli_Chr01	2671403	(G/T)
378	CakSNP378	<i>Kabuli</i>	Ca_Kabuli_Chr01	2694584	(T/C)
379	CakSNP379	<i>Kabuli</i>	Ca_Kabuli_Chr01	2745499	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
380	CakSNP380	<i>Kabuli</i>	Ca_Kabuli_Chr01	2745514	(A/C)
381	CakSNP381	<i>Kabuli</i>	Ca_Kabuli_Chr01	2745519	(G/C)
382	CakSNP382	<i>Kabuli</i>	Ca_Kabuli_Chr01	2745486	(C/T)
383	CakSNP383	<i>Kabuli</i>	Ca_Kabuli_Chr01	2754998	(C/T)
384	CakSNP384	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755012	(C/T)
385	CakSNP385	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755013	(T/A)
386	CakSNP386	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755015	(T/C)
387	CakSNP387	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755443	(T/A)
388	CakSNP388	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755455	(G/A)
389	CakSNP389	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755457	(C/T)
390	CakSNP390	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755459	(T/G)
391	CakSNP391	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755465	(T/A)
392	CakSNP392	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755466	(C/G)
393	CakSNP393	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755470	(A/T)
394	CakSNP394	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755471	(C/A)
395	CakSNP395	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755489	(G/A)
396	CakSNP396	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755494	(T/C)
397	CakSNP397	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755496	(A/G)
398	CakSNP398	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755613	(G/T)
399	CakSNP399	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755604	(A/C)
400	CakSNP400	<i>Kabuli</i>	Ca_Kabuli_Chr01	2755596	(C/A)
401	CakSNP401	<i>Kabuli</i>	Ca_Kabuli_Chr01	2757711	(T/G)
402	CakSNP402	<i>Kabuli</i>	Ca_Kabuli_Chr01	2757696	(A/G)
403	CakSNP403	<i>Kabuli</i>	Ca_Kabuli_Chr01	2757693	(C/T)
404	CakSNP404	<i>Kabuli</i>	Ca_Kabuli_Chr01	2757678	(A/G)
405	CakSNP405	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758781	(G/C)
406	CakSNP406	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758759	(G/C)
407	CakSNP407	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758750	(A/G)
408	CakSNP408	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758746	(G/A)
409	CakSNP409	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758739	(A/T)
410	CakSNP410	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758738	(T/G)
411	CakSNP411	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758859	(A/T)
412	CakSNP412	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758835	(T/A)
413	CakSNP413	<i>Kabuli</i>	Ca_Kabuli_Chr01	2758827	(A/T)
414	CakSNP414	<i>Kabuli</i>	Ca_Kabuli_Chr01	2787006	(C/T)
415	CakSNP415	<i>Kabuli</i>	Ca_Kabuli_Chr01	2786994	(A/C)
416	CakSNP416	<i>Kabuli</i>	Ca_Kabuli_Chr01	2786989	(T/C)
417	CakSNP417	<i>Kabuli</i>	Ca_Kabuli_Chr01	2786976	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
418	CakSNP418	<i>Kabuli</i>	Ca_Kabuli_Chr01	2786974	(T/C)
419	CakSNP419	<i>Kabuli</i>	Ca_Kabuli_Chr01	2786970	(T/A)
420	CakSNP420	<i>Kabuli</i>	Ca_Kabuli_Chr01	2807605	(G/C)
421	CakSNP421	<i>Kabuli</i>	Ca_Kabuli_Chr01	2807616	(G/A)
422	CakSNP422	<i>Kabuli</i>	Ca_Kabuli_Chr01	2808197	(T/C)
423	CakSNP423	<i>Kabuli</i>	Ca_Kabuli_Chr01	2808170	(T/G)
424	CakSNP424	<i>Kabuli</i>	Ca_Kabuli_Chr01	2832792	(G/A)
425	CakSNP425	<i>Kabuli</i>	Ca_Kabuli_Chr01	2832969	(G/A)
426	CakSNP426	<i>Kabuli</i>	Ca_Kabuli_Chr01	2832939	(G/T)
427	CakSNP427	<i>Kabuli</i>	Ca_Kabuli_Chr01	2833448	(C/A)
428	CakSNP428	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855919	(T/G)
429	CakSNP429	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855926	(T/A)
430	CakSNP430	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855927	(T/A)
431	CakSNP431	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855941	(T/G)
432	CakSNP432	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855962	(A/G)
433	CakSNP433	<i>Kabuli</i>	Ca_Kabuli_Chr01	2855969	(C/T)
434	CakSNP434	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856003	(T/C)
435	CakSNP435	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856045	(C/T)
436	CakSNP436	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856079	(T/G)
437	CakSNP437	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856094	(T/G)
438	CakSNP438	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856120	(T/G)
439	CakSNP439	<i>Kabuli</i>	Ca_Kabuli_Chr01	2856534	(T/A)
440	CakSNP440	<i>Kabuli</i>	Ca_Kabuli_Chr01	2858263	(A/G)
441	CakSNP441	<i>Kabuli</i>	Ca_Kabuli_Chr01	2858278	(T/A)
442	CakSNP442	<i>Kabuli</i>	Ca_Kabuli_Chr01	2858287	(G/T)
443	CakSNP443	<i>Kabuli</i>	Ca_Kabuli_Chr01	2858299	(C/A)
444	CakSNP444	<i>Kabuli</i>	Ca_Kabuli_Chr01	2868942	(G/A)
445	CakSNP445	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881315	(T/C)
446	CakSNP446	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881321	(C/A)
447	CakSNP447	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881323	(A/T)
448	CakSNP448	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881327	(C/T)
449	CakSNP449	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881356	(C/A)
450	CakSNP450	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881357	(A/T)
451	CakSNP451	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881422	(T/C)
452	CakSNP452	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881389	(G/C)
453	CakSNP453	<i>Kabuli</i>	Ca_Kabuli_Chr01	2881386	(G/T)
454	CakSNP454	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883625	(T/A)
455	CakSNP455	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883634	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
456	CakSNP456	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883635	(A/G)
457	CakSNP457	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883660	(C/G)
458	CakSNP458	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883666	(G/A)
459	CakSNP459	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883684	(G/T)
460	CakSNP460	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883717	(C/A)
461	CakSNP461	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883716	(A/C)
462	CakSNP462	<i>Kabuli</i>	Ca_Kabuli_Chr01	2883709	(A/G)
463	CakSNP463	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885508	(T/C)
464	CakSNP464	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885525	(T/C)
465	CakSNP465	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885531	(C/T)
466	CakSNP466	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885626	(A/G)
467	CakSNP467	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885673	(G/C)
468	CakSNP468	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885892	(T/A)
469	CakSNP469	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885906	(C/T)
470	CakSNP470	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885923	(C/G)
471	CakSNP471	<i>Kabuli</i>	Ca_Kabuli_Chr01	2886025	(A/G)
472	CakSNP472	<i>Kabuli</i>	Ca_Kabuli_Chr01	2886020	(G/T)
473	CakSNP473	<i>Kabuli</i>	Ca_Kabuli_Chr01	2886015	(G/A)
474	CakSNP474	<i>Kabuli</i>	Ca_Kabuli_Chr01	2886005	(G/A)
475	CakSNP475	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885997	(G/A)
476	CakSNP476	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885988	(C/G)
477	CakSNP477	<i>Kabuli</i>	Ca_Kabuli_Chr01	2885987	(T/A)
478	CakSNP478	<i>Kabuli</i>	Ca_Kabuli_Chr01	2948211	(C/T)
479	CakSNP479	<i>Kabuli</i>	Ca_Kabuli_Chr01	3009417	(C/T)
480	CakSNP480	<i>Kabuli</i>	Ca_Kabuli_Chr01	3032061	(C/A)
481	CakSNP481	<i>Kabuli</i>	Ca_Kabuli_Chr01	3081723	(G/T)
482	CakSNP482	<i>Kabuli</i>	Ca_Kabuli_Chr01	3081851	(T/G)
483	CakSNP483	<i>Kabuli</i>	Ca_Kabuli_Chr01	3081850	(C/A)
484	CakSNP484	<i>Kabuli</i>	Ca_Kabuli_Chr01	3082280	(G/A)
485	CakSNP485	<i>Kabuli</i>	Ca_Kabuli_Chr01	3151007	(G/A)
486	CakSNP486	<i>Kabuli</i>	Ca_Kabuli_Chr01	3150986	(T/C)
487	CakSNP487	<i>Kabuli</i>	Ca_Kabuli_Chr01	3150964	(C/G)
488	CakSNP488	<i>Kabuli</i>	Ca_Kabuli_Chr01	3259114	(G/A)
489	CakSNP489	<i>Kabuli</i>	Ca_Kabuli_Chr01	3259117	(G/C)
490	CakSNP490	<i>Kabuli</i>	Ca_Kabuli_Chr01	3259177	(G/C)
491	CakSNP491	<i>Kabuli</i>	Ca_Kabuli_Chr01	3298327	(C/G)
492	CakSNP492	<i>Kabuli</i>	Ca_Kabuli_Chr01	3298783	(T/G)
493	CakSNP493	<i>Kabuli</i>	Ca_Kabuli_Chr01	3359148	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
494	CakSNP494	<i>Kabuli</i>	Ca_Kabuli_Chr01	3364952	(A/C)
495	CakSNP495	<i>Kabuli</i>	Ca_Kabuli_Chr01	3374375	(G/A)
496	CakSNP496	<i>Kabuli</i>	Ca_Kabuli_Chr01	3427555	(A/C)
497	CakSNP497	<i>Kabuli</i>	Ca_Kabuli_Chr01	3427649	(A/G)
498	CakSNP498	<i>Kabuli</i>	Ca_Kabuli_Chr01	3503059	(C/A)
499	CakSNP499	<i>Kabuli</i>	Ca_Kabuli_Chr01	3503153	(G/A)
500	CakSNP500	<i>Kabuli</i>	Ca_Kabuli_Chr01	3542263	(A/C)
501	CakSNP501	<i>Kabuli</i>	Ca_Kabuli_Chr01	3544948	(A/T)
502	CakSNP502	<i>Kabuli</i>	Ca_Kabuli_Chr01	3545011	(G/A)
503	CakSNP503	<i>Kabuli</i>	Ca_Kabuli_Chr01	3564342	(G/T)
504	CakSNP504	<i>Kabuli</i>	Ca_Kabuli_Chr01	3596241	(C/T)
505	CakSNP505	<i>Kabuli</i>	Ca_Kabuli_Chr01	3597842	(G/A)
506	CakSNP506	<i>Kabuli</i>	Ca_Kabuli_Chr01	3605582	(G/A)
507	CakSNP507	<i>Kabuli</i>	Ca_Kabuli_Chr01	3605583	(C/T)
508	CakSNP508	<i>Kabuli</i>	Ca_Kabuli_Chr01	3609580	(T/C)
509	CakSNP509	<i>Kabuli</i>	Ca_Kabuli_Chr01	3611231	(C/A)
510	CakSNP510	<i>Kabuli</i>	Ca_Kabuli_Chr01	3614966	(A/G)
511	CakSNP511	<i>Kabuli</i>	Ca_Kabuli_Chr01	3615037	(G/T)
512	CakSNP512	<i>Kabuli</i>	Ca_Kabuli_Chr01	3615064	(T/C)
513	CakSNP513	<i>Kabuli</i>	Ca_Kabuli_Chr01	3615052	(C/A)
514	CakSNP514	<i>Kabuli</i>	Ca_Kabuli_Chr01	3622757	(C/T)
515	CakSNP515	<i>Kabuli</i>	Ca_Kabuli_Chr01	3711498	(T/G)
516	CakSNP516	<i>Kabuli</i>	Ca_Kabuli_Chr01	3711525	(T/G)
517	CakSNP517	<i>Kabuli</i>	Ca_Kabuli_Chr01	3751865	(G/T)
518	CakSNP518	<i>Kabuli</i>	Ca_Kabuli_Chr01	3777223	(C/T)
519	CakSNP519	<i>Kabuli</i>	Ca_Kabuli_Chr01	3810931	(T/C)
520	CakSNP520	<i>Kabuli</i>	Ca_Kabuli_Chr01	3852035	(A/C)
521	CakSNP521	<i>Kabuli</i>	Ca_Kabuli_Chr01	3852476	(A/C)
522	CakSNP522	<i>Kabuli</i>	Ca_Kabuli_Chr01	3853408	(T/C)
523	CakSNP523	<i>Kabuli</i>	Ca_Kabuli_Chr01	3855229	(G/A)
524	CakSNP524	<i>Kabuli</i>	Ca_Kabuli_Chr01	3891319	(T/C)
525	CakSNP525	<i>Kabuli</i>	Ca_Kabuli_Chr01	3911547	(G/A)
526	CakSNP526	<i>Kabuli</i>	Ca_Kabuli_Chr01	3941250	(C/T)
527	CakSNP527	<i>Kabuli</i>	Ca_Kabuli_Chr01	3941399	(T/C)
528	CakSNP528	<i>Kabuli</i>	Ca_Kabuli_Chr01	3952819	(G/A)
529	CakSNP529	<i>Kabuli</i>	Ca_Kabuli_Chr01	3956031	(T/C)
530	CakSNP530	<i>Kabuli</i>	Ca_Kabuli_Chr01	3956028	(C/T)
531	CakSNP531	<i>Kabuli</i>	Ca_Kabuli_Chr01	3972671	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
532	CakSNP532	<i>Kabuli</i>	Ca_Kabuli_Chr01	4048854	(G/A)
533	CakSNP533	<i>Kabuli</i>	Ca_Kabuli_Chr01	4048875	(A/T)
534	CakSNP534	<i>Kabuli</i>	Ca_Kabuli_Chr01	4073941	(A/C)
535	CakSNP535	<i>Kabuli</i>	Ca_Kabuli_Chr01	4112929	(A/T)
536	CakSNP536	<i>Kabuli</i>	Ca_Kabuli_Chr01	4189333	(C/T)
537	CakSNP537	<i>Kabuli</i>	Ca_Kabuli_Chr01	4189297	(T/C)
538	CakSNP538	<i>Kabuli</i>	Ca_Kabuli_Chr01	4245058	(C/G)
539	CakSNP539	<i>Kabuli</i>	Ca_Kabuli_Chr01	4245073	(C/G)
540	CakSNP540	<i>Kabuli</i>	Ca_Kabuli_Chr01	4245176	(G/T)
541	CakSNP541	<i>Kabuli</i>	Ca_Kabuli_Chr01	4292981	(G/C)
542	CakSNP542	<i>Kabuli</i>	Ca_Kabuli_Chr01	4302669	(G/C)
543	CakSNP543	<i>Kabuli</i>	Ca_Kabuli_Chr01	4302770	(A/C)
544	CakSNP544	<i>Kabuli</i>	Ca_Kabuli_Chr01	4302751	(T/C)
545	CakSNP545	<i>Kabuli</i>	Ca_Kabuli_Chr01	4334299	(A/T)
546	CakSNP546	<i>Kabuli</i>	Ca_Kabuli_Chr01	4334336	(A/G)
547	CakSNP547	<i>Kabuli</i>	Ca_Kabuli_Chr01	4372257	(A/G)
548	CakSNP548	<i>Kabuli</i>	Ca_Kabuli_Chr01	4375710	(T/C)
549	CakSNP549	<i>Kabuli</i>	Ca_Kabuli_Chr01	4385002	(C/T)
550	CakSNP550	<i>Kabuli</i>	Ca_Kabuli_Chr01	4386114	(T/G)
551	CakSNP551	<i>Kabuli</i>	Ca_Kabuli_Chr01	4386111	(T/C)
552	CakSNP552	<i>Kabuli</i>	Ca_Kabuli_Chr01	4392680	(A/G)
553	CakSNP553	<i>Kabuli</i>	Ca_Kabuli_Chr01	4414410	(A/T)
554	CakSNP554	<i>Kabuli</i>	Ca_Kabuli_Chr01	4423984	(A/G)
555	CakSNP555	<i>Kabuli</i>	Ca_Kabuli_Chr01	4429044	(C/T)
556	CakSNP556	<i>Kabuli</i>	Ca_Kabuli_Chr01	4432569	(A/G)
557	CakSNP557	<i>Kabuli</i>	Ca_Kabuli_Chr01	4432549	(C/T)
558	CakSNP558	<i>Kabuli</i>	Ca_Kabuli_Chr01	4432545	(C/A)
559	CakSNP559	<i>Kabuli</i>	Ca_Kabuli_Chr01	4432541	(C/A)
560	CakSNP560	<i>Kabuli</i>	Ca_Kabuli_Chr01	4456662	(G/A)
561	CakSNP561	<i>Kabuli</i>	Ca_Kabuli_Chr01	4456654	(A/C)
562	CakSNP562	<i>Kabuli</i>	Ca_Kabuli_Chr01	4456648	(T/C)
563	CakSNP563	<i>Kabuli</i>	Ca_Kabuli_Chr01	4457588	(A/G)
564	CakSNP564	<i>Kabuli</i>	Ca_Kabuli_Chr01	4460112	(A/T)
565	CakSNP565	<i>Kabuli</i>	Ca_Kabuli_Chr01	4494270	(C/T)
566	CakSNP566	<i>Kabuli</i>	Ca_Kabuli_Chr01	4494467	(A/G)
567	CakSNP567	<i>Kabuli</i>	Ca_Kabuli_Chr01	4512566	(T/C)
568	CakSNP568	<i>Kabuli</i>	Ca_Kabuli_Chr01	4528117	(A/G)
569	CakSNP569	<i>Kabuli</i>	Ca_Kabuli_Chr01	4528184	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
570	CakSNP570	<i>Kabuli</i>	Ca_Kabuli_Chr01	4530304	(T/C)
571	CakSNP571	<i>Kabuli</i>	Ca_Kabuli_Chr01	4560792	(C/T)
572	CakSNP572	<i>Kabuli</i>	Ca_Kabuli_Chr01	4560920	(G/A)
573	CakSNP573	<i>Kabuli</i>	Ca_Kabuli_Chr01	4569669	(T/A)
574	CakSNP574	<i>Kabuli</i>	Ca_Kabuli_Chr01	4569670	(T/A)
575	CakSNP575	<i>Kabuli</i>	Ca_Kabuli_Chr01	4569690	(A/G)
576	CakSNP576	<i>Kabuli</i>	Ca_Kabuli_Chr01	4571615	(T/C)
577	CakSNP577	<i>Kabuli</i>	Ca_Kabuli_Chr01	4571540	(C/G)
578	CakSNP578	<i>Kabuli</i>	Ca_Kabuli_Chr01	4571539	(G/A)
579	CakSNP579	<i>Kabuli</i>	Ca_Kabuli_Chr01	4576888	(A/G)
580	CakSNP580	<i>Kabuli</i>	Ca_Kabuli_Chr01	4578967	(T/G)
581	CakSNP581	<i>Kabuli</i>	Ca_Kabuli_Chr01	4578999	(T/A)
582	CakSNP582	<i>Kabuli</i>	Ca_Kabuli_Chr01	4582189	(C/T)
583	CakSNP583	<i>Kabuli</i>	Ca_Kabuli_Chr01	4626099	(T/G)
584	CakSNP584	<i>Kabuli</i>	Ca_Kabuli_Chr01	4626098	(C/G)
585	CakSNP585	<i>Kabuli</i>	Ca_Kabuli_Chr01	4631467	(G/A)
586	CakSNP586	<i>Kabuli</i>	Ca_Kabuli_Chr01	4632188	(G/A)
587	CakSNP587	<i>Kabuli</i>	Ca_Kabuli_Chr01	4632965	(G/A)
588	CakSNP588	<i>Kabuli</i>	Ca_Kabuli_Chr01	4634413	(C/T)
589	CakSNP589	<i>Kabuli</i>	Ca_Kabuli_Chr01	4635347	(G/A)
590	CakSNP590	<i>Kabuli</i>	Ca_Kabuli_Chr01	4635302	(A/C)
591	CakSNP591	<i>Kabuli</i>	Ca_Kabuli_Chr01	4662564	(A/G)
592	CakSNP592	<i>Kabuli</i>	Ca_Kabuli_Chr01	4672439	(G/A)
593	CakSNP593	<i>Kabuli</i>	Ca_Kabuli_Chr01	4715563	(T/C)
594	CakSNP594	<i>Kabuli</i>	Ca_Kabuli_Chr01	4780330	(C/T)
595	CakSNP595	<i>Kabuli</i>	Ca_Kabuli_Chr01	4780345	(G/T)
596	CakSNP596	<i>Kabuli</i>	Ca_Kabuli_Chr01	4781362	(C/T)
597	CakSNP597	<i>Kabuli</i>	Ca_Kabuli_Chr01	4781416	(G/A)
598	CakSNP598	<i>Kabuli</i>	Ca_Kabuli_Chr01	4781704	(G/A)
599	CakSNP599	<i>Kabuli</i>	Ca_Kabuli_Chr01	4808910	(A/T)
600	CakSNP600	<i>Kabuli</i>	Ca_Kabuli_Chr01	4878683	(T/C)
601	CakSNP601	<i>Kabuli</i>	Ca_Kabuli_Chr01	4878691	(A/C)
602	CakSNP602	<i>Kabuli</i>	Ca_Kabuli_Chr01	4878695	(T/C)
603	CakSNP603	<i>Kabuli</i>	Ca_Kabuli_Chr01	4878823	(A/G)
604	CakSNP604	<i>Kabuli</i>	Ca_Kabuli_Chr01	4903185	(T/A)
605	CakSNP605	<i>Kabuli</i>	Ca_Kabuli_Chr01	4903203	(A/G)
606	CakSNP606	<i>Kabuli</i>	Ca_Kabuli_Chr01	4903239	(G/A)
607	CakSNP607	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906759	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
608	CakSNP608	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906775	(A/T)
609	CakSNP609	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906777	(G/T)
610	CakSNP610	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906778	(T/G)
611	CakSNP611	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906800	(T/G)
612	CakSNP612	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906816	(A/G)
613	CakSNP613	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906868	(G/C)
614	CakSNP614	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906859	(T/C)
615	CakSNP615	<i>Kabuli</i>	Ca_Kabuli_Chr01	4906854	(A/G)
616	CakSNP616	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909155	(T/C)
617	CakSNP617	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909286	(T/G)
618	CakSNP618	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909280	(T/G)
619	CakSNP619	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909271	(A/G)
620	CakSNP620	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909268	(C/T)
621	CakSNP621	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909261	(G/T)
622	CakSNP622	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909255	(G/A)
623	CakSNP623	<i>Kabuli</i>	Ca_Kabuli_Chr01	4909253	(A/G)
624	CakSNP624	<i>Kabuli</i>	Ca_Kabuli_Chr01	4910497	(A/G)
625	CakSNP625	<i>Kabuli</i>	Ca_Kabuli_Chr01	4910494	(C/A)
626	CakSNP626	<i>Kabuli</i>	Ca_Kabuli_Chr01	4948740	(A/T)
627	CakSNP627	<i>Kabuli</i>	Ca_Kabuli_Chr01	4949578	(A/T)
628	CakSNP628	<i>Kabuli</i>	Ca_Kabuli_Chr01	4950457	(G/A)
629	CakSNP629	<i>Kabuli</i>	Ca_Kabuli_Chr01	4950726	(G/T)
630	CakSNP630	<i>Kabuli</i>	Ca_Kabuli_Chr01	4959562	(A/C)
631	CakSNP631	<i>Kabuli</i>	Ca_Kabuli_Chr01	4995240	(T/A)
632	CakSNP632	<i>Kabuli</i>	Ca_Kabuli_Chr01	4996404	(A/C)
633	CakSNP633	<i>Kabuli</i>	Ca_Kabuli_Chr01	4996459	(T/C)
634	CakSNP634	<i>Kabuli</i>	Ca_Kabuli_Chr01	4996476	(G/A)
635	CakSNP635	<i>Kabuli</i>	Ca_Kabuli_Chr01	4996536	(C/T)
636	CakSNP636	<i>Kabuli</i>	Ca_Kabuli_Chr01	5071210	(A/G)
637	CakSNP637	<i>Kabuli</i>	Ca_Kabuli_Chr01	5071195	(T/A)
638	CakSNP638	<i>Kabuli</i>	Ca_Kabuli_Chr01	5071177	(A/G)
639	CakSNP639	<i>Kabuli</i>	Ca_Kabuli_Chr01	5071158	(G/A)
640	CakSNP640	<i>Kabuli</i>	Ca_Kabuli_Chr01	5072022	(C/A)
641	CakSNP641	<i>Kabuli</i>	Ca_Kabuli_Chr01	5080342	(A/T)
642	CakSNP642	<i>Kabuli</i>	Ca_Kabuli_Chr01	5080358	(G/A)
643	CakSNP643	<i>Kabuli</i>	Ca_Kabuli_Chr01	5087428	(T/C)
644	CakSNP644	<i>Kabuli</i>	Ca_Kabuli_Chr01	5096676	(A/T)
645	CakSNP645	<i>Kabuli</i>	Ca_Kabuli_Chr01	5096650	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
646	CakSNP646	<i>Kabuli</i>	Ca_Kabuli_Chr01	5122663	(A/G)
647	CakSNP647	<i>Kabuli</i>	Ca_Kabuli_Chr01	5129940	(G/A)
648	CakSNP648	<i>Kabuli</i>	Ca_Kabuli_Chr01	5138013	(A/C)
649	CakSNP649	<i>Kabuli</i>	Ca_Kabuli_Chr01	5140801	(C/A)
650	CakSNP650	<i>Kabuli</i>	Ca_Kabuli_Chr01	5140837	(A/T)
651	CakSNP651	<i>Kabuli</i>	Ca_Kabuli_Chr01	5141009	(G/C)
652	CakSNP652	<i>Kabuli</i>	Ca_Kabuli_Chr01	5140944	(C/G)
653	CakSNP653	<i>Kabuli</i>	Ca_Kabuli_Chr01	5146658	(C/A)
654	CakSNP654	<i>Kabuli</i>	Ca_Kabuli_Chr01	5146667	(T/G)
655	CakSNP655	<i>Kabuli</i>	Ca_Kabuli_Chr01	5146696	(T/A)
656	CakSNP656	<i>Kabuli</i>	Ca_Kabuli_Chr01	5164127	(A/G)
657	CakSNP657	<i>Kabuli</i>	Ca_Kabuli_Chr01	5164136	(C/T)
658	CakSNP658	<i>Kabuli</i>	Ca_Kabuli_Chr01	5164198	(C/A)
659	CakSNP659	<i>Kabuli</i>	Ca_Kabuli_Chr01	5197461	(C/T)
660	CakSNP660	<i>Kabuli</i>	Ca_Kabuli_Chr01	5197475	(T/A)
661	CakSNP661	<i>Kabuli</i>	Ca_Kabuli_Chr01	5200250	(T/G)
662	CakSNP662	<i>Kabuli</i>	Ca_Kabuli_Chr01	5200289	(G/T)
663	CakSNP663	<i>Kabuli</i>	Ca_Kabuli_Chr01	5249839	(G/A)
664	CakSNP664	<i>Kabuli</i>	Ca_Kabuli_Chr01	5249846	(A/C)
665	CakSNP665	<i>Kabuli</i>	Ca_Kabuli_Chr01	5249868	(G/A)
666	CakSNP666	<i>Kabuli</i>	Ca_Kabuli_Chr01	5288427	(T/C)
667	CakSNP667	<i>Kabuli</i>	Ca_Kabuli_Chr01	5288421	(A/C)
668	CakSNP668	<i>Kabuli</i>	Ca_Kabuli_Chr01	5304576	(A/C)
669	CakSNP669	<i>Kabuli</i>	Ca_Kabuli_Chr01	5321398	(A/G)
670	CakSNP670	<i>Kabuli</i>	Ca_Kabuli_Chr01	5430700	(A/C)
671	CakSNP671	<i>Kabuli</i>	Ca_Kabuli_Chr01	5430703	(T/G)
672	CakSNP672	<i>Kabuli</i>	Ca_Kabuli_Chr01	5430809	(G/A)
673	CakSNP673	<i>Kabuli</i>	Ca_Kabuli_Chr01	5444130	(A/C)
674	CakSNP674	<i>Kabuli</i>	Ca_Kabuli_Chr01	5444142	(A/T)
675	CakSNP675	<i>Kabuli</i>	Ca_Kabuli_Chr01	5474604	(G/A)
676	CakSNP676	<i>Kabuli</i>	Ca_Kabuli_Chr01	5477196	(T/C)
677	CakSNP677	<i>Kabuli</i>	Ca_Kabuli_Chr01	5487535	(A/G)
678	CakSNP678	<i>Kabuli</i>	Ca_Kabuli_Chr01	5489806	(C/G)
679	CakSNP679	<i>Kabuli</i>	Ca_Kabuli_Chr01	5577080	(T/C)
680	CakSNP680	<i>Kabuli</i>	Ca_Kabuli_Chr01	5629027	(G/A)
681	CakSNP681	<i>Kabuli</i>	Ca_Kabuli_Chr01	5637388	(T/A)
682	CakSNP682	<i>Kabuli</i>	Ca_Kabuli_Chr01	5637442	(C/T)
683	CakSNP683	<i>Kabuli</i>	Ca_Kabuli_Chr01	5643313	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
684	CakSNP684	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666178	(A/C)
685	CakSNP685	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666217	(C/A)
686	CakSNP686	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666260	(T/G)
687	CakSNP687	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666266	(T/G)
688	CakSNP688	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666263	(T/G)
689	CakSNP689	<i>Kabuli</i>	Ca_Kabuli_Chr01	5666355	(T/G)
690	CakSNP690	<i>Kabuli</i>	Ca_Kabuli_Chr01	5667605	(G/A)
691	CakSNP691	<i>Kabuli</i>	Ca_Kabuli_Chr01	5702638	(C/T)
692	CakSNP692	<i>Kabuli</i>	Ca_Kabuli_Chr01	5706858	(A/T)
693	CakSNP693	<i>Kabuli</i>	Ca_Kabuli_Chr01	5706961	(G/T)
694	CakSNP694	<i>Kabuli</i>	Ca_Kabuli_Chr01	5706948	(A/T)
695	CakSNP695	<i>Kabuli</i>	Ca_Kabuli_Chr01	5706944	(T/G)
696	CakSNP696	<i>Kabuli</i>	Ca_Kabuli_Chr01	5706920	(G/A)
697	CakSNP697	<i>Kabuli</i>	Ca_Kabuli_Chr01	5721616	(A/T)
698	CakSNP698	<i>Kabuli</i>	Ca_Kabuli_Chr01	5749456	(C/T)
699	CakSNP699	<i>Kabuli</i>	Ca_Kabuli_Chr01	5791118	(T/G)
700	CakSNP700	<i>Kabuli</i>	Ca_Kabuli_Chr01	5796146	(C/T)
701	CakSNP701	<i>Kabuli</i>	Ca_Kabuli_Chr01	5796886	(A/G)
702	CakSNP702	<i>Kabuli</i>	Ca_Kabuli_Chr01	5807492	(T/C)
703	CakSNP703	<i>Kabuli</i>	Ca_Kabuli_Chr01	5812283	(G/T)
704	CakSNP704	<i>Kabuli</i>	Ca_Kabuli_Chr01	5812298	(G/A)
705	CakSNP705	<i>Kabuli</i>	Ca_Kabuli_Chr01	5862565	(C/T)
706	CakSNP706	<i>Kabuli</i>	Ca_Kabuli_Chr01	5960264	(T/C)
707	CakSNP707	<i>Kabuli</i>	Ca_Kabuli_Chr01	5978146	(G/A)
708	CakSNP708	<i>Kabuli</i>	Ca_Kabuli_Chr01	5978289	(C/T)
709	CakSNP709	<i>Kabuli</i>	Ca_Kabuli_Chr01	5981127	(C/T)
710	CakSNP710	<i>Kabuli</i>	Ca_Kabuli_Chr01	5981178	(A/G)
711	CakSNP711	<i>Kabuli</i>	Ca_Kabuli_Chr01	6011727	(G/T)
712	CakSNP712	<i>Kabuli</i>	Ca_Kabuli_Chr01	6011697	(T/G)
713	CakSNP713	<i>Kabuli</i>	Ca_Kabuli_Chr01	6011689	(G/A)
714	CakSNP714	<i>Kabuli</i>	Ca_Kabuli_Chr01	6011657	(T/C)
715	CakSNP715	<i>Kabuli</i>	Ca_Kabuli_Chr01	6011761	(C/T)
716	CakSNP716	<i>Kabuli</i>	Ca_Kabuli_Chr01	6017854	(A/C)
717	CakSNP717	<i>Kabuli</i>	Ca_Kabuli_Chr01	6066972	(C/T)
718	CakSNP718	<i>Kabuli</i>	Ca_Kabuli_Chr01	6066936	(A/G)
719	CakSNP719	<i>Kabuli</i>	Ca_Kabuli_Chr01	6066933	(C/T)
720	CakSNP720	<i>Kabuli</i>	Ca_Kabuli_Chr01	6067846	(T/C)
721	CakSNP721	<i>Kabuli</i>	Ca_Kabuli_Chr01	6088283	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
722	CakSNP722	<i>Kabuli</i>	Ca_Kabuli_Chr01	6101205	(C/T)
723	CakSNP723	<i>Kabuli</i>	Ca_Kabuli_Chr01	6126761	(T/A)
724	CakSNP724	<i>Kabuli</i>	Ca_Kabuli_Chr01	6126772	(G/A)
725	CakSNP725	<i>Kabuli</i>	Ca_Kabuli_Chr01	6155341	(A/G)
726	CakSNP726	<i>Kabuli</i>	Ca_Kabuli_Chr01	6224010	(C/G)
727	CakSNP727	<i>Kabuli</i>	Ca_Kabuli_Chr01	6224015	(C/T)
728	CakSNP728	<i>Kabuli</i>	Ca_Kabuli_Chr01	6249062	(T/C)
729	CakSNP729	<i>Kabuli</i>	Ca_Kabuli_Chr01	6249035	(T/C)
730	CakSNP730	<i>Kabuli</i>	Ca_Kabuli_Chr01	6257653	(C/G)
731	CakSNP731	<i>Kabuli</i>	Ca_Kabuli_Chr01	6257712	(A/T)
732	CakSNP732	<i>Kabuli</i>	Ca_Kabuli_Chr01	6259458	(T/C)
733	CakSNP733	<i>Kabuli</i>	Ca_Kabuli_Chr01	6262461	(A/G)
734	CakSNP734	<i>Kabuli</i>	Ca_Kabuli_Chr01	6262529	(T/G)
735	CakSNP735	<i>Kabuli</i>	Ca_Kabuli_Chr01	6262577	(A/G)
736	CakSNP736	<i>Kabuli</i>	Ca_Kabuli_Chr01	6278572	(T/C)
737	CakSNP737	<i>Kabuli</i>	Ca_Kabuli_Chr01	6278625	(T/C)
738	CakSNP738	<i>Kabuli</i>	Ca_Kabuli_Chr01	6279644	(G/T)
739	CakSNP739	<i>Kabuli</i>	Ca_Kabuli_Chr01	6296858	(G/A)
740	CakSNP740	<i>Kabuli</i>	Ca_Kabuli_Chr01	6296986	(C/A)
741	CakSNP741	<i>Kabuli</i>	Ca_Kabuli_Chr01	6296929	(C/T)
742	CakSNP742	<i>Kabuli</i>	Ca_Kabuli_Chr01	6315337	(G/T)
743	CakSNP743	<i>Kabuli</i>	Ca_Kabuli_Chr01	6315402	(C/T)
744	CakSNP744	<i>Kabuli</i>	Ca_Kabuli_Chr01	6315399	(T/G)
745	CakSNP745	<i>Kabuli</i>	Ca_Kabuli_Chr01	6315397	(C/G)
746	CakSNP746	<i>Kabuli</i>	Ca_Kabuli_Chr01	6328801	(T/A)
747	CakSNP747	<i>Kabuli</i>	Ca_Kabuli_Chr01	6328957	(C/T)
748	CakSNP748	<i>Kabuli</i>	Ca_Kabuli_Chr01	6328963	(A/G)
749	CakSNP749	<i>Kabuli</i>	Ca_Kabuli_Chr01	6329805	(A/G)
750	CakSNP750	<i>Kabuli</i>	Ca_Kabuli_Chr01	6329814	(T/A)
751	CakSNP751	<i>Kabuli</i>	Ca_Kabuli_Chr01	6329844	(C/T)
752	CakSNP752	<i>Kabuli</i>	Ca_Kabuli_Chr01	6329847	(A/G)
753	CakSNP753	<i>Kabuli</i>	Ca_Kabuli_Chr01	6332229	(T/C)
754	CakSNP754	<i>Kabuli</i>	Ca_Kabuli_Chr01	6347626	(C/T)
755	CakSNP755	<i>Kabuli</i>	Ca_Kabuli_Chr01	6347720	(G/A)
756	CakSNP756	<i>Kabuli</i>	Ca_Kabuli_Chr01	6381114	(T/G)
757	CakSNP757	<i>Kabuli</i>	Ca_Kabuli_Chr01	6381191	(T/C)
758	CakSNP758	<i>Kabuli</i>	Ca_Kabuli_Chr01	6390541	(T/A)
759	CakSNP759	<i>Kabuli</i>	Ca_Kabuli_Chr01	6390849	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
760	CakSNP760	<i>Kabuli</i>	Ca_Kabuli_Chr01	6391017	(T/C)
761	CakSNP761	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433592	(T/G)
762	CakSNP762	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433826	(G/A)
763	CakSNP763	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433838	(C/T)
764	CakSNP764	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433841	(C/T)
765	CakSNP765	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433883	(A/G)
766	CakSNP766	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433934	(T/A)
767	CakSNP767	<i>Kabuli</i>	Ca_Kabuli_Chr01	6433925	(C/T)
768	CakSNP768	<i>Kabuli</i>	Ca_Kabuli_Chr01	6478736	(A/G)
769	CakSNP769	<i>Kabuli</i>	Ca_Kabuli_Chr01	6478758	(A/G)
770	CakSNP770	<i>Kabuli</i>	Ca_Kabuli_Chr01	6486446	(G/C)
771	CakSNP771	<i>Kabuli</i>	Ca_Kabuli_Chr01	6490978	(A/T)
772	CakSNP772	<i>Kabuli</i>	Ca_Kabuli_Chr01	6491008	(A/T)
773	CakSNP773	<i>Kabuli</i>	Ca_Kabuli_Chr01	6491030	(T/G)
774	CakSNP774	<i>Kabuli</i>	Ca_Kabuli_Chr01	6491017	(T/C)
775	CakSNP775	<i>Kabuli</i>	Ca_Kabuli_Chr01	6521670	(C/T)
776	CakSNP776	<i>Kabuli</i>	Ca_Kabuli_Chr01	6521673	(G/A)
777	CakSNP777	<i>Kabuli</i>	Ca_Kabuli_Chr01	6521856	(A/G)
778	CakSNP778	<i>Kabuli</i>	Ca_Kabuli_Chr01	6521859	(T/A)
779	CakSNP779	<i>Kabuli</i>	Ca_Kabuli_Chr01	6521970	(C/T)
780	CakSNP780	<i>Kabuli</i>	Ca_Kabuli_Chr01	6540056	(C/T)
781	CakSNP781	<i>Kabuli</i>	Ca_Kabuli_Chr01	6540170	(G/A)
782	CakSNP782	<i>Kabuli</i>	Ca_Kabuli_Chr01	6553107	(A/C)
783	CakSNP783	<i>Kabuli</i>	Ca_Kabuli_Chr01	6564716	(C/T)
784	CakSNP784	<i>Kabuli</i>	Ca_Kabuli_Chr01	6564789	(C/T)
785	CakSNP785	<i>Kabuli</i>	Ca_Kabuli_Chr01	6591506	(G/C)
786	CakSNP786	<i>Kabuli</i>	Ca_Kabuli_Chr01	6591518	(G/T)
787	CakSNP787	<i>Kabuli</i>	Ca_Kabuli_Chr01	6599917	(C/A)
788	CakSNP788	<i>Kabuli</i>	Ca_Kabuli_Chr01	6634482	(G/C)
789	CakSNP789	<i>Kabuli</i>	Ca_Kabuli_Chr01	6635404	(C/T)
790	CakSNP790	<i>Kabuli</i>	Ca_Kabuli_Chr01	6635401	(T/C)
791	CakSNP791	<i>Kabuli</i>	Ca_Kabuli_Chr01	6635366	(T/C)
792	CakSNP792	<i>Kabuli</i>	Ca_Kabuli_Chr01	6679253	(A/G)
793	CakSNP793	<i>Kabuli</i>	Ca_Kabuli_Chr01	6679329	(A/G)
794	CakSNP794	<i>Kabuli</i>	Ca_Kabuli_Chr01	6803364	(G/A)
795	CakSNP795	<i>Kabuli</i>	Ca_Kabuli_Chr01	6804031	(C/T)
796	CakSNP796	<i>Kabuli</i>	Ca_Kabuli_Chr01	6804110	(A/T)
797	CakSNP797	<i>Kabuli</i>	Ca_Kabuli_Chr01	6849437	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
798	CakSNP798	<i>Kabuli</i>	Ca_Kabuli_Chr01	6849512	(G/C)
799	CakSNP799	<i>Kabuli</i>	Ca_Kabuli_Chr01	6879110	(G/C)
800	CakSNP800	<i>Kabuli</i>	Ca_Kabuli_Chr01	6880666	(A/G)
801	CakSNP801	<i>Kabuli</i>	Ca_Kabuli_Chr01	6880837	(A/G)
802	CakSNP802	<i>Kabuli</i>	Ca_Kabuli_Chr01	6904278	(A/C)
803	CakSNP803	<i>Kabuli</i>	Ca_Kabuli_Chr01	6904313	(A/C)
804	CakSNP804	<i>Kabuli</i>	Ca_Kabuli_Chr01	6904338	(C/T)
805	CakSNP805	<i>Kabuli</i>	Ca_Kabuli_Chr01	6952382	(G/T)
806	CakSNP806	<i>Kabuli</i>	Ca_Kabuli_Chr01	7050825	(G/A)
807	CakSNP807	<i>Kabuli</i>	Ca_Kabuli_Chr01	7050958	(C/T)
808	CakSNP808	<i>Kabuli</i>	Ca_Kabuli_Chr01	7050953	(C/T)
809	CakSNP809	<i>Kabuli</i>	Ca_Kabuli_Chr01	7104985	(G/T)
810	CakSNP810	<i>Kabuli</i>	Ca_Kabuli_Chr01	7127843	(A/G)
811	CakSNP811	<i>Kabuli</i>	Ca_Kabuli_Chr01	7136677	(T/C)
812	CakSNP812	<i>Kabuli</i>	Ca_Kabuli_Chr01	7147651	(T/A)
813	CakSNP813	<i>Kabuli</i>	Ca_Kabuli_Chr01	7147643	(A/G)
814	CakSNP814	<i>Kabuli</i>	Ca_Kabuli_Chr01	7155344	(A/G)
815	CakSNP815	<i>Kabuli</i>	Ca_Kabuli_Chr01	7155302	(A/G)
816	CakSNP816	<i>Kabuli</i>	Ca_Kabuli_Chr01	7156354	(G/T)
817	CakSNP817	<i>Kabuli</i>	Ca_Kabuli_Chr01	7156355	(A/T)
818	CakSNP818	<i>Kabuli</i>	Ca_Kabuli_Chr01	7157057	(A/C)
819	CakSNP819	<i>Kabuli</i>	Ca_Kabuli_Chr01	7157112	(T/C)
820	CakSNP820	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160649	(T/C)
821	CakSNP821	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160648	(A/T)
822	CakSNP822	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160695	(G/A)
823	CakSNP823	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160698	(A/C)
824	CakSNP824	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160754	(A/T)
825	CakSNP825	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160781	(A/C)
826	CakSNP826	<i>Kabuli</i>	Ca_Kabuli_Chr01	7160773	(G/A)
827	CakSNP827	<i>Kabuli</i>	Ca_Kabuli_Chr01	7161122	(A/G)
828	CakSNP828	<i>Kabuli</i>	Ca_Kabuli_Chr01	7184813	(A/C)
829	CakSNP829	<i>Kabuli</i>	Ca_Kabuli_Chr01	7184773	(G/A)
830	CakSNP830	<i>Kabuli</i>	Ca_Kabuli_Chr01	7187934	(A/G)
831	CakSNP831	<i>Kabuli</i>	Ca_Kabuli_Chr01	7187969	(C/G)
832	CakSNP832	<i>Kabuli</i>	Ca_Kabuli_Chr01	7196570	(T/C)
833	CakSNP833	<i>Kabuli</i>	Ca_Kabuli_Chr01	7196601	(T/C)
834	CakSNP834	<i>Kabuli</i>	Ca_Kabuli_Chr01	7231750	(A/C)
835	CakSNP835	<i>Kabuli</i>	Ca_Kabuli_Chr01	7325164	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
836	CakSNP836	<i>Kabuli</i>	Ca_Kabuli_Chr01	7417717	(G/A)
837	CakSNP837	<i>Kabuli</i>	Ca_Kabuli_Chr01	7417699	(G/A)
838	CakSNP838	<i>Kabuli</i>	Ca_Kabuli_Chr01	7417788	(G/A)
839	CakSNP839	<i>Kabuli</i>	Ca_Kabuli_Chr01	7439421	(C/T)
840	CakSNP840	<i>Kabuli</i>	Ca_Kabuli_Chr01	7467280	(A/G)
841	CakSNP841	<i>Kabuli</i>	Ca_Kabuli_Chr01	7478022	(G/A)
842	CakSNP842	<i>Kabuli</i>	Ca_Kabuli_Chr01	7478046	(T/G)
843	CakSNP843	<i>Kabuli</i>	Ca_Kabuli_Chr01	7486102	(C/T)
844	CakSNP844	<i>Kabuli</i>	Ca_Kabuli_Chr01	7486273	(T/C)
845	CakSNP845	<i>Kabuli</i>	Ca_Kabuli_Chr01	7486282	(G/A)
846	CakSNP846	<i>Kabuli</i>	Ca_Kabuli_Chr01	7497334	(C/A)
847	CakSNP847	<i>Kabuli</i>	Ca_Kabuli_Chr01	7497362	(T/C)
848	CakSNP848	<i>Kabuli</i>	Ca_Kabuli_Chr01	7500494	(T/G)
849	CakSNP849	<i>Kabuli</i>	Ca_Kabuli_Chr01	7500524	(T/C)
850	CakSNP850	<i>Kabuli</i>	Ca_Kabuli_Chr01	7500665	(C/A)
851	CakSNP851	<i>Kabuli</i>	Ca_Kabuli_Chr01	7505779	(A/T)
852	CakSNP852	<i>Kabuli</i>	Ca_Kabuli_Chr01	7505792	(A/T)
853	CakSNP853	<i>Kabuli</i>	Ca_Kabuli_Chr01	7515002	(T/C)
854	CakSNP854	<i>Kabuli</i>	Ca_Kabuli_Chr01	7515605	(T/C)
855	CakSNP855	<i>Kabuli</i>	Ca_Kabuli_Chr01	7515578	(A/C)
856	CakSNP856	<i>Kabuli</i>	Ca_Kabuli_Chr01	7557751	(T/G)
857	CakSNP857	<i>Kabuli</i>	Ca_Kabuli_Chr01	7557811	(A/T)
858	CakSNP858	<i>Kabuli</i>	Ca_Kabuli_Chr01	7690613	(T/G)
859	CakSNP859	<i>Kabuli</i>	Ca_Kabuli_Chr01	7690620	(T/G)
860	CakSNP860	<i>Kabuli</i>	Ca_Kabuli_Chr01	7690625	(A/C)
861	CakSNP861	<i>Kabuli</i>	Ca_Kabuli_Chr01	7695844	(T/C)
862	CakSNP862	<i>Kabuli</i>	Ca_Kabuli_Chr01	7811388	(C/T)
863	CakSNP863	<i>Kabuli</i>	Ca_Kabuli_Chr01	7925666	(A/C)
864	CakSNP864	<i>Kabuli</i>	Ca_Kabuli_Chr01	7925801	(C/T)
865	CakSNP865	<i>Kabuli</i>	Ca_Kabuli_Chr01	7925774	(C/T)
866	CakSNP866	<i>Kabuli</i>	Ca_Kabuli_Chr01	7925738	(C/T)
867	CakSNP867	<i>Kabuli</i>	Ca_Kabuli_Chr01	7969202	(A/C)
868	CakSNP868	<i>Kabuli</i>	Ca_Kabuli_Chr01	7969694	(A/G)
869	CakSNP869	<i>Kabuli</i>	Ca_Kabuli_Chr01	7969647	(G/A)
870	CakSNP870	<i>Kabuli</i>	Ca_Kabuli_Chr01	8036666	(C/T)
871	CakSNP871	<i>Kabuli</i>	Ca_Kabuli_Chr01	8036706	(A/G)
872	CakSNP872	<i>Kabuli</i>	Ca_Kabuli_Chr01	8036917	(T/G)
873	CakSNP873	<i>Kabuli</i>	Ca_Kabuli_Chr01	8036903	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
874	CakSNP874	<i>Kabuli</i>	Ca_Kabuli_Chr01	8075631	(A/T)
875	CakSNP875	<i>Kabuli</i>	Ca_Kabuli_Chr01	8103090	(G/T)
876	CakSNP876	<i>Kabuli</i>	Ca_Kabuli_Chr01	8103339	(T/C)
877	CakSNP877	<i>Kabuli</i>	Ca_Kabuli_Chr01	8103401	(T/A)
878	CakSNP878	<i>Kabuli</i>	Ca_Kabuli_Chr01	8107967	(A/C)
879	CakSNP879	<i>Kabuli</i>	Ca_Kabuli_Chr01	8108014	(C/T)
880	CakSNP880	<i>Kabuli</i>	Ca_Kabuli_Chr01	8111588	(G/A)
881	CakSNP881	<i>Kabuli</i>	Ca_Kabuli_Chr01	8112343	(C/T)
882	CakSNP882	<i>Kabuli</i>	Ca_Kabuli_Chr01	8113235	(G/T)
883	CakSNP883	<i>Kabuli</i>	Ca_Kabuli_Chr01	8113383	(T/G)
884	CakSNP884	<i>Kabuli</i>	Ca_Kabuli_Chr01	8113449	(T/A)
885	CakSNP885	<i>Kabuli</i>	Ca_Kabuli_Chr01	8113403	(A/T)
886	CakSNP886	<i>Kabuli</i>	Ca_Kabuli_Chr01	8113398	(C/G)
887	CakSNP887	<i>Kabuli</i>	Ca_Kabuli_Chr01	8123033	(A/G)
888	CakSNP888	<i>Kabuli</i>	Ca_Kabuli_Chr01	8123257	(A/G)
889	CakSNP889	<i>Kabuli</i>	Ca_Kabuli_Chr01	8123481	(A/G)
890	CakSNP890	<i>Kabuli</i>	Ca_Kabuli_Chr01	8134368	(T/C)
891	CakSNP891	<i>Kabuli</i>	Ca_Kabuli_Chr01	8178109	(T/C)
892	CakSNP892	<i>Kabuli</i>	Ca_Kabuli_Chr01	8178146	(G/A)
893	CakSNP893	<i>Kabuli</i>	Ca_Kabuli_Chr01	8192580	(T/C)
894	CakSNP894	<i>Kabuli</i>	Ca_Kabuli_Chr01	8220996	(T/A)
895	CakSNP895	<i>Kabuli</i>	Ca_Kabuli_Chr01	8220968	(A/G)
896	CakSNP896	<i>Kabuli</i>	Ca_Kabuli_Chr01	8343356	(G/A)
897	CakSNP897	<i>Kabuli</i>	Ca_Kabuli_Chr01	8389242	(G/A)
898	CakSNP898	<i>Kabuli</i>	Ca_Kabuli_Chr01	8464621	(C/G)
899	CakSNP899	<i>Kabuli</i>	Ca_Kabuli_Chr01	8582341	(T/C)
900	CakSNP900	<i>Kabuli</i>	Ca_Kabuli_Chr01	8607820	(T/C)
901	CakSNP901	<i>Kabuli</i>	Ca_Kabuli_Chr01	8607919	(A/C)
902	CakSNP902	<i>Kabuli</i>	Ca_Kabuli_Chr01	8633598	(G/A)
903	CakSNP903	<i>Kabuli</i>	Ca_Kabuli_Chr01	8665705	(T/G)
904	CakSNP904	<i>Kabuli</i>	Ca_Kabuli_Chr01	8697177	(G/T)
905	CakSNP905	<i>Kabuli</i>	Ca_Kabuli_Chr01	8698059	(T/C)
906	CakSNP906	<i>Kabuli</i>	Ca_Kabuli_Chr01	8735740	(G/T)
907	CakSNP907	<i>Kabuli</i>	Ca_Kabuli_Chr01	8735727	(G/C)
908	CakSNP908	<i>Kabuli</i>	Ca_Kabuli_Chr01	8736733	(G/A)
909	CakSNP909	<i>Kabuli</i>	Ca_Kabuli_Chr01	8736711	(G/T)
910	CakSNP910	<i>Kabuli</i>	Ca_Kabuli_Chr01	8737380	(A/G)
911	CakSNP911	<i>Kabuli</i>	Ca_Kabuli_Chr01	8738691	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
912	CakSNP912	<i>Kabuli</i>	Ca_Kabuli_Chr01	8738695	(G/C)
913	CakSNP913	<i>Kabuli</i>	Ca_Kabuli_Chr01	8767122	(T/A)
914	CakSNP914	<i>Kabuli</i>	Ca_Kabuli_Chr01	8767121	(A/T)
915	CakSNP915	<i>Kabuli</i>	Ca_Kabuli_Chr01	8799685	(T/G)
916	CakSNP916	<i>Kabuli</i>	Ca_Kabuli_Chr01	8799701	(T/C)
917	CakSNP917	<i>Kabuli</i>	Ca_Kabuli_Chr01	8799708	(T/C)
918	CakSNP918	<i>Kabuli</i>	Ca_Kabuli_Chr01	8799758	(C/G)
919	CakSNP919	<i>Kabuli</i>	Ca_Kabuli_Chr01	8809188	(T/A)
920	CakSNP920	<i>Kabuli</i>	Ca_Kabuli_Chr01	8809191	(C/T)
921	CakSNP921	<i>Kabuli</i>	Ca_Kabuli_Chr01	8809295	(A/T)
922	CakSNP922	<i>Kabuli</i>	Ca_Kabuli_Chr01	8809517	(C/G)
923	CakSNP923	<i>Kabuli</i>	Ca_Kabuli_Chr01	8822121	(G/T)
924	CakSNP924	<i>Kabuli</i>	Ca_Kabuli_Chr01	8822375	(G/A)
925	CakSNP925	<i>Kabuli</i>	Ca_Kabuli_Chr01	8822366	(T/A)
926	CakSNP926	<i>Kabuli</i>	Ca_Kabuli_Chr01	8824856	(T/C)
927	CakSNP927	<i>Kabuli</i>	Ca_Kabuli_Chr01	8852863	(G/T)
928	CakSNP928	<i>Kabuli</i>	Ca_Kabuli_Chr01	8852928	(T/A)
929	CakSNP929	<i>Kabuli</i>	Ca_Kabuli_Chr01	8852981	(C/A)
930	CakSNP930	<i>Kabuli</i>	Ca_Kabuli_Chr01	8852957	(C/A)
931	CakSNP931	<i>Kabuli</i>	Ca_Kabuli_Chr01	8852943	(C/A)
932	CakSNP932	<i>Kabuli</i>	Ca_Kabuli_Chr01	8853010	(A/G)
933	CakSNP933	<i>Kabuli</i>	Ca_Kabuli_Chr01	8854211	(G/T)
934	CakSNP934	<i>Kabuli</i>	Ca_Kabuli_Chr01	8891438	(T/G)
935	CakSNP935	<i>Kabuli</i>	Ca_Kabuli_Chr01	8891485	(T/G)
936	CakSNP936	<i>Kabuli</i>	Ca_Kabuli_Chr01	8891562	(C/G)
937	CakSNP937	<i>Kabuli</i>	Ca_Kabuli_Chr01	8891561	(G/A)
938	CakSNP938	<i>Kabuli</i>	Ca_Kabuli_Chr01	8893985	(G/A)
939	CakSNP939	<i>Kabuli</i>	Ca_Kabuli_Chr01	8901769	(C/A)
940	CakSNP940	<i>Kabuli</i>	Ca_Kabuli_Chr01	8901842	(T/A)
941	CakSNP941	<i>Kabuli</i>	Ca_Kabuli_Chr01	8941004	(A/C)
942	CakSNP942	<i>Kabuli</i>	Ca_Kabuli_Chr01	8941029	(G/A)
943	CakSNP943	<i>Kabuli</i>	Ca_Kabuli_Chr01	8941031	(G/C)
944	CakSNP944	<i>Kabuli</i>	Ca_Kabuli_Chr01	8942137	(T/C)
945	CakSNP945	<i>Kabuli</i>	Ca_Kabuli_Chr01	8942131	(T/C)
946	CakSNP946	<i>Kabuli</i>	Ca_Kabuli_Chr01	8942198	(A/G)
947	CakSNP947	<i>Kabuli</i>	Ca_Kabuli_Chr01	8942179	(C/G)
948	CakSNP948	<i>Kabuli</i>	Ca_Kabuli_Chr01	8949723	(G/T)
949	CakSNP949	<i>Kabuli</i>	Ca_Kabuli_Chr01	8960630	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
950	CakSNP950	<i>Kabuli</i>	Ca_Kabuli_Chr01	8969321	(C/T)
951	CakSNP951	<i>Kabuli</i>	Ca_Kabuli_Chr01	8971718	(C/G)
952	CakSNP952	<i>Kabuli</i>	Ca_Kabuli_Chr01	8971776	(A/G)
953	CakSNP953	<i>Kabuli</i>	Ca_Kabuli_Chr01	8976169	(A/T)
954	CakSNP954	<i>Kabuli</i>	Ca_Kabuli_Chr01	8980112	(C/A)
955	CakSNP955	<i>Kabuli</i>	Ca_Kabuli_Chr01	8993300	(T/C)
956	CakSNP956	<i>Kabuli</i>	Ca_Kabuli_Chr01	8993329	(A/C)
957	CakSNP957	<i>Kabuli</i>	Ca_Kabuli_Chr01	9018113	(A/C)
958	CakSNP958	<i>Kabuli</i>	Ca_Kabuli_Chr01	9031417	(G/T)
959	CakSNP959	<i>Kabuli</i>	Ca_Kabuli_Chr01	9031825	(G/T)
960	CakSNP960	<i>Kabuli</i>	Ca_Kabuli_Chr01	9032126	(G/A)
961	CakSNP961	<i>Kabuli</i>	Ca_Kabuli_Chr01	9035744	(G/A)
962	CakSNP962	<i>Kabuli</i>	Ca_Kabuli_Chr01	9040419	(T/A)
963	CakSNP963	<i>Kabuli</i>	Ca_Kabuli_Chr01	9048675	(A/T)
964	CakSNP964	<i>Kabuli</i>	Ca_Kabuli_Chr01	9048682	(T/G)
965	CakSNP965	<i>Kabuli</i>	Ca_Kabuli_Chr01	9054490	(G/A)
966	CakSNP966	<i>Kabuli</i>	Ca_Kabuli_Chr01	9065933	(T/C)
967	CakSNP967	<i>Kabuli</i>	Ca_Kabuli_Chr01	9093812	(C/G)
968	CakSNP968	<i>Kabuli</i>	Ca_Kabuli_Chr01	9093964	(T/A)
969	CakSNP969	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097885	(A/G)
970	CakSNP970	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097881	(C/G)
971	CakSNP971	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097879	(C/A)
972	CakSNP972	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097878	(A/G)
973	CakSNP973	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097877	(C/A)
974	CakSNP974	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097869	(G/T)
975	CakSNP975	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097947	(C/A)
976	CakSNP976	<i>Kabuli</i>	Ca_Kabuli_Chr01	9097949	(A/C)
977	CakSNP977	<i>Kabuli</i>	Ca_Kabuli_Chr01	9098003	(C/T)
978	CakSNP978	<i>Kabuli</i>	Ca_Kabuli_Chr01	9098051	(A/G)
979	CakSNP979	<i>Kabuli</i>	Ca_Kabuli_Chr01	9105432	(C/T)
980	CakSNP980	<i>Kabuli</i>	Ca_Kabuli_Chr01	9195312	(G/A)
981	CakSNP981	<i>Kabuli</i>	Ca_Kabuli_Chr01	9237766	(T/G)
982	CakSNP982	<i>Kabuli</i>	Ca_Kabuli_Chr01	9237813	(G/T)
983	CakSNP983	<i>Kabuli</i>	Ca_Kabuli_Chr01	9269888	(T/A)
984	CakSNP984	<i>Kabuli</i>	Ca_Kabuli_Chr01	9468041	(C/T)
985	CakSNP985	<i>Kabuli</i>	Ca_Kabuli_Chr01	9468895	(C/A)
986	CakSNP986	<i>Kabuli</i>	Ca_Kabuli_Chr01	9476207	(A/C)
987	CakSNP987	<i>Kabuli</i>	Ca_Kabuli_Chr01	9476388	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
988	CakSNP988	<i>Kabuli</i>	Ca_Kabuli_Chr01	9476385	(A/G)
989	CakSNP989	<i>Kabuli</i>	Ca_Kabuli_Chr01	9535616	(C/T)
990	CakSNP990	<i>Kabuli</i>	Ca_Kabuli_Chr01	9547223	(A/G)
991	CakSNP991	<i>Kabuli</i>	Ca_Kabuli_Chr01	9547310	(A/G)
992	CakSNP992	<i>Kabuli</i>	Ca_Kabuli_Chr01	9547854	(G/A)
993	CakSNP993	<i>Kabuli</i>	Ca_Kabuli_Chr01	9547834	(C/T)
994	CakSNP994	<i>Kabuli</i>	Ca_Kabuli_Chr01	9547819	(T/C)
995	CakSNP995	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556418	(C/G)
996	CakSNP996	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556486	(T/G)
997	CakSNP997	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556487	(T/A)
998	CakSNP998	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556488	(G/A)
999	CakSNP999	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556588	(G/T)
1000	CakSNP1000	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556604	(G/C)
1001	CakSNP1001	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556628	(G/A)
1002	CakSNP1002	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556735	(G/A)
1003	CakSNP1003	<i>Kabuli</i>	Ca_Kabuli_Chr01	9556662	(C/T)
1004	CakSNP1004	<i>Kabuli</i>	Ca_Kabuli_Chr01	9567049	(C/G)
1005	CakSNP1005	<i>Kabuli</i>	Ca_Kabuli_Chr01	9603896	(T/A)
1006	CakSNP1006	<i>Kabuli</i>	Ca_Kabuli_Chr01	9634823	(C/T)
1007	CakSNP1007	<i>Kabuli</i>	Ca_Kabuli_Chr01	9647861	(G/C)
1008	CakSNP1008	<i>Kabuli</i>	Ca_Kabuli_Chr01	9659316	(C/T)
1009	CakSNP1009	<i>Kabuli</i>	Ca_Kabuli_Chr01	9705162	(A/C)
1010	CakSNP1010	<i>Kabuli</i>	Ca_Kabuli_Chr01	9706910	(C/T)
1011	CakSNP1011	<i>Kabuli</i>	Ca_Kabuli_Chr01	9737032	(C/T)
1012	CakSNP1012	<i>Kabuli</i>	Ca_Kabuli_Chr01	9737067	(T/C)
1013	CakSNP1013	<i>Kabuli</i>	Ca_Kabuli_Chr01	9757006	(G/A)
1014	CakSNP1014	<i>Kabuli</i>	Ca_Kabuli_Chr01	9779398	(G/A)
1015	CakSNP1015	<i>Kabuli</i>	Ca_Kabuli_Chr01	9797342	(G/T)
1016	CakSNP1016	<i>Kabuli</i>	Ca_Kabuli_Chr01	9810275	(T/C)
1017	CakSNP1017	<i>Kabuli</i>	Ca_Kabuli_Chr01	9815448	(A/T)
1018	CakSNP1018	<i>Kabuli</i>	Ca_Kabuli_Chr01	9815508	(G/C)
1019	CakSNP1019	<i>Kabuli</i>	Ca_Kabuli_Chr01	9836198	(A/C)
1020	CakSNP1020	<i>Kabuli</i>	Ca_Kabuli_Chr01	9896511	(C/T)
1021	CakSNP1021	<i>Kabuli</i>	Ca_Kabuli_Chr01	9920951	(G/A)
1022	CakSNP1022	<i>Kabuli</i>	Ca_Kabuli_Chr01	9920986	(A/C)
1023	CakSNP1023	<i>Kabuli</i>	Ca_Kabuli_Chr01	9932690	(C/G)
1024	CakSNP1024	<i>Kabuli</i>	Ca_Kabuli_Chr01	10038486	(T/G)
1025	CakSNP1025	<i>Kabuli</i>	Ca_Kabuli_Chr01	10049364	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1026	CakSNP1026	<i>Kabuli</i>	Ca_Kabuli_Chr01	10049469	(A/G)
1027	CakSNP1027	<i>Kabuli</i>	Ca_Kabuli_Chr01	10142688	(A/G)
1028	CakSNP1028	<i>Kabuli</i>	Ca_Kabuli_Chr01	10155496	(T/G)
1029	CakSNP1029	<i>Kabuli</i>	Ca_Kabuli_Chr01	10155584	(T/C)
1030	CakSNP1030	<i>Kabuli</i>	Ca_Kabuli_Chr01	10191578	(A/C)
1031	CakSNP1031	<i>Kabuli</i>	Ca_Kabuli_Chr01	10201074	(C/G)
1032	CakSNP1032	<i>Kabuli</i>	Ca_Kabuli_Chr01	10212925	(G/C)
1033	CakSNP1033	<i>Kabuli</i>	Ca_Kabuli_Chr01	10212926	(A/C)
1034	CakSNP1034	<i>Kabuli</i>	Ca_Kabuli_Chr01	10212948	(T/C)
1035	CakSNP1035	<i>Kabuli</i>	Ca_Kabuli_Chr01	10212976	(T/A)
1036	CakSNP1036	<i>Kabuli</i>	Ca_Kabuli_Chr01	10213111	(T/C)
1037	CakSNP1037	<i>Kabuli</i>	Ca_Kabuli_Chr01	10266774	(C/T)
1038	CakSNP1038	<i>Kabuli</i>	Ca_Kabuli_Chr01	10289781	(G/A)
1039	CakSNP1039	<i>Kabuli</i>	Ca_Kabuli_Chr01	10340870	(G/C)
1040	CakSNP1040	<i>Kabuli</i>	Ca_Kabuli_Chr01	10364986	(C/G)
1041	CakSNP1041	<i>Kabuli</i>	Ca_Kabuli_Chr01	10365024	(G/A)
1042	CakSNP1042	<i>Kabuli</i>	Ca_Kabuli_Chr01	10365029	(T/A)
1043	CakSNP1043	<i>Kabuli</i>	Ca_Kabuli_Chr01	10366383	(G/A)
1044	CakSNP1044	<i>Kabuli</i>	Ca_Kabuli_Chr01	10377700	(G/C)
1045	CakSNP1045	<i>Kabuli</i>	Ca_Kabuli_Chr01	10377698	(T/C)
1046	CakSNP1046	<i>Kabuli</i>	Ca_Kabuli_Chr01	10377691	(T/C)
1047	CakSNP1047	<i>Kabuli</i>	Ca_Kabuli_Chr01	10377860	(T/A)
1048	CakSNP1048	<i>Kabuli</i>	Ca_Kabuli_Chr01	10408322	(A/G)
1049	CakSNP1049	<i>Kabuli</i>	Ca_Kabuli_Chr01	10408349	(G/T)
1050	CakSNP1050	<i>Kabuli</i>	Ca_Kabuli_Chr01	10410479	(T/C)
1051	CakSNP1051	<i>Kabuli</i>	Ca_Kabuli_Chr01	10439153	(C/G)
1052	CakSNP1052	<i>Kabuli</i>	Ca_Kabuli_Chr01	10439177	(T/C)
1053	CakSNP1053	<i>Kabuli</i>	Ca_Kabuli_Chr01	10439190	(C/A)
1054	CakSNP1054	<i>Kabuli</i>	Ca_Kabuli_Chr01	10440393	(C/T)
1055	CakSNP1055	<i>Kabuli</i>	Ca_Kabuli_Chr01	10440430	(G/T)
1056	CakSNP1056	<i>Kabuli</i>	Ca_Kabuli_Chr01	10440533	(C/A)
1057	CakSNP1057	<i>Kabuli</i>	Ca_Kabuli_Chr01	10440479	(C/T)
1058	CakSNP1058	<i>Kabuli</i>	Ca_Kabuli_Chr01	10489197	(A/G)
1059	CakSNP1059	<i>Kabuli</i>	Ca_Kabuli_Chr01	10527733	(A/G)
1060	CakSNP1060	<i>Kabuli</i>	Ca_Kabuli_Chr01	10551440	(T/C)
1061	CakSNP1061	<i>Kabuli</i>	Ca_Kabuli_Chr01	10556610	(T/G)
1062	CakSNP1062	<i>Kabuli</i>	Ca_Kabuli_Chr01	10560693	(A/G)
1063	CakSNP1063	<i>Kabuli</i>	Ca_Kabuli_Chr01	10560690	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1064	CakSNP1064	<i>Kabuli</i>	Ca_Kabuli_Chr01	10567303	(A/C)
1065	CakSNP1065	<i>Kabuli</i>	Ca_Kabuli_Chr01	10571949	(G/A)
1066	CakSNP1066	<i>Kabuli</i>	Ca_Kabuli_Chr01	10601318	(T/G)
1067	CakSNP1067	<i>Kabuli</i>	Ca_Kabuli_Chr01	10605977	(G/A)
1068	CakSNP1068	<i>Kabuli</i>	Ca_Kabuli_Chr01	10623359	(T/G)
1069	CakSNP1069	<i>Kabuli</i>	Ca_Kabuli_Chr01	10630658	(A/T)
1070	CakSNP1070	<i>Kabuli</i>	Ca_Kabuli_Chr01	10649758	(C/T)
1071	CakSNP1071	<i>Kabuli</i>	Ca_Kabuli_Chr01	10655633	(G/T)
1072	CakSNP1072	<i>Kabuli</i>	Ca_Kabuli_Chr01	10657464	(T/A)
1073	CakSNP1073	<i>Kabuli</i>	Ca_Kabuli_Chr01	10697972	(C/G)
1074	CakSNP1074	<i>Kabuli</i>	Ca_Kabuli_Chr01	10710672	(T/G)
1075	CakSNP1075	<i>Kabuli</i>	Ca_Kabuli_Chr01	10712235	(G/A)
1076	CakSNP1076	<i>Kabuli</i>	Ca_Kabuli_Chr01	10713001	(T/A)
1077	CakSNP1077	<i>Kabuli</i>	Ca_Kabuli_Chr01	10734511	(G/A)
1078	CakSNP1078	<i>Kabuli</i>	Ca_Kabuli_Chr01	10734570	(G/A)
1079	CakSNP1079	<i>Kabuli</i>	Ca_Kabuli_Chr01	10739374	(T/A)
1080	CakSNP1080	<i>Kabuli</i>	Ca_Kabuli_Chr01	10761609	(G/T)
1081	CakSNP1081	<i>Kabuli</i>	Ca_Kabuli_Chr01	10761648	(C/T)
1082	CakSNP1082	<i>Kabuli</i>	Ca_Kabuli_Chr01	10814166	(T/C)
1083	CakSNP1083	<i>Kabuli</i>	Ca_Kabuli_Chr01	10837203	(C/T)
1084	CakSNP1084	<i>Kabuli</i>	Ca_Kabuli_Chr01	10861334	(A/G)
1085	CakSNP1085	<i>Kabuli</i>	Ca_Kabuli_Chr01	10861332	(C/G)
1086	CakSNP1086	<i>Kabuli</i>	Ca_Kabuli_Chr01	10861326	(T/G)
1087	CakSNP1087	<i>Kabuli</i>	Ca_Kabuli_Chr01	10869338	(A/T)
1088	CakSNP1088	<i>Kabuli</i>	Ca_Kabuli_Chr01	10869336	(G/A)
1089	CakSNP1089	<i>Kabuli</i>	Ca_Kabuli_Chr01	10887927	(C/A)
1090	CakSNP1090	<i>Kabuli</i>	Ca_Kabuli_Chr01	10939428	(T/C)
1091	CakSNP1091	<i>Kabuli</i>	Ca_Kabuli_Chr01	10973356	(C/T)
1092	CakSNP1092	<i>Kabuli</i>	Ca_Kabuli_Chr01	11065411	(T/A)
1093	CakSNP1093	<i>Kabuli</i>	Ca_Kabuli_Chr01	11103176	(T/C)
1094	CakSNP1094	<i>Kabuli</i>	Ca_Kabuli_Chr01	11121162	(G/A)
1095	CakSNP1095	<i>Kabuli</i>	Ca_Kabuli_Chr01	11122665	(G/T)
1096	CakSNP1096	<i>Kabuli</i>	Ca_Kabuli_Chr01	11191023	(G/A)
1097	CakSNP1097	<i>Kabuli</i>	Ca_Kabuli_Chr01	11193334	(G/C)
1098	CakSNP1098	<i>Kabuli</i>	Ca_Kabuli_Chr01	11225828	(T/C)
1099	CakSNP1099	<i>Kabuli</i>	Ca_Kabuli_Chr01	11227614	(T/C)
1100	CakSNP1100	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230086	(A/G)
1101	CakSNP1101	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230109	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1102	CakSNP1102	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230115	(G/C)
1103	CakSNP1103	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230116	(T/C)
1104	CakSNP1104	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230118	(A/T)
1105	CakSNP1105	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230125	(A/C)
1106	CakSNP1106	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230126	(G/T)
1107	CakSNP1107	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230127	(G/T)
1108	CakSNP1108	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230128	(T/G)
1109	CakSNP1109	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230133	(G/A)
1110	CakSNP1110	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230972	(C/T)
1111	CakSNP1111	<i>Kabuli</i>	Ca_Kabuli_Chr01	11230998	(A/T)
1112	CakSNP1112	<i>Kabuli</i>	Ca_Kabuli_Chr01	11231052	(A/G)
1113	CakSNP1113	<i>Kabuli</i>	Ca_Kabuli_Chr01	11231064	(A/G)
1114	CakSNP1114	<i>Kabuli</i>	Ca_Kabuli_Chr01	11231077	(T/C)
1115	CakSNP1115	<i>Kabuli</i>	Ca_Kabuli_Chr01	11235211	(C/T)
1116	CakSNP1116	<i>Kabuli</i>	Ca_Kabuli_Chr01	11265367	(T/C)
1117	CakSNP1117	<i>Kabuli</i>	Ca_Kabuli_Chr01	11277703	(T/A)
1118	CakSNP1118	<i>Kabuli</i>	Ca_Kabuli_Chr01	11277964	(C/T)
1119	CakSNP1119	<i>Kabuli</i>	Ca_Kabuli_Chr01	11284183	(T/C)
1120	CakSNP1120	<i>Kabuli</i>	Ca_Kabuli_Chr01	11285192	(G/A)
1121	CakSNP1121	<i>Kabuli</i>	Ca_Kabuli_Chr01	11285247	(T/C)
1122	CakSNP1122	<i>Kabuli</i>	Ca_Kabuli_Chr01	11285291	(C/A)
1123	CakSNP1123	<i>Kabuli</i>	Ca_Kabuli_Chr01	11291516	(G/A)
1124	CakSNP1124	<i>Kabuli</i>	Ca_Kabuli_Chr01	11291741	(A/C)
1125	CakSNP1125	<i>Kabuli</i>	Ca_Kabuli_Chr01	11291740	(T/A)
1126	CakSNP1126	<i>Kabuli</i>	Ca_Kabuli_Chr01	11291737	(C/A)
1127	CakSNP1127	<i>Kabuli</i>	Ca_Kabuli_Chr01	11319264	(A/C)
1128	CakSNP1128	<i>Kabuli</i>	Ca_Kabuli_Chr01	11321670	(G/C)
1129	CakSNP1129	<i>Kabuli</i>	Ca_Kabuli_Chr01	11324018	(C/A)
1130	CakSNP1130	<i>Kabuli</i>	Ca_Kabuli_Chr01	11324023	(C/T)
1131	CakSNP1131	<i>Kabuli</i>	Ca_Kabuli_Chr01	11324035	(C/T)
1132	CakSNP1132	<i>Kabuli</i>	Ca_Kabuli_Chr01	11324050	(G/T)
1133	CakSNP1133	<i>Kabuli</i>	Ca_Kabuli_Chr01	11342388	(T/C)
1134	CakSNP1134	<i>Kabuli</i>	Ca_Kabuli_Chr01	11361646	(G/A)
1135	CakSNP1135	<i>Kabuli</i>	Ca_Kabuli_Chr01	11361588	(T/G)
1136	CakSNP1136	<i>Kabuli</i>	Ca_Kabuli_Chr01	11361583	(T/C)
1137	CakSNP1137	<i>Kabuli</i>	Ca_Kabuli_Chr01	11374707	(G/A)
1138	CakSNP1138	<i>Kabuli</i>	Ca_Kabuli_Chr01	11405015	(A/G)
1139	CakSNP1139	<i>Kabuli</i>	Ca_Kabuli_Chr01	11405118	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1140	CakSNP1140	<i>Kabuli</i>	Ca_Kabuli_Chr01	11423677	(C/A)
1141	CakSNP1141	<i>Kabuli</i>	Ca_Kabuli_Chr01	11487689	(A/G)
1142	CakSNP1142	<i>Kabuli</i>	Ca_Kabuli_Chr01	11487630	(C/A)
1143	CakSNP1143	<i>Kabuli</i>	Ca_Kabuli_Chr01	11487752	(G/T)
1144	CakSNP1144	<i>Kabuli</i>	Ca_Kabuli_Chr01	11502148	(C/A)
1145	CakSNP1145	<i>Kabuli</i>	Ca_Kabuli_Chr01	11514888	(T/A)
1146	CakSNP1146	<i>Kabuli</i>	Ca_Kabuli_Chr01	11514898	(T/C)
1147	CakSNP1147	<i>Kabuli</i>	Ca_Kabuli_Chr01	11514903	(A/G)
1148	CakSNP1148	<i>Kabuli</i>	Ca_Kabuli_Chr01	11515055	(G/A)
1149	CakSNP1149	<i>Kabuli</i>	Ca_Kabuli_Chr01	11515130	(T/G)
1150	CakSNP1150	<i>Kabuli</i>	Ca_Kabuli_Chr01	11522656	(G/T)
1151	CakSNP1151	<i>Kabuli</i>	Ca_Kabuli_Chr01	11522743	(T/C)
1152	CakSNP1152	<i>Kabuli</i>	Ca_Kabuli_Chr01	11522875	(C/T)
1153	CakSNP1153	<i>Kabuli</i>	Ca_Kabuli_Chr01	11601347	(T/C)
1154	CakSNP1154	<i>Kabuli</i>	Ca_Kabuli_Chr01	11624419	(C/G)
1155	CakSNP1155	<i>Kabuli</i>	Ca_Kabuli_Chr01	11624464	(C/T)
1156	CakSNP1156	<i>Kabuli</i>	Ca_Kabuli_Chr01	11669794	(T/G)
1157	CakSNP1157	<i>Kabuli</i>	Ca_Kabuli_Chr01	11673478	(A/C)
1158	CakSNP1158	<i>Kabuli</i>	Ca_Kabuli_Chr01	11677097	(C/A)
1159	CakSNP1159	<i>Kabuli</i>	Ca_Kabuli_Chr01	11685769	(A/G)
1160	CakSNP1160	<i>Kabuli</i>	Ca_Kabuli_Chr01	11685790	(T/C)
1161	CakSNP1161	<i>Kabuli</i>	Ca_Kabuli_Chr01	11706451	(C/T)
1162	CakSNP1162	<i>Kabuli</i>	Ca_Kabuli_Chr01	11706494	(G/C)
1163	CakSNP1163	<i>Kabuli</i>	Ca_Kabuli_Chr01	11706583	(A/C)
1164	CakSNP1164	<i>Kabuli</i>	Ca_Kabuli_Chr01	11706545	(C/G)
1165	CakSNP1165	<i>Kabuli</i>	Ca_Kabuli_Chr01	11741448	(T/A)
1166	CakSNP1166	<i>Kabuli</i>	Ca_Kabuli_Chr01	11793443	(C/A)
1167	CakSNP1167	<i>Kabuli</i>	Ca_Kabuli_Chr01	11822248	(A/T)
1168	CakSNP1168	<i>Kabuli</i>	Ca_Kabuli_Chr01	11822305	(G/T)
1169	CakSNP1169	<i>Kabuli</i>	Ca_Kabuli_Chr01	11822309	(C/A)
1170	CakSNP1170	<i>Kabuli</i>	Ca_Kabuli_Chr01	11870401	(A/G)
1171	CakSNP1171	<i>Kabuli</i>	Ca_Kabuli_Chr01	11935333	(A/T)
1172	CakSNP1172	<i>Kabuli</i>	Ca_Kabuli_Chr01	11955896	(G/T)
1173	CakSNP1173	<i>Kabuli</i>	Ca_Kabuli_Chr01	11955866	(G/A)
1174	CakSNP1174	<i>Kabuli</i>	Ca_Kabuli_Chr01	11955853	(A/T)
1175	CakSNP1175	<i>Kabuli</i>	Ca_Kabuli_Chr01	12054809	(C/T)
1176	CakSNP1176	<i>Kabuli</i>	Ca_Kabuli_Chr01	12189822	(T/G)
1177	CakSNP1177	<i>Kabuli</i>	Ca_Kabuli_Chr01	12189825	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1178	CakSNP1178	<i>Kabuli</i>	Ca_Kabuli_Chr01	12193933	(T/G)
1179	CakSNP1179	<i>Kabuli</i>	Ca_Kabuli_Chr01	12199691	(C/G)
1180	CakSNP1180	<i>Kabuli</i>	Ca_Kabuli_Chr01	12236387	(T/A)
1181	CakSNP1181	<i>Kabuli</i>	Ca_Kabuli_Chr01	12264697	(T/G)
1182	CakSNP1182	<i>Kabuli</i>	Ca_Kabuli_Chr01	12326230	(A/G)
1183	CakSNP1183	<i>Kabuli</i>	Ca_Kabuli_Chr01	12326234	(T/A)
1184	CakSNP1184	<i>Kabuli</i>	Ca_Kabuli_Chr01	12326318	(C/G)
1185	CakSNP1185	<i>Kabuli</i>	Ca_Kabuli_Chr01	12334259	(C/T)
1186	CakSNP1186	<i>Kabuli</i>	Ca_Kabuli_Chr01	12340884	(C/T)
1187	CakSNP1187	<i>Kabuli</i>	Ca_Kabuli_Chr01	12390756	(G/T)
1188	CakSNP1188	<i>Kabuli</i>	Ca_Kabuli_Chr01	12390750	(T/C)
1189	CakSNP1189	<i>Kabuli</i>	Ca_Kabuli_Chr01	12391116	(G/C)
1190	CakSNP1190	<i>Kabuli</i>	Ca_Kabuli_Chr01	12391074	(G/A)
1191	CakSNP1191	<i>Kabuli</i>	Ca_Kabuli_Chr01	12391067	(C/A)
1192	CakSNP1192	<i>Kabuli</i>	Ca_Kabuli_Chr01	12413012	(G/T)
1193	CakSNP1193	<i>Kabuli</i>	Ca_Kabuli_Chr01	12413016	(T/A)
1194	CakSNP1194	<i>Kabuli</i>	Ca_Kabuli_Chr01	12413025	(G/C)
1195	CakSNP1195	<i>Kabuli</i>	Ca_Kabuli_Chr01	12413116	(G/A)
1196	CakSNP1196	<i>Kabuli</i>	Ca_Kabuli_Chr01	12414040	(G/A)
1197	CakSNP1197	<i>Kabuli</i>	Ca_Kabuli_Chr01	12481879	(C/A)
1198	CakSNP1198	<i>Kabuli</i>	Ca_Kabuli_Chr01	12525445	(A/G)
1199	CakSNP1199	<i>Kabuli</i>	Ca_Kabuli_Chr01	12525640	(G/C)
1200	CakSNP1200	<i>Kabuli</i>	Ca_Kabuli_Chr01	12566565	(C/T)
1201	CakSNP1201	<i>Kabuli</i>	Ca_Kabuli_Chr01	12566579	(C/T)
1202	CakSNP1202	<i>Kabuli</i>	Ca_Kabuli_Chr01	12566607	(T/C)
1203	CakSNP1203	<i>Kabuli</i>	Ca_Kabuli_Chr01	12566615	(C/T)
1204	CakSNP1204	<i>Kabuli</i>	Ca_Kabuli_Chr01	12566641	(T/C)
1205	CakSNP1205	<i>Kabuli</i>	Ca_Kabuli_Chr01	12588525	(A/G)
1206	CakSNP1206	<i>Kabuli</i>	Ca_Kabuli_Chr01	12597939	(A/T)
1207	CakSNP1207	<i>Kabuli</i>	Ca_Kabuli_Chr01	12639552	(T/A)
1208	CakSNP1208	<i>Kabuli</i>	Ca_Kabuli_Chr01	12639584	(T/C)
1209	CakSNP1209	<i>Kabuli</i>	Ca_Kabuli_Chr01	12687506	(C/T)
1210	CakSNP1210	<i>Kabuli</i>	Ca_Kabuli_Chr01	12688424	(A/G)
1211	CakSNP1211	<i>Kabuli</i>	Ca_Kabuli_Chr01	12688435	(A/C)
1212	CakSNP1212	<i>Kabuli</i>	Ca_Kabuli_Chr01	12704406	(G/T)
1213	CakSNP1213	<i>Kabuli</i>	Ca_Kabuli_Chr01	12705665	(C/T)
1214	CakSNP1214	<i>Kabuli</i>	Ca_Kabuli_Chr01	12705731	(G/A)
1215	CakSNP1215	<i>Kabuli</i>	Ca_Kabuli_Chr01	12715427	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1216	CakSNP1216	<i>Kabuli</i>	Ca_Kabuli_Chr01	12719734	(T/A)
1217	CakSNP1217	<i>Kabuli</i>	Ca_Kabuli_Chr01	12719735	(G/T)
1218	CakSNP1218	<i>Kabuli</i>	Ca_Kabuli_Chr01	12719752	(G/C)
1219	CakSNP1219	<i>Kabuli</i>	Ca_Kabuli_Chr01	12736298	(A/G)
1220	CakSNP1220	<i>Kabuli</i>	Ca_Kabuli_Chr01	12736353	(A/C)
1221	CakSNP1221	<i>Kabuli</i>	Ca_Kabuli_Chr01	12736622	(T/G)
1222	CakSNP1222	<i>Kabuli</i>	Ca_Kabuli_Chr01	12738564	(C/T)
1223	CakSNP1223	<i>Kabuli</i>	Ca_Kabuli_Chr01	12754422	(G/T)
1224	CakSNP1224	<i>Kabuli</i>	Ca_Kabuli_Chr01	12794075	(C/A)
1225	CakSNP1225	<i>Kabuli</i>	Ca_Kabuli_Chr01	12794147	(G/T)
1226	CakSNP1226	<i>Kabuli</i>	Ca_Kabuli_Chr01	12794251	(A/C)
1227	CakSNP1227	<i>Kabuli</i>	Ca_Kabuli_Chr01	12800638	(T/C)
1228	CakSNP1228	<i>Kabuli</i>	Ca_Kabuli_Chr01	12800610	(A/C)
1229	CakSNP1229	<i>Kabuli</i>	Ca_Kabuli_Chr01	12800607	(T/A)
1230	CakSNP1230	<i>Kabuli</i>	Ca_Kabuli_Chr01	12800601	(T/A)
1231	CakSNP1231	<i>Kabuli</i>	Ca_Kabuli_Chr01	12800597	(G/T)
1232	CakSNP1232	<i>Kabuli</i>	Ca_Kabuli_Chr01	12831717	(G/T)
1233	CakSNP1233	<i>Kabuli</i>	Ca_Kabuli_Chr01	12845445	(A/C)
1234	CakSNP1234	<i>Kabuli</i>	Ca_Kabuli_Chr01	12875506	(G/A)
1235	CakSNP1235	<i>Kabuli</i>	Ca_Kabuli_Chr01	12880408	(G/A)
1236	CakSNP1236	<i>Kabuli</i>	Ca_Kabuli_Chr01	12912621	(C/T)
1237	CakSNP1237	<i>Kabuli</i>	Ca_Kabuli_Chr01	12912625	(T/C)
1238	CakSNP1238	<i>Kabuli</i>	Ca_Kabuli_Chr01	12912670	(C/T)
1239	CakSNP1239	<i>Kabuli</i>	Ca_Kabuli_Chr01	12947377	(C/T)
1240	CakSNP1240	<i>Kabuli</i>	Ca_Kabuli_Chr01	12947376	(C/T)
1241	CakSNP1241	<i>Kabuli</i>	Ca_Kabuli_Chr01	12947358	(A/T)
1242	CakSNP1242	<i>Kabuli</i>	Ca_Kabuli_Chr01	12947347	(A/G)
1243	CakSNP1243	<i>Kabuli</i>	Ca_Kabuli_Chr01	12992445	(A/C)
1244	CakSNP1244	<i>Kabuli</i>	Ca_Kabuli_Chr01	12992423	(A/C)
1245	CakSNP1245	<i>Kabuli</i>	Ca_Kabuli_Chr01	12992569	(A/G)
1246	CakSNP1246	<i>Kabuli</i>	Ca_Kabuli_Chr01	13028543	(T/C)
1247	CakSNP1247	<i>Kabuli</i>	Ca_Kabuli_Chr01	13028517	(G/A)
1248	CakSNP1248	<i>Kabuli</i>	Ca_Kabuli_Chr01	13028505	(A/G)
1249	CakSNP1249	<i>Kabuli</i>	Ca_Kabuli_Chr01	13034708	(T/G)
1250	CakSNP1250	<i>Kabuli</i>	Ca_Kabuli_Chr01	13034810	(G/A)
1251	CakSNP1251	<i>Kabuli</i>	Ca_Kabuli_Chr01	13040664	(T/C)
1252	CakSNP1252	<i>Kabuli</i>	Ca_Kabuli_Chr01	13066954	(C/T)
1253	CakSNP1253	<i>Kabuli</i>	Ca_Kabuli_Chr01	13066968	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1254	CakSNP1254	<i>Kabuli</i>	Ca_Kabuli_Chr01	13076647	(T/A)
1255	CakSNP1255	<i>Kabuli</i>	Ca_Kabuli_Chr01	13076695	(G/A)
1256	CakSNP1256	<i>Kabuli</i>	Ca_Kabuli_Chr01	13156473	(A/C)
1257	CakSNP1257	<i>Kabuli</i>	Ca_Kabuli_Chr01	13158244	(C/T)
1258	CakSNP1258	<i>Kabuli</i>	Ca_Kabuli_Chr01	13158201	(C/T)
1259	CakSNP1259	<i>Kabuli</i>	Ca_Kabuli_Chr01	13158192	(T/C)
1260	CakSNP1260	<i>Kabuli</i>	Ca_Kabuli_Chr01	13199761	(T/A)
1261	CakSNP1261	<i>Kabuli</i>	Ca_Kabuli_Chr01	13202986	(T/G)
1262	CakSNP1262	<i>Kabuli</i>	Ca_Kabuli_Chr01	13202991	(T/G)
1263	CakSNP1263	<i>Kabuli</i>	Ca_Kabuli_Chr01	13216776	(G/T)
1264	CakSNP1264	<i>Kabuli</i>	Ca_Kabuli_Chr01	13216741	(T/A)
1265	CakSNP1265	<i>Kabuli</i>	Ca_Kabuli_Chr01	13216710	(G/A)
1266	CakSNP1266	<i>Kabuli</i>	Ca_Kabuli_Chr01	13267896	(T/C)
1267	CakSNP1267	<i>Kabuli</i>	Ca_Kabuli_Chr01	13282556	(A/G)
1268	CakSNP1268	<i>Kabuli</i>	Ca_Kabuli_Chr01	13282552	(T/C)
1269	CakSNP1269	<i>Kabuli</i>	Ca_Kabuli_Chr01	13316992	(C/A)
1270	CakSNP1270	<i>Kabuli</i>	Ca_Kabuli_Chr01	13331955	(T/A)
1271	CakSNP1271	<i>Kabuli</i>	Ca_Kabuli_Chr01	13331941	(C/T)
1272	CakSNP1272	<i>Kabuli</i>	Ca_Kabuli_Chr01	13332015	(C/A)
1273	CakSNP1273	<i>Kabuli</i>	Ca_Kabuli_Chr01	13332025	(T/G)
1274	CakSNP1274	<i>Kabuli</i>	Ca_Kabuli_Chr01	13365594	(T/A)
1275	CakSNP1275	<i>Kabuli</i>	Ca_Kabuli_Chr01	13365625	(C/G)
1276	CakSNP1276	<i>Kabuli</i>	Ca_Kabuli_Chr01	13368341	(G/A)
1277	CakSNP1277	<i>Kabuli</i>	Ca_Kabuli_Chr01	13368556	(T/A)
1278	CakSNP1278	<i>Kabuli</i>	Ca_Kabuli_Chr01	13369730	(G/A)
1279	CakSNP1279	<i>Kabuli</i>	Ca_Kabuli_Chr01	13369986	(C/A)
1280	CakSNP1280	<i>Kabuli</i>	Ca_Kabuli_Chr01	13497572	(G/T)
1281	CakSNP1281	<i>Kabuli</i>	Ca_Kabuli_Chr01	13549635	(T/C)
1282	CakSNP1282	<i>Kabuli</i>	Ca_Kabuli_Chr01	13550600	(G/A)
1283	CakSNP1283	<i>Kabuli</i>	Ca_Kabuli_Chr01	13560364	(T/G)
1284	CakSNP1284	<i>Kabuli</i>	Ca_Kabuli_Chr01	13590903	(G/T)
1285	CakSNP1285	<i>Kabuli</i>	Ca_Kabuli_Chr01	13591177	(G/A)
1286	CakSNP1286	<i>Kabuli</i>	Ca_Kabuli_Chr01	13591203	(C/G)
1287	CakSNP1287	<i>Kabuli</i>	Ca_Kabuli_Chr01	13591314	(C/T)
1288	CakSNP1288	<i>Kabuli</i>	Ca_Kabuli_Chr01	13593931	(T/A)
1289	CakSNP1289	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596411	(G/T)
1290	CakSNP1290	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596528	(T/A)
1291	CakSNP1291	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596539	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1292	CakSNP1292	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596666	(T/A)
1293	CakSNP1293	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596659	(T/A)
1294	CakSNP1294	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596631	(C/T)
1295	CakSNP1295	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596621	(C/T)
1296	CakSNP1296	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596741	(C/T)
1297	CakSNP1297	<i>Kabuli</i>	Ca_Kabuli_Chr01	13596771	(C/A)
1298	CakSNP1298	<i>Kabuli</i>	Ca_Kabuli_Chr01	13607486	(A/C)
1299	CakSNP1299	<i>Kabuli</i>	Ca_Kabuli_Chr01	13608414	(T/C)
1300	CakSNP1300	<i>Kabuli</i>	Ca_Kabuli_Chr01	13637705	(G/T)
1301	CakSNP1301	<i>Kabuli</i>	Ca_Kabuli_Chr01	13637688	(A/G)
1302	CakSNP1302	<i>Kabuli</i>	Ca_Kabuli_Chr01	13637687	(C/T)
1303	CakSNP1303	<i>Kabuli</i>	Ca_Kabuli_Chr01	13637684	(C/T)
1304	CakSNP1304	<i>Kabuli</i>	Ca_Kabuli_Chr01	13639157	(T/C)
1305	CakSNP1305	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641517	(A/G)
1306	CakSNP1306	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641644	(G/A)
1307	CakSNP1307	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641615	(A/G)
1308	CakSNP1308	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641608	(G/T)
1309	CakSNP1309	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641574	(A/C)
1310	CakSNP1310	<i>Kabuli</i>	Ca_Kabuli_Chr01	13641564	(G/A)
1311	CakSNP1311	<i>Kabuli</i>	Ca_Kabuli_Chr01	13668759	(T/A)
1312	CakSNP1312	<i>Kabuli</i>	Ca_Kabuli_Chr01	13680002	(G/T)
1313	CakSNP1313	<i>Kabuli</i>	Ca_Kabuli_Chr01	13680008	(G/C)
1314	CakSNP1314	<i>Kabuli</i>	Ca_Kabuli_Chr01	13762410	(C/A)
1315	CakSNP1315	<i>Kabuli</i>	Ca_Kabuli_Chr01	13769805	(C/T)
1316	CakSNP1316	<i>Kabuli</i>	Ca_Kabuli_Chr01	13769771	(T/C)
1317	CakSNP1317	<i>Kabuli</i>	Ca_Kabuli_Chr01	13782049	(C/T)
1318	CakSNP1318	<i>Kabuli</i>	Ca_Kabuli_Chr01	13814790	(T/C)
1319	CakSNP1319	<i>Kabuli</i>	Ca_Kabuli_Chr01	13828703	(C/T)
1320	CakSNP1320	<i>Kabuli</i>	Ca_Kabuli_Chr01	13828659	(G/A)
1321	CakSNP1321	<i>Kabuli</i>	Ca_Kabuli_Chr01	13828657	(G/A)
1322	CakSNP1322	<i>Kabuli</i>	Ca_Kabuli_Chr01	13828744	(A/T)
1323	CakSNP1323	<i>Kabuli</i>	Ca_Kabuli_Chr01	13991356	(T/G)
1324	CakSNP1324	<i>Kabuli</i>	Ca_Kabuli_Chr01	14014566	(C/A)
1325	CakSNP1325	<i>Kabuli</i>	Ca_Kabuli_Chr01	14015757	(T/C)
1326	CakSNP1326	<i>Kabuli</i>	Ca_Kabuli_Chr01	14015781	(G/C)
1327	CakSNP1327	<i>Kabuli</i>	Ca_Kabuli_Chr01	14015818	(C/T)
1328	CakSNP1328	<i>Kabuli</i>	Ca_Kabuli_Chr01	14022892	(C/A)
1329	CakSNP1329	<i>Kabuli</i>	Ca_Kabuli_Chr01	14022890	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1330	CakSNP1330	<i>Kabuli</i>	Ca_Kabuli_Chr01	14023097	(A/C)
1331	CakSNP1331	<i>Kabuli</i>	Ca_Kabuli_Chr01	14023095	(T/A)
1332	CakSNP1332	<i>Kabuli</i>	Ca_Kabuli_Chr01	14023078	(T/A)
1333	CakSNP1333	<i>Kabuli</i>	Ca_Kabuli_Chr01	14025015	(G/A)
1334	CakSNP1334	<i>Kabuli</i>	Ca_Kabuli_Chr01	14025075	(A/G)
1335	CakSNP1335	<i>Kabuli</i>	Ca_Kabuli_Chr01	14026347	(C/G)
1336	CakSNP1336	<i>Kabuli</i>	Ca_Kabuli_Chr01	14026391	(T/C)
1337	CakSNP1337	<i>Kabuli</i>	Ca_Kabuli_Chr01	14026467	(C/T)
1338	CakSNP1338	<i>Kabuli</i>	Ca_Kabuli_Chr01	14026444	(G/T)
1339	CakSNP1339	<i>Kabuli</i>	Ca_Kabuli_Chr01	14026437	(C/A)
1340	CakSNP1340	<i>Kabuli</i>	Ca_Kabuli_Chr01	14033226	(C/T)
1341	CakSNP1341	<i>Kabuli</i>	Ca_Kabuli_Chr01	14033285	(C/T)
1342	CakSNP1342	<i>Kabuli</i>	Ca_Kabuli_Chr01	14033277	(G/C)
1343	CakSNP1343	<i>Kabuli</i>	Ca_Kabuli_Chr01	14033951	(G/A)
1344	CakSNP1344	<i>Kabuli</i>	Ca_Kabuli_Chr01	14034011	(A/G)
1345	CakSNP1345	<i>Kabuli</i>	Ca_Kabuli_Chr01	14045110	(T/C)
1346	CakSNP1346	<i>Kabuli</i>	Ca_Kabuli_Chr01	14045239	(A/G)
1347	CakSNP1347	<i>Kabuli</i>	Ca_Kabuli_Chr01	14076924	(T/C)
1348	CakSNP1348	<i>Kabuli</i>	Ca_Kabuli_Chr01	14101608	(C/T)
1349	CakSNP1349	<i>Kabuli</i>	Ca_Kabuli_Chr01	14101621	(T/C)
1350	CakSNP1350	<i>Kabuli</i>	Ca_Kabuli_Chr01	14101624	(C/T)
1351	CakSNP1351	<i>Kabuli</i>	Ca_Kabuli_Chr01	14101644	(A/G)
1352	CakSNP1352	<i>Kabuli</i>	Ca_Kabuli_Chr01	14163638	(C/T)
1353	CakSNP1353	<i>Kabuli</i>	Ca_Kabuli_Chr01	14163721	(T/C)
1354	CakSNP1354	<i>Kabuli</i>	Ca_Kabuli_Chr01	14163836	(A/C)
1355	CakSNP1355	<i>Kabuli</i>	Ca_Kabuli_Chr01	14225210	(G/T)
1356	CakSNP1356	<i>Kabuli</i>	Ca_Kabuli_Chr01	14237163	(T/G)
1357	CakSNP1357	<i>Kabuli</i>	Ca_Kabuli_Chr01	14237164	(T/A)
1358	CakSNP1358	<i>Kabuli</i>	Ca_Kabuli_Chr01	14237273	(A/T)
1359	CakSNP1359	<i>Kabuli</i>	Ca_Kabuli_Chr01	14240571	(C/T)
1360	CakSNP1360	<i>Kabuli</i>	Ca_Kabuli_Chr01	14259435	(G/C)
1361	CakSNP1361	<i>Kabuli</i>	Ca_Kabuli_Chr01	14259455	(A/G)
1362	CakSNP1362	<i>Kabuli</i>	Ca_Kabuli_Chr01	14281643	(T/C)
1363	CakSNP1363	<i>Kabuli</i>	Ca_Kabuli_Chr01	14348207	(C/T)
1364	CakSNP1364	<i>Kabuli</i>	Ca_Kabuli_Chr01	14393255	(A/G)
1365	CakSNP1365	<i>Kabuli</i>	Ca_Kabuli_Chr01	14393313	(C/A)
1366	CakSNP1366	<i>Kabuli</i>	Ca_Kabuli_Chr01	14459908	(T/C)
1367	CakSNP1367	<i>Kabuli</i>	Ca_Kabuli_Chr01	14576525	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1368	CakSNP1368	<i>Kabuli</i>	Ca_Kabuli_Chr01	14623271	(T/C)
1369	CakSNP1369	<i>Kabuli</i>	Ca_Kabuli_Chr01	14698461	(A/T)
1370	CakSNP1370	<i>Kabuli</i>	Ca_Kabuli_Chr01	14801406	(A/G)
1371	CakSNP1371	<i>Kabuli</i>	Ca_Kabuli_Chr01	14884940	(G/T)
1372	CakSNP1372	<i>Kabuli</i>	Ca_Kabuli_Chr01	14916633	(G/C)
1373	CakSNP1373	<i>Kabuli</i>	Ca_Kabuli_Chr01	15126244	(T/C)
1374	CakSNP1374	<i>Kabuli</i>	Ca_Kabuli_Chr01	15137319	(C/T)
1375	CakSNP1375	<i>Kabuli</i>	Ca_Kabuli_Chr01	15146123	(A/G)
1376	CakSNP1376	<i>Kabuli</i>	Ca_Kabuli_Chr01	15146149	(G/A)
1377	CakSNP1377	<i>Kabuli</i>	Ca_Kabuli_Chr01	15167641	(T/C)
1378	CakSNP1378	<i>Kabuli</i>	Ca_Kabuli_Chr01	15167643	(G/A)
1379	CakSNP1379	<i>Kabuli</i>	Ca_Kabuli_Chr01	15196154	(T/A)
1380	CakSNP1380	<i>Kabuli</i>	Ca_Kabuli_Chr01	15236202	(A/G)
1381	CakSNP1381	<i>Kabuli</i>	Ca_Kabuli_Chr01	15253283	(G/A)
1382	CakSNP1382	<i>Kabuli</i>	Ca_Kabuli_Chr01	15253285	(A/G)
1383	CakSNP1383	<i>Kabuli</i>	Ca_Kabuli_Chr01	15291748	(C/T)
1384	CakSNP1384	<i>Kabuli</i>	Ca_Kabuli_Chr01	15319181	(T/C)
1385	CakSNP1385	<i>Kabuli</i>	Ca_Kabuli_Chr01	15611784	(T/C)
1386	CakSNP1386	<i>Kabuli</i>	Ca_Kabuli_Chr01	15613071	(A/C)
1387	CakSNP1387	<i>Kabuli</i>	Ca_Kabuli_Chr01	15683091	(G/A)
1388	CakSNP1388	<i>Kabuli</i>	Ca_Kabuli_Chr01	15683101	(A/C)
1389	CakSNP1389	<i>Kabuli</i>	Ca_Kabuli_Chr01	15683106	(C/A)
1390	CakSNP1390	<i>Kabuli</i>	Ca_Kabuli_Chr01	15683117	(G/T)
1391	CakSNP1391	<i>Kabuli</i>	Ca_Kabuli_Chr01	15683138	(A/G)
1392	CakSNP1392	<i>Kabuli</i>	Ca_Kabuli_Chr01	15760638	(C/A)
1393	CakSNP1393	<i>Kabuli</i>	Ca_Kabuli_Chr01	15784021	(C/T)
1394	CakSNP1394	<i>Kabuli</i>	Ca_Kabuli_Chr01	15802393	(G/A)
1395	CakSNP1395	<i>Kabuli</i>	Ca_Kabuli_Chr01	15862493	(C/T)
1396	CakSNP1396	<i>Kabuli</i>	Ca_Kabuli_Chr01	15960425	(A/C)
1397	CakSNP1397	<i>Kabuli</i>	Ca_Kabuli_Chr01	15965278	(G/A)
1398	CakSNP1398	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061242	(A/G)
1399	CakSNP1399	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061293	(C/G)
1400	CakSNP1400	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061294	(T/A)
1401	CakSNP1401	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061295	(A/G)
1402	CakSNP1402	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061300	(A/G)
1403	CakSNP1403	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061385	(A/G)
1404	CakSNP1404	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061486	(G/A)
1405	CakSNP1405	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061541	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1406	CakSNP1406	<i>Kabuli</i>	Ca_Kabuli_Chr01	16061536	(A/C)
1407	CakSNP1407	<i>Kabuli</i>	Ca_Kabuli_Chr01	16081438	(T/C)
1408	CakSNP1408	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099437	(T/G)
1409	CakSNP1409	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099438	(G/A)
1410	CakSNP1410	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099468	(G/A)
1411	CakSNP1411	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099444	(T/C)
1412	CakSNP1412	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099459	(T/C)
1413	CakSNP1413	<i>Kabuli</i>	Ca_Kabuli_Chr01	16099457	(T/C)
1414	CakSNP1414	<i>Kabuli</i>	Ca_Kabuli_Chr01	16104255	(G/T)
1415	CakSNP1415	<i>Kabuli</i>	Ca_Kabuli_Chr01	16104351	(G/A)
1416	CakSNP1416	<i>Kabuli</i>	Ca_Kabuli_Chr01	16104334	(T/G)
1417	CakSNP1417	<i>Kabuli</i>	Ca_Kabuli_Chr01	16104298	(C/T)
1418	CakSNP1418	<i>Kabuli</i>	Ca_Kabuli_Chr01	16114607	(C/A)
1419	CakSNP1419	<i>Kabuli</i>	Ca_Kabuli_Chr01	16196930	(A/G)
1420	CakSNP1420	<i>Kabuli</i>	Ca_Kabuli_Chr01	16228049	(C/A)
1421	CakSNP1421	<i>Kabuli</i>	Ca_Kabuli_Chr01	16228039	(C/A)
1422	CakSNP1422	<i>Kabuli</i>	Ca_Kabuli_Chr01	16289397	(G/A)
1423	CakSNP1423	<i>Kabuli</i>	Ca_Kabuli_Chr01	16329161	(G/A)
1424	CakSNP1424	<i>Kabuli</i>	Ca_Kabuli_Chr01	16376254	(G/T)
1425	CakSNP1425	<i>Kabuli</i>	Ca_Kabuli_Chr01	16379239	(A/G)
1426	CakSNP1426	<i>Kabuli</i>	Ca_Kabuli_Chr01	16379258	(C/T)
1427	CakSNP1427	<i>Kabuli</i>	Ca_Kabuli_Chr01	16410186	(C/T)
1428	CakSNP1428	<i>Kabuli</i>	Ca_Kabuli_Chr01	16419469	(C/T)
1429	CakSNP1429	<i>Kabuli</i>	Ca_Kabuli_Chr01	16454432	(C/T)
1430	CakSNP1430	<i>Kabuli</i>	Ca_Kabuli_Chr01	16454487	(G/C)
1431	CakSNP1431	<i>Kabuli</i>	Ca_Kabuli_Chr01	16493894	(A/G)
1432	CakSNP1432	<i>Kabuli</i>	Ca_Kabuli_Chr01	16512011	(G/T)
1433	CakSNP1433	<i>Kabuli</i>	Ca_Kabuli_Chr01	16512026	(C/T)
1434	CakSNP1434	<i>Kabuli</i>	Ca_Kabuli_Chr01	16512171	(G/A)
1435	CakSNP1435	<i>Kabuli</i>	Ca_Kabuli_Chr01	16512195	(G/A)
1436	CakSNP1436	<i>Kabuli</i>	Ca_Kabuli_Chr01	16515112	(T/C)
1437	CakSNP1437	<i>Kabuli</i>	Ca_Kabuli_Chr01	16527347	(T/A)
1438	CakSNP1438	<i>Kabuli</i>	Ca_Kabuli_Chr01	16527366	(G/A)
1439	CakSNP1439	<i>Kabuli</i>	Ca_Kabuli_Chr01	16575167	(A/G)
1440	CakSNP1440	<i>Kabuli</i>	Ca_Kabuli_Chr01	16636587	(G/A)
1441	CakSNP1441	<i>Kabuli</i>	Ca_Kabuli_Chr01	16743569	(C/T)
1442	CakSNP1442	<i>Kabuli</i>	Ca_Kabuli_Chr01	16799112	(T/C)
1443	CakSNP1443	<i>Kabuli</i>	Ca_Kabuli_Chr01	16799142	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1444	CakSNP1444	<i>Kabuli</i>	Ca_Kabuli_Chr01	16813600	(T/A)
1445	CakSNP1445	<i>Kabuli</i>	Ca_Kabuli_Chr01	16813603	(T/G)
1446	CakSNP1446	<i>Kabuli</i>	Ca_Kabuli_Chr01	16813604	(T/C)
1447	CakSNP1447	<i>Kabuli</i>	Ca_Kabuli_Chr01	16813657	(A/T)
1448	CakSNP1448	<i>Kabuli</i>	Ca_Kabuli_Chr01	16813616	(T/A)
1449	CakSNP1449	<i>Kabuli</i>	Ca_Kabuli_Chr01	16873356	(C/T)
1450	CakSNP1450	<i>Kabuli</i>	Ca_Kabuli_Chr01	16877812	(C/A)
1451	CakSNP1451	<i>Kabuli</i>	Ca_Kabuli_Chr01	16877829	(C/A)
1452	CakSNP1452	<i>Kabuli</i>	Ca_Kabuli_Chr01	16883153	(C/T)
1453	CakSNP1453	<i>Kabuli</i>	Ca_Kabuli_Chr01	16901798	(C/A)
1454	CakSNP1454	<i>Kabuli</i>	Ca_Kabuli_Chr01	16902129	(G/A)
1455	CakSNP1455	<i>Kabuli</i>	Ca_Kabuli_Chr01	16908636	(G/A)
1456	CakSNP1456	<i>Kabuli</i>	Ca_Kabuli_Chr01	16933423	(T/G)
1457	CakSNP1457	<i>Kabuli</i>	Ca_Kabuli_Chr01	16933431	(T/G)
1458	CakSNP1458	<i>Kabuli</i>	Ca_Kabuli_Chr01	17006391	(T/C)
1459	CakSNP1459	<i>Kabuli</i>	Ca_Kabuli_Chr01	17023111	(G/C)
1460	CakSNP1460	<i>Kabuli</i>	Ca_Kabuli_Chr01	17024083	(A/C)
1461	CakSNP1461	<i>Kabuli</i>	Ca_Kabuli_Chr01	17068798	(A/C)
1462	CakSNP1462	<i>Kabuli</i>	Ca_Kabuli_Chr01	17092204	(C/T)
1463	CakSNP1463	<i>Kabuli</i>	Ca_Kabuli_Chr01	17092404	(G/A)
1464	CakSNP1464	<i>Kabuli</i>	Ca_Kabuli_Chr01	17092413	(C/T)
1465	CakSNP1465	<i>Kabuli</i>	Ca_Kabuli_Chr01	17093640	(T/C)
1466	CakSNP1466	<i>Kabuli</i>	Ca_Kabuli_Chr01	17167019	(G/A)
1467	CakSNP1467	<i>Kabuli</i>	Ca_Kabuli_Chr01	17170443	(A/T)
1468	CakSNP1468	<i>Kabuli</i>	Ca_Kabuli_Chr01	17170727	(T/C)
1469	CakSNP1469	<i>Kabuli</i>	Ca_Kabuli_Chr01	17182711	(C/T)
1470	CakSNP1470	<i>Kabuli</i>	Ca_Kabuli_Chr01	17182697	(A/T)
1471	CakSNP1471	<i>Kabuli</i>	Ca_Kabuli_Chr01	17182867	(G/A)
1472	CakSNP1472	<i>Kabuli</i>	Ca_Kabuli_Chr01	17194835	(C/T)
1473	CakSNP1473	<i>Kabuli</i>	Ca_Kabuli_Chr01	17272338	(A/C)
1474	CakSNP1474	<i>Kabuli</i>	Ca_Kabuli_Chr01	17272401	(C/T)
1475	CakSNP1475	<i>Kabuli</i>	Ca_Kabuli_Chr01	17314880	(A/C)
1476	CakSNP1476	<i>Kabuli</i>	Ca_Kabuli_Chr01	17314911	(A/G)
1477	CakSNP1477	<i>Kabuli</i>	Ca_Kabuli_Chr01	17314945	(T/C)
1478	CakSNP1478	<i>Kabuli</i>	Ca_Kabuli_Chr01	17315046	(G/A)
1479	CakSNP1479	<i>Kabuli</i>	Ca_Kabuli_Chr01	17328721	(G/A)
1480	CakSNP1480	<i>Kabuli</i>	Ca_Kabuli_Chr01	17328808	(G/A)
1481	CakSNP1481	<i>Kabuli</i>	Ca_Kabuli_Chr01	17332981	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1482	CakSNP1482	<i>Kabuli</i>	Ca_Kabuli_Chr01	17333056	(C/G)
1483	CakSNP1483	<i>Kabuli</i>	Ca_Kabuli_Chr01	17333049	(C/T)
1484	CakSNP1484	<i>Kabuli</i>	Ca_Kabuli_Chr01	17340321	(T/C)
1485	CakSNP1485	<i>Kabuli</i>	Ca_Kabuli_Chr01	17340350	(G/T)
1486	CakSNP1486	<i>Kabuli</i>	Ca_Kabuli_Chr01	17340398	(G/T)
1487	CakSNP1487	<i>Kabuli</i>	Ca_Kabuli_Chr01	17359712	(A/G)
1488	CakSNP1488	<i>Kabuli</i>	Ca_Kabuli_Chr01	17359688	(A/C)
1489	CakSNP1489	<i>Kabuli</i>	Ca_Kabuli_Chr01	17359686	(C/T)
1490	CakSNP1490	<i>Kabuli</i>	Ca_Kabuli_Chr01	17359682	(A/C)
1491	CakSNP1491	<i>Kabuli</i>	Ca_Kabuli_Chr01	17386549	(C/T)
1492	CakSNP1492	<i>Kabuli</i>	Ca_Kabuli_Chr01	17386603	(A/T)
1493	CakSNP1493	<i>Kabuli</i>	Ca_Kabuli_Chr01	17395543	(C/A)
1494	CakSNP1494	<i>Kabuli</i>	Ca_Kabuli_Chr01	17437336	(G/C)
1495	CakSNP1495	<i>Kabuli</i>	Ca_Kabuli_Chr01	17558885	(T/C)
1496	CakSNP1496	<i>Kabuli</i>	Ca_Kabuli_Chr01	17558940	(A/G)
1497	CakSNP1497	<i>Kabuli</i>	Ca_Kabuli_Chr01	17558975	(A/G)
1498	CakSNP1498	<i>Kabuli</i>	Ca_Kabuli_Chr01	17576793	(T/G)
1499	CakSNP1499	<i>Kabuli</i>	Ca_Kabuli_Chr01	17761244	(T/C)
1500	CakSNP1500	<i>Kabuli</i>	Ca_Kabuli_Chr01	17763949	(G/A)
1501	CakSNP1501	<i>Kabuli</i>	Ca_Kabuli_Chr01	17819374	(A/C)
1502	CakSNP1502	<i>Kabuli</i>	Ca_Kabuli_Chr01	17856892	(A/G)
1503	CakSNP1503	<i>Kabuli</i>	Ca_Kabuli_Chr01	17857089	(T/A)
1504	CakSNP1504	<i>Kabuli</i>	Ca_Kabuli_Chr01	17880143	(T/C)
1505	CakSNP1505	<i>Kabuli</i>	Ca_Kabuli_Chr01	17880185	(T/C)
1506	CakSNP1506	<i>Kabuli</i>	Ca_Kabuli_Chr01	17961779	(T/C)
1507	CakSNP1507	<i>Kabuli</i>	Ca_Kabuli_Chr01	17983301	(T/G)
1508	CakSNP1508	<i>Kabuli</i>	Ca_Kabuli_Chr01	17983310	(T/G)
1509	CakSNP1509	<i>Kabuli</i>	Ca_Kabuli_Chr01	18009665	(C/G)
1510	CakSNP1510	<i>Kabuli</i>	Ca_Kabuli_Chr01	18050590	(G/T)
1511	CakSNP1511	<i>Kabuli</i>	Ca_Kabuli_Chr01	18064930	(C/T)
1512	CakSNP1512	<i>Kabuli</i>	Ca_Kabuli_Chr01	18065239	(T/C)
1513	CakSNP1513	<i>Kabuli</i>	Ca_Kabuli_Chr01	18092704	(T/G)
1514	CakSNP1514	<i>Kabuli</i>	Ca_Kabuli_Chr01	18092761	(C/T)
1515	CakSNP1515	<i>Kabuli</i>	Ca_Kabuli_Chr01	18098516	(C/T)
1516	CakSNP1516	<i>Kabuli</i>	Ca_Kabuli_Chr01	18099331	(C/T)
1517	CakSNP1517	<i>Kabuli</i>	Ca_Kabuli_Chr01	18099334	(T/A)
1518	CakSNP1518	<i>Kabuli</i>	Ca_Kabuli_Chr01	18112318	(A/G)
1519	CakSNP1519	<i>Kabuli</i>	Ca_Kabuli_Chr01	18112353	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1520	CakSNP1520	<i>Kabuli</i>	Ca_Kabuli_Chr01	18131516	(T/G)
1521	CakSNP1521	<i>Kabuli</i>	Ca_Kabuli_Chr01	18131545	(A/T)
1522	CakSNP1522	<i>Kabuli</i>	Ca_Kabuli_Chr01	18131898	(G/A)
1523	CakSNP1523	<i>Kabuli</i>	Ca_Kabuli_Chr01	18141990	(C/A)
1524	CakSNP1524	<i>Kabuli</i>	Ca_Kabuli_Chr01	18144107	(C/G)
1525	CakSNP1525	<i>Kabuli</i>	Ca_Kabuli_Chr01	18144137	(T/A)
1526	CakSNP1526	<i>Kabuli</i>	Ca_Kabuli_Chr01	18147011	(C/G)
1527	CakSNP1527	<i>Kabuli</i>	Ca_Kabuli_Chr01	18150151	(G/A)
1528	CakSNP1528	<i>Kabuli</i>	Ca_Kabuli_Chr01	18153870	(T/G)
1529	CakSNP1529	<i>Kabuli</i>	Ca_Kabuli_Chr01	18154083	(A/G)
1530	CakSNP1530	<i>Kabuli</i>	Ca_Kabuli_Chr01	18156634	(A/G)
1531	CakSNP1531	<i>Kabuli</i>	Ca_Kabuli_Chr01	18172762	(G/T)
1532	CakSNP1532	<i>Kabuli</i>	Ca_Kabuli_Chr01	18198444	(C/T)
1533	CakSNP1533	<i>Kabuli</i>	Ca_Kabuli_Chr01	18488172	(G/A)
1534	CakSNP1534	<i>Kabuli</i>	Ca_Kabuli_Chr01	18746045	(T/G)
1535	CakSNP1535	<i>Kabuli</i>	Ca_Kabuli_Chr01	18763916	(G/A)
1536	CakSNP1536	<i>Kabuli</i>	Ca_Kabuli_Chr01	18763911	(C/A)
1537	CakSNP1537	<i>Kabuli</i>	Ca_Kabuli_Chr01	18764225	(C/T)
1538	CakSNP1538	<i>Kabuli</i>	Ca_Kabuli_Chr01	18768563	(C/A)
1539	CakSNP1539	<i>Kabuli</i>	Ca_Kabuli_Chr01	18797330	(T/C)
1540	CakSNP1540	<i>Kabuli</i>	Ca_Kabuli_Chr01	18890559	(A/G)
1541	CakSNP1541	<i>Kabuli</i>	Ca_Kabuli_Chr01	18890616	(G/A)
1542	CakSNP1542	<i>Kabuli</i>	Ca_Kabuli_Chr01	18890833	(G/A)
1543	CakSNP1543	<i>Kabuli</i>	Ca_Kabuli_Chr01	18910213	(C/T)
1544	CakSNP1544	<i>Kabuli</i>	Ca_Kabuli_Chr01	18910202	(G/A)
1545	CakSNP1545	<i>Kabuli</i>	Ca_Kabuli_Chr01	18910173	(T/C)
1546	CakSNP1546	<i>Kabuli</i>	Ca_Kabuli_Chr01	19000445	(T/C)
1547	CakSNP1547	<i>Kabuli</i>	Ca_Kabuli_Chr01	19055085	(C/T)
1548	CakSNP1548	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130894	(T/C)
1549	CakSNP1549	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130884	(C/A)
1550	CakSNP1550	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130883	(C/A)
1551	CakSNP1551	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130872	(G/A)
1552	CakSNP1552	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130833	(G/T)
1553	CakSNP1553	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130831	(A/G)
1554	CakSNP1554	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130848	(C/T)
1555	CakSNP1555	<i>Kabuli</i>	Ca_Kabuli_Chr01	19130853	(G/A)
1556	CakSNP1556	<i>Kabuli</i>	Ca_Kabuli_Chr01	19164976	(T/C)
1557	CakSNP1557	<i>Kabuli</i>	Ca_Kabuli_Chr01	19166597	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1558	CakSNP1558	<i>Kabuli</i>	Ca_Kabuli_Chr01	19218067	(G/A)
1559	CakSNP1559	<i>Kabuli</i>	Ca_Kabuli_Chr01	19218093	(T/G)
1560	CakSNP1560	<i>Kabuli</i>	Ca_Kabuli_Chr01	19252952	(G/T)
1561	CakSNP1561	<i>Kabuli</i>	Ca_Kabuli_Chr01	19252938	(G/A)
1562	CakSNP1562	<i>Kabuli</i>	Ca_Kabuli_Chr01	19253655	(C/T)
1563	CakSNP1563	<i>Kabuli</i>	Ca_Kabuli_Chr01	19254161	(G/A)
1564	CakSNP1564	<i>Kabuli</i>	Ca_Kabuli_Chr01	19276489	(A/G)
1565	CakSNP1565	<i>Kabuli</i>	Ca_Kabuli_Chr01	19276697	(C/G)
1566	CakSNP1566	<i>Kabuli</i>	Ca_Kabuli_Chr01	19359812	(A/C)
1567	CakSNP1567	<i>Kabuli</i>	Ca_Kabuli_Chr01	19359844	(C/A)
1568	CakSNP1568	<i>Kabuli</i>	Ca_Kabuli_Chr01	19399112	(C/T)
1569	CakSNP1569	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526320	(T/C)
1570	CakSNP1570	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526531	(C/G)
1571	CakSNP1571	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526548	(G/A)
1572	CakSNP1572	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526561	(T/C)
1573	CakSNP1573	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526592	(T/A)
1574	CakSNP1574	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526652	(G/T)
1575	CakSNP1575	<i>Kabuli</i>	Ca_Kabuli_Chr01	19526632	(C/T)
1576	CakSNP1576	<i>Kabuli</i>	Ca_Kabuli_Chr01	19572408	(C/T)
1577	CakSNP1577	<i>Kabuli</i>	Ca_Kabuli_Chr01	19572494	(G/C)
1578	CakSNP1578	<i>Kabuli</i>	Ca_Kabuli_Chr01	19591671	(A/G)
1579	CakSNP1579	<i>Kabuli</i>	Ca_Kabuli_Chr01	19877654	(A/T)
1580	CakSNP1580	<i>Kabuli</i>	Ca_Kabuli_Chr01	19902735	(T/A)
1581	CakSNP1581	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903665	(A/G)
1582	CakSNP1582	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903683	(G/A)
1583	CakSNP1583	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903686	(T/A)
1584	CakSNP1584	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903690	(A/G)
1585	CakSNP1585	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903693	(G/T)
1586	CakSNP1586	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903701	(G/A)
1587	CakSNP1587	<i>Kabuli</i>	Ca_Kabuli_Chr01	19903704	(G/A)
1588	CakSNP1588	<i>Kabuli</i>	Ca_Kabuli_Chr01	20004655	(A/G)
1589	CakSNP1589	<i>Kabuli</i>	Ca_Kabuli_Chr01	20005747	(C/T)
1590	CakSNP1590	<i>Kabuli</i>	Ca_Kabuli_Chr01	20016525	(C/T)
1591	CakSNP1591	<i>Kabuli</i>	Ca_Kabuli_Chr01	20070045	(A/G)
1592	CakSNP1592	<i>Kabuli</i>	Ca_Kabuli_Chr01	20070197	(T/C)
1593	CakSNP1593	<i>Kabuli</i>	Ca_Kabuli_Chr01	20091291	(T/G)
1594	CakSNP1594	<i>Kabuli</i>	Ca_Kabuli_Chr01	20092571	(C/G)
1595	CakSNP1595	<i>Kabuli</i>	Ca_Kabuli_Chr01	20092677	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1596	CakSNP1596	<i>Kabuli</i>	Ca_Kabuli_Chr01	21822975	(A/G)
1597	CakSNP1597	<i>Kabuli</i>	Ca_Kabuli_Chr01	21881133	(G/A)
1598	CakSNP1598	<i>Kabuli</i>	Ca_Kabuli_Chr01	21881112	(C/T)
1599	CakSNP1599	<i>Kabuli</i>	Ca_Kabuli_Chr01	21881103	(G/A)
1600	CakSNP1600	<i>Kabuli</i>	Ca_Kabuli_Chr01	21881094	(G/A)
1601	CakSNP1601	<i>Kabuli</i>	Ca_Kabuli_Chr01	21918747	(G/A)
1602	CakSNP1602	<i>Kabuli</i>	Ca_Kabuli_Chr01	22344003	(G/A)
1603	CakSNP1603	<i>Kabuli</i>	Ca_Kabuli_Chr01	22437033	(C/T)
1604	CakSNP1604	<i>Kabuli</i>	Ca_Kabuli_Chr01	22465555	(C/T)
1605	CakSNP1605	<i>Kabuli</i>	Ca_Kabuli_Chr01	22465692	(A/G)
1606	CakSNP1606	<i>Kabuli</i>	Ca_Kabuli_Chr01	22719581	(T/G)
1607	CakSNP1607	<i>Kabuli</i>	Ca_Kabuli_Chr01	22743361	(T/G)
1608	CakSNP1608	<i>Kabuli</i>	Ca_Kabuli_Chr01	23122951	(A/G)
1609	CakSNP1609	<i>Kabuli</i>	Ca_Kabuli_Chr01	23128921	(T/A)
1610	CakSNP1610	<i>Kabuli</i>	Ca_Kabuli_Chr01	23128979	(G/T)
1611	CakSNP1611	<i>Kabuli</i>	Ca_Kabuli_Chr01	23129094	(C/T)
1612	CakSNP1612	<i>Kabuli</i>	Ca_Kabuli_Chr01	23131178	(A/C)
1613	CakSNP1613	<i>Kabuli</i>	Ca_Kabuli_Chr01	23131914	(T/C)
1614	CakSNP1614	<i>Kabuli</i>	Ca_Kabuli_Chr01	23148736	(A/C)
1615	CakSNP1615	<i>Kabuli</i>	Ca_Kabuli_Chr01	23149053	(A/G)
1616	CakSNP1616	<i>Kabuli</i>	Ca_Kabuli_Chr01	23149096	(A/C)
1617	CakSNP1617	<i>Kabuli</i>	Ca_Kabuli_Chr01	23341499	(C/G)
1618	CakSNP1618	<i>Kabuli</i>	Ca_Kabuli_Chr01	23382483	(T/A)
1619	CakSNP1619	<i>Kabuli</i>	Ca_Kabuli_Chr01	23382454	(G/T)
1620	CakSNP1620	<i>Kabuli</i>	Ca_Kabuli_Chr01	23382664	(C/T)
1621	CakSNP1621	<i>Kabuli</i>	Ca_Kabuli_Chr01	23382645	(C/G)
1622	CakSNP1622	<i>Kabuli</i>	Ca_Kabuli_Chr01	23915127	(C/G)
1623	CakSNP1623	<i>Kabuli</i>	Ca_Kabuli_Chr01	23941438	(G/A)
1624	CakSNP1624	<i>Kabuli</i>	Ca_Kabuli_Chr01	23941518	(C/T)
1625	CakSNP1625	<i>Kabuli</i>	Ca_Kabuli_Chr01	24070908	(C/T)
1626	CakSNP1626	<i>Kabuli</i>	Ca_Kabuli_Chr01	24070968	(C/T)
1627	CakSNP1627	<i>Kabuli</i>	Ca_Kabuli_Chr01	24071007	(C/A)
1628	CakSNP1628	<i>Kabuli</i>	Ca_Kabuli_Chr01	24071014	(T/G)
1629	CakSNP1629	<i>Kabuli</i>	Ca_Kabuli_Chr01	24173273	(A/G)
1630	CakSNP1630	<i>Kabuli</i>	Ca_Kabuli_Chr01	24450415	(T/C)
1631	CakSNP1631	<i>Kabuli</i>	Ca_Kabuli_Chr01	24450511	(A/G)
1632	CakSNP1632	<i>Kabuli</i>	Ca_Kabuli_Chr01	24450483	(T/G)
1633	CakSNP1633	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693506	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1634	CakSNP1634	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693602	(A/G)
1635	CakSNP1635	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693601	(C/T)
1636	CakSNP1636	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693586	(C/T)
1637	CakSNP1637	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693571	(G/A)
1638	CakSNP1638	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693550	(G/A)
1639	CakSNP1639	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693533	(G/A)
1640	CakSNP1640	<i>Kabuli</i>	Ca_Kabuli_Chr01	24693521	(G/A)
1641	CakSNP1641	<i>Kabuli</i>	Ca_Kabuli_Chr01	24828169	(C/T)
1642	CakSNP1642	<i>Kabuli</i>	Ca_Kabuli_Chr01	24828245	(A/C)
1643	CakSNP1643	<i>Kabuli</i>	Ca_Kabuli_Chr01	24845148	(A/C)
1644	CakSNP1644	<i>Kabuli</i>	Ca_Kabuli_Chr01	24983908	(A/G)
1645	CakSNP1645	<i>Kabuli</i>	Ca_Kabuli_Chr01	25039836	(T/C)
1646	CakSNP1646	<i>Kabuli</i>	Ca_Kabuli_Chr01	25083482	(A/C)
1647	CakSNP1647	<i>Kabuli</i>	Ca_Kabuli_Chr01	25083534	(A/C)
1648	CakSNP1648	<i>Kabuli</i>	Ca_Kabuli_Chr01	25175124	(C/T)
1649	CakSNP1649	<i>Kabuli</i>	Ca_Kabuli_Chr01	25176162	(C/A)
1650	CakSNP1650	<i>Kabuli</i>	Ca_Kabuli_Chr01	25192363	(T/C)
1651	CakSNP1651	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524382	(C/T)
1652	CakSNP1652	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524425	(C/T)
1653	CakSNP1653	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524441	(T/C)
1654	CakSNP1654	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524459	(C/G)
1655	CakSNP1655	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524532	(T/C)
1656	CakSNP1656	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524519	(C/T)
1657	CakSNP1657	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524481	(T/A)
1658	CakSNP1658	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524480	(G/A)
1659	CakSNP1659	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524473	(C/T)
1660	CakSNP1660	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524465	(A/G)
1661	CakSNP1661	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524460	(G/A)
1662	CakSNP1662	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524458	(G/A)
1663	CakSNP1663	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524456	(C/T)
1664	CakSNP1664	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524455	(G/A)
1665	CakSNP1665	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524453	(C/T)
1666	CakSNP1666	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524451	(A/T)
1667	CakSNP1667	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524450	(C/T)
1668	CakSNP1668	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524464	(G/A)
1669	CakSNP1669	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524478	(C/A)
1670	CakSNP1670	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524488	(G/T)
1671	CakSNP1671	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524498	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1672	CakSNP1672	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524505	(A/G)
1673	CakSNP1673	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524520	(C/T)
1674	CakSNP1674	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524522	(G/A)
1675	CakSNP1675	<i>Kabuli</i>	Ca_Kabuli_Chr01	25524524	(C/T)
1676	CakSNP1676	<i>Kabuli</i>	Ca_Kabuli_Chr01	25732004	(T/C)
1677	CakSNP1677	<i>Kabuli</i>	Ca_Kabuli_Chr01	25887539	(G/A)
1678	CakSNP1678	<i>Kabuli</i>	Ca_Kabuli_Chr01	25987201	(A/C)
1679	CakSNP1679	<i>Kabuli</i>	Ca_Kabuli_Chr01	26026817	(C/T)
1680	CakSNP1680	<i>Kabuli</i>	Ca_Kabuli_Chr01	26190096	(G/A)
1681	CakSNP1681	<i>Kabuli</i>	Ca_Kabuli_Chr01	26190050	(G/A)
1682	CakSNP1682	<i>Kabuli</i>	Ca_Kabuli_Chr01	26481730	(C/T)
1683	CakSNP1683	<i>Kabuli</i>	Ca_Kabuli_Chr01	26481747	(T/G)
1684	CakSNP1684	<i>Kabuli</i>	Ca_Kabuli_Chr01	26484868	(G/C)
1685	CakSNP1685	<i>Kabuli</i>	Ca_Kabuli_Chr01	26574098	(C/T)
1686	CakSNP1686	<i>Kabuli</i>	Ca_Kabuli_Chr01	26574146	(C/T)
1687	CakSNP1687	<i>Kabuli</i>	Ca_Kabuli_Chr01	26579621	(A/C)
1688	CakSNP1688	<i>Kabuli</i>	Ca_Kabuli_Chr01	26746094	(A/T)
1689	CakSNP1689	<i>Kabuli</i>	Ca_Kabuli_Chr01	26767522	(A/G)
1690	CakSNP1690	<i>Kabuli</i>	Ca_Kabuli_Chr01	26767514	(A/G)
1691	CakSNP1691	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784404	(G/A)
1692	CakSNP1692	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784421	(G/T)
1693	CakSNP1693	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784422	(C/T)
1694	CakSNP1694	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784464	(C/T)
1695	CakSNP1695	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784548	(C/A)
1696	CakSNP1696	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784570	(A/G)
1697	CakSNP1697	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784592	(A/G)
1698	CakSNP1698	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784618	(G/A)
1699	CakSNP1699	<i>Kabuli</i>	Ca_Kabuli_Chr01	26784732	(C/G)
1700	CakSNP1700	<i>Kabuli</i>	Ca_Kabuli_Chr01	26785566	(T/G)
1701	CakSNP1701	<i>Kabuli</i>	Ca_Kabuli_Chr01	26807401	(A/G)
1702	CakSNP1702	<i>Kabuli</i>	Ca_Kabuli_Chr01	26807395	(T/G)
1703	CakSNP1703	<i>Kabuli</i>	Ca_Kabuli_Chr01	26856541	(A/T)
1704	CakSNP1704	<i>Kabuli</i>	Ca_Kabuli_Chr01	26856691	(G/A)
1705	CakSNP1705	<i>Kabuli</i>	Ca_Kabuli_Chr01	26921471	(C/T)
1706	CakSNP1706	<i>Kabuli</i>	Ca_Kabuli_Chr01	26921487	(C/A)
1707	CakSNP1707	<i>Kabuli</i>	Ca_Kabuli_Chr01	26922011	(T/G)
1708	CakSNP1708	<i>Kabuli</i>	Ca_Kabuli_Chr01	26922631	(C/T)
1709	CakSNP1709	<i>Kabuli</i>	Ca_Kabuli_Chr01	26953535	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1710	CakSNP1710	<i>Kabuli</i>	Ca_Kabuli_Chr01	27012495	(C/T)
1711	CakSNP1711	<i>Kabuli</i>	Ca_Kabuli_Chr01	27012660	(G/C)
1712	CakSNP1712	<i>Kabuli</i>	Ca_Kabuli_Chr01	27014895	(T/G)
1713	CakSNP1713	<i>Kabuli</i>	Ca_Kabuli_Chr01	27014981	(A/G)
1714	CakSNP1714	<i>Kabuli</i>	Ca_Kabuli_Chr01	27014951	(A/C)
1715	CakSNP1715	<i>Kabuli</i>	Ca_Kabuli_Chr01	27016101	(G/A)
1716	CakSNP1716	<i>Kabuli</i>	Ca_Kabuli_Chr01	27016206	(T/A)
1717	CakSNP1717	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017559	(G/A)
1718	CakSNP1718	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017560	(G/A)
1719	CakSNP1719	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017570	(A/G)
1720	CakSNP1720	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017604	(T/G)
1721	CakSNP1721	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017606	(C/T)
1722	CakSNP1722	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017617	(G/A)
1723	CakSNP1723	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017626	(A/C)
1724	CakSNP1724	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017628	(C/A)
1725	CakSNP1725	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017734	(T/C)
1726	CakSNP1726	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017765	(A/T)
1727	CakSNP1727	<i>Kabuli</i>	Ca_Kabuli_Chr01	27017771	(G/A)
1728	CakSNP1728	<i>Kabuli</i>	Ca_Kabuli_Chr01	27020193	(T/C)
1729	CakSNP1729	<i>Kabuli</i>	Ca_Kabuli_Chr01	27020354	(C/A)
1730	CakSNP1730	<i>Kabuli</i>	Ca_Kabuli_Chr01	28088501	(T/C)
1731	CakSNP1731	<i>Kabuli</i>	Ca_Kabuli_Chr01	28106756	(G/A)
1732	CakSNP1732	<i>Kabuli</i>	Ca_Kabuli_Chr01	28133847	(A/G)
1733	CakSNP1733	<i>Kabuli</i>	Ca_Kabuli_Chr01	28133830	(A/T)
1734	CakSNP1734	<i>Kabuli</i>	Ca_Kabuli_Chr01	28133814	(C/T)
1735	CakSNP1735	<i>Kabuli</i>	Ca_Kabuli_Chr01	28143955	(G/A)
1736	CakSNP1736	<i>Kabuli</i>	Ca_Kabuli_Chr01	28152260	(A/G)
1737	CakSNP1737	<i>Kabuli</i>	Ca_Kabuli_Chr01	28656197	(C/A)
1738	CakSNP1738	<i>Kabuli</i>	Ca_Kabuli_Chr01	28832810	(C/A)
1739	CakSNP1739	<i>Kabuli</i>	Ca_Kabuli_Chr01	28907617	(G/A)
1740	CakSNP1740	<i>Kabuli</i>	Ca_Kabuli_Chr01	28909059	(T/A)
1741	CakSNP1741	<i>Kabuli</i>	Ca_Kabuli_Chr01	29020220	(T/G)
1742	CakSNP1742	<i>Kabuli</i>	Ca_Kabuli_Chr01	29116430	(T/C)
1743	CakSNP1743	<i>Kabuli</i>	Ca_Kabuli_Chr01	29460440	(C/A)
1744	CakSNP1744	<i>Kabuli</i>	Ca_Kabuli_Chr01	29634320	(G/T)
1745	CakSNP1745	<i>Kabuli</i>	Ca_Kabuli_Chr01	29637509	(A/C)
1746	CakSNP1746	<i>Kabuli</i>	Ca_Kabuli_Chr01	29637526	(C/T)
1747	CakSNP1747	<i>Kabuli</i>	Ca_Kabuli_Chr01	29637572	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1748	CakSNP1748	<i>Kabuli</i>	Ca_Kabuli_Chr01	29637571	(T/G)
1749	CakSNP1749	<i>Kabuli</i>	Ca_Kabuli_Chr01	30262124	(A/G)
1750	CakSNP1750	<i>Kabuli</i>	Ca_Kabuli_Chr01	31080673	(T/G)
1751	CakSNP1751	<i>Kabuli</i>	Ca_Kabuli_Chr01	31080792	(T/C)
1752	CakSNP1752	<i>Kabuli</i>	Ca_Kabuli_Chr01	31240370	(A/G)
1753	CakSNP1753	<i>Kabuli</i>	Ca_Kabuli_Chr01	31359861	(C/A)
1754	CakSNP1754	<i>Kabuli</i>	Ca_Kabuli_Chr01	31369599	(T/C)
1755	CakSNP1755	<i>Kabuli</i>	Ca_Kabuli_Chr01	31590263	(C/G)
1756	CakSNP1756	<i>Kabuli</i>	Ca_Kabuli_Chr01	31590510	(G/A)
1757	CakSNP1757	<i>Kabuli</i>	Ca_Kabuli_Chr01	31590548	(C/T)
1758	CakSNP1758	<i>Kabuli</i>	Ca_Kabuli_Chr01	31838239	(G/A)
1759	CakSNP1759	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286538	(C/T)
1760	CakSNP1760	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286534	(G/C)
1761	CakSNP1761	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286518	(C/A)
1762	CakSNP1762	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286517	(G/A)
1763	CakSNP1763	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286469	(G/A)
1764	CakSNP1764	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286466	(A/G)
1765	CakSNP1765	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286568	(A/C)
1766	CakSNP1766	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286558	(A/G)
1767	CakSNP1767	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286550	(G/A)
1768	CakSNP1768	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286536	(G/A)
1769	CakSNP1769	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286551	(C/T)
1770	CakSNP1770	<i>Kabuli</i>	Ca_Kabuli_Chr01	32286567	(C/T)
1771	CakSNP1771	<i>Kabuli</i>	Ca_Kabuli_Chr01	32467929	(G/A)
1772	CakSNP1772	<i>Kabuli</i>	Ca_Kabuli_Chr01	32467954	(A/C)
1773	CakSNP1773	<i>Kabuli</i>	Ca_Kabuli_Chr01	32468053	(A/C)
1774	CakSNP1774	<i>Kabuli</i>	Ca_Kabuli_Chr01	32468080	(A/T)
1775	CakSNP1775	<i>Kabuli</i>	Ca_Kabuli_Chr01	32468105	(C/G)
1776	CakSNP1776	<i>Kabuli</i>	Ca_Kabuli_Chr01	32468116	(A/G)
1777	CakSNP1777	<i>Kabuli</i>	Ca_Kabuli_Chr01	32468119	(T/C)
1778	CakSNP1778	<i>Kabuli</i>	Ca_Kabuli_Chr01	33058743	(T/C)
1779	CakSNP1779	<i>Kabuli</i>	Ca_Kabuli_Chr01	33063207	(C/T)
1780	CakSNP1780	<i>Kabuli</i>	Ca_Kabuli_Chr01	33194600	(T/C)
1781	CakSNP1781	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804152	(C/T)
1782	CakSNP1782	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804153	(C/T)
1783	CakSNP1783	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804189	(C/T)
1784	CakSNP1784	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804201	(C/T)
1785	CakSNP1785	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804232	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1786	CakSNP1786	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804247	(A/G)
1787	CakSNP1787	<i>Kabuli</i>	Ca_Kabuli_Chr01	33804262	(C/G)
1788	CakSNP1788	<i>Kabuli</i>	Ca_Kabuli_Chr01	34161921	(G/A)
1789	CakSNP1789	<i>Kabuli</i>	Ca_Kabuli_Chr01	34261166	(C/A)
1790	CakSNP1790	<i>Kabuli</i>	Ca_Kabuli_Chr01	34261158	(C/A)
1791	CakSNP1791	<i>Kabuli</i>	Ca_Kabuli_Chr01	34311145	(T/G)
1792	CakSNP1792	<i>Kabuli</i>	Ca_Kabuli_Chr01	34437114	(C/T)
1793	CakSNP1793	<i>Kabuli</i>	Ca_Kabuli_Chr01	34727251	(T/G)
1794	CakSNP1794	<i>Kabuli</i>	Ca_Kabuli_Chr01	34772813	(T/A)
1795	CakSNP1795	<i>Kabuli</i>	Ca_Kabuli_Chr01	34866709	(C/A)
1796	CakSNP1796	<i>Kabuli</i>	Ca_Kabuli_Chr01	34905580	(A/G)
1797	CakSNP1797	<i>Kabuli</i>	Ca_Kabuli_Chr01	34911065	(T/A)
1798	CakSNP1798	<i>Kabuli</i>	Ca_Kabuli_Chr01	34948934	(A/G)
1799	CakSNP1799	<i>Kabuli</i>	Ca_Kabuli_Chr01	35041241	(T/G)
1800	CakSNP1800	<i>Kabuli</i>	Ca_Kabuli_Chr01	35041324	(G/T)
1801	CakSNP1801	<i>Kabuli</i>	Ca_Kabuli_Chr01	35313277	(A/G)
1802	CakSNP1802	<i>Kabuli</i>	Ca_Kabuli_Chr01	35315381	(T/A)
1803	CakSNP1803	<i>Kabuli</i>	Ca_Kabuli_Chr01	35315379	(A/T)
1804	CakSNP1804	<i>Kabuli</i>	Ca_Kabuli_Chr01	35315347	(C/T)
1805	CakSNP1805	<i>Kabuli</i>	Ca_Kabuli_Chr01	35315327	(T/A)
1806	CakSNP1806	<i>Kabuli</i>	Ca_Kabuli_Chr01	35315436	(G/A)
1807	CakSNP1807	<i>Kabuli</i>	Ca_Kabuli_Chr01	35708841	(C/T)
1808	CakSNP1808	<i>Kabuli</i>	Ca_Kabuli_Chr01	36126090	(C/T)
1809	CakSNP1809	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794731	(A/G)
1810	CakSNP1810	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794797	(G/A)
1811	CakSNP1811	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794800	(G/T)
1812	CakSNP1812	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794806	(G/T)
1813	CakSNP1813	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794813	(C/T)
1814	CakSNP1814	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794887	(G/A)
1815	CakSNP1815	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794870	(C/T)
1816	CakSNP1816	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794900	(C/T)
1817	CakSNP1817	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794906	(A/C)
1818	CakSNP1818	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794912	(G/T)
1819	CakSNP1819	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794913	(A/T)
1820	CakSNP1820	<i>Kabuli</i>	Ca_Kabuli_Chr01	36794915	(G/A)
1821	CakSNP1821	<i>Kabuli</i>	Ca_Kabuli_Chr01	36892533	(C/T)
1822	CakSNP1822	<i>Kabuli</i>	Ca_Kabuli_Chr01	37026302	(C/T)
1823	CakSNP1823	<i>Kabuli</i>	Ca_Kabuli_Chr01	37608030	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1824	CakSNP1824	<i>Kabuli</i>	Ca_Kabuli_Chr01	37608050	(T/G)
1825	CakSNP1825	<i>Kabuli</i>	Ca_Kabuli_Chr01	37642546	(G/A)
1826	CakSNP1826	<i>Kabuli</i>	Ca_Kabuli_Chr01	37643213	(T/C)
1827	CakSNP1827	<i>Kabuli</i>	Ca_Kabuli_Chr01	37647602	(C/G)
1828	CakSNP1828	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651679	(G/A)
1829	CakSNP1829	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651695	(G/A)
1830	CakSNP1830	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651764	(A/C)
1831	CakSNP1831	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651711	(G/T)
1832	CakSNP1832	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651800	(T/A)
1833	CakSNP1833	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651823	(A/G)
1834	CakSNP1834	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651827	(C/T)
1835	CakSNP1835	<i>Kabuli</i>	Ca_Kabuli_Chr01	37651843	(T/C)
1836	CakSNP1836	<i>Kabuli</i>	Ca_Kabuli_Chr01	37654039	(C/G)
1837	CakSNP1837	<i>Kabuli</i>	Ca_Kabuli_Chr01	37654136	(C/G)
1838	CakSNP1838	<i>Kabuli</i>	Ca_Kabuli_Chr01	37654926	(C/T)
1839	CakSNP1839	<i>Kabuli</i>	Ca_Kabuli_Chr01	37690416	(G/A)
1840	CakSNP1840	<i>Kabuli</i>	Ca_Kabuli_Chr01	37690465	(T/C)
1841	CakSNP1841	<i>Kabuli</i>	Ca_Kabuli_Chr01	37690498	(C/A)
1842	CakSNP1842	<i>Kabuli</i>	Ca_Kabuli_Chr01	37690497	(A/T)
1843	CakSNP1843	<i>Kabuli</i>	Ca_Kabuli_Chr01	37699039	(T/G)
1844	CakSNP1844	<i>Kabuli</i>	Ca_Kabuli_Chr01	37699036	(T/C)
1845	CakSNP1845	<i>Kabuli</i>	Ca_Kabuli_Chr01	37722095	(G/A)
1846	CakSNP1846	<i>Kabuli</i>	Ca_Kabuli_Chr01	37722143	(G/C)
1847	CakSNP1847	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768179	(T/A)
1848	CakSNP1848	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768206	(A/T)
1849	CakSNP1849	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768238	(A/G)
1850	CakSNP1850	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768333	(C/T)
1851	CakSNP1851	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768299	(A/G)
1852	CakSNP1852	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768276	(G/C)
1853	CakSNP1853	<i>Kabuli</i>	Ca_Kabuli_Chr01	37768264	(A/G)
1854	CakSNP1854	<i>Kabuli</i>	Ca_Kabuli_Chr01	37862342	(T/G)
1855	CakSNP1855	<i>Kabuli</i>	Ca_Kabuli_Chr01	37880995	(T/C)
1856	CakSNP1856	<i>Kabuli</i>	Ca_Kabuli_Chr01	37892088	(A/C)
1857	CakSNP1857	<i>Kabuli</i>	Ca_Kabuli_Chr01	37892089	(C/T)
1858	CakSNP1858	<i>Kabuli</i>	Ca_Kabuli_Chr01	37892095	(A/G)
1859	CakSNP1859	<i>Kabuli</i>	Ca_Kabuli_Chr01	37892139	(A/T)
1860	CakSNP1860	<i>Kabuli</i>	Ca_Kabuli_Chr01	38049721	(C/T)
1861	CakSNP1861	<i>Kabuli</i>	Ca_Kabuli_Chr01	38678712	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1862	CakSNP1862	<i>Kabuli</i>	Ca_Kabuli_Chr01	38877670	(T/C)
1863	CakSNP1863	<i>Kabuli</i>	Ca_Kabuli_Chr01	38877692	(G/T)
1864	CakSNP1864	<i>Kabuli</i>	Ca_Kabuli_Chr01	39436291	(T/C)
1865	CakSNP1865	<i>Kabuli</i>	Ca_Kabuli_Chr01	39601982	(T/G)
1866	CakSNP1866	<i>Kabuli</i>	Ca_Kabuli_Chr01	39602029	(G/T)
1867	CakSNP1867	<i>Kabuli</i>	Ca_Kabuli_Chr01	39616139	(A/C)
1868	CakSNP1868	<i>Kabuli</i>	Ca_Kabuli_Chr01	39663432	(C/G)
1869	CakSNP1869	<i>Kabuli</i>	Ca_Kabuli_Chr01	40224835	(T/A)
1870	CakSNP1870	<i>Kabuli</i>	Ca_Kabuli_Chr01	40224834	(C/G)
1871	CakSNP1871	<i>Kabuli</i>	Ca_Kabuli_Chr01	40224804	(A/G)
1872	CakSNP1872	<i>Kabuli</i>	Ca_Kabuli_Chr01	40343216	(G/T)
1873	CakSNP1873	<i>Kabuli</i>	Ca_Kabuli_Chr01	40346280	(A/C)
1874	CakSNP1874	<i>Kabuli</i>	Ca_Kabuli_Chr01	40358693	(C/T)
1875	CakSNP1875	<i>Kabuli</i>	Ca_Kabuli_Chr01	40358747	(T/G)
1876	CakSNP1876	<i>Kabuli</i>	Ca_Kabuli_Chr01	40367940	(G/A)
1877	CakSNP1877	<i>Kabuli</i>	Ca_Kabuli_Chr01	40368845	(C/T)
1878	CakSNP1878	<i>Kabuli</i>	Ca_Kabuli_Chr01	40502077	(T/C)
1879	CakSNP1879	<i>Kabuli</i>	Ca_Kabuli_Chr01	40570811	(G/T)
1880	CakSNP1880	<i>Kabuli</i>	Ca_Kabuli_Chr01	40585026	(T/C)
1881	CakSNP1881	<i>Kabuli</i>	Ca_Kabuli_Chr01	40630215	(C/T)
1882	CakSNP1882	<i>Kabuli</i>	Ca_Kabuli_Chr01	40630213	(G/T)
1883	CakSNP1883	<i>Kabuli</i>	Ca_Kabuli_Chr01	40630158	(T/A)
1884	CakSNP1884	<i>Kabuli</i>	Ca_Kabuli_Chr01	40660069	(T/G)
1885	CakSNP1885	<i>Kabuli</i>	Ca_Kabuli_Chr01	40660116	(G/A)
1886	CakSNP1886	<i>Kabuli</i>	Ca_Kabuli_Chr01	40745421	(G/T)
1887	CakSNP1887	<i>Kabuli</i>	Ca_Kabuli_Chr01	40745452	(T/C)
1888	CakSNP1888	<i>Kabuli</i>	Ca_Kabuli_Chr01	40745492	(A/G)
1889	CakSNP1889	<i>Kabuli</i>	Ca_Kabuli_Chr01	40745846	(T/C)
1890	CakSNP1890	<i>Kabuli</i>	Ca_Kabuli_Chr01	41029732	(C/T)
1891	CakSNP1891	<i>Kabuli</i>	Ca_Kabuli_Chr01	41065797	(G/C)
1892	CakSNP1892	<i>Kabuli</i>	Ca_Kabuli_Chr01	41125493	(T/C)
1893	CakSNP1893	<i>Kabuli</i>	Ca_Kabuli_Chr01	41169218	(G/T)
1894	CakSNP1894	<i>Kabuli</i>	Ca_Kabuli_Chr01	41169430	(T/G)
1895	CakSNP1895	<i>Kabuli</i>	Ca_Kabuli_Chr01	41169372	(T/A)
1896	CakSNP1896	<i>Kabuli</i>	Ca_Kabuli_Chr01	41178168	(G/A)
1897	CakSNP1897	<i>Kabuli</i>	Ca_Kabuli_Chr01	41178183	(C/A)
1898	CakSNP1898	<i>Kabuli</i>	Ca_Kabuli_Chr01	41179660	(G/T)
1899	CakSNP1899	<i>Kabuli</i>	Ca_Kabuli_Chr01	41179650	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1900	CakSNP1900	<i>Kabuli</i>	Ca_Kabuli_Chr01	41185512	(T/G)
1901	CakSNP1901	<i>Kabuli</i>	Ca_Kabuli_Chr01	41202173	(T/G)
1902	CakSNP1902	<i>Kabuli</i>	Ca_Kabuli_Chr01	41202206	(A/G)
1903	CakSNP1903	<i>Kabuli</i>	Ca_Kabuli_Chr01	41310401	(T/G)
1904	CakSNP1904	<i>Kabuli</i>	Ca_Kabuli_Chr01	41339408	(T/A)
1905	CakSNP1905	<i>Kabuli</i>	Ca_Kabuli_Chr01	41339445	(C/A)
1906	CakSNP1906	<i>Kabuli</i>	Ca_Kabuli_Chr01	41380061	(G/T)
1907	CakSNP1907	<i>Kabuli</i>	Ca_Kabuli_Chr01	41437222	(A/G)
1908	CakSNP1908	<i>Kabuli</i>	Ca_Kabuli_Chr01	41437366	(T/C)
1909	CakSNP1909	<i>Kabuli</i>	Ca_Kabuli_Chr01	41437453	(T/G)
1910	CakSNP1910	<i>Kabuli</i>	Ca_Kabuli_Chr01	41437483	(G/A)
1911	CakSNP1911	<i>Kabuli</i>	Ca_Kabuli_Chr01	41439539	(A/G)
1912	CakSNP1912	<i>Kabuli</i>	Ca_Kabuli_Chr01	41439593	(A/G)
1913	CakSNP1913	<i>Kabuli</i>	Ca_Kabuli_Chr01	41451910	(C/T)
1914	CakSNP1914	<i>Kabuli</i>	Ca_Kabuli_Chr01	41451977	(C/T)
1915	CakSNP1915	<i>Kabuli</i>	Ca_Kabuli_Chr01	41475442	(T/C)
1916	CakSNP1916	<i>Kabuli</i>	Ca_Kabuli_Chr01	41484033	(T/C)
1917	CakSNP1917	<i>Kabuli</i>	Ca_Kabuli_Chr01	41484085	(C/T)
1918	CakSNP1918	<i>Kabuli</i>	Ca_Kabuli_Chr01	41564809	(T/C)
1919	CakSNP1919	<i>Kabuli</i>	Ca_Kabuli_Chr01	41795343	(G/A)
1920	CakSNP1920	<i>Kabuli</i>	Ca_Kabuli_Chr01	41795367	(C/T)
1921	CakSNP1921	<i>Kabuli</i>	Ca_Kabuli_Chr01	41822419	(C/T)
1922	CakSNP1922	<i>Kabuli</i>	Ca_Kabuli_Chr01	41827388	(T/C)
1923	CakSNP1923	<i>Kabuli</i>	Ca_Kabuli_Chr01	41867035	(C/T)
1924	CakSNP1924	<i>Kabuli</i>	Ca_Kabuli_Chr01	41897216	(C/A)
1925	CakSNP1925	<i>Kabuli</i>	Ca_Kabuli_Chr01	41946005	(A/G)
1926	CakSNP1926	<i>Kabuli</i>	Ca_Kabuli_Chr01	41981244	(G/A)
1927	CakSNP1927	<i>Kabuli</i>	Ca_Kabuli_Chr01	41981259	(G/A)
1928	CakSNP1928	<i>Kabuli</i>	Ca_Kabuli_Chr01	42189380	(A/G)
1929	CakSNP1929	<i>Kabuli</i>	Ca_Kabuli_Chr01	42452801	(G/A)
1930	CakSNP1930	<i>Kabuli</i>	Ca_Kabuli_Chr01	42452939	(G/T)
1931	CakSNP1931	<i>Kabuli</i>	Ca_Kabuli_Chr01	42515406	(C/T)
1932	CakSNP1932	<i>Kabuli</i>	Ca_Kabuli_Chr01	42551574	(T/G)
1933	CakSNP1933	<i>Kabuli</i>	Ca_Kabuli_Chr01	42551585	(C/A)
1934	CakSNP1934	<i>Kabuli</i>	Ca_Kabuli_Chr01	42552658	(A/C)
1935	CakSNP1935	<i>Kabuli</i>	Ca_Kabuli_Chr01	42605239	(T/G)
1936	CakSNP1936	<i>Kabuli</i>	Ca_Kabuli_Chr01	42610115	(A/C)
1937	CakSNP1937	<i>Kabuli</i>	Ca_Kabuli_Chr01	42613060	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1938	CakSNP1938	<i>Kabuli</i>	Ca_Kabuli_Chr01	42894518	(T/C)
1939	CakSNP1939	<i>Kabuli</i>	Ca_Kabuli_Chr01	42894525	(T/C)
1940	CakSNP1940	<i>Kabuli</i>	Ca_Kabuli_Chr01	42894536	(G/T)
1941	CakSNP1941	<i>Kabuli</i>	Ca_Kabuli_Chr01	43053424	(G/C)
1942	CakSNP1942	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273910	(G/T)
1943	CakSNP1943	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273922	(T/C)
1944	CakSNP1944	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273925	(A/G)
1945	CakSNP1945	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273931	(G/A)
1946	CakSNP1946	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273941	(C/G)
1947	CakSNP1947	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273943	(A/G)
1948	CakSNP1948	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273961	(C/T)
1949	CakSNP1949	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273962	(A/G)
1950	CakSNP1950	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273968	(T/G)
1951	CakSNP1951	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273972	(C/T)
1952	CakSNP1952	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273981	(G/T)
1953	CakSNP1953	<i>Kabuli</i>	Ca_Kabuli_Chr01	43273985	(G/A)
1954	CakSNP1954	<i>Kabuli</i>	Ca_Kabuli_Chr01	43304584	(A/C)
1955	CakSNP1955	<i>Kabuli</i>	Ca_Kabuli_Chr01	43304573	(C/T)
1956	CakSNP1956	<i>Kabuli</i>	Ca_Kabuli_Chr01	43305858	(T/C)
1957	CakSNP1957	<i>Kabuli</i>	Ca_Kabuli_Chr01	43305870	(G/A)
1958	CakSNP1958	<i>Kabuli</i>	Ca_Kabuli_Chr01	43305886	(T/C)
1959	CakSNP1959	<i>Kabuli</i>	Ca_Kabuli_Chr01	43305904	(C/A)
1960	CakSNP1960	<i>Kabuli</i>	Ca_Kabuli_Chr01	43306048	(G/A)
1961	CakSNP1961	<i>Kabuli</i>	Ca_Kabuli_Chr01	43306045	(C/A)
1962	CakSNP1962	<i>Kabuli</i>	Ca_Kabuli_Chr01	43306036	(G/A)
1963	CakSNP1963	<i>Kabuli</i>	Ca_Kabuli_Chr01	43306012	(G/A)
1964	CakSNP1964	<i>Kabuli</i>	Ca_Kabuli_Chr01	43306221	(A/G)
1965	CakSNP1965	<i>Kabuli</i>	Ca_Kabuli_Chr01	43509159	(A/G)
1966	CakSNP1966	<i>Kabuli</i>	Ca_Kabuli_Chr01	43509409	(T/C)
1967	CakSNP1967	<i>Kabuli</i>	Ca_Kabuli_Chr01	43576059	(A/G)
1968	CakSNP1968	<i>Kabuli</i>	Ca_Kabuli_Chr01	43585657	(T/G)
1969	CakSNP1969	<i>Kabuli</i>	Ca_Kabuli_Chr01	43590106	(C/T)
1970	CakSNP1970	<i>Kabuli</i>	Ca_Kabuli_Chr01	43590258	(T/C)
1971	CakSNP1971	<i>Kabuli</i>	Ca_Kabuli_Chr01	43724824	(C/T)
1972	CakSNP1972	<i>Kabuli</i>	Ca_Kabuli_Chr01	43724839	(C/T)
1973	CakSNP1973	<i>Kabuli</i>	Ca_Kabuli_Chr01	43724963	(C/T)
1974	CakSNP1974	<i>Kabuli</i>	Ca_Kabuli_Chr01	43725059	(C/T)
1975	CakSNP1975	<i>Kabuli</i>	Ca_Kabuli_Chr01	43725104	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1976	CakSNP1976	<i>Kabuli</i>	Ca_Kabuli_Chr01	43727804	(C/T)
1977	CakSNP1977	<i>Kabuli</i>	Ca_Kabuli_Chr01	43792565	(G/A)
1978	CakSNP1978	<i>Kabuli</i>	Ca_Kabuli_Chr01	43800367	(C/T)
1979	CakSNP1979	<i>Kabuli</i>	Ca_Kabuli_Chr01	43930143	(A/T)
1980	CakSNP1980	<i>Kabuli</i>	Ca_Kabuli_Chr01	43930138	(T/C)
1981	CakSNP1981	<i>Kabuli</i>	Ca_Kabuli_Chr01	43933881	(G/C)
1982	CakSNP1982	<i>Kabuli</i>	Ca_Kabuli_Chr01	43933904	(A/G)
1983	CakSNP1983	<i>Kabuli</i>	Ca_Kabuli_Chr01	43934024	(G/T)
1984	CakSNP1984	<i>Kabuli</i>	Ca_Kabuli_Chr01	43934120	(A/G)
1985	CakSNP1985	<i>Kabuli</i>	Ca_Kabuli_Chr01	43934117	(G/T)
1986	CakSNP1986	<i>Kabuli</i>	Ca_Kabuli_Chr01	43934081	(C/T)
1987	CakSNP1987	<i>Kabuli</i>	Ca_Kabuli_Chr01	43943035	(G/T)
1988	CakSNP1988	<i>Kabuli</i>	Ca_Kabuli_Chr01	43954743	(C/G)
1989	CakSNP1989	<i>Kabuli</i>	Ca_Kabuli_Chr01	44043281	(G/A)
1990	CakSNP1990	<i>Kabuli</i>	Ca_Kabuli_Chr01	44085069	(C/T)
1991	CakSNP1991	<i>Kabuli</i>	Ca_Kabuli_Chr01	44348947	(C/T)
1992	CakSNP1992	<i>Kabuli</i>	Ca_Kabuli_Chr01	44349004	(T/C)
1993	CakSNP1993	<i>Kabuli</i>	Ca_Kabuli_Chr01	44350953	(G/T)
1994	CakSNP1994	<i>Kabuli</i>	Ca_Kabuli_Chr01	44635939	(T/C)
1995	CakSNP1995	<i>Kabuli</i>	Ca_Kabuli_Chr01	44635926	(A/G)
1996	CakSNP1996	<i>Kabuli</i>	Ca_Kabuli_Chr01	44635893	(A/G)
1997	CakSNP1997	<i>Kabuli</i>	Ca_Kabuli_Chr01	44976738	(T/A)
1998	CakSNP1998	<i>Kabuli</i>	Ca_Kabuli_Chr01	44976735	(C/T)
1999	CakSNP1999	<i>Kabuli</i>	Ca_Kabuli_Chr01	44988344	(A/G)
2000	CakSNP2000	<i>Kabuli</i>	Ca_Kabuli_Chr01	44988387	(C/A)
2001	CakSNP2001	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003190	(G/A)
2002	CakSNP2002	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003514	(G/A)
2003	CakSNP2003	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003509	(C/A)
2004	CakSNP2004	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003505	(A/C)
2005	CakSNP2005	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003938	(A/G)
2006	CakSNP2006	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003939	(T/A)
2007	CakSNP2007	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003940	(T/G)
2008	CakSNP2008	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003944	(C/T)
2009	CakSNP2009	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003945	(T/A)
2010	CakSNP2010	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003946	(T/G)
2011	CakSNP2011	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003947	(C/A)
2012	CakSNP2012	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003973	(T/C)
2013	CakSNP2013	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003985	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2014	CakSNP2014	<i>Kabuli</i>	Ca_Kabuli_Chr01	45003998	(G/A)
2015	CakSNP2015	<i>Kabuli</i>	Ca_Kabuli_Chr01	45004001	(C/T)
2016	CakSNP2016	<i>Kabuli</i>	Ca_Kabuli_Chr01	45007032	(A/C)
2017	CakSNP2017	<i>Kabuli</i>	Ca_Kabuli_Chr01	45007227	(T/C)
2018	CakSNP2018	<i>Kabuli</i>	Ca_Kabuli_Chr01	45007259	(A/G)
2019	CakSNP2019	<i>Kabuli</i>	Ca_Kabuli_Chr01	45007331	(C/T)
2020	CakSNP2020	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008076	(G/A)
2021	CakSNP2021	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008075	(T/C)
2022	CakSNP2022	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008073	(T/G)
2023	CakSNP2023	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008071	(G/C)
2024	CakSNP2024	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008050	(C/G)
2025	CakSNP2025	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008044	(T/C)
2026	CakSNP2026	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008041	(C/G)
2027	CakSNP2027	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008040	(G/C)
2028	CakSNP2028	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008039	(C/T)
2029	CakSNP2029	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008016	(T/A)
2030	CakSNP2030	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008015	(G/A)
2031	CakSNP2031	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008009	(C/T)
2032	CakSNP2032	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008006	(C/A)
2033	CakSNP2033	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008004	(C/T)
2034	CakSNP2034	<i>Kabuli</i>	Ca_Kabuli_Chr01	45008074	(C/T)
2035	CakSNP2035	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250874	(G/A)
2036	CakSNP2036	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250872	(G/T)
2037	CakSNP2037	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250869	(G/A)
2038	CakSNP2038	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250863	(C/T)
2039	CakSNP2039	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250862	(A/T)
2040	CakSNP2040	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250834	(A/G)
2041	CakSNP2041	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250828	(G/C)
2042	CakSNP2042	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250807	(C/G)
2043	CakSNP2043	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250805	(A/C)
2044	CakSNP2044	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250803	(A/G)
2045	CakSNP2045	<i>Kabuli</i>	Ca_Kabuli_Chr01	45250802	(C/T)
2046	CakSNP2046	<i>Kabuli</i>	Ca_Kabuli_Chr01	46437023	(T/G)
2047	CakSNP2047	<i>Kabuli</i>	Ca_Kabuli_Chr01	46523221	(C/T)
2048	CakSNP2048	<i>Kabuli</i>	Ca_Kabuli_Chr01	46597131	(T/G)
2049	CakSNP2049	<i>Kabuli</i>	Ca_Kabuli_Chr01	46745628	(C/A)
2050	CakSNP2050	<i>Kabuli</i>	Ca_Kabuli_Chr01	46778814	(A/C)
2051	CakSNP2051	<i>Kabuli</i>	Ca_Kabuli_Chr01	46791939	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2052	CakSNP2052	<i>Kabuli</i>	Ca_Kabuli_Chr01	46793244	(G/A)
2053	CakSNP2053	<i>Kabuli</i>	Ca_Kabuli_Chr01	46793357	(T/C)
2054	CakSNP2054	<i>Kabuli</i>	Ca_Kabuli_Chr01	46793331	(C/G)
2055	CakSNP2055	<i>Kabuli</i>	Ca_Kabuli_Chr01	46816041	(A/T)
2056	CakSNP2056	<i>Kabuli</i>	Ca_Kabuli_Chr01	46825211	(G/A)
2057	CakSNP2057	<i>Kabuli</i>	Ca_Kabuli_Chr01	46829662	(C/T)
2058	CakSNP2058	<i>Kabuli</i>	Ca_Kabuli_Chr01	46832306	(T/G)
2059	CakSNP2059	<i>Kabuli</i>	Ca_Kabuli_Chr01	46832395	(A/G)
2060	CakSNP2060	<i>Kabuli</i>	Ca_Kabuli_Chr01	46832383	(T/C)
2061	CakSNP2061	<i>Kabuli</i>	Ca_Kabuli_Chr01	46920524	(C/T)
2062	CakSNP2062	<i>Kabuli</i>	Ca_Kabuli_Chr01	46920554	(T/C)
2063	CakSNP2063	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936196	(C/A)
2064	CakSNP2064	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936201	(C/T)
2065	CakSNP2065	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936207	(C/A)
2066	CakSNP2066	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936209	(C/T)
2067	CakSNP2067	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936329	(C/A)
2068	CakSNP2068	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936297	(A/G)
2069	CakSNP2069	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936428	(T/C)
2070	CakSNP2070	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936460	(A/C)
2071	CakSNP2071	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936456	(T/C)
2072	CakSNP2072	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936448	(A/C)
2073	CakSNP2073	<i>Kabuli</i>	Ca_Kabuli_Chr01	46936447	(G/A)
2074	CakSNP2074	<i>Kabuli</i>	Ca_Kabuli_Chr01	46941875	(T/C)
2075	CakSNP2075	<i>Kabuli</i>	Ca_Kabuli_Chr01	46968740	(T/C)
2076	CakSNP2076	<i>Kabuli</i>	Ca_Kabuli_Chr01	46969221	(T/A)
2077	CakSNP2077	<i>Kabuli</i>	Ca_Kabuli_Chr01	46976508	(A/G)
2078	CakSNP2078	<i>Kabuli</i>	Ca_Kabuli_Chr01	47042798	(T/A)
2079	CakSNP2079	<i>Kabuli</i>	Ca_Kabuli_Chr01	47203123	(A/C)
2080	CakSNP2080	<i>Kabuli</i>	Ca_Kabuli_Chr01	47263589	(C/T)
2081	CakSNP2081	<i>Kabuli</i>	Ca_Kabuli_Chr01	47278505	(T/C)
2082	CakSNP2082	<i>Kabuli</i>	Ca_Kabuli_Chr01	47331082	(T/C)
2083	CakSNP2083	<i>Kabuli</i>	Ca_Kabuli_Chr01	47331080	(T/C)
2084	CakSNP2084	<i>Kabuli</i>	Ca_Kabuli_Chr01	47423715	(A/T)
2085	CakSNP2085	<i>Kabuli</i>	Ca_Kabuli_Chr01	47449818	(A/G)
2086	CakSNP2086	<i>Kabuli</i>	Ca_Kabuli_Chr01	47449950	(T/C)
2087	CakSNP2087	<i>Kabuli</i>	Ca_Kabuli_Chr01	47449891	(T/C)
2088	CakSNP2088	<i>Kabuli</i>	Ca_Kabuli_Chr01	47449882	(A/C)
2089	CakSNP2089	<i>Kabuli</i>	Ca_Kabuli_Chr01	47801491	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2090	CakSNP2090	<i>Kabuli</i>	Ca_Kabuli_Chr01	47890026	(C/T)
2091	CakSNP2091	<i>Kabuli</i>	Ca_Kabuli_Chr01	47897914	(C/T)
2092	CakSNP2092	<i>Kabuli</i>	Ca_Kabuli_Chr01	47936748	(G/A)
2093	CakSNP2093	<i>Kabuli</i>	Ca_Kabuli_Chr01	47936841	(A/G)
2094	CakSNP2094	<i>Kabuli</i>	Ca_Kabuli_Chr01	47938884	(T/G)
2095	CakSNP2095	<i>Kabuli</i>	Ca_Kabuli_Chr01	47947009	(T/C)
2096	CakSNP2096	<i>Kabuli</i>	Ca_Kabuli_Chr01	47947281	(A/C)
2097	CakSNP2097	<i>Kabuli</i>	Ca_Kabuli_Chr01	48026664	(G/T)
2098	CakSNP2098	<i>Kabuli</i>	Ca_Kabuli_Chr01	48026701	(C/T)
2099	CakSNP2099	<i>Kabuli</i>	Ca_Kabuli_Chr01	48026716	(T/G)
2100	CakSNP2100	<i>Kabuli</i>	Ca_Kabuli_Chr01	48026727	(A/C)
2101	CakSNP2101	<i>Kabuli</i>	Ca_Kabuli_Chr01	48027714	(C/A)
2102	CakSNP2102	<i>Kabuli</i>	Ca_Kabuli_Chr01	48027869	(T/C)
2103	CakSNP2103	<i>Kabuli</i>	Ca_Kabuli_Chr01	48028094	(G/A)
2104	CakSNP2104	<i>Kabuli</i>	Ca_Kabuli_Chr01	48049293	(C/T)
2105	CakSNP2105	<i>Kabuli</i>	Ca_Kabuli_Chr01	48132217	(G/A)
2106	CakSNP2106	<i>Kabuli</i>	Ca_Kabuli_Chr01	48132521	(A/C)
2107	CakSNP2107	<i>Kabuli</i>	Ca_Kabuli_Chr01	48154321	(A/C)
2108	CakSNP2108	<i>Kabuli</i>	Ca_Kabuli_Chr01	48191460	(T/A)
2109	CakSNP2109	<i>Kabuli</i>	Ca_Kabuli_Chr01	48195174	(T/A)
2110	CakSNP2110	<i>Kabuli</i>	Ca_Kabuli_Chr01	48197895	(A/T)
2111	CakSNP2111	<i>Kabuli</i>	Ca_Kabuli_Chr01	48197911	(T/G)
2112	CakSNP2112	<i>Kabuli</i>	Ca_Kabuli_Chr01	48197979	(A/G)
2113	CakSNP2113	<i>Kabuli</i>	Ca_Kabuli_Chr01	48197969	(G/A)
2114	CakSNP2114	<i>Kabuli</i>	Ca_Kabuli_Chr01	48198932	(A/T)
2115	CakSNP2115	<i>Kabuli</i>	Ca_Kabuli_Chr01	48265590	(T/G)
2116	CakSNP2116	<i>Kabuli</i>	Ca_Kabuli_Chr01	48273097	(G/C)
2117	CakSNP2117	<i>Kabuli</i>	Ca_Kabuli_Chr01	48273307	(C/T)
2118	CakSNP2118	<i>Kabuli</i>	Ca_Kabuli_Chr02	113330	(C/T)
2119	CakSNP2119	<i>Kabuli</i>	Ca_Kabuli_Chr02	149250	(C/A)
2120	CakSNP2120	<i>Kabuli</i>	Ca_Kabuli_Chr02	149251	(A/T)
2121	CakSNP2121	<i>Kabuli</i>	Ca_Kabuli_Chr02	149259	(A/C)
2122	CakSNP2122	<i>Kabuli</i>	Ca_Kabuli_Chr02	149269	(C/T)
2123	CakSNP2123	<i>Kabuli</i>	Ca_Kabuli_Chr02	149278	(G/T)
2124	CakSNP2124	<i>Kabuli</i>	Ca_Kabuli_Chr02	149315	(C/A)
2125	CakSNP2125	<i>Kabuli</i>	Ca_Kabuli_Chr02	149322	(C/A)
2126	CakSNP2126	<i>Kabuli</i>	Ca_Kabuli_Chr02	149402	(C/T)
2127	CakSNP2127	<i>Kabuli</i>	Ca_Kabuli_Chr02	149395	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2128	CakSNP2128	<i>Kabuli</i>	Ca_Kabuli_Chr02	189287	(A/G)
2129	CakSNP2129	<i>Kabuli</i>	Ca_Kabuli_Chr02	189784	(C/A)
2130	CakSNP2130	<i>Kabuli</i>	Ca_Kabuli_Chr02	221903	(A/T)
2131	CakSNP2131	<i>Kabuli</i>	Ca_Kabuli_Chr02	221955	(A/G)
2132	CakSNP2132	<i>Kabuli</i>	Ca_Kabuli_Chr02	233589	(C/T)
2133	CakSNP2133	<i>Kabuli</i>	Ca_Kabuli_Chr02	270139	(G/A)
2134	CakSNP2134	<i>Kabuli</i>	Ca_Kabuli_Chr02	354795	(T/C)
2135	CakSNP2135	<i>Kabuli</i>	Ca_Kabuli_Chr02	355905	(T/C)
2136	CakSNP2136	<i>Kabuli</i>	Ca_Kabuli_Chr02	507857	(G/T)
2137	CakSNP2137	<i>Kabuli</i>	Ca_Kabuli_Chr02	522943	(A/G)
2138	CakSNP2138	<i>Kabuli</i>	Ca_Kabuli_Chr02	543360	(G/T)
2139	CakSNP2139	<i>Kabuli</i>	Ca_Kabuli_Chr02	616251	(C/T)
2140	CakSNP2140	<i>Kabuli</i>	Ca_Kabuli_Chr02	616410	(C/G)
2141	CakSNP2141	<i>Kabuli</i>	Ca_Kabuli_Chr02	669304	(A/T)
2142	CakSNP2142	<i>Kabuli</i>	Ca_Kabuli_Chr02	728957	(T/C)
2143	CakSNP2143	<i>Kabuli</i>	Ca_Kabuli_Chr02	737183	(T/G)
2144	CakSNP2144	<i>Kabuli</i>	Ca_Kabuli_Chr02	770164	(A/C)
2145	CakSNP2145	<i>Kabuli</i>	Ca_Kabuli_Chr02	770183	(C/T)
2146	CakSNP2146	<i>Kabuli</i>	Ca_Kabuli_Chr02	770234	(C/T)
2147	CakSNP2147	<i>Kabuli</i>	Ca_Kabuli_Chr02	770237	(C/T)
2148	CakSNP2148	<i>Kabuli</i>	Ca_Kabuli_Chr02	770225	(C/T)
2149	CakSNP2149	<i>Kabuli</i>	Ca_Kabuli_Chr02	770260	(C/T)
2150	CakSNP2150	<i>Kabuli</i>	Ca_Kabuli_Chr02	770266	(C/A)
2151	CakSNP2151	<i>Kabuli</i>	Ca_Kabuli_Chr02	1231486	(A/G)
2152	CakSNP2152	<i>Kabuli</i>	Ca_Kabuli_Chr02	1231500	(A/G)
2153	CakSNP2153	<i>Kabuli</i>	Ca_Kabuli_Chr02	1231519	(T/C)
2154	CakSNP2154	<i>Kabuli</i>	Ca_Kabuli_Chr02	1231618	(G/A)
2155	CakSNP2155	<i>Kabuli</i>	Ca_Kabuli_Chr02	1234932	(C/T)
2156	CakSNP2156	<i>Kabuli</i>	Ca_Kabuli_Chr02	1235018	(G/A)
2157	CakSNP2157	<i>Kabuli</i>	Ca_Kabuli_Chr02	1234983	(T/C)
2158	CakSNP2158	<i>Kabuli</i>	Ca_Kabuli_Chr02	1314367	(G/A)
2159	CakSNP2159	<i>Kabuli</i>	Ca_Kabuli_Chr02	1368911	(A/G)
2160	CakSNP2160	<i>Kabuli</i>	Ca_Kabuli_Chr02	1389661	(A/G)
2161	CakSNP2161	<i>Kabuli</i>	Ca_Kabuli_Chr02	1397779	(C/T)
2162	CakSNP2162	<i>Kabuli</i>	Ca_Kabuli_Chr02	1429186	(T/C)
2163	CakSNP2163	<i>Kabuli</i>	Ca_Kabuli_Chr02	1429471	(G/C)
2164	CakSNP2164	<i>Kabuli</i>	Ca_Kabuli_Chr02	1431368	(A/C)
2165	CakSNP2165	<i>Kabuli</i>	Ca_Kabuli_Chr02	1493971	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2166	CakSNP2166	<i>Kabuli</i>	Ca_Kabuli_Chr02	1610477	(G/T)
2167	CakSNP2167	<i>Kabuli</i>	Ca_Kabuli_Chr02	1668116	(A/G)
2168	CakSNP2168	<i>Kabuli</i>	Ca_Kabuli_Chr02	1713343	(T/C)
2169	CakSNP2169	<i>Kabuli</i>	Ca_Kabuli_Chr02	1797399	(A/G)
2170	CakSNP2170	<i>Kabuli</i>	Ca_Kabuli_Chr02	1801341	(C/T)
2171	CakSNP2171	<i>Kabuli</i>	Ca_Kabuli_Chr02	1828318	(T/C)
2172	CakSNP2172	<i>Kabuli</i>	Ca_Kabuli_Chr02	1828406	(G/A)
2173	CakSNP2173	<i>Kabuli</i>	Ca_Kabuli_Chr02	1829772	(C/T)
2174	CakSNP2174	<i>Kabuli</i>	Ca_Kabuli_Chr02	1835055	(G/A)
2175	CakSNP2175	<i>Kabuli</i>	Ca_Kabuli_Chr02	1841290	(A/T)
2176	CakSNP2176	<i>Kabuli</i>	Ca_Kabuli_Chr02	1841267	(C/T)
2177	CakSNP2177	<i>Kabuli</i>	Ca_Kabuli_Chr02	1867041	(C/A)
2178	CakSNP2178	<i>Kabuli</i>	Ca_Kabuli_Chr02	1882691	(C/T)
2179	CakSNP2179	<i>Kabuli</i>	Ca_Kabuli_Chr02	1884583	(C/T)
2180	CakSNP2180	<i>Kabuli</i>	Ca_Kabuli_Chr02	1884704	(A/G)
2181	CakSNP2181	<i>Kabuli</i>	Ca_Kabuli_Chr02	1888657	(C/G)
2182	CakSNP2182	<i>Kabuli</i>	Ca_Kabuli_Chr02	1953614	(T/C)
2183	CakSNP2183	<i>Kabuli</i>	Ca_Kabuli_Chr02	1997914	(C/T)
2184	CakSNP2184	<i>Kabuli</i>	Ca_Kabuli_Chr02	1998003	(C/T)
2185	CakSNP2185	<i>Kabuli</i>	Ca_Kabuli_Chr02	2086763	(T/G)
2186	CakSNP2186	<i>Kabuli</i>	Ca_Kabuli_Chr02	2220871	(C/T)
2187	CakSNP2187	<i>Kabuli</i>	Ca_Kabuli_Chr02	2227118	(A/G)
2188	CakSNP2188	<i>Kabuli</i>	Ca_Kabuli_Chr02	2227074	(T/C)
2189	CakSNP2189	<i>Kabuli</i>	Ca_Kabuli_Chr02	2227465	(G/A)
2190	CakSNP2190	<i>Kabuli</i>	Ca_Kabuli_Chr02	2230089	(G/A)
2191	CakSNP2191	<i>Kabuli</i>	Ca_Kabuli_Chr02	2230056	(T/C)
2192	CakSNP2192	<i>Kabuli</i>	Ca_Kabuli_Chr02	2230984	(T/G)
2193	CakSNP2193	<i>Kabuli</i>	Ca_Kabuli_Chr02	2230980	(C/A)
2194	CakSNP2194	<i>Kabuli</i>	Ca_Kabuli_Chr02	2230976	(T/G)
2195	CakSNP2195	<i>Kabuli</i>	Ca_Kabuli_Chr02	2246678	(T/C)
2196	CakSNP2196	<i>Kabuli</i>	Ca_Kabuli_Chr02	2311915	(C/A)
2197	CakSNP2197	<i>Kabuli</i>	Ca_Kabuli_Chr02	2311917	(A/C)
2198	CakSNP2198	<i>Kabuli</i>	Ca_Kabuli_Chr02	2312104	(C/T)
2199	CakSNP2199	<i>Kabuli</i>	Ca_Kabuli_Chr02	2312037	(T/G)
2200	CakSNP2200	<i>Kabuli</i>	Ca_Kabuli_Chr02	2344777	(G/A)
2201	CakSNP2201	<i>Kabuli</i>	Ca_Kabuli_Chr02	2344778	(A/G)
2202	CakSNP2202	<i>Kabuli</i>	Ca_Kabuli_Chr02	2344786	(G/A)
2203	CakSNP2203	<i>Kabuli</i>	Ca_Kabuli_Chr02	2344835	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2204	CakSNP2204	<i>Kabuli</i>	Ca_Kabuli_Chr02	2414265	(A/G)
2205	CakSNP2205	<i>Kabuli</i>	Ca_Kabuli_Chr02	2416422	(C/T)
2206	CakSNP2206	<i>Kabuli</i>	Ca_Kabuli_Chr02	2441571	(G/A)
2207	CakSNP2207	<i>Kabuli</i>	Ca_Kabuli_Chr02	2602831	(A/C)
2208	CakSNP2208	<i>Kabuli</i>	Ca_Kabuli_Chr02	2650375	(T/C)
2209	CakSNP2209	<i>Kabuli</i>	Ca_Kabuli_Chr02	2650373	(A/T)
2210	CakSNP2210	<i>Kabuli</i>	Ca_Kabuli_Chr02	2652189	(A/T)
2211	CakSNP2211	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682235	(T/C)
2212	CakSNP2212	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682293	(T/C)
2213	CakSNP2213	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682321	(G/A)
2214	CakSNP2214	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682375	(A/G)
2215	CakSNP2215	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682408	(G/A)
2216	CakSNP2216	<i>Kabuli</i>	Ca_Kabuli_Chr02	2682471	(A/G)
2217	CakSNP2217	<i>Kabuli</i>	Ca_Kabuli_Chr02	2685299	(T/C)
2218	CakSNP2218	<i>Kabuli</i>	Ca_Kabuli_Chr02	2697688	(G/C)
2219	CakSNP2219	<i>Kabuli</i>	Ca_Kabuli_Chr02	2708805	(G/C)
2220	CakSNP2220	<i>Kabuli</i>	Ca_Kabuli_Chr02	2780283	(C/T)
2221	CakSNP2221	<i>Kabuli</i>	Ca_Kabuli_Chr02	2783727	(G/A)
2222	CakSNP2222	<i>Kabuli</i>	Ca_Kabuli_Chr02	2846667	(T/C)
2223	CakSNP2223	<i>Kabuli</i>	Ca_Kabuli_Chr02	2846774	(C/A)
2224	CakSNP2224	<i>Kabuli</i>	Ca_Kabuli_Chr02	2965867	(G/A)
2225	CakSNP2225	<i>Kabuli</i>	Ca_Kabuli_Chr02	3099959	(C/A)
2226	CakSNP2226	<i>Kabuli</i>	Ca_Kabuli_Chr02	3099997	(A/T)
2227	CakSNP2227	<i>Kabuli</i>	Ca_Kabuli_Chr02	3100116	(A/G)
2228	CakSNP2228	<i>Kabuli</i>	Ca_Kabuli_Chr02	3113560	(G/A)
2229	CakSNP2229	<i>Kabuli</i>	Ca_Kabuli_Chr02	3141128	(A/C)
2230	CakSNP2230	<i>Kabuli</i>	Ca_Kabuli_Chr02	3164404	(A/G)
2231	CakSNP2231	<i>Kabuli</i>	Ca_Kabuli_Chr02	3164355	(G/A)
2232	CakSNP2232	<i>Kabuli</i>	Ca_Kabuli_Chr02	3366023	(C/T)
2233	CakSNP2233	<i>Kabuli</i>	Ca_Kabuli_Chr02	3410375	(C/T)
2234	CakSNP2234	<i>Kabuli</i>	Ca_Kabuli_Chr02	3450904	(C/A)
2235	CakSNP2235	<i>Kabuli</i>	Ca_Kabuli_Chr02	3503763	(T/G)
2236	CakSNP2236	<i>Kabuli</i>	Ca_Kabuli_Chr02	3503759	(T/A)
2237	CakSNP2237	<i>Kabuli</i>	Ca_Kabuli_Chr02	3503753	(C/G)
2238	CakSNP2238	<i>Kabuli</i>	Ca_Kabuli_Chr02	3503750	(C/G)
2239	CakSNP2239	<i>Kabuli</i>	Ca_Kabuli_Chr02	3789808	(G/T)
2240	CakSNP2240	<i>Kabuli</i>	Ca_Kabuli_Chr02	3843814	(C/T)
2241	CakSNP2241	<i>Kabuli</i>	Ca_Kabuli_Chr02	3843826	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2242	CakSNP2242	<i>Kabuli</i>	Ca_Kabuli_Chr02	3843836	(G/A)
2243	CakSNP2243	<i>Kabuli</i>	Ca_Kabuli_Chr02	3852203	(C/A)
2244	CakSNP2244	<i>Kabuli</i>	Ca_Kabuli_Chr02	3894041	(G/T)
2245	CakSNP2245	<i>Kabuli</i>	Ca_Kabuli_Chr02	3904757	(G/A)
2246	CakSNP2246	<i>Kabuli</i>	Ca_Kabuli_Chr02	3904761	(A/G)
2247	CakSNP2247	<i>Kabuli</i>	Ca_Kabuli_Chr02	3908928	(A/G)
2248	CakSNP2248	<i>Kabuli</i>	Ca_Kabuli_Chr02	3908955	(G/A)
2249	CakSNP2249	<i>Kabuli</i>	Ca_Kabuli_Chr02	3909068	(G/A)
2250	CakSNP2250	<i>Kabuli</i>	Ca_Kabuli_Chr02	3909062	(C/T)
2251	CakSNP2251	<i>Kabuli</i>	Ca_Kabuli_Chr02	3915549	(A/G)
2252	CakSNP2252	<i>Kabuli</i>	Ca_Kabuli_Chr02	3930211	(A/G)
2253	CakSNP2253	<i>Kabuli</i>	Ca_Kabuli_Chr02	3930182	(A/G)
2254	CakSNP2254	<i>Kabuli</i>	Ca_Kabuli_Chr02	3941397	(A/T)
2255	CakSNP2255	<i>Kabuli</i>	Ca_Kabuli_Chr02	3994150	(A/C)
2256	CakSNP2256	<i>Kabuli</i>	Ca_Kabuli_Chr02	3998491	(A/C)
2257	CakSNP2257	<i>Kabuli</i>	Ca_Kabuli_Chr02	3999615	(C/T)
2258	CakSNP2258	<i>Kabuli</i>	Ca_Kabuli_Chr02	4039745	(T/C)
2259	CakSNP2259	<i>Kabuli</i>	Ca_Kabuli_Chr02	4039854	(G/A)
2260	CakSNP2260	<i>Kabuli</i>	Ca_Kabuli_Chr02	4325658	(A/C)
2261	CakSNP2261	<i>Kabuli</i>	Ca_Kabuli_Chr02	4325684	(C/A)
2262	CakSNP2262	<i>Kabuli</i>	Ca_Kabuli_Chr02	4404813	(C/T)
2263	CakSNP2263	<i>Kabuli</i>	Ca_Kabuli_Chr02	4404797	(G/A)
2264	CakSNP2264	<i>Kabuli</i>	Ca_Kabuli_Chr02	4966216	(C/T)
2265	CakSNP2265	<i>Kabuli</i>	Ca_Kabuli_Chr02	4966168	(G/C)
2266	CakSNP2266	<i>Kabuli</i>	Ca_Kabuli_Chr02	4981626	(A/G)
2267	CakSNP2267	<i>Kabuli</i>	Ca_Kabuli_Chr02	4981698	(C/T)
2268	CakSNP2268	<i>Kabuli</i>	Ca_Kabuli_Chr02	4981686	(T/C)
2269	CakSNP2269	<i>Kabuli</i>	Ca_Kabuli_Chr02	4981666	(G/C)
2270	CakSNP2270	<i>Kabuli</i>	Ca_Kabuli_Chr02	5017291	(T/A)
2271	CakSNP2271	<i>Kabuli</i>	Ca_Kabuli_Chr02	5017330	(G/C)
2272	CakSNP2272	<i>Kabuli</i>	Ca_Kabuli_Chr02	5078323	(T/C)
2273	CakSNP2273	<i>Kabuli</i>	Ca_Kabuli_Chr02	5079639	(C/T)
2274	CakSNP2274	<i>Kabuli</i>	Ca_Kabuli_Chr02	5085761	(A/C)
2275	CakSNP2275	<i>Kabuli</i>	Ca_Kabuli_Chr02	5085836	(G/C)
2276	CakSNP2276	<i>Kabuli</i>	Ca_Kabuli_Chr02	5100017	(T/A)
2277	CakSNP2277	<i>Kabuli</i>	Ca_Kabuli_Chr02	5099985	(A/G)
2278	CakSNP2278	<i>Kabuli</i>	Ca_Kabuli_Chr02	5118370	(A/T)
2279	CakSNP2279	<i>Kabuli</i>	Ca_Kabuli_Chr02	5118364	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2280	CakSNP2280	<i>Kabuli</i>	Ca_Kabuli_Chr02	5141075	(C/T)
2281	CakSNP2281	<i>Kabuli</i>	Ca_Kabuli_Chr02	5141081	(A/T)
2282	CakSNP2282	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247305	(T/C)
2283	CakSNP2283	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247548	(G/T)
2284	CakSNP2284	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247547	(A/G)
2285	CakSNP2285	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247540	(T/C)
2286	CakSNP2286	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247481	(T/A)
2287	CakSNP2287	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247557	(A/C)
2288	CakSNP2288	<i>Kabuli</i>	Ca_Kabuli_Chr02	5247558	(G/T)
2289	CakSNP2289	<i>Kabuli</i>	Ca_Kabuli_Chr02	5259254	(T/C)
2290	CakSNP2290	<i>Kabuli</i>	Ca_Kabuli_Chr02	5276208	(T/C)
2291	CakSNP2291	<i>Kabuli</i>	Ca_Kabuli_Chr02	5342864	(C/A)
2292	CakSNP2292	<i>Kabuli</i>	Ca_Kabuli_Chr02	5342923	(A/G)
2293	CakSNP2293	<i>Kabuli</i>	Ca_Kabuli_Chr02	5359177	(C/A)
2294	CakSNP2294	<i>Kabuli</i>	Ca_Kabuli_Chr02	5449886	(C/T)
2295	CakSNP2295	<i>Kabuli</i>	Ca_Kabuli_Chr02	5449978	(T/C)
2296	CakSNP2296	<i>Kabuli</i>	Ca_Kabuli_Chr02	5449907	(G/A)
2297	CakSNP2297	<i>Kabuli</i>	Ca_Kabuli_Chr02	5462902	(A/T)
2298	CakSNP2298	<i>Kabuli</i>	Ca_Kabuli_Chr02	5468575	(A/T)
2299	CakSNP2299	<i>Kabuli</i>	Ca_Kabuli_Chr02	5475329	(C/A)
2300	CakSNP2300	<i>Kabuli</i>	Ca_Kabuli_Chr02	5475344	(A/G)
2301	CakSNP2301	<i>Kabuli</i>	Ca_Kabuli_Chr02	5475365	(T/C)
2302	CakSNP2302	<i>Kabuli</i>	Ca_Kabuli_Chr02	5475407	(C/T)
2303	CakSNP2303	<i>Kabuli</i>	Ca_Kabuli_Chr02	5504300	(T/G)
2304	CakSNP2304	<i>Kabuli</i>	Ca_Kabuli_Chr02	5601092	(G/C)
2305	CakSNP2305	<i>Kabuli</i>	Ca_Kabuli_Chr02	5787862	(G/A)
2306	CakSNP2306	<i>Kabuli</i>	Ca_Kabuli_Chr02	5787887	(A/C)
2307	CakSNP2307	<i>Kabuli</i>	Ca_Kabuli_Chr02	5877688	(A/G)
2308	CakSNP2308	<i>Kabuli</i>	Ca_Kabuli_Chr02	5881503	(A/G)
2309	CakSNP2309	<i>Kabuli</i>	Ca_Kabuli_Chr02	5897314	(T/C)
2310	CakSNP2310	<i>Kabuli</i>	Ca_Kabuli_Chr02	5904368	(T/C)
2311	CakSNP2311	<i>Kabuli</i>	Ca_Kabuli_Chr02	5936796	(C/A)
2312	CakSNP2312	<i>Kabuli</i>	Ca_Kabuli_Chr02	5936902	(A/T)
2313	CakSNP2313	<i>Kabuli</i>	Ca_Kabuli_Chr02	6042131	(G/A)
2314	CakSNP2314	<i>Kabuli</i>	Ca_Kabuli_Chr02	6042139	(C/A)
2315	CakSNP2315	<i>Kabuli</i>	Ca_Kabuli_Chr02	6042210	(C/A)
2316	CakSNP2316	<i>Kabuli</i>	Ca_Kabuli_Chr02	6060259	(G/C)
2317	CakSNP2317	<i>Kabuli</i>	Ca_Kabuli_Chr02	6130301	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2318	CakSNP2318	<i>Kabuli</i>	Ca_Kabuli_Chr02	6130257	(C/A)
2319	CakSNP2319	<i>Kabuli</i>	Ca_Kabuli_Chr02	6130247	(G/C)
2320	CakSNP2320	<i>Kabuli</i>	Ca_Kabuli_Chr02	6162378	(T/G)
2321	CakSNP2321	<i>Kabuli</i>	Ca_Kabuli_Chr02	6162406	(G/C)
2322	CakSNP2322	<i>Kabuli</i>	Ca_Kabuli_Chr02	6213582	(T/A)
2323	CakSNP2323	<i>Kabuli</i>	Ca_Kabuli_Chr02	6213580	(C/A)
2324	CakSNP2324	<i>Kabuli</i>	Ca_Kabuli_Chr02	6213566	(C/T)
2325	CakSNP2325	<i>Kabuli</i>	Ca_Kabuli_Chr02	6213530	(C/A)
2326	CakSNP2326	<i>Kabuli</i>	Ca_Kabuli_Chr02	6213520	(G/T)
2327	CakSNP2327	<i>Kabuli</i>	Ca_Kabuli_Chr02	6349208	(T/G)
2328	CakSNP2328	<i>Kabuli</i>	Ca_Kabuli_Chr02	6367649	(A/G)
2329	CakSNP2329	<i>Kabuli</i>	Ca_Kabuli_Chr02	6367704	(A/G)
2330	CakSNP2330	<i>Kabuli</i>	Ca_Kabuli_Chr02	6391819	(T/C)
2331	CakSNP2331	<i>Kabuli</i>	Ca_Kabuli_Chr02	6392158	(A/T)
2332	CakSNP2332	<i>Kabuli</i>	Ca_Kabuli_Chr02	6392209	(G/A)
2333	CakSNP2333	<i>Kabuli</i>	Ca_Kabuli_Chr02	6392272	(T/C)
2334	CakSNP2334	<i>Kabuli</i>	Ca_Kabuli_Chr02	6392254	(T/C)
2335	CakSNP2335	<i>Kabuli</i>	Ca_Kabuli_Chr02	6392449	(A/G)
2336	CakSNP2336	<i>Kabuli</i>	Ca_Kabuli_Chr02	6397551	(A/G)
2337	CakSNP2337	<i>Kabuli</i>	Ca_Kabuli_Chr02	6397597	(A/C)
2338	CakSNP2338	<i>Kabuli</i>	Ca_Kabuli_Chr02	6408406	(C/A)
2339	CakSNP2339	<i>Kabuli</i>	Ca_Kabuli_Chr02	6534776	(C/A)
2340	CakSNP2340	<i>Kabuli</i>	Ca_Kabuli_Chr02	6537296	(G/T)
2341	CakSNP2341	<i>Kabuli</i>	Ca_Kabuli_Chr02	6537300	(G/T)
2342	CakSNP2342	<i>Kabuli</i>	Ca_Kabuli_Chr02	6727932	(G/C)
2343	CakSNP2343	<i>Kabuli</i>	Ca_Kabuli_Chr02	6727905	(G/C)
2344	CakSNP2344	<i>Kabuli</i>	Ca_Kabuli_Chr02	6727900	(G/C)
2345	CakSNP2345	<i>Kabuli</i>	Ca_Kabuli_Chr02	6728716	(A/T)
2346	CakSNP2346	<i>Kabuli</i>	Ca_Kabuli_Chr02	6728719	(C/T)
2347	CakSNP2347	<i>Kabuli</i>	Ca_Kabuli_Chr02	6728763	(T/C)
2348	CakSNP2348	<i>Kabuli</i>	Ca_Kabuli_Chr02	6989950	(A/G)
2349	CakSNP2349	<i>Kabuli</i>	Ca_Kabuli_Chr02	6990083	(G/A)
2350	CakSNP2350	<i>Kabuli</i>	Ca_Kabuli_Chr02	7007701	(G/C)
2351	CakSNP2351	<i>Kabuli</i>	Ca_Kabuli_Chr02	7027093	(G/A)
2352	CakSNP2352	<i>Kabuli</i>	Ca_Kabuli_Chr02	7027146	(T/C)
2353	CakSNP2353	<i>Kabuli</i>	Ca_Kabuli_Chr02	7047195	(C/A)
2354	CakSNP2354	<i>Kabuli</i>	Ca_Kabuli_Chr02	7047196	(T/C)
2355	CakSNP2355	<i>Kabuli</i>	Ca_Kabuli_Chr02	7047197	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2356	CakSNP2356	<i>Kabuli</i>	Ca_Kabuli_Chr02	7051451	(G/A)
2357	CakSNP2357	<i>Kabuli</i>	Ca_Kabuli_Chr02	7125992	(T/G)
2358	CakSNP2358	<i>Kabuli</i>	Ca_Kabuli_Chr02	7126018	(T/G)
2359	CakSNP2359	<i>Kabuli</i>	Ca_Kabuli_Chr02	7507259	(C/A)
2360	CakSNP2360	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633520	(G/A)
2361	CakSNP2361	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633547	(C/T)
2362	CakSNP2362	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633564	(G/T)
2363	CakSNP2363	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633572	(T/C)
2364	CakSNP2364	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633605	(T/A)
2365	CakSNP2365	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633592	(G/A)
2366	CakSNP2366	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633585	(G/A)
2367	CakSNP2367	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633869	(G/A)
2368	CakSNP2368	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633826	(G/A)
2369	CakSNP2369	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633818	(G/A)
2370	CakSNP2370	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633816	(G/A)
2371	CakSNP2371	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633813	(G/T)
2372	CakSNP2372	<i>Kabuli</i>	Ca_Kabuli_Chr02	7633793	(C/T)
2373	CakSNP2373	<i>Kabuli</i>	Ca_Kabuli_Chr02	7634041	(G/A)
2374	CakSNP2374	<i>Kabuli</i>	Ca_Kabuli_Chr02	7679627	(A/T)
2375	CakSNP2375	<i>Kabuli</i>	Ca_Kabuli_Chr02	7679693	(C/G)
2376	CakSNP2376	<i>Kabuli</i>	Ca_Kabuli_Chr02	7701189	(T/G)
2377	CakSNP2377	<i>Kabuli</i>	Ca_Kabuli_Chr02	7701199	(T/G)
2378	CakSNP2378	<i>Kabuli</i>	Ca_Kabuli_Chr02	7701216	(T/G)
2379	CakSNP2379	<i>Kabuli</i>	Ca_Kabuli_Chr02	7701230	(T/G)
2380	CakSNP2380	<i>Kabuli</i>	Ca_Kabuli_Chr02	7702468	(A/T)
2381	CakSNP2381	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708668	(C/T)
2382	CakSNP2382	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708663	(T/C)
2383	CakSNP2383	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708660	(G/A)
2384	CakSNP2384	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708630	(C/A)
2385	CakSNP2385	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708617	(G/T)
2386	CakSNP2386	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708603	(C/T)
2387	CakSNP2387	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708598	(C/T)
2388	CakSNP2388	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708596	(T/C)
2389	CakSNP2389	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708590	(A/T)
2390	CakSNP2390	<i>Kabuli</i>	Ca_Kabuli_Chr02	7708678	(C/T)
2391	CakSNP2391	<i>Kabuli</i>	Ca_Kabuli_Chr02	7712181	(C/T)
2392	CakSNP2392	<i>Kabuli</i>	Ca_Kabuli_Chr02	7712155	(G/T)
2393	CakSNP2393	<i>Kabuli</i>	Ca_Kabuli_Chr02	7714392	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2394	CakSNP2394	<i>Kabuli</i>	Ca_Kabuli_Chr02	7714454	(A/G)
2395	CakSNP2395	<i>Kabuli</i>	Ca_Kabuli_Chr02	7714463	(T/C)
2396	CakSNP2396	<i>Kabuli</i>	Ca_Kabuli_Chr02	7753419	(G/C)
2397	CakSNP2397	<i>Kabuli</i>	Ca_Kabuli_Chr02	7753425	(T/C)
2398	CakSNP2398	<i>Kabuli</i>	Ca_Kabuli_Chr02	7753440	(C/T)
2399	CakSNP2399	<i>Kabuli</i>	Ca_Kabuli_Chr02	7819281	(T/C)
2400	CakSNP2400	<i>Kabuli</i>	Ca_Kabuli_Chr02	7870919	(G/T)
2401	CakSNP2401	<i>Kabuli</i>	Ca_Kabuli_Chr02	7870943	(T/G)
2402	CakSNP2402	<i>Kabuli</i>	Ca_Kabuli_Chr02	7938890	(T/C)
2403	CakSNP2403	<i>Kabuli</i>	Ca_Kabuli_Chr02	8337517	(C/T)
2404	CakSNP2404	<i>Kabuli</i>	Ca_Kabuli_Chr02	8484840	(A/T)
2405	CakSNP2405	<i>Kabuli</i>	Ca_Kabuli_Chr02	8487331	(T/A)
2406	CakSNP2406	<i>Kabuli</i>	Ca_Kabuli_Chr02	8487343	(C/T)
2407	CakSNP2407	<i>Kabuli</i>	Ca_Kabuli_Chr02	8489241	(C/A)
2408	CakSNP2408	<i>Kabuli</i>	Ca_Kabuli_Chr02	8489237	(G/A)
2409	CakSNP2409	<i>Kabuli</i>	Ca_Kabuli_Chr02	8489172	(C/A)
2410	CakSNP2410	<i>Kabuli</i>	Ca_Kabuli_Chr02	8600256	(C/G)
2411	CakSNP2411	<i>Kabuli</i>	Ca_Kabuli_Chr02	8600298	(A/G)
2412	CakSNP2412	<i>Kabuli</i>	Ca_Kabuli_Chr02	8600309	(T/C)
2413	CakSNP2413	<i>Kabuli</i>	Ca_Kabuli_Chr02	8600450	(C/T)
2414	CakSNP2414	<i>Kabuli</i>	Ca_Kabuli_Chr02	8600666	(T/C)
2415	CakSNP2415	<i>Kabuli</i>	Ca_Kabuli_Chr02	8685674	(G/A)
2416	CakSNP2416	<i>Kabuli</i>	Ca_Kabuli_Chr02	8719725	(T/A)
2417	CakSNP2417	<i>Kabuli</i>	Ca_Kabuli_Chr02	8734136	(G/A)
2418	CakSNP2418	<i>Kabuli</i>	Ca_Kabuli_Chr02	8802884	(A/G)
2419	CakSNP2419	<i>Kabuli</i>	Ca_Kabuli_Chr02	9458933	(C/T)
2420	CakSNP2420	<i>Kabuli</i>	Ca_Kabuli_Chr02	9458985	(A/G)
2421	CakSNP2421	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473339	(T/C)
2422	CakSNP2422	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473353	(C/A)
2423	CakSNP2423	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473362	(G/A)
2424	CakSNP2424	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473380	(A/G)
2425	CakSNP2425	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473393	(G/A)
2426	CakSNP2426	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473474	(T/A)
2427	CakSNP2427	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473452	(A/G)
2428	CakSNP2428	<i>Kabuli</i>	Ca_Kabuli_Chr02	9473430	(A/G)
2429	CakSNP2429	<i>Kabuli</i>	Ca_Kabuli_Chr02	9621953	(A/C)
2430	CakSNP2430	<i>Kabuli</i>	Ca_Kabuli_Chr02	9740018	(G/A)
2431	CakSNP2431	<i>Kabuli</i>	Ca_Kabuli_Chr02	9740017	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2432	CakSNP2432	<i>Kabuli</i>	Ca_Kabuli_Chr02	9740010	(A/G)
2433	CakSNP2433	<i>Kabuli</i>	Ca_Kabuli_Chr02	9740007	(A/G)
2434	CakSNP2434	<i>Kabuli</i>	Ca_Kabuli_Chr02	9739980	(G/C)
2435	CakSNP2435	<i>Kabuli</i>	Ca_Kabuli_Chr02	9739974	(T/C)
2436	CakSNP2436	<i>Kabuli</i>	Ca_Kabuli_Chr02	9739959	(T/C)
2437	CakSNP2437	<i>Kabuli</i>	Ca_Kabuli_Chr02	9739965	(A/G)
2438	CakSNP2438	<i>Kabuli</i>	Ca_Kabuli_Chr02	9756955	(G/A)
2439	CakSNP2439	<i>Kabuli</i>	Ca_Kabuli_Chr02	9756946	(C/T)
2440	CakSNP2440	<i>Kabuli</i>	Ca_Kabuli_Chr02	9756910	(G/A)
2441	CakSNP2441	<i>Kabuli</i>	Ca_Kabuli_Chr02	9756887	(G/T)
2442	CakSNP2442	<i>Kabuli</i>	Ca_Kabuli_Chr02	9823224	(G/A)
2443	CakSNP2443	<i>Kabuli</i>	Ca_Kabuli_Chr02	9823165	(T/C)
2444	CakSNP2444	<i>Kabuli</i>	Ca_Kabuli_Chr02	9825526	(C/G)
2445	CakSNP2445	<i>Kabuli</i>	Ca_Kabuli_Chr02	9841625	(A/G)
2446	CakSNP2446	<i>Kabuli</i>	Ca_Kabuli_Chr02	9862794	(A/G)
2447	CakSNP2447	<i>Kabuli</i>	Ca_Kabuli_Chr02	9906042	(T/G)
2448	CakSNP2448	<i>Kabuli</i>	Ca_Kabuli_Chr02	9906077	(T/A)
2449	CakSNP2449	<i>Kabuli</i>	Ca_Kabuli_Chr02	9918536	(T/A)
2450	CakSNP2450	<i>Kabuli</i>	Ca_Kabuli_Chr02	9943370	(A/G)
2451	CakSNP2451	<i>Kabuli</i>	Ca_Kabuli_Chr02	9943374	(C/T)
2452	CakSNP2452	<i>Kabuli</i>	Ca_Kabuli_Chr02	9943404	(T/G)
2453	CakSNP2453	<i>Kabuli</i>	Ca_Kabuli_Chr02	9986639	(C/T)
2454	CakSNP2454	<i>Kabuli</i>	Ca_Kabuli_Chr02	9986683	(C/T)
2455	CakSNP2455	<i>Kabuli</i>	Ca_Kabuli_Chr02	10004694	(G/A)
2456	CakSNP2456	<i>Kabuli</i>	Ca_Kabuli_Chr02	10025451	(G/A)
2457	CakSNP2457	<i>Kabuli</i>	Ca_Kabuli_Chr02	10033991	(T/C)
2458	CakSNP2458	<i>Kabuli</i>	Ca_Kabuli_Chr02	10060196	(G/T)
2459	CakSNP2459	<i>Kabuli</i>	Ca_Kabuli_Chr02	10060200	(G/T)
2460	CakSNP2460	<i>Kabuli</i>	Ca_Kabuli_Chr02	10060207	(C/T)
2461	CakSNP2461	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067093	(G/C)
2462	CakSNP2462	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067078	(T/G)
2463	CakSNP2463	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067061	(T/G)
2464	CakSNP2464	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067195	(T/A)
2465	CakSNP2465	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067262	(A/C)
2466	CakSNP2466	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067278	(G/T)
2467	CakSNP2467	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067285	(T/G)
2468	CakSNP2468	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067286	(A/T)
2469	CakSNP2469	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067451	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2470	CakSNP2470	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067516	(G/A)
2471	CakSNP2471	<i>Kabuli</i>	Ca_Kabuli_Chr02	10067538	(C/T)
2472	CakSNP2472	<i>Kabuli</i>	Ca_Kabuli_Chr02	10068214	(A/G)
2473	CakSNP2473	<i>Kabuli</i>	Ca_Kabuli_Chr02	10220396	(T/C)
2474	CakSNP2474	<i>Kabuli</i>	Ca_Kabuli_Chr02	10270474	(C/A)
2475	CakSNP2475	<i>Kabuli</i>	Ca_Kabuli_Chr02	10284426	(C/G)
2476	CakSNP2476	<i>Kabuli</i>	Ca_Kabuli_Chr02	10294698	(A/G)
2477	CakSNP2477	<i>Kabuli</i>	Ca_Kabuli_Chr02	10294635	(T/C)
2478	CakSNP2478	<i>Kabuli</i>	Ca_Kabuli_Chr02	10322943	(T/C)
2479	CakSNP2479	<i>Kabuli</i>	Ca_Kabuli_Chr02	10352705	(T/A)
2480	CakSNP2480	<i>Kabuli</i>	Ca_Kabuli_Chr02	10358484	(C/T)
2481	CakSNP2481	<i>Kabuli</i>	Ca_Kabuli_Chr02	10358496	(G/T)
2482	CakSNP2482	<i>Kabuli</i>	Ca_Kabuli_Chr02	10377695	(G/A)
2483	CakSNP2483	<i>Kabuli</i>	Ca_Kabuli_Chr02	10434727	(T/C)
2484	CakSNP2484	<i>Kabuli</i>	Ca_Kabuli_Chr02	10434726	(G/C)
2485	CakSNP2485	<i>Kabuli</i>	Ca_Kabuli_Chr02	10434714	(C/G)
2486	CakSNP2486	<i>Kabuli</i>	Ca_Kabuli_Chr02	10540735	(C/T)
2487	CakSNP2487	<i>Kabuli</i>	Ca_Kabuli_Chr02	10637631	(C/A)
2488	CakSNP2488	<i>Kabuli</i>	Ca_Kabuli_Chr02	10656518	(A/T)
2489	CakSNP2489	<i>Kabuli</i>	Ca_Kabuli_Chr02	10705902	(C/A)
2490	CakSNP2490	<i>Kabuli</i>	Ca_Kabuli_Chr02	10705923	(T/A)
2491	CakSNP2491	<i>Kabuli</i>	Ca_Kabuli_Chr02	10705979	(C/A)
2492	CakSNP2492	<i>Kabuli</i>	Ca_Kabuli_Chr02	10705982	(C/T)
2493	CakSNP2493	<i>Kabuli</i>	Ca_Kabuli_Chr02	10760939	(G/A)
2494	CakSNP2494	<i>Kabuli</i>	Ca_Kabuli_Chr02	10761036	(C/G)
2495	CakSNP2495	<i>Kabuli</i>	Ca_Kabuli_Chr02	11799472	(G/A)
2496	CakSNP2496	<i>Kabuli</i>	Ca_Kabuli_Chr02	11799462	(G/A)
2497	CakSNP2497	<i>Kabuli</i>	Ca_Kabuli_Chr02	12252285	(T/G)
2498	CakSNP2498	<i>Kabuli</i>	Ca_Kabuli_Chr02	12252370	(A/G)
2499	CakSNP2499	<i>Kabuli</i>	Ca_Kabuli_Chr02	12278583	(G/A)
2500	CakSNP2500	<i>Kabuli</i>	Ca_Kabuli_Chr02	12278584	(T/C)
2501	CakSNP2501	<i>Kabuli</i>	Ca_Kabuli_Chr02	12278606	(T/C)
2502	CakSNP2502	<i>Kabuli</i>	Ca_Kabuli_Chr02	12281599	(A/C)
2503	CakSNP2503	<i>Kabuli</i>	Ca_Kabuli_Chr02	12357732	(A/G)
2504	CakSNP2504	<i>Kabuli</i>	Ca_Kabuli_Chr02	12389166	(G/T)
2505	CakSNP2505	<i>Kabuli</i>	Ca_Kabuli_Chr02	12389112	(G/A)
2506	CakSNP2506	<i>Kabuli</i>	Ca_Kabuli_Chr02	12515595	(A/G)
2507	CakSNP2507	<i>Kabuli</i>	Ca_Kabuli_Chr02	12528825	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2508	CakSNP2508	<i>Kabuli</i>	Ca_Kabuli_Chr02	12710137	(G/A)
2509	CakSNP2509	<i>Kabuli</i>	Ca_Kabuli_Chr02	12737814	(T/C)
2510	CakSNP2510	<i>Kabuli</i>	Ca_Kabuli_Chr02	12794438	(G/A)
2511	CakSNP2511	<i>Kabuli</i>	Ca_Kabuli_Chr02	12854610	(A/G)
2512	CakSNP2512	<i>Kabuli</i>	Ca_Kabuli_Chr02	12854591	(T/A)
2513	CakSNP2513	<i>Kabuli</i>	Ca_Kabuli_Chr02	12854586	(G/A)
2514	CakSNP2514	<i>Kabuli</i>	Ca_Kabuli_Chr02	12862414	(G/C)
2515	CakSNP2515	<i>Kabuli</i>	Ca_Kabuli_Chr02	13079417	(T/G)
2516	CakSNP2516	<i>Kabuli</i>	Ca_Kabuli_Chr02	13079445	(T/G)
2517	CakSNP2517	<i>Kabuli</i>	Ca_Kabuli_Chr02	13217781	(T/C)
2518	CakSNP2518	<i>Kabuli</i>	Ca_Kabuli_Chr02	13355018	(T/G)
2519	CakSNP2519	<i>Kabuli</i>	Ca_Kabuli_Chr02	13355022	(G/T)
2520	CakSNP2520	<i>Kabuli</i>	Ca_Kabuli_Chr02	13355033	(A/T)
2521	CakSNP2521	<i>Kabuli</i>	Ca_Kabuli_Chr02	13355615	(T/G)
2522	CakSNP2522	<i>Kabuli</i>	Ca_Kabuli_Chr02	13425568	(T/A)
2523	CakSNP2523	<i>Kabuli</i>	Ca_Kabuli_Chr02	13434904	(G/A)
2524	CakSNP2524	<i>Kabuli</i>	Ca_Kabuli_Chr02	13434884	(T/A)
2525	CakSNP2525	<i>Kabuli</i>	Ca_Kabuli_Chr02	13435043	(C/T)
2526	CakSNP2526	<i>Kabuli</i>	Ca_Kabuli_Chr02	13435030	(G/C)
2527	CakSNP2527	<i>Kabuli</i>	Ca_Kabuli_Chr02	13434995	(A/C)
2528	CakSNP2528	<i>Kabuli</i>	Ca_Kabuli_Chr02	13437317	(A/G)
2529	CakSNP2529	<i>Kabuli</i>	Ca_Kabuli_Chr02	13529057	(G/A)
2530	CakSNP2530	<i>Kabuli</i>	Ca_Kabuli_Chr02	13552505	(T/A)
2531	CakSNP2531	<i>Kabuli</i>	Ca_Kabuli_Chr02	13554038	(T/C)
2532	CakSNP2532	<i>Kabuli</i>	Ca_Kabuli_Chr02	13554045	(T/C)
2533	CakSNP2533	<i>Kabuli</i>	Ca_Kabuli_Chr02	13554047	(A/T)
2534	CakSNP2534	<i>Kabuli</i>	Ca_Kabuli_Chr02	13703083	(G/A)
2535	CakSNP2535	<i>Kabuli</i>	Ca_Kabuli_Chr02	13782906	(C/A)
2536	CakSNP2536	<i>Kabuli</i>	Ca_Kabuli_Chr02	14101913	(T/A)
2537	CakSNP2537	<i>Kabuli</i>	Ca_Kabuli_Chr02	14134413	(A/C)
2538	CakSNP2538	<i>Kabuli</i>	Ca_Kabuli_Chr02	14134676	(T/C)
2539	CakSNP2539	<i>Kabuli</i>	Ca_Kabuli_Chr02	14136062	(C/A)
2540	CakSNP2540	<i>Kabuli</i>	Ca_Kabuli_Chr02	14136019	(A/G)
2541	CakSNP2541	<i>Kabuli</i>	Ca_Kabuli_Chr02	14136013	(T/G)
2542	CakSNP2542	<i>Kabuli</i>	Ca_Kabuli_Chr02	14136223	(A/C)
2543	CakSNP2543	<i>Kabuli</i>	Ca_Kabuli_Chr02	15160301	(T/C)
2544	CakSNP2544	<i>Kabuli</i>	Ca_Kabuli_Chr02	15178565	(G/A)
2545	CakSNP2545	<i>Kabuli</i>	Ca_Kabuli_Chr02	15178564	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2546	CakSNP2546	<i>Kabuli</i>	Ca_Kabuli_Chr02	15178540	(A/G)
2547	CakSNP2547	<i>Kabuli</i>	Ca_Kabuli_Chr02	15181635	(G/T)
2548	CakSNP2548	<i>Kabuli</i>	Ca_Kabuli_Chr02	15234951	(C/A)
2549	CakSNP2549	<i>Kabuli</i>	Ca_Kabuli_Chr02	15389412	(G/A)
2550	CakSNP2550	<i>Kabuli</i>	Ca_Kabuli_Chr02	15390673	(A/G)
2551	CakSNP2551	<i>Kabuli</i>	Ca_Kabuli_Chr02	15390731	(G/A)
2552	CakSNP2552	<i>Kabuli</i>	Ca_Kabuli_Chr02	15390684	(A/G)
2553	CakSNP2553	<i>Kabuli</i>	Ca_Kabuli_Chr02	15688657	(G/T)
2554	CakSNP2554	<i>Kabuli</i>	Ca_Kabuli_Chr02	15817688	(T/C)
2555	CakSNP2555	<i>Kabuli</i>	Ca_Kabuli_Chr02	16460174	(G/A)
2556	CakSNP2556	<i>Kabuli</i>	Ca_Kabuli_Chr02	16460142	(A/G)
2557	CakSNP2557	<i>Kabuli</i>	Ca_Kabuli_Chr02	16460097	(C/A)
2558	CakSNP2558	<i>Kabuli</i>	Ca_Kabuli_Chr02	16460106	(C/T)
2559	CakSNP2559	<i>Kabuli</i>	Ca_Kabuli_Chr02	16460175	(C/A)
2560	CakSNP2560	<i>Kabuli</i>	Ca_Kabuli_Chr02	16462095	(A/G)
2561	CakSNP2561	<i>Kabuli</i>	Ca_Kabuli_Chr02	16462089	(C/T)
2562	CakSNP2562	<i>Kabuli</i>	Ca_Kabuli_Chr02	16462056	(A/C)
2563	CakSNP2563	<i>Kabuli</i>	Ca_Kabuli_Chr02	16462038	(G/T)
2564	CakSNP2564	<i>Kabuli</i>	Ca_Kabuli_Chr02	16555733	(C/T)
2565	CakSNP2565	<i>Kabuli</i>	Ca_Kabuli_Chr02	16555790	(C/G)
2566	CakSNP2566	<i>Kabuli</i>	Ca_Kabuli_Chr02	16563117	(A/T)
2567	CakSNP2567	<i>Kabuli</i>	Ca_Kabuli_Chr02	16563121	(A/T)
2568	CakSNP2568	<i>Kabuli</i>	Ca_Kabuli_Chr02	16563123	(C/T)
2569	CakSNP2569	<i>Kabuli</i>	Ca_Kabuli_Chr02	16563125	(A/T)
2570	CakSNP2570	<i>Kabuli</i>	Ca_Kabuli_Chr02	16563133	(A/T)
2571	CakSNP2571	<i>Kabuli</i>	Ca_Kabuli_Chr02	16705119	(C/T)
2572	CakSNP2572	<i>Kabuli</i>	Ca_Kabuli_Chr02	17450780	(C/T)
2573	CakSNP2573	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578623	(G/A)
2574	CakSNP2574	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578633	(C/G)
2575	CakSNP2575	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578659	(A/G)
2576	CakSNP2576	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578689	(G/A)
2577	CakSNP2577	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578663	(C/A)
2578	CakSNP2578	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578676	(T/C)
2579	CakSNP2579	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578701	(A/C)
2580	CakSNP2580	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578706	(A/T)
2581	CakSNP2581	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578726	(A/T)
2582	CakSNP2582	<i>Kabuli</i>	Ca_Kabuli_Chr02	17578740	(A/G)
2583	CakSNP2583	<i>Kabuli</i>	Ca_Kabuli_Chr02	17681915	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2584	CakSNP2584	<i>Kabuli</i>	Ca_Kabuli_Chr02	17716022	(A/T)
2585	CakSNP2585	<i>Kabuli</i>	Ca_Kabuli_Chr02	17727340	(G/A)
2586	CakSNP2586	<i>Kabuli</i>	Ca_Kabuli_Chr02	17727362	(G/C)
2587	CakSNP2587	<i>Kabuli</i>	Ca_Kabuli_Chr02	17727403	(C/T)
2588	CakSNP2588	<i>Kabuli</i>	Ca_Kabuli_Chr02	17839209	(T/A)
2589	CakSNP2589	<i>Kabuli</i>	Ca_Kabuli_Chr02	17839297	(T/C)
2590	CakSNP2590	<i>Kabuli</i>	Ca_Kabuli_Chr02	17910111	(C/G)
2591	CakSNP2591	<i>Kabuli</i>	Ca_Kabuli_Chr02	17910145	(C/T)
2592	CakSNP2592	<i>Kabuli</i>	Ca_Kabuli_Chr02	17910783	(A/T)
2593	CakSNP2593	<i>Kabuli</i>	Ca_Kabuli_Chr02	18312200	(T/C)
2594	CakSNP2594	<i>Kabuli</i>	Ca_Kabuli_Chr02	18395345	(A/C)
2595	CakSNP2595	<i>Kabuli</i>	Ca_Kabuli_Chr02	18395410	(T/C)
2596	CakSNP2596	<i>Kabuli</i>	Ca_Kabuli_Chr02	18395378	(A/G)
2597	CakSNP2597	<i>Kabuli</i>	Ca_Kabuli_Chr02	18546345	(T/C)
2598	CakSNP2598	<i>Kabuli</i>	Ca_Kabuli_Chr02	18546366	(A/T)
2599	CakSNP2599	<i>Kabuli</i>	Ca_Kabuli_Chr02	18631367	(T/A)
2600	CakSNP2600	<i>Kabuli</i>	Ca_Kabuli_Chr02	18631383	(A/G)
2601	CakSNP2601	<i>Kabuli</i>	Ca_Kabuli_Chr02	18631404	(T/G)
2602	CakSNP2602	<i>Kabuli</i>	Ca_Kabuli_Chr02	18631412	(T/G)
2603	CakSNP2603	<i>Kabuli</i>	Ca_Kabuli_Chr02	18631522	(A/C)
2604	CakSNP2604	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671692	(C/A)
2605	CakSNP2605	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671672	(T/A)
2606	CakSNP2606	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671666	(C/T)
2607	CakSNP2607	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671637	(G/A)
2608	CakSNP2608	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671618	(T/G)
2609	CakSNP2609	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671723	(C/G)
2610	CakSNP2610	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671746	(C/T)
2611	CakSNP2611	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671756	(T/A)
2612	CakSNP2612	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671765	(C/A)
2613	CakSNP2613	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671767	(G/C)
2614	CakSNP2614	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671785	(G/A)
2615	CakSNP2615	<i>Kabuli</i>	Ca_Kabuli_Chr02	18671824	(C/T)
2616	CakSNP2616	<i>Kabuli</i>	Ca_Kabuli_Chr02	20392224	(A/G)
2617	CakSNP2617	<i>Kabuli</i>	Ca_Kabuli_Chr02	20762187	(A/G)
2618	CakSNP2618	<i>Kabuli</i>	Ca_Kabuli_Chr02	20762205	(A/T)
2619	CakSNP2619	<i>Kabuli</i>	Ca_Kabuli_Chr02	21000509	(C/T)
2620	CakSNP2620	<i>Kabuli</i>	Ca_Kabuli_Chr02	21000466	(C/T)
2621	CakSNP2621	<i>Kabuli</i>	Ca_Kabuli_Chr02	21000463	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2622	CakSNP2622	<i>Kabuli</i>	Ca_Kabuli_Chr02	21849874	(A/T)
2623	CakSNP2623	<i>Kabuli</i>	Ca_Kabuli_Chr02	21906952	(A/G)
2624	CakSNP2624	<i>Kabuli</i>	Ca_Kabuli_Chr02	21965365	(T/C)
2625	CakSNP2625	<i>Kabuli</i>	Ca_Kabuli_Chr02	22158593	(C/T)
2626	CakSNP2626	<i>Kabuli</i>	Ca_Kabuli_Chr02	22158602	(C/T)
2627	CakSNP2627	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190700	(C/T)
2628	CakSNP2628	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190743	(C/T)
2629	CakSNP2629	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190748	(G/T)
2630	CakSNP2630	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190751	(C/T)
2631	CakSNP2631	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190756	(C/A)
2632	CakSNP2632	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190753	(C/T)
2633	CakSNP2633	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190790	(G/A)
2634	CakSNP2634	<i>Kabuli</i>	Ca_Kabuli_Chr02	22190815	(C/T)
2635	CakSNP2635	<i>Kabuli</i>	Ca_Kabuli_Chr02	22205024	(G/C)
2636	CakSNP2636	<i>Kabuli</i>	Ca_Kabuli_Chr02	22347405	(C/T)
2637	CakSNP2637	<i>Kabuli</i>	Ca_Kabuli_Chr02	22415930	(C/T)
2638	CakSNP2638	<i>Kabuli</i>	Ca_Kabuli_Chr02	22416899	(A/C)
2639	CakSNP2639	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419501	(C/G)
2640	CakSNP2640	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419513	(T/C)
2641	CakSNP2641	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419514	(C/T)
2642	CakSNP2642	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419529	(T/C)
2643	CakSNP2643	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419625	(C/T)
2644	CakSNP2644	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419633	(C/T)
2645	CakSNP2645	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419634	(G/C)
2646	CakSNP2646	<i>Kabuli</i>	Ca_Kabuli_Chr02	22419679	(G/A)
2647	CakSNP2647	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457234	(G/A)
2648	CakSNP2648	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457221	(T/A)
2649	CakSNP2649	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457215	(G/A)
2650	CakSNP2650	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457181	(G/T)
2651	CakSNP2651	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457233	(C/T)
2652	CakSNP2652	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457255	(C/T)
2653	CakSNP2653	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457263	(G/A)
2654	CakSNP2654	<i>Kabuli</i>	Ca_Kabuli_Chr02	22457257	(G/A)
2655	CakSNP2655	<i>Kabuli</i>	Ca_Kabuli_Chr02	22483072	(C/T)
2656	CakSNP2656	<i>Kabuli</i>	Ca_Kabuli_Chr02	22483067	(G/A)
2657	CakSNP2657	<i>Kabuli</i>	Ca_Kabuli_Chr02	22483052	(C/T)
2658	CakSNP2658	<i>Kabuli</i>	Ca_Kabuli_Chr02	22483019	(A/T)
2659	CakSNP2659	<i>Kabuli</i>	Ca_Kabuli_Chr02	22703091	(A/C)

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2660	CakSNP2660	<i>Kabuli</i>	Ca_Kabuli_Chr02	22820616	(C/G)
2661	CakSNP2661	<i>Kabuli</i>	Ca_Kabuli_Chr02	22820588	(A/C)
2662	CakSNP2662	<i>Kabuli</i>	Ca_Kabuli_Chr02	22897694	(G/A)
2663	CakSNP2663	<i>Kabuli</i>	Ca_Kabuli_Chr02	22897647	(T/C)
2664	CakSNP2664	<i>Kabuli</i>	Ca_Kabuli_Chr02	23123734	(C/T)
2665	CakSNP2665	<i>Kabuli</i>	Ca_Kabuli_Chr02	23141564	(C/T)
2666	CakSNP2666	<i>Kabuli</i>	Ca_Kabuli_Chr02	23181353	(C/T)
2667	CakSNP2667	<i>Kabuli</i>	Ca_Kabuli_Chr02	23247801	(C/T)
2668	CakSNP2668	<i>Kabuli</i>	Ca_Kabuli_Chr02	23282374	(T/C)
2669	CakSNP2669	<i>Kabuli</i>	Ca_Kabuli_Chr02	23297412	(G/A)
2670	CakSNP2670	<i>Kabuli</i>	Ca_Kabuli_Chr02	23329325	(G/T)
2671	CakSNP2671	<i>Kabuli</i>	Ca_Kabuli_Chr02	23329424	(C/T)
2672	CakSNP2672	<i>Kabuli</i>	Ca_Kabuli_Chr02	23329440	(G/A)
2673	CakSNP2673	<i>Kabuli</i>	Ca_Kabuli_Chr02	23417518	(T/G)
2674	CakSNP2674	<i>Kabuli</i>	Ca_Kabuli_Chr02	23435939	(A/G)
2675	CakSNP2675	<i>Kabuli</i>	Ca_Kabuli_Chr02	23439966	(T/C)
2676	CakSNP2676	<i>Kabuli</i>	Ca_Kabuli_Chr02	23441740	(A/G)
2677	CakSNP2677	<i>Kabuli</i>	Ca_Kabuli_Chr02	23910254	(T/C)
2678	CakSNP2678	<i>Kabuli</i>	Ca_Kabuli_Chr02	23961003	(G/A)
2679	CakSNP2679	<i>Kabuli</i>	Ca_Kabuli_Chr02	24048087	(A/C)
2680	CakSNP2680	<i>Kabuli</i>	Ca_Kabuli_Chr02	24098243	(T/C)
2681	CakSNP2681	<i>Kabuli</i>	Ca_Kabuli_Chr02	24101371	(C/T)
2682	CakSNP2682	<i>Kabuli</i>	Ca_Kabuli_Chr02	24164335	(A/T)
2683	CakSNP2683	<i>Kabuli</i>	Ca_Kabuli_Chr02	24164840	(T/A)
2684	CakSNP2684	<i>Kabuli</i>	Ca_Kabuli_Chr02	24164903	(T/C)
2685	CakSNP2685	<i>Kabuli</i>	Ca_Kabuli_Chr02	24164900	(A/T)
2686	CakSNP2686	<i>Kabuli</i>	Ca_Kabuli_Chr02	24221498	(G/T)
2687	CakSNP2687	<i>Kabuli</i>	Ca_Kabuli_Chr02	24291665	(T/C)
2688	CakSNP2688	<i>Kabuli</i>	Ca_Kabuli_Chr02	24353303	(A/G)
2689	CakSNP2689	<i>Kabuli</i>	Ca_Kabuli_Chr02	24353243	(A/T)
2690	CakSNP2690	<i>Kabuli</i>	Ca_Kabuli_Chr02	24511053	(G/A)
2691	CakSNP2691	<i>Kabuli</i>	Ca_Kabuli_Chr02	24511114	(G/A)
2692	CakSNP2692	<i>Kabuli</i>	Ca_Kabuli_Chr02	24511121	(G/A)
2693	CakSNP2693	<i>Kabuli</i>	Ca_Kabuli_Chr02	24511119	(T/G)
2694	CakSNP2694	<i>Kabuli</i>	Ca_Kabuli_Chr02	24511116	(C/A)
2695	CakSNP2695	<i>Kabuli</i>	Ca_Kabuli_Chr02	24586360	(T/C)
2696	CakSNP2696	<i>Kabuli</i>	Ca_Kabuli_Chr02	24709014	(C/G)
2697	CakSNP2697	<i>Kabuli</i>	Ca_Kabuli_Chr02	24709103	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2698	CakSNP2698	<i>Kabuli</i>	Ca_Kabuli_Chr02	24709139	(A/G)
2699	CakSNP2699	<i>Kabuli</i>	Ca_Kabuli_Chr02	24709159	(T/A)
2700	CakSNP2700	<i>Kabuli</i>	Ca_Kabuli_Chr02	24709295	(G/A)
2701	CakSNP2701	<i>Kabuli</i>	Ca_Kabuli_Chr02	24741195	(C/T)
2702	CakSNP2702	<i>Kabuli</i>	Ca_Kabuli_Chr02	24744726	(A/T)
2703	CakSNP2703	<i>Kabuli</i>	Ca_Kabuli_Chr02	24817957	(G/A)
2704	CakSNP2704	<i>Kabuli</i>	Ca_Kabuli_Chr02	24817945	(C/T)
2705	CakSNP2705	<i>Kabuli</i>	Ca_Kabuli_Chr02	24817940	(G/A)
2706	CakSNP2706	<i>Kabuli</i>	Ca_Kabuli_Chr02	24817934	(A/G)
2707	CakSNP2707	<i>Kabuli</i>	Ca_Kabuli_Chr02	24817921	(G/A)
2708	CakSNP2708	<i>Kabuli</i>	Ca_Kabuli_Chr02	24876355	(T/G)
2709	CakSNP2709	<i>Kabuli</i>	Ca_Kabuli_Chr02	24911080	(T/C)
2710	CakSNP2710	<i>Kabuli</i>	Ca_Kabuli_Chr02	24911154	(G/C)
2711	CakSNP2711	<i>Kabuli</i>	Ca_Kabuli_Chr02	25022971	(A/G)
2712	CakSNP2712	<i>Kabuli</i>	Ca_Kabuli_Chr02	25104319	(G/T)
2713	CakSNP2713	<i>Kabuli</i>	Ca_Kabuli_Chr02	25104291	(A/T)
2714	CakSNP2714	<i>Kabuli</i>	Ca_Kabuli_Chr02	25108249	(T/C)
2715	CakSNP2715	<i>Kabuli</i>	Ca_Kabuli_Chr02	25126798	(C/T)
2716	CakSNP2716	<i>Kabuli</i>	Ca_Kabuli_Chr02	25126804	(A/G)
2717	CakSNP2717	<i>Kabuli</i>	Ca_Kabuli_Chr02	25126837	(G/T)
2718	CakSNP2718	<i>Kabuli</i>	Ca_Kabuli_Chr02	25126910	(G/C)
2719	CakSNP2719	<i>Kabuli</i>	Ca_Kabuli_Chr02	25163062	(C/G)
2720	CakSNP2720	<i>Kabuli</i>	Ca_Kabuli_Chr02	25194583	(G/A)
2721	CakSNP2721	<i>Kabuli</i>	Ca_Kabuli_Chr02	25317391	(A/G)
2722	CakSNP2722	<i>Kabuli</i>	Ca_Kabuli_Chr02	25321993	(C/A)
2723	CakSNP2723	<i>Kabuli</i>	Ca_Kabuli_Chr02	25493973	(T/G)
2724	CakSNP2724	<i>Kabuli</i>	Ca_Kabuli_Chr02	25507637	(C/G)
2725	CakSNP2725	<i>Kabuli</i>	Ca_Kabuli_Chr02	25507681	(A/G)
2726	CakSNP2726	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508579	(C/A)
2727	CakSNP2727	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508679	(A/G)
2728	CakSNP2728	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508660	(G/C)
2729	CakSNP2729	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508920	(G/A)
2730	CakSNP2730	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508969	(T/C)
2731	CakSNP2731	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508964	(A/C)
2732	CakSNP2732	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508963	(A/G)
2733	CakSNP2733	<i>Kabuli</i>	Ca_Kabuli_Chr02	25508935	(A/T)
2734	CakSNP2734	<i>Kabuli</i>	Ca_Kabuli_Chr02	25509087	(C/A)
2735	CakSNP2735	<i>Kabuli</i>	Ca_Kabuli_Chr02	25509093	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2736	CakSNP2736	<i>Kabuli</i>	Ca_Kabuli_Chr02	25509095	(G/A)
2737	CakSNP2737	<i>Kabuli</i>	Ca_Kabuli_Chr02	25509203	(T/C)
2738	CakSNP2738	<i>Kabuli</i>	Ca_Kabuli_Chr02	25509202	(T/A)
2739	CakSNP2739	<i>Kabuli</i>	Ca_Kabuli_Chr02	25667417	(G/C)
2740	CakSNP2740	<i>Kabuli</i>	Ca_Kabuli_Chr02	25667427	(T/C)
2741	CakSNP2741	<i>Kabuli</i>	Ca_Kabuli_Chr02	25788124	(T/A)
2742	CakSNP2742	<i>Kabuli</i>	Ca_Kabuli_Chr02	25788139	(T/C)
2743	CakSNP2743	<i>Kabuli</i>	Ca_Kabuli_Chr02	25880318	(T/C)
2744	CakSNP2744	<i>Kabuli</i>	Ca_Kabuli_Chr02	25898931	(T/C)
2745	CakSNP2745	<i>Kabuli</i>	Ca_Kabuli_Chr02	25930490	(G/A)
2746	CakSNP2746	<i>Kabuli</i>	Ca_Kabuli_Chr02	26051667	(T/G)
2747	CakSNP2747	<i>Kabuli</i>	Ca_Kabuli_Chr02	26092881	(C/G)
2748	CakSNP2748	<i>Kabuli</i>	Ca_Kabuli_Chr02	26092913	(C/A)
2749	CakSNP2749	<i>Kabuli</i>	Ca_Kabuli_Chr02	26092928	(T/G)
2750	CakSNP2750	<i>Kabuli</i>	Ca_Kabuli_Chr02	26092991	(T/C)
2751	CakSNP2751	<i>Kabuli</i>	Ca_Kabuli_Chr02	26121495	(A/C)
2752	CakSNP2752	<i>Kabuli</i>	Ca_Kabuli_Chr02	26121491	(T/G)
2753	CakSNP2753	<i>Kabuli</i>	Ca_Kabuli_Chr02	26417311	(T/A)
2754	CakSNP2754	<i>Kabuli</i>	Ca_Kabuli_Chr02	26417281	(A/G)
2755	CakSNP2755	<i>Kabuli</i>	Ca_Kabuli_Chr02	26417256	(T/C)
2756	CakSNP2756	<i>Kabuli</i>	Ca_Kabuli_Chr02	26431061	(T/C)
2757	CakSNP2757	<i>Kabuli</i>	Ca_Kabuli_Chr02	26431058	(G/C)
2758	CakSNP2758	<i>Kabuli</i>	Ca_Kabuli_Chr02	26431052	(T/C)
2759	CakSNP2759	<i>Kabuli</i>	Ca_Kabuli_Chr02	26461867	(C/G)
2760	CakSNP2760	<i>Kabuli</i>	Ca_Kabuli_Chr02	26461986	(A/C)
2761	CakSNP2761	<i>Kabuli</i>	Ca_Kabuli_Chr02	26461960	(T/A)
2762	CakSNP2762	<i>Kabuli</i>	Ca_Kabuli_Chr02	26486049	(G/A)
2763	CakSNP2763	<i>Kabuli</i>	Ca_Kabuli_Chr02	26486065	(C/T)
2764	CakSNP2764	<i>Kabuli</i>	Ca_Kabuli_Chr02	26486109	(T/C)
2765	CakSNP2765	<i>Kabuli</i>	Ca_Kabuli_Chr02	26502153	(T/C)
2766	CakSNP2766	<i>Kabuli</i>	Ca_Kabuli_Chr02	26503262	(C/A)
2767	CakSNP2767	<i>Kabuli</i>	Ca_Kabuli_Chr02	26567088	(T/C)
2768	CakSNP2768	<i>Kabuli</i>	Ca_Kabuli_Chr02	26585842	(T/A)
2769	CakSNP2769	<i>Kabuli</i>	Ca_Kabuli_Chr02	26601337	(C/A)
2770	CakSNP2770	<i>Kabuli</i>	Ca_Kabuli_Chr02	26601331	(G/C)
2771	CakSNP2771	<i>Kabuli</i>	Ca_Kabuli_Chr02	26706849	(A/G)
2772	CakSNP2772	<i>Kabuli</i>	Ca_Kabuli_Chr02	27057582	(C/T)
2773	CakSNP2773	<i>Kabuli</i>	Ca_Kabuli_Chr02	27063749	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2774	CakSNP2774	<i>Kabuli</i>	Ca_Kabuli_Chr02	27134574	(A/G)
2775	CakSNP2775	<i>Kabuli</i>	Ca_Kabuli_Chr02	27134560	(G/T)
2776	CakSNP2776	<i>Kabuli</i>	Ca_Kabuli_Chr02	27182855	(T/C)
2777	CakSNP2777	<i>Kabuli</i>	Ca_Kabuli_Chr02	27317272	(A/T)
2778	CakSNP2778	<i>Kabuli</i>	Ca_Kabuli_Chr02	27374064	(A/T)
2779	CakSNP2779	<i>Kabuli</i>	Ca_Kabuli_Chr02	27374094	(C/A)
2780	CakSNP2780	<i>Kabuli</i>	Ca_Kabuli_Chr02	27377809	(T/G)
2781	CakSNP2781	<i>Kabuli</i>	Ca_Kabuli_Chr02	27623258	(A/G)
2782	CakSNP2782	<i>Kabuli</i>	Ca_Kabuli_Chr02	27703356	(G/A)
2783	CakSNP2783	<i>Kabuli</i>	Ca_Kabuli_Chr02	27724425	(G/T)
2784	CakSNP2784	<i>Kabuli</i>	Ca_Kabuli_Chr02	27757490	(T/C)
2785	CakSNP2785	<i>Kabuli</i>	Ca_Kabuli_Chr02	27757824	(A/G)
2786	CakSNP2786	<i>Kabuli</i>	Ca_Kabuli_Chr02	27757804	(A/G)
2787	CakSNP2787	<i>Kabuli</i>	Ca_Kabuli_Chr02	27757795	(T/G)
2788	CakSNP2788	<i>Kabuli</i>	Ca_Kabuli_Chr02	27758057	(C/T)
2789	CakSNP2789	<i>Kabuli</i>	Ca_Kabuli_Chr02	27758058	(A/G)
2790	CakSNP2790	<i>Kabuli</i>	Ca_Kabuli_Chr02	27758065	(C/G)
2791	CakSNP2791	<i>Kabuli</i>	Ca_Kabuli_Chr02	27758093	(C/T)
2792	CakSNP2792	<i>Kabuli</i>	Ca_Kabuli_Chr02	27766561	(T/A)
2793	CakSNP2793	<i>Kabuli</i>	Ca_Kabuli_Chr02	27766623	(T/C)
2794	CakSNP2794	<i>Kabuli</i>	Ca_Kabuli_Chr02	27766605	(A/C)
2795	CakSNP2795	<i>Kabuli</i>	Ca_Kabuli_Chr02	27766594	(C/A)
2796	CakSNP2796	<i>Kabuli</i>	Ca_Kabuli_Chr02	27807994	(A/G)
2797	CakSNP2797	<i>Kabuli</i>	Ca_Kabuli_Chr02	27808070	(G/A)
2798	CakSNP2798	<i>Kabuli</i>	Ca_Kabuli_Chr02	27824962	(G/A)
2799	CakSNP2799	<i>Kabuli</i>	Ca_Kabuli_Chr02	27831340	(A/C)
2800	CakSNP2800	<i>Kabuli</i>	Ca_Kabuli_Chr02	27831398	(A/G)
2801	CakSNP2801	<i>Kabuli</i>	Ca_Kabuli_Chr02	27835871	(G/A)
2802	CakSNP2802	<i>Kabuli</i>	Ca_Kabuli_Chr02	27835850	(G/A)
2803	CakSNP2803	<i>Kabuli</i>	Ca_Kabuli_Chr02	27835843	(C/A)
2804	CakSNP2804	<i>Kabuli</i>	Ca_Kabuli_Chr02	27835837	(C/T)
2805	CakSNP2805	<i>Kabuli</i>	Ca_Kabuli_Chr02	27835832	(C/T)
2806	CakSNP2806	<i>Kabuli</i>	Ca_Kabuli_Chr02	27847670	(A/C)
2807	CakSNP2807	<i>Kabuli</i>	Ca_Kabuli_Chr02	28017163	(A/G)
2808	CakSNP2808	<i>Kabuli</i>	Ca_Kabuli_Chr02	28018158	(T/C)
2809	CakSNP2809	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060867	(T/G)
2810	CakSNP2810	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060850	(A/G)
2811	CakSNP2811	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060879	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2812	CakSNP2812	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060896	(T/C)
2813	CakSNP2813	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060921	(C/T)
2814	CakSNP2814	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060922	(A/G)
2815	CakSNP2815	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060928	(C/T)
2816	CakSNP2816	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060930	(T/G)
2817	CakSNP2817	<i>Kabuli</i>	Ca_Kabuli_Chr02	28060940	(C/T)
2818	CakSNP2818	<i>Kabuli</i>	Ca_Kabuli_Chr02	28061049	(G/T)
2819	CakSNP2819	<i>Kabuli</i>	Ca_Kabuli_Chr02	28076664	(C/T)
2820	CakSNP2820	<i>Kabuli</i>	Ca_Kabuli_Chr02	28076834	(C/T)
2821	CakSNP2821	<i>Kabuli</i>	Ca_Kabuli_Chr02	28076851	(G/A)
2822	CakSNP2822	<i>Kabuli</i>	Ca_Kabuli_Chr02	28084910	(C/T)
2823	CakSNP2823	<i>Kabuli</i>	Ca_Kabuli_Chr02	28084913	(C/A)
2824	CakSNP2824	<i>Kabuli</i>	Ca_Kabuli_Chr02	28084953	(C/T)
2825	CakSNP2825	<i>Kabuli</i>	Ca_Kabuli_Chr02	28229031	(G/A)
2826	CakSNP2826	<i>Kabuli</i>	Ca_Kabuli_Chr02	28229046	(G/A)
2827	CakSNP2827	<i>Kabuli</i>	Ca_Kabuli_Chr02	28324577	(T/A)
2828	CakSNP2828	<i>Kabuli</i>	Ca_Kabuli_Chr02	28352533	(C/A)
2829	CakSNP2829	<i>Kabuli</i>	Ca_Kabuli_Chr02	28407316	(T/C)
2830	CakSNP2830	<i>Kabuli</i>	Ca_Kabuli_Chr02	28407324	(C/T)
2831	CakSNP2831	<i>Kabuli</i>	Ca_Kabuli_Chr02	28534235	(T/C)
2832	CakSNP2832	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699149	(C/T)
2833	CakSNP2833	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699178	(T/C)
2834	CakSNP2834	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699185	(C/A)
2835	CakSNP2835	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699219	(T/G)
2836	CakSNP2836	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699229	(C/T)
2837	CakSNP2837	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699276	(T/C)
2838	CakSNP2838	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699383	(A/T)
2839	CakSNP2839	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699403	(C/T)
2840	CakSNP2840	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699414	(C/T)
2841	CakSNP2841	<i>Kabuli</i>	Ca_Kabuli_Chr02	28699579	(A/C)
2842	CakSNP2842	<i>Kabuli</i>	Ca_Kabuli_Chr02	28701724	(A/G)
2843	CakSNP2843	<i>Kabuli</i>	Ca_Kabuli_Chr02	28741764	(T/C)
2844	CakSNP2844	<i>Kabuli</i>	Ca_Kabuli_Chr02	28931402	(T/C)
2845	CakSNP2845	<i>Kabuli</i>	Ca_Kabuli_Chr02	28931340	(T/C)
2846	CakSNP2846	<i>Kabuli</i>	Ca_Kabuli_Chr02	28944712	(T/C)
2847	CakSNP2847	<i>Kabuli</i>	Ca_Kabuli_Chr02	28944707	(A/C)
2848	CakSNP2848	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949900	(C/T)
2849	CakSNP2849	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949909	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2850	CakSNP2850	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949911	(A/C)
2851	CakSNP2851	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949919	(A/T)
2852	CakSNP2852	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949954	(T/A)
2853	CakSNP2853	<i>Kabuli</i>	Ca_Kabuli_Chr02	28949948	(A/G)
2854	CakSNP2854	<i>Kabuli</i>	Ca_Kabuli_Chr02	28970621	(A/G)
2855	CakSNP2855	<i>Kabuli</i>	Ca_Kabuli_Chr02	28970618	(A/G)
2856	CakSNP2856	<i>Kabuli</i>	Ca_Kabuli_Chr02	29103993	(T/C)
2857	CakSNP2857	<i>Kabuli</i>	Ca_Kabuli_Chr02	29103970	(C/T)
2858	CakSNP2858	<i>Kabuli</i>	Ca_Kabuli_Chr02	29122581	(G/A)
2859	CakSNP2859	<i>Kabuli</i>	Ca_Kabuli_Chr02	29122589	(T/G)
2860	CakSNP2860	<i>Kabuli</i>	Ca_Kabuli_Chr02	29592666	(G/A)
2861	CakSNP2861	<i>Kabuli</i>	Ca_Kabuli_Chr02	29592694	(T/C)
2862	CakSNP2862	<i>Kabuli</i>	Ca_Kabuli_Chr02	29601458	(C/T)
2863	CakSNP2863	<i>Kabuli</i>	Ca_Kabuli_Chr02	29601463	(C/T)
2864	CakSNP2864	<i>Kabuli</i>	Ca_Kabuli_Chr02	29614370	(C/T)
2865	CakSNP2865	<i>Kabuli</i>	Ca_Kabuli_Chr02	29614375	(C/T)
2866	CakSNP2866	<i>Kabuli</i>	Ca_Kabuli_Chr02	29693107	(A/G)
2867	CakSNP2867	<i>Kabuli</i>	Ca_Kabuli_Chr02	29948356	(G/A)
2868	CakSNP2868	<i>Kabuli</i>	Ca_Kabuli_Chr02	29960049	(G/A)
2869	CakSNP2869	<i>Kabuli</i>	Ca_Kabuli_Chr02	29960054	(G/A)
2870	CakSNP2870	<i>Kabuli</i>	Ca_Kabuli_Chr02	29960130	(C/T)
2871	CakSNP2871	<i>Kabuli</i>	Ca_Kabuli_Chr02	30042255	(A/C)
2872	CakSNP2872	<i>Kabuli</i>	Ca_Kabuli_Chr02	30042309	(T/G)
2873	CakSNP2873	<i>Kabuli</i>	Ca_Kabuli_Chr02	30042302	(A/T)
2874	CakSNP2874	<i>Kabuli</i>	Ca_Kabuli_Chr02	30042297	(C/T)
2875	CakSNP2875	<i>Kabuli</i>	Ca_Kabuli_Chr02	30042267	(C/T)
2876	CakSNP2876	<i>Kabuli</i>	Ca_Kabuli_Chr02	30045338	(C/G)
2877	CakSNP2877	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091313	(G/A)
2878	CakSNP2878	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091311	(C/T)
2879	CakSNP2879	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091308	(A/T)
2880	CakSNP2880	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091307	(C/T)
2881	CakSNP2881	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091295	(T/A)
2882	CakSNP2882	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091290	(T/C)
2883	CakSNP2883	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091286	(G/A)
2884	CakSNP2884	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091284	(A/C)
2885	CakSNP2885	<i>Kabuli</i>	Ca_Kabuli_Chr02	30091280	(C/G)
2886	CakSNP2886	<i>Kabuli</i>	Ca_Kabuli_Chr02	30133162	(G/A)
2887	CakSNP2887	<i>Kabuli</i>	Ca_Kabuli_Chr02	30133189	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2888	CakSNP2888	<i>Kabuli</i>	Ca_Kabuli_Chr02	30133215	(G/T)
2889	CakSNP2889	<i>Kabuli</i>	Ca_Kabuli_Chr02	30133221	(A/T)
2890	CakSNP2890	<i>Kabuli</i>	Ca_Kabuli_Chr02	30335160	(T/C)
2891	CakSNP2891	<i>Kabuli</i>	Ca_Kabuli_Chr02	30335212	(T/A)
2892	CakSNP2892	<i>Kabuli</i>	Ca_Kabuli_Chr02	30335194	(A/G)
2893	CakSNP2893	<i>Kabuli</i>	Ca_Kabuli_Chr02	30363957	(C/A)
2894	CakSNP2894	<i>Kabuli</i>	Ca_Kabuli_Chr02	30364073	(T/A)
2895	CakSNP2895	<i>Kabuli</i>	Ca_Kabuli_Chr02	30364042	(A/G)
2896	CakSNP2896	<i>Kabuli</i>	Ca_Kabuli_Chr02	30364025	(T/C)
2897	CakSNP2897	<i>Kabuli</i>	Ca_Kabuli_Chr02	30370013	(C/A)
2898	CakSNP2898	<i>Kabuli</i>	Ca_Kabuli_Chr02	30370003	(A/C)
2899	CakSNP2899	<i>Kabuli</i>	Ca_Kabuli_Chr02	30370411	(T/C)
2900	CakSNP2900	<i>Kabuli</i>	Ca_Kabuli_Chr02	30467552	(C/T)
2901	CakSNP2901	<i>Kabuli</i>	Ca_Kabuli_Chr02	30467551	(A/T)
2902	CakSNP2902	<i>Kabuli</i>	Ca_Kabuli_Chr02	30508454	(T/C)
2903	CakSNP2903	<i>Kabuli</i>	Ca_Kabuli_Chr02	30530642	(A/T)
2904	CakSNP2904	<i>Kabuli</i>	Ca_Kabuli_Chr02	30537667	(A/T)
2905	CakSNP2905	<i>Kabuli</i>	Ca_Kabuli_Chr02	30537673	(A/G)
2906	CakSNP2906	<i>Kabuli</i>	Ca_Kabuli_Chr02	30537687	(T/C)
2907	CakSNP2907	<i>Kabuli</i>	Ca_Kabuli_Chr02	30537701	(T/A)
2908	CakSNP2908	<i>Kabuli</i>	Ca_Kabuli_Chr02	30537953	(T/C)
2909	CakSNP2909	<i>Kabuli</i>	Ca_Kabuli_Chr02	30614086	(C/T)
2910	CakSNP2910	<i>Kabuli</i>	Ca_Kabuli_Chr02	30686920	(C/T)
2911	CakSNP2911	<i>Kabuli</i>	Ca_Kabuli_Chr02	30702121	(T/C)
2912	CakSNP2912	<i>Kabuli</i>	Ca_Kabuli_Chr02	30702090	(G/A)
2913	CakSNP2913	<i>Kabuli</i>	Ca_Kabuli_Chr02	30867547	(G/A)
2914	CakSNP2914	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880148	(A/G)
2915	CakSNP2915	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880243	(G/C)
2916	CakSNP2916	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880246	(G/A)
2917	CakSNP2917	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880303	(T/A)
2918	CakSNP2918	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880302	(T/C)
2919	CakSNP2919	<i>Kabuli</i>	Ca_Kabuli_Chr02	30880282	(A/G)
2920	CakSNP2920	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921092	(C/A)
2921	CakSNP2921	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921758	(C/T)
2922	CakSNP2922	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921888	(T/C)
2923	CakSNP2923	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921882	(C/G)
2924	CakSNP2924	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921917	(C/A)
2925	CakSNP2925	<i>Kabuli</i>	Ca_Kabuli_Chr02	30921923	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2926	CakSNP2926	<i>Kabuli</i>	Ca_Kabuli_Chr02	30954317	(G/A)
2927	CakSNP2927	<i>Kabuli</i>	Ca_Kabuli_Chr02	30954305	(T/G)
2928	CakSNP2928	<i>Kabuli</i>	Ca_Kabuli_Chr02	30977572	(A/G)
2929	CakSNP2929	<i>Kabuli</i>	Ca_Kabuli_Chr02	30977528	(C/T)
2930	CakSNP2930	<i>Kabuli</i>	Ca_Kabuli_Chr02	30977522	(A/T)
2931	CakSNP2931	<i>Kabuli</i>	Ca_Kabuli_Chr02	30977508	(A/T)
2932	CakSNP2932	<i>Kabuli</i>	Ca_Kabuli_Chr02	30997769	(T/A)
2933	CakSNP2933	<i>Kabuli</i>	Ca_Kabuli_Chr02	30997780	(A/C)
2934	CakSNP2934	<i>Kabuli</i>	Ca_Kabuli_Chr02	30997784	(T/A)
2935	CakSNP2935	<i>Kabuli</i>	Ca_Kabuli_Chr02	31005847	(T/G)
2936	CakSNP2936	<i>Kabuli</i>	Ca_Kabuli_Chr02	31005845	(C/T)
2937	CakSNP2937	<i>Kabuli</i>	Ca_Kabuli_Chr02	31014295	(A/T)
2938	CakSNP2938	<i>Kabuli</i>	Ca_Kabuli_Chr02	31055083	(C/T)
2939	CakSNP2939	<i>Kabuli</i>	Ca_Kabuli_Chr02	31055007	(G/A)
2940	CakSNP2940	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088681	(G/T)
2941	CakSNP2941	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088676	(G/C)
2942	CakSNP2942	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088670	(C/T)
2943	CakSNP2943	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088648	(A/G)
2944	CakSNP2944	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088645	(A/C)
2945	CakSNP2945	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088778	(A/T)
2946	CakSNP2946	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088800	(T/C)
2947	CakSNP2947	<i>Kabuli</i>	Ca_Kabuli_Chr02	31088882	(A/G)
2948	CakSNP2948	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109311	(G/T)
2949	CakSNP2949	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109358	(C/T)
2950	CakSNP2950	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109481	(G/A)
2951	CakSNP2951	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109441	(C/G)
2952	CakSNP2952	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109435	(G/A)
2953	CakSNP2953	<i>Kabuli</i>	Ca_Kabuli_Chr02	31109427	(C/T)
2954	CakSNP2954	<i>Kabuli</i>	Ca_Kabuli_Chr02	31141019	(G/A)
2955	CakSNP2955	<i>Kabuli</i>	Ca_Kabuli_Chr02	31167603	(G/A)
2956	CakSNP2956	<i>Kabuli</i>	Ca_Kabuli_Chr02	31167594	(A/G)
2957	CakSNP2957	<i>Kabuli</i>	Ca_Kabuli_Chr02	31188355	(A/G)
2958	CakSNP2958	<i>Kabuli</i>	Ca_Kabuli_Chr02	31201872	(T/C)
2959	CakSNP2959	<i>Kabuli</i>	Ca_Kabuli_Chr02	31201859	(T/A)
2960	CakSNP2960	<i>Kabuli</i>	Ca_Kabuli_Chr02	31201795	(A/G)
2961	CakSNP2961	<i>Kabuli</i>	Ca_Kabuli_Chr02	31203154	(G/A)
2962	CakSNP2962	<i>Kabuli</i>	Ca_Kabuli_Chr02	31205531	(C/T)
2963	CakSNP2963	<i>Kabuli</i>	Ca_Kabuli_Chr02	31427861	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2964	CakSNP2964	<i>Kabuli</i>	Ca_Kabuli_Chr02	31427902	(G/C)
2965	CakSNP2965	<i>Kabuli</i>	Ca_Kabuli_Chr02	31427915	(A/G)
2966	CakSNP2966	<i>Kabuli</i>	Ca_Kabuli_Chr02	31428024	(T/G)
2967	CakSNP2967	<i>Kabuli</i>	Ca_Kabuli_Chr02	31428132	(G/A)
2968	CakSNP2968	<i>Kabuli</i>	Ca_Kabuli_Chr02	31428405	(T/C)
2969	CakSNP2969	<i>Kabuli</i>	Ca_Kabuli_Chr02	31428429	(T/G)
2970	CakSNP2970	<i>Kabuli</i>	Ca_Kabuli_Chr02	31534265	(A/C)
2971	CakSNP2971	<i>Kabuli</i>	Ca_Kabuli_Chr02	31534283	(A/G)
2972	CakSNP2972	<i>Kabuli</i>	Ca_Kabuli_Chr02	31534455	(T/C)
2973	CakSNP2973	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686714	(C/T)
2974	CakSNP2974	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686716	(C/T)
2975	CakSNP2975	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686742	(A/C)
2976	CakSNP2976	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686751	(A/T)
2977	CakSNP2977	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686758	(C/A)
2978	CakSNP2978	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686761	(A/C)
2979	CakSNP2979	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686767	(C/T)
2980	CakSNP2980	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686779	(G/A)
2981	CakSNP2981	<i>Kabuli</i>	Ca_Kabuli_Chr02	31686820	(T/C)
2982	CakSNP2982	<i>Kabuli</i>	Ca_Kabuli_Chr02	31756777	(G/T)
2983	CakSNP2983	<i>Kabuli</i>	Ca_Kabuli_Chr02	31847033	(A/C)
2984	CakSNP2984	<i>Kabuli</i>	Ca_Kabuli_Chr02	31881918	(G/T)
2985	CakSNP2985	<i>Kabuli</i>	Ca_Kabuli_Chr02	31885934	(A/G)
2986	CakSNP2986	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908694	(G/A)
2987	CakSNP2987	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908742	(G/A)
2988	CakSNP2988	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908803	(C/T)
2989	CakSNP2989	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908787	(G/A)
2990	CakSNP2990	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908845	(T/A)
2991	CakSNP2991	<i>Kabuli</i>	Ca_Kabuli_Chr02	31908857	(C/T)
2992	CakSNP2992	<i>Kabuli</i>	Ca_Kabuli_Chr02	31941463	(T/C)
2993	CakSNP2993	<i>Kabuli</i>	Ca_Kabuli_Chr02	31941554	(A/T)
2994	CakSNP2994	<i>Kabuli</i>	Ca_Kabuli_Chr02	31975269	(C/T)
2995	CakSNP2995	<i>Kabuli</i>	Ca_Kabuli_Chr02	32003536	(G/T)
2996	CakSNP2996	<i>Kabuli</i>	Ca_Kabuli_Chr02	32017361	(G/A)
2997	CakSNP2997	<i>Kabuli</i>	Ca_Kabuli_Chr02	32049523	(C/A)
2998	CakSNP2998	<i>Kabuli</i>	Ca_Kabuli_Chr02	32049525	(A/C)
2999	CakSNP2999	<i>Kabuli</i>	Ca_Kabuli_Chr02	32058591	(T/C)
3000	CakSNP3000	<i>Kabuli</i>	Ca_Kabuli_Chr02	32061053	(C/T)
3001	CakSNP3001	<i>Kabuli</i>	Ca_Kabuli_Chr02	32061054	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3002	CakSNP3002	<i>Kabuli</i>	Ca_Kabuli_Chr02	32062010	(A/C)
3003	CakSNP3003	<i>Kabuli</i>	Ca_Kabuli_Chr02	32071107	(C/G)
3004	CakSNP3004	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080002	(T/C)
3005	CakSNP3005	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080007	(T/C)
3006	CakSNP3006	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080010	(G/C)
3007	CakSNP3007	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080016	(A/T)
3008	CakSNP3008	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080022	(C/A)
3009	CakSNP3009	<i>Kabuli</i>	Ca_Kabuli_Chr02	32080037	(A/G)
3010	CakSNP3010	<i>Kabuli</i>	Ca_Kabuli_Chr02	32096192	(A/C)
3011	CakSNP3011	<i>Kabuli</i>	Ca_Kabuli_Chr02	32096186	(T/A)
3012	CakSNP3012	<i>Kabuli</i>	Ca_Kabuli_Chr02	32096180	(C/G)
3013	CakSNP3013	<i>Kabuli</i>	Ca_Kabuli_Chr02	32096177	(C/T)
3014	CakSNP3014	<i>Kabuli</i>	Ca_Kabuli_Chr02	32096172	(C/T)
3015	CakSNP3015	<i>Kabuli</i>	Ca_Kabuli_Chr02	32099757	(C/T)
3016	CakSNP3016	<i>Kabuli</i>	Ca_Kabuli_Chr02	32099907	(T/C)
3017	CakSNP3017	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109805	(G/A)
3018	CakSNP3018	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109811	(G/A)
3019	CakSNP3019	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109813	(C/T)
3020	CakSNP3020	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109821	(G/A)
3021	CakSNP3021	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109827	(T/C)
3022	CakSNP3022	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109859	(A/C)
3023	CakSNP3023	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109904	(T/A)
3024	CakSNP3024	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109895	(A/G)
3025	CakSNP3025	<i>Kabuli</i>	Ca_Kabuli_Chr02	32109892	(T/A)
3026	CakSNP3026	<i>Kabuli</i>	Ca_Kabuli_Chr02	32119094	(A/T)
3027	CakSNP3027	<i>Kabuli</i>	Ca_Kabuli_Chr02	32119268	(T/A)
3028	CakSNP3028	<i>Kabuli</i>	Ca_Kabuli_Chr02	32119274	(T/C)
3029	CakSNP3029	<i>Kabuli</i>	Ca_Kabuli_Chr02	32119331	(A/T)
3030	CakSNP3030	<i>Kabuli</i>	Ca_Kabuli_Chr02	32129272	(T/C)
3031	CakSNP3031	<i>Kabuli</i>	Ca_Kabuli_Chr02	32129395	(C/G)
3032	CakSNP3032	<i>Kabuli</i>	Ca_Kabuli_Chr02	32140939	(A/T)
3033	CakSNP3033	<i>Kabuli</i>	Ca_Kabuli_Chr02	32140948	(A/C)
3034	CakSNP3034	<i>Kabuli</i>	Ca_Kabuli_Chr02	32140987	(A/G)
3035	CakSNP3035	<i>Kabuli</i>	Ca_Kabuli_Chr02	32141047	(A/G)
3036	CakSNP3036	<i>Kabuli</i>	Ca_Kabuli_Chr02	32141038	(T/C)
3037	CakSNP3037	<i>Kabuli</i>	Ca_Kabuli_Chr02	32141019	(G/A)
3038	CakSNP3038	<i>Kabuli</i>	Ca_Kabuli_Chr02	32141013	(G/C)
3039	CakSNP3039	<i>Kabuli</i>	Ca_Kabuli_Chr02	32141002	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3040	CakSNP3040	<i>Kabuli</i>	Ca_Kabuli_Chr02	32140998	(G/T)
3041	CakSNP3041	<i>Kabuli</i>	Ca_Kabuli_Chr02	32140990	(G/A)
3042	CakSNP3042	<i>Kabuli</i>	Ca_Kabuli_Chr02	32203032	(A/G)
3043	CakSNP3043	<i>Kabuli</i>	Ca_Kabuli_Chr02	32203036	(A/T)
3044	CakSNP3044	<i>Kabuli</i>	Ca_Kabuli_Chr02	32242818	(T/G)
3045	CakSNP3045	<i>Kabuli</i>	Ca_Kabuli_Chr02	32348054	(T/A)
3046	CakSNP3046	<i>Kabuli</i>	Ca_Kabuli_Chr02	32348087	(A/C)
3047	CakSNP3047	<i>Kabuli</i>	Ca_Kabuli_Chr02	32348119	(G/T)
3048	CakSNP3048	<i>Kabuli</i>	Ca_Kabuli_Chr02	32348793	(G/A)
3049	CakSNP3049	<i>Kabuli</i>	Ca_Kabuli_Chr02	32348870	(T/C)
3050	CakSNP3050	<i>Kabuli</i>	Ca_Kabuli_Chr02	32411994	(G/T)
3051	CakSNP3051	<i>Kabuli</i>	Ca_Kabuli_Chr02	32412000	(G/T)
3052	CakSNP3052	<i>Kabuli</i>	Ca_Kabuli_Chr02	32481969	(C/T)
3053	CakSNP3053	<i>Kabuli</i>	Ca_Kabuli_Chr02	32481983	(G/T)
3054	CakSNP3054	<i>Kabuli</i>	Ca_Kabuli_Chr02	32484223	(C/T)
3055	CakSNP3055	<i>Kabuli</i>	Ca_Kabuli_Chr02	32545320	(A/G)
3056	CakSNP3056	<i>Kabuli</i>	Ca_Kabuli_Chr02	32545329	(T/C)
3057	CakSNP3057	<i>Kabuli</i>	Ca_Kabuli_Chr02	32545351	(G/A)
3058	CakSNP3058	<i>Kabuli</i>	Ca_Kabuli_Chr02	32556992	(T/A)
3059	CakSNP3059	<i>Kabuli</i>	Ca_Kabuli_Chr02	32564427	(T/C)
3060	CakSNP3060	<i>Kabuli</i>	Ca_Kabuli_Chr02	32564480	(G/A)
3061	CakSNP3061	<i>Kabuli</i>	Ca_Kabuli_Chr02	32564770	(G/T)
3062	CakSNP3062	<i>Kabuli</i>	Ca_Kabuli_Chr02	32564796	(A/T)
3063	CakSNP3063	<i>Kabuli</i>	Ca_Kabuli_Chr02	32570394	(G/A)
3064	CakSNP3064	<i>Kabuli</i>	Ca_Kabuli_Chr02	32570479	(T/G)
3065	CakSNP3065	<i>Kabuli</i>	Ca_Kabuli_Chr02	32570429	(G/A)
3066	CakSNP3066	<i>Kabuli</i>	Ca_Kabuli_Chr02	32570504	(G/C)
3067	CakSNP3067	<i>Kabuli</i>	Ca_Kabuli_Chr02	32577274	(T/A)
3068	CakSNP3068	<i>Kabuli</i>	Ca_Kabuli_Chr02	32577593	(A/G)
3069	CakSNP3069	<i>Kabuli</i>	Ca_Kabuli_Chr02	32579849	(T/C)
3070	CakSNP3070	<i>Kabuli</i>	Ca_Kabuli_Chr02	32579900	(C/G)
3071	CakSNP3071	<i>Kabuli</i>	Ca_Kabuli_Chr02	32608900	(A/T)
3072	CakSNP3072	<i>Kabuli</i>	Ca_Kabuli_Chr02	32611624	(C/T)
3073	CakSNP3073	<i>Kabuli</i>	Ca_Kabuli_Chr02	32611609	(A/G)
3074	CakSNP3074	<i>Kabuli</i>	Ca_Kabuli_Chr02	32611601	(G/T)
3075	CakSNP3075	<i>Kabuli</i>	Ca_Kabuli_Chr02	32627727	(C/G)
3076	CakSNP3076	<i>Kabuli</i>	Ca_Kabuli_Chr02	32629763	(A/G)
3077	CakSNP3077	<i>Kabuli</i>	Ca_Kabuli_Chr02	32670054	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3078	CakSNP3078	<i>Kabuli</i>	Ca_Kabuli_Chr02	32670099	(C/T)
3079	CakSNP3079	<i>Kabuli</i>	Ca_Kabuli_Chr02	32670181	(T/G)
3080	CakSNP3080	<i>Kabuli</i>	Ca_Kabuli_Chr02	32671354	(T/A)
3081	CakSNP3081	<i>Kabuli</i>	Ca_Kabuli_Chr02	32781880	(A/G)
3082	CakSNP3082	<i>Kabuli</i>	Ca_Kabuli_Chr02	32844754	(T/G)
3083	CakSNP3083	<i>Kabuli</i>	Ca_Kabuli_Chr02	32844842	(C/G)
3084	CakSNP3084	<i>Kabuli</i>	Ca_Kabuli_Chr02	32867125	(A/G)
3085	CakSNP3085	<i>Kabuli</i>	Ca_Kabuli_Chr02	32934646	(C/T)
3086	CakSNP3086	<i>Kabuli</i>	Ca_Kabuli_Chr02	32934633	(G/C)
3087	CakSNP3087	<i>Kabuli</i>	Ca_Kabuli_Chr02	32936855	(A/G)
3088	CakSNP3088	<i>Kabuli</i>	Ca_Kabuli_Chr02	32936908	(G/A)
3089	CakSNP3089	<i>Kabuli</i>	Ca_Kabuli_Chr02	32957515	(A/G)
3090	CakSNP3090	<i>Kabuli</i>	Ca_Kabuli_Chr02	32957523	(T/C)
3091	CakSNP3091	<i>Kabuli</i>	Ca_Kabuli_Chr02	32957538	(A/C)
3092	CakSNP3092	<i>Kabuli</i>	Ca_Kabuli_Chr02	32957572	(A/C)
3093	CakSNP3093	<i>Kabuli</i>	Ca_Kabuli_Chr02	32957958	(A/C)
3094	CakSNP3094	<i>Kabuli</i>	Ca_Kabuli_Chr02	32958034	(C/G)
3095	CakSNP3095	<i>Kabuli</i>	Ca_Kabuli_Chr02	32989134	(G/T)
3096	CakSNP3096	<i>Kabuli</i>	Ca_Kabuli_Chr02	32989205	(G/T)
3097	CakSNP3097	<i>Kabuli</i>	Ca_Kabuli_Chr02	33083903	(T/A)
3098	CakSNP3098	<i>Kabuli</i>	Ca_Kabuli_Chr02	33084095	(T/G)
3099	CakSNP3099	<i>Kabuli</i>	Ca_Kabuli_Chr02	33084132	(T/A)
3100	CakSNP3100	<i>Kabuli</i>	Ca_Kabuli_Chr02	33103318	(G/A)
3101	CakSNP3101	<i>Kabuli</i>	Ca_Kabuli_Chr02	33103466	(G/A)
3102	CakSNP3102	<i>Kabuli</i>	Ca_Kabuli_Chr02	33103750	(A/G)
3103	CakSNP3103	<i>Kabuli</i>	Ca_Kabuli_Chr02	33103766	(G/A)
3104	CakSNP3104	<i>Kabuli</i>	Ca_Kabuli_Chr02	33172936	(C/T)
3105	CakSNP3105	<i>Kabuli</i>	Ca_Kabuli_Chr02	33172971	(T/G)
3106	CakSNP3106	<i>Kabuli</i>	Ca_Kabuli_Chr02	33178391	(G/A)
3107	CakSNP3107	<i>Kabuli</i>	Ca_Kabuli_Chr02	33178407	(C/T)
3108	CakSNP3108	<i>Kabuli</i>	Ca_Kabuli_Chr02	33178419	(C/A)
3109	CakSNP3109	<i>Kabuli</i>	Ca_Kabuli_Chr02	33178420	(A/C)
3110	CakSNP3110	<i>Kabuli</i>	Ca_Kabuli_Chr02	33178506	(T/C)
3111	CakSNP3111	<i>Kabuli</i>	Ca_Kabuli_Chr02	33184262	(T/C)
3112	CakSNP3112	<i>Kabuli</i>	Ca_Kabuli_Chr02	33194198	(A/G)
3113	CakSNP3113	<i>Kabuli</i>	Ca_Kabuli_Chr02	33204253	(C/T)
3114	CakSNP3114	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326392	(T/G)
3115	CakSNP3115	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326398	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3116	CakSNP3116	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326444	(G/A)
3117	CakSNP3117	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326522	(G/A)
3118	CakSNP3118	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326520	(T/C)
3119	CakSNP3119	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326516	(G/A)
3120	CakSNP3120	<i>Kabuli</i>	Ca_Kabuli_Chr02	33326510	(C/G)
3121	CakSNP3121	<i>Kabuli</i>	Ca_Kabuli_Chr02	33393209	(T/C)
3122	CakSNP3122	<i>Kabuli</i>	Ca_Kabuli_Chr02	33398561	(C/T)
3123	CakSNP3123	<i>Kabuli</i>	Ca_Kabuli_Chr02	33398550	(G/A)
3124	CakSNP3124	<i>Kabuli</i>	Ca_Kabuli_Chr02	33398549	(T/C)
3125	CakSNP3125	<i>Kabuli</i>	Ca_Kabuli_Chr02	33398527	(T/G)
3126	CakSNP3126	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399010	(C/T)
3127	CakSNP3127	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399019	(T/C)
3128	CakSNP3128	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399045	(A/C)
3129	CakSNP3129	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399098	(G/A)
3130	CakSNP3130	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399063	(C/T)
3131	CakSNP3131	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399405	(C/T)
3132	CakSNP3132	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399404	(C/A)
3133	CakSNP3133	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399397	(C/T)
3134	CakSNP3134	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399393	(C/A)
3135	CakSNP3135	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399381	(C/T)
3136	CakSNP3136	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399342	(A/C)
3137	CakSNP3137	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399465	(C/G)
3138	CakSNP3138	<i>Kabuli</i>	Ca_Kabuli_Chr02	33399608	(C/A)
3139	CakSNP3139	<i>Kabuli</i>	Ca_Kabuli_Chr02	33401608	(A/G)
3140	CakSNP3140	<i>Kabuli</i>	Ca_Kabuli_Chr02	33490058	(C/A)
3141	CakSNP3141	<i>Kabuli</i>	Ca_Kabuli_Chr02	33489989	(T/C)
3142	CakSNP3142	<i>Kabuli</i>	Ca_Kabuli_Chr02	33575286	(A/C)
3143	CakSNP3143	<i>Kabuli</i>	Ca_Kabuli_Chr02	33582948	(G/A)
3144	CakSNP3144	<i>Kabuli</i>	Ca_Kabuli_Chr02	33582900	(G/A)
3145	CakSNP3145	<i>Kabuli</i>	Ca_Kabuli_Chr02	33650447	(A/T)
3146	CakSNP3146	<i>Kabuli</i>	Ca_Kabuli_Chr02	33651426	(G/A)
3147	CakSNP3147	<i>Kabuli</i>	Ca_Kabuli_Chr02	33651408	(A/G)
3148	CakSNP3148	<i>Kabuli</i>	Ca_Kabuli_Chr02	33661177	(C/T)
3149	CakSNP3149	<i>Kabuli</i>	Ca_Kabuli_Chr02	33661316	(T/C)
3150	CakSNP3150	<i>Kabuli</i>	Ca_Kabuli_Chr02	33686794	(G/A)
3151	CakSNP3151	<i>Kabuli</i>	Ca_Kabuli_Chr02	33692368	(C/A)
3152	CakSNP3152	<i>Kabuli</i>	Ca_Kabuli_Chr02	33713018	(G/A)
3153	CakSNP3153	<i>Kabuli</i>	Ca_Kabuli_Chr02	33721515	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3154	CakSNP3154	<i>Kabuli</i>	Ca_Kabuli_Chr02	33733893	(C/T)
3155	CakSNP3155	<i>Kabuli</i>	Ca_Kabuli_Chr02	33745281	(A/G)
3156	CakSNP3156	<i>Kabuli</i>	Ca_Kabuli_Chr02	33764634	(G/A)
3157	CakSNP3157	<i>Kabuli</i>	Ca_Kabuli_Chr02	33783871	(C/T)
3158	CakSNP3158	<i>Kabuli</i>	Ca_Kabuli_Chr02	33785203	(G/A)
3159	CakSNP3159	<i>Kabuli</i>	Ca_Kabuli_Chr02	33786243	(G/A)
3160	CakSNP3160	<i>Kabuli</i>	Ca_Kabuli_Chr02	33788913	(A/C)
3161	CakSNP3161	<i>Kabuli</i>	Ca_Kabuli_Chr02	33798717	(T/C)
3162	CakSNP3162	<i>Kabuli</i>	Ca_Kabuli_Chr02	33798748	(T/C)
3163	CakSNP3163	<i>Kabuli</i>	Ca_Kabuli_Chr02	34152352	(T/C)
3164	CakSNP3164	<i>Kabuli</i>	Ca_Kabuli_Chr02	34152384	(T/C)
3165	CakSNP3165	<i>Kabuli</i>	Ca_Kabuli_Chr02	34152476	(C/T)
3166	CakSNP3166	<i>Kabuli</i>	Ca_Kabuli_Chr02	34155090	(A/G)
3167	CakSNP3167	<i>Kabuli</i>	Ca_Kabuli_Chr02	34155179	(A/G)
3168	CakSNP3168	<i>Kabuli</i>	Ca_Kabuli_Chr02	34178534	(G/A)
3169	CakSNP3169	<i>Kabuli</i>	Ca_Kabuli_Chr02	34203162	(T/C)
3170	CakSNP3170	<i>Kabuli</i>	Ca_Kabuli_Chr02	34203444	(T/C)
3171	CakSNP3171	<i>Kabuli</i>	Ca_Kabuli_Chr02	34222585	(G/A)
3172	CakSNP3172	<i>Kabuli</i>	Ca_Kabuli_Chr02	34249987	(C/T)
3173	CakSNP3173	<i>Kabuli</i>	Ca_Kabuli_Chr02	34249953	(G/T)
3174	CakSNP3174	<i>Kabuli</i>	Ca_Kabuli_Chr02	34250042	(C/T)
3175	CakSNP3175	<i>Kabuli</i>	Ca_Kabuli_Chr02	34250266	(T/C)
3176	CakSNP3176	<i>Kabuli</i>	Ca_Kabuli_Chr02	34266109	(A/G)
3177	CakSNP3177	<i>Kabuli</i>	Ca_Kabuli_Chr02	34288116	(G/C)
3178	CakSNP3178	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299096	(G/A)
3179	CakSNP3179	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299075	(C/T)
3180	CakSNP3180	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299074	(A/C)
3181	CakSNP3181	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299063	(G/A)
3182	CakSNP3182	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299079	(A/C)
3183	CakSNP3183	<i>Kabuli</i>	Ca_Kabuli_Chr02	34299846	(C/T)
3184	CakSNP3184	<i>Kabuli</i>	Ca_Kabuli_Chr02	34300059	(A/G)
3185	CakSNP3185	<i>Kabuli</i>	Ca_Kabuli_Chr02	34300057	(A/G)
3186	CakSNP3186	<i>Kabuli</i>	Ca_Kabuli_Chr02	34343478	(C/G)
3187	CakSNP3187	<i>Kabuli</i>	Ca_Kabuli_Chr02	34343705	(G/A)
3188	CakSNP3188	<i>Kabuli</i>	Ca_Kabuli_Chr02	34346849	(C/T)
3189	CakSNP3189	<i>Kabuli</i>	Ca_Kabuli_Chr02	34346842	(T/C)
3190	CakSNP3190	<i>Kabuli</i>	Ca_Kabuli_Chr02	34372503	(T/G)
3191	CakSNP3191	<i>Kabuli</i>	Ca_Kabuli_Chr02	34428978	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3192	CakSNP3192	<i>Kabuli</i>	Ca_Kabuli_Chr02	34428979	(G/C)
3193	CakSNP3193	<i>Kabuli</i>	Ca_Kabuli_Chr02	34429029	(G/T)
3194	CakSNP3194	<i>Kabuli</i>	Ca_Kabuli_Chr02	34429030	(A/T)
3195	CakSNP3195	<i>Kabuli</i>	Ca_Kabuli_Chr02	34551849	(A/C)
3196	CakSNP3196	<i>Kabuli</i>	Ca_Kabuli_Chr02	34554164	(A/C)
3197	CakSNP3197	<i>Kabuli</i>	Ca_Kabuli_Chr02	34601444	(C/A)
3198	CakSNP3198	<i>Kabuli</i>	Ca_Kabuli_Chr02	34634128	(C/T)
3199	CakSNP3199	<i>Kabuli</i>	Ca_Kabuli_Chr02	34638960	(A/C)
3200	CakSNP3200	<i>Kabuli</i>	Ca_Kabuli_Chr02	34638955	(T/A)
3201	CakSNP3201	<i>Kabuli</i>	Ca_Kabuli_Chr02	34734329	(G/A)
3202	CakSNP3202	<i>Kabuli</i>	Ca_Kabuli_Chr02	34734379	(G/A)
3203	CakSNP3203	<i>Kabuli</i>	Ca_Kabuli_Chr02	34734439	(G/A)
3204	CakSNP3204	<i>Kabuli</i>	Ca_Kabuli_Chr02	34734472	(A/G)
3205	CakSNP3205	<i>Kabuli</i>	Ca_Kabuli_Chr02	34736649	(T/C)
3206	CakSNP3206	<i>Kabuli</i>	Ca_Kabuli_Chr02	34736658	(A/C)
3207	CakSNP3207	<i>Kabuli</i>	Ca_Kabuli_Chr02	34736753	(C/T)
3208	CakSNP3208	<i>Kabuli</i>	Ca_Kabuli_Chr02	34754363	(T/C)
3209	CakSNP3209	<i>Kabuli</i>	Ca_Kabuli_Chr02	34754507	(C/T)
3210	CakSNP3210	<i>Kabuli</i>	Ca_Kabuli_Chr02	34820075	(C/T)
3211	CakSNP3211	<i>Kabuli</i>	Ca_Kabuli_Chr02	34830995	(A/G)
3212	CakSNP3212	<i>Kabuli</i>	Ca_Kabuli_Chr02	34847681	(C/A)
3213	CakSNP3213	<i>Kabuli</i>	Ca_Kabuli_Chr02	34848053	(G/A)
3214	CakSNP3214	<i>Kabuli</i>	Ca_Kabuli_Chr02	34848480	(T/C)
3215	CakSNP3215	<i>Kabuli</i>	Ca_Kabuli_Chr02	34862129	(G/T)
3216	CakSNP3216	<i>Kabuli</i>	Ca_Kabuli_Chr02	34862135	(G/A)
3217	CakSNP3217	<i>Kabuli</i>	Ca_Kabuli_Chr02	34862139	(A/G)
3218	CakSNP3218	<i>Kabuli</i>	Ca_Kabuli_Chr02	34862150	(C/T)
3219	CakSNP3219	<i>Kabuli</i>	Ca_Kabuli_Chr02	34862276	(C/G)
3220	CakSNP3220	<i>Kabuli</i>	Ca_Kabuli_Chr02	34888414	(T/C)
3221	CakSNP3221	<i>Kabuli</i>	Ca_Kabuli_Chr02	35013088	(G/C)
3222	CakSNP3222	<i>Kabuli</i>	Ca_Kabuli_Chr02	35013084	(T/C)
3223	CakSNP3223	<i>Kabuli</i>	Ca_Kabuli_Chr02	35052930	(C/A)
3224	CakSNP3224	<i>Kabuli</i>	Ca_Kabuli_Chr02	35054244	(C/A)
3225	CakSNP3225	<i>Kabuli</i>	Ca_Kabuli_Chr02	35059446	(A/T)
3226	CakSNP3226	<i>Kabuli</i>	Ca_Kabuli_Chr02	35059434	(T/C)
3227	CakSNP3227	<i>Kabuli</i>	Ca_Kabuli_Chr02	35059440	(A/C)
3228	CakSNP3228	<i>Kabuli</i>	Ca_Kabuli_Chr02	35059451	(C/A)
3229	CakSNP3229	<i>Kabuli</i>	Ca_Kabuli_Chr02	35060171	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3230	CakSNP3230	<i>Kabuli</i>	Ca_Kabuli_Chr02	35060178	(A/T)
3231	CakSNP3231	<i>Kabuli</i>	Ca_Kabuli_Chr02	35060228	(T/C)
3232	CakSNP3232	<i>Kabuli</i>	Ca_Kabuli_Chr02	35060273	(G/A)
3233	CakSNP3233	<i>Kabuli</i>	Ca_Kabuli_Chr02	35060264	(A/T)
3234	CakSNP3234	<i>Kabuli</i>	Ca_Kabuli_Chr02	35066138	(G/A)
3235	CakSNP3235	<i>Kabuli</i>	Ca_Kabuli_Chr02	35095010	(A/G)
3236	CakSNP3236	<i>Kabuli</i>	Ca_Kabuli_Chr02	35096648	(A/T)
3237	CakSNP3237	<i>Kabuli</i>	Ca_Kabuli_Chr02	35096649	(A/T)
3238	CakSNP3238	<i>Kabuli</i>	Ca_Kabuli_Chr02	35120761	(G/A)
3239	CakSNP3239	<i>Kabuli</i>	Ca_Kabuli_Chr02	35122109	(C/G)
3240	CakSNP3240	<i>Kabuli</i>	Ca_Kabuli_Chr02	35154629	(C/A)
3241	CakSNP3241	<i>Kabuli</i>	Ca_Kabuli_Chr02	35154603	(G/A)
3242	CakSNP3242	<i>Kabuli</i>	Ca_Kabuli_Chr02	35171882	(T/G)
3243	CakSNP3243	<i>Kabuli</i>	Ca_Kabuli_Chr02	35189471	(C/T)
3244	CakSNP3244	<i>Kabuli</i>	Ca_Kabuli_Chr02	35195303	(T/C)
3245	CakSNP3245	<i>Kabuli</i>	Ca_Kabuli_Chr02	35198352	(T/C)
3246	CakSNP3246	<i>Kabuli</i>	Ca_Kabuli_Chr02	35209940	(C/T)
3247	CakSNP3247	<i>Kabuli</i>	Ca_Kabuli_Chr02	35362587	(A/G)
3248	CakSNP3248	<i>Kabuli</i>	Ca_Kabuli_Chr02	35362642	(A/G)
3249	CakSNP3249	<i>Kabuli</i>	Ca_Kabuli_Chr02	35362657	(C/A)
3250	CakSNP3250	<i>Kabuli</i>	Ca_Kabuli_Chr02	35362729	(A/G)
3251	CakSNP3251	<i>Kabuli</i>	Ca_Kabuli_Chr02	35363488	(T/C)
3252	CakSNP3252	<i>Kabuli</i>	Ca_Kabuli_Chr02	35363501	(T/C)
3253	CakSNP3253	<i>Kabuli</i>	Ca_Kabuli_Chr02	35365029	(C/T)
3254	CakSNP3254	<i>Kabuli</i>	Ca_Kabuli_Chr02	35367161	(G/A)
3255	CakSNP3255	<i>Kabuli</i>	Ca_Kabuli_Chr02	35413400	(T/A)
3256	CakSNP3256	<i>Kabuli</i>	Ca_Kabuli_Chr02	35441184	(C/T)
3257	CakSNP3257	<i>Kabuli</i>	Ca_Kabuli_Chr02	35441180	(A/G)
3258	CakSNP3258	<i>Kabuli</i>	Ca_Kabuli_Chr02	35441174	(T/G)
3259	CakSNP3259	<i>Kabuli</i>	Ca_Kabuli_Chr02	35447976	(A/G)
3260	CakSNP3260	<i>Kabuli</i>	Ca_Kabuli_Chr02	35448018	(C/G)
3261	CakSNP3261	<i>Kabuli</i>	Ca_Kabuli_Chr02	35448126	(T/A)
3262	CakSNP3262	<i>Kabuli</i>	Ca_Kabuli_Chr02	35449653	(G/A)
3263	CakSNP3263	<i>Kabuli</i>	Ca_Kabuli_Chr02	35473250	(C/T)
3264	CakSNP3264	<i>Kabuli</i>	Ca_Kabuli_Chr02	35505791	(C/G)
3265	CakSNP3265	<i>Kabuli</i>	Ca_Kabuli_Chr02	35505874	(T/G)
3266	CakSNP3266	<i>Kabuli</i>	Ca_Kabuli_Chr02	35533246	(G/A)
3267	CakSNP3267	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593439	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3268	CakSNP3268	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593797	(G/T)
3269	CakSNP3269	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593824	(A/C)
3270	CakSNP3270	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593827	(A/G)
3271	CakSNP3271	<i>Kabuli</i>	Ca_Kabuli_Chr02	35594018	(A/T)
3272	CakSNP3272	<i>Kabuli</i>	Ca_Kabuli_Chr02	35594013	(C/T)
3273	CakSNP3273	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593985	(A/G)
3274	CakSNP3274	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593965	(C/T)
3275	CakSNP3275	<i>Kabuli</i>	Ca_Kabuli_Chr02	35593956	(A/G)
3276	CakSNP3276	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601566	(T/C)
3277	CakSNP3277	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601571	(A/C)
3278	CakSNP3278	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601578	(C/T)
3279	CakSNP3279	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601605	(G/A)
3280	CakSNP3280	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601691	(A/G)
3281	CakSNP3281	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601657	(T/C)
3282	CakSNP3282	<i>Kabuli</i>	Ca_Kabuli_Chr02	35601632	(G/T)
3283	CakSNP3283	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612587	(C/A)
3284	CakSNP3284	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612590	(G/A)
3285	CakSNP3285	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612644	(G/A)
3286	CakSNP3286	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612788	(G/A)
3287	CakSNP3287	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612895	(T/C)
3288	CakSNP3288	<i>Kabuli</i>	Ca_Kabuli_Chr02	35612900	(C/T)
3289	CakSNP3289	<i>Kabuli</i>	Ca_Kabuli_Chr02	35613016	(G/A)
3290	CakSNP3290	<i>Kabuli</i>	Ca_Kabuli_Chr02	35613135	(T/C)
3291	CakSNP3291	<i>Kabuli</i>	Ca_Kabuli_Chr02	35658426	(C/T)
3292	CakSNP3292	<i>Kabuli</i>	Ca_Kabuli_Chr02	35658537	(T/C)
3293	CakSNP3293	<i>Kabuli</i>	Ca_Kabuli_Chr02	35661053	(C/T)
3294	CakSNP3294	<i>Kabuli</i>	Ca_Kabuli_Chr02	35670478	(A/G)
3295	CakSNP3295	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704018	(A/G)
3296	CakSNP3296	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704069	(G/A)
3297	CakSNP3297	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704228	(C/A)
3298	CakSNP3298	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704213	(A/G)
3299	CakSNP3299	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704204	(T/C)
3300	CakSNP3300	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704200	(T/C)
3301	CakSNP3301	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704180	(A/G)
3302	CakSNP3302	<i>Kabuli</i>	Ca_Kabuli_Chr02	35704178	(G/A)
3303	CakSNP3303	<i>Kabuli</i>	Ca_Kabuli_Chr02	35728285	(T/A)
3304	CakSNP3304	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754617	(G/T)
3305	CakSNP3305	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754557	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3306	CakSNP3306	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754680	(C/A)
3307	CakSNP3307	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754682	(A/G)
3308	CakSNP3308	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754806	(G/C)
3309	CakSNP3309	<i>Kabuli</i>	Ca_Kabuli_Chr02	35754757	(G/C)
3310	CakSNP3310	<i>Kabuli</i>	Ca_Kabuli_Chr02	35759932	(A/T)
3311	CakSNP3311	<i>Kabuli</i>	Ca_Kabuli_Chr02	35759940	(T/C)
3312	CakSNP3312	<i>Kabuli</i>	Ca_Kabuli_Chr02	35759981	(G/A)
3313	CakSNP3313	<i>Kabuli</i>	Ca_Kabuli_Chr02	35760062	(G/C)
3314	CakSNP3314	<i>Kabuli</i>	Ca_Kabuli_Chr02	35760073	(A/T)
3315	CakSNP3315	<i>Kabuli</i>	Ca_Kabuli_Chr02	35760170	(A/G)
3316	CakSNP3316	<i>Kabuli</i>	Ca_Kabuli_Chr02	35760155	(G/A)
3317	CakSNP3317	<i>Kabuli</i>	Ca_Kabuli_Chr02	35770569	(A/G)
3318	CakSNP3318	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795446	(G/A)
3319	CakSNP3319	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795395	(A/G)
3320	CakSNP3320	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795494	(G/A)
3321	CakSNP3321	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795496	(G/T)
3322	CakSNP3322	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795497	(G/T)
3323	CakSNP3323	<i>Kabuli</i>	Ca_Kabuli_Chr02	35795521	(T/C)
3324	CakSNP3324	<i>Kabuli</i>	Ca_Kabuli_Chr02	35828553	(G/A)
3325	CakSNP3325	<i>Kabuli</i>	Ca_Kabuli_Chr02	35829782	(A/G)
3326	CakSNP3326	<i>Kabuli</i>	Ca_Kabuli_Chr02	35844790	(A/G)
3327	CakSNP3327	<i>Kabuli</i>	Ca_Kabuli_Chr02	35844762	(A/G)
3328	CakSNP3328	<i>Kabuli</i>	Ca_Kabuli_Chr02	35862852	(C/T)
3329	CakSNP3329	<i>Kabuli</i>	Ca_Kabuli_Chr02	35862878	(T/G)
3330	CakSNP3330	<i>Kabuli</i>	Ca_Kabuli_Chr02	35875666	(A/G)
3331	CakSNP3331	<i>Kabuli</i>	Ca_Kabuli_Chr02	35875653	(C/T)
3332	CakSNP3332	<i>Kabuli</i>	Ca_Kabuli_Chr02	35930699	(T/G)
3333	CakSNP3333	<i>Kabuli</i>	Ca_Kabuli_Chr02	35993062	(C/T)
3334	CakSNP3334	<i>Kabuli</i>	Ca_Kabuli_Chr02	35993082	(T/G)
3335	CakSNP3335	<i>Kabuli</i>	Ca_Kabuli_Chr02	35993089	(C/T)
3336	CakSNP3336	<i>Kabuli</i>	Ca_Kabuli_Chr02	35993092	(A/T)
3337	CakSNP3337	<i>Kabuli</i>	Ca_Kabuli_Chr02	35993178	(G/A)
3338	CakSNP3338	<i>Kabuli</i>	Ca_Kabuli_Chr02	36013809	(A/G)
3339	CakSNP3339	<i>Kabuli</i>	Ca_Kabuli_Chr02	36039428	(C/T)
3340	CakSNP3340	<i>Kabuli</i>	Ca_Kabuli_Chr02	36039377	(C/T)
3341	CakSNP3341	<i>Kabuli</i>	Ca_Kabuli_Chr02	36039364	(G/T)
3342	CakSNP3342	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046593	(G/T)
3343	CakSNP3343	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046595	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3344	CakSNP3344	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046741	(G/A)
3345	CakSNP3345	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046720	(T/A)
3346	CakSNP3346	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046767	(T/A)
3347	CakSNP3347	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046799	(C/A)
3348	CakSNP3348	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046820	(T/A)
3349	CakSNP3349	<i>Kabuli</i>	Ca_Kabuli_Chr02	36046844	(T/G)
3350	CakSNP3350	<i>Kabuli</i>	Ca_Kabuli_Chr02	36069340	(T/C)
3351	CakSNP3351	<i>Kabuli</i>	Ca_Kabuli_Chr02	36072247	(C/A)
3352	CakSNP3352	<i>Kabuli</i>	Ca_Kabuli_Chr02	36074147	(T/C)
3353	CakSNP3353	<i>Kabuli</i>	Ca_Kabuli_Chr02	36088577	(A/T)
3354	CakSNP3354	<i>Kabuli</i>	Ca_Kabuli_Chr02	36088623	(C/T)
3355	CakSNP3355	<i>Kabuli</i>	Ca_Kabuli_Chr02	36088676	(T/C)
3356	CakSNP3356	<i>Kabuli</i>	Ca_Kabuli_Chr02	36088853	(G/A)
3357	CakSNP3357	<i>Kabuli</i>	Ca_Kabuli_Chr02	36101358	(A/G)
3358	CakSNP3358	<i>Kabuli</i>	Ca_Kabuli_Chr02	36101379	(A/G)
3359	CakSNP3359	<i>Kabuli</i>	Ca_Kabuli_Chr02	36101421	(C/T)
3360	CakSNP3360	<i>Kabuli</i>	Ca_Kabuli_Chr02	36117695	(T/A)
3361	CakSNP3361	<i>Kabuli</i>	Ca_Kabuli_Chr02	36117647	(G/A)
3362	CakSNP3362	<i>Kabuli</i>	Ca_Kabuli_Chr02	36253581	(C/T)
3363	CakSNP3363	<i>Kabuli</i>	Ca_Kabuli_Chr02	36276791	(G/A)
3364	CakSNP3364	<i>Kabuli</i>	Ca_Kabuli_Chr02	36323575	(G/T)
3365	CakSNP3365	<i>Kabuli</i>	Ca_Kabuli_Chr02	36326361	(A/C)
3366	CakSNP3366	<i>Kabuli</i>	Ca_Kabuli_Chr02	36335252	(A/C)
3367	CakSNP3367	<i>Kabuli</i>	Ca_Kabuli_Chr02	36343900	(C/T)
3368	CakSNP3368	<i>Kabuli</i>	Ca_Kabuli_Chr02	36343933	(T/C)
3369	CakSNP3369	<i>Kabuli</i>	Ca_Kabuli_Chr02	36346336	(A/G)
3370	CakSNP3370	<i>Kabuli</i>	Ca_Kabuli_Chr02	36375224	(A/G)
3371	CakSNP3371	<i>Kabuli</i>	Ca_Kabuli_Chr02	36375638	(A/G)
3372	CakSNP3372	<i>Kabuli</i>	Ca_Kabuli_Chr02	36387189	(G/C)
3373	CakSNP3373	<i>Kabuli</i>	Ca_Kabuli_Chr02	36387245	(T/C)
3374	CakSNP3374	<i>Kabuli</i>	Ca_Kabuli_Chr02	36389041	(G/A)
3375	CakSNP3375	<i>Kabuli</i>	Ca_Kabuli_Chr02	36389096	(C/T)
3376	CakSNP3376	<i>Kabuli</i>	Ca_Kabuli_Chr02	36403788	(A/G)
3377	CakSNP3377	<i>Kabuli</i>	Ca_Kabuli_Chr02	36427841	(C/T)
3378	CakSNP3378	<i>Kabuli</i>	Ca_Kabuli_Chr02	36429512	(T/C)
3379	CakSNP3379	<i>Kabuli</i>	Ca_Kabuli_Chr02	36438939	(T/G)
3380	CakSNP3380	<i>Kabuli</i>	Ca_Kabuli_Chr02	36453691	(A/G)
3381	CakSNP3381	<i>Kabuli</i>	Ca_Kabuli_Chr02	36453685	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3382	CakSNP3382	<i>Kabuli</i>	Ca_Kabuli_Chr02	36466837	(C/T)
3383	CakSNP3383	<i>Kabuli</i>	Ca_Kabuli_Chr02	36466998	(A/G)
3384	CakSNP3384	<i>Kabuli</i>	Ca_Kabuli_Chr02	36467100	(A/C)
3385	CakSNP3385	<i>Kabuli</i>	Ca_Kabuli_Chr02	36468390	(A/G)
3386	CakSNP3386	<i>Kabuli</i>	Ca_Kabuli_Chr02	36468505	(C/A)
3387	CakSNP3387	<i>Kabuli</i>	Ca_Kabuli_Chr02	36469921	(A/G)
3388	CakSNP3388	<i>Kabuli</i>	Ca_Kabuli_Chr02	36505316	(C/A)
3389	CakSNP3389	<i>Kabuli</i>	Ca_Kabuli_Chr02	36521200	(T/C)
3390	CakSNP3390	<i>Kabuli</i>	Ca_Kabuli_Chr02	36533821	(A/C)
3391	CakSNP3391	<i>Kabuli</i>	Ca_Kabuli_Chr02	36533910	(G/A)
3392	CakSNP3392	<i>Kabuli</i>	Ca_Kabuli_Chr02	36554430	(G/A)
3393	CakSNP3393	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609730	(T/A)
3394	CakSNP3394	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609743	(C/T)
3395	CakSNP3395	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609744	(G/C)
3396	CakSNP3396	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609858	(C/G)
3397	CakSNP3397	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609950	(C/T)
3398	CakSNP3398	<i>Kabuli</i>	Ca_Kabuli_Chr02	36609968	(C/T)
3399	CakSNP3399	<i>Kabuli</i>	Ca_Kabuli_Chr02	36634234	(T/C)
3400	CakSNP3400	<i>Kabuli</i>	Ca_Kabuli_Chr02	36634297	(C/G)
3401	CakSNP3401	<i>Kabuli</i>	Ca_Kabuli_Chr03	171409	(A/T)
3402	CakSNP3402	<i>Kabuli</i>	Ca_Kabuli_Chr03	171468	(A/G)
3403	CakSNP3403	<i>Kabuli</i>	Ca_Kabuli_Chr03	171574	(C/A)
3404	CakSNP3404	<i>Kabuli</i>	Ca_Kabuli_Chr03	171576	(G/T)
3405	CakSNP3405	<i>Kabuli</i>	Ca_Kabuli_Chr03	171579	(C/T)
3406	CakSNP3406	<i>Kabuli</i>	Ca_Kabuli_Chr03	171675	(T/A)
3407	CakSNP3407	<i>Kabuli</i>	Ca_Kabuli_Chr03	208233	(C/A)
3408	CakSNP3408	<i>Kabuli</i>	Ca_Kabuli_Chr03	220564	(A/G)
3409	CakSNP3409	<i>Kabuli</i>	Ca_Kabuli_Chr03	220568	(A/T)
3410	CakSNP3410	<i>Kabuli</i>	Ca_Kabuli_Chr03	220572	(T/C)
3411	CakSNP3411	<i>Kabuli</i>	Ca_Kabuli_Chr03	220573	(G/T)
3412	CakSNP3412	<i>Kabuli</i>	Ca_Kabuli_Chr03	223943	(G/A)
3413	CakSNP3413	<i>Kabuli</i>	Ca_Kabuli_Chr03	223976	(G/C)
3414	CakSNP3414	<i>Kabuli</i>	Ca_Kabuli_Chr03	286425	(G/T)
3415	CakSNP3415	<i>Kabuli</i>	Ca_Kabuli_Chr03	419715	(T/G)
3416	CakSNP3416	<i>Kabuli</i>	Ca_Kabuli_Chr03	988477	(G/A)
3417	CakSNP3417	<i>Kabuli</i>	Ca_Kabuli_Chr03	988471	(T/C)
3418	CakSNP3418	<i>Kabuli</i>	Ca_Kabuli_Chr03	1499038	(G/A)
3419	CakSNP3419	<i>Kabuli</i>	Ca_Kabuli_Chr03	1499006	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3420	CakSNP3420	<i>Kabuli</i>	Ca_Kabuli_Chr03	1746388	(C/A)
3421	CakSNP3421	<i>Kabuli</i>	Ca_Kabuli_Chr03	1746389	(A/G)
3422	CakSNP3422	<i>Kabuli</i>	Ca_Kabuli_Chr03	1829412	(T/G)
3423	CakSNP3423	<i>Kabuli</i>	Ca_Kabuli_Chr03	1829358	(T/C)
3424	CakSNP3424	<i>Kabuli</i>	Ca_Kabuli_Chr03	1829352	(C/T)
3425	CakSNP3425	<i>Kabuli</i>	Ca_Kabuli_Chr03	1831920	(T/G)
3426	CakSNP3426	<i>Kabuli</i>	Ca_Kabuli_Chr03	1831866	(T/C)
3427	CakSNP3427	<i>Kabuli</i>	Ca_Kabuli_Chr03	1831860	(C/T)
3428	CakSNP3428	<i>Kabuli</i>	Ca_Kabuli_Chr03	1831931	(A/C)
3429	CakSNP3429	<i>Kabuli</i>	Ca_Kabuli_Chr03	2097376	(T/G)
3430	CakSNP3430	<i>Kabuli</i>	Ca_Kabuli_Chr03	2097413	(A/G)
3431	CakSNP3431	<i>Kabuli</i>	Ca_Kabuli_Chr03	2391515	(T/G)
3432	CakSNP3432	<i>Kabuli</i>	Ca_Kabuli_Chr03	2423760	(T/C)
3433	CakSNP3433	<i>Kabuli</i>	Ca_Kabuli_Chr03	2708703	(C/T)
3434	CakSNP3434	<i>Kabuli</i>	Ca_Kabuli_Chr03	2825546	(G/T)
3435	CakSNP3435	<i>Kabuli</i>	Ca_Kabuli_Chr03	2927148	(T/A)
3436	CakSNP3436	<i>Kabuli</i>	Ca_Kabuli_Chr03	2927150	(A/T)
3437	CakSNP3437	<i>Kabuli</i>	Ca_Kabuli_Chr03	2931027	(G/C)
3438	CakSNP3438	<i>Kabuli</i>	Ca_Kabuli_Chr03	2931046	(C/T)
3439	CakSNP3439	<i>Kabuli</i>	Ca_Kabuli_Chr03	2975179	(T/C)
3440	CakSNP3440	<i>Kabuli</i>	Ca_Kabuli_Chr03	3280478	(C/T)
3441	CakSNP3441	<i>Kabuli</i>	Ca_Kabuli_Chr03	3280500	(C/T)
3442	CakSNP3442	<i>Kabuli</i>	Ca_Kabuli_Chr03	3280530	(G/A)
3443	CakSNP3443	<i>Kabuli</i>	Ca_Kabuli_Chr03	3280595	(G/A)
3444	CakSNP3444	<i>Kabuli</i>	Ca_Kabuli_Chr03	3617555	(G/A)
3445	CakSNP3445	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701394	(A/T)
3446	CakSNP3446	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701396	(C/T)
3447	CakSNP3447	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701398	(A/T)
3448	CakSNP3448	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701401	(A/T)
3449	CakSNP3449	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701403	(A/T)
3450	CakSNP3450	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701405	(G/T)
3451	CakSNP3451	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701415	(C/T)
3452	CakSNP3452	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701422	(C/T)
3453	CakSNP3453	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701426	(T/C)
3454	CakSNP3454	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701435	(A/T)
3455	CakSNP3455	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701436	(C/T)
3456	CakSNP3456	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701437	(A/T)
3457	CakSNP3457	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701440	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3458	CakSNP3458	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701450	(C/T)
3459	CakSNP3459	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701375	(G/A)
3460	CakSNP3460	<i>Kabuli</i>	Ca_Kabuli_Chr03	3701370	(G/A)
3461	CakSNP3461	<i>Kabuli</i>	Ca_Kabuli_Chr03	3744908	(G/A)
3462	CakSNP3462	<i>Kabuli</i>	Ca_Kabuli_Chr03	3764420	(T/A)
3463	CakSNP3463	<i>Kabuli</i>	Ca_Kabuli_Chr03	3764508	(T/C)
3464	CakSNP3464	<i>Kabuli</i>	Ca_Kabuli_Chr03	3764545	(C/T)
3465	CakSNP3465	<i>Kabuli</i>	Ca_Kabuli_Chr03	4145743	(G/A)
3466	CakSNP3466	<i>Kabuli</i>	Ca_Kabuli_Chr03	4178154	(C/T)
3467	CakSNP3467	<i>Kabuli</i>	Ca_Kabuli_Chr03	4266739	(G/A)
3468	CakSNP3468	<i>Kabuli</i>	Ca_Kabuli_Chr03	4266700	(T/G)
3469	CakSNP3469	<i>Kabuli</i>	Ca_Kabuli_Chr03	4266691	(C/T)
3470	CakSNP3470	<i>Kabuli</i>	Ca_Kabuli_Chr03	4266686	(C/T)
3471	CakSNP3471	<i>Kabuli</i>	Ca_Kabuli_Chr03	4266668	(G/A)
3472	CakSNP3472	<i>Kabuli</i>	Ca_Kabuli_Chr03	4555124	(G/A)
3473	CakSNP3473	<i>Kabuli</i>	Ca_Kabuli_Chr03	4555142	(T/A)
3474	CakSNP3474	<i>Kabuli</i>	Ca_Kabuli_Chr03	4555167	(C/G)
3475	CakSNP3475	<i>Kabuli</i>	Ca_Kabuli_Chr03	4555177	(C/T)
3476	CakSNP3476	<i>Kabuli</i>	Ca_Kabuli_Chr03	4596815	(C/T)
3477	CakSNP3477	<i>Kabuli</i>	Ca_Kabuli_Chr03	4596782	(A/G)
3478	CakSNP3478	<i>Kabuli</i>	Ca_Kabuli_Chr03	4604649	(A/G)
3479	CakSNP3479	<i>Kabuli</i>	Ca_Kabuli_Chr03	4606129	(T/A)
3480	CakSNP3480	<i>Kabuli</i>	Ca_Kabuli_Chr03	4606128	(A/G)
3481	CakSNP3481	<i>Kabuli</i>	Ca_Kabuli_Chr03	4629742	(A/T)
3482	CakSNP3482	<i>Kabuli</i>	Ca_Kabuli_Chr03	4629747	(A/C)
3483	CakSNP3483	<i>Kabuli</i>	Ca_Kabuli_Chr03	4654906	(C/T)
3484	CakSNP3484	<i>Kabuli</i>	Ca_Kabuli_Chr03	4654898	(G/T)
3485	CakSNP3485	<i>Kabuli</i>	Ca_Kabuli_Chr03	4654896	(T/C)
3486	CakSNP3486	<i>Kabuli</i>	Ca_Kabuli_Chr03	4823828	(T/C)
3487	CakSNP3487	<i>Kabuli</i>	Ca_Kabuli_Chr03	5224781	(A/G)
3488	CakSNP3488	<i>Kabuli</i>	Ca_Kabuli_Chr03	5225052	(A/G)
3489	CakSNP3489	<i>Kabuli</i>	Ca_Kabuli_Chr03	5225063	(G/T)
3490	CakSNP3490	<i>Kabuli</i>	Ca_Kabuli_Chr03	5225108	(T/G)
3491	CakSNP3491	<i>Kabuli</i>	Ca_Kabuli_Chr03	5225079	(G/A)
3492	CakSNP3492	<i>Kabuli</i>	Ca_Kabuli_Chr03	5415782	(G/A)
3493	CakSNP3493	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436267	(A/G)
3494	CakSNP3494	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436272	(T/C)
3495	CakSNP3495	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436277	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3496	CakSNP3496	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436288	(G/T)
3497	CakSNP3497	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436295	(G/A)
3498	CakSNP3498	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436296	(C/T)
3499	CakSNP3499	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436299	(A/C)
3500	CakSNP3500	<i>Kabuli</i>	Ca_Kabuli_Chr03	5436331	(C/A)
3501	CakSNP3501	<i>Kabuli</i>	Ca_Kabuli_Chr03	5514176	(A/G)
3502	CakSNP3502	<i>Kabuli</i>	Ca_Kabuli_Chr03	5514287	(C/A)
3503	CakSNP3503	<i>Kabuli</i>	Ca_Kabuli_Chr03	6169456	(G/T)
3504	CakSNP3504	<i>Kabuli</i>	Ca_Kabuli_Chr03	6169539	(T/C)
3505	CakSNP3505	<i>Kabuli</i>	Ca_Kabuli_Chr03	6169510	(A/C)
3506	CakSNP3506	<i>Kabuli</i>	Ca_Kabuli_Chr03	6278104	(G/A)
3507	CakSNP3507	<i>Kabuli</i>	Ca_Kabuli_Chr03	6467014	(G/A)
3508	CakSNP3508	<i>Kabuli</i>	Ca_Kabuli_Chr03	6683646	(A/G)
3509	CakSNP3509	<i>Kabuli</i>	Ca_Kabuli_Chr03	6683587	(T/A)
3510	CakSNP3510	<i>Kabuli</i>	Ca_Kabuli_Chr03	6828181	(A/T)
3511	CakSNP3511	<i>Kabuli</i>	Ca_Kabuli_Chr03	6840644	(C/T)
3512	CakSNP3512	<i>Kabuli</i>	Ca_Kabuli_Chr03	6894987	(C/A)
3513	CakSNP3513	<i>Kabuli</i>	Ca_Kabuli_Chr03	6895085	(T/C)
3514	CakSNP3514	<i>Kabuli</i>	Ca_Kabuli_Chr03	6899667	(T/C)
3515	CakSNP3515	<i>Kabuli</i>	Ca_Kabuli_Chr03	7013492	(G/A)
3516	CakSNP3516	<i>Kabuli</i>	Ca_Kabuli_Chr03	7015213	(T/G)
3517	CakSNP3517	<i>Kabuli</i>	Ca_Kabuli_Chr03	7024620	(G/A)
3518	CakSNP3518	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204053	(G/A)
3519	CakSNP3519	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204071	(T/C)
3520	CakSNP3520	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204087	(C/T)
3521	CakSNP3521	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204088	(G/C)
3522	CakSNP3522	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204098	(G/A)
3523	CakSNP3523	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204099	(C/T)
3524	CakSNP3524	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204111	(G/A)
3525	CakSNP3525	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204112	(G/A)
3526	CakSNP3526	<i>Kabuli</i>	Ca_Kabuli_Chr03	7204133	(G/T)
3527	CakSNP3527	<i>Kabuli</i>	Ca_Kabuli_Chr03	7226689	(T/C)
3528	CakSNP3528	<i>Kabuli</i>	Ca_Kabuli_Chr03	7226661	(G/T)
3529	CakSNP3529	<i>Kabuli</i>	Ca_Kabuli_Chr03	7226632	(G/T)
3530	CakSNP3530	<i>Kabuli</i>	Ca_Kabuli_Chr03	7246049	(T/G)
3531	CakSNP3531	<i>Kabuli</i>	Ca_Kabuli_Chr03	7420705	(G/A)
3532	CakSNP3532	<i>Kabuli</i>	Ca_Kabuli_Chr03	7433747	(C/A)
3533	CakSNP3533	<i>Kabuli</i>	Ca_Kabuli_Chr03	7461833	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3534	CakSNP3534	<i>Kabuli</i>	Ca_Kabuli_Chr03	7482871	(C/T)
3535	CakSNP3535	<i>Kabuli</i>	Ca_Kabuli_Chr03	7606843	(A/G)
3536	CakSNP3536	<i>Kabuli</i>	Ca_Kabuli_Chr03	7606901	(T/C)
3537	CakSNP3537	<i>Kabuli</i>	Ca_Kabuli_Chr03	7606905	(C/G)
3538	CakSNP3538	<i>Kabuli</i>	Ca_Kabuli_Chr03	7608100	(A/G)
3539	CakSNP3539	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665123	(G/A)
3540	CakSNP3540	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665112	(C/T)
3541	CakSNP3541	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665100	(G/T)
3542	CakSNP3542	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665098	(C/T)
3543	CakSNP3543	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665090	(C/T)
3544	CakSNP3544	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665078	(G/A)
3545	CakSNP3545	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665075	(G/A)
3546	CakSNP3546	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665156	(G/A)
3547	CakSNP3547	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665149	(T/G)
3548	CakSNP3548	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665142	(G/A)
3549	CakSNP3549	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665140	(G/T)
3550	CakSNP3550	<i>Kabuli</i>	Ca_Kabuli_Chr03	7665157	(C/T)
3551	CakSNP3551	<i>Kabuli</i>	Ca_Kabuli_Chr03	7694198	(C/T)
3552	CakSNP3552	<i>Kabuli</i>	Ca_Kabuli_Chr03	7694297	(T/C)
3553	CakSNP3553	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536213	(T/C)
3554	CakSNP3554	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536275	(C/T)
3555	CakSNP3555	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536295	(A/T)
3556	CakSNP3556	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536301	(G/T)
3557	CakSNP3557	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536425	(C/A)
3558	CakSNP3558	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536498	(T/A)
3559	CakSNP3559	<i>Kabuli</i>	Ca_Kabuli_Chr03	8536559	(T/C)
3560	CakSNP3560	<i>Kabuli</i>	Ca_Kabuli_Chr03	8668628	(A/C)
3561	CakSNP3561	<i>Kabuli</i>	Ca_Kabuli_Chr03	8669004	(A/T)
3562	CakSNP3562	<i>Kabuli</i>	Ca_Kabuli_Chr03	8669132	(T/A)
3563	CakSNP3563	<i>Kabuli</i>	Ca_Kabuli_Chr03	8697186	(A/G)
3564	CakSNP3564	<i>Kabuli</i>	Ca_Kabuli_Chr03	8712381	(A/C)
3565	CakSNP3565	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933037	(T/C)
3566	CakSNP3566	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933084	(G/A)
3567	CakSNP3567	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933086	(C/A)
3568	CakSNP3568	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933221	(T/A)
3569	CakSNP3569	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933183	(A/G)
3570	CakSNP3570	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933255	(A/T)
3571	CakSNP3571	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933266	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3572	CakSNP3572	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933409	(A/C)
3573	CakSNP3573	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933370	(A/G)
3574	CakSNP3574	<i>Kabuli</i>	Ca_Kabuli_Chr03	8933355	(A/T)
3575	CakSNP3575	<i>Kabuli</i>	Ca_Kabuli_Chr03	9221403	(G/A)
3576	CakSNP3576	<i>Kabuli</i>	Ca_Kabuli_Chr03	9221528	(C/T)
3577	CakSNP3577	<i>Kabuli</i>	Ca_Kabuli_Chr03	9221579	(G/C)
3578	CakSNP3578	<i>Kabuli</i>	Ca_Kabuli_Chr03	9221580	(T/G)
3579	CakSNP3579	<i>Kabuli</i>	Ca_Kabuli_Chr03	9223444	(G/C)
3580	CakSNP3580	<i>Kabuli</i>	Ca_Kabuli_Chr03	9223875	(G/A)
3581	CakSNP3581	<i>Kabuli</i>	Ca_Kabuli_Chr03	9224033	(C/A)
3582	CakSNP3582	<i>Kabuli</i>	Ca_Kabuli_Chr03	9224011	(G/A)
3583	CakSNP3583	<i>Kabuli</i>	Ca_Kabuli_Chr03	9296469	(T/G)
3584	CakSNP3584	<i>Kabuli</i>	Ca_Kabuli_Chr03	9448525	(T/C)
3585	CakSNP3585	<i>Kabuli</i>	Ca_Kabuli_Chr03	9577402	(G/A)
3586	CakSNP3586	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579805	(A/T)
3587	CakSNP3587	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579808	(C/T)
3588	CakSNP3588	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579811	(G/C)
3589	CakSNP3589	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579817	(G/A)
3590	CakSNP3590	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579818	(G/T)
3591	CakSNP3591	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579824	(A/G)
3592	CakSNP3592	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579830	(T/A)
3593	CakSNP3593	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579831	(C/G)
3594	CakSNP3594	<i>Kabuli</i>	Ca_Kabuli_Chr03	9579839	(G/A)
3595	CakSNP3595	<i>Kabuli</i>	Ca_Kabuli_Chr03	9894316	(C/T)
3596	CakSNP3596	<i>Kabuli</i>	Ca_Kabuli_Chr03	9894310	(C/A)
3597	CakSNP3597	<i>Kabuli</i>	Ca_Kabuli_Chr03	10039539	(T/A)
3598	CakSNP3598	<i>Kabuli</i>	Ca_Kabuli_Chr03	10105733	(A/G)
3599	CakSNP3599	<i>Kabuli</i>	Ca_Kabuli_Chr03	10142152	(C/A)
3600	CakSNP3600	<i>Kabuli</i>	Ca_Kabuli_Chr03	10159836	(A/C)
3601	CakSNP3601	<i>Kabuli</i>	Ca_Kabuli_Chr03	10159859	(G/A)
3602	CakSNP3602	<i>Kabuli</i>	Ca_Kabuli_Chr03	10159941	(C/A)
3603	CakSNP3603	<i>Kabuli</i>	Ca_Kabuli_Chr03	10159943	(G/A)
3604	CakSNP3604	<i>Kabuli</i>	Ca_Kabuli_Chr03	10159944	(T/C)
3605	CakSNP3605	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186893	(G/C)
3606	CakSNP3606	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186861	(G/T)
3607	CakSNP3607	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186857	(A/G)
3608	CakSNP3608	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186880	(A/G)
3609	CakSNP3609	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186889	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3610	CakSNP3610	<i>Kabuli</i>	Ca_Kabuli_Chr03	10186891	(C/G)
3611	CakSNP3611	<i>Kabuli</i>	Ca_Kabuli_Chr03	10201361	(G/T)
3612	CakSNP3612	<i>Kabuli</i>	Ca_Kabuli_Chr03	10722780	(G/T)
3613	CakSNP3613	<i>Kabuli</i>	Ca_Kabuli_Chr03	10722849	(G/C)
3614	CakSNP3614	<i>Kabuli</i>	Ca_Kabuli_Chr03	10722859	(G/A)
3615	CakSNP3615	<i>Kabuli</i>	Ca_Kabuli_Chr03	11143751	(G/A)
3616	CakSNP3616	<i>Kabuli</i>	Ca_Kabuli_Chr03	11143818	(G/A)
3617	CakSNP3617	<i>Kabuli</i>	Ca_Kabuli_Chr03	11143816	(C/T)
3618	CakSNP3618	<i>Kabuli</i>	Ca_Kabuli_Chr03	11376752	(C/A)
3619	CakSNP3619	<i>Kabuli</i>	Ca_Kabuli_Chr03	11378141	(C/T)
3620	CakSNP3620	<i>Kabuli</i>	Ca_Kabuli_Chr03	11378425	(G/T)
3621	CakSNP3621	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590767	(C/T)
3622	CakSNP3622	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590793	(C/T)
3623	CakSNP3623	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590817	(C/G)
3624	CakSNP3624	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590874	(A/G)
3625	CakSNP3625	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590860	(G/A)
3626	CakSNP3626	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590832	(G/A)
3627	CakSNP3627	<i>Kabuli</i>	Ca_Kabuli_Chr03	11590814	(T/C)
3628	CakSNP3628	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610500	(A/G)
3629	CakSNP3629	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610494	(C/T)
3630	CakSNP3630	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610460	(A/G)
3631	CakSNP3631	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610441	(G/T)
3632	CakSNP3632	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610481	(C/T)
3633	CakSNP3633	<i>Kabuli</i>	Ca_Kabuli_Chr03	11610451	(C/T)
3634	CakSNP3634	<i>Kabuli</i>	Ca_Kabuli_Chr03	11678625	(G/A)
3635	CakSNP3635	<i>Kabuli</i>	Ca_Kabuli_Chr03	11684552	(G/A)
3636	CakSNP3636	<i>Kabuli</i>	Ca_Kabuli_Chr03	11709777	(G/T)
3637	CakSNP3637	<i>Kabuli</i>	Ca_Kabuli_Chr03	11811685	(A/G)
3638	CakSNP3638	<i>Kabuli</i>	Ca_Kabuli_Chr03	12051826	(A/C)
3639	CakSNP3639	<i>Kabuli</i>	Ca_Kabuli_Chr03	12058576	(T/C)
3640	CakSNP3640	<i>Kabuli</i>	Ca_Kabuli_Chr03	12058756	(A/G)
3641	CakSNP3641	<i>Kabuli</i>	Ca_Kabuli_Chr03	12058748	(A/T)
3642	CakSNP3642	<i>Kabuli</i>	Ca_Kabuli_Chr03	12067458	(A/C)
3643	CakSNP3643	<i>Kabuli</i>	Ca_Kabuli_Chr03	12069092	(T/G)
3644	CakSNP3644	<i>Kabuli</i>	Ca_Kabuli_Chr03	12095571	(T/G)
3645	CakSNP3645	<i>Kabuli</i>	Ca_Kabuli_Chr03	12124099	(G/A)
3646	CakSNP3646	<i>Kabuli</i>	Ca_Kabuli_Chr03	12394742	(G/A)
3647	CakSNP3647	<i>Kabuli</i>	Ca_Kabuli_Chr03	12599496	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3648	CakSNP3648	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622503	(A/G)
3649	CakSNP3649	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622504	(G/T)
3650	CakSNP3650	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622518	(T/G)
3651	CakSNP3651	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622534	(C/T)
3652	CakSNP3652	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622550	(A/T)
3653	CakSNP3653	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622578	(G/A)
3654	CakSNP3654	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622567	(A/C)
3655	CakSNP3655	<i>Kabuli</i>	Ca_Kabuli_Chr03	12622543	(G/A)
3656	CakSNP3656	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627120	(C/T)
3657	CakSNP3657	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627125	(T/C)
3658	CakSNP3658	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627131	(G/A)
3659	CakSNP3659	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627144	(G/A)
3660	CakSNP3660	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627165	(T/C)
3661	CakSNP3661	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627143	(T/C)
3662	CakSNP3662	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627164	(G/A)
3663	CakSNP3663	<i>Kabuli</i>	Ca_Kabuli_Chr03	12627170	(C/G)
3664	CakSNP3664	<i>Kabuli</i>	Ca_Kabuli_Chr03	12809390	(A/G)
3665	CakSNP3665	<i>Kabuli</i>	Ca_Kabuli_Chr03	12809794	(T/C)
3666	CakSNP3666	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814631	(C/T)
3667	CakSNP3667	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814603	(T/C)
3668	CakSNP3668	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814601	(A/C)
3669	CakSNP3669	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814600	(A/G)
3670	CakSNP3670	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814599	(A/T)
3671	CakSNP3671	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814597	(T/A)
3672	CakSNP3672	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814571	(C/A)
3673	CakSNP3673	<i>Kabuli</i>	Ca_Kabuli_Chr03	12814558	(A/G)
3674	CakSNP3674	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897820	(C/T)
3675	CakSNP3675	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897831	(C/A)
3676	CakSNP3676	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897839	(G/A)
3677	CakSNP3677	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897841	(C/A)
3678	CakSNP3678	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897876	(C/T)
3679	CakSNP3679	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897881	(C/T)
3680	CakSNP3680	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897882	(T/G)
3681	CakSNP3681	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897926	(A/C)
3682	CakSNP3682	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897906	(C/A)
3683	CakSNP3683	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897887	(T/C)
3684	CakSNP3684	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897884	(C/T)
3685	CakSNP3685	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897883	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3686	CakSNP3686	<i>Kabuli</i>	Ca_Kabuli_Chr03	12897886	(G/A)
3687	CakSNP3687	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185541	(G/A)
3688	CakSNP3688	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185530	(C/T)
3689	CakSNP3689	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185496	(G/A)
3690	CakSNP3690	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185490	(G/A)
3691	CakSNP3691	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185493	(G/A)
3692	CakSNP3692	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185508	(C/T)
3693	CakSNP3693	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185516	(C/T)
3694	CakSNP3694	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185583	(T/C)
3695	CakSNP3695	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185581	(T/A)
3696	CakSNP3696	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185574	(G/A)
3697	CakSNP3697	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185560	(G/A)
3698	CakSNP3698	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185575	(C/T)
3699	CakSNP3699	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185582	(A/G)
3700	CakSNP3700	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185590	(C/A)
3701	CakSNP3701	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185591	(C/T)
3702	CakSNP3702	<i>Kabuli</i>	Ca_Kabuli_Chr03	13185592	(A/C)
3703	CakSNP3703	<i>Kabuli</i>	Ca_Kabuli_Chr03	13202989	(C/T)
3704	CakSNP3704	<i>Kabuli</i>	Ca_Kabuli_Chr03	13396925	(A/T)
3705	CakSNP3705	<i>Kabuli</i>	Ca_Kabuli_Chr03	13397207	(A/C)
3706	CakSNP3706	<i>Kabuli</i>	Ca_Kabuli_Chr03	13420776	(T/C)
3707	CakSNP3707	<i>Kabuli</i>	Ca_Kabuli_Chr03	13420758	(A/G)
3708	CakSNP3708	<i>Kabuli</i>	Ca_Kabuli_Chr03	13420756	(A/G)
3709	CakSNP3709	<i>Kabuli</i>	Ca_Kabuli_Chr03	13617948	(A/C)
3710	CakSNP3710	<i>Kabuli</i>	Ca_Kabuli_Chr03	14200381	(A/C)
3711	CakSNP3711	<i>Kabuli</i>	Ca_Kabuli_Chr03	14465236	(T/G)
3712	CakSNP3712	<i>Kabuli</i>	Ca_Kabuli_Chr03	14497374	(C/A)
3713	CakSNP3713	<i>Kabuli</i>	Ca_Kabuli_Chr03	14653195	(G/T)
3714	CakSNP3714	<i>Kabuli</i>	Ca_Kabuli_Chr03	14653194	(C/T)
3715	CakSNP3715	<i>Kabuli</i>	Ca_Kabuli_Chr03	14653193	(T/G)
3716	CakSNP3716	<i>Kabuli</i>	Ca_Kabuli_Chr03	14653270	(C/A)
3717	CakSNP3717	<i>Kabuli</i>	Ca_Kabuli_Chr03	14653271	(G/A)
3718	CakSNP3718	<i>Kabuli</i>	Ca_Kabuli_Chr03	14658175	(A/C)
3719	CakSNP3719	<i>Kabuli</i>	Ca_Kabuli_Chr03	14812960	(A/C)
3720	CakSNP3720	<i>Kabuli</i>	Ca_Kabuli_Chr03	14982667	(C/T)
3721	CakSNP3721	<i>Kabuli</i>	Ca_Kabuli_Chr03	14982739	(A/T)
3722	CakSNP3722	<i>Kabuli</i>	Ca_Kabuli_Chr03	15744906	(T/A)
3723	CakSNP3723	<i>Kabuli</i>	Ca_Kabuli_Chr03	15745010	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3724	CakSNP3724	<i>Kabuli</i>	Ca_Kabuli_Chr03	15745017	(A/G)
3725	CakSNP3725	<i>Kabuli</i>	Ca_Kabuli_Chr03	15745264	(G/C)
3726	CakSNP3726	<i>Kabuli</i>	Ca_Kabuli_Chr03	15745311	(G/A)
3727	CakSNP3727	<i>Kabuli</i>	Ca_Kabuli_Chr03	15757804	(T/C)
3728	CakSNP3728	<i>Kabuli</i>	Ca_Kabuli_Chr03	15757829	(C/T)
3729	CakSNP3729	<i>Kabuli</i>	Ca_Kabuli_Chr03	15757852	(A/C)
3730	CakSNP3730	<i>Kabuli</i>	Ca_Kabuli_Chr03	16071411	(G/C)
3731	CakSNP3731	<i>Kabuli</i>	Ca_Kabuli_Chr03	16396662	(C/G)
3732	CakSNP3732	<i>Kabuli</i>	Ca_Kabuli_Chr03	16396673	(A/C)
3733	CakSNP3733	<i>Kabuli</i>	Ca_Kabuli_Chr03	16436286	(T/A)
3734	CakSNP3734	<i>Kabuli</i>	Ca_Kabuli_Chr03	16458123	(G/T)
3735	CakSNP3735	<i>Kabuli</i>	Ca_Kabuli_Chr03	16458413	(T/A)
3736	CakSNP3736	<i>Kabuli</i>	Ca_Kabuli_Chr03	16540328	(T/G)
3737	CakSNP3737	<i>Kabuli</i>	Ca_Kabuli_Chr03	16568567	(A/G)
3738	CakSNP3738	<i>Kabuli</i>	Ca_Kabuli_Chr03	16621498	(G/A)
3739	CakSNP3739	<i>Kabuli</i>	Ca_Kabuli_Chr03	16621624	(G/T)
3740	CakSNP3740	<i>Kabuli</i>	Ca_Kabuli_Chr03	16768867	(A/G)
3741	CakSNP3741	<i>Kabuli</i>	Ca_Kabuli_Chr03	16768936	(A/G)
3742	CakSNP3742	<i>Kabuli</i>	Ca_Kabuli_Chr03	16768917	(C/T)
3743	CakSNP3743	<i>Kabuli</i>	Ca_Kabuli_Chr03	16948510	(G/T)
3744	CakSNP3744	<i>Kabuli</i>	Ca_Kabuli_Chr03	16948854	(A/T)
3745	CakSNP3745	<i>Kabuli</i>	Ca_Kabuli_Chr03	16995243	(C/T)
3746	CakSNP3746	<i>Kabuli</i>	Ca_Kabuli_Chr03	16997328	(G/A)
3747	CakSNP3747	<i>Kabuli</i>	Ca_Kabuli_Chr03	16997331	(C/T)
3748	CakSNP3748	<i>Kabuli</i>	Ca_Kabuli_Chr03	16997400	(T/C)
3749	CakSNP3749	<i>Kabuli</i>	Ca_Kabuli_Chr03	17136071	(G/C)
3750	CakSNP3750	<i>Kabuli</i>	Ca_Kabuli_Chr03	17136097	(T/C)
3751	CakSNP3751	<i>Kabuli</i>	Ca_Kabuli_Chr03	17145639	(A/T)
3752	CakSNP3752	<i>Kabuli</i>	Ca_Kabuli_Chr03	17145643	(G/T)
3753	CakSNP3753	<i>Kabuli</i>	Ca_Kabuli_Chr03	17181213	(A/G)
3754	CakSNP3754	<i>Kabuli</i>	Ca_Kabuli_Chr03	17185682	(A/G)
3755	CakSNP3755	<i>Kabuli</i>	Ca_Kabuli_Chr03	17334924	(G/T)
3756	CakSNP3756	<i>Kabuli</i>	Ca_Kabuli_Chr03	17335851	(A/C)
3757	CakSNP3757	<i>Kabuli</i>	Ca_Kabuli_Chr03	17351553	(A/T)
3758	CakSNP3758	<i>Kabuli</i>	Ca_Kabuli_Chr03	17351526	(A/C)
3759	CakSNP3759	<i>Kabuli</i>	Ca_Kabuli_Chr03	17459986	(T/A)
3760	CakSNP3760	<i>Kabuli</i>	Ca_Kabuli_Chr03	17460002	(G/A)
3761	CakSNP3761	<i>Kabuli</i>	Ca_Kabuli_Chr03	17460012	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3762	CakSNP3762	<i>Kabuli</i>	Ca_Kabuli_Chr03	17574247	(C/T)
3763	CakSNP3763	<i>Kabuli</i>	Ca_Kabuli_Chr03	17635591	(T/A)
3764	CakSNP3764	<i>Kabuli</i>	Ca_Kabuli_Chr03	17635531	(T/C)
3765	CakSNP3765	<i>Kabuli</i>	Ca_Kabuli_Chr03	17679409	(C/T)
3766	CakSNP3766	<i>Kabuli</i>	Ca_Kabuli_Chr03	17679404	(C/T)
3767	CakSNP3767	<i>Kabuli</i>	Ca_Kabuli_Chr03	17914677	(T/G)
3768	CakSNP3768	<i>Kabuli</i>	Ca_Kabuli_Chr03	17936321	(T/C)
3769	CakSNP3769	<i>Kabuli</i>	Ca_Kabuli_Chr03	17936729	(G/A)
3770	CakSNP3770	<i>Kabuli</i>	Ca_Kabuli_Chr03	17936842	(A/G)
3771	CakSNP3771	<i>Kabuli</i>	Ca_Kabuli_Chr03	17984978	(T/G)
3772	CakSNP3772	<i>Kabuli</i>	Ca_Kabuli_Chr03	17986521	(G/C)
3773	CakSNP3773	<i>Kabuli</i>	Ca_Kabuli_Chr03	17986525	(G/T)
3774	CakSNP3774	<i>Kabuli</i>	Ca_Kabuli_Chr03	17986740	(T/C)
3775	CakSNP3775	<i>Kabuli</i>	Ca_Kabuli_Chr03	18215321	(G/C)
3776	CakSNP3776	<i>Kabuli</i>	Ca_Kabuli_Chr03	18215332	(T/C)
3777	CakSNP3777	<i>Kabuli</i>	Ca_Kabuli_Chr03	18355427	(T/C)
3778	CakSNP3778	<i>Kabuli</i>	Ca_Kabuli_Chr03	18355445	(T/C)
3779	CakSNP3779	<i>Kabuli</i>	Ca_Kabuli_Chr03	18375547	(T/C)
3780	CakSNP3780	<i>Kabuli</i>	Ca_Kabuli_Chr03	18375581	(G/C)
3781	CakSNP3781	<i>Kabuli</i>	Ca_Kabuli_Chr03	18382404	(T/C)
3782	CakSNP3782	<i>Kabuli</i>	Ca_Kabuli_Chr03	18382438	(G/C)
3783	CakSNP3783	<i>Kabuli</i>	Ca_Kabuli_Chr03	18383884	(T/C)
3784	CakSNP3784	<i>Kabuli</i>	Ca_Kabuli_Chr03	18476006	(A/G)
3785	CakSNP3785	<i>Kabuli</i>	Ca_Kabuli_Chr03	18476065	(C/A)
3786	CakSNP3786	<i>Kabuli</i>	Ca_Kabuli_Chr03	18497633	(T/C)
3787	CakSNP3787	<i>Kabuli</i>	Ca_Kabuli_Chr03	18573701	(T/A)
3788	CakSNP3788	<i>Kabuli</i>	Ca_Kabuli_Chr03	18645114	(T/C)
3789	CakSNP3789	<i>Kabuli</i>	Ca_Kabuli_Chr03	18687994	(T/A)
3790	CakSNP3790	<i>Kabuli</i>	Ca_Kabuli_Chr03	18709398	(G/A)
3791	CakSNP3791	<i>Kabuli</i>	Ca_Kabuli_Chr03	18731098	(T/C)
3792	CakSNP3792	<i>Kabuli</i>	Ca_Kabuli_Chr03	18825708	(T/C)
3793	CakSNP3793	<i>Kabuli</i>	Ca_Kabuli_Chr03	18825687	(T/C)
3794	CakSNP3794	<i>Kabuli</i>	Ca_Kabuli_Chr03	18939425	(C/G)
3795	CakSNP3795	<i>Kabuli</i>	Ca_Kabuli_Chr03	19372722	(G/T)
3796	CakSNP3796	<i>Kabuli</i>	Ca_Kabuli_Chr03	19372739	(C/T)
3797	CakSNP3797	<i>Kabuli</i>	Ca_Kabuli_Chr03	19400104	(T/C)
3798	CakSNP3798	<i>Kabuli</i>	Ca_Kabuli_Chr03	19400121	(G/T)
3799	CakSNP3799	<i>Kabuli</i>	Ca_Kabuli_Chr03	19400276	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3800	CakSNP3800	<i>Kabuli</i>	Ca_Kabuli_Chr03	19442839	(G/A)
3801	CakSNP3801	<i>Kabuli</i>	Ca_Kabuli_Chr03	19442884	(G/C)
3802	CakSNP3802	<i>Kabuli</i>	Ca_Kabuli_Chr03	19442941	(G/A)
3803	CakSNP3803	<i>Kabuli</i>	Ca_Kabuli_Chr03	19445925	(A/G)
3804	CakSNP3804	<i>Kabuli</i>	Ca_Kabuli_Chr03	19445920	(T/A)
3805	CakSNP3805	<i>Kabuli</i>	Ca_Kabuli_Chr03	19448140	(A/G)
3806	CakSNP3806	<i>Kabuli</i>	Ca_Kabuli_Chr03	19475095	(G/T)
3807	CakSNP3807	<i>Kabuli</i>	Ca_Kabuli_Chr03	19571396	(C/A)
3808	CakSNP3808	<i>Kabuli</i>	Ca_Kabuli_Chr03	19571382	(G/T)
3809	CakSNP3809	<i>Kabuli</i>	Ca_Kabuli_Chr03	19571371	(A/G)
3810	CakSNP3810	<i>Kabuli</i>	Ca_Kabuli_Chr03	19742600	(G/A)
3811	CakSNP3811	<i>Kabuli</i>	Ca_Kabuli_Chr03	19742530	(C/T)
3812	CakSNP3812	<i>Kabuli</i>	Ca_Kabuli_Chr03	19788512	(G/A)
3813	CakSNP3813	<i>Kabuli</i>	Ca_Kabuli_Chr03	19802763	(C/T)
3814	CakSNP3814	<i>Kabuli</i>	Ca_Kabuli_Chr03	19804985	(T/C)
3815	CakSNP3815	<i>Kabuli</i>	Ca_Kabuli_Chr03	19805063	(A/C)
3816	CakSNP3816	<i>Kabuli</i>	Ca_Kabuli_Chr03	19829510	(G/T)
3817	CakSNP3817	<i>Kabuli</i>	Ca_Kabuli_Chr03	19850532	(T/C)
3818	CakSNP3818	<i>Kabuli</i>	Ca_Kabuli_Chr03	19850589	(C/T)
3819	CakSNP3819	<i>Kabuli</i>	Ca_Kabuli_Chr03	19855217	(T/C)
3820	CakSNP3820	<i>Kabuli</i>	Ca_Kabuli_Chr03	19857613	(T/A)
3821	CakSNP3821	<i>Kabuli</i>	Ca_Kabuli_Chr03	19883898	(T/C)
3822	CakSNP3822	<i>Kabuli</i>	Ca_Kabuli_Chr03	19883927	(A/G)
3823	CakSNP3823	<i>Kabuli</i>	Ca_Kabuli_Chr03	19883936	(T/G)
3824	CakSNP3824	<i>Kabuli</i>	Ca_Kabuli_Chr03	19896800	(C/T)
3825	CakSNP3825	<i>Kabuli</i>	Ca_Kabuli_Chr03	19896849	(G/A)
3826	CakSNP3826	<i>Kabuli</i>	Ca_Kabuli_Chr03	19907774	(T/C)
3827	CakSNP3827	<i>Kabuli</i>	Ca_Kabuli_Chr03	19956343	(C/T)
3828	CakSNP3828	<i>Kabuli</i>	Ca_Kabuli_Chr03	19956391	(C/T)
3829	CakSNP3829	<i>Kabuli</i>	Ca_Kabuli_Chr03	19978343	(A/C)
3830	CakSNP3830	<i>Kabuli</i>	Ca_Kabuli_Chr03	19978334	(A/C)
3831	CakSNP3831	<i>Kabuli</i>	Ca_Kabuli_Chr03	19978407	(C/T)
3832	CakSNP3832	<i>Kabuli</i>	Ca_Kabuli_Chr03	19979288	(A/T)
3833	CakSNP3833	<i>Kabuli</i>	Ca_Kabuli_Chr03	19979318	(C/A)
3834	CakSNP3834	<i>Kabuli</i>	Ca_Kabuli_Chr03	19979390	(A/T)
3835	CakSNP3835	<i>Kabuli</i>	Ca_Kabuli_Chr03	20000967	(C/G)
3836	CakSNP3836	<i>Kabuli</i>	Ca_Kabuli_Chr03	20030262	(T/C)
3837	CakSNP3837	<i>Kabuli</i>	Ca_Kabuli_Chr03	20030298	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3838	CakSNP3838	<i>Kabuli</i>	Ca_Kabuli_Chr03	20030484	(A/G)
3839	CakSNP3839	<i>Kabuli</i>	Ca_Kabuli_Chr03	20103039	(G/A)
3840	CakSNP3840	<i>Kabuli</i>	Ca_Kabuli_Chr03	20103060	(C/T)
3841	CakSNP3841	<i>Kabuli</i>	Ca_Kabuli_Chr03	20103126	(A/C)
3842	CakSNP3842	<i>Kabuli</i>	Ca_Kabuli_Chr03	20172492	(C/T)
3843	CakSNP3843	<i>Kabuli</i>	Ca_Kabuli_Chr03	20240118	(T/G)
3844	CakSNP3844	<i>Kabuli</i>	Ca_Kabuli_Chr03	20242663	(C/T)
3845	CakSNP3845	<i>Kabuli</i>	Ca_Kabuli_Chr03	20331659	(G/A)
3846	CakSNP3846	<i>Kabuli</i>	Ca_Kabuli_Chr03	20365442	(A/C)
3847	CakSNP3847	<i>Kabuli</i>	Ca_Kabuli_Chr03	20387399	(T/A)
3848	CakSNP3848	<i>Kabuli</i>	Ca_Kabuli_Chr03	20387471	(A/G)
3849	CakSNP3849	<i>Kabuli</i>	Ca_Kabuli_Chr03	20415660	(C/G)
3850	CakSNP3850	<i>Kabuli</i>	Ca_Kabuli_Chr03	20415615	(A/G)
3851	CakSNP3851	<i>Kabuli</i>	Ca_Kabuli_Chr03	20462715	(T/A)
3852	CakSNP3852	<i>Kabuli</i>	Ca_Kabuli_Chr03	20490488	(T/C)
3853	CakSNP3853	<i>Kabuli</i>	Ca_Kabuli_Chr03	20495810	(G/A)
3854	CakSNP3854	<i>Kabuli</i>	Ca_Kabuli_Chr03	20503939	(G/T)
3855	CakSNP3855	<i>Kabuli</i>	Ca_Kabuli_Chr03	20506663	(C/G)
3856	CakSNP3856	<i>Kabuli</i>	Ca_Kabuli_Chr03	20552836	(T/G)
3857	CakSNP3857	<i>Kabuli</i>	Ca_Kabuli_Chr03	20555942	(G/A)
3858	CakSNP3858	<i>Kabuli</i>	Ca_Kabuli_Chr03	20690207	(T/G)
3859	CakSNP3859	<i>Kabuli</i>	Ca_Kabuli_Chr03	20690185	(A/T)
3860	CakSNP3860	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794236	(A/T)
3861	CakSNP3861	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794206	(A/T)
3862	CakSNP3862	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794984	(C/T)
3863	CakSNP3863	<i>Kabuli</i>	Ca_Kabuli_Chr03	20795019	(C/T)
3864	CakSNP3864	<i>Kabuli</i>	Ca_Kabuli_Chr03	20795014	(C/T)
3865	CakSNP3865	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794976	(A/C)
3866	CakSNP3866	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794993	(A/G)
3867	CakSNP3867	<i>Kabuli</i>	Ca_Kabuli_Chr03	20794990	(G/A)
3868	CakSNP3868	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799767	(A/G)
3869	CakSNP3869	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799778	(C/T)
3870	CakSNP3870	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799811	(C/T)
3871	CakSNP3871	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799860	(A/G)
3872	CakSNP3872	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799841	(C/T)
3873	CakSNP3873	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799819	(C/T)
3874	CakSNP3874	<i>Kabuli</i>	Ca_Kabuli_Chr03	20799820	(A/G)
3875	CakSNP3875	<i>Kabuli</i>	Ca_Kabuli_Chr03	20822676	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3876	CakSNP3876	<i>Kabuli</i>	Ca_Kabuli_Chr03	20823146	(C/T)
3877	CakSNP3877	<i>Kabuli</i>	Ca_Kabuli_Chr03	20828272	(G/T)
3878	CakSNP3878	<i>Kabuli</i>	Ca_Kabuli_Chr03	20829399	(A/G)
3879	CakSNP3879	<i>Kabuli</i>	Ca_Kabuli_Chr03	20829407	(T/G)
3880	CakSNP3880	<i>Kabuli</i>	Ca_Kabuli_Chr03	20841298	(T/G)
3881	CakSNP3881	<i>Kabuli</i>	Ca_Kabuli_Chr03	20841352	(C/T)
3882	CakSNP3882	<i>Kabuli</i>	Ca_Kabuli_Chr03	20880294	(T/A)
3883	CakSNP3883	<i>Kabuli</i>	Ca_Kabuli_Chr03	21020182	(A/G)
3884	CakSNP3884	<i>Kabuli</i>	Ca_Kabuli_Chr03	21020191	(C/T)
3885	CakSNP3885	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069672	(A/G)
3886	CakSNP3886	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069714	(G/A)
3887	CakSNP3887	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069916	(C/T)
3888	CakSNP3888	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069917	(G/A)
3889	CakSNP3889	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069938	(C/A)
3890	CakSNP3890	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069959	(G/A)
3891	CakSNP3891	<i>Kabuli</i>	Ca_Kabuli_Chr03	21069986	(A/C)
3892	CakSNP3892	<i>Kabuli</i>	Ca_Kabuli_Chr03	21127162	(C/G)
3893	CakSNP3893	<i>Kabuli</i>	Ca_Kabuli_Chr03	21127156	(T/G)
3894	CakSNP3894	<i>Kabuli</i>	Ca_Kabuli_Chr03	21198607	(A/T)
3895	CakSNP3895	<i>Kabuli</i>	Ca_Kabuli_Chr03	21210002	(T/A)
3896	CakSNP3896	<i>Kabuli</i>	Ca_Kabuli_Chr03	21210005	(C/A)
3897	CakSNP3897	<i>Kabuli</i>	Ca_Kabuli_Chr03	21210008	(T/C)
3898	CakSNP3898	<i>Kabuli</i>	Ca_Kabuli_Chr03	21210049	(A/G)
3899	CakSNP3899	<i>Kabuli</i>	Ca_Kabuli_Chr03	21273368	(A/G)
3900	CakSNP3900	<i>Kabuli</i>	Ca_Kabuli_Chr03	21288626	(C/A)
3901	CakSNP3901	<i>Kabuli</i>	Ca_Kabuli_Chr03	21288652	(G/C)
3902	CakSNP3902	<i>Kabuli</i>	Ca_Kabuli_Chr03	21288695	(G/A)
3903	CakSNP3903	<i>Kabuli</i>	Ca_Kabuli_Chr03	21335892	(C/T)
3904	CakSNP3904	<i>Kabuli</i>	Ca_Kabuli_Chr03	21382790	(G/A)
3905	CakSNP3905	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421082	(A/G)
3906	CakSNP3906	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421085	(G/A)
3907	CakSNP3907	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421146	(C/A)
3908	CakSNP3908	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421162	(G/A)
3909	CakSNP3909	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421358	(G/A)
3910	CakSNP3910	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421362	(T/A)
3911	CakSNP3911	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421369	(G/A)
3912	CakSNP3912	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421424	(G/A)
3913	CakSNP3913	<i>Kabuli</i>	Ca_Kabuli_Chr03	21421440	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3914	CakSNP3914	<i>Kabuli</i>	Ca_Kabuli_Chr03	21450650	(A/G)
3915	CakSNP3915	<i>Kabuli</i>	Ca_Kabuli_Chr03	21452017	(G/A)
3916	CakSNP3916	<i>Kabuli</i>	Ca_Kabuli_Chr03	21468634	(G/A)
3917	CakSNP3917	<i>Kabuli</i>	Ca_Kabuli_Chr03	21468692	(A/C)
3918	CakSNP3918	<i>Kabuli</i>	Ca_Kabuli_Chr03	21470784	(C/T)
3919	CakSNP3919	<i>Kabuli</i>	Ca_Kabuli_Chr03	21500178	(G/A)
3920	CakSNP3920	<i>Kabuli</i>	Ca_Kabuli_Chr03	21500179	(A/T)
3921	CakSNP3921	<i>Kabuli</i>	Ca_Kabuli_Chr03	21507422	(T/C)
3922	CakSNP3922	<i>Kabuli</i>	Ca_Kabuli_Chr03	21524084	(T/C)
3923	CakSNP3923	<i>Kabuli</i>	Ca_Kabuli_Chr03	21524192	(T/C)
3924	CakSNP3924	<i>Kabuli</i>	Ca_Kabuli_Chr03	21524296	(G/T)
3925	CakSNP3925	<i>Kabuli</i>	Ca_Kabuli_Chr03	21524379	(A/G)
3926	CakSNP3926	<i>Kabuli</i>	Ca_Kabuli_Chr03	21525184	(C/T)
3927	CakSNP3927	<i>Kabuli</i>	Ca_Kabuli_Chr03	21525177	(G/A)
3928	CakSNP3928	<i>Kabuli</i>	Ca_Kabuli_Chr03	21558388	(A/G)
3929	CakSNP3929	<i>Kabuli</i>	Ca_Kabuli_Chr03	21558357	(T/G)
3930	CakSNP3930	<i>Kabuli</i>	Ca_Kabuli_Chr03	21627610	(T/C)
3931	CakSNP3931	<i>Kabuli</i>	Ca_Kabuli_Chr03	21634275	(A/C)
3932	CakSNP3932	<i>Kabuli</i>	Ca_Kabuli_Chr03	21634271	(A/G)
3933	CakSNP3933	<i>Kabuli</i>	Ca_Kabuli_Chr03	21646863	(C/T)
3934	CakSNP3934	<i>Kabuli</i>	Ca_Kabuli_Chr03	21646872	(T/C)
3935	CakSNP3935	<i>Kabuli</i>	Ca_Kabuli_Chr03	21646893	(C/A)
3936	CakSNP3936	<i>Kabuli</i>	Ca_Kabuli_Chr03	21646965	(C/T)
3937	CakSNP3937	<i>Kabuli</i>	Ca_Kabuli_Chr03	21646962	(A/G)
3938	CakSNP3938	<i>Kabuli</i>	Ca_Kabuli_Chr03	21654592	(T/A)
3939	CakSNP3939	<i>Kabuli</i>	Ca_Kabuli_Chr03	21686470	(C/T)
3940	CakSNP3940	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687439	(G/T)
3941	CakSNP3941	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687966	(C/A)
3942	CakSNP3942	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687961	(C/A)
3943	CakSNP3943	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687960	(G/A)
3944	CakSNP3944	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687959	(T/C)
3945	CakSNP3945	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687956	(C/T)
3946	CakSNP3946	<i>Kabuli</i>	Ca_Kabuli_Chr03	21687953	(C/T)
3947	CakSNP3947	<i>Kabuli</i>	Ca_Kabuli_Chr03	21741914	(C/A)
3948	CakSNP3948	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809395	(G/A)
3949	CakSNP3949	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809456	(T/C)
3950	CakSNP3950	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809457	(G/A)
3951	CakSNP3951	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809546	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3952	CakSNP3952	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809505	(A/G)
3953	CakSNP3953	<i>Kabuli</i>	Ca_Kabuli_Chr03	21809503	(T/C)
3954	CakSNP3954	<i>Kabuli</i>	Ca_Kabuli_Chr03	21950053	(C/G)
3955	CakSNP3955	<i>Kabuli</i>	Ca_Kabuli_Chr03	21950186	(A/G)
3956	CakSNP3956	<i>Kabuli</i>	Ca_Kabuli_Chr03	21950164	(A/G)
3957	CakSNP3957	<i>Kabuli</i>	Ca_Kabuli_Chr03	22008087	(G/A)
3958	CakSNP3958	<i>Kabuli</i>	Ca_Kabuli_Chr03	22026111	(A/G)
3959	CakSNP3959	<i>Kabuli</i>	Ca_Kabuli_Chr03	22026647	(A/G)
3960	CakSNP3960	<i>Kabuli</i>	Ca_Kabuli_Chr03	22060199	(G/T)
3961	CakSNP3961	<i>Kabuli</i>	Ca_Kabuli_Chr03	22061236	(A/G)
3962	CakSNP3962	<i>Kabuli</i>	Ca_Kabuli_Chr03	22062029	(G/T)
3963	CakSNP3963	<i>Kabuli</i>	Ca_Kabuli_Chr03	22062958	(T/C)
3964	CakSNP3964	<i>Kabuli</i>	Ca_Kabuli_Chr03	22062965	(C/T)
3965	CakSNP3965	<i>Kabuli</i>	Ca_Kabuli_Chr03	22063826	(G/A)
3966	CakSNP3966	<i>Kabuli</i>	Ca_Kabuli_Chr03	22063829	(G/A)
3967	CakSNP3967	<i>Kabuli</i>	Ca_Kabuli_Chr03	22063835	(C/T)
3968	CakSNP3968	<i>Kabuli</i>	Ca_Kabuli_Chr03	22073381	(C/T)
3969	CakSNP3969	<i>Kabuli</i>	Ca_Kabuli_Chr03	22073447	(T/A)
3970	CakSNP3970	<i>Kabuli</i>	Ca_Kabuli_Chr03	22075779	(C/G)
3971	CakSNP3971	<i>Kabuli</i>	Ca_Kabuli_Chr03	22075990	(T/C)
3972	CakSNP3972	<i>Kabuli</i>	Ca_Kabuli_Chr03	22169816	(T/C)
3973	CakSNP3973	<i>Kabuli</i>	Ca_Kabuli_Chr03	22188124	(T/C)
3974	CakSNP3974	<i>Kabuli</i>	Ca_Kabuli_Chr03	22188169	(T/A)
3975	CakSNP3975	<i>Kabuli</i>	Ca_Kabuli_Chr03	22200927	(T/C)
3976	CakSNP3976	<i>Kabuli</i>	Ca_Kabuli_Chr03	22201045	(T/A)
3977	CakSNP3977	<i>Kabuli</i>	Ca_Kabuli_Chr03	22202317	(C/T)
3978	CakSNP3978	<i>Kabuli</i>	Ca_Kabuli_Chr03	22202819	(T/C)
3979	CakSNP3979	<i>Kabuli</i>	Ca_Kabuli_Chr03	22203460	(A/G)
3980	CakSNP3980	<i>Kabuli</i>	Ca_Kabuli_Chr03	22225186	(C/A)
3981	CakSNP3981	<i>Kabuli</i>	Ca_Kabuli_Chr03	22225154	(C/G)
3982	CakSNP3982	<i>Kabuli</i>	Ca_Kabuli_Chr03	22225129	(C/G)
3983	CakSNP3983	<i>Kabuli</i>	Ca_Kabuli_Chr03	22233428	(G/A)
3984	CakSNP3984	<i>Kabuli</i>	Ca_Kabuli_Chr03	22233409	(T/C)
3985	CakSNP3985	<i>Kabuli</i>	Ca_Kabuli_Chr03	22235801	(G/A)
3986	CakSNP3986	<i>Kabuli</i>	Ca_Kabuli_Chr03	22253842	(T/C)
3987	CakSNP3987	<i>Kabuli</i>	Ca_Kabuli_Chr03	22331057	(C/T)
3988	CakSNP3988	<i>Kabuli</i>	Ca_Kabuli_Chr03	22346294	(T/C)
3989	CakSNP3989	<i>Kabuli</i>	Ca_Kabuli_Chr03	22404660	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3990	CakSNP3990	<i>Kabuli</i>	Ca_Kabuli_Chr03	22527529	(A/C)
3991	CakSNP3991	<i>Kabuli</i>	Ca_Kabuli_Chr03	22539384	(G/A)
3992	CakSNP3992	<i>Kabuli</i>	Ca_Kabuli_Chr03	22539702	(C/T)
3993	CakSNP3993	<i>Kabuli</i>	Ca_Kabuli_Chr03	22539885	(C/T)
3994	CakSNP3994	<i>Kabuli</i>	Ca_Kabuli_Chr03	22539952	(G/A)
3995	CakSNP3995	<i>Kabuli</i>	Ca_Kabuli_Chr03	22636201	(T/C)
3996	CakSNP3996	<i>Kabuli</i>	Ca_Kabuli_Chr03	22646897	(T/C)
3997	CakSNP3997	<i>Kabuli</i>	Ca_Kabuli_Chr03	22659924	(G/A)
3998	CakSNP3998	<i>Kabuli</i>	Ca_Kabuli_Chr03	22681658	(G/A)
3999	CakSNP3999	<i>Kabuli</i>	Ca_Kabuli_Chr03	22719470	(T/C)
4000	CakSNP4000	<i>Kabuli</i>	Ca_Kabuli_Chr03	22719487	(T/C)
4001	CakSNP4001	<i>Kabuli</i>	Ca_Kabuli_Chr03	22719494	(C/T)
4002	CakSNP4002	<i>Kabuli</i>	Ca_Kabuli_Chr03	22719519	(G/A)
4003	CakSNP4003	<i>Kabuli</i>	Ca_Kabuli_Chr03	22727393	(G/A)
4004	CakSNP4004	<i>Kabuli</i>	Ca_Kabuli_Chr03	22727439	(A/C)
4005	CakSNP4005	<i>Kabuli</i>	Ca_Kabuli_Chr03	22765806	(G/A)
4006	CakSNP4006	<i>Kabuli</i>	Ca_Kabuli_Chr03	22765862	(T/C)
4007	CakSNP4007	<i>Kabuli</i>	Ca_Kabuli_Chr03	22765987	(G/T)
4008	CakSNP4008	<i>Kabuli</i>	Ca_Kabuli_Chr03	22798281	(T/G)
4009	CakSNP4009	<i>Kabuli</i>	Ca_Kabuli_Chr03	22812717	(A/T)
4010	CakSNP4010	<i>Kabuli</i>	Ca_Kabuli_Chr03	22846051	(G/A)
4011	CakSNP4011	<i>Kabuli</i>	Ca_Kabuli_Chr03	22847885	(G/T)
4012	CakSNP4012	<i>Kabuli</i>	Ca_Kabuli_Chr03	22847984	(A/G)
4013	CakSNP4013	<i>Kabuli</i>	Ca_Kabuli_Chr03	22990523	(C/T)
4014	CakSNP4014	<i>Kabuli</i>	Ca_Kabuli_Chr03	23028855	(A/G)
4015	CakSNP4015	<i>Kabuli</i>	Ca_Kabuli_Chr03	23033373	(A/C)
4016	CakSNP4016	<i>Kabuli</i>	Ca_Kabuli_Chr03	23042249	(A/C)
4017	CakSNP4017	<i>Kabuli</i>	Ca_Kabuli_Chr03	23053008	(C/G)
4018	CakSNP4018	<i>Kabuli</i>	Ca_Kabuli_Chr03	23053005	(G/C)
4019	CakSNP4019	<i>Kabuli</i>	Ca_Kabuli_Chr03	23053066	(A/C)
4020	CakSNP4020	<i>Kabuli</i>	Ca_Kabuli_Chr03	23095498	(C/T)
4021	CakSNP4021	<i>Kabuli</i>	Ca_Kabuli_Chr03	23273057	(T/A)
4022	CakSNP4022	<i>Kabuli</i>	Ca_Kabuli_Chr03	23273069	(C/G)
4023	CakSNP4023	<i>Kabuli</i>	Ca_Kabuli_Chr03	23327648	(C/T)
4024	CakSNP4024	<i>Kabuli</i>	Ca_Kabuli_Chr03	23327700	(G/C)
4025	CakSNP4025	<i>Kabuli</i>	Ca_Kabuli_Chr03	23331530	(T/G)
4026	CakSNP4026	<i>Kabuli</i>	Ca_Kabuli_Chr03	23335788	(A/T)
4027	CakSNP4027	<i>Kabuli</i>	Ca_Kabuli_Chr03	23335789	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4028	CakSNP4028	<i>Kabuli</i>	Ca_Kabuli_Chr03	23340171	(A/G)
4029	CakSNP4029	<i>Kabuli</i>	Ca_Kabuli_Chr03	23340134	(G/A)
4030	CakSNP4030	<i>Kabuli</i>	Ca_Kabuli_Chr03	23340133	(T/C)
4031	CakSNP4031	<i>Kabuli</i>	Ca_Kabuli_Chr03	23341384	(T/G)
4032	CakSNP4032	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342297	(T/C)
4033	CakSNP4033	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342305	(T/C)
4034	CakSNP4034	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342338	(G/T)
4035	CakSNP4035	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342347	(G/A)
4036	CakSNP4036	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342350	(A/G)
4037	CakSNP4037	<i>Kabuli</i>	Ca_Kabuli_Chr03	23342351	(T/C)
4038	CakSNP4038	<i>Kabuli</i>	Ca_Kabuli_Chr03	23360857	(C/T)
4039	CakSNP4039	<i>Kabuli</i>	Ca_Kabuli_Chr03	23400864	(A/C)
4040	CakSNP4040	<i>Kabuli</i>	Ca_Kabuli_Chr03	23455008	(A/G)
4041	CakSNP4041	<i>Kabuli</i>	Ca_Kabuli_Chr03	23455128	(A/G)
4042	CakSNP4042	<i>Kabuli</i>	Ca_Kabuli_Chr03	23461370	(C/A)
4043	CakSNP4043	<i>Kabuli</i>	Ca_Kabuli_Chr03	23555586	(C/A)
4044	CakSNP4044	<i>Kabuli</i>	Ca_Kabuli_Chr03	23593288	(G/A)
4045	CakSNP4045	<i>Kabuli</i>	Ca_Kabuli_Chr03	23593294	(T/C)
4046	CakSNP4046	<i>Kabuli</i>	Ca_Kabuli_Chr03	23593309	(T/C)
4047	CakSNP4047	<i>Kabuli</i>	Ca_Kabuli_Chr03	23593269	(T/C)
4048	CakSNP4048	<i>Kabuli</i>	Ca_Kabuli_Chr03	23714158	(T/A)
4049	CakSNP4049	<i>Kabuli</i>	Ca_Kabuli_Chr03	23714129	(C/A)
4050	CakSNP4050	<i>Kabuli</i>	Ca_Kabuli_Chr03	23745324	(C/T)
4051	CakSNP4051	<i>Kabuli</i>	Ca_Kabuli_Chr03	23792975	(A/T)
4052	CakSNP4052	<i>Kabuli</i>	Ca_Kabuli_Chr03	23833683	(G/A)
4053	CakSNP4053	<i>Kabuli</i>	Ca_Kabuli_Chr03	23833680	(G/C)
4054	CakSNP4054	<i>Kabuli</i>	Ca_Kabuli_Chr03	23833668	(G/A)
4055	CakSNP4055	<i>Kabuli</i>	Ca_Kabuli_Chr03	23886582	(A/G)
4056	CakSNP4056	<i>Kabuli</i>	Ca_Kabuli_Chr03	23918105	(T/C)
4057	CakSNP4057	<i>Kabuli</i>	Ca_Kabuli_Chr03	23966110	(G/A)
4058	CakSNP4058	<i>Kabuli</i>	Ca_Kabuli_Chr03	23997287	(A/T)
4059	CakSNP4059	<i>Kabuli</i>	Ca_Kabuli_Chr03	24000847	(G/T)
4060	CakSNP4060	<i>Kabuli</i>	Ca_Kabuli_Chr03	24000818	(T/C)
4061	CakSNP4061	<i>Kabuli</i>	Ca_Kabuli_Chr03	24024560	(T/C)
4062	CakSNP4062	<i>Kabuli</i>	Ca_Kabuli_Chr03	24024513	(A/C)
4063	CakSNP4063	<i>Kabuli</i>	Ca_Kabuli_Chr03	24025900	(G/C)
4064	CakSNP4064	<i>Kabuli</i>	Ca_Kabuli_Chr03	24025924	(T/G)
4065	CakSNP4065	<i>Kabuli</i>	Ca_Kabuli_Chr03	24026428	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4066	CakSNP4066	<i>Kabuli</i>	Ca_Kabuli_Chr03	24041806	(C/T)
4067	CakSNP4067	<i>Kabuli</i>	Ca_Kabuli_Chr03	24095268	(T/C)
4068	CakSNP4068	<i>Kabuli</i>	Ca_Kabuli_Chr03	24099191	(C/G)
4069	CakSNP4069	<i>Kabuli</i>	Ca_Kabuli_Chr03	24127222	(C/T)
4070	CakSNP4070	<i>Kabuli</i>	Ca_Kabuli_Chr03	24127201	(A/C)
4071	CakSNP4071	<i>Kabuli</i>	Ca_Kabuli_Chr03	24162153	(C/T)
4072	CakSNP4072	<i>Kabuli</i>	Ca_Kabuli_Chr03	24194574	(C/T)
4073	CakSNP4073	<i>Kabuli</i>	Ca_Kabuli_Chr03	24247161	(G/C)
4074	CakSNP4074	<i>Kabuli</i>	Ca_Kabuli_Chr03	24297842	(T/G)
4075	CakSNP4075	<i>Kabuli</i>	Ca_Kabuli_Chr03	24297894	(C/A)
4076	CakSNP4076	<i>Kabuli</i>	Ca_Kabuli_Chr03	24417477	(T/G)
4077	CakSNP4077	<i>Kabuli</i>	Ca_Kabuli_Chr03	24417507	(A/T)
4078	CakSNP4078	<i>Kabuli</i>	Ca_Kabuli_Chr03	24418063	(G/T)
4079	CakSNP4079	<i>Kabuli</i>	Ca_Kabuli_Chr03	24418111	(A/G)
4080	CakSNP4080	<i>Kabuli</i>	Ca_Kabuli_Chr03	24418130	(T/A)
4081	CakSNP4081	<i>Kabuli</i>	Ca_Kabuli_Chr03	24459669	(G/A)
4082	CakSNP4082	<i>Kabuli</i>	Ca_Kabuli_Chr03	24515489	(T/G)
4083	CakSNP4083	<i>Kabuli</i>	Ca_Kabuli_Chr03	24538726	(A/C)
4084	CakSNP4084	<i>Kabuli</i>	Ca_Kabuli_Chr03	24540199	(A/G)
4085	CakSNP4085	<i>Kabuli</i>	Ca_Kabuli_Chr03	24540304	(T/C)
4086	CakSNP4086	<i>Kabuli</i>	Ca_Kabuli_Chr03	24637834	(G/T)
4087	CakSNP4087	<i>Kabuli</i>	Ca_Kabuli_Chr03	24637837	(A/C)
4088	CakSNP4088	<i>Kabuli</i>	Ca_Kabuli_Chr03	24664582	(G/T)
4089	CakSNP4089	<i>Kabuli</i>	Ca_Kabuli_Chr03	24664550	(T/G)
4090	CakSNP4090	<i>Kabuli</i>	Ca_Kabuli_Chr03	24664651	(G/T)
4091	CakSNP4091	<i>Kabuli</i>	Ca_Kabuli_Chr03	24666594	(T/C)
4092	CakSNP4092	<i>Kabuli</i>	Ca_Kabuli_Chr03	24763730	(A/G)
4093	CakSNP4093	<i>Kabuli</i>	Ca_Kabuli_Chr03	24933940	(T/C)
4094	CakSNP4094	<i>Kabuli</i>	Ca_Kabuli_Chr03	24933901	(C/A)
4095	CakSNP4095	<i>Kabuli</i>	Ca_Kabuli_Chr03	24933899	(G/T)
4096	CakSNP4096	<i>Kabuli</i>	Ca_Kabuli_Chr03	24998316	(C/G)
4097	CakSNP4097	<i>Kabuli</i>	Ca_Kabuli_Chr03	24998300	(C/T)
4098	CakSNP4098	<i>Kabuli</i>	Ca_Kabuli_Chr03	25037746	(G/A)
4099	CakSNP4099	<i>Kabuli</i>	Ca_Kabuli_Chr03	25046423	(C/G)
4100	CakSNP4100	<i>Kabuli</i>	Ca_Kabuli_Chr03	25046421	(T/C)
4101	CakSNP4101	<i>Kabuli</i>	Ca_Kabuli_Chr03	25055049	(C/T)
4102	CakSNP4102	<i>Kabuli</i>	Ca_Kabuli_Chr03	25062250	(C/A)
4103	CakSNP4103	<i>Kabuli</i>	Ca_Kabuli_Chr03	25110037	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4104	CakSNP4104	<i>Kabuli</i>	Ca_Kabuli_Chr03	25137192	(T/A)
4105	CakSNP4105	<i>Kabuli</i>	Ca_Kabuli_Chr03	25147096	(G/A)
4106	CakSNP4106	<i>Kabuli</i>	Ca_Kabuli_Chr03	25205548	(C/A)
4107	CakSNP4107	<i>Kabuli</i>	Ca_Kabuli_Chr03	25241115	(G/A)
4108	CakSNP4108	<i>Kabuli</i>	Ca_Kabuli_Chr03	25244194	(A/C)
4109	CakSNP4109	<i>Kabuli</i>	Ca_Kabuli_Chr03	25270592	(C/G)
4110	CakSNP4110	<i>Kabuli</i>	Ca_Kabuli_Chr03	25399911	(C/G)
4111	CakSNP4111	<i>Kabuli</i>	Ca_Kabuli_Chr03	25457474	(T/A)
4112	CakSNP4112	<i>Kabuli</i>	Ca_Kabuli_Chr03	25457494	(A/T)
4113	CakSNP4113	<i>Kabuli</i>	Ca_Kabuli_Chr03	25457514	(C/A)
4114	CakSNP4114	<i>Kabuli</i>	Ca_Kabuli_Chr03	25462227	(A/C)
4115	CakSNP4115	<i>Kabuli</i>	Ca_Kabuli_Chr03	25504708	(A/G)
4116	CakSNP4116	<i>Kabuli</i>	Ca_Kabuli_Chr03	25505438	(C/T)
4117	CakSNP4117	<i>Kabuli</i>	Ca_Kabuli_Chr03	25505420	(G/T)
4118	CakSNP4118	<i>Kabuli</i>	Ca_Kabuli_Chr03	25534044	(C/T)
4119	CakSNP4119	<i>Kabuli</i>	Ca_Kabuli_Chr03	25538867	(T/C)
4120	CakSNP4120	<i>Kabuli</i>	Ca_Kabuli_Chr03	25580072	(A/T)
4121	CakSNP4121	<i>Kabuli</i>	Ca_Kabuli_Chr03	25614515	(T/G)
4122	CakSNP4122	<i>Kabuli</i>	Ca_Kabuli_Chr03	25641434	(C/A)
4123	CakSNP4123	<i>Kabuli</i>	Ca_Kabuli_Chr03	25641433	(G/A)
4124	CakSNP4124	<i>Kabuli</i>	Ca_Kabuli_Chr03	25688341	(G/A)
4125	CakSNP4125	<i>Kabuli</i>	Ca_Kabuli_Chr03	25702238	(G/A)
4126	CakSNP4126	<i>Kabuli</i>	Ca_Kabuli_Chr03	25718829	(C/A)
4127	CakSNP4127	<i>Kabuli</i>	Ca_Kabuli_Chr03	25718827	(T/A)
4128	CakSNP4128	<i>Kabuli</i>	Ca_Kabuli_Chr03	25757693	(C/T)
4129	CakSNP4129	<i>Kabuli</i>	Ca_Kabuli_Chr03	25987920	(T/G)
4130	CakSNP4130	<i>Kabuli</i>	Ca_Kabuli_Chr03	26119425	(T/G)
4131	CakSNP4131	<i>Kabuli</i>	Ca_Kabuli_Chr03	26119461	(C/T)
4132	CakSNP4132	<i>Kabuli</i>	Ca_Kabuli_Chr03	26163449	(G/A)
4133	CakSNP4133	<i>Kabuli</i>	Ca_Kabuli_Chr03	26178592	(G/A)
4134	CakSNP4134	<i>Kabuli</i>	Ca_Kabuli_Chr03	26198368	(G/A)
4135	CakSNP4135	<i>Kabuli</i>	Ca_Kabuli_Chr03	26198372	(G/A)
4136	CakSNP4136	<i>Kabuli</i>	Ca_Kabuli_Chr03	26293846	(A/G)
4137	CakSNP4137	<i>Kabuli</i>	Ca_Kabuli_Chr03	26335889	(T/A)
4138	CakSNP4138	<i>Kabuli</i>	Ca_Kabuli_Chr03	26339286	(T/C)
4139	CakSNP4139	<i>Kabuli</i>	Ca_Kabuli_Chr03	26339449	(G/T)
4140	CakSNP4140	<i>Kabuli</i>	Ca_Kabuli_Chr03	26562004	(A/G)
4141	CakSNP4141	<i>Kabuli</i>	Ca_Kabuli_Chr03	26573902	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4142	CakSNP4142	<i>Kabuli</i>	Ca_Kabuli_Chr03	26574056	(C/T)
4143	CakSNP4143	<i>Kabuli</i>	Ca_Kabuli_Chr03	26574068	(T/G)
4144	CakSNP4144	<i>Kabuli</i>	Ca_Kabuli_Chr03	26574831	(A/G)
4145	CakSNP4145	<i>Kabuli</i>	Ca_Kabuli_Chr03	26589678	(T/A)
4146	CakSNP4146	<i>Kabuli</i>	Ca_Kabuli_Chr03	26627150	(T/G)
4147	CakSNP4147	<i>Kabuli</i>	Ca_Kabuli_Chr03	26636553	(A/G)
4148	CakSNP4148	<i>Kabuli</i>	Ca_Kabuli_Chr03	26646152	(C/T)
4149	CakSNP4149	<i>Kabuli</i>	Ca_Kabuli_Chr03	26678343	(T/C)
4150	CakSNP4150	<i>Kabuli</i>	Ca_Kabuli_Chr03	26678433	(T/G)
4151	CakSNP4151	<i>Kabuli</i>	Ca_Kabuli_Chr03	26726897	(C/A)
4152	CakSNP4152	<i>Kabuli</i>	Ca_Kabuli_Chr03	26758452	(C/A)
4153	CakSNP4153	<i>Kabuli</i>	Ca_Kabuli_Chr03	26848870	(G/C)
4154	CakSNP4154	<i>Kabuli</i>	Ca_Kabuli_Chr03	26849288	(T/A)
4155	CakSNP4155	<i>Kabuli</i>	Ca_Kabuli_Chr03	26878028	(A/T)
4156	CakSNP4156	<i>Kabuli</i>	Ca_Kabuli_Chr03	26900271	(T/A)
4157	CakSNP4157	<i>Kabuli</i>	Ca_Kabuli_Chr03	26911443	(A/T)
4158	CakSNP4158	<i>Kabuli</i>	Ca_Kabuli_Chr03	26911514	(A/G)
4159	CakSNP4159	<i>Kabuli</i>	Ca_Kabuli_Chr03	26911723	(T/A)
4160	CakSNP4160	<i>Kabuli</i>	Ca_Kabuli_Chr03	26911792	(A/G)
4161	CakSNP4161	<i>Kabuli</i>	Ca_Kabuli_Chr03	26976249	(A/G)
4162	CakSNP4162	<i>Kabuli</i>	Ca_Kabuli_Chr03	26976323	(G/A)
4163	CakSNP4163	<i>Kabuli</i>	Ca_Kabuli_Chr03	27024215	(T/C)
4164	CakSNP4164	<i>Kabuli</i>	Ca_Kabuli_Chr03	27047840	(A/G)
4165	CakSNP4165	<i>Kabuli</i>	Ca_Kabuli_Chr03	27047847	(A/C)
4166	CakSNP4166	<i>Kabuli</i>	Ca_Kabuli_Chr03	27063150	(A/C)
4167	CakSNP4167	<i>Kabuli</i>	Ca_Kabuli_Chr03	27074842	(C/A)
4168	CakSNP4168	<i>Kabuli</i>	Ca_Kabuli_Chr03	27074896	(A/T)
4169	CakSNP4169	<i>Kabuli</i>	Ca_Kabuli_Chr03	27074931	(A/T)
4170	CakSNP4170	<i>Kabuli</i>	Ca_Kabuli_Chr03	27074930	(A/C)
4171	CakSNP4171	<i>Kabuli</i>	Ca_Kabuli_Chr03	27076716	(T/C)
4172	CakSNP4172	<i>Kabuli</i>	Ca_Kabuli_Chr03	27076735	(T/G)
4173	CakSNP4173	<i>Kabuli</i>	Ca_Kabuli_Chr03	27076744	(C/A)
4174	CakSNP4174	<i>Kabuli</i>	Ca_Kabuli_Chr03	27105637	(C/T)
4175	CakSNP4175	<i>Kabuli</i>	Ca_Kabuli_Chr03	27157840	(T/A)
4176	CakSNP4176	<i>Kabuli</i>	Ca_Kabuli_Chr03	27157848	(C/T)
4177	CakSNP4177	<i>Kabuli</i>	Ca_Kabuli_Chr03	27161813	(T/G)
4178	CakSNP4178	<i>Kabuli</i>	Ca_Kabuli_Chr03	27161801	(A/G)
4179	CakSNP4179	<i>Kabuli</i>	Ca_Kabuli_Chr03	27194033	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4180	CakSNP4180	<i>Kabuli</i>	Ca_Kabuli_Chr03	27194069	(T/C)
4181	CakSNP4181	<i>Kabuli</i>	Ca_Kabuli_Chr03	27338521	(T/C)
4182	CakSNP4182	<i>Kabuli</i>	Ca_Kabuli_Chr03	27342919	(G/A)
4183	CakSNP4183	<i>Kabuli</i>	Ca_Kabuli_Chr03	27391199	(G/A)
4184	CakSNP4184	<i>Kabuli</i>	Ca_Kabuli_Chr03	27391354	(G/A)
4185	CakSNP4185	<i>Kabuli</i>	Ca_Kabuli_Chr03	27391321	(A/G)
4186	CakSNP4186	<i>Kabuli</i>	Ca_Kabuli_Chr03	27417561	(A/T)
4187	CakSNP4187	<i>Kabuli</i>	Ca_Kabuli_Chr03	27420276	(T/C)
4188	CakSNP4188	<i>Kabuli</i>	Ca_Kabuli_Chr03	27420330	(C/T)
4189	CakSNP4189	<i>Kabuli</i>	Ca_Kabuli_Chr03	27435210	(T/C)
4190	CakSNP4190	<i>Kabuli</i>	Ca_Kabuli_Chr03	27435209	(G/C)
4191	CakSNP4191	<i>Kabuli</i>	Ca_Kabuli_Chr03	27435198	(T/A)
4192	CakSNP4192	<i>Kabuli</i>	Ca_Kabuli_Chr03	27447685	(C/A)
4193	CakSNP4193	<i>Kabuli</i>	Ca_Kabuli_Chr03	27470443	(A/C)
4194	CakSNP4194	<i>Kabuli</i>	Ca_Kabuli_Chr03	27470439	(G/T)
4195	CakSNP4195	<i>Kabuli</i>	Ca_Kabuli_Chr03	27597331	(A/C)
4196	CakSNP4196	<i>Kabuli</i>	Ca_Kabuli_Chr03	27597409	(A/G)
4197	CakSNP4197	<i>Kabuli</i>	Ca_Kabuli_Chr03	27632100	(G/A)
4198	CakSNP4198	<i>Kabuli</i>	Ca_Kabuli_Chr03	27632169	(T/C)
4199	CakSNP4199	<i>Kabuli</i>	Ca_Kabuli_Chr03	27654798	(A/C)
4200	CakSNP4200	<i>Kabuli</i>	Ca_Kabuli_Chr03	27673727	(C/A)
4201	CakSNP4201	<i>Kabuli</i>	Ca_Kabuli_Chr03	27681551	(T/C)
4202	CakSNP4202	<i>Kabuli</i>	Ca_Kabuli_Chr03	27716396	(C/T)
4203	CakSNP4203	<i>Kabuli</i>	Ca_Kabuli_Chr03	27763236	(C/T)
4204	CakSNP4204	<i>Kabuli</i>	Ca_Kabuli_Chr03	27812571	(A/T)
4205	CakSNP4205	<i>Kabuli</i>	Ca_Kabuli_Chr03	27876405	(A/G)
4206	CakSNP4206	<i>Kabuli</i>	Ca_Kabuli_Chr03	27877442	(A/T)
4207	CakSNP4207	<i>Kabuli</i>	Ca_Kabuli_Chr03	27877479	(C/T)
4208	CakSNP4208	<i>Kabuli</i>	Ca_Kabuli_Chr03	27877480	(G/A)
4209	CakSNP4209	<i>Kabuli</i>	Ca_Kabuli_Chr03	27877510	(G/A)
4210	CakSNP4210	<i>Kabuli</i>	Ca_Kabuli_Chr03	27888817	(G/C)
4211	CakSNP4211	<i>Kabuli</i>	Ca_Kabuli_Chr03	27889107	(A/G)
4212	CakSNP4212	<i>Kabuli</i>	Ca_Kabuli_Chr03	27890849	(C/T)
4213	CakSNP4213	<i>Kabuli</i>	Ca_Kabuli_Chr03	27905944	(T/C)
4214	CakSNP4214	<i>Kabuli</i>	Ca_Kabuli_Chr03	27905989	(G/A)
4215	CakSNP4215	<i>Kabuli</i>	Ca_Kabuli_Chr03	27905995	(C/T)
4216	CakSNP4216	<i>Kabuli</i>	Ca_Kabuli_Chr03	27906069	(C/A)
4217	CakSNP4217	<i>Kabuli</i>	Ca_Kabuli_Chr03	27914409	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4218	CakSNP4218	<i>Kabuli</i>	Ca_Kabuli_Chr03	27968979	(T/G)
4219	CakSNP4219	<i>Kabuli</i>	Ca_Kabuli_Chr03	27969014	(T/C)
4220	CakSNP4220	<i>Kabuli</i>	Ca_Kabuli_Chr03	27969005	(A/G)
4221	CakSNP4221	<i>Kabuli</i>	Ca_Kabuli_Chr03	27969207	(C/T)
4222	CakSNP4222	<i>Kabuli</i>	Ca_Kabuli_Chr03	28044035	(A/T)
4223	CakSNP4223	<i>Kabuli</i>	Ca_Kabuli_Chr03	28176380	(A/C)
4224	CakSNP4224	<i>Kabuli</i>	Ca_Kabuli_Chr03	28176333	(C/A)
4225	CakSNP4225	<i>Kabuli</i>	Ca_Kabuli_Chr03	28277991	(C/G)
4226	CakSNP4226	<i>Kabuli</i>	Ca_Kabuli_Chr03	28278018	(C/G)
4227	CakSNP4227	<i>Kabuli</i>	Ca_Kabuli_Chr03	28374024	(C/T)
4228	CakSNP4228	<i>Kabuli</i>	Ca_Kabuli_Chr03	28375082	(G/A)
4229	CakSNP4229	<i>Kabuli</i>	Ca_Kabuli_Chr03	28409001	(G/A)
4230	CakSNP4230	<i>Kabuli</i>	Ca_Kabuli_Chr03	28420948	(C/T)
4231	CakSNP4231	<i>Kabuli</i>	Ca_Kabuli_Chr03	28478044	(C/T)
4232	CakSNP4232	<i>Kabuli</i>	Ca_Kabuli_Chr03	28478539	(C/G)
4233	CakSNP4233	<i>Kabuli</i>	Ca_Kabuli_Chr03	28478569	(C/A)
4234	CakSNP4234	<i>Kabuli</i>	Ca_Kabuli_Chr03	28602055	(C/A)
4235	CakSNP4235	<i>Kabuli</i>	Ca_Kabuli_Chr03	28603892	(T/C)
4236	CakSNP4236	<i>Kabuli</i>	Ca_Kabuli_Chr03	28613067	(A/G)
4237	CakSNP4237	<i>Kabuli</i>	Ca_Kabuli_Chr03	28614784	(A/G)
4238	CakSNP4238	<i>Kabuli</i>	Ca_Kabuli_Chr03	28614919	(A/T)
4239	CakSNP4239	<i>Kabuli</i>	Ca_Kabuli_Chr03	28680858	(C/T)
4240	CakSNP4240	<i>Kabuli</i>	Ca_Kabuli_Chr03	28706106	(T/A)
4241	CakSNP4241	<i>Kabuli</i>	Ca_Kabuli_Chr03	28706292	(G/C)
4242	CakSNP4242	<i>Kabuli</i>	Ca_Kabuli_Chr03	28712993	(T/C)
4243	CakSNP4243	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716003	(C/T)
4244	CakSNP4244	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716027	(A/T)
4245	CakSNP4245	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716028	(A/T)
4246	CakSNP4246	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716029	(A/G)
4247	CakSNP4247	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716038	(T/G)
4248	CakSNP4248	<i>Kabuli</i>	Ca_Kabuli_Chr03	28716047	(G/A)
4249	CakSNP4249	<i>Kabuli</i>	Ca_Kabuli_Chr03	28755111	(A/G)
4250	CakSNP4250	<i>Kabuli</i>	Ca_Kabuli_Chr03	28755149	(G/A)
4251	CakSNP4251	<i>Kabuli</i>	Ca_Kabuli_Chr03	28845958	(A/C)
4252	CakSNP4252	<i>Kabuli</i>	Ca_Kabuli_Chr03	28926094	(T/A)
4253	CakSNP4253	<i>Kabuli</i>	Ca_Kabuli_Chr03	28926290	(T/C)
4254	CakSNP4254	<i>Kabuli</i>	Ca_Kabuli_Chr03	28934196	(C/T)
4255	CakSNP4255	<i>Kabuli</i>	Ca_Kabuli_Chr03	28943956	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4256	CakSNP4256	<i>Kabuli</i>	Ca_Kabuli_Chr03	28943989	(G/T)
4257	CakSNP4257	<i>Kabuli</i>	Ca_Kabuli_Chr03	29056451	(T/C)
4258	CakSNP4258	<i>Kabuli</i>	Ca_Kabuli_Chr03	29056528	(G/T)
4259	CakSNP4259	<i>Kabuli</i>	Ca_Kabuli_Chr03	29056768	(T/C)
4260	CakSNP4260	<i>Kabuli</i>	Ca_Kabuli_Chr03	29107776	(A/G)
4261	CakSNP4261	<i>Kabuli</i>	Ca_Kabuli_Chr03	29107947	(C/A)
4262	CakSNP4262	<i>Kabuli</i>	Ca_Kabuli_Chr03	29155741	(C/G)
4263	CakSNP4263	<i>Kabuli</i>	Ca_Kabuli_Chr03	29177885	(A/C)
4264	CakSNP4264	<i>Kabuli</i>	Ca_Kabuli_Chr03	29188300	(T/G)
4265	CakSNP4265	<i>Kabuli</i>	Ca_Kabuli_Chr03	29188308	(G/A)
4266	CakSNP4266	<i>Kabuli</i>	Ca_Kabuli_Chr03	29207338	(G/A)
4267	CakSNP4267	<i>Kabuli</i>	Ca_Kabuli_Chr03	29293770	(G/T)
4268	CakSNP4268	<i>Kabuli</i>	Ca_Kabuli_Chr03	29293783	(G/A)
4269	CakSNP4269	<i>Kabuli</i>	Ca_Kabuli_Chr03	29293840	(C/A)
4270	CakSNP4270	<i>Kabuli</i>	Ca_Kabuli_Chr03	29302251	(C/T)
4271	CakSNP4271	<i>Kabuli</i>	Ca_Kabuli_Chr03	29302448	(A/C)
4272	CakSNP4272	<i>Kabuli</i>	Ca_Kabuli_Chr03	29303144	(A/C)
4273	CakSNP4273	<i>Kabuli</i>	Ca_Kabuli_Chr03	29304116	(A/G)
4274	CakSNP4274	<i>Kabuli</i>	Ca_Kabuli_Chr03	29304161	(C/T)
4275	CakSNP4275	<i>Kabuli</i>	Ca_Kabuli_Chr03	29311672	(C/A)
4276	CakSNP4276	<i>Kabuli</i>	Ca_Kabuli_Chr03	29348267	(C/T)
4277	CakSNP4277	<i>Kabuli</i>	Ca_Kabuli_Chr03	29355268	(T/A)
4278	CakSNP4278	<i>Kabuli</i>	Ca_Kabuli_Chr03	29376025	(A/G)
4279	CakSNP4279	<i>Kabuli</i>	Ca_Kabuli_Chr03	29376008	(G/A)
4280	CakSNP4280	<i>Kabuli</i>	Ca_Kabuli_Chr03	29439505	(A/G)
4281	CakSNP4281	<i>Kabuli</i>	Ca_Kabuli_Chr03	29485590	(T/C)
4282	CakSNP4282	<i>Kabuli</i>	Ca_Kabuli_Chr03	29485566	(T/A)
4283	CakSNP4283	<i>Kabuli</i>	Ca_Kabuli_Chr03	29508831	(C/T)
4284	CakSNP4284	<i>Kabuli</i>	Ca_Kabuli_Chr03	29509323	(G/A)
4285	CakSNP4285	<i>Kabuli</i>	Ca_Kabuli_Chr03	29509310	(G/T)
4286	CakSNP4286	<i>Kabuli</i>	Ca_Kabuli_Chr03	29547528	(G/A)
4287	CakSNP4287	<i>Kabuli</i>	Ca_Kabuli_Chr03	29588940	(C/T)
4288	CakSNP4288	<i>Kabuli</i>	Ca_Kabuli_Chr03	29588934	(T/C)
4289	CakSNP4289	<i>Kabuli</i>	Ca_Kabuli_Chr03	29588930	(T/C)
4290	CakSNP4290	<i>Kabuli</i>	Ca_Kabuli_Chr03	29591575	(T/G)
4291	CakSNP4291	<i>Kabuli</i>	Ca_Kabuli_Chr03	29591613	(G/T)
4292	CakSNP4292	<i>Kabuli</i>	Ca_Kabuli_Chr03	29603720	(T/C)
4293	CakSNP4293	<i>Kabuli</i>	Ca_Kabuli_Chr03	29640075	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4294	CakSNP4294	<i>Kabuli</i>	Ca_Kabuli_Chr03	29640071	(T/C)
4295	CakSNP4295	<i>Kabuli</i>	Ca_Kabuli_Chr03	29666633	(C/T)
4296	CakSNP4296	<i>Kabuli</i>	Ca_Kabuli_Chr03	29690732	(C/A)
4297	CakSNP4297	<i>Kabuli</i>	Ca_Kabuli_Chr03	29698166	(G/T)
4298	CakSNP4298	<i>Kabuli</i>	Ca_Kabuli_Chr03	29698245	(T/A)
4299	CakSNP4299	<i>Kabuli</i>	Ca_Kabuli_Chr03	29698289	(G/A)
4300	CakSNP4300	<i>Kabuli</i>	Ca_Kabuli_Chr03	29698273	(A/C)
4301	CakSNP4301	<i>Kabuli</i>	Ca_Kabuli_Chr03	29730019	(G/T)
4302	CakSNP4302	<i>Kabuli</i>	Ca_Kabuli_Chr03	29744878	(T/G)
4303	CakSNP4303	<i>Kabuli</i>	Ca_Kabuli_Chr03	29744890	(A/C)
4304	CakSNP4304	<i>Kabuli</i>	Ca_Kabuli_Chr03	29803866	(C/T)
4305	CakSNP4305	<i>Kabuli</i>	Ca_Kabuli_Chr03	29803962	(A/G)
4306	CakSNP4306	<i>Kabuli</i>	Ca_Kabuli_Chr03	29807091	(C/G)
4307	CakSNP4307	<i>Kabuli</i>	Ca_Kabuli_Chr03	29807248	(A/G)
4308	CakSNP4308	<i>Kabuli</i>	Ca_Kabuli_Chr03	29836337	(C/A)
4309	CakSNP4309	<i>Kabuli</i>	Ca_Kabuli_Chr03	29840029	(C/G)
4310	CakSNP4310	<i>Kabuli</i>	Ca_Kabuli_Chr03	29840028	(T/C)
4311	CakSNP4311	<i>Kabuli</i>	Ca_Kabuli_Chr03	29840022	(C/A)
4312	CakSNP4312	<i>Kabuli</i>	Ca_Kabuli_Chr03	29840012	(A/T)
4313	CakSNP4313	<i>Kabuli</i>	Ca_Kabuli_Chr03	29844509	(T/A)
4314	CakSNP4314	<i>Kabuli</i>	Ca_Kabuli_Chr03	29869190	(G/T)
4315	CakSNP4315	<i>Kabuli</i>	Ca_Kabuli_Chr03	29869199	(T/C)
4316	CakSNP4316	<i>Kabuli</i>	Ca_Kabuli_Chr03	29869428	(G/T)
4317	CakSNP4317	<i>Kabuli</i>	Ca_Kabuli_Chr03	29869381	(G/A)
4318	CakSNP4318	<i>Kabuli</i>	Ca_Kabuli_Chr03	29869380	(G/A)
4319	CakSNP4319	<i>Kabuli</i>	Ca_Kabuli_Chr03	29872643	(A/G)
4320	CakSNP4320	<i>Kabuli</i>	Ca_Kabuli_Chr03	29872682	(G/A)
4321	CakSNP4321	<i>Kabuli</i>	Ca_Kabuli_Chr03	29898396	(A/G)
4322	CakSNP4322	<i>Kabuli</i>	Ca_Kabuli_Chr03	29912488	(A/G)
4323	CakSNP4323	<i>Kabuli</i>	Ca_Kabuli_Chr03	29915510	(G/A)
4324	CakSNP4324	<i>Kabuli</i>	Ca_Kabuli_Chr03	29932378	(C/G)
4325	CakSNP4325	<i>Kabuli</i>	Ca_Kabuli_Chr03	29932504	(T/A)
4326	CakSNP4326	<i>Kabuli</i>	Ca_Kabuli_Chr03	29932502	(G/C)
4327	CakSNP4327	<i>Kabuli</i>	Ca_Kabuli_Chr03	29954498	(G/A)
4328	CakSNP4328	<i>Kabuli</i>	Ca_Kabuli_Chr03	29954533	(A/G)
4329	CakSNP4329	<i>Kabuli</i>	Ca_Kabuli_Chr03	29954648	(A/T)
4330	CakSNP4330	<i>Kabuli</i>	Ca_Kabuli_Chr03	29954612	(T/G)
4331	CakSNP4331	<i>Kabuli</i>	Ca_Kabuli_Chr03	29974532	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4332	CakSNP4332	<i>Kabuli</i>	Ca_Kabuli_Chr03	29974535	(A/G)
4333	CakSNP4333	<i>Kabuli</i>	Ca_Kabuli_Chr03	29974595	(C/T)
4334	CakSNP4334	<i>Kabuli</i>	Ca_Kabuli_Chr03	29982638	(A/G)
4335	CakSNP4335	<i>Kabuli</i>	Ca_Kabuli_Chr03	29982644	(T/C)
4336	CakSNP4336	<i>Kabuli</i>	Ca_Kabuli_Chr03	29982718	(C/A)
4337	CakSNP4337	<i>Kabuli</i>	Ca_Kabuli_Chr03	30004352	(T/A)
4338	CakSNP4338	<i>Kabuli</i>	Ca_Kabuli_Chr03	30004311	(T/G)
4339	CakSNP4339	<i>Kabuli</i>	Ca_Kabuli_Chr03	30004295	(A/G)
4340	CakSNP4340	<i>Kabuli</i>	Ca_Kabuli_Chr03	30004279	(G/T)
4341	CakSNP4341	<i>Kabuli</i>	Ca_Kabuli_Chr03	30009698	(C/T)
4342	CakSNP4342	<i>Kabuli</i>	Ca_Kabuli_Chr03	30009751	(A/C)
4343	CakSNP4343	<i>Kabuli</i>	Ca_Kabuli_Chr03	30011584	(T/C)
4344	CakSNP4344	<i>Kabuli</i>	Ca_Kabuli_Chr03	30011669	(A/G)
4345	CakSNP4345	<i>Kabuli</i>	Ca_Kabuli_Chr03	30011642	(T/A)
4346	CakSNP4346	<i>Kabuli</i>	Ca_Kabuli_Chr03	30011621	(C/T)
4347	CakSNP4347	<i>Kabuli</i>	Ca_Kabuli_Chr03	30029874	(C/T)
4348	CakSNP4348	<i>Kabuli</i>	Ca_Kabuli_Chr03	30029858	(T/A)
4349	CakSNP4349	<i>Kabuli</i>	Ca_Kabuli_Chr03	30029842	(G/C)
4350	CakSNP4350	<i>Kabuli</i>	Ca_Kabuli_Chr03	30029826	(T/C)
4351	CakSNP4351	<i>Kabuli</i>	Ca_Kabuli_Chr03	30029817	(T/G)
4352	CakSNP4352	<i>Kabuli</i>	Ca_Kabuli_Chr03	30084154	(T/C)
4353	CakSNP4353	<i>Kabuli</i>	Ca_Kabuli_Chr03	30101412	(T/C)
4354	CakSNP4354	<i>Kabuli</i>	Ca_Kabuli_Chr03	30101476	(A/C)
4355	CakSNP4355	<i>Kabuli</i>	Ca_Kabuli_Chr03	30111154	(A/C)
4356	CakSNP4356	<i>Kabuli</i>	Ca_Kabuli_Chr03	30111146	(G/C)
4357	CakSNP4357	<i>Kabuli</i>	Ca_Kabuli_Chr03	30148907	(T/C)
4358	CakSNP4358	<i>Kabuli</i>	Ca_Kabuli_Chr03	30194810	(C/T)
4359	CakSNP4359	<i>Kabuli</i>	Ca_Kabuli_Chr03	30206121	(T/A)
4360	CakSNP4360	<i>Kabuli</i>	Ca_Kabuli_Chr03	30206266	(G/A)
4361	CakSNP4361	<i>Kabuli</i>	Ca_Kabuli_Chr03	30206281	(A/T)
4362	CakSNP4362	<i>Kabuli</i>	Ca_Kabuli_Chr03	30206436	(G/A)
4363	CakSNP4363	<i>Kabuli</i>	Ca_Kabuli_Chr03	30267761	(T/G)
4364	CakSNP4364	<i>Kabuli</i>	Ca_Kabuli_Chr03	30271022	(G/T)
4365	CakSNP4365	<i>Kabuli</i>	Ca_Kabuli_Chr03	30271028	(G/A)
4366	CakSNP4366	<i>Kabuli</i>	Ca_Kabuli_Chr03	30271034	(G/A)
4367	CakSNP4367	<i>Kabuli</i>	Ca_Kabuli_Chr03	30309625	(G/C)
4368	CakSNP4368	<i>Kabuli</i>	Ca_Kabuli_Chr03	30309624	(A/T)
4369	CakSNP4369	<i>Kabuli</i>	Ca_Kabuli_Chr03	30321177	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4370	CakSNP4370	<i>Kabuli</i>	Ca_Kabuli_Chr03	30321245	(C/T)
4371	CakSNP4371	<i>Kabuli</i>	Ca_Kabuli_Chr03	30321272	(C/A)
4372	CakSNP4372	<i>Kabuli</i>	Ca_Kabuli_Chr03	30323585	(G/A)
4373	CakSNP4373	<i>Kabuli</i>	Ca_Kabuli_Chr03	30376319	(G/A)
4374	CakSNP4374	<i>Kabuli</i>	Ca_Kabuli_Chr03	30385144	(G/A)
4375	CakSNP4375	<i>Kabuli</i>	Ca_Kabuli_Chr03	30385153	(T/A)
4376	CakSNP4376	<i>Kabuli</i>	Ca_Kabuli_Chr03	30390663	(C/T)
4377	CakSNP4377	<i>Kabuli</i>	Ca_Kabuli_Chr03	30397262	(A/T)
4378	CakSNP4378	<i>Kabuli</i>	Ca_Kabuli_Chr03	30425496	(G/T)
4379	CakSNP4379	<i>Kabuli</i>	Ca_Kabuli_Chr03	30510392	(T/A)
4380	CakSNP4380	<i>Kabuli</i>	Ca_Kabuli_Chr03	30510333	(C/T)
4381	CakSNP4381	<i>Kabuli</i>	Ca_Kabuli_Chr03	30522442	(A/C)
4382	CakSNP4382	<i>Kabuli</i>	Ca_Kabuli_Chr03	30522485	(C/T)
4383	CakSNP4383	<i>Kabuli</i>	Ca_Kabuli_Chr03	30522498	(T/C)
4384	CakSNP4384	<i>Kabuli</i>	Ca_Kabuli_Chr03	30650598	(C/A)
4385	CakSNP4385	<i>Kabuli</i>	Ca_Kabuli_Chr03	30650634	(T/C)
4386	CakSNP4386	<i>Kabuli</i>	Ca_Kabuli_Chr03	30650659	(C/T)
4387	CakSNP4387	<i>Kabuli</i>	Ca_Kabuli_Chr03	30659438	(T/A)
4388	CakSNP4388	<i>Kabuli</i>	Ca_Kabuli_Chr03	30675468	(T/G)
4389	CakSNP4389	<i>Kabuli</i>	Ca_Kabuli_Chr03	30681031	(A/G)
4390	CakSNP4390	<i>Kabuli</i>	Ca_Kabuli_Chr03	30681032	(A/G)
4391	CakSNP4391	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688336	(T/G)
4392	CakSNP4392	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688354	(G/A)
4393	CakSNP4393	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688369	(T/C)
4394	CakSNP4394	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688418	(A/C)
4395	CakSNP4395	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688511	(G/C)
4396	CakSNP4396	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688485	(C/A)
4397	CakSNP4397	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688484	(A/C)
4398	CakSNP4398	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688454	(A/G)
4399	CakSNP4399	<i>Kabuli</i>	Ca_Kabuli_Chr03	30688451	(T/C)
4400	CakSNP4400	<i>Kabuli</i>	Ca_Kabuli_Chr03	30718334	(G/T)
4401	CakSNP4401	<i>Kabuli</i>	Ca_Kabuli_Chr03	30751893	(A/C)
4402	CakSNP4402	<i>Kabuli</i>	Ca_Kabuli_Chr03	30751949	(A/T)
4403	CakSNP4403	<i>Kabuli</i>	Ca_Kabuli_Chr03	30791169	(A/T)
4404	CakSNP4404	<i>Kabuli</i>	Ca_Kabuli_Chr03	30791229	(G/A)
4405	CakSNP4405	<i>Kabuli</i>	Ca_Kabuli_Chr03	30791693	(C/T)
4406	CakSNP4406	<i>Kabuli</i>	Ca_Kabuli_Chr03	30794040	(C/A)
4407	CakSNP4407	<i>Kabuli</i>	Ca_Kabuli_Chr03	30794046	(A/C)

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4408	CakSNP4408	<i>Kabuli</i>	Ca_Kabuli_Chr03	30837147	(A/G)
4409	CakSNP4409	<i>Kabuli</i>	Ca_Kabuli_Chr03	30837284	(C/T)
4410	CakSNP4410	<i>Kabuli</i>	Ca_Kabuli_Chr03	30837265	(T/C)
4411	CakSNP4411	<i>Kabuli</i>	Ca_Kabuli_Chr03	30880452	(T/C)
4412	CakSNP4412	<i>Kabuli</i>	Ca_Kabuli_Chr03	30880610	(A/G)
4413	CakSNP4413	<i>Kabuli</i>	Ca_Kabuli_Chr03	31020357	(C/A)
4414	CakSNP4414	<i>Kabuli</i>	Ca_Kabuli_Chr03	31020358	(C/G)
4415	CakSNP4415	<i>Kabuli</i>	Ca_Kabuli_Chr03	31073396	(T/C)
4416	CakSNP4416	<i>Kabuli</i>	Ca_Kabuli_Chr03	31073425	(G/C)
4417	CakSNP4417	<i>Kabuli</i>	Ca_Kabuli_Chr03	31073451	(A/G)
4418	CakSNP4418	<i>Kabuli</i>	Ca_Kabuli_Chr03	31091875	(T/G)
4419	CakSNP4419	<i>Kabuli</i>	Ca_Kabuli_Chr03	31267639	(T/A)
4420	CakSNP4420	<i>Kabuli</i>	Ca_Kabuli_Chr03	31267675	(A/G)
4421	CakSNP4421	<i>Kabuli</i>	Ca_Kabuli_Chr03	31267681	(G/A)
4422	CakSNP4422	<i>Kabuli</i>	Ca_Kabuli_Chr03	31267828	(A/G)
4423	CakSNP4423	<i>Kabuli</i>	Ca_Kabuli_Chr03	31267927	(T/G)
4424	CakSNP4424	<i>Kabuli</i>	Ca_Kabuli_Chr03	31268143	(A/G)
4425	CakSNP4425	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279502	(C/T)
4426	CakSNP4426	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279541	(A/G)
4427	CakSNP4427	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279639	(C/T)
4428	CakSNP4428	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279629	(C/G)
4429	CakSNP4429	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279628	(T/C)
4430	CakSNP4430	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279616	(T/A)
4431	CakSNP4431	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279606	(G/A)
4432	CakSNP4432	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279605	(G/A)
4433	CakSNP4433	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279604	(C/G)
4434	CakSNP4434	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279600	(T/C)
4435	CakSNP4435	<i>Kabuli</i>	Ca_Kabuli_Chr03	31279586	(A/G)
4436	CakSNP4436	<i>Kabuli</i>	Ca_Kabuli_Chr03	31287618	(C/A)
4437	CakSNP4437	<i>Kabuli</i>	Ca_Kabuli_Chr03	31287909	(A/G)
4438	CakSNP4438	<i>Kabuli</i>	Ca_Kabuli_Chr03	31288143	(T/C)
4439	CakSNP4439	<i>Kabuli</i>	Ca_Kabuli_Chr03	31301723	(G/A)
4440	CakSNP4440	<i>Kabuli</i>	Ca_Kabuli_Chr03	31301783	(A/G)
4441	CakSNP4441	<i>Kabuli</i>	Ca_Kabuli_Chr03	31302060	(T/C)
4442	CakSNP4442	<i>Kabuli</i>	Ca_Kabuli_Chr03	31302117	(C/T)
4443	CakSNP4443	<i>Kabuli</i>	Ca_Kabuli_Chr03	31313021	(G/T)
4444	CakSNP4444	<i>Kabuli</i>	Ca_Kabuli_Chr03	31317521	(T/G)
4445	CakSNP4445	<i>Kabuli</i>	Ca_Kabuli_Chr03	31321725	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4446	CakSNP4446	<i>Kabuli</i>	Ca_Kabuli_Chr03	31321778	(G/A)
4447	CakSNP4447	<i>Kabuli</i>	Ca_Kabuli_Chr03	31321850	(A/G)
4448	CakSNP4448	<i>Kabuli</i>	Ca_Kabuli_Chr03	31341335	(C/T)
4449	CakSNP4449	<i>Kabuli</i>	Ca_Kabuli_Chr03	31341323	(T/C)
4450	CakSNP4450	<i>Kabuli</i>	Ca_Kabuli_Chr03	31342119	(A/T)
4451	CakSNP4451	<i>Kabuli</i>	Ca_Kabuli_Chr03	31354988	(G/C)
4452	CakSNP4452	<i>Kabuli</i>	Ca_Kabuli_Chr03	31355001	(C/T)
4453	CakSNP4453	<i>Kabuli</i>	Ca_Kabuli_Chr03	31355026	(T/C)
4454	CakSNP4454	<i>Kabuli</i>	Ca_Kabuli_Chr03	31355066	(A/T)
4455	CakSNP4455	<i>Kabuli</i>	Ca_Kabuli_Chr03	31357787	(A/T)
4456	CakSNP4456	<i>Kabuli</i>	Ca_Kabuli_Chr03	31431216	(C/T)
4457	CakSNP4457	<i>Kabuli</i>	Ca_Kabuli_Chr03	31478804	(T/C)
4458	CakSNP4458	<i>Kabuli</i>	Ca_Kabuli_Chr03	31478882	(C/T)
4459	CakSNP4459	<i>Kabuli</i>	Ca_Kabuli_Chr03	31480603	(T/C)
4460	CakSNP4460	<i>Kabuli</i>	Ca_Kabuli_Chr03	31516662	(G/T)
4461	CakSNP4461	<i>Kabuli</i>	Ca_Kabuli_Chr03	31516766	(T/C)
4462	CakSNP4462	<i>Kabuli</i>	Ca_Kabuli_Chr03	31520119	(C/T)
4463	CakSNP4463	<i>Kabuli</i>	Ca_Kabuli_Chr03	31520225	(A/T)
4464	CakSNP4464	<i>Kabuli</i>	Ca_Kabuli_Chr03	31520198	(G/A)
4465	CakSNP4465	<i>Kabuli</i>	Ca_Kabuli_Chr03	31520190	(T/C)
4466	CakSNP4466	<i>Kabuli</i>	Ca_Kabuli_Chr03	31520832	(G/A)
4467	CakSNP4467	<i>Kabuli</i>	Ca_Kabuli_Chr03	31521142	(T/C)
4468	CakSNP4468	<i>Kabuli</i>	Ca_Kabuli_Chr03	31521155	(T/A)
4469	CakSNP4469	<i>Kabuli</i>	Ca_Kabuli_Chr03	31589355	(A/G)
4470	CakSNP4470	<i>Kabuli</i>	Ca_Kabuli_Chr03	31589329	(C/T)
4471	CakSNP4471	<i>Kabuli</i>	Ca_Kabuli_Chr03	31591065	(G/A)
4472	CakSNP4472	<i>Kabuli</i>	Ca_Kabuli_Chr03	31606359	(C/T)
4473	CakSNP4473	<i>Kabuli</i>	Ca_Kabuli_Chr03	31630175	(T/A)
4474	CakSNP4474	<i>Kabuli</i>	Ca_Kabuli_Chr03	31630178	(G/T)
4475	CakSNP4475	<i>Kabuli</i>	Ca_Kabuli_Chr03	31630195	(T/C)
4476	CakSNP4476	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631451	(A/C)
4477	CakSNP4477	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631444	(T/G)
4478	CakSNP4478	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631561	(G/A)
4479	CakSNP4479	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631534	(A/G)
4480	CakSNP4480	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631622	(G/A)
4481	CakSNP4481	<i>Kabuli</i>	Ca_Kabuli_Chr03	31631644	(A/C)
4482	CakSNP4482	<i>Kabuli</i>	Ca_Kabuli_Chr03	31646735	(C/T)
4483	CakSNP4483	<i>Kabuli</i>	Ca_Kabuli_Chr03	31646817	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4484	CakSNP4484	<i>Kabuli</i>	Ca_Kabuli_Chr03	31646802	(G/A)
4485	CakSNP4485	<i>Kabuli</i>	Ca_Kabuli_Chr03	31683906	(A/G)
4486	CakSNP4486	<i>Kabuli</i>	Ca_Kabuli_Chr03	31689128	(C/T)
4487	CakSNP4487	<i>Kabuli</i>	Ca_Kabuli_Chr03	31698493	(A/C)
4488	CakSNP4488	<i>Kabuli</i>	Ca_Kabuli_Chr03	31766363	(G/A)
4489	CakSNP4489	<i>Kabuli</i>	Ca_Kabuli_Chr03	31770365	(A/C)
4490	CakSNP4490	<i>Kabuli</i>	Ca_Kabuli_Chr03	31771314	(C/A)
4491	CakSNP4491	<i>Kabuli</i>	Ca_Kabuli_Chr03	31790189	(C/T)
4492	CakSNP4492	<i>Kabuli</i>	Ca_Kabuli_Chr03	31790216	(G/A)
4493	CakSNP4493	<i>Kabuli</i>	Ca_Kabuli_Chr03	31790239	(G/T)
4494	CakSNP4494	<i>Kabuli</i>	Ca_Kabuli_Chr03	31790352	(G/A)
4495	CakSNP4495	<i>Kabuli</i>	Ca_Kabuli_Chr03	31814300	(A/G)
4496	CakSNP4496	<i>Kabuli</i>	Ca_Kabuli_Chr03	31852191	(T/C)
4497	CakSNP4497	<i>Kabuli</i>	Ca_Kabuli_Chr03	31857877	(C/T)
4498	CakSNP4498	<i>Kabuli</i>	Ca_Kabuli_Chr03	31859152	(C/G)
4499	CakSNP4499	<i>Kabuli</i>	Ca_Kabuli_Chr03	31859251	(T/C)
4500	CakSNP4500	<i>Kabuli</i>	Ca_Kabuli_Chr03	31926694	(C/G)
4501	CakSNP4501	<i>Kabuli</i>	Ca_Kabuli_Chr03	31931014	(A/C)
4502	CakSNP4502	<i>Kabuli</i>	Ca_Kabuli_Chr03	31945504	(C/T)
4503	CakSNP4503	<i>Kabuli</i>	Ca_Kabuli_Chr03	31945634	(A/G)
4504	CakSNP4504	<i>Kabuli</i>	Ca_Kabuli_Chr03	31951994	(G/A)
4505	CakSNP4505	<i>Kabuli</i>	Ca_Kabuli_Chr03	31953466	(G/A)
4506	CakSNP4506	<i>Kabuli</i>	Ca_Kabuli_Chr03	31953549	(C/T)
4507	CakSNP4507	<i>Kabuli</i>	Ca_Kabuli_Chr03	32351052	(C/T)
4508	CakSNP4508	<i>Kabuli</i>	Ca_Kabuli_Chr03	32351031	(G/C)
4509	CakSNP4509	<i>Kabuli</i>	Ca_Kabuli_Chr03	32357599	(C/T)
4510	CakSNP4510	<i>Kabuli</i>	Ca_Kabuli_Chr03	32357578	(G/C)
4511	CakSNP4511	<i>Kabuli</i>	Ca_Kabuli_Chr03	32448959	(T/C)
4512	CakSNP4512	<i>Kabuli</i>	Ca_Kabuli_Chr03	32449654	(T/G)
4513	CakSNP4513	<i>Kabuli</i>	Ca_Kabuli_Chr03	32449700	(C/T)
4514	CakSNP4514	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510033	(T/G)
4515	CakSNP4515	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510090	(A/G)
4516	CakSNP4516	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510130	(A/G)
4517	CakSNP4517	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510124	(C/T)
4518	CakSNP4518	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510111	(C/T)
4519	CakSNP4519	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510071	(G/T)
4520	CakSNP4520	<i>Kabuli</i>	Ca_Kabuli_Chr03	32510081	(C/T)
4521	CakSNP4521	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514908	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4522	CakSNP4522	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514890	(A/G)
4523	CakSNP4523	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514889	(C/T)
4524	CakSNP4524	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514869	(C/T)
4525	CakSNP4525	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514868	(A/G)
4526	CakSNP4526	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514867	(C/T)
4527	CakSNP4527	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514863	(G/C)
4528	CakSNP4528	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514859	(C/T)
4529	CakSNP4529	<i>Kabuli</i>	Ca_Kabuli_Chr03	32514916	(G/C)
4530	CakSNP4530	<i>Kabuli</i>	Ca_Kabuli_Chr03	32525128	(G/T)
4531	CakSNP4531	<i>Kabuli</i>	Ca_Kabuli_Chr03	32557850	(C/T)
4532	CakSNP4532	<i>Kabuli</i>	Ca_Kabuli_Chr03	32571237	(G/A)
4533	CakSNP4533	<i>Kabuli</i>	Ca_Kabuli_Chr03	32571291	(A/G)
4534	CakSNP4534	<i>Kabuli</i>	Ca_Kabuli_Chr03	32571275	(T/C)
4535	CakSNP4535	<i>Kabuli</i>	Ca_Kabuli_Chr03	32600003	(A/G)
4536	CakSNP4536	<i>Kabuli</i>	Ca_Kabuli_Chr03	32601732	(T/C)
4537	CakSNP4537	<i>Kabuli</i>	Ca_Kabuli_Chr03	32608947	(A/G)
4538	CakSNP4538	<i>Kabuli</i>	Ca_Kabuli_Chr03	32662861	(A/G)
4539	CakSNP4539	<i>Kabuli</i>	Ca_Kabuli_Chr03	32662858	(A/G)
4540	CakSNP4540	<i>Kabuli</i>	Ca_Kabuli_Chr03	32663015	(C/T)
4541	CakSNP4541	<i>Kabuli</i>	Ca_Kabuli_Chr03	32663059	(A/C)
4542	CakSNP4542	<i>Kabuli</i>	Ca_Kabuli_Chr03	32694509	(T/C)
4543	CakSNP4543	<i>Kabuli</i>	Ca_Kabuli_Chr03	32694454	(T/C)
4544	CakSNP4544	<i>Kabuli</i>	Ca_Kabuli_Chr03	32704734	(G/A)
4545	CakSNP4545	<i>Kabuli</i>	Ca_Kabuli_Chr03	32704868	(G/T)
4546	CakSNP4546	<i>Kabuli</i>	Ca_Kabuli_Chr03	32704953	(G/A)
4547	CakSNP4547	<i>Kabuli</i>	Ca_Kabuli_Chr03	32706200	(C/T)
4548	CakSNP4548	<i>Kabuli</i>	Ca_Kabuli_Chr03	32725039	(C/G)
4549	CakSNP4549	<i>Kabuli</i>	Ca_Kabuli_Chr03	32725096	(A/T)
4550	CakSNP4550	<i>Kabuli</i>	Ca_Kabuli_Chr03	32758259	(C/A)
4551	CakSNP4551	<i>Kabuli</i>	Ca_Kabuli_Chr03	32758293	(T/C)
4552	CakSNP4552	<i>Kabuli</i>	Ca_Kabuli_Chr03	32785228	(A/G)
4553	CakSNP4553	<i>Kabuli</i>	Ca_Kabuli_Chr03	32827067	(C/G)
4554	CakSNP4554	<i>Kabuli</i>	Ca_Kabuli_Chr03	32827065	(T/G)
4555	CakSNP4555	<i>Kabuli</i>	Ca_Kabuli_Chr03	32845361	(A/G)
4556	CakSNP4556	<i>Kabuli</i>	Ca_Kabuli_Chr03	32845395	(C/A)
4557	CakSNP4557	<i>Kabuli</i>	Ca_Kabuli_Chr03	32847120	(T/A)
4558	CakSNP4558	<i>Kabuli</i>	Ca_Kabuli_Chr03	32847216	(A/G)
4559	CakSNP4559	<i>Kabuli</i>	Ca_Kabuli_Chr03	32865549	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4560	CakSNP4560	<i>Kabuli</i>	Ca_Kabuli_Chr03	32865530	(C/G)
4561	CakSNP4561	<i>Kabuli</i>	Ca_Kabuli_Chr03	32954428	(T/C)
4562	CakSNP4562	<i>Kabuli</i>	Ca_Kabuli_Chr03	33033245	(T/C)
4563	CakSNP4563	<i>Kabuli</i>	Ca_Kabuli_Chr03	33091737	(A/C)
4564	CakSNP4564	<i>Kabuli</i>	Ca_Kabuli_Chr03	33120619	(G/A)
4565	CakSNP4565	<i>Kabuli</i>	Ca_Kabuli_Chr03	33120825	(G/A)
4566	CakSNP4566	<i>Kabuli</i>	Ca_Kabuli_Chr03	33520615	(A/C)
4567	CakSNP4567	<i>Kabuli</i>	Ca_Kabuli_Chr03	33520887	(G/A)
4568	CakSNP4568	<i>Kabuli</i>	Ca_Kabuli_Chr03	33522974	(G/A)
4569	CakSNP4569	<i>Kabuli</i>	Ca_Kabuli_Chr03	33533273	(G/A)
4570	CakSNP4570	<i>Kabuli</i>	Ca_Kabuli_Chr03	33627826	(A/C)
4571	CakSNP4571	<i>Kabuli</i>	Ca_Kabuli_Chr03	33715215	(G/T)
4572	CakSNP4572	<i>Kabuli</i>	Ca_Kabuli_Chr03	33898250	(C/T)
4573	CakSNP4573	<i>Kabuli</i>	Ca_Kabuli_Chr03	33900522	(A/G)
4574	CakSNP4574	<i>Kabuli</i>	Ca_Kabuli_Chr03	33900533	(A/G)
4575	CakSNP4575	<i>Kabuli</i>	Ca_Kabuli_Chr03	33904394	(T/A)
4576	CakSNP4576	<i>Kabuli</i>	Ca_Kabuli_Chr03	34247736	(T/G)
4577	CakSNP4577	<i>Kabuli</i>	Ca_Kabuli_Chr03	34247831	(G/A)
4578	CakSNP4578	<i>Kabuli</i>	Ca_Kabuli_Chr03	34247828	(T/C)
4579	CakSNP4579	<i>Kabuli</i>	Ca_Kabuli_Chr03	34247893	(A/G)
4580	CakSNP4580	<i>Kabuli</i>	Ca_Kabuli_Chr03	34268356	(A/T)
4581	CakSNP4581	<i>Kabuli</i>	Ca_Kabuli_Chr03	34282419	(C/T)
4582	CakSNP4582	<i>Kabuli</i>	Ca_Kabuli_Chr03	34290129	(T/C)
4583	CakSNP4583	<i>Kabuli</i>	Ca_Kabuli_Chr03	34290135	(G/A)
4584	CakSNP4584	<i>Kabuli</i>	Ca_Kabuli_Chr03	34290173	(C/T)
4585	CakSNP4585	<i>Kabuli</i>	Ca_Kabuli_Chr03	34352385	(A/C)
4586	CakSNP4586	<i>Kabuli</i>	Ca_Kabuli_Chr03	34356844	(A/C)
4587	CakSNP4587	<i>Kabuli</i>	Ca_Kabuli_Chr03	34357171	(T/G)
4588	CakSNP4588	<i>Kabuli</i>	Ca_Kabuli_Chr03	34357296	(C/G)
4589	CakSNP4589	<i>Kabuli</i>	Ca_Kabuli_Chr03	34496982	(G/C)
4590	CakSNP4590	<i>Kabuli</i>	Ca_Kabuli_Chr03	34524656	(C/A)
4591	CakSNP4591	<i>Kabuli</i>	Ca_Kabuli_Chr03	34542046	(T/G)
4592	CakSNP4592	<i>Kabuli</i>	Ca_Kabuli_Chr03	34543039	(C/T)
4593	CakSNP4593	<i>Kabuli</i>	Ca_Kabuli_Chr03	34543111	(A/G)
4594	CakSNP4594	<i>Kabuli</i>	Ca_Kabuli_Chr03	34547052	(A/T)
4595	CakSNP4595	<i>Kabuli</i>	Ca_Kabuli_Chr03	34547069	(G/T)
4596	CakSNP4596	<i>Kabuli</i>	Ca_Kabuli_Chr03	34547141	(A/G)
4597	CakSNP4597	<i>Kabuli</i>	Ca_Kabuli_Chr03	34576769	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4598	CakSNP4598	<i>Kabuli</i>	Ca_Kabuli_Chr03	34595487	(A/G)
4599	CakSNP4599	<i>Kabuli</i>	Ca_Kabuli_Chr03	34601038	(T/C)
4600	CakSNP4600	<i>Kabuli</i>	Ca_Kabuli_Chr03	34603669	(T/A)
4601	CakSNP4601	<i>Kabuli</i>	Ca_Kabuli_Chr03	34650308	(G/A)
4602	CakSNP4602	<i>Kabuli</i>	Ca_Kabuli_Chr03	34650245	(G/A)
4603	CakSNP4603	<i>Kabuli</i>	Ca_Kabuli_Chr03	34662736	(T/G)
4604	CakSNP4604	<i>Kabuli</i>	Ca_Kabuli_Chr03	34699114	(C/A)
4605	CakSNP4605	<i>Kabuli</i>	Ca_Kabuli_Chr03	34699076	(T/C)
4606	CakSNP4606	<i>Kabuli</i>	Ca_Kabuli_Chr03	34722508	(A/T)
4607	CakSNP4607	<i>Kabuli</i>	Ca_Kabuli_Chr03	34722931	(A/G)
4608	CakSNP4608	<i>Kabuli</i>	Ca_Kabuli_Chr03	34722979	(T/C)
4609	CakSNP4609	<i>Kabuli</i>	Ca_Kabuli_Chr03	34722992	(T/G)
4610	CakSNP4610	<i>Kabuli</i>	Ca_Kabuli_Chr03	34730463	(T/C)
4611	CakSNP4611	<i>Kabuli</i>	Ca_Kabuli_Chr03	34730954	(G/A)
4612	CakSNP4612	<i>Kabuli</i>	Ca_Kabuli_Chr03	34800277	(G/A)
4613	CakSNP4613	<i>Kabuli</i>	Ca_Kabuli_Chr03	34820472	(T/A)
4614	CakSNP4614	<i>Kabuli</i>	Ca_Kabuli_Chr03	34820532	(T/A)
4615	CakSNP4615	<i>Kabuli</i>	Ca_Kabuli_Chr03	34852030	(G/A)
4616	CakSNP4616	<i>Kabuli</i>	Ca_Kabuli_Chr03	34852070	(T/G)
4617	CakSNP4617	<i>Kabuli</i>	Ca_Kabuli_Chr03	34852047	(T/A)
4618	CakSNP4618	<i>Kabuli</i>	Ca_Kabuli_Chr03	34889316	(C/G)
4619	CakSNP4619	<i>Kabuli</i>	Ca_Kabuli_Chr03	34889361	(T/C)
4620	CakSNP4620	<i>Kabuli</i>	Ca_Kabuli_Chr03	34911621	(G/A)
4621	CakSNP4621	<i>Kabuli</i>	Ca_Kabuli_Chr03	35071821	(A/G)
4622	CakSNP4622	<i>Kabuli</i>	Ca_Kabuli_Chr03	35071852	(T/G)
4623	CakSNP4623	<i>Kabuli</i>	Ca_Kabuli_Chr03	35085559	(T/A)
4624	CakSNP4624	<i>Kabuli</i>	Ca_Kabuli_Chr03	35085658	(C/A)
4625	CakSNP4625	<i>Kabuli</i>	Ca_Kabuli_Chr03	35126649	(C/G)
4626	CakSNP4626	<i>Kabuli</i>	Ca_Kabuli_Chr03	35126766	(G/A)
4627	CakSNP4627	<i>Kabuli</i>	Ca_Kabuli_Chr03	35126760	(G/A)
4628	CakSNP4628	<i>Kabuli</i>	Ca_Kabuli_Chr03	35167312	(T/G)
4629	CakSNP4629	<i>Kabuli</i>	Ca_Kabuli_Chr03	35167359	(T/G)
4630	CakSNP4630	<i>Kabuli</i>	Ca_Kabuli_Chr03	35185001	(G/T)
4631	CakSNP4631	<i>Kabuli</i>	Ca_Kabuli_Chr03	35274992	(A/G)
4632	CakSNP4632	<i>Kabuli</i>	Ca_Kabuli_Chr03	35275199	(T/C)
4633	CakSNP4633	<i>Kabuli</i>	Ca_Kabuli_Chr03	35332088	(T/A)
4634	CakSNP4634	<i>Kabuli</i>	Ca_Kabuli_Chr03	35332091	(T/C)
4635	CakSNP4635	<i>Kabuli</i>	Ca_Kabuli_Chr03	35383318	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4636	CakSNP4636	<i>Kabuli</i>	Ca_Kabuli_Chr03	35394684	(G/T)
4637	CakSNP4637	<i>Kabuli</i>	Ca_Kabuli_Chr03	35403074	(A/G)
4638	CakSNP4638	<i>Kabuli</i>	Ca_Kabuli_Chr03	35420061	(A/G)
4639	CakSNP4639	<i>Kabuli</i>	Ca_Kabuli_Chr03	35420108	(T/A)
4640	CakSNP4640	<i>Kabuli</i>	Ca_Kabuli_Chr03	35424994	(T/C)
4641	CakSNP4641	<i>Kabuli</i>	Ca_Kabuli_Chr03	35483932	(T/C)
4642	CakSNP4642	<i>Kabuli</i>	Ca_Kabuli_Chr03	35483960	(T/C)
4643	CakSNP4643	<i>Kabuli</i>	Ca_Kabuli_Chr03	35483995	(T/C)
4644	CakSNP4644	<i>Kabuli</i>	Ca_Kabuli_Chr03	35483999	(C/T)
4645	CakSNP4645	<i>Kabuli</i>	Ca_Kabuli_Chr03	35484034	(G/C)
4646	CakSNP4646	<i>Kabuli</i>	Ca_Kabuli_Chr03	35487736	(T/C)
4647	CakSNP4647	<i>Kabuli</i>	Ca_Kabuli_Chr03	35488503	(A/C)
4648	CakSNP4648	<i>Kabuli</i>	Ca_Kabuli_Chr03	35488597	(T/C)
4649	CakSNP4649	<i>Kabuli</i>	Ca_Kabuli_Chr03	35488570	(G/T)
4650	CakSNP4650	<i>Kabuli</i>	Ca_Kabuli_Chr03	35490991	(A/G)
4651	CakSNP4651	<i>Kabuli</i>	Ca_Kabuli_Chr03	35490951	(C/T)
4652	CakSNP4652	<i>Kabuli</i>	Ca_Kabuli_Chr03	35543614	(C/T)
4653	CakSNP4653	<i>Kabuli</i>	Ca_Kabuli_Chr03	35631679	(C/G)
4654	CakSNP4654	<i>Kabuli</i>	Ca_Kabuli_Chr03	35631689	(C/A)
4655	CakSNP4655	<i>Kabuli</i>	Ca_Kabuli_Chr03	35631723	(A/G)
4656	CakSNP4656	<i>Kabuli</i>	Ca_Kabuli_Chr03	35647986	(C/G)
4657	CakSNP4657	<i>Kabuli</i>	Ca_Kabuli_Chr03	35747394	(C/G)
4658	CakSNP4658	<i>Kabuli</i>	Ca_Kabuli_Chr03	35807222	(A/G)
4659	CakSNP4659	<i>Kabuli</i>	Ca_Kabuli_Chr03	35807265	(T/C)
4660	CakSNP4660	<i>Kabuli</i>	Ca_Kabuli_Chr03	35807407	(A/T)
4661	CakSNP4661	<i>Kabuli</i>	Ca_Kabuli_Chr03	35829834	(A/G)
4662	CakSNP4662	<i>Kabuli</i>	Ca_Kabuli_Chr03	35898320	(G/C)
4663	CakSNP4663	<i>Kabuli</i>	Ca_Kabuli_Chr03	35898374	(G/A)
4664	CakSNP4664	<i>Kabuli</i>	Ca_Kabuli_Chr03	35898581	(C/T)
4665	CakSNP4665	<i>Kabuli</i>	Ca_Kabuli_Chr03	35920684	(A/C)
4666	CakSNP4666	<i>Kabuli</i>	Ca_Kabuli_Chr03	35920860	(C/A)
4667	CakSNP4667	<i>Kabuli</i>	Ca_Kabuli_Chr03	35948487	(G/A)
4668	CakSNP4668	<i>Kabuli</i>	Ca_Kabuli_Chr03	35979412	(G/T)
4669	CakSNP4669	<i>Kabuli</i>	Ca_Kabuli_Chr03	36003699	(G/A)
4670	CakSNP4670	<i>Kabuli</i>	Ca_Kabuli_Chr03	36003682	(G/T)
4671	CakSNP4671	<i>Kabuli</i>	Ca_Kabuli_Chr03	36004638	(C/T)
4672	CakSNP4672	<i>Kabuli</i>	Ca_Kabuli_Chr03	36004663	(T/C)
4673	CakSNP4673	<i>Kabuli</i>	Ca_Kabuli_Chr03	36004668	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4674	CakSNP4674	<i>Kabuli</i>	Ca_Kabuli_Chr03	36046759	(G/A)
4675	CakSNP4675	<i>Kabuli</i>	Ca_Kabuli_Chr03	36046938	(C/T)
4676	CakSNP4676	<i>Kabuli</i>	Ca_Kabuli_Chr03	36046956	(A/C)
4677	CakSNP4677	<i>Kabuli</i>	Ca_Kabuli_Chr03	36050259	(T/G)
4678	CakSNP4678	<i>Kabuli</i>	Ca_Kabuli_Chr03	36050319	(T/C)
4679	CakSNP4679	<i>Kabuli</i>	Ca_Kabuli_Chr03	36071033	(A/G)
4680	CakSNP4680	<i>Kabuli</i>	Ca_Kabuli_Chr03	36085966	(G/A)
4681	CakSNP4681	<i>Kabuli</i>	Ca_Kabuli_Chr03	36117521	(A/G)
4682	CakSNP4682	<i>Kabuli</i>	Ca_Kabuli_Chr03	36118120	(T/C)
4683	CakSNP4683	<i>Kabuli</i>	Ca_Kabuli_Chr03	36118156	(C/T)
4684	CakSNP4684	<i>Kabuli</i>	Ca_Kabuli_Chr03	36119592	(T/C)
4685	CakSNP4685	<i>Kabuli</i>	Ca_Kabuli_Chr03	36119602	(C/A)
4686	CakSNP4686	<i>Kabuli</i>	Ca_Kabuli_Chr03	36130561	(T/A)
4687	CakSNP4687	<i>Kabuli</i>	Ca_Kabuli_Chr03	36130610	(C/A)
4688	CakSNP4688	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132440	(T/C)
4689	CakSNP4689	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132437	(C/T)
4690	CakSNP4690	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132401	(C/T)
4691	CakSNP4691	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132480	(C/T)
4692	CakSNP4692	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132539	(C/T)
4693	CakSNP4693	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132586	(T/G)
4694	CakSNP4694	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132570	(G/A)
4695	CakSNP4695	<i>Kabuli</i>	Ca_Kabuli_Chr03	36132554	(A/T)
4696	CakSNP4696	<i>Kabuli</i>	Ca_Kabuli_Chr03	36150722	(G/A)
4697	CakSNP4697	<i>Kabuli</i>	Ca_Kabuli_Chr03	36150717	(T/C)
4698	CakSNP4698	<i>Kabuli</i>	Ca_Kabuli_Chr03	36164863	(T/G)
4699	CakSNP4699	<i>Kabuli</i>	Ca_Kabuli_Chr03	36164866	(T/C)
4700	CakSNP4700	<i>Kabuli</i>	Ca_Kabuli_Chr03	36165997	(C/G)
4701	CakSNP4701	<i>Kabuli</i>	Ca_Kabuli_Chr03	36167136	(G/T)
4702	CakSNP4702	<i>Kabuli</i>	Ca_Kabuli_Chr03	36175164	(G/A)
4703	CakSNP4703	<i>Kabuli</i>	Ca_Kabuli_Chr03	36177201	(T/C)
4704	CakSNP4704	<i>Kabuli</i>	Ca_Kabuli_Chr03	36205806	(T/G)
4705	CakSNP4705	<i>Kabuli</i>	Ca_Kabuli_Chr03	36205819	(A/G)
4706	CakSNP4706	<i>Kabuli</i>	Ca_Kabuli_Chr03	36205845	(A/G)
4707	CakSNP4707	<i>Kabuli</i>	Ca_Kabuli_Chr03	36206615	(A/C)
4708	CakSNP4708	<i>Kabuli</i>	Ca_Kabuli_Chr03	36212799	(A/T)
4709	CakSNP4709	<i>Kabuli</i>	Ca_Kabuli_Chr03	36212809	(G/A)
4710	CakSNP4710	<i>Kabuli</i>	Ca_Kabuli_Chr03	36212843	(T/A)
4711	CakSNP4711	<i>Kabuli</i>	Ca_Kabuli_Chr03	36217686	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4712	CakSNP4712	<i>Kabuli</i>	Ca_Kabuli_Chr03	36227565	(A/T)
4713	CakSNP4713	<i>Kabuli</i>	Ca_Kabuli_Chr03	36227566	(A/T)
4714	CakSNP4714	<i>Kabuli</i>	Ca_Kabuli_Chr03	36227948	(A/G)
4715	CakSNP4715	<i>Kabuli</i>	Ca_Kabuli_Chr03	36227949	(C/T)
4716	CakSNP4716	<i>Kabuli</i>	Ca_Kabuli_Chr03	36228078	(G/A)
4717	CakSNP4717	<i>Kabuli</i>	Ca_Kabuli_Chr03	36228032	(G/T)
4718	CakSNP4718	<i>Kabuli</i>	Ca_Kabuli_Chr03	36228121	(T/A)
4719	CakSNP4719	<i>Kabuli</i>	Ca_Kabuli_Chr03	36228126	(T/A)
4720	CakSNP4720	<i>Kabuli</i>	Ca_Kabuli_Chr03	36242506	(C/T)
4721	CakSNP4721	<i>Kabuli</i>	Ca_Kabuli_Chr03	36242504	(C/T)
4722	CakSNP4722	<i>Kabuli</i>	Ca_Kabuli_Chr03	36242490	(G/T)
4723	CakSNP4723	<i>Kabuli</i>	Ca_Kabuli_Chr03	36242480	(G/C)
4724	CakSNP4724	<i>Kabuli</i>	Ca_Kabuli_Chr03	36247792	(T/C)
4725	CakSNP4725	<i>Kabuli</i>	Ca_Kabuli_Chr03	36260865	(C/A)
4726	CakSNP4726	<i>Kabuli</i>	Ca_Kabuli_Chr03	36282091	(T/G)
4727	CakSNP4727	<i>Kabuli</i>	Ca_Kabuli_Chr03	36293589	(A/G)
4728	CakSNP4728	<i>Kabuli</i>	Ca_Kabuli_Chr03	36293625	(C/T)
4729	CakSNP4729	<i>Kabuli</i>	Ca_Kabuli_Chr03	36293637	(C/T)
4730	CakSNP4730	<i>Kabuli</i>	Ca_Kabuli_Chr03	36330750	(A/G)
4731	CakSNP4731	<i>Kabuli</i>	Ca_Kabuli_Chr03	36330815	(T/C)
4732	CakSNP4732	<i>Kabuli</i>	Ca_Kabuli_Chr03	36345158	(T/C)
4733	CakSNP4733	<i>Kabuli</i>	Ca_Kabuli_Chr03	36347203	(T/A)
4734	CakSNP4734	<i>Kabuli</i>	Ca_Kabuli_Chr03	36361339	(C/T)
4735	CakSNP4735	<i>Kabuli</i>	Ca_Kabuli_Chr03	36378294	(G/T)
4736	CakSNP4736	<i>Kabuli</i>	Ca_Kabuli_Chr03	36378299	(C/G)
4737	CakSNP4737	<i>Kabuli</i>	Ca_Kabuli_Chr03	36378358	(G/A)
4738	CakSNP4738	<i>Kabuli</i>	Ca_Kabuli_Chr03	36387615	(A/T)
4739	CakSNP4739	<i>Kabuli</i>	Ca_Kabuli_Chr03	36387732	(G/A)
4740	CakSNP4740	<i>Kabuli</i>	Ca_Kabuli_Chr03	36387718	(C/T)
4741	CakSNP4741	<i>Kabuli</i>	Ca_Kabuli_Chr03	36396559	(C/A)
4742	CakSNP4742	<i>Kabuli</i>	Ca_Kabuli_Chr03	36420902	(T/C)
4743	CakSNP4743	<i>Kabuli</i>	Ca_Kabuli_Chr03	36432389	(A/G)
4744	CakSNP4744	<i>Kabuli</i>	Ca_Kabuli_Chr03	36447274	(G/A)
4745	CakSNP4745	<i>Kabuli</i>	Ca_Kabuli_Chr03	36447364	(T/A)
4746	CakSNP4746	<i>Kabuli</i>	Ca_Kabuli_Chr03	36447520	(T/A)
4747	CakSNP4747	<i>Kabuli</i>	Ca_Kabuli_Chr03	36447525	(C/T)
4748	CakSNP4748	<i>Kabuli</i>	Ca_Kabuli_Chr03	36488722	(T/A)
4749	CakSNP4749	<i>Kabuli</i>	Ca_Kabuli_Chr03	36488736	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4750	CakSNP4750	<i>Kabuli</i>	Ca_Kabuli_Chr03	36488853	(A/G)
4751	CakSNP4751	<i>Kabuli</i>	Ca_Kabuli_Chr03	36488890	(A/G)
4752	CakSNP4752	<i>Kabuli</i>	Ca_Kabuli_Chr03	36503906	(C/T)
4753	CakSNP4753	<i>Kabuli</i>	Ca_Kabuli_Chr03	36503912	(T/C)
4754	CakSNP4754	<i>Kabuli</i>	Ca_Kabuli_Chr03	36524598	(G/C)
4755	CakSNP4755	<i>Kabuli</i>	Ca_Kabuli_Chr03	36524635	(A/G)
4756	CakSNP4756	<i>Kabuli</i>	Ca_Kabuli_Chr03	36524659	(T/C)
4757	CakSNP4757	<i>Kabuli</i>	Ca_Kabuli_Chr03	36531151	(C/A)
4758	CakSNP4758	<i>Kabuli</i>	Ca_Kabuli_Chr03	36588856	(C/T)
4759	CakSNP4759	<i>Kabuli</i>	Ca_Kabuli_Chr03	36588896	(C/G)
4760	CakSNP4760	<i>Kabuli</i>	Ca_Kabuli_Chr03	36606527	(G/A)
4761	CakSNP4761	<i>Kabuli</i>	Ca_Kabuli_Chr03	36609043	(G/A)
4762	CakSNP4762	<i>Kabuli</i>	Ca_Kabuli_Chr03	36616855	(T/C)
4763	CakSNP4763	<i>Kabuli</i>	Ca_Kabuli_Chr03	36644117	(A/T)
4764	CakSNP4764	<i>Kabuli</i>	Ca_Kabuli_Chr03	36733097	(G/A)
4765	CakSNP4765	<i>Kabuli</i>	Ca_Kabuli_Chr03	36733157	(A/G)
4766	CakSNP4766	<i>Kabuli</i>	Ca_Kabuli_Chr03	36733211	(A/G)
4767	CakSNP4767	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749775	(T/A)
4768	CakSNP4768	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749826	(G/A)
4769	CakSNP4769	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749829	(T/C)
4770	CakSNP4770	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749831	(T/C)
4771	CakSNP4771	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749871	(T/C)
4772	CakSNP4772	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749904	(C/T)
4773	CakSNP4773	<i>Kabuli</i>	Ca_Kabuli_Chr03	36749916	(C/A)
4774	CakSNP4774	<i>Kabuli</i>	Ca_Kabuli_Chr03	36752689	(T/G)
4775	CakSNP4775	<i>Kabuli</i>	Ca_Kabuli_Chr03	36769775	(G/T)
4776	CakSNP4776	<i>Kabuli</i>	Ca_Kabuli_Chr03	36783494	(T/A)
4777	CakSNP4777	<i>Kabuli</i>	Ca_Kabuli_Chr03	36825463	(T/C)
4778	CakSNP4778	<i>Kabuli</i>	Ca_Kabuli_Chr03	36860134	(A/G)
4779	CakSNP4779	<i>Kabuli</i>	Ca_Kabuli_Chr03	36860246	(T/C)
4780	CakSNP4780	<i>Kabuli</i>	Ca_Kabuli_Chr03	36873720	(T/C)
4781	CakSNP4781	<i>Kabuli</i>	Ca_Kabuli_Chr03	36883268	(T/C)
4782	CakSNP4782	<i>Kabuli</i>	Ca_Kabuli_Chr03	36883333	(A/T)
4783	CakSNP4783	<i>Kabuli</i>	Ca_Kabuli_Chr03	36895362	(T/C)
4784	CakSNP4784	<i>Kabuli</i>	Ca_Kabuli_Chr03	36938148	(A/G)
4785	CakSNP4785	<i>Kabuli</i>	Ca_Kabuli_Chr03	36938271	(G/C)
4786	CakSNP4786	<i>Kabuli</i>	Ca_Kabuli_Chr03	36943522	(A/G)
4787	CakSNP4787	<i>Kabuli</i>	Ca_Kabuli_Chr03	36991718	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4788	CakSNP4788	<i>Kabuli</i>	Ca_Kabuli_Chr03	37003976	(C/T)
4789	CakSNP4789	<i>Kabuli</i>	Ca_Kabuli_Chr03	37004026	(A/G)
4790	CakSNP4790	<i>Kabuli</i>	Ca_Kabuli_Chr03	37022354	(A/G)
4791	CakSNP4791	<i>Kabuli</i>	Ca_Kabuli_Chr03	37034618	(G/A)
4792	CakSNP4792	<i>Kabuli</i>	Ca_Kabuli_Chr03	37067095	(T/G)
4793	CakSNP4793	<i>Kabuli</i>	Ca_Kabuli_Chr03	37072289	(A/G)
4794	CakSNP4794	<i>Kabuli</i>	Ca_Kabuli_Chr03	37072276	(T/G)
4795	CakSNP4795	<i>Kabuli</i>	Ca_Kabuli_Chr03	37072312	(T/C)
4796	CakSNP4796	<i>Kabuli</i>	Ca_Kabuli_Chr03	37077087	(G/T)
4797	CakSNP4797	<i>Kabuli</i>	Ca_Kabuli_Chr03	37090968	(T/C)
4798	CakSNP4798	<i>Kabuli</i>	Ca_Kabuli_Chr03	37091004	(A/G)
4799	CakSNP4799	<i>Kabuli</i>	Ca_Kabuli_Chr03	37094437	(T/C)
4800	CakSNP4800	<i>Kabuli</i>	Ca_Kabuli_Chr03	37100897	(G/T)
4801	CakSNP4801	<i>Kabuli</i>	Ca_Kabuli_Chr03	37101339	(A/T)
4802	CakSNP4802	<i>Kabuli</i>	Ca_Kabuli_Chr03	37101433	(T/G)
4803	CakSNP4803	<i>Kabuli</i>	Ca_Kabuli_Chr03	37101409	(A/G)
4804	CakSNP4804	<i>Kabuli</i>	Ca_Kabuli_Chr03	37108762	(A/G)
4805	CakSNP4805	<i>Kabuli</i>	Ca_Kabuli_Chr03	37108908	(A/G)
4806	CakSNP4806	<i>Kabuli</i>	Ca_Kabuli_Chr03	37108904	(A/T)
4807	CakSNP4807	<i>Kabuli</i>	Ca_Kabuli_Chr03	37108876	(C/A)
4808	CakSNP4808	<i>Kabuli</i>	Ca_Kabuli_Chr03	37110070	(A/G)
4809	CakSNP4809	<i>Kabuli</i>	Ca_Kabuli_Chr03	37110124	(A/T)
4810	CakSNP4810	<i>Kabuli</i>	Ca_Kabuli_Chr03	37146766	(C/G)
4811	CakSNP4811	<i>Kabuli</i>	Ca_Kabuli_Chr03	37146840	(A/G)
4812	CakSNP4812	<i>Kabuli</i>	Ca_Kabuli_Chr03	37154761	(T/G)
4813	CakSNP4813	<i>Kabuli</i>	Ca_Kabuli_Chr03	37154857	(T/C)
4814	CakSNP4814	<i>Kabuli</i>	Ca_Kabuli_Chr03	37154938	(A/C)
4815	CakSNP4815	<i>Kabuli</i>	Ca_Kabuli_Chr03	37154957	(C/A)
4816	CakSNP4816	<i>Kabuli</i>	Ca_Kabuli_Chr03	37155925	(G/A)
4817	CakSNP4817	<i>Kabuli</i>	Ca_Kabuli_Chr03	37156951	(A/G)
4818	CakSNP4818	<i>Kabuli</i>	Ca_Kabuli_Chr03	37160822	(G/T)
4819	CakSNP4819	<i>Kabuli</i>	Ca_Kabuli_Chr03	37160939	(A/G)
4820	CakSNP4820	<i>Kabuli</i>	Ca_Kabuli_Chr03	37164633	(T/C)
4821	CakSNP4821	<i>Kabuli</i>	Ca_Kabuli_Chr03	37170249	(C/T)
4822	CakSNP4822	<i>Kabuli</i>	Ca_Kabuli_Chr03	37271869	(T/C)
4823	CakSNP4823	<i>Kabuli</i>	Ca_Kabuli_Chr03	37300206	(T/G)
4824	CakSNP4824	<i>Kabuli</i>	Ca_Kabuli_Chr03	37303478	(G/A)
4825	CakSNP4825	<i>Kabuli</i>	Ca_Kabuli_Chr03	37308614	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4826	CakSNP4826	<i>Kabuli</i>	Ca_Kabuli_Chr03	37309420	(A/C)
4827	CakSNP4827	<i>Kabuli</i>	Ca_Kabuli_Chr03	37316736	(T/C)
4828	CakSNP4828	<i>Kabuli</i>	Ca_Kabuli_Chr03	37316737	(C/T)
4829	CakSNP4829	<i>Kabuli</i>	Ca_Kabuli_Chr03	37316782	(G/A)
4830	CakSNP4830	<i>Kabuli</i>	Ca_Kabuli_Chr03	37355013	(A/G)
4831	CakSNP4831	<i>Kabuli</i>	Ca_Kabuli_Chr03	37444451	(C/A)
4832	CakSNP4832	<i>Kabuli</i>	Ca_Kabuli_Chr03	37566557	(C/A)
4833	CakSNP4833	<i>Kabuli</i>	Ca_Kabuli_Chr03	37599142	(T/C)
4834	CakSNP4834	<i>Kabuli</i>	Ca_Kabuli_Chr03	37604672	(T/A)
4835	CakSNP4835	<i>Kabuli</i>	Ca_Kabuli_Chr03	37630502	(T/C)
4836	CakSNP4836	<i>Kabuli</i>	Ca_Kabuli_Chr03	37635909	(G/A)
4837	CakSNP4837	<i>Kabuli</i>	Ca_Kabuli_Chr03	37635961	(C/T)
4838	CakSNP4838	<i>Kabuli</i>	Ca_Kabuli_Chr03	37639300	(A/G)
4839	CakSNP4839	<i>Kabuli</i>	Ca_Kabuli_Chr03	37682816	(T/C)
4840	CakSNP4840	<i>Kabuli</i>	Ca_Kabuli_Chr03	37682824	(G/A)
4841	CakSNP4841	<i>Kabuli</i>	Ca_Kabuli_Chr03	37723959	(C/T)
4842	CakSNP4842	<i>Kabuli</i>	Ca_Kabuli_Chr03	37759329	(G/A)
4843	CakSNP4843	<i>Kabuli</i>	Ca_Kabuli_Chr03	37765767	(A/C)
4844	CakSNP4844	<i>Kabuli</i>	Ca_Kabuli_Chr03	37806690	(G/A)
4845	CakSNP4845	<i>Kabuli</i>	Ca_Kabuli_Chr03	37814955	(A/T)
4846	CakSNP4846	<i>Kabuli</i>	Ca_Kabuli_Chr03	37814954	(T/A)
4847	CakSNP4847	<i>Kabuli</i>	Ca_Kabuli_Chr03	37816895	(T/A)
4848	CakSNP4848	<i>Kabuli</i>	Ca_Kabuli_Chr03	37859943	(T/C)
4849	CakSNP4849	<i>Kabuli</i>	Ca_Kabuli_Chr03	37864390	(C/T)
4850	CakSNP4850	<i>Kabuli</i>	Ca_Kabuli_Chr03	37866258	(A/G)
4851	CakSNP4851	<i>Kabuli</i>	Ca_Kabuli_Chr03	37886983	(G/T)
4852	CakSNP4852	<i>Kabuli</i>	Ca_Kabuli_Chr03	37886971	(A/G)
4853	CakSNP4853	<i>Kabuli</i>	Ca_Kabuli_Chr03	37886942	(A/C)
4854	CakSNP4854	<i>Kabuli</i>	Ca_Kabuli_Chr03	37908317	(T/C)
4855	CakSNP4855	<i>Kabuli</i>	Ca_Kabuli_Chr03	37908492	(A/C)
4856	CakSNP4856	<i>Kabuli</i>	Ca_Kabuli_Chr03	37910881	(A/G)
4857	CakSNP4857	<i>Kabuli</i>	Ca_Kabuli_Chr03	37910899	(T/C)
4858	CakSNP4858	<i>Kabuli</i>	Ca_Kabuli_Chr03	37910911	(C/T)
4859	CakSNP4859	<i>Kabuli</i>	Ca_Kabuli_Chr03	37913266	(C/T)
4860	CakSNP4860	<i>Kabuli</i>	Ca_Kabuli_Chr03	37919880	(C/T)
4861	CakSNP4861	<i>Kabuli</i>	Ca_Kabuli_Chr03	37942807	(A/G)
4862	CakSNP4862	<i>Kabuli</i>	Ca_Kabuli_Chr03	37942962	(T/C)
4863	CakSNP4863	<i>Kabuli</i>	Ca_Kabuli_Chr03	37985612	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4864	CakSNP4864	<i>Kabuli</i>	Ca_Kabuli_Chr03	37985652	(C/T)
4865	CakSNP4865	<i>Kabuli</i>	Ca_Kabuli_Chr03	37985776	(T/A)
4866	CakSNP4866	<i>Kabuli</i>	Ca_Kabuli_Chr03	37985977	(A/G)
4867	CakSNP4867	<i>Kabuli</i>	Ca_Kabuli_Chr03	37985947	(A/T)
4868	CakSNP4868	<i>Kabuli</i>	Ca_Kabuli_Chr03	38026470	(G/C)
4869	CakSNP4869	<i>Kabuli</i>	Ca_Kabuli_Chr03	38026539	(A/G)
4870	CakSNP4870	<i>Kabuli</i>	Ca_Kabuli_Chr03	38026734	(G/C)
4871	CakSNP4871	<i>Kabuli</i>	Ca_Kabuli_Chr03	38026725	(G/A)
4872	CakSNP4872	<i>Kabuli</i>	Ca_Kabuli_Chr03	38029095	(G/C)
4873	CakSNP4873	<i>Kabuli</i>	Ca_Kabuli_Chr03	38033965	(G/A)
4874	CakSNP4874	<i>Kabuli</i>	Ca_Kabuli_Chr03	38033969	(A/G)
4875	CakSNP4875	<i>Kabuli</i>	Ca_Kabuli_Chr03	38046510	(T/C)
4876	CakSNP4876	<i>Kabuli</i>	Ca_Kabuli_Chr03	38046575	(A/C)
4877	CakSNP4877	<i>Kabuli</i>	Ca_Kabuli_Chr03	38049996	(A/G)
4878	CakSNP4878	<i>Kabuli</i>	Ca_Kabuli_Chr03	38059303	(T/C)
4879	CakSNP4879	<i>Kabuli</i>	Ca_Kabuli_Chr03	38059311	(T/A)
4880	CakSNP4880	<i>Kabuli</i>	Ca_Kabuli_Chr03	38060814	(A/G)
4881	CakSNP4881	<i>Kabuli</i>	Ca_Kabuli_Chr03	38060755	(T/C)
4882	CakSNP4882	<i>Kabuli</i>	Ca_Kabuli_Chr03	38060742	(C/T)
4883	CakSNP4883	<i>Kabuli</i>	Ca_Kabuli_Chr03	38074259	(C/A)
4884	CakSNP4884	<i>Kabuli</i>	Ca_Kabuli_Chr03	38103375	(T/C)
4885	CakSNP4885	<i>Kabuli</i>	Ca_Kabuli_Chr03	38103378	(C/T)
4886	CakSNP4886	<i>Kabuli</i>	Ca_Kabuli_Chr03	38103381	(C/T)
4887	CakSNP4887	<i>Kabuli</i>	Ca_Kabuli_Chr03	38103385	(C/T)
4888	CakSNP4888	<i>Kabuli</i>	Ca_Kabuli_Chr03	38103524	(C/T)
4889	CakSNP4889	<i>Kabuli</i>	Ca_Kabuli_Chr03	38112801	(C/T)
4890	CakSNP4890	<i>Kabuli</i>	Ca_Kabuli_Chr03	38112802	(T/C)
4891	CakSNP4891	<i>Kabuli</i>	Ca_Kabuli_Chr03	38112971	(A/G)
4892	CakSNP4892	<i>Kabuli</i>	Ca_Kabuli_Chr03	38117169	(T/C)
4893	CakSNP4893	<i>Kabuli</i>	Ca_Kabuli_Chr03	38130415	(T/C)
4894	CakSNP4894	<i>Kabuli</i>	Ca_Kabuli_Chr03	38130410	(A/G)
4895	CakSNP4895	<i>Kabuli</i>	Ca_Kabuli_Chr03	38145115	(C/T)
4896	CakSNP4896	<i>Kabuli</i>	Ca_Kabuli_Chr03	38157519	(T/C)
4897	CakSNP4897	<i>Kabuli</i>	Ca_Kabuli_Chr03	38166074	(A/G)
4898	CakSNP4898	<i>Kabuli</i>	Ca_Kabuli_Chr03	38166881	(C/T)
4899	CakSNP4899	<i>Kabuli</i>	Ca_Kabuli_Chr03	38202223	(C/T)
4900	CakSNP4900	<i>Kabuli</i>	Ca_Kabuli_Chr03	38220910	(T/C)
4901	CakSNP4901	<i>Kabuli</i>	Ca_Kabuli_Chr03	38220949	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4902	CakSNP4902	<i>Kabuli</i>	Ca_Kabuli_Chr03	38220958	(A/G)
4903	CakSNP4903	<i>Kabuli</i>	Ca_Kabuli_Chr03	38222750	(A/C)
4904	CakSNP4904	<i>Kabuli</i>	Ca_Kabuli_Chr03	38222747	(G/A)
4905	CakSNP4905	<i>Kabuli</i>	Ca_Kabuli_Chr03	38222733	(C/G)
4906	CakSNP4906	<i>Kabuli</i>	Ca_Kabuli_Chr03	38228118	(G/T)
4907	CakSNP4907	<i>Kabuli</i>	Ca_Kabuli_Chr03	38237246	(T/G)
4908	CakSNP4908	<i>Kabuli</i>	Ca_Kabuli_Chr03	38251660	(C/A)
4909	CakSNP4909	<i>Kabuli</i>	Ca_Kabuli_Chr03	38253654	(T/C)
4910	CakSNP4910	<i>Kabuli</i>	Ca_Kabuli_Chr03	38258645	(C/A)
4911	CakSNP4911	<i>Kabuli</i>	Ca_Kabuli_Chr03	38264250	(C/T)
4912	CakSNP4912	<i>Kabuli</i>	Ca_Kabuli_Chr03	38294286	(C/A)
4913	CakSNP4913	<i>Kabuli</i>	Ca_Kabuli_Chr03	38296573	(A/G)
4914	CakSNP4914	<i>Kabuli</i>	Ca_Kabuli_Chr03	38315560	(G/T)
4915	CakSNP4915	<i>Kabuli</i>	Ca_Kabuli_Chr03	38321159	(T/C)
4916	CakSNP4916	<i>Kabuli</i>	Ca_Kabuli_Chr03	38321153	(G/T)
4917	CakSNP4917	<i>Kabuli</i>	Ca_Kabuli_Chr03	38386392	(T/C)
4918	CakSNP4918	<i>Kabuli</i>	Ca_Kabuli_Chr03	38424238	(A/T)
4919	CakSNP4919	<i>Kabuli</i>	Ca_Kabuli_Chr03	38452060	(A/C)
4920	CakSNP4920	<i>Kabuli</i>	Ca_Kabuli_Chr03	38465366	(G/A)
4921	CakSNP4921	<i>Kabuli</i>	Ca_Kabuli_Chr03	38465335	(G/A)
4922	CakSNP4922	<i>Kabuli</i>	Ca_Kabuli_Chr03	38465440	(G/A)
4923	CakSNP4923	<i>Kabuli</i>	Ca_Kabuli_Chr03	38496236	(A/G)
4924	CakSNP4924	<i>Kabuli</i>	Ca_Kabuli_Chr03	38501705	(T/C)
4925	CakSNP4925	<i>Kabuli</i>	Ca_Kabuli_Chr03	38539721	(T/G)
4926	CakSNP4926	<i>Kabuli</i>	Ca_Kabuli_Chr03	38551142	(C/T)
4927	CakSNP4927	<i>Kabuli</i>	Ca_Kabuli_Chr03	38555941	(G/A)
4928	CakSNP4928	<i>Kabuli</i>	Ca_Kabuli_Chr03	38555944	(A/G)
4929	CakSNP4929	<i>Kabuli</i>	Ca_Kabuli_Chr03	38592077	(G/A)
4930	CakSNP4930	<i>Kabuli</i>	Ca_Kabuli_Chr03	38624786	(C/T)
4931	CakSNP4931	<i>Kabuli</i>	Ca_Kabuli_Chr03	38624934	(T/C)
4932	CakSNP4932	<i>Kabuli</i>	Ca_Kabuli_Chr03	38672863	(C/A)
4933	CakSNP4933	<i>Kabuli</i>	Ca_Kabuli_Chr03	38704356	(C/T)
4934	CakSNP4934	<i>Kabuli</i>	Ca_Kabuli_Chr03	38728528	(C/T)
4935	CakSNP4935	<i>Kabuli</i>	Ca_Kabuli_Chr03	38728679	(T/C)
4936	CakSNP4936	<i>Kabuli</i>	Ca_Kabuli_Chr03	38731315	(C/T)
4937	CakSNP4937	<i>Kabuli</i>	Ca_Kabuli_Chr03	38731466	(T/G)
4938	CakSNP4938	<i>Kabuli</i>	Ca_Kabuli_Chr03	38764372	(G/A)
4939	CakSNP4939	<i>Kabuli</i>	Ca_Kabuli_Chr03	38764390	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4940	CakSNP4940	<i>Kabuli</i>	Ca_Kabuli_Chr03	38766156	(T/A)
4941	CakSNP4941	<i>Kabuli</i>	Ca_Kabuli_Chr03	38766174	(A/G)
4942	CakSNP4942	<i>Kabuli</i>	Ca_Kabuli_Chr03	38766311	(A/C)
4943	CakSNP4943	<i>Kabuli</i>	Ca_Kabuli_Chr03	38771817	(A/G)
4944	CakSNP4944	<i>Kabuli</i>	Ca_Kabuli_Chr03	38776366	(T/G)
4945	CakSNP4945	<i>Kabuli</i>	Ca_Kabuli_Chr03	38785843	(C/G)
4946	CakSNP4946	<i>Kabuli</i>	Ca_Kabuli_Chr03	38785845	(C/T)
4947	CakSNP4947	<i>Kabuli</i>	Ca_Kabuli_Chr03	38793194	(T/C)
4948	CakSNP4948	<i>Kabuli</i>	Ca_Kabuli_Chr03	38805822	(T/A)
4949	CakSNP4949	<i>Kabuli</i>	Ca_Kabuli_Chr03	38805831	(A/C)
4950	CakSNP4950	<i>Kabuli</i>	Ca_Kabuli_Chr03	38809132	(G/A)
4951	CakSNP4951	<i>Kabuli</i>	Ca_Kabuli_Chr03	38810765	(A/T)
4952	CakSNP4952	<i>Kabuli</i>	Ca_Kabuli_Chr03	38818340	(A/G)
4953	CakSNP4953	<i>Kabuli</i>	Ca_Kabuli_Chr03	38821990	(A/G)
4954	CakSNP4954	<i>Kabuli</i>	Ca_Kabuli_Chr03	38831533	(T/C)
4955	CakSNP4955	<i>Kabuli</i>	Ca_Kabuli_Chr03	38848358	(C/T)
4956	CakSNP4956	<i>Kabuli</i>	Ca_Kabuli_Chr03	38848412	(C/G)
4957	CakSNP4957	<i>Kabuli</i>	Ca_Kabuli_Chr03	38878577	(C/G)
4958	CakSNP4958	<i>Kabuli</i>	Ca_Kabuli_Chr03	38878664	(G/C)
4959	CakSNP4959	<i>Kabuli</i>	Ca_Kabuli_Chr03	38878649	(T/C)
4960	CakSNP4960	<i>Kabuli</i>	Ca_Kabuli_Chr03	38878736	(G/C)
4961	CakSNP4961	<i>Kabuli</i>	Ca_Kabuli_Chr03	38887640	(C/T)
4962	CakSNP4962	<i>Kabuli</i>	Ca_Kabuli_Chr03	38891567	(T/C)
4963	CakSNP4963	<i>Kabuli</i>	Ca_Kabuli_Chr03	38896013	(A/G)
4964	CakSNP4964	<i>Kabuli</i>	Ca_Kabuli_Chr03	38913449	(T/C)
4965	CakSNP4965	<i>Kabuli</i>	Ca_Kabuli_Chr03	38914528	(A/G)
4966	CakSNP4966	<i>Kabuli</i>	Ca_Kabuli_Chr03	38923321	(C/T)
4967	CakSNP4967	<i>Kabuli</i>	Ca_Kabuli_Chr03	38951428	(G/A)
4968	CakSNP4968	<i>Kabuli</i>	Ca_Kabuli_Chr03	38951698	(A/C)
4969	CakSNP4969	<i>Kabuli</i>	Ca_Kabuli_Chr03	38965610	(T/A)
4970	CakSNP4970	<i>Kabuli</i>	Ca_Kabuli_Chr03	38982481	(A/G)
4971	CakSNP4971	<i>Kabuli</i>	Ca_Kabuli_Chr03	38987810	(G/A)
4972	CakSNP4972	<i>Kabuli</i>	Ca_Kabuli_Chr03	38987916	(A/C)
4973	CakSNP4973	<i>Kabuli</i>	Ca_Kabuli_Chr03	39003771	(G/A)
4974	CakSNP4974	<i>Kabuli</i>	Ca_Kabuli_Chr03	39013988	(T/G)
4975	CakSNP4975	<i>Kabuli</i>	Ca_Kabuli_Chr03	39029251	(A/C)
4976	CakSNP4976	<i>Kabuli</i>	Ca_Kabuli_Chr03	39034246	(C/T)
4977	CakSNP4977	<i>Kabuli</i>	Ca_Kabuli_Chr03	39034433	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4978	CakSNP4978	<i>Kabuli</i>	Ca_Kabuli_Chr03	39036130	(T/C)
4979	CakSNP4979	<i>Kabuli</i>	Ca_Kabuli_Chr03	39052024	(T/C)
4980	CakSNP4980	<i>Kabuli</i>	Ca_Kabuli_Chr03	39055529	(C/T)
4981	CakSNP4981	<i>Kabuli</i>	Ca_Kabuli_Chr03	39055455	(T/C)
4982	CakSNP4982	<i>Kabuli</i>	Ca_Kabuli_Chr03	39081040	(A/G)
4983	CakSNP4983	<i>Kabuli</i>	Ca_Kabuli_Chr03	39084916	(T/A)
4984	CakSNP4984	<i>Kabuli</i>	Ca_Kabuli_Chr03	39084979	(A/C)
4985	CakSNP4985	<i>Kabuli</i>	Ca_Kabuli_Chr03	39093242	(G/A)
4986	CakSNP4986	<i>Kabuli</i>	Ca_Kabuli_Chr03	39093243	(C/A)
4987	CakSNP4987	<i>Kabuli</i>	Ca_Kabuli_Chr03	39093245	(T/A)
4988	CakSNP4988	<i>Kabuli</i>	Ca_Kabuli_Chr03	39093215	(G/A)
4989	CakSNP4989	<i>Kabuli</i>	Ca_Kabuli_Chr03	39115274	(A/C)
4990	CakSNP4990	<i>Kabuli</i>	Ca_Kabuli_Chr03	39115986	(C/G)
4991	CakSNP4991	<i>Kabuli</i>	Ca_Kabuli_Chr03	39115979	(A/G)
4992	CakSNP4992	<i>Kabuli</i>	Ca_Kabuli_Chr03	39115972	(T/A)
4993	CakSNP4993	<i>Kabuli</i>	Ca_Kabuli_Chr03	39115970	(T/G)
4994	CakSNP4994	<i>Kabuli</i>	Ca_Kabuli_Chr03	39118510	(C/T)
4995	CakSNP4995	<i>Kabuli</i>	Ca_Kabuli_Chr03	39200823	(C/A)
4996	CakSNP4996	<i>Kabuli</i>	Ca_Kabuli_Chr03	39200847	(A/C)
4997	CakSNP4997	<i>Kabuli</i>	Ca_Kabuli_Chr03	39202479	(G/C)
4998	CakSNP4998	<i>Kabuli</i>	Ca_Kabuli_Chr03	39202481	(A/T)
4999	CakSNP4999	<i>Kabuli</i>	Ca_Kabuli_Chr03	39207112	(A/C)
5000	CakSNP5000	<i>Kabuli</i>	Ca_Kabuli_Chr03	39215327	(C/T)
5001	CakSNP5001	<i>Kabuli</i>	Ca_Kabuli_Chr03	39215476	(G/A)
5002	CakSNP5002	<i>Kabuli</i>	Ca_Kabuli_Chr03	39215558	(C/T)
5003	CakSNP5003	<i>Kabuli</i>	Ca_Kabuli_Chr03	39233774	(A/T)
5004	CakSNP5004	<i>Kabuli</i>	Ca_Kabuli_Chr03	39233852	(A/C)
5005	CakSNP5005	<i>Kabuli</i>	Ca_Kabuli_Chr03	39233885	(A/T)
5006	CakSNP5006	<i>Kabuli</i>	Ca_Kabuli_Chr03	39234161	(A/G)
5007	CakSNP5007	<i>Kabuli</i>	Ca_Kabuli_Chr03	39254527	(T/G)
5008	CakSNP5008	<i>Kabuli</i>	Ca_Kabuli_Chr03	39254532	(C/G)
5009	CakSNP5009	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255721	(A/C)
5010	CakSNP5010	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255715	(G/A)
5011	CakSNP5011	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255713	(C/A)
5012	CakSNP5012	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255709	(A/T)
5013	CakSNP5013	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255729	(C/T)
5014	CakSNP5014	<i>Kabuli</i>	Ca_Kabuli_Chr03	39255792	(C/T)
5015	CakSNP5015	<i>Kabuli</i>	Ca_Kabuli_Chr03	39257226	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5016	CakSNP5016	<i>Kabuli</i>	Ca_Kabuli_Chr03	39258671	(A/C)
5017	CakSNP5017	<i>Kabuli</i>	Ca_Kabuli_Chr03	39265412	(A/C)
5018	CakSNP5018	<i>Kabuli</i>	Ca_Kabuli_Chr03	39289840	(T/A)
5019	CakSNP5019	<i>Kabuli</i>	Ca_Kabuli_Chr03	39303386	(C/G)
5020	CakSNP5020	<i>Kabuli</i>	Ca_Kabuli_Chr03	39303416	(G/T)
5021	CakSNP5021	<i>Kabuli</i>	Ca_Kabuli_Chr03	39303407	(C/A)
5022	CakSNP5022	<i>Kabuli</i>	Ca_Kabuli_Chr03	39323779	(A/G)
5023	CakSNP5023	<i>Kabuli</i>	Ca_Kabuli_Chr03	39326387	(C/T)
5024	CakSNP5024	<i>Kabuli</i>	Ca_Kabuli_Chr03	39405252	(C/A)
5025	CakSNP5025	<i>Kabuli</i>	Ca_Kabuli_Chr03	39405873	(C/G)
5026	CakSNP5026	<i>Kabuli</i>	Ca_Kabuli_Chr03	39472291	(G/C)
5027	CakSNP5027	<i>Kabuli</i>	Ca_Kabuli_Chr03	39481371	(A/C)
5028	CakSNP5028	<i>Kabuli</i>	Ca_Kabuli_Chr03	39485182	(G/A)
5029	CakSNP5029	<i>Kabuli</i>	Ca_Kabuli_Chr03	39504242	(A/G)
5030	CakSNP5030	<i>Kabuli</i>	Ca_Kabuli_Chr03	39515531	(A/G)
5031	CakSNP5031	<i>Kabuli</i>	Ca_Kabuli_Chr03	39515710	(T/A)
5032	CakSNP5032	<i>Kabuli</i>	Ca_Kabuli_Chr03	39519640	(A/G)
5033	CakSNP5033	<i>Kabuli</i>	Ca_Kabuli_Chr03	39556535	(T/A)
5034	CakSNP5034	<i>Kabuli</i>	Ca_Kabuli_Chr03	39587620	(T/G)
5035	CakSNP5035	<i>Kabuli</i>	Ca_Kabuli_Chr03	39592340	(C/T)
5036	CakSNP5036	<i>Kabuli</i>	Ca_Kabuli_Chr03	39612466	(T/C)
5037	CakSNP5037	<i>Kabuli</i>	Ca_Kabuli_Chr03	39612458	(C/A)
5038	CakSNP5038	<i>Kabuli</i>	Ca_Kabuli_Chr03	39612447	(C/A)
5039	CakSNP5039	<i>Kabuli</i>	Ca_Kabuli_Chr03	39612568	(A/T)
5040	CakSNP5040	<i>Kabuli</i>	Ca_Kabuli_Chr03	39628916	(G/A)
5041	CakSNP5041	<i>Kabuli</i>	Ca_Kabuli_Chr03	39698060	(T/C)
5042	CakSNP5042	<i>Kabuli</i>	Ca_Kabuli_Chr03	39701532	(G/A)
5043	CakSNP5043	<i>Kabuli</i>	Ca_Kabuli_Chr03	39722314	(C/T)
5044	CakSNP5044	<i>Kabuli</i>	Ca_Kabuli_Chr03	39731437	(A/C)
5045	CakSNP5045	<i>Kabuli</i>	Ca_Kabuli_Chr03	39787513	(A/C)
5046	CakSNP5046	<i>Kabuli</i>	Ca_Kabuli_Chr03	39787615	(C/T)
5047	CakSNP5047	<i>Kabuli</i>	Ca_Kabuli_Chr03	39787716	(A/C)
5048	CakSNP5048	<i>Kabuli</i>	Ca_Kabuli_Chr03	39791717	(C/T)
5049	CakSNP5049	<i>Kabuli</i>	Ca_Kabuli_Chr03	39793539	(G/A)
5050	CakSNP5050	<i>Kabuli</i>	Ca_Kabuli_Chr03	39794672	(C/T)
5051	CakSNP5051	<i>Kabuli</i>	Ca_Kabuli_Chr03	39794639	(C/G)
5052	CakSNP5052	<i>Kabuli</i>	Ca_Kabuli_Chr03	39801213	(A/G)
5053	CakSNP5053	<i>Kabuli</i>	Ca_Kabuli_Chr03	39801242	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5054	CakSNP5054	<i>Kabuli</i>	Ca_Kabuli_Chr03	39817122	(G/A)
5055	CakSNP5055	<i>Kabuli</i>	Ca_Kabuli_Chr03	39839763	(T/G)
5056	CakSNP5056	<i>Kabuli</i>	Ca_Kabuli_Chr03	39891075	(G/A)
5057	CakSNP5057	<i>Kabuli</i>	Ca_Kabuli_Chr03	39890991	(A/T)
5058	CakSNP5058	<i>Kabuli</i>	Ca_Kabuli_Chr03	39896395	(A/G)
5059	CakSNP5059	<i>Kabuli</i>	Ca_Kabuli_Chr03	39908983	(C/G)
5060	CakSNP5060	<i>Kabuli</i>	Ca_Kabuli_Chr03	39909824	(C/G)
5061	CakSNP5061	<i>Kabuli</i>	Ca_Kabuli_Chr03	39909839	(T/C)
5062	CakSNP5062	<i>Kabuli</i>	Ca_Kabuli_Chr03	39914344	(T/G)
5063	CakSNP5063	<i>Kabuli</i>	Ca_Kabuli_Chr03	39941101	(T/G)
5064	CakSNP5064	<i>Kabuli</i>	Ca_Kabuli_Chr03	39941090	(G/A)
5065	CakSNP5065	<i>Kabuli</i>	Ca_Kabuli_Chr04	20297	(A/G)
5066	CakSNP5066	<i>Kabuli</i>	Ca_Kabuli_Chr04	20495	(G/C)
5067	CakSNP5067	<i>Kabuli</i>	Ca_Kabuli_Chr04	167229	(T/G)
5068	CakSNP5068	<i>Kabuli</i>	Ca_Kabuli_Chr04	228864	(G/A)
5069	CakSNP5069	<i>Kabuli</i>	Ca_Kabuli_Chr04	305558	(C/T)
5070	CakSNP5070	<i>Kabuli</i>	Ca_Kabuli_Chr04	335941	(C/T)
5071	CakSNP5071	<i>Kabuli</i>	Ca_Kabuli_Chr04	336055	(G/A)
5072	CakSNP5072	<i>Kabuli</i>	Ca_Kabuli_Chr04	336050	(T/C)
5073	CakSNP5073	<i>Kabuli</i>	Ca_Kabuli_Chr04	336029	(G/A)
5074	CakSNP5074	<i>Kabuli</i>	Ca_Kabuli_Chr04	338641	(A/G)
5075	CakSNP5075	<i>Kabuli</i>	Ca_Kabuli_Chr04	338721	(C/T)
5076	CakSNP5076	<i>Kabuli</i>	Ca_Kabuli_Chr04	338707	(G/T)
5077	CakSNP5077	<i>Kabuli</i>	Ca_Kabuli_Chr04	349309	(C/T)
5078	CakSNP5078	<i>Kabuli</i>	Ca_Kabuli_Chr04	353069	(C/A)
5079	CakSNP5079	<i>Kabuli</i>	Ca_Kabuli_Chr04	353079	(C/T)
5080	CakSNP5080	<i>Kabuli</i>	Ca_Kabuli_Chr04	353119	(G/A)
5081	CakSNP5081	<i>Kabuli</i>	Ca_Kabuli_Chr04	353120	(C/G)
5082	CakSNP5082	<i>Kabuli</i>	Ca_Kabuli_Chr04	353124	(A/G)
5083	CakSNP5083	<i>Kabuli</i>	Ca_Kabuli_Chr04	353126	(T/G)
5084	CakSNP5084	<i>Kabuli</i>	Ca_Kabuli_Chr04	369258	(C/T)
5085	CakSNP5085	<i>Kabuli</i>	Ca_Kabuli_Chr04	394661	(C/G)
5086	CakSNP5086	<i>Kabuli</i>	Ca_Kabuli_Chr04	411208	(A/C)
5087	CakSNP5087	<i>Kabuli</i>	Ca_Kabuli_Chr04	412017	(C/A)
5088	CakSNP5088	<i>Kabuli</i>	Ca_Kabuli_Chr04	455361	(A/G)
5089	CakSNP5089	<i>Kabuli</i>	Ca_Kabuli_Chr04	459360	(T/C)
5090	CakSNP5090	<i>Kabuli</i>	Ca_Kabuli_Chr04	480138	(C/A)
5091	CakSNP5091	<i>Kabuli</i>	Ca_Kabuli_Chr04	481556	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5092	CakSNP5092	<i>Kabuli</i>	Ca_Kabuli_Chr04	481687	(T/G)
5093	CakSNP5093	<i>Kabuli</i>	Ca_Kabuli_Chr04	504928	(C/A)
5094	CakSNP5094	<i>Kabuli</i>	Ca_Kabuli_Chr04	586273	(A/G)
5095	CakSNP5095	<i>Kabuli</i>	Ca_Kabuli_Chr04	586703	(T/C)
5096	CakSNP5096	<i>Kabuli</i>	Ca_Kabuli_Chr04	589140	(T/C)
5097	CakSNP5097	<i>Kabuli</i>	Ca_Kabuli_Chr04	589191	(A/G)
5098	CakSNP5098	<i>Kabuli</i>	Ca_Kabuli_Chr04	589204	(G/A)
5099	CakSNP5099	<i>Kabuli</i>	Ca_Kabuli_Chr04	589220	(A/C)
5100	CakSNP5100	<i>Kabuli</i>	Ca_Kabuli_Chr04	589224	(T/C)
5101	CakSNP5101	<i>Kabuli</i>	Ca_Kabuli_Chr04	595982	(C/G)
5102	CakSNP5102	<i>Kabuli</i>	Ca_Kabuli_Chr04	613150	(G/A)
5103	CakSNP5103	<i>Kabuli</i>	Ca_Kabuli_Chr04	613166	(A/G)
5104	CakSNP5104	<i>Kabuli</i>	Ca_Kabuli_Chr04	645103	(T/A)
5105	CakSNP5105	<i>Kabuli</i>	Ca_Kabuli_Chr04	645075	(T/A)
5106	CakSNP5106	<i>Kabuli</i>	Ca_Kabuli_Chr04	646567	(C/T)
5107	CakSNP5107	<i>Kabuli</i>	Ca_Kabuli_Chr04	646576	(A/G)
5108	CakSNP5108	<i>Kabuli</i>	Ca_Kabuli_Chr04	651040	(C/T)
5109	CakSNP5109	<i>Kabuli</i>	Ca_Kabuli_Chr04	660034	(A/C)
5110	CakSNP5110	<i>Kabuli</i>	Ca_Kabuli_Chr04	660029	(T/G)
5111	CakSNP5111	<i>Kabuli</i>	Ca_Kabuli_Chr04	703978	(A/T)
5112	CakSNP5112	<i>Kabuli</i>	Ca_Kabuli_Chr04	703975	(G/T)
5113	CakSNP5113	<i>Kabuli</i>	Ca_Kabuli_Chr04	704009	(G/A)
5114	CakSNP5114	<i>Kabuli</i>	Ca_Kabuli_Chr04	705336	(T/G)
5115	CakSNP5115	<i>Kabuli</i>	Ca_Kabuli_Chr04	783302	(C/T)
5116	CakSNP5116	<i>Kabuli</i>	Ca_Kabuli_Chr04	783382	(G/T)
5117	CakSNP5117	<i>Kabuli</i>	Ca_Kabuli_Chr04	827630	(T/C)
5118	CakSNP5118	<i>Kabuli</i>	Ca_Kabuli_Chr04	848192	(G/A)
5119	CakSNP5119	<i>Kabuli</i>	Ca_Kabuli_Chr04	913689	(A/G)
5120	CakSNP5120	<i>Kabuli</i>	Ca_Kabuli_Chr04	951389	(T/G)
5121	CakSNP5121	<i>Kabuli</i>	Ca_Kabuli_Chr04	951390	(G/A)
5122	CakSNP5122	<i>Kabuli</i>	Ca_Kabuli_Chr04	1035328	(G/C)
5123	CakSNP5123	<i>Kabuli</i>	Ca_Kabuli_Chr04	1047639	(G/T)
5124	CakSNP5124	<i>Kabuli</i>	Ca_Kabuli_Chr04	1065107	(C/T)
5125	CakSNP5125	<i>Kabuli</i>	Ca_Kabuli_Chr04	1065245	(A/G)
5126	CakSNP5126	<i>Kabuli</i>	Ca_Kabuli_Chr04	1189997	(C/T)
5127	CakSNP5127	<i>Kabuli</i>	Ca_Kabuli_Chr04	1190007	(C/G)
5128	CakSNP5128	<i>Kabuli</i>	Ca_Kabuli_Chr04	1190038	(G/T)
5129	CakSNP5129	<i>Kabuli</i>	Ca_Kabuli_Chr04	1190208	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5130	CakSNP5130	<i>Kabuli</i>	Ca_Kabuli_Chr04	1190184	(A/C)
5131	CakSNP5131	<i>Kabuli</i>	Ca_Kabuli_Chr04	1190158	(T/G)
5132	CakSNP5132	<i>Kabuli</i>	Ca_Kabuli_Chr04	1259917	(G/T)
5133	CakSNP5133	<i>Kabuli</i>	Ca_Kabuli_Chr04	1259915	(T/G)
5134	CakSNP5134	<i>Kabuli</i>	Ca_Kabuli_Chr04	1264361	(T/C)
5135	CakSNP5135	<i>Kabuli</i>	Ca_Kabuli_Chr04	1266175	(A/G)
5136	CakSNP5136	<i>Kabuli</i>	Ca_Kabuli_Chr04	1266174	(C/T)
5137	CakSNP5137	<i>Kabuli</i>	Ca_Kabuli_Chr04	1283369	(A/G)
5138	CakSNP5138	<i>Kabuli</i>	Ca_Kabuli_Chr04	1344151	(T/C)
5139	CakSNP5139	<i>Kabuli</i>	Ca_Kabuli_Chr04	1396281	(G/C)
5140	CakSNP5140	<i>Kabuli</i>	Ca_Kabuli_Chr04	1396425	(C/A)
5141	CakSNP5141	<i>Kabuli</i>	Ca_Kabuli_Chr04	1474771	(T/C)
5142	CakSNP5142	<i>Kabuli</i>	Ca_Kabuli_Chr04	1474898	(A/G)
5143	CakSNP5143	<i>Kabuli</i>	Ca_Kabuli_Chr04	1474922	(G/T)
5144	CakSNP5144	<i>Kabuli</i>	Ca_Kabuli_Chr04	1493927	(T/C)
5145	CakSNP5145	<i>Kabuli</i>	Ca_Kabuli_Chr04	1513664	(T/A)
5146	CakSNP5146	<i>Kabuli</i>	Ca_Kabuli_Chr04	1526270	(T/C)
5147	CakSNP5147	<i>Kabuli</i>	Ca_Kabuli_Chr04	1526731	(T/G)
5148	CakSNP5148	<i>Kabuli</i>	Ca_Kabuli_Chr04	1613153	(G/A)
5149	CakSNP5149	<i>Kabuli</i>	Ca_Kabuli_Chr04	1613193	(G/A)
5150	CakSNP5150	<i>Kabuli</i>	Ca_Kabuli_Chr04	1613303	(G/A)
5151	CakSNP5151	<i>Kabuli</i>	Ca_Kabuli_Chr04	1687346	(A/G)
5152	CakSNP5152	<i>Kabuli</i>	Ca_Kabuli_Chr04	1691555	(T/G)
5153	CakSNP5153	<i>Kabuli</i>	Ca_Kabuli_Chr04	1708370	(C/T)
5154	CakSNP5154	<i>Kabuli</i>	Ca_Kabuli_Chr04	1711864	(A/C)
5155	CakSNP5155	<i>Kabuli</i>	Ca_Kabuli_Chr04	1711865	(G/A)
5156	CakSNP5156	<i>Kabuli</i>	Ca_Kabuli_Chr04	1720544	(A/C)
5157	CakSNP5157	<i>Kabuli</i>	Ca_Kabuli_Chr04	1720658	(A/G)
5158	CakSNP5158	<i>Kabuli</i>	Ca_Kabuli_Chr04	1720642	(A/G)
5159	CakSNP5159	<i>Kabuli</i>	Ca_Kabuli_Chr04	1720619	(A/C)
5160	CakSNP5160	<i>Kabuli</i>	Ca_Kabuli_Chr04	1742468	(C/T)
5161	CakSNP5161	<i>Kabuli</i>	Ca_Kabuli_Chr04	1747181	(A/T)
5162	CakSNP5162	<i>Kabuli</i>	Ca_Kabuli_Chr04	1754555	(C/T)
5163	CakSNP5163	<i>Kabuli</i>	Ca_Kabuli_Chr04	1755066	(G/C)
5164	CakSNP5164	<i>Kabuli</i>	Ca_Kabuli_Chr04	1773886	(C/G)
5165	CakSNP5165	<i>Kabuli</i>	Ca_Kabuli_Chr04	1773939	(C/T)
5166	CakSNP5166	<i>Kabuli</i>	Ca_Kabuli_Chr04	1773951	(C/G)
5167	CakSNP5167	<i>Kabuli</i>	Ca_Kabuli_Chr04	1785705	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5168	CakSNP5168	<i>Kabuli</i>	Ca_Kabuli_Chr04	1785680	(C/T)
5169	CakSNP5169	<i>Kabuli</i>	Ca_Kabuli_Chr04	1807484	(G/A)
5170	CakSNP5170	<i>Kabuli</i>	Ca_Kabuli_Chr04	1817779	(G/C)
5171	CakSNP5171	<i>Kabuli</i>	Ca_Kabuli_Chr04	1833570	(T/C)
5172	CakSNP5172	<i>Kabuli</i>	Ca_Kabuli_Chr04	1833678	(A/G)
5173	CakSNP5173	<i>Kabuli</i>	Ca_Kabuli_Chr04	1833725	(C/T)
5174	CakSNP5174	<i>Kabuli</i>	Ca_Kabuli_Chr04	1845301	(G/A)
5175	CakSNP5175	<i>Kabuli</i>	Ca_Kabuli_Chr04	1867921	(G/A)
5176	CakSNP5176	<i>Kabuli</i>	Ca_Kabuli_Chr04	1869577	(C/T)
5177	CakSNP5177	<i>Kabuli</i>	Ca_Kabuli_Chr04	1870333	(A/G)
5178	CakSNP5178	<i>Kabuli</i>	Ca_Kabuli_Chr04	1870317	(T/C)
5179	CakSNP5179	<i>Kabuli</i>	Ca_Kabuli_Chr04	1870666	(G/C)
5180	CakSNP5180	<i>Kabuli</i>	Ca_Kabuli_Chr04	1870806	(C/A)
5181	CakSNP5181	<i>Kabuli</i>	Ca_Kabuli_Chr04	1870802	(C/T)
5182	CakSNP5182	<i>Kabuli</i>	Ca_Kabuli_Chr04	1873733	(T/C)
5183	CakSNP5183	<i>Kabuli</i>	Ca_Kabuli_Chr04	1890220	(G/C)
5184	CakSNP5184	<i>Kabuli</i>	Ca_Kabuli_Chr04	1941001	(T/G)
5185	CakSNP5185	<i>Kabuli</i>	Ca_Kabuli_Chr04	1941089	(C/T)
5186	CakSNP5186	<i>Kabuli</i>	Ca_Kabuli_Chr04	1970471	(A/C)
5187	CakSNP5187	<i>Kabuli</i>	Ca_Kabuli_Chr04	1973375	(A/C)
5188	CakSNP5188	<i>Kabuli</i>	Ca_Kabuli_Chr04	2009707	(A/G)
5189	CakSNP5189	<i>Kabuli</i>	Ca_Kabuli_Chr04	2025214	(A/C)
5190	CakSNP5190	<i>Kabuli</i>	Ca_Kabuli_Chr04	2027063	(G/A)
5191	CakSNP5191	<i>Kabuli</i>	Ca_Kabuli_Chr04	2027101	(T/A)
5192	CakSNP5192	<i>Kabuli</i>	Ca_Kabuli_Chr04	2034429	(C/A)
5193	CakSNP5193	<i>Kabuli</i>	Ca_Kabuli_Chr04	2034398	(C/T)
5194	CakSNP5194	<i>Kabuli</i>	Ca_Kabuli_Chr04	2034396	(A/G)
5195	CakSNP5195	<i>Kabuli</i>	Ca_Kabuli_Chr04	2034739	(A/C)
5196	CakSNP5196	<i>Kabuli</i>	Ca_Kabuli_Chr04	2035797	(G/A)
5197	CakSNP5197	<i>Kabuli</i>	Ca_Kabuli_Chr04	2035801	(G/A)
5198	CakSNP5198	<i>Kabuli</i>	Ca_Kabuli_Chr04	2035841	(C/T)
5199	CakSNP5199	<i>Kabuli</i>	Ca_Kabuli_Chr04	2035894	(C/A)
5200	CakSNP5200	<i>Kabuli</i>	Ca_Kabuli_Chr04	2051684	(T/C)
5201	CakSNP5201	<i>Kabuli</i>	Ca_Kabuli_Chr04	2051642	(G/C)
5202	CakSNP5202	<i>Kabuli</i>	Ca_Kabuli_Chr04	2060244	(G/A)
5203	CakSNP5203	<i>Kabuli</i>	Ca_Kabuli_Chr04	2060262	(C/T)
5204	CakSNP5204	<i>Kabuli</i>	Ca_Kabuli_Chr04	2113564	(A/G)
5205	CakSNP5205	<i>Kabuli</i>	Ca_Kabuli_Chr04	2125774	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5206	CakSNP5206	<i>Kabuli</i>	Ca_Kabuli_Chr04	2143155	(A/G)
5207	CakSNP5207	<i>Kabuli</i>	Ca_Kabuli_Chr04	2213710	(G/A)
5208	CakSNP5208	<i>Kabuli</i>	Ca_Kabuli_Chr04	2238480	(A/T)
5209	CakSNP5209	<i>Kabuli</i>	Ca_Kabuli_Chr04	2270360	(T/C)
5210	CakSNP5210	<i>Kabuli</i>	Ca_Kabuli_Chr04	2277421	(A/T)
5211	CakSNP5211	<i>Kabuli</i>	Ca_Kabuli_Chr04	2311977	(A/G)
5212	CakSNP5212	<i>Kabuli</i>	Ca_Kabuli_Chr04	2313969	(G/A)
5213	CakSNP5213	<i>Kabuli</i>	Ca_Kabuli_Chr04	2361088	(T/A)
5214	CakSNP5214	<i>Kabuli</i>	Ca_Kabuli_Chr04	2380206	(A/G)
5215	CakSNP5215	<i>Kabuli</i>	Ca_Kabuli_Chr04	2393033	(T/G)
5216	CakSNP5216	<i>Kabuli</i>	Ca_Kabuli_Chr04	2396883	(A/G)
5217	CakSNP5217	<i>Kabuli</i>	Ca_Kabuli_Chr04	2411925	(G/T)
5218	CakSNP5218	<i>Kabuli</i>	Ca_Kabuli_Chr04	2422087	(A/G)
5219	CakSNP5219	<i>Kabuli</i>	Ca_Kabuli_Chr04	2422092	(G/A)
5220	CakSNP5220	<i>Kabuli</i>	Ca_Kabuli_Chr04	2422949	(C/T)
5221	CakSNP5221	<i>Kabuli</i>	Ca_Kabuli_Chr04	2463064	(A/G)
5222	CakSNP5222	<i>Kabuli</i>	Ca_Kabuli_Chr04	2463038	(T/C)
5223	CakSNP5223	<i>Kabuli</i>	Ca_Kabuli_Chr04	2492726	(A/G)
5224	CakSNP5224	<i>Kabuli</i>	Ca_Kabuli_Chr04	2493195	(T/C)
5225	CakSNP5225	<i>Kabuli</i>	Ca_Kabuli_Chr04	2494101	(C/A)
5226	CakSNP5226	<i>Kabuli</i>	Ca_Kabuli_Chr04	2494140	(C/A)
5227	CakSNP5227	<i>Kabuli</i>	Ca_Kabuli_Chr04	2499257	(A/C)
5228	CakSNP5228	<i>Kabuli</i>	Ca_Kabuli_Chr04	2562541	(G/C)
5229	CakSNP5229	<i>Kabuli</i>	Ca_Kabuli_Chr04	2564500	(T/A)
5230	CakSNP5230	<i>Kabuli</i>	Ca_Kabuli_Chr04	2609945	(C/T)
5231	CakSNP5231	<i>Kabuli</i>	Ca_Kabuli_Chr04	2676174	(C/T)
5232	CakSNP5232	<i>Kabuli</i>	Ca_Kabuli_Chr04	2740041	(T/G)
5233	CakSNP5233	<i>Kabuli</i>	Ca_Kabuli_Chr04	2740068	(A/T)
5234	CakSNP5234	<i>Kabuli</i>	Ca_Kabuli_Chr04	2740065	(A/G)
5235	CakSNP5235	<i>Kabuli</i>	Ca_Kabuli_Chr04	2752538	(G/A)
5236	CakSNP5236	<i>Kabuli</i>	Ca_Kabuli_Chr04	2752568	(C/T)
5237	CakSNP5237	<i>Kabuli</i>	Ca_Kabuli_Chr04	2886775	(T/G)
5238	CakSNP5238	<i>Kabuli</i>	Ca_Kabuli_Chr04	2886863	(C/T)
5239	CakSNP5239	<i>Kabuli</i>	Ca_Kabuli_Chr04	2978875	(T/C)
5240	CakSNP5240	<i>Kabuli</i>	Ca_Kabuli_Chr04	2978876	(T/G)
5241	CakSNP5241	<i>Kabuli</i>	Ca_Kabuli_Chr04	2978882	(G/T)
5242	CakSNP5242	<i>Kabuli</i>	Ca_Kabuli_Chr04	2978932	(A/C)
5243	CakSNP5243	<i>Kabuli</i>	Ca_Kabuli_Chr04	2978931	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5244	CakSNP5244	<i>Kabuli</i>	Ca_Kabuli_Chr04	3002755	(A/G)
5245	CakSNP5245	<i>Kabuli</i>	Ca_Kabuli_Chr04	3002810	(T/C)
5246	CakSNP5246	<i>Kabuli</i>	Ca_Kabuli_Chr04	3037899	(A/C)
5247	CakSNP5247	<i>Kabuli</i>	Ca_Kabuli_Chr04	3037986	(T/A)
5248	CakSNP5248	<i>Kabuli</i>	Ca_Kabuli_Chr04	3037929	(T/G)
5249	CakSNP5249	<i>Kabuli</i>	Ca_Kabuli_Chr04	3038022	(C/T)
5250	CakSNP5250	<i>Kabuli</i>	Ca_Kabuli_Chr04	3046920	(A/G)
5251	CakSNP5251	<i>Kabuli</i>	Ca_Kabuli_Chr04	3144454	(T/C)
5252	CakSNP5252	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158321	(A/G)
5253	CakSNP5253	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158323	(T/G)
5254	CakSNP5254	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158328	(G/T)
5255	CakSNP5255	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158331	(A/T)
5256	CakSNP5256	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158426	(G/A)
5257	CakSNP5257	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158504	(A/T)
5258	CakSNP5258	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158506	(T/C)
5259	CakSNP5259	<i>Kabuli</i>	Ca_Kabuli_Chr04	3158549	(A/G)
5260	CakSNP5260	<i>Kabuli</i>	Ca_Kabuli_Chr04	3164115	(G/A)
5261	CakSNP5261	<i>Kabuli</i>	Ca_Kabuli_Chr04	3164083	(G/A)
5262	CakSNP5262	<i>Kabuli</i>	Ca_Kabuli_Chr04	3166657	(C/T)
5263	CakSNP5263	<i>Kabuli</i>	Ca_Kabuli_Chr04	3166663	(C/T)
5264	CakSNP5264	<i>Kabuli</i>	Ca_Kabuli_Chr04	3166674	(G/T)
5265	CakSNP5265	<i>Kabuli</i>	Ca_Kabuli_Chr04	3171162	(G/A)
5266	CakSNP5266	<i>Kabuli</i>	Ca_Kabuli_Chr04	3171384	(T/G)
5267	CakSNP5267	<i>Kabuli</i>	Ca_Kabuli_Chr04	3171385	(A/G)
5268	CakSNP5268	<i>Kabuli</i>	Ca_Kabuli_Chr04	3171428	(T/C)
5269	CakSNP5269	<i>Kabuli</i>	Ca_Kabuli_Chr04	3171551	(C/T)
5270	CakSNP5270	<i>Kabuli</i>	Ca_Kabuli_Chr04	3264351	(T/C)
5271	CakSNP5271	<i>Kabuli</i>	Ca_Kabuli_Chr04	3280147	(G/A)
5272	CakSNP5272	<i>Kabuli</i>	Ca_Kabuli_Chr04	3280217	(A/G)
5273	CakSNP5273	<i>Kabuli</i>	Ca_Kabuli_Chr04	3281050	(T/G)
5274	CakSNP5274	<i>Kabuli</i>	Ca_Kabuli_Chr04	3290298	(T/G)
5275	CakSNP5275	<i>Kabuli</i>	Ca_Kabuli_Chr04	3353106	(T/C)
5276	CakSNP5276	<i>Kabuli</i>	Ca_Kabuli_Chr04	3356252	(C/G)
5277	CakSNP5277	<i>Kabuli</i>	Ca_Kabuli_Chr04	3356242	(C/G)
5278	CakSNP5278	<i>Kabuli</i>	Ca_Kabuli_Chr04	3400828	(G/C)
5279	CakSNP5279	<i>Kabuli</i>	Ca_Kabuli_Chr04	3427396	(A/G)
5280	CakSNP5280	<i>Kabuli</i>	Ca_Kabuli_Chr04	3429035	(G/A)
5281	CakSNP5281	<i>Kabuli</i>	Ca_Kabuli_Chr04	3429059	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5282	CakSNP5282	<i>Kabuli</i>	Ca_Kabuli_Chr04	3455029	(T/C)
5283	CakSNP5283	<i>Kabuli</i>	Ca_Kabuli_Chr04	3455047	(G/A)
5284	CakSNP5284	<i>Kabuli</i>	Ca_Kabuli_Chr04	3456450	(G/T)
5285	CakSNP5285	<i>Kabuli</i>	Ca_Kabuli_Chr04	3456501	(C/T)
5286	CakSNP5286	<i>Kabuli</i>	Ca_Kabuli_Chr04	3483687	(A/C)
5287	CakSNP5287	<i>Kabuli</i>	Ca_Kabuli_Chr04	3627810	(G/T)
5288	CakSNP5288	<i>Kabuli</i>	Ca_Kabuli_Chr04	3642051	(A/T)
5289	CakSNP5289	<i>Kabuli</i>	Ca_Kabuli_Chr04	3642070	(T/C)
5290	CakSNP5290	<i>Kabuli</i>	Ca_Kabuli_Chr04	3642116	(A/T)
5291	CakSNP5291	<i>Kabuli</i>	Ca_Kabuli_Chr04	3689840	(T/C)
5292	CakSNP5292	<i>Kabuli</i>	Ca_Kabuli_Chr04	3689871	(G/A)
5293	CakSNP5293	<i>Kabuli</i>	Ca_Kabuli_Chr04	3739386	(C/A)
5294	CakSNP5294	<i>Kabuli</i>	Ca_Kabuli_Chr04	3741522	(T/G)
5295	CakSNP5295	<i>Kabuli</i>	Ca_Kabuli_Chr04	3741539	(T/G)
5296	CakSNP5296	<i>Kabuli</i>	Ca_Kabuli_Chr04	3752141	(C/G)
5297	CakSNP5297	<i>Kabuli</i>	Ca_Kabuli_Chr04	3762559	(T/C)
5298	CakSNP5298	<i>Kabuli</i>	Ca_Kabuli_Chr04	3762561	(C/A)
5299	CakSNP5299	<i>Kabuli</i>	Ca_Kabuli_Chr04	3762585	(G/T)
5300	CakSNP5300	<i>Kabuli</i>	Ca_Kabuli_Chr04	3794764	(G/A)
5301	CakSNP5301	<i>Kabuli</i>	Ca_Kabuli_Chr04	3794885	(C/A)
5302	CakSNP5302	<i>Kabuli</i>	Ca_Kabuli_Chr04	3885444	(G/C)
5303	CakSNP5303	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888010	(G/C)
5304	CakSNP5304	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888053	(C/A)
5305	CakSNP5305	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888164	(T/A)
5306	CakSNP5306	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888185	(A/G)
5307	CakSNP5307	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888236	(A/G)
5308	CakSNP5308	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888328	(C/T)
5309	CakSNP5309	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888462	(T/C)
5310	CakSNP5310	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888510	(G/A)
5311	CakSNP5311	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888514	(G/A)
5312	CakSNP5312	<i>Kabuli</i>	Ca_Kabuli_Chr04	3888529	(T/G)
5313	CakSNP5313	<i>Kabuli</i>	Ca_Kabuli_Chr04	3890556	(A/G)
5314	CakSNP5314	<i>Kabuli</i>	Ca_Kabuli_Chr04	3890709	(A/G)
5315	CakSNP5315	<i>Kabuli</i>	Ca_Kabuli_Chr04	3990810	(C/G)
5316	CakSNP5316	<i>Kabuli</i>	Ca_Kabuli_Chr04	3990809	(G/A)
5317	CakSNP5317	<i>Kabuli</i>	Ca_Kabuli_Chr04	4002917	(T/C)
5318	CakSNP5318	<i>Kabuli</i>	Ca_Kabuli_Chr04	4006213	(A/C)
5319	CakSNP5319	<i>Kabuli</i>	Ca_Kabuli_Chr04	4027829	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5320	CakSNP5320	<i>Kabuli</i>	Ca_Kabuli_Chr04	4027872	(A/C)
5321	CakSNP5321	<i>Kabuli</i>	Ca_Kabuli_Chr04	4097989	(G/A)
5322	CakSNP5322	<i>Kabuli</i>	Ca_Kabuli_Chr04	4097935	(T/C)
5323	CakSNP5323	<i>Kabuli</i>	Ca_Kabuli_Chr04	4116386	(G/C)
5324	CakSNP5324	<i>Kabuli</i>	Ca_Kabuli_Chr04	4148061	(T/C)
5325	CakSNP5325	<i>Kabuli</i>	Ca_Kabuli_Chr04	4148250	(A/G)
5326	CakSNP5326	<i>Kabuli</i>	Ca_Kabuli_Chr04	4154417	(A/C)
5327	CakSNP5327	<i>Kabuli</i>	Ca_Kabuli_Chr04	4154507	(G/T)
5328	CakSNP5328	<i>Kabuli</i>	Ca_Kabuli_Chr04	4229295	(T/A)
5329	CakSNP5329	<i>Kabuli</i>	Ca_Kabuli_Chr04	4229345	(C/T)
5330	CakSNP5330	<i>Kabuli</i>	Ca_Kabuli_Chr04	4229381	(T/C)
5331	CakSNP5331	<i>Kabuli</i>	Ca_Kabuli_Chr04	4229371	(C/T)
5332	CakSNP5332	<i>Kabuli</i>	Ca_Kabuli_Chr04	4255863	(T/G)
5333	CakSNP5333	<i>Kabuli</i>	Ca_Kabuli_Chr04	4256023	(C/T)
5334	CakSNP5334	<i>Kabuli</i>	Ca_Kabuli_Chr04	4258002	(A/G)
5335	CakSNP5335	<i>Kabuli</i>	Ca_Kabuli_Chr04	4258149	(A/G)
5336	CakSNP5336	<i>Kabuli</i>	Ca_Kabuli_Chr04	4305891	(A/C)
5337	CakSNP5337	<i>Kabuli</i>	Ca_Kabuli_Chr04	4320615	(C/T)
5338	CakSNP5338	<i>Kabuli</i>	Ca_Kabuli_Chr04	4320743	(A/G)
5339	CakSNP5339	<i>Kabuli</i>	Ca_Kabuli_Chr04	4327268	(A/G)
5340	CakSNP5340	<i>Kabuli</i>	Ca_Kabuli_Chr04	4334307	(T/G)
5341	CakSNP5341	<i>Kabuli</i>	Ca_Kabuli_Chr04	4343586	(C/T)
5342	CakSNP5342	<i>Kabuli</i>	Ca_Kabuli_Chr04	4343540	(C/A)
5343	CakSNP5343	<i>Kabuli</i>	Ca_Kabuli_Chr04	4410351	(T/C)
5344	CakSNP5344	<i>Kabuli</i>	Ca_Kabuli_Chr04	4426659	(C/T)
5345	CakSNP5345	<i>Kabuli</i>	Ca_Kabuli_Chr04	4426760	(T/C)
5346	CakSNP5346	<i>Kabuli</i>	Ca_Kabuli_Chr04	4435621	(T/C)
5347	CakSNP5347	<i>Kabuli</i>	Ca_Kabuli_Chr04	4451928	(T/C)
5348	CakSNP5348	<i>Kabuli</i>	Ca_Kabuli_Chr04	4452018	(T/A)
5349	CakSNP5349	<i>Kabuli</i>	Ca_Kabuli_Chr04	4452380	(C/G)
5350	CakSNP5350	<i>Kabuli</i>	Ca_Kabuli_Chr04	4454305	(A/C)
5351	CakSNP5351	<i>Kabuli</i>	Ca_Kabuli_Chr04	4454464	(A/G)
5352	CakSNP5352	<i>Kabuli</i>	Ca_Kabuli_Chr04	4461562	(G/C)
5353	CakSNP5353	<i>Kabuli</i>	Ca_Kabuli_Chr04	4468394	(C/T)
5354	CakSNP5354	<i>Kabuli</i>	Ca_Kabuli_Chr04	4536310	(A/G)
5355	CakSNP5355	<i>Kabuli</i>	Ca_Kabuli_Chr04	4536286	(G/C)
5356	CakSNP5356	<i>Kabuli</i>	Ca_Kabuli_Chr04	4578836	(C/T)
5357	CakSNP5357	<i>Kabuli</i>	Ca_Kabuli_Chr04	4579274	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5358	CakSNP5358	<i>Kabuli</i>	Ca_Kabuli_Chr04	4605340	(A/C)
5359	CakSNP5359	<i>Kabuli</i>	Ca_Kabuli_Chr04	4622932	(T/G)
5360	CakSNP5360	<i>Kabuli</i>	Ca_Kabuli_Chr04	4622913	(C/T)
5361	CakSNP5361	<i>Kabuli</i>	Ca_Kabuli_Chr04	4628221	(T/G)
5362	CakSNP5362	<i>Kabuli</i>	Ca_Kabuli_Chr04	4628232	(G/A)
5363	CakSNP5363	<i>Kabuli</i>	Ca_Kabuli_Chr04	4628240	(C/T)
5364	CakSNP5364	<i>Kabuli</i>	Ca_Kabuli_Chr04	4628243	(G/A)
5365	CakSNP5365	<i>Kabuli</i>	Ca_Kabuli_Chr04	4628309	(C/T)
5366	CakSNP5366	<i>Kabuli</i>	Ca_Kabuli_Chr04	4630407	(G/A)
5367	CakSNP5367	<i>Kabuli</i>	Ca_Kabuli_Chr04	4630419	(A/C)
5368	CakSNP5368	<i>Kabuli</i>	Ca_Kabuli_Chr04	4630514	(T/C)
5369	CakSNP5369	<i>Kabuli</i>	Ca_Kabuli_Chr04	4633913	(T/G)
5370	CakSNP5370	<i>Kabuli</i>	Ca_Kabuli_Chr04	4634542	(A/T)
5371	CakSNP5371	<i>Kabuli</i>	Ca_Kabuli_Chr04	4660220	(A/G)
5372	CakSNP5372	<i>Kabuli</i>	Ca_Kabuli_Chr04	4670913	(A/G)
5373	CakSNP5373	<i>Kabuli</i>	Ca_Kabuli_Chr04	4670975	(C/A)
5374	CakSNP5374	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675182	(T/G)
5375	CakSNP5375	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675177	(T/A)
5376	CakSNP5376	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675176	(T/G)
5377	CakSNP5377	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675172	(T/A)
5378	CakSNP5378	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675171	(T/A)
5379	CakSNP5379	<i>Kabuli</i>	Ca_Kabuli_Chr04	4675166	(A/T)
5380	CakSNP5380	<i>Kabuli</i>	Ca_Kabuli_Chr04	4679236	(A/G)
5381	CakSNP5381	<i>Kabuli</i>	Ca_Kabuli_Chr04	4707682	(A/G)
5382	CakSNP5382	<i>Kabuli</i>	Ca_Kabuli_Chr04	4722348	(G/A)
5383	CakSNP5383	<i>Kabuli</i>	Ca_Kabuli_Chr04	4757357	(T/C)
5384	CakSNP5384	<i>Kabuli</i>	Ca_Kabuli_Chr04	4757416	(G/A)
5385	CakSNP5385	<i>Kabuli</i>	Ca_Kabuli_Chr04	4757498	(C/G)
5386	CakSNP5386	<i>Kabuli</i>	Ca_Kabuli_Chr04	4794122	(G/A)
5387	CakSNP5387	<i>Kabuli</i>	Ca_Kabuli_Chr04	4794192	(G/C)
5388	CakSNP5388	<i>Kabuli</i>	Ca_Kabuli_Chr04	4799122	(C/T)
5389	CakSNP5389	<i>Kabuli</i>	Ca_Kabuli_Chr04	4799116	(C/T)
5390	CakSNP5390	<i>Kabuli</i>	Ca_Kabuli_Chr04	4803168	(T/A)
5391	CakSNP5391	<i>Kabuli</i>	Ca_Kabuli_Chr04	4803213	(C/T)
5392	CakSNP5392	<i>Kabuli</i>	Ca_Kabuli_Chr04	4874780	(A/T)
5393	CakSNP5393	<i>Kabuli</i>	Ca_Kabuli_Chr04	4874782	(C/A)
5394	CakSNP5394	<i>Kabuli</i>	Ca_Kabuli_Chr04	4874836	(C/T)
5395	CakSNP5395	<i>Kabuli</i>	Ca_Kabuli_Chr04	4882813	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5396	CakSNP5396	<i>Kabuli</i>	Ca_Kabuli_Chr04	4897934	(C/G)
5397	CakSNP5397	<i>Kabuli</i>	Ca_Kabuli_Chr04	4907987	(G/A)
5398	CakSNP5398	<i>Kabuli</i>	Ca_Kabuli_Chr04	4911083	(T/C)
5399	CakSNP5399	<i>Kabuli</i>	Ca_Kabuli_Chr04	4911130	(T/C)
5400	CakSNP5400	<i>Kabuli</i>	Ca_Kabuli_Chr04	4911209	(A/G)
5401	CakSNP5401	<i>Kabuli</i>	Ca_Kabuli_Chr04	4911217	(A/C)
5402	CakSNP5402	<i>Kabuli</i>	Ca_Kabuli_Chr04	4920706	(T/C)
5403	CakSNP5403	<i>Kabuli</i>	Ca_Kabuli_Chr04	4920712	(A/T)
5404	CakSNP5404	<i>Kabuli</i>	Ca_Kabuli_Chr04	4920719	(A/G)
5405	CakSNP5405	<i>Kabuli</i>	Ca_Kabuli_Chr04	4922290	(A/C)
5406	CakSNP5406	<i>Kabuli</i>	Ca_Kabuli_Chr04	4928764	(T/C)
5407	CakSNP5407	<i>Kabuli</i>	Ca_Kabuli_Chr04	4928890	(A/G)
5408	CakSNP5408	<i>Kabuli</i>	Ca_Kabuli_Chr04	4929387	(T/C)
5409	CakSNP5409	<i>Kabuli</i>	Ca_Kabuli_Chr04	4953629	(C/A)
5410	CakSNP5410	<i>Kabuli</i>	Ca_Kabuli_Chr04	4967336	(T/C)
5411	CakSNP5411	<i>Kabuli</i>	Ca_Kabuli_Chr04	4967342	(G/A)
5412	CakSNP5412	<i>Kabuli</i>	Ca_Kabuli_Chr04	4967347	(A/G)
5413	CakSNP5413	<i>Kabuli</i>	Ca_Kabuli_Chr04	5018591	(G/A)
5414	CakSNP5414	<i>Kabuli</i>	Ca_Kabuli_Chr04	5038300	(G/C)
5415	CakSNP5415	<i>Kabuli</i>	Ca_Kabuli_Chr04	5051617	(A/G)
5416	CakSNP5416	<i>Kabuli</i>	Ca_Kabuli_Chr04	5051574	(T/G)
5417	CakSNP5417	<i>Kabuli</i>	Ca_Kabuli_Chr04	5051573	(A/C)
5418	CakSNP5418	<i>Kabuli</i>	Ca_Kabuli_Chr04	5086705	(T/C)
5419	CakSNP5419	<i>Kabuli</i>	Ca_Kabuli_Chr04	5120207	(C/T)
5420	CakSNP5420	<i>Kabuli</i>	Ca_Kabuli_Chr04	5186401	(A/G)
5421	CakSNP5421	<i>Kabuli</i>	Ca_Kabuli_Chr04	5187402	(G/C)
5422	CakSNP5422	<i>Kabuli</i>	Ca_Kabuli_Chr04	5187344	(C/G)
5423	CakSNP5423	<i>Kabuli</i>	Ca_Kabuli_Chr04	5188084	(G/A)
5424	CakSNP5424	<i>Kabuli</i>	Ca_Kabuli_Chr04	5188040	(A/G)
5425	CakSNP5425	<i>Kabuli</i>	Ca_Kabuli_Chr04	5197824	(T/C)
5426	CakSNP5426	<i>Kabuli</i>	Ca_Kabuli_Chr04	5199907	(C/T)
5427	CakSNP5427	<i>Kabuli</i>	Ca_Kabuli_Chr04	5222669	(A/C)
5428	CakSNP5428	<i>Kabuli</i>	Ca_Kabuli_Chr04	5222805	(G/C)
5429	CakSNP5429	<i>Kabuli</i>	Ca_Kabuli_Chr04	5222851	(C/T)
5430	CakSNP5430	<i>Kabuli</i>	Ca_Kabuli_Chr04	5223100	(G/A)
5431	CakSNP5431	<i>Kabuli</i>	Ca_Kabuli_Chr04	5223206	(A/T)
5432	CakSNP5432	<i>Kabuli</i>	Ca_Kabuli_Chr04	5228950	(G/T)
5433	CakSNP5433	<i>Kabuli</i>	Ca_Kabuli_Chr04	5232364	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5434	CakSNP5434	<i>Kabuli</i>	Ca_Kabuli_Chr04	5263199	(A/G)
5435	CakSNP5435	<i>Kabuli</i>	Ca_Kabuli_Chr04	5268995	(A/C)
5436	CakSNP5436	<i>Kabuli</i>	Ca_Kabuli_Chr04	5282131	(T/C)
5437	CakSNP5437	<i>Kabuli</i>	Ca_Kabuli_Chr04	5310873	(A/G)
5438	CakSNP5438	<i>Kabuli</i>	Ca_Kabuli_Chr04	5345520	(T/G)
5439	CakSNP5439	<i>Kabuli</i>	Ca_Kabuli_Chr04	5377067	(A/C)
5440	CakSNP5440	<i>Kabuli</i>	Ca_Kabuli_Chr04	5377400	(C/T)
5441	CakSNP5441	<i>Kabuli</i>	Ca_Kabuli_Chr04	5390236	(C/A)
5442	CakSNP5442	<i>Kabuli</i>	Ca_Kabuli_Chr04	5390317	(G/A)
5443	CakSNP5443	<i>Kabuli</i>	Ca_Kabuli_Chr04	5453008	(A/C)
5444	CakSNP5444	<i>Kabuli</i>	Ca_Kabuli_Chr04	5473174	(C/T)
5445	CakSNP5445	<i>Kabuli</i>	Ca_Kabuli_Chr04	5484259	(G/T)
5446	CakSNP5446	<i>Kabuli</i>	Ca_Kabuli_Chr04	5484257	(G/C)
5447	CakSNP5447	<i>Kabuli</i>	Ca_Kabuli_Chr04	5484238	(G/A)
5448	CakSNP5448	<i>Kabuli</i>	Ca_Kabuli_Chr04	5484236	(C/T)
5449	CakSNP5449	<i>Kabuli</i>	Ca_Kabuli_Chr04	5484220	(A/G)
5450	CakSNP5450	<i>Kabuli</i>	Ca_Kabuli_Chr04	5485052	(G/T)
5451	CakSNP5451	<i>Kabuli</i>	Ca_Kabuli_Chr04	5485050	(G/C)
5452	CakSNP5452	<i>Kabuli</i>	Ca_Kabuli_Chr04	5485031	(G/A)
5453	CakSNP5453	<i>Kabuli</i>	Ca_Kabuli_Chr04	5485029	(C/T)
5454	CakSNP5454	<i>Kabuli</i>	Ca_Kabuli_Chr04	5485013	(A/G)
5455	CakSNP5455	<i>Kabuli</i>	Ca_Kabuli_Chr04	5528421	(T/G)
5456	CakSNP5456	<i>Kabuli</i>	Ca_Kabuli_Chr04	5530612	(A/G)
5457	CakSNP5457	<i>Kabuli</i>	Ca_Kabuli_Chr04	5535661	(A/G)
5458	CakSNP5458	<i>Kabuli</i>	Ca_Kabuli_Chr04	5575846	(G/C)
5459	CakSNP5459	<i>Kabuli</i>	Ca_Kabuli_Chr04	5595079	(T/C)
5460	CakSNP5460	<i>Kabuli</i>	Ca_Kabuli_Chr04	5595077	(T/A)
5461	CakSNP5461	<i>Kabuli</i>	Ca_Kabuli_Chr04	5623571	(A/G)
5462	CakSNP5462	<i>Kabuli</i>	Ca_Kabuli_Chr04	5627096	(C/T)
5463	CakSNP5463	<i>Kabuli</i>	Ca_Kabuli_Chr04	5701873	(A/C)
5464	CakSNP5464	<i>Kabuli</i>	Ca_Kabuli_Chr04	5701900	(G/T)
5465	CakSNP5465	<i>Kabuli</i>	Ca_Kabuli_Chr04	5701902	(C/T)
5466	CakSNP5466	<i>Kabuli</i>	Ca_Kabuli_Chr04	5701907	(G/T)
5467	CakSNP5467	<i>Kabuli</i>	Ca_Kabuli_Chr04	5779698	(A/G)
5468	CakSNP5468	<i>Kabuli</i>	Ca_Kabuli_Chr04	5779765	(A/T)
5469	CakSNP5469	<i>Kabuli</i>	Ca_Kabuli_Chr04	5787727	(G/A)
5470	CakSNP5470	<i>Kabuli</i>	Ca_Kabuli_Chr04	5787722	(G/A)
5471	CakSNP5471	<i>Kabuli</i>	Ca_Kabuli_Chr04	5841444	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5472	CakSNP5472	<i>Kabuli</i>	Ca_Kabuli_Chr04	5841462	(A/C)
5473	CakSNP5473	<i>Kabuli</i>	Ca_Kabuli_Chr04	5853789	(C/T)
5474	CakSNP5474	<i>Kabuli</i>	Ca_Kabuli_Chr04	5853798	(T/G)
5475	CakSNP5475	<i>Kabuli</i>	Ca_Kabuli_Chr04	5900194	(C/A)
5476	CakSNP5476	<i>Kabuli</i>	Ca_Kabuli_Chr04	5900290	(T/C)
5477	CakSNP5477	<i>Kabuli</i>	Ca_Kabuli_Chr04	5905252	(C/T)
5478	CakSNP5478	<i>Kabuli</i>	Ca_Kabuli_Chr04	5905276	(C/T)
5479	CakSNP5479	<i>Kabuli</i>	Ca_Kabuli_Chr04	5905303	(A/C)
5480	CakSNP5480	<i>Kabuli</i>	Ca_Kabuli_Chr04	5905385	(G/A)
5481	CakSNP5481	<i>Kabuli</i>	Ca_Kabuli_Chr04	5907409	(T/G)
5482	CakSNP5482	<i>Kabuli</i>	Ca_Kabuli_Chr04	5907421	(T/G)
5483	CakSNP5483	<i>Kabuli</i>	Ca_Kabuli_Chr04	5907437	(C/A)
5484	CakSNP5484	<i>Kabuli</i>	Ca_Kabuli_Chr04	5907465	(C/A)
5485	CakSNP5485	<i>Kabuli</i>	Ca_Kabuli_Chr04	5940176	(C/T)
5486	CakSNP5486	<i>Kabuli</i>	Ca_Kabuli_Chr04	5999964	(T/C)
5487	CakSNP5487	<i>Kabuli</i>	Ca_Kabuli_Chr04	6000010	(T/A)
5488	CakSNP5488	<i>Kabuli</i>	Ca_Kabuli_Chr04	6000013	(A/C)
5489	CakSNP5489	<i>Kabuli</i>	Ca_Kabuli_Chr04	6000037	(T/G)
5490	CakSNP5490	<i>Kabuli</i>	Ca_Kabuli_Chr04	6006849	(T/G)
5491	CakSNP5491	<i>Kabuli</i>	Ca_Kabuli_Chr04	6030948	(T/G)
5492	CakSNP5492	<i>Kabuli</i>	Ca_Kabuli_Chr04	6030966	(A/G)
5493	CakSNP5493	<i>Kabuli</i>	Ca_Kabuli_Chr04	6041134	(A/C)
5494	CakSNP5494	<i>Kabuli</i>	Ca_Kabuli_Chr04	6041130	(C/A)
5495	CakSNP5495	<i>Kabuli</i>	Ca_Kabuli_Chr04	6041126	(A/G)
5496	CakSNP5496	<i>Kabuli</i>	Ca_Kabuli_Chr04	6041120	(G/T)
5497	CakSNP5497	<i>Kabuli</i>	Ca_Kabuli_Chr04	6041117	(C/T)
5498	CakSNP5498	<i>Kabuli</i>	Ca_Kabuli_Chr04	6076530	(T/C)
5499	CakSNP5499	<i>Kabuli</i>	Ca_Kabuli_Chr04	6076594	(G/C)
5500	CakSNP5500	<i>Kabuli</i>	Ca_Kabuli_Chr04	6076614	(A/G)
5501	CakSNP5501	<i>Kabuli</i>	Ca_Kabuli_Chr04	6077103	(G/A)
5502	CakSNP5502	<i>Kabuli</i>	Ca_Kabuli_Chr04	6077113	(G/T)
5503	CakSNP5503	<i>Kabuli</i>	Ca_Kabuli_Chr04	6077156	(G/T)
5504	CakSNP5504	<i>Kabuli</i>	Ca_Kabuli_Chr04	6077168	(T/C)
5505	CakSNP5505	<i>Kabuli</i>	Ca_Kabuli_Chr04	6157625	(T/C)
5506	CakSNP5506	<i>Kabuli</i>	Ca_Kabuli_Chr04	6201137	(T/C)
5507	CakSNP5507	<i>Kabuli</i>	Ca_Kabuli_Chr04	6238354	(G/A)
5508	CakSNP5508	<i>Kabuli</i>	Ca_Kabuli_Chr04	6238367	(T/A)
5509	CakSNP5509	<i>Kabuli</i>	Ca_Kabuli_Chr04	6238376	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5510	CakSNP5510	<i>Kabuli</i>	Ca_Kabuli_Chr04	6238414	(T/A)
5511	CakSNP5511	<i>Kabuli</i>	Ca_Kabuli_Chr04	6277398	(C/T)
5512	CakSNP5512	<i>Kabuli</i>	Ca_Kabuli_Chr04	6281228	(A/C)
5513	CakSNP5513	<i>Kabuli</i>	Ca_Kabuli_Chr04	6296089	(G/T)
5514	CakSNP5514	<i>Kabuli</i>	Ca_Kabuli_Chr04	6387938	(T/G)
5515	CakSNP5515	<i>Kabuli</i>	Ca_Kabuli_Chr04	6403910	(A/C)
5516	CakSNP5516	<i>Kabuli</i>	Ca_Kabuli_Chr04	6408543	(T/G)
5517	CakSNP5517	<i>Kabuli</i>	Ca_Kabuli_Chr04	6415058	(A/T)
5518	CakSNP5518	<i>Kabuli</i>	Ca_Kabuli_Chr04	6462228	(C/T)
5519	CakSNP5519	<i>Kabuli</i>	Ca_Kabuli_Chr04	6507540	(G/A)
5520	CakSNP5520	<i>Kabuli</i>	Ca_Kabuli_Chr04	6509701	(T/A)
5521	CakSNP5521	<i>Kabuli</i>	Ca_Kabuli_Chr04	6509761	(C/A)
5522	CakSNP5522	<i>Kabuli</i>	Ca_Kabuli_Chr04	6511977	(C/T)
5523	CakSNP5523	<i>Kabuli</i>	Ca_Kabuli_Chr04	6512060	(A/T)
5524	CakSNP5524	<i>Kabuli</i>	Ca_Kabuli_Chr04	6513321	(A/T)
5525	CakSNP5525	<i>Kabuli</i>	Ca_Kabuli_Chr04	6513493	(C/T)
5526	CakSNP5526	<i>Kabuli</i>	Ca_Kabuli_Chr04	6513576	(A/T)
5527	CakSNP5527	<i>Kabuli</i>	Ca_Kabuli_Chr04	6544385	(G/A)
5528	CakSNP5528	<i>Kabuli</i>	Ca_Kabuli_Chr04	6544342	(A/C)
5529	CakSNP5529	<i>Kabuli</i>	Ca_Kabuli_Chr04	6544337	(A/C)
5530	CakSNP5530	<i>Kabuli</i>	Ca_Kabuli_Chr04	6552776	(A/G)
5531	CakSNP5531	<i>Kabuli</i>	Ca_Kabuli_Chr04	6562373	(T/A)
5532	CakSNP5532	<i>Kabuli</i>	Ca_Kabuli_Chr04	6562391	(A/C)
5533	CakSNP5533	<i>Kabuli</i>	Ca_Kabuli_Chr04	6562402	(G/C)
5534	CakSNP5534	<i>Kabuli</i>	Ca_Kabuli_Chr04	6611820	(G/A)
5535	CakSNP5535	<i>Kabuli</i>	Ca_Kabuli_Chr04	6616016	(C/T)
5536	CakSNP5536	<i>Kabuli</i>	Ca_Kabuli_Chr04	6616071	(C/T)
5537	CakSNP5537	<i>Kabuli</i>	Ca_Kabuli_Chr04	6688218	(G/A)
5538	CakSNP5538	<i>Kabuli</i>	Ca_Kabuli_Chr04	6715326	(C/T)
5539	CakSNP5539	<i>Kabuli</i>	Ca_Kabuli_Chr04	6723103	(G/T)
5540	CakSNP5540	<i>Kabuli</i>	Ca_Kabuli_Chr04	6749334	(A/G)
5541	CakSNP5541	<i>Kabuli</i>	Ca_Kabuli_Chr04	6749481	(C/T)
5542	CakSNP5542	<i>Kabuli</i>	Ca_Kabuli_Chr04	6749550	(G/A)
5543	CakSNP5543	<i>Kabuli</i>	Ca_Kabuli_Chr04	6749522	(T/C)
5544	CakSNP5544	<i>Kabuli</i>	Ca_Kabuli_Chr04	6751549	(A/T)
5545	CakSNP5545	<i>Kabuli</i>	Ca_Kabuli_Chr04	6761778	(C/A)
5546	CakSNP5546	<i>Kabuli</i>	Ca_Kabuli_Chr04	6765922	(T/G)
5547	CakSNP5547	<i>Kabuli</i>	Ca_Kabuli_Chr04	6765884	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5548	CakSNP5548	<i>Kabuli</i>	Ca_Kabuli_Chr04	6792858	(T/G)
5549	CakSNP5549	<i>Kabuli</i>	Ca_Kabuli_Chr04	6801632	(C/A)
5550	CakSNP5550	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841854	(G/A)
5551	CakSNP5551	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841856	(G/A)
5552	CakSNP5552	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841858	(G/A)
5553	CakSNP5553	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841859	(A/C)
5554	CakSNP5554	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841860	(G/A)
5555	CakSNP5555	<i>Kabuli</i>	Ca_Kabuli_Chr04	6841861	(A/C)
5556	CakSNP5556	<i>Kabuli</i>	Ca_Kabuli_Chr04	6843659	(T/C)
5557	CakSNP5557	<i>Kabuli</i>	Ca_Kabuli_Chr04	6852908	(T/C)
5558	CakSNP5558	<i>Kabuli</i>	Ca_Kabuli_Chr04	6889964	(T/G)
5559	CakSNP5559	<i>Kabuli</i>	Ca_Kabuli_Chr04	6889974	(T/G)
5560	CakSNP5560	<i>Kabuli</i>	Ca_Kabuli_Chr04	6890000	(A/G)
5561	CakSNP5561	<i>Kabuli</i>	Ca_Kabuli_Chr04	6890005	(C/T)
5562	CakSNP5562	<i>Kabuli</i>	Ca_Kabuli_Chr04	6890014	(G/T)
5563	CakSNP5563	<i>Kabuli</i>	Ca_Kabuli_Chr04	6889994	(T/G)
5564	CakSNP5564	<i>Kabuli</i>	Ca_Kabuli_Chr04	6895804	(G/A)
5565	CakSNP5565	<i>Kabuli</i>	Ca_Kabuli_Chr04	6919896	(C/T)
5566	CakSNP5566	<i>Kabuli</i>	Ca_Kabuli_Chr04	6920068	(G/A)
5567	CakSNP5567	<i>Kabuli</i>	Ca_Kabuli_Chr04	6931668	(T/A)
5568	CakSNP5568	<i>Kabuli</i>	Ca_Kabuli_Chr04	6960336	(G/A)
5569	CakSNP5569	<i>Kabuli</i>	Ca_Kabuli_Chr04	6969771	(G/T)
5570	CakSNP5570	<i>Kabuli</i>	Ca_Kabuli_Chr04	6969799	(T/C)
5571	CakSNP5571	<i>Kabuli</i>	Ca_Kabuli_Chr04	6970808	(A/G)
5572	CakSNP5572	<i>Kabuli</i>	Ca_Kabuli_Chr04	6970800	(A/G)
5573	CakSNP5573	<i>Kabuli</i>	Ca_Kabuli_Chr04	6970792	(T/A)
5574	CakSNP5574	<i>Kabuli</i>	Ca_Kabuli_Chr04	6970781	(G/A)
5575	CakSNP5575	<i>Kabuli</i>	Ca_Kabuli_Chr04	6970856	(T/C)
5576	CakSNP5576	<i>Kabuli</i>	Ca_Kabuli_Chr04	7013498	(A/G)
5577	CakSNP5577	<i>Kabuli</i>	Ca_Kabuli_Chr04	7040229	(A/T)
5578	CakSNP5578	<i>Kabuli</i>	Ca_Kabuli_Chr04	7142498	(G/A)
5579	CakSNP5579	<i>Kabuli</i>	Ca_Kabuli_Chr04	7143207	(G/T)
5580	CakSNP5580	<i>Kabuli</i>	Ca_Kabuli_Chr04	7143214	(T/C)
5581	CakSNP5581	<i>Kabuli</i>	Ca_Kabuli_Chr04	7143238	(C/T)
5582	CakSNP5582	<i>Kabuli</i>	Ca_Kabuli_Chr04	7155826	(G/A)
5583	CakSNP5583	<i>Kabuli</i>	Ca_Kabuli_Chr04	7185974	(G/A)
5584	CakSNP5584	<i>Kabuli</i>	Ca_Kabuli_Chr04	7231299	(C/T)
5585	CakSNP5585	<i>Kabuli</i>	Ca_Kabuli_Chr04	7239917	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5586	CakSNP5586	<i>Kabuli</i>	Ca_Kabuli_Chr04	7244301	(G/A)
5587	CakSNP5587	<i>Kabuli</i>	Ca_Kabuli_Chr04	7335587	(C/T)
5588	CakSNP5588	<i>Kabuli</i>	Ca_Kabuli_Chr04	7349958	(T/C)
5589	CakSNP5589	<i>Kabuli</i>	Ca_Kabuli_Chr04	7349948	(T/C)
5590	CakSNP5590	<i>Kabuli</i>	Ca_Kabuli_Chr04	7349900	(G/A)
5591	CakSNP5591	<i>Kabuli</i>	Ca_Kabuli_Chr04	7349885	(G/A)
5592	CakSNP5592	<i>Kabuli</i>	Ca_Kabuli_Chr04	7350192	(G/T)
5593	CakSNP5593	<i>Kabuli</i>	Ca_Kabuli_Chr04	7371667	(G/A)
5594	CakSNP5594	<i>Kabuli</i>	Ca_Kabuli_Chr04	7371708	(T/C)
5595	CakSNP5595	<i>Kabuli</i>	Ca_Kabuli_Chr04	7416949	(C/T)
5596	CakSNP5596	<i>Kabuli</i>	Ca_Kabuli_Chr04	7496298	(A/G)
5597	CakSNP5597	<i>Kabuli</i>	Ca_Kabuli_Chr04	7520182	(A/T)
5598	CakSNP5598	<i>Kabuli</i>	Ca_Kabuli_Chr04	7520184	(A/C)
5599	CakSNP5599	<i>Kabuli</i>	Ca_Kabuli_Chr04	7522047	(C/T)
5600	CakSNP5600	<i>Kabuli</i>	Ca_Kabuli_Chr04	7522033	(A/G)
5601	CakSNP5601	<i>Kabuli</i>	Ca_Kabuli_Chr04	7587317	(A/G)
5602	CakSNP5602	<i>Kabuli</i>	Ca_Kabuli_Chr04	7587516	(T/C)
5603	CakSNP5603	<i>Kabuli</i>	Ca_Kabuli_Chr04	7598474	(G/C)
5604	CakSNP5604	<i>Kabuli</i>	Ca_Kabuli_Chr04	7699429	(C/T)
5605	CakSNP5605	<i>Kabuli</i>	Ca_Kabuli_Chr04	7717770	(A/G)
5606	CakSNP5606	<i>Kabuli</i>	Ca_Kabuli_Chr04	7717935	(T/G)
5607	CakSNP5607	<i>Kabuli</i>	Ca_Kabuli_Chr04	7717978	(G/A)
5608	CakSNP5608	<i>Kabuli</i>	Ca_Kabuli_Chr04	7718270	(T/C)
5609	CakSNP5609	<i>Kabuli</i>	Ca_Kabuli_Chr04	7718277	(G/A)
5610	CakSNP5610	<i>Kabuli</i>	Ca_Kabuli_Chr04	7739202	(C/T)
5611	CakSNP5611	<i>Kabuli</i>	Ca_Kabuli_Chr04	7746230	(A/C)
5612	CakSNP5612	<i>Kabuli</i>	Ca_Kabuli_Chr04	7746242	(C/G)
5613	CakSNP5613	<i>Kabuli</i>	Ca_Kabuli_Chr04	7812468	(C/T)
5614	CakSNP5614	<i>Kabuli</i>	Ca_Kabuli_Chr04	7812491	(T/A)
5615	CakSNP5615	<i>Kabuli</i>	Ca_Kabuli_Chr04	7812521	(A/G)
5616	CakSNP5616	<i>Kabuli</i>	Ca_Kabuli_Chr04	7819865	(T/C)
5617	CakSNP5617	<i>Kabuli</i>	Ca_Kabuli_Chr04	7821269	(G/A)
5618	CakSNP5618	<i>Kabuli</i>	Ca_Kabuli_Chr04	7868480	(A/T)
5619	CakSNP5619	<i>Kabuli</i>	Ca_Kabuli_Chr04	7883707	(T/A)
5620	CakSNP5620	<i>Kabuli</i>	Ca_Kabuli_Chr04	7892596	(A/C)
5621	CakSNP5621	<i>Kabuli</i>	Ca_Kabuli_Chr04	7975577	(C/G)
5622	CakSNP5622	<i>Kabuli</i>	Ca_Kabuli_Chr04	7975586	(T/G)
5623	CakSNP5623	<i>Kabuli</i>	Ca_Kabuli_Chr04	7988367	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5624	CakSNP5624	<i>Kabuli</i>	Ca_Kabuli_Chr04	7988396	(C/T)
5625	CakSNP5625	<i>Kabuli</i>	Ca_Kabuli_Chr04	7988399	(G/A)
5626	CakSNP5626	<i>Kabuli</i>	Ca_Kabuli_Chr04	7988422	(T/G)
5627	CakSNP5627	<i>Kabuli</i>	Ca_Kabuli_Chr04	7988444	(T/G)
5628	CakSNP5628	<i>Kabuli</i>	Ca_Kabuli_Chr04	8025363	(T/C)
5629	CakSNP5629	<i>Kabuli</i>	Ca_Kabuli_Chr04	8025348	(A/T)
5630	CakSNP5630	<i>Kabuli</i>	Ca_Kabuli_Chr04	8025530	(A/G)
5631	CakSNP5631	<i>Kabuli</i>	Ca_Kabuli_Chr04	8050770	(T/C)
5632	CakSNP5632	<i>Kabuli</i>	Ca_Kabuli_Chr04	8051306	(T/C)
5633	CakSNP5633	<i>Kabuli</i>	Ca_Kabuli_Chr04	8117401	(G/A)
5634	CakSNP5634	<i>Kabuli</i>	Ca_Kabuli_Chr04	8178043	(G/A)
5635	CakSNP5635	<i>Kabuli</i>	Ca_Kabuli_Chr04	8198702	(T/G)
5636	CakSNP5636	<i>Kabuli</i>	Ca_Kabuli_Chr04	8203586	(C/T)
5637	CakSNP5637	<i>Kabuli</i>	Ca_Kabuli_Chr04	8236449	(C/A)
5638	CakSNP5638	<i>Kabuli</i>	Ca_Kabuli_Chr04	8237145	(C/T)
5639	CakSNP5639	<i>Kabuli</i>	Ca_Kabuli_Chr04	8269099	(T/G)
5640	CakSNP5640	<i>Kabuli</i>	Ca_Kabuli_Chr04	8269152	(C/T)
5641	CakSNP5641	<i>Kabuli</i>	Ca_Kabuli_Chr04	8269347	(C/G)
5642	CakSNP5642	<i>Kabuli</i>	Ca_Kabuli_Chr04	8302198	(A/G)
5643	CakSNP5643	<i>Kabuli</i>	Ca_Kabuli_Chr04	8383890	(G/A)
5644	CakSNP5644	<i>Kabuli</i>	Ca_Kabuli_Chr04	8396861	(T/A)
5645	CakSNP5645	<i>Kabuli</i>	Ca_Kabuli_Chr04	8396837	(T/G)
5646	CakSNP5646	<i>Kabuli</i>	Ca_Kabuli_Chr04	8401109	(A/G)
5647	CakSNP5647	<i>Kabuli</i>	Ca_Kabuli_Chr04	8401126	(G/T)
5648	CakSNP5648	<i>Kabuli</i>	Ca_Kabuli_Chr04	8401143	(A/T)
5649	CakSNP5649	<i>Kabuli</i>	Ca_Kabuli_Chr04	8401248	(T/A)
5650	CakSNP5650	<i>Kabuli</i>	Ca_Kabuli_Chr04	8401230	(A/G)
5651	CakSNP5651	<i>Kabuli</i>	Ca_Kabuli_Chr04	8404108	(T/C)
5652	CakSNP5652	<i>Kabuli</i>	Ca_Kabuli_Chr04	8404165	(C/A)
5653	CakSNP5653	<i>Kabuli</i>	Ca_Kabuli_Chr04	8404244	(C/G)
5654	CakSNP5654	<i>Kabuli</i>	Ca_Kabuli_Chr04	8471029	(G/A)
5655	CakSNP5655	<i>Kabuli</i>	Ca_Kabuli_Chr04	8473120	(G/A)
5656	CakSNP5656	<i>Kabuli</i>	Ca_Kabuli_Chr04	8473127	(G/A)
5657	CakSNP5657	<i>Kabuli</i>	Ca_Kabuli_Chr04	8473294	(G/A)
5658	CakSNP5658	<i>Kabuli</i>	Ca_Kabuli_Chr04	8473288	(A/G)
5659	CakSNP5659	<i>Kabuli</i>	Ca_Kabuli_Chr04	8473246	(T/C)
5660	CakSNP5660	<i>Kabuli</i>	Ca_Kabuli_Chr04	8474442	(C/T)
5661	CakSNP5661	<i>Kabuli</i>	Ca_Kabuli_Chr04	8474441	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5662	CakSNP5662	<i>Kabuli</i>	Ca_Kabuli_Chr04	8474401	(T/A)
5663	CakSNP5663	<i>Kabuli</i>	Ca_Kabuli_Chr04	8475634	(A/C)
5664	CakSNP5664	<i>Kabuli</i>	Ca_Kabuli_Chr04	8483482	(T/C)
5665	CakSNP5665	<i>Kabuli</i>	Ca_Kabuli_Chr04	8483494	(T/C)
5666	CakSNP5666	<i>Kabuli</i>	Ca_Kabuli_Chr04	8484976	(G/A)
5667	CakSNP5667	<i>Kabuli</i>	Ca_Kabuli_Chr04	8484978	(A/G)
5668	CakSNP5668	<i>Kabuli</i>	Ca_Kabuli_Chr04	8496641	(C/A)
5669	CakSNP5669	<i>Kabuli</i>	Ca_Kabuli_Chr04	8510011	(A/C)
5670	CakSNP5670	<i>Kabuli</i>	Ca_Kabuli_Chr04	8512095	(G/A)
5671	CakSNP5671	<i>Kabuli</i>	Ca_Kabuli_Chr04	8512280	(C/T)
5672	CakSNP5672	<i>Kabuli</i>	Ca_Kabuli_Chr04	8518979	(G/A)
5673	CakSNP5673	<i>Kabuli</i>	Ca_Kabuli_Chr04	8534120	(C/T)
5674	CakSNP5674	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567380	(A/T)
5675	CakSNP5675	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567431	(C/T)
5676	CakSNP5676	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567490	(C/A)
5677	CakSNP5677	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567478	(A/C)
5678	CakSNP5678	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567477	(T/C)
5679	CakSNP5679	<i>Kabuli</i>	Ca_Kabuli_Chr04	8567465	(C/T)
5680	CakSNP5680	<i>Kabuli</i>	Ca_Kabuli_Chr04	8570458	(T/G)
5681	CakSNP5681	<i>Kabuli</i>	Ca_Kabuli_Chr04	8570501	(G/C)
5682	CakSNP5682	<i>Kabuli</i>	Ca_Kabuli_Chr04	8595427	(C/T)
5683	CakSNP5683	<i>Kabuli</i>	Ca_Kabuli_Chr04	8601364	(T/G)
5684	CakSNP5684	<i>Kabuli</i>	Ca_Kabuli_Chr04	8659774	(G/A)
5685	CakSNP5685	<i>Kabuli</i>	Ca_Kabuli_Chr04	8659935	(T/A)
5686	CakSNP5686	<i>Kabuli</i>	Ca_Kabuli_Chr04	8659946	(C/T)
5687	CakSNP5687	<i>Kabuli</i>	Ca_Kabuli_Chr04	8659985	(T/C)
5688	CakSNP5688	<i>Kabuli</i>	Ca_Kabuli_Chr04	8660115	(A/T)
5689	CakSNP5689	<i>Kabuli</i>	Ca_Kabuli_Chr04	8660136	(G/A)
5690	CakSNP5690	<i>Kabuli</i>	Ca_Kabuli_Chr04	8660608	(G/T)
5691	CakSNP5691	<i>Kabuli</i>	Ca_Kabuli_Chr04	8660599	(A/G)
5692	CakSNP5692	<i>Kabuli</i>	Ca_Kabuli_Chr04	8668648	(G/A)
5693	CakSNP5693	<i>Kabuli</i>	Ca_Kabuli_Chr04	8668753	(A/G)
5694	CakSNP5694	<i>Kabuli</i>	Ca_Kabuli_Chr04	8668945	(T/C)
5695	CakSNP5695	<i>Kabuli</i>	Ca_Kabuli_Chr04	8669014	(C/G)
5696	CakSNP5696	<i>Kabuli</i>	Ca_Kabuli_Chr04	8669104	(T/C)
5697	CakSNP5697	<i>Kabuli</i>	Ca_Kabuli_Chr04	8669515	(C/T)
5698	CakSNP5698	<i>Kabuli</i>	Ca_Kabuli_Chr04	8669513	(G/A)
5699	CakSNP5699	<i>Kabuli</i>	Ca_Kabuli_Chr04	8669505	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5700	CakSNP5700	<i>Kabuli</i>	Ca_Kabuli_Chr04	8681949	(G/A)
5701	CakSNP5701	<i>Kabuli</i>	Ca_Kabuli_Chr04	8695562	(C/T)
5702	CakSNP5702	<i>Kabuli</i>	Ca_Kabuli_Chr04	8751638	(A/C)
5703	CakSNP5703	<i>Kabuli</i>	Ca_Kabuli_Chr04	8751629	(T/C)
5704	CakSNP5704	<i>Kabuli</i>	Ca_Kabuli_Chr04	8751618	(A/C)
5705	CakSNP5705	<i>Kabuli</i>	Ca_Kabuli_Chr04	8751591	(A/C)
5706	CakSNP5706	<i>Kabuli</i>	Ca_Kabuli_Chr04	8772215	(A/C)
5707	CakSNP5707	<i>Kabuli</i>	Ca_Kabuli_Chr04	8782879	(G/C)
5708	CakSNP5708	<i>Kabuli</i>	Ca_Kabuli_Chr04	8791654	(A/G)
5709	CakSNP5709	<i>Kabuli</i>	Ca_Kabuli_Chr04	8805504	(A/G)
5710	CakSNP5710	<i>Kabuli</i>	Ca_Kabuli_Chr04	8805578	(A/C)
5711	CakSNP5711	<i>Kabuli</i>	Ca_Kabuli_Chr04	8805667	(C/T)
5712	CakSNP5712	<i>Kabuli</i>	Ca_Kabuli_Chr04	8805867	(A/C)
5713	CakSNP5713	<i>Kabuli</i>	Ca_Kabuli_Chr04	8805839	(G/A)
5714	CakSNP5714	<i>Kabuli</i>	Ca_Kabuli_Chr04	8809032	(C/T)
5715	CakSNP5715	<i>Kabuli</i>	Ca_Kabuli_Chr04	8809064	(T/C)
5716	CakSNP5716	<i>Kabuli</i>	Ca_Kabuli_Chr04	8809010	(A/G)
5717	CakSNP5717	<i>Kabuli</i>	Ca_Kabuli_Chr04	8809456	(A/C)
5718	CakSNP5718	<i>Kabuli</i>	Ca_Kabuli_Chr04	8844846	(A/G)
5719	CakSNP5719	<i>Kabuli</i>	Ca_Kabuli_Chr04	8848654	(C/T)
5720	CakSNP5720	<i>Kabuli</i>	Ca_Kabuli_Chr04	8848653	(T/C)
5721	CakSNP5721	<i>Kabuli</i>	Ca_Kabuli_Chr04	8852334	(T/A)
5722	CakSNP5722	<i>Kabuli</i>	Ca_Kabuli_Chr04	8852420	(T/C)
5723	CakSNP5723	<i>Kabuli</i>	Ca_Kabuli_Chr04	8873494	(G/T)
5724	CakSNP5724	<i>Kabuli</i>	Ca_Kabuli_Chr04	8873509	(G/C)
5725	CakSNP5725	<i>Kabuli</i>	Ca_Kabuli_Chr04	8919264	(C/T)
5726	CakSNP5726	<i>Kabuli</i>	Ca_Kabuli_Chr04	8919300	(C/T)
5727	CakSNP5727	<i>Kabuli</i>	Ca_Kabuli_Chr04	8919395	(A/G)
5728	CakSNP5728	<i>Kabuli</i>	Ca_Kabuli_Chr04	8952236	(A/G)
5729	CakSNP5729	<i>Kabuli</i>	Ca_Kabuli_Chr04	8985949	(C/T)
5730	CakSNP5730	<i>Kabuli</i>	Ca_Kabuli_Chr04	8985961	(C/T)
5731	CakSNP5731	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986031	(T/A)
5732	CakSNP5732	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986026	(T/A)
5733	CakSNP5733	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986024	(T/A)
5734	CakSNP5734	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986018	(G/A)
5735	CakSNP5735	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986008	(T/A)
5736	CakSNP5736	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986002	(T/A)
5737	CakSNP5737	<i>Kabuli</i>	Ca_Kabuli_Chr04	8985998	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5738	CakSNP5738	<i>Kabuli</i>	Ca_Kabuli_Chr04	8985994	(C/A)
5739	CakSNP5739	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986207	(G/C)
5740	CakSNP5740	<i>Kabuli</i>	Ca_Kabuli_Chr04	8986217	(T/A)
5741	CakSNP5741	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075398	(G/A)
5742	CakSNP5742	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075395	(A/G)
5743	CakSNP5743	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075459	(C/T)
5744	CakSNP5744	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075520	(C/T)
5745	CakSNP5745	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075565	(A/G)
5746	CakSNP5746	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075543	(T/C)
5747	CakSNP5747	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075671	(A/G)
5748	CakSNP5748	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075677	(T/C)
5749	CakSNP5749	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075682	(G/A)
5750	CakSNP5750	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075737	(G/A)
5751	CakSNP5751	<i>Kabuli</i>	Ca_Kabuli_Chr04	9075744	(T/G)
5752	CakSNP5752	<i>Kabuli</i>	Ca_Kabuli_Chr04	9187887	(G/C)
5753	CakSNP5753	<i>Kabuli</i>	Ca_Kabuli_Chr04	9187973	(T/G)
5754	CakSNP5754	<i>Kabuli</i>	Ca_Kabuli_Chr04	9189976	(T/A)
5755	CakSNP5755	<i>Kabuli</i>	Ca_Kabuli_Chr04	9211570	(A/G)
5756	CakSNP5756	<i>Kabuli</i>	Ca_Kabuli_Chr04	9257131	(G/A)
5757	CakSNP5757	<i>Kabuli</i>	Ca_Kabuli_Chr04	9331949	(C/T)
5758	CakSNP5758	<i>Kabuli</i>	Ca_Kabuli_Chr04	9392373	(A/T)
5759	CakSNP5759	<i>Kabuli</i>	Ca_Kabuli_Chr04	9392455	(A/G)
5760	CakSNP5760	<i>Kabuli</i>	Ca_Kabuli_Chr04	9392427	(G/A)
5761	CakSNP5761	<i>Kabuli</i>	Ca_Kabuli_Chr04	9427890	(T/G)
5762	CakSNP5762	<i>Kabuli</i>	Ca_Kabuli_Chr04	9427892	(G/T)
5763	CakSNP5763	<i>Kabuli</i>	Ca_Kabuli_Chr04	9427894	(A/C)
5764	CakSNP5764	<i>Kabuli</i>	Ca_Kabuli_Chr04	9427964	(C/A)
5765	CakSNP5765	<i>Kabuli</i>	Ca_Kabuli_Chr04	9451895	(T/A)
5766	CakSNP5766	<i>Kabuli</i>	Ca_Kabuli_Chr04	9451850	(T/G)
5767	CakSNP5767	<i>Kabuli</i>	Ca_Kabuli_Chr04	9491741	(A/T)
5768	CakSNP5768	<i>Kabuli</i>	Ca_Kabuli_Chr04	9533658	(A/G)
5769	CakSNP5769	<i>Kabuli</i>	Ca_Kabuli_Chr04	9533688	(T/G)
5770	CakSNP5770	<i>Kabuli</i>	Ca_Kabuli_Chr04	9579383	(C/A)
5771	CakSNP5771	<i>Kabuli</i>	Ca_Kabuli_Chr04	9579393	(G/A)
5772	CakSNP5772	<i>Kabuli</i>	Ca_Kabuli_Chr04	9579401	(G/T)
5773	CakSNP5773	<i>Kabuli</i>	Ca_Kabuli_Chr04	9579519	(A/T)
5774	CakSNP5774	<i>Kabuli</i>	Ca_Kabuli_Chr04	9579517	(T/C)
5775	CakSNP5775	<i>Kabuli</i>	Ca_Kabuli_Chr04	9580341	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5776	CakSNP5776	<i>Kabuli</i>	Ca_Kabuli_Chr04	9580339	(T/G)
5777	CakSNP5777	<i>Kabuli</i>	Ca_Kabuli_Chr04	9614897	(G/A)
5778	CakSNP5778	<i>Kabuli</i>	Ca_Kabuli_Chr04	9614905	(C/A)
5779	CakSNP5779	<i>Kabuli</i>	Ca_Kabuli_Chr04	9661685	(G/A)
5780	CakSNP5780	<i>Kabuli</i>	Ca_Kabuli_Chr04	9670905	(C/T)
5781	CakSNP5781	<i>Kabuli</i>	Ca_Kabuli_Chr04	9670996	(G/T)
5782	CakSNP5782	<i>Kabuli</i>	Ca_Kabuli_Chr04	9671007	(G/T)
5783	CakSNP5783	<i>Kabuli</i>	Ca_Kabuli_Chr04	9671089	(T/G)
5784	CakSNP5784	<i>Kabuli</i>	Ca_Kabuli_Chr04	9706453	(T/G)
5785	CakSNP5785	<i>Kabuli</i>	Ca_Kabuli_Chr04	9706480	(T/A)
5786	CakSNP5786	<i>Kabuli</i>	Ca_Kabuli_Chr04	9706481	(A/C)
5787	CakSNP5787	<i>Kabuli</i>	Ca_Kabuli_Chr04	9740099	(A/G)
5788	CakSNP5788	<i>Kabuli</i>	Ca_Kabuli_Chr04	9800865	(C/T)
5789	CakSNP5789	<i>Kabuli</i>	Ca_Kabuli_Chr04	9802603	(T/C)
5790	CakSNP5790	<i>Kabuli</i>	Ca_Kabuli_Chr04	9836559	(G/T)
5791	CakSNP5791	<i>Kabuli</i>	Ca_Kabuli_Chr04	9840763	(C/A)
5792	CakSNP5792	<i>Kabuli</i>	Ca_Kabuli_Chr04	9840906	(A/C)
5793	CakSNP5793	<i>Kabuli</i>	Ca_Kabuli_Chr04	9846321	(T/A)
5794	CakSNP5794	<i>Kabuli</i>	Ca_Kabuli_Chr04	9947077	(A/G)
5795	CakSNP5795	<i>Kabuli</i>	Ca_Kabuli_Chr04	9973728	(C/G)
5796	CakSNP5796	<i>Kabuli</i>	Ca_Kabuli_Chr04	9976039	(C/T)
5797	CakSNP5797	<i>Kabuli</i>	Ca_Kabuli_Chr04	9999907	(A/T)
5798	CakSNP5798	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007069	(A/G)
5799	CakSNP5799	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007151	(C/T)
5800	CakSNP5800	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007193	(T/A)
5801	CakSNP5801	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007332	(T/C)
5802	CakSNP5802	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007286	(C/T)
5803	CakSNP5803	<i>Kabuli</i>	Ca_Kabuli_Chr04	10007372	(C/A)
5804	CakSNP5804	<i>Kabuli</i>	Ca_Kabuli_Chr04	10009839	(G/A)
5805	CakSNP5805	<i>Kabuli</i>	Ca_Kabuli_Chr04	10013120	(G/A)
5806	CakSNP5806	<i>Kabuli</i>	Ca_Kabuli_Chr04	10013148	(G/T)
5807	CakSNP5807	<i>Kabuli</i>	Ca_Kabuli_Chr04	10017467	(A/C)
5808	CakSNP5808	<i>Kabuli</i>	Ca_Kabuli_Chr04	10024226	(G/A)
5809	CakSNP5809	<i>Kabuli</i>	Ca_Kabuli_Chr04	10030134	(A/G)
5810	CakSNP5810	<i>Kabuli</i>	Ca_Kabuli_Chr04	10116516	(T/G)
5811	CakSNP5811	<i>Kabuli</i>	Ca_Kabuli_Chr04	10151711	(A/C)
5812	CakSNP5812	<i>Kabuli</i>	Ca_Kabuli_Chr04	10151943	(C/T)
5813	CakSNP5813	<i>Kabuli</i>	Ca_Kabuli_Chr04	10184428	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5814	CakSNP5814	<i>Kabuli</i>	Ca_Kabuli_Chr04	10184427	(C/A)
5815	CakSNP5815	<i>Kabuli</i>	Ca_Kabuli_Chr04	10185602	(T/G)
5816	CakSNP5816	<i>Kabuli</i>	Ca_Kabuli_Chr04	10185625	(A/G)
5817	CakSNP5817	<i>Kabuli</i>	Ca_Kabuli_Chr04	10205246	(C/T)
5818	CakSNP5818	<i>Kabuli</i>	Ca_Kabuli_Chr04	10290706	(G/T)
5819	CakSNP5819	<i>Kabuli</i>	Ca_Kabuli_Chr04	10293203	(T/C)
5820	CakSNP5820	<i>Kabuli</i>	Ca_Kabuli_Chr04	10293241	(C/G)
5821	CakSNP5821	<i>Kabuli</i>	Ca_Kabuli_Chr04	10294380	(A/G)
5822	CakSNP5822	<i>Kabuli</i>	Ca_Kabuli_Chr04	10305276	(G/A)
5823	CakSNP5823	<i>Kabuli</i>	Ca_Kabuli_Chr04	10305235	(A/G)
5824	CakSNP5824	<i>Kabuli</i>	Ca_Kabuli_Chr04	10305285	(C/A)
5825	CakSNP5825	<i>Kabuli</i>	Ca_Kabuli_Chr04	10411809	(G/A)
5826	CakSNP5826	<i>Kabuli</i>	Ca_Kabuli_Chr04	10422142	(A/T)
5827	CakSNP5827	<i>Kabuli</i>	Ca_Kabuli_Chr04	10422469	(C/A)
5828	CakSNP5828	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430622	(A/C)
5829	CakSNP5829	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430617	(A/C)
5830	CakSNP5830	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430613	(C/A)
5831	CakSNP5831	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430603	(G/A)
5832	CakSNP5832	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430595	(A/C)
5833	CakSNP5833	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430588	(T/C)
5834	CakSNP5834	<i>Kabuli</i>	Ca_Kabuli_Chr04	10430574	(A/T)
5835	CakSNP5835	<i>Kabuli</i>	Ca_Kabuli_Chr04	10464927	(T/G)
5836	CakSNP5836	<i>Kabuli</i>	Ca_Kabuli_Chr04	10465328	(T/C)
5837	CakSNP5837	<i>Kabuli</i>	Ca_Kabuli_Chr04	10547575	(G/A)
5838	CakSNP5838	<i>Kabuli</i>	Ca_Kabuli_Chr04	10547561	(T/C)
5839	CakSNP5839	<i>Kabuli</i>	Ca_Kabuli_Chr04	10642002	(A/G)
5840	CakSNP5840	<i>Kabuli</i>	Ca_Kabuli_Chr04	10642043	(T/G)
5841	CakSNP5841	<i>Kabuli</i>	Ca_Kabuli_Chr04	10642044	(A/T)
5842	CakSNP5842	<i>Kabuli</i>	Ca_Kabuli_Chr04	10643339	(T/A)
5843	CakSNP5843	<i>Kabuli</i>	Ca_Kabuli_Chr04	10643331	(T/A)
5844	CakSNP5844	<i>Kabuli</i>	Ca_Kabuli_Chr04	10644245	(G/A)
5845	CakSNP5845	<i>Kabuli</i>	Ca_Kabuli_Chr04	10670664	(C/A)
5846	CakSNP5846	<i>Kabuli</i>	Ca_Kabuli_Chr04	10699624	(A/T)
5847	CakSNP5847	<i>Kabuli</i>	Ca_Kabuli_Chr04	10780990	(A/G)
5848	CakSNP5848	<i>Kabuli</i>	Ca_Kabuli_Chr04	10807993	(T/C)
5849	CakSNP5849	<i>Kabuli</i>	Ca_Kabuli_Chr04	10827485	(G/A)
5850	CakSNP5850	<i>Kabuli</i>	Ca_Kabuli_Chr04	10827515	(C/G)
5851	CakSNP5851	<i>Kabuli</i>	Ca_Kabuli_Chr04	10901282	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5852	CakSNP5852	<i>Kabuli</i>	Ca_Kabuli_Chr04	10917723	(T/C)
5853	CakSNP5853	<i>Kabuli</i>	Ca_Kabuli_Chr04	10917717	(C/G)
5854	CakSNP5854	<i>Kabuli</i>	Ca_Kabuli_Chr04	10925490	(G/A)
5855	CakSNP5855	<i>Kabuli</i>	Ca_Kabuli_Chr04	10928923	(T/C)
5856	CakSNP5856	<i>Kabuli</i>	Ca_Kabuli_Chr04	10950823	(C/T)
5857	CakSNP5857	<i>Kabuli</i>	Ca_Kabuli_Chr04	10971039	(C/A)
5858	CakSNP5858	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990000	(T/C)
5859	CakSNP5859	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990008	(A/T)
5860	CakSNP5860	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990049	(G/T)
5861	CakSNP5861	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990058	(T/C)
5862	CakSNP5862	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990265	(T/A)
5863	CakSNP5863	<i>Kabuli</i>	Ca_Kabuli_Chr04	10990261	(A/G)
5864	CakSNP5864	<i>Kabuli</i>	Ca_Kabuli_Chr04	10991842	(G/A)
5865	CakSNP5865	<i>Kabuli</i>	Ca_Kabuli_Chr04	10991910	(C/T)
5866	CakSNP5866	<i>Kabuli</i>	Ca_Kabuli_Chr04	11040108	(C/T)
5867	CakSNP5867	<i>Kabuli</i>	Ca_Kabuli_Chr04	11051335	(C/T)
5868	CakSNP5868	<i>Kabuli</i>	Ca_Kabuli_Chr04	11059403	(T/G)
5869	CakSNP5869	<i>Kabuli</i>	Ca_Kabuli_Chr04	11059404	(T/G)
5870	CakSNP5870	<i>Kabuli</i>	Ca_Kabuli_Chr04	11059414	(T/G)
5871	CakSNP5871	<i>Kabuli</i>	Ca_Kabuli_Chr04	11059572	(G/A)
5872	CakSNP5872	<i>Kabuli</i>	Ca_Kabuli_Chr04	11059540	(T/C)
5873	CakSNP5873	<i>Kabuli</i>	Ca_Kabuli_Chr04	11096124	(A/G)
5874	CakSNP5874	<i>Kabuli</i>	Ca_Kabuli_Chr04	11096225	(A/G)
5875	CakSNP5875	<i>Kabuli</i>	Ca_Kabuli_Chr04	11096290	(G/A)
5876	CakSNP5876	<i>Kabuli</i>	Ca_Kabuli_Chr04	11113277	(A/C)
5877	CakSNP5877	<i>Kabuli</i>	Ca_Kabuli_Chr04	11114238	(T/C)
5878	CakSNP5878	<i>Kabuli</i>	Ca_Kabuli_Chr04	11142202	(A/G)
5879	CakSNP5879	<i>Kabuli</i>	Ca_Kabuli_Chr04	11142227	(C/T)
5880	CakSNP5880	<i>Kabuli</i>	Ca_Kabuli_Chr04	11196803	(T/G)
5881	CakSNP5881	<i>Kabuli</i>	Ca_Kabuli_Chr04	11230403	(G/T)
5882	CakSNP5882	<i>Kabuli</i>	Ca_Kabuli_Chr04	11230400	(T/A)
5883	CakSNP5883	<i>Kabuli</i>	Ca_Kabuli_Chr04	11230397	(G/C)
5884	CakSNP5884	<i>Kabuli</i>	Ca_Kabuli_Chr04	11231142	(A/G)
5885	CakSNP5885	<i>Kabuli</i>	Ca_Kabuli_Chr04	11231137	(A/G)
5886	CakSNP5886	<i>Kabuli</i>	Ca_Kabuli_Chr04	11231135	(C/T)
5887	CakSNP5887	<i>Kabuli</i>	Ca_Kabuli_Chr04	11244334	(T/G)
5888	CakSNP5888	<i>Kabuli</i>	Ca_Kabuli_Chr04	11244395	(G/T)
5889	CakSNP5889	<i>Kabuli</i>	Ca_Kabuli_Chr04	11246093	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5890	CakSNP5890	<i>Kabuli</i>	Ca_Kabuli_Chr04	11246173	(C/T)
5891	CakSNP5891	<i>Kabuli</i>	Ca_Kabuli_Chr04	11246164	(G/A)
5892	CakSNP5892	<i>Kabuli</i>	Ca_Kabuli_Chr04	11273328	(T/C)
5893	CakSNP5893	<i>Kabuli</i>	Ca_Kabuli_Chr04	11273405	(A/T)
5894	CakSNP5894	<i>Kabuli</i>	Ca_Kabuli_Chr04	11274281	(T/C)
5895	CakSNP5895	<i>Kabuli</i>	Ca_Kabuli_Chr04	11275171	(T/C)
5896	CakSNP5896	<i>Kabuli</i>	Ca_Kabuli_Chr04	11276413	(C/G)
5897	CakSNP5897	<i>Kabuli</i>	Ca_Kabuli_Chr04	11276484	(T/C)
5898	CakSNP5898	<i>Kabuli</i>	Ca_Kabuli_Chr04	11277138	(A/G)
5899	CakSNP5899	<i>Kabuli</i>	Ca_Kabuli_Chr04	11277297	(G/A)
5900	CakSNP5900	<i>Kabuli</i>	Ca_Kabuli_Chr04	11277574	(G/C)
5901	CakSNP5901	<i>Kabuli</i>	Ca_Kabuli_Chr04	11334350	(A/G)
5902	CakSNP5902	<i>Kabuli</i>	Ca_Kabuli_Chr04	11334343	(A/T)
5903	CakSNP5903	<i>Kabuli</i>	Ca_Kabuli_Chr04	11343257	(T/C)
5904	CakSNP5904	<i>Kabuli</i>	Ca_Kabuli_Chr04	11343230	(G/C)
5905	CakSNP5905	<i>Kabuli</i>	Ca_Kabuli_Chr04	11379077	(T/C)
5906	CakSNP5906	<i>Kabuli</i>	Ca_Kabuli_Chr04	11398699	(A/G)
5907	CakSNP5907	<i>Kabuli</i>	Ca_Kabuli_Chr04	11398682	(G/A)
5908	CakSNP5908	<i>Kabuli</i>	Ca_Kabuli_Chr04	11398889	(A/G)
5909	CakSNP5909	<i>Kabuli</i>	Ca_Kabuli_Chr04	11414506	(C/T)
5910	CakSNP5910	<i>Kabuli</i>	Ca_Kabuli_Chr04	11435651	(A/G)
5911	CakSNP5911	<i>Kabuli</i>	Ca_Kabuli_Chr04	11441604	(T/A)
5912	CakSNP5912	<i>Kabuli</i>	Ca_Kabuli_Chr04	11441615	(T/C)
5913	CakSNP5913	<i>Kabuli</i>	Ca_Kabuli_Chr04	11441619	(G/A)
5914	CakSNP5914	<i>Kabuli</i>	Ca_Kabuli_Chr04	11441655	(T/A)
5915	CakSNP5915	<i>Kabuli</i>	Ca_Kabuli_Chr04	11441707	(A/C)
5916	CakSNP5916	<i>Kabuli</i>	Ca_Kabuli_Chr04	11465057	(C/G)
5917	CakSNP5917	<i>Kabuli</i>	Ca_Kabuli_Chr04	11465075	(T/C)
5918	CakSNP5918	<i>Kabuli</i>	Ca_Kabuli_Chr04	11465113	(C/T)
5919	CakSNP5919	<i>Kabuli</i>	Ca_Kabuli_Chr04	11490100	(C/T)
5920	CakSNP5920	<i>Kabuli</i>	Ca_Kabuli_Chr04	11490154	(A/T)
5921	CakSNP5921	<i>Kabuli</i>	Ca_Kabuli_Chr04	11490125	(G/T)
5922	CakSNP5922	<i>Kabuli</i>	Ca_Kabuli_Chr04	11490496	(G/A)
5923	CakSNP5923	<i>Kabuli</i>	Ca_Kabuli_Chr04	11517582	(C/T)
5924	CakSNP5924	<i>Kabuli</i>	Ca_Kabuli_Chr04	11517517	(C/A)
5925	CakSNP5925	<i>Kabuli</i>	Ca_Kabuli_Chr04	11572051	(C/T)
5926	CakSNP5926	<i>Kabuli</i>	Ca_Kabuli_Chr04	11645738	(A/G)
5927	CakSNP5927	<i>Kabuli</i>	Ca_Kabuli_Chr04	11646347	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5928	CakSNP5928	<i>Kabuli</i>	Ca_Kabuli_Chr04	11646453	(G/A)
5929	CakSNP5929	<i>Kabuli</i>	Ca_Kabuli_Chr04	11658323	(A/G)
5930	CakSNP5930	<i>Kabuli</i>	Ca_Kabuli_Chr04	11658314	(A/G)
5931	CakSNP5931	<i>Kabuli</i>	Ca_Kabuli_Chr04	11689611	(C/T)
5932	CakSNP5932	<i>Kabuli</i>	Ca_Kabuli_Chr04	11689647	(T/C)
5933	CakSNP5933	<i>Kabuli</i>	Ca_Kabuli_Chr04	11752862	(A/G)
5934	CakSNP5934	<i>Kabuli</i>	Ca_Kabuli_Chr04	11752855	(A/G)
5935	CakSNP5935	<i>Kabuli</i>	Ca_Kabuli_Chr04	11772023	(G/T)
5936	CakSNP5936	<i>Kabuli</i>	Ca_Kabuli_Chr04	11838005	(C/T)
5937	CakSNP5937	<i>Kabuli</i>	Ca_Kabuli_Chr04	11852291	(A/G)
5938	CakSNP5938	<i>Kabuli</i>	Ca_Kabuli_Chr04	11926352	(G/C)
5939	CakSNP5939	<i>Kabuli</i>	Ca_Kabuli_Chr04	11985628	(G/A)
5940	CakSNP5940	<i>Kabuli</i>	Ca_Kabuli_Chr04	11985604	(C/T)
5941	CakSNP5941	<i>Kabuli</i>	Ca_Kabuli_Chr04	12004082	(A/T)
5942	CakSNP5942	<i>Kabuli</i>	Ca_Kabuli_Chr04	12004209	(C/T)
5943	CakSNP5943	<i>Kabuli</i>	Ca_Kabuli_Chr04	12004205	(A/C)
5944	CakSNP5944	<i>Kabuli</i>	Ca_Kabuli_Chr04	12023137	(A/T)
5945	CakSNP5945	<i>Kabuli</i>	Ca_Kabuli_Chr04	12023215	(G/A)
5946	CakSNP5946	<i>Kabuli</i>	Ca_Kabuli_Chr04	12045899	(T/A)
5947	CakSNP5947	<i>Kabuli</i>	Ca_Kabuli_Chr04	12045903	(C/A)
5948	CakSNP5948	<i>Kabuli</i>	Ca_Kabuli_Chr04	12045906	(C/A)
5949	CakSNP5949	<i>Kabuli</i>	Ca_Kabuli_Chr04	12045910	(G/A)
5950	CakSNP5950	<i>Kabuli</i>	Ca_Kabuli_Chr04	12070990	(T/A)
5951	CakSNP5951	<i>Kabuli</i>	Ca_Kabuli_Chr04	12070994	(C/A)
5952	CakSNP5952	<i>Kabuli</i>	Ca_Kabuli_Chr04	12070997	(C/A)
5953	CakSNP5953	<i>Kabuli</i>	Ca_Kabuli_Chr04	12071001	(G/A)
5954	CakSNP5954	<i>Kabuli</i>	Ca_Kabuli_Chr04	12167328	(A/G)
5955	CakSNP5955	<i>Kabuli</i>	Ca_Kabuli_Chr04	12167568	(G/A)
5956	CakSNP5956	<i>Kabuli</i>	Ca_Kabuli_Chr04	12212917	(G/A)
5957	CakSNP5957	<i>Kabuli</i>	Ca_Kabuli_Chr04	12213071	(C/A)
5958	CakSNP5958	<i>Kabuli</i>	Ca_Kabuli_Chr04	12213046	(T/C)
5959	CakSNP5959	<i>Kabuli</i>	Ca_Kabuli_Chr04	12234358	(C/A)
5960	CakSNP5960	<i>Kabuli</i>	Ca_Kabuli_Chr04	12249494	(T/C)
5961	CakSNP5961	<i>Kabuli</i>	Ca_Kabuli_Chr04	12251184	(G/A)
5962	CakSNP5962	<i>Kabuli</i>	Ca_Kabuli_Chr04	12274290	(A/T)
5963	CakSNP5963	<i>Kabuli</i>	Ca_Kabuli_Chr04	12316847	(T/C)
5964	CakSNP5964	<i>Kabuli</i>	Ca_Kabuli_Chr04	12431895	(C/T)
5965	CakSNP5965	<i>Kabuli</i>	Ca_Kabuli_Chr04	12431915	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5966	CakSNP5966	<i>Kabuli</i>	Ca_Kabuli_Chr04	12484911	(A/T)
5967	CakSNP5967	<i>Kabuli</i>	Ca_Kabuli_Chr04	12506440	(A/G)
5968	CakSNP5968	<i>Kabuli</i>	Ca_Kabuli_Chr04	12506450	(T/A)
5969	CakSNP5969	<i>Kabuli</i>	Ca_Kabuli_Chr04	12514728	(G/A)
5970	CakSNP5970	<i>Kabuli</i>	Ca_Kabuli_Chr04	12514726	(C/T)
5971	CakSNP5971	<i>Kabuli</i>	Ca_Kabuli_Chr04	12514724	(T/C)
5972	CakSNP5972	<i>Kabuli</i>	Ca_Kabuli_Chr04	12514706	(G/A)
5973	CakSNP5973	<i>Kabuli</i>	Ca_Kabuli_Chr04	12525328	(A/G)
5974	CakSNP5974	<i>Kabuli</i>	Ca_Kabuli_Chr04	12525358	(C/G)
5975	CakSNP5975	<i>Kabuli</i>	Ca_Kabuli_Chr04	12525639	(T/A)
5976	CakSNP5976	<i>Kabuli</i>	Ca_Kabuli_Chr04	12534847	(T/C)
5977	CakSNP5977	<i>Kabuli</i>	Ca_Kabuli_Chr04	12558541	(T/C)
5978	CakSNP5978	<i>Kabuli</i>	Ca_Kabuli_Chr04	12558680	(C/T)
5979	CakSNP5979	<i>Kabuli</i>	Ca_Kabuli_Chr04	12568707	(G/A)
5980	CakSNP5980	<i>Kabuli</i>	Ca_Kabuli_Chr04	12568845	(G/T)
5981	CakSNP5981	<i>Kabuli</i>	Ca_Kabuli_Chr04	12568905	(G/A)
5982	CakSNP5982	<i>Kabuli</i>	Ca_Kabuli_Chr04	12568944	(A/G)
5983	CakSNP5983	<i>Kabuli</i>	Ca_Kabuli_Chr04	12568995	(G/A)
5984	CakSNP5984	<i>Kabuli</i>	Ca_Kabuli_Chr04	12569133	(G/A)
5985	CakSNP5985	<i>Kabuli</i>	Ca_Kabuli_Chr04	12574650	(G/A)
5986	CakSNP5986	<i>Kabuli</i>	Ca_Kabuli_Chr04	12578259	(A/G)
5987	CakSNP5987	<i>Kabuli</i>	Ca_Kabuli_Chr04	12578350	(A/G)
5988	CakSNP5988	<i>Kabuli</i>	Ca_Kabuli_Chr04	12581371	(G/T)
5989	CakSNP5989	<i>Kabuli</i>	Ca_Kabuli_Chr04	12692925	(C/T)
5990	CakSNP5990	<i>Kabuli</i>	Ca_Kabuli_Chr04	12692958	(G/C)
5991	CakSNP5991	<i>Kabuli</i>	Ca_Kabuli_Chr04	12693000	(T/C)
5992	CakSNP5992	<i>Kabuli</i>	Ca_Kabuli_Chr04	12740330	(A/G)
5993	CakSNP5993	<i>Kabuli</i>	Ca_Kabuli_Chr04	12740351	(T/G)
5994	CakSNP5994	<i>Kabuli</i>	Ca_Kabuli_Chr04	12779146	(A/C)
5995	CakSNP5995	<i>Kabuli</i>	Ca_Kabuli_Chr04	12780274	(C/T)
5996	CakSNP5996	<i>Kabuli</i>	Ca_Kabuli_Chr04	12795036	(G/A)
5997	CakSNP5997	<i>Kabuli</i>	Ca_Kabuli_Chr04	12795037	(G/A)
5998	CakSNP5998	<i>Kabuli</i>	Ca_Kabuli_Chr04	12869023	(C/T)
5999	CakSNP5999	<i>Kabuli</i>	Ca_Kabuli_Chr04	12869049	(C/T)
6000	CakSNP6000	<i>Kabuli</i>	Ca_Kabuli_Chr04	12907910	(C/A)
6001	CakSNP6001	<i>Kabuli</i>	Ca_Kabuli_Chr04	12908080	(C/T)
6002	CakSNP6002	<i>Kabuli</i>	Ca_Kabuli_Chr04	12911860	(A/G)
6003	CakSNP6003	<i>Kabuli</i>	Ca_Kabuli_Chr04	12911874	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6004	CakSNP6004	<i>Kabuli</i>	Ca_Kabuli_Chr04	12911888	(G/C)
6005	CakSNP6005	<i>Kabuli</i>	Ca_Kabuli_Chr04	12912015	(G/A)
6006	CakSNP6006	<i>Kabuli</i>	Ca_Kabuli_Chr04	12955130	(G/A)
6007	CakSNP6007	<i>Kabuli</i>	Ca_Kabuli_Chr04	12973657	(C/A)
6008	CakSNP6008	<i>Kabuli</i>	Ca_Kabuli_Chr04	12982420	(G/A)
6009	CakSNP6009	<i>Kabuli</i>	Ca_Kabuli_Chr04	13018788	(C/G)
6010	CakSNP6010	<i>Kabuli</i>	Ca_Kabuli_Chr04	13020891	(A/G)
6011	CakSNP6011	<i>Kabuli</i>	Ca_Kabuli_Chr04	13050470	(T/C)
6012	CakSNP6012	<i>Kabuli</i>	Ca_Kabuli_Chr04	13050516	(A/G)
6013	CakSNP6013	<i>Kabuli</i>	Ca_Kabuli_Chr04	13050527	(C/T)
6014	CakSNP6014	<i>Kabuli</i>	Ca_Kabuli_Chr04	13050585	(C/T)
6015	CakSNP6015	<i>Kabuli</i>	Ca_Kabuli_Chr04	13062744	(T/A)
6016	CakSNP6016	<i>Kabuli</i>	Ca_Kabuli_Chr04	13062761	(A/T)
6017	CakSNP6017	<i>Kabuli</i>	Ca_Kabuli_Chr04	13062805	(C/G)
6018	CakSNP6018	<i>Kabuli</i>	Ca_Kabuli_Chr04	13062972	(A/T)
6019	CakSNP6019	<i>Kabuli</i>	Ca_Kabuli_Chr04	13063689	(T/A)
6020	CakSNP6020	<i>Kabuli</i>	Ca_Kabuli_Chr04	13063699	(G/T)
6021	CakSNP6021	<i>Kabuli</i>	Ca_Kabuli_Chr04	13069574	(T/C)
6022	CakSNP6022	<i>Kabuli</i>	Ca_Kabuli_Chr04	13071169	(T/A)
6023	CakSNP6023	<i>Kabuli</i>	Ca_Kabuli_Chr04	13071199	(A/T)
6024	CakSNP6024	<i>Kabuli</i>	Ca_Kabuli_Chr04	13071230	(T/G)
6025	CakSNP6025	<i>Kabuli</i>	Ca_Kabuli_Chr04	13072114	(T/A)
6026	CakSNP6026	<i>Kabuli</i>	Ca_Kabuli_Chr04	13072118	(T/G)
6027	CakSNP6027	<i>Kabuli</i>	Ca_Kabuli_Chr04	13072208	(C/A)
6028	CakSNP6028	<i>Kabuli</i>	Ca_Kabuli_Chr04	13082999	(A/G)
6029	CakSNP6029	<i>Kabuli</i>	Ca_Kabuli_Chr04	13102381	(G/A)
6030	CakSNP6030	<i>Kabuli</i>	Ca_Kabuli_Chr04	13102348	(G/T)
6031	CakSNP6031	<i>Kabuli</i>	Ca_Kabuli_Chr04	13147948	(A/G)
6032	CakSNP6032	<i>Kabuli</i>	Ca_Kabuli_Chr04	13147951	(C/T)
6033	CakSNP6033	<i>Kabuli</i>	Ca_Kabuli_Chr04	13147960	(T/C)
6034	CakSNP6034	<i>Kabuli</i>	Ca_Kabuli_Chr04	13147965	(A/G)
6035	CakSNP6035	<i>Kabuli</i>	Ca_Kabuli_Chr04	13148016	(G/A)
6036	CakSNP6036	<i>Kabuli</i>	Ca_Kabuli_Chr04	13179829	(T/C)
6037	CakSNP6037	<i>Kabuli</i>	Ca_Kabuli_Chr04	13203008	(A/T)
6038	CakSNP6038	<i>Kabuli</i>	Ca_Kabuli_Chr04	13229035	(C/T)
6039	CakSNP6039	<i>Kabuli</i>	Ca_Kabuli_Chr04	13252015	(A/T)
6040	CakSNP6040	<i>Kabuli</i>	Ca_Kabuli_Chr04	13252077	(C/G)
6041	CakSNP6041	<i>Kabuli</i>	Ca_Kabuli_Chr04	13252126	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6042	CakSNP6042	<i>Kabuli</i>	Ca_Kabuli_Chr04	13252212	(G/A)
6043	CakSNP6043	<i>Kabuli</i>	Ca_Kabuli_Chr04	13272282	(T/C)
6044	CakSNP6044	<i>Kabuli</i>	Ca_Kabuli_Chr04	13282984	(A/C)
6045	CakSNP6045	<i>Kabuli</i>	Ca_Kabuli_Chr04	13296221	(A/T)
6046	CakSNP6046	<i>Kabuli</i>	Ca_Kabuli_Chr04	13296217	(G/T)
6047	CakSNP6047	<i>Kabuli</i>	Ca_Kabuli_Chr04	13310700	(T/C)
6048	CakSNP6048	<i>Kabuli</i>	Ca_Kabuli_Chr04	13318811	(C/T)
6049	CakSNP6049	<i>Kabuli</i>	Ca_Kabuli_Chr04	13331280	(A/G)
6050	CakSNP6050	<i>Kabuli</i>	Ca_Kabuli_Chr04	13332384	(G/A)
6051	CakSNP6051	<i>Kabuli</i>	Ca_Kabuli_Chr04	13332452	(T/C)
6052	CakSNP6052	<i>Kabuli</i>	Ca_Kabuli_Chr04	13376456	(A/T)
6053	CakSNP6053	<i>Kabuli</i>	Ca_Kabuli_Chr04	13463481	(C/T)
6054	CakSNP6054	<i>Kabuli</i>	Ca_Kabuli_Chr04	13500679	(A/C)
6055	CakSNP6055	<i>Kabuli</i>	Ca_Kabuli_Chr04	13500693	(G/A)
6056	CakSNP6056	<i>Kabuli</i>	Ca_Kabuli_Chr04	13588956	(C/T)
6057	CakSNP6057	<i>Kabuli</i>	Ca_Kabuli_Chr04	13588928	(T/C)
6058	CakSNP6058	<i>Kabuli</i>	Ca_Kabuli_Chr04	13646571	(T/C)
6059	CakSNP6059	<i>Kabuli</i>	Ca_Kabuli_Chr04	13646628	(C/T)
6060	CakSNP6060	<i>Kabuli</i>	Ca_Kabuli_Chr04	13687456	(G/A)
6061	CakSNP6061	<i>Kabuli</i>	Ca_Kabuli_Chr04	13713380	(G/T)
6062	CakSNP6062	<i>Kabuli</i>	Ca_Kabuli_Chr04	13713367	(G/C)
6063	CakSNP6063	<i>Kabuli</i>	Ca_Kabuli_Chr04	13724666	(G/C)
6064	CakSNP6064	<i>Kabuli</i>	Ca_Kabuli_Chr04	13787448	(A/C)
6065	CakSNP6065	<i>Kabuli</i>	Ca_Kabuli_Chr04	13787649	(T/C)
6066	CakSNP6066	<i>Kabuli</i>	Ca_Kabuli_Chr04	13787720	(G/C)
6067	CakSNP6067	<i>Kabuli</i>	Ca_Kabuli_Chr04	13823667	(T/A)
6068	CakSNP6068	<i>Kabuli</i>	Ca_Kabuli_Chr04	13823672	(G/T)
6069	CakSNP6069	<i>Kabuli</i>	Ca_Kabuli_Chr04	13823695	(T/C)
6070	CakSNP6070	<i>Kabuli</i>	Ca_Kabuli_Chr04	13838241	(G/T)
6071	CakSNP6071	<i>Kabuli</i>	Ca_Kabuli_Chr04	13838796	(A/G)
6072	CakSNP6072	<i>Kabuli</i>	Ca_Kabuli_Chr04	13839294	(A/G)
6073	CakSNP6073	<i>Kabuli</i>	Ca_Kabuli_Chr04	13839288	(G/A)
6074	CakSNP6074	<i>Kabuli</i>	Ca_Kabuli_Chr04	13840191	(T/A)
6075	CakSNP6075	<i>Kabuli</i>	Ca_Kabuli_Chr04	13840227	(C/A)
6076	CakSNP6076	<i>Kabuli</i>	Ca_Kabuli_Chr04	13840251	(A/G)
6077	CakSNP6077	<i>Kabuli</i>	Ca_Kabuli_Chr04	13840484	(T/C)
6078	CakSNP6078	<i>Kabuli</i>	Ca_Kabuli_Chr04	13841340	(G/T)
6079	CakSNP6079	<i>Kabuli</i>	Ca_Kabuli_Chr04	13841401	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6080	CakSNP6080	<i>Kabuli</i>	Ca_Kabuli_Chr04	13845581	(A/T)
6081	CakSNP6081	<i>Kabuli</i>	Ca_Kabuli_Chr04	13845639	(A/C)
6082	CakSNP6082	<i>Kabuli</i>	Ca_Kabuli_Chr04	13845675	(T/A)
6083	CakSNP6083	<i>Kabuli</i>	Ca_Kabuli_Chr04	13900013	(A/G)
6084	CakSNP6084	<i>Kabuli</i>	Ca_Kabuli_Chr04	13923366	(T/C)
6085	CakSNP6085	<i>Kabuli</i>	Ca_Kabuli_Chr04	13949513	(A/C)
6086	CakSNP6086	<i>Kabuli</i>	Ca_Kabuli_Chr04	13949580	(C/G)
6087	CakSNP6087	<i>Kabuli</i>	Ca_Kabuli_Chr04	13954832	(G/A)
6088	CakSNP6088	<i>Kabuli</i>	Ca_Kabuli_Chr04	13968291	(C/T)
6089	CakSNP6089	<i>Kabuli</i>	Ca_Kabuli_Chr04	13968397	(A/G)
6090	CakSNP6090	<i>Kabuli</i>	Ca_Kabuli_Chr04	13968354	(A/G)
6091	CakSNP6091	<i>Kabuli</i>	Ca_Kabuli_Chr04	13982970	(G/A)
6092	CakSNP6092	<i>Kabuli</i>	Ca_Kabuli_Chr04	14031548	(A/G)
6093	CakSNP6093	<i>Kabuli</i>	Ca_Kabuli_Chr04	14056908	(A/G)
6094	CakSNP6094	<i>Kabuli</i>	Ca_Kabuli_Chr04	14073059	(C/T)
6095	CakSNP6095	<i>Kabuli</i>	Ca_Kabuli_Chr04	14073056	(C/T)
6096	CakSNP6096	<i>Kabuli</i>	Ca_Kabuli_Chr04	14073045	(G/A)
6097	CakSNP6097	<i>Kabuli</i>	Ca_Kabuli_Chr04	14073044	(C/T)
6098	CakSNP6098	<i>Kabuli</i>	Ca_Kabuli_Chr04	14073004	(C/A)
6099	CakSNP6099	<i>Kabuli</i>	Ca_Kabuli_Chr04	14082157	(C/A)
6100	CakSNP6100	<i>Kabuli</i>	Ca_Kabuli_Chr04	14082158	(T/G)
6101	CakSNP6101	<i>Kabuli</i>	Ca_Kabuli_Chr04	14082186	(G/A)
6102	CakSNP6102	<i>Kabuli</i>	Ca_Kabuli_Chr04	14082210	(T/C)
6103	CakSNP6103	<i>Kabuli</i>	Ca_Kabuli_Chr04	14082285	(C/G)
6104	CakSNP6104	<i>Kabuli</i>	Ca_Kabuli_Chr04	14093027	(A/G)
6105	CakSNP6105	<i>Kabuli</i>	Ca_Kabuli_Chr04	14104096	(A/C)
6106	CakSNP6106	<i>Kabuli</i>	Ca_Kabuli_Chr04	14112911	(C/A)
6107	CakSNP6107	<i>Kabuli</i>	Ca_Kabuli_Chr04	14132659	(A/C)
6108	CakSNP6108	<i>Kabuli</i>	Ca_Kabuli_Chr04	14149589	(G/A)
6109	CakSNP6109	<i>Kabuli</i>	Ca_Kabuli_Chr04	14149588	(A/G)
6110	CakSNP6110	<i>Kabuli</i>	Ca_Kabuli_Chr04	14155978	(A/G)
6111	CakSNP6111	<i>Kabuli</i>	Ca_Kabuli_Chr04	14156014	(C/T)
6112	CakSNP6112	<i>Kabuli</i>	Ca_Kabuli_Chr04	14163060	(C/T)
6113	CakSNP6113	<i>Kabuli</i>	Ca_Kabuli_Chr04	14181527	(A/G)
6114	CakSNP6114	<i>Kabuli</i>	Ca_Kabuli_Chr04	14189356	(A/C)
6115	CakSNP6115	<i>Kabuli</i>	Ca_Kabuli_Chr04	14199191	(G/C)
6116	CakSNP6116	<i>Kabuli</i>	Ca_Kabuli_Chr04	14225284	(A/G)
6117	CakSNP6117	<i>Kabuli</i>	Ca_Kabuli_Chr04	14270811	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6118	CakSNP6118	<i>Kabuli</i>	Ca_Kabuli_Chr04	14270763	(G/A)
6119	CakSNP6119	<i>Kabuli</i>	Ca_Kabuli_Chr04	14453942	(T/C)
6120	CakSNP6120	<i>Kabuli</i>	Ca_Kabuli_Chr04	14515543	(T/A)
6121	CakSNP6121	<i>Kabuli</i>	Ca_Kabuli_Chr04	14515531	(T/A)
6122	CakSNP6122	<i>Kabuli</i>	Ca_Kabuli_Chr04	14517424	(C/T)
6123	CakSNP6123	<i>Kabuli</i>	Ca_Kabuli_Chr04	14529007	(A/G)
6124	CakSNP6124	<i>Kabuli</i>	Ca_Kabuli_Chr04	14565948	(A/C)
6125	CakSNP6125	<i>Kabuli</i>	Ca_Kabuli_Chr04	14566064	(G/A)
6126	CakSNP6126	<i>Kabuli</i>	Ca_Kabuli_Chr04	14566074	(T/A)
6127	CakSNP6127	<i>Kabuli</i>	Ca_Kabuli_Chr04	14566081	(A/G)
6128	CakSNP6128	<i>Kabuli</i>	Ca_Kabuli_Chr04	14611177	(A/G)
6129	CakSNP6129	<i>Kabuli</i>	Ca_Kabuli_Chr04	14657743	(C/T)
6130	CakSNP6130	<i>Kabuli</i>	Ca_Kabuli_Chr04	14696775	(T/C)
6131	CakSNP6131	<i>Kabuli</i>	Ca_Kabuli_Chr04	14698825	(A/T)
6132	CakSNP6132	<i>Kabuli</i>	Ca_Kabuli_Chr04	14699270	(T/C)
6133	CakSNP6133	<i>Kabuli</i>	Ca_Kabuli_Chr04	14748051	(A/C)
6134	CakSNP6134	<i>Kabuli</i>	Ca_Kabuli_Chr04	14770484	(C/T)
6135	CakSNP6135	<i>Kabuli</i>	Ca_Kabuli_Chr04	14770524	(G/C)
6136	CakSNP6136	<i>Kabuli</i>	Ca_Kabuli_Chr04	14770525	(G/A)
6137	CakSNP6137	<i>Kabuli</i>	Ca_Kabuli_Chr04	14770532	(C/T)
6138	CakSNP6138	<i>Kabuli</i>	Ca_Kabuli_Chr04	14785530	(G/A)
6139	CakSNP6139	<i>Kabuli</i>	Ca_Kabuli_Chr04	14785557	(A/C)
6140	CakSNP6140	<i>Kabuli</i>	Ca_Kabuli_Chr04	14786093	(C/G)
6141	CakSNP6141	<i>Kabuli</i>	Ca_Kabuli_Chr04	14831204	(A/T)
6142	CakSNP6142	<i>Kabuli</i>	Ca_Kabuli_Chr04	14831298	(A/T)
6143	CakSNP6143	<i>Kabuli</i>	Ca_Kabuli_Chr04	14855406	(T/C)
6144	CakSNP6144	<i>Kabuli</i>	Ca_Kabuli_Chr04	14855417	(T/A)
6145	CakSNP6145	<i>Kabuli</i>	Ca_Kabuli_Chr04	14870658	(T/G)
6146	CakSNP6146	<i>Kabuli</i>	Ca_Kabuli_Chr04	14870641	(G/A)
6147	CakSNP6147	<i>Kabuli</i>	Ca_Kabuli_Chr04	14989557	(C/T)
6148	CakSNP6148	<i>Kabuli</i>	Ca_Kabuli_Chr04	14989544	(C/T)
6149	CakSNP6149	<i>Kabuli</i>	Ca_Kabuli_Chr04	14989526	(G/A)
6150	CakSNP6150	<i>Kabuli</i>	Ca_Kabuli_Chr04	15025765	(T/A)
6151	CakSNP6151	<i>Kabuli</i>	Ca_Kabuli_Chr04	15025785	(T/G)
6152	CakSNP6152	<i>Kabuli</i>	Ca_Kabuli_Chr04	15026058	(C/T)
6153	CakSNP6153	<i>Kabuli</i>	Ca_Kabuli_Chr04	15036362	(A/G)
6154	CakSNP6154	<i>Kabuli</i>	Ca_Kabuli_Chr04	15039897	(C/G)
6155	CakSNP6155	<i>Kabuli</i>	Ca_Kabuli_Chr04	15039905	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6156	CakSNP6156	<i>Kabuli</i>	Ca_Kabuli_Chr04	15039948	(G/C)
6157	CakSNP6157	<i>Kabuli</i>	Ca_Kabuli_Chr04	15039996	(C/T)
6158	CakSNP6158	<i>Kabuli</i>	Ca_Kabuli_Chr04	15040072	(A/C)
6159	CakSNP6159	<i>Kabuli</i>	Ca_Kabuli_Chr04	15053643	(T/C)
6160	CakSNP6160	<i>Kabuli</i>	Ca_Kabuli_Chr04	15075489	(T/G)
6161	CakSNP6161	<i>Kabuli</i>	Ca_Kabuli_Chr04	15075502	(G/T)
6162	CakSNP6162	<i>Kabuli</i>	Ca_Kabuli_Chr04	15159143	(A/G)
6163	CakSNP6163	<i>Kabuli</i>	Ca_Kabuli_Chr04	15190387	(T/G)
6164	CakSNP6164	<i>Kabuli</i>	Ca_Kabuli_Chr04	15190423	(T/A)
6165	CakSNP6165	<i>Kabuli</i>	Ca_Kabuli_Chr04	15212787	(G/A)
6166	CakSNP6166	<i>Kabuli</i>	Ca_Kabuli_Chr04	15240675	(G/A)
6167	CakSNP6167	<i>Kabuli</i>	Ca_Kabuli_Chr04	15240678	(T/C)
6168	CakSNP6168	<i>Kabuli</i>	Ca_Kabuli_Chr04	15299232	(G/A)
6169	CakSNP6169	<i>Kabuli</i>	Ca_Kabuli_Chr04	15320777	(G/A)
6170	CakSNP6170	<i>Kabuli</i>	Ca_Kabuli_Chr04	15357651	(C/T)
6171	CakSNP6171	<i>Kabuli</i>	Ca_Kabuli_Chr04	15357695	(A/G)
6172	CakSNP6172	<i>Kabuli</i>	Ca_Kabuli_Chr04	15394470	(T/C)
6173	CakSNP6173	<i>Kabuli</i>	Ca_Kabuli_Chr04	15448826	(G/T)
6174	CakSNP6174	<i>Kabuli</i>	Ca_Kabuli_Chr04	15449843	(A/G)
6175	CakSNP6175	<i>Kabuli</i>	Ca_Kabuli_Chr04	15542543	(T/C)
6176	CakSNP6176	<i>Kabuli</i>	Ca_Kabuli_Chr04	15542597	(A/G)
6177	CakSNP6177	<i>Kabuli</i>	Ca_Kabuli_Chr04	15552690	(C/T)
6178	CakSNP6178	<i>Kabuli</i>	Ca_Kabuli_Chr04	15552683	(C/T)
6179	CakSNP6179	<i>Kabuli</i>	Ca_Kabuli_Chr04	15697128	(A/G)
6180	CakSNP6180	<i>Kabuli</i>	Ca_Kabuli_Chr04	15697303	(G/T)
6181	CakSNP6181	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698212	(G/T)
6182	CakSNP6182	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698179	(G/A)
6183	CakSNP6183	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698233	(A/C)
6184	CakSNP6184	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698305	(T/C)
6185	CakSNP6185	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698405	(G/A)
6186	CakSNP6186	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698486	(T/C)
6187	CakSNP6187	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698456	(T/C)
6188	CakSNP6188	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698444	(C/T)
6189	CakSNP6189	<i>Kabuli</i>	Ca_Kabuli_Chr04	15698420	(G/C)
6190	CakSNP6190	<i>Kabuli</i>	Ca_Kabuli_Chr04	15700603	(A/T)
6191	CakSNP6191	<i>Kabuli</i>	Ca_Kabuli_Chr04	15700630	(G/A)
6192	CakSNP6192	<i>Kabuli</i>	Ca_Kabuli_Chr04	15713955	(G/A)
6193	CakSNP6193	<i>Kabuli</i>	Ca_Kabuli_Chr04	15717281	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6194	CakSNP6194	<i>Kabuli</i>	Ca_Kabuli_Chr04	15735993	(T/C)
6195	CakSNP6195	<i>Kabuli</i>	Ca_Kabuli_Chr04	15736015	(C/T)
6196	CakSNP6196	<i>Kabuli</i>	Ca_Kabuli_Chr04	15736562	(A/T)
6197	CakSNP6197	<i>Kabuli</i>	Ca_Kabuli_Chr04	15736619	(T/G)
6198	CakSNP6198	<i>Kabuli</i>	Ca_Kabuli_Chr04	15736627	(T/C)
6199	CakSNP6199	<i>Kabuli</i>	Ca_Kabuli_Chr04	15744703	(T/G)
6200	CakSNP6200	<i>Kabuli</i>	Ca_Kabuli_Chr04	15752567	(G/C)
6201	CakSNP6201	<i>Kabuli</i>	Ca_Kabuli_Chr04	15766341	(A/G)
6202	CakSNP6202	<i>Kabuli</i>	Ca_Kabuli_Chr04	15766360	(G/A)
6203	CakSNP6203	<i>Kabuli</i>	Ca_Kabuli_Chr04	15772235	(C/A)
6204	CakSNP6204	<i>Kabuli</i>	Ca_Kabuli_Chr04	15772275	(A/G)
6205	CakSNP6205	<i>Kabuli</i>	Ca_Kabuli_Chr04	15821282	(G/A)
6206	CakSNP6206	<i>Kabuli</i>	Ca_Kabuli_Chr04	15821311	(T/A)
6207	CakSNP6207	<i>Kabuli</i>	Ca_Kabuli_Chr04	15825621	(A/T)
6208	CakSNP6208	<i>Kabuli</i>	Ca_Kabuli_Chr04	15860388	(A/G)
6209	CakSNP6209	<i>Kabuli</i>	Ca_Kabuli_Chr04	15860359	(C/A)
6210	CakSNP6210	<i>Kabuli</i>	Ca_Kabuli_Chr04	15900602	(G/A)
6211	CakSNP6211	<i>Kabuli</i>	Ca_Kabuli_Chr04	15925936	(T/G)
6212	CakSNP6212	<i>Kabuli</i>	Ca_Kabuli_Chr04	15926160	(A/G)
6213	CakSNP6213	<i>Kabuli</i>	Ca_Kabuli_Chr04	15934607	(A/T)
6214	CakSNP6214	<i>Kabuli</i>	Ca_Kabuli_Chr04	15934901	(T/G)
6215	CakSNP6215	<i>Kabuli</i>	Ca_Kabuli_Chr04	15957070	(T/A)
6216	CakSNP6216	<i>Kabuli</i>	Ca_Kabuli_Chr04	16027272	(G/A)
6217	CakSNP6217	<i>Kabuli</i>	Ca_Kabuli_Chr04	16027292	(A/C)
6218	CakSNP6218	<i>Kabuli</i>	Ca_Kabuli_Chr04	16027368	(G/T)
6219	CakSNP6219	<i>Kabuli</i>	Ca_Kabuli_Chr04	16027299	(T/A)
6220	CakSNP6220	<i>Kabuli</i>	Ca_Kabuli_Chr04	16045694	(T/G)
6221	CakSNP6221	<i>Kabuli</i>	Ca_Kabuli_Chr04	16045870	(G/A)
6222	CakSNP6222	<i>Kabuli</i>	Ca_Kabuli_Chr04	16046928	(T/C)
6223	CakSNP6223	<i>Kabuli</i>	Ca_Kabuli_Chr04	16278600	(C/T)
6224	CakSNP6224	<i>Kabuli</i>	Ca_Kabuli_Chr04	16278671	(T/A)
6225	CakSNP6225	<i>Kabuli</i>	Ca_Kabuli_Chr04	16446305	(T/C)
6226	CakSNP6226	<i>Kabuli</i>	Ca_Kabuli_Chr04	16446341	(T/G)
6227	CakSNP6227	<i>Kabuli</i>	Ca_Kabuli_Chr04	16446336	(C/G)
6228	CakSNP6228	<i>Kabuli</i>	Ca_Kabuli_Chr04	16446956	(T/C)
6229	CakSNP6229	<i>Kabuli</i>	Ca_Kabuli_Chr04	16457940	(G/A)
6230	CakSNP6230	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501291	(T/A)
6231	CakSNP6231	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501306	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6232	CakSNP6232	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501354	(C/T)
6233	CakSNP6233	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501782	(G/A)
6234	CakSNP6234	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501781	(C/A)
6235	CakSNP6235	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501769	(C/T)
6236	CakSNP6236	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501738	(G/A)
6237	CakSNP6237	<i>Kabuli</i>	Ca_Kabuli_Chr04	16501716	(T/C)
6238	CakSNP6238	<i>Kabuli</i>	Ca_Kabuli_Chr04	16505159	(A/G)
6239	CakSNP6239	<i>Kabuli</i>	Ca_Kabuli_Chr04	16536754	(C/T)
6240	CakSNP6240	<i>Kabuli</i>	Ca_Kabuli_Chr04	16571288	(T/C)
6241	CakSNP6241	<i>Kabuli</i>	Ca_Kabuli_Chr04	16586863	(G/C)
6242	CakSNP6242	<i>Kabuli</i>	Ca_Kabuli_Chr04	16586913	(G/C)
6243	CakSNP6243	<i>Kabuli</i>	Ca_Kabuli_Chr04	16586929	(G/C)
6244	CakSNP6244	<i>Kabuli</i>	Ca_Kabuli_Chr04	16619312	(T/C)
6245	CakSNP6245	<i>Kabuli</i>	Ca_Kabuli_Chr04	16622514	(C/A)
6246	CakSNP6246	<i>Kabuli</i>	Ca_Kabuli_Chr04	16625148	(T/G)
6247	CakSNP6247	<i>Kabuli</i>	Ca_Kabuli_Chr04	16625270	(T/G)
6248	CakSNP6248	<i>Kabuli</i>	Ca_Kabuli_Chr04	16625221	(G/A)
6249	CakSNP6249	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628559	(T/G)
6250	CakSNP6250	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628591	(T/G)
6251	CakSNP6251	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628594	(T/G)
6252	CakSNP6252	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628542	(G/A)
6253	CakSNP6253	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628540	(G/A)
6254	CakSNP6254	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628536	(T/A)
6255	CakSNP6255	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628529	(C/A)
6256	CakSNP6256	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628527	(G/A)
6257	CakSNP6257	<i>Kabuli</i>	Ca_Kabuli_Chr04	16628523	(T/C)
6258	CakSNP6258	<i>Kabuli</i>	Ca_Kabuli_Chr04	16629560	(G/T)
6259	CakSNP6259	<i>Kabuli</i>	Ca_Kabuli_Chr04	16629559	(T/G)
6260	CakSNP6260	<i>Kabuli</i>	Ca_Kabuli_Chr04	16629638	(C/A)
6261	CakSNP6261	<i>Kabuli</i>	Ca_Kabuli_Chr04	16630385	(G/T)
6262	CakSNP6262	<i>Kabuli</i>	Ca_Kabuli_Chr04	16669916	(T/C)
6263	CakSNP6263	<i>Kabuli</i>	Ca_Kabuli_Chr04	16749740	(A/G)
6264	CakSNP6264	<i>Kabuli</i>	Ca_Kabuli_Chr04	16750416	(A/G)
6265	CakSNP6265	<i>Kabuli</i>	Ca_Kabuli_Chr04	16751205	(T/C)
6266	CakSNP6266	<i>Kabuli</i>	Ca_Kabuli_Chr04	16789476	(G/A)
6267	CakSNP6267	<i>Kabuli</i>	Ca_Kabuli_Chr04	16789532	(A/C)
6268	CakSNP6268	<i>Kabuli</i>	Ca_Kabuli_Chr04	16820726	(C/A)
6269	CakSNP6269	<i>Kabuli</i>	Ca_Kabuli_Chr04	16837336	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6270	CakSNP6270	<i>Kabuli</i>	Ca_Kabuli_Chr04	16839081	(T/A)
6271	CakSNP6271	<i>Kabuli</i>	Ca_Kabuli_Chr04	16845299	(G/A)
6272	CakSNP6272	<i>Kabuli</i>	Ca_Kabuli_Chr04	16889650	(A/T)
6273	CakSNP6273	<i>Kabuli</i>	Ca_Kabuli_Chr04	16926545	(T/C)
6274	CakSNP6274	<i>Kabuli</i>	Ca_Kabuli_Chr04	16926527	(T/A)
6275	CakSNP6275	<i>Kabuli</i>	Ca_Kabuli_Chr04	16926614	(A/T)
6276	CakSNP6276	<i>Kabuli</i>	Ca_Kabuli_Chr04	17028303	(A/G)
6277	CakSNP6277	<i>Kabuli</i>	Ca_Kabuli_Chr04	17028368	(G/A)
6278	CakSNP6278	<i>Kabuli</i>	Ca_Kabuli_Chr04	17028523	(C/T)
6279	CakSNP6279	<i>Kabuli</i>	Ca_Kabuli_Chr04	17028495	(T/A)
6280	CakSNP6280	<i>Kabuli</i>	Ca_Kabuli_Chr04	17032676	(T/C)
6281	CakSNP6281	<i>Kabuli</i>	Ca_Kabuli_Chr04	17032673	(C/T)
6282	CakSNP6282	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059830	(G/A)
6283	CakSNP6283	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059833	(A/T)
6284	CakSNP6284	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059852	(T/C)
6285	CakSNP6285	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059866	(G/A)
6286	CakSNP6286	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059872	(A/G)
6287	CakSNP6287	<i>Kabuli</i>	Ca_Kabuli_Chr04	17059887	(G/A)
6288	CakSNP6288	<i>Kabuli</i>	Ca_Kabuli_Chr04	17093090	(C/G)
6289	CakSNP6289	<i>Kabuli</i>	Ca_Kabuli_Chr04	17147875	(C/T)
6290	CakSNP6290	<i>Kabuli</i>	Ca_Kabuli_Chr04	17147926	(T/C)
6291	CakSNP6291	<i>Kabuli</i>	Ca_Kabuli_Chr04	17187560	(C/G)
6292	CakSNP6292	<i>Kabuli</i>	Ca_Kabuli_Chr04	17191562	(T/A)
6293	CakSNP6293	<i>Kabuli</i>	Ca_Kabuli_Chr04	17199316	(T/C)
6294	CakSNP6294	<i>Kabuli</i>	Ca_Kabuli_Chr04	17199477	(G/A)
6295	CakSNP6295	<i>Kabuli</i>	Ca_Kabuli_Chr04	17199432	(G/A)
6296	CakSNP6296	<i>Kabuli</i>	Ca_Kabuli_Chr04	17202770	(A/G)
6297	CakSNP6297	<i>Kabuli</i>	Ca_Kabuli_Chr04	17225334	(G/A)
6298	CakSNP6298	<i>Kabuli</i>	Ca_Kabuli_Chr04	17264248	(C/A)
6299	CakSNP6299	<i>Kabuli</i>	Ca_Kabuli_Chr04	17264592	(G/A)
6300	CakSNP6300	<i>Kabuli</i>	Ca_Kabuli_Chr04	17264621	(C/G)
6301	CakSNP6301	<i>Kabuli</i>	Ca_Kabuli_Chr04	17264637	(C/T)
6302	CakSNP6302	<i>Kabuli</i>	Ca_Kabuli_Chr04	17282119	(T/C)
6303	CakSNP6303	<i>Kabuli</i>	Ca_Kabuli_Chr04	17282139	(G/C)
6304	CakSNP6304	<i>Kabuli</i>	Ca_Kabuli_Chr04	17282148	(G/C)
6305	CakSNP6305	<i>Kabuli</i>	Ca_Kabuli_Chr04	17282336	(G/T)
6306	CakSNP6306	<i>Kabuli</i>	Ca_Kabuli_Chr04	17282345	(G/C)
6307	CakSNP6307	<i>Kabuli</i>	Ca_Kabuli_Chr04	17289594	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6308	CakSNP6308	<i>Kabuli</i>	Ca_Kabuli_Chr04	17297498	(G/T)
6309	CakSNP6309	<i>Kabuli</i>	Ca_Kabuli_Chr04	17297567	(G/A)
6310	CakSNP6310	<i>Kabuli</i>	Ca_Kabuli_Chr04	17297563	(A/G)
6311	CakSNP6311	<i>Kabuli</i>	Ca_Kabuli_Chr04	17309656	(A/C)
6312	CakSNP6312	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345431	(T/C)
6313	CakSNP6313	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345436	(G/T)
6314	CakSNP6314	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345439	(G/A)
6315	CakSNP6315	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345448	(T/G)
6316	CakSNP6316	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345500	(G/A)
6317	CakSNP6317	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345483	(C/A)
6318	CakSNP6318	<i>Kabuli</i>	Ca_Kabuli_Chr04	17345454	(A/G)
6319	CakSNP6319	<i>Kabuli</i>	Ca_Kabuli_Chr04	17358736	(C/T)
6320	CakSNP6320	<i>Kabuli</i>	Ca_Kabuli_Chr04	17361143	(T/A)
6321	CakSNP6321	<i>Kabuli</i>	Ca_Kabuli_Chr04	17396325	(A/G)
6322	CakSNP6322	<i>Kabuli</i>	Ca_Kabuli_Chr04	17396349	(T/G)
6323	CakSNP6323	<i>Kabuli</i>	Ca_Kabuli_Chr04	17396352	(T/G)
6324	CakSNP6324	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429456	(A/T)
6325	CakSNP6325	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429457	(A/T)
6326	CakSNP6326	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429468	(T/C)
6327	CakSNP6327	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429747	(G/A)
6328	CakSNP6328	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429742	(A/G)
6329	CakSNP6329	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429735	(A/G)
6330	CakSNP6330	<i>Kabuli</i>	Ca_Kabuli_Chr04	17429699	(G/C)
6331	CakSNP6331	<i>Kabuli</i>	Ca_Kabuli_Chr04	17433782	(G/A)
6332	CakSNP6332	<i>Kabuli</i>	Ca_Kabuli_Chr04	17433914	(G/A)
6333	CakSNP6333	<i>Kabuli</i>	Ca_Kabuli_Chr04	17444578	(A/C)
6334	CakSNP6334	<i>Kabuli</i>	Ca_Kabuli_Chr04	17472129	(T/A)
6335	CakSNP6335	<i>Kabuli</i>	Ca_Kabuli_Chr04	17472992	(T/G)
6336	CakSNP6336	<i>Kabuli</i>	Ca_Kabuli_Chr04	17473174	(C/T)
6337	CakSNP6337	<i>Kabuli</i>	Ca_Kabuli_Chr04	17473237	(T/C)
6338	CakSNP6338	<i>Kabuli</i>	Ca_Kabuli_Chr04	17473234	(C/A)
6339	CakSNP6339	<i>Kabuli</i>	Ca_Kabuli_Chr04	17603613	(T/C)
6340	CakSNP6340	<i>Kabuli</i>	Ca_Kabuli_Chr04	17603677	(G/C)
6341	CakSNP6341	<i>Kabuli</i>	Ca_Kabuli_Chr04	17603689	(T/C)
6342	CakSNP6342	<i>Kabuli</i>	Ca_Kabuli_Chr04	17603725	(T/C)
6343	CakSNP6343	<i>Kabuli</i>	Ca_Kabuli_Chr04	17609554	(A/T)
6344	CakSNP6344	<i>Kabuli</i>	Ca_Kabuli_Chr04	17621035	(G/T)
6345	CakSNP6345	<i>Kabuli</i>	Ca_Kabuli_Chr04	17621609	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6346	CakSNP6346	<i>Kabuli</i>	Ca_Kabuli_Chr04	17647558	(G/A)
6347	CakSNP6347	<i>Kabuli</i>	Ca_Kabuli_Chr04	17652735	(T/C)
6348	CakSNP6348	<i>Kabuli</i>	Ca_Kabuli_Chr04	17685058	(T/G)
6349	CakSNP6349	<i>Kabuli</i>	Ca_Kabuli_Chr04	17685113	(C/A)
6350	CakSNP6350	<i>Kabuli</i>	Ca_Kabuli_Chr04	17718540	(C/T)
6351	CakSNP6351	<i>Kabuli</i>	Ca_Kabuli_Chr04	17718536	(C/A)
6352	CakSNP6352	<i>Kabuli</i>	Ca_Kabuli_Chr04	17718894	(G/A)
6353	CakSNP6353	<i>Kabuli</i>	Ca_Kabuli_Chr04	17718922	(T/G)
6354	CakSNP6354	<i>Kabuli</i>	Ca_Kabuli_Chr04	17718997	(C/A)
6355	CakSNP6355	<i>Kabuli</i>	Ca_Kabuli_Chr04	17729988	(A/C)
6356	CakSNP6356	<i>Kabuli</i>	Ca_Kabuli_Chr04	17748171	(A/T)
6357	CakSNP6357	<i>Kabuli</i>	Ca_Kabuli_Chr04	17752013	(C/T)
6358	CakSNP6358	<i>Kabuli</i>	Ca_Kabuli_Chr04	17760841	(A/G)
6359	CakSNP6359	<i>Kabuli</i>	Ca_Kabuli_Chr04	17760853	(T/G)
6360	CakSNP6360	<i>Kabuli</i>	Ca_Kabuli_Chr04	17768507	(T/C)
6361	CakSNP6361	<i>Kabuli</i>	Ca_Kabuli_Chr04	17771708	(C/G)
6362	CakSNP6362	<i>Kabuli</i>	Ca_Kabuli_Chr04	17784792	(T/A)
6363	CakSNP6363	<i>Kabuli</i>	Ca_Kabuli_Chr04	17826472	(G/A)
6364	CakSNP6364	<i>Kabuli</i>	Ca_Kabuli_Chr04	17826533	(A/C)
6365	CakSNP6365	<i>Kabuli</i>	Ca_Kabuli_Chr04	17826601	(T/C)
6366	CakSNP6366	<i>Kabuli</i>	Ca_Kabuli_Chr04	17826580	(C/G)
6367	CakSNP6367	<i>Kabuli</i>	Ca_Kabuli_Chr04	17826543	(T/C)
6368	CakSNP6368	<i>Kabuli</i>	Ca_Kabuli_Chr04	17843480	(G/T)
6369	CakSNP6369	<i>Kabuli</i>	Ca_Kabuli_Chr04	17847737	(G/A)
6370	CakSNP6370	<i>Kabuli</i>	Ca_Kabuli_Chr04	17847854	(T/C)
6371	CakSNP6371	<i>Kabuli</i>	Ca_Kabuli_Chr04	17856307	(T/C)
6372	CakSNP6372	<i>Kabuli</i>	Ca_Kabuli_Chr04	17856311	(T/G)
6373	CakSNP6373	<i>Kabuli</i>	Ca_Kabuli_Chr04	17856334	(A/G)
6374	CakSNP6374	<i>Kabuli</i>	Ca_Kabuli_Chr04	17857753	(C/T)
6375	CakSNP6375	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858122	(T/G)
6376	CakSNP6376	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858133	(C/T)
6377	CakSNP6377	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858135	(G/A)
6378	CakSNP6378	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858140	(A/C)
6379	CakSNP6379	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858143	(A/T)
6380	CakSNP6380	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858144	(G/C)
6381	CakSNP6381	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858152	(A/T)
6382	CakSNP6382	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858159	(C/A)
6383	CakSNP6383	<i>Kabuli</i>	Ca_Kabuli_Chr04	17858226	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6384	CakSNP6384	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871769	(C/A)
6385	CakSNP6385	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871763	(T/C)
6386	CakSNP6386	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871804	(T/C)
6387	CakSNP6387	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871828	(A/C)
6388	CakSNP6388	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871919	(A/G)
6389	CakSNP6389	<i>Kabuli</i>	Ca_Kabuli_Chr04	17871915	(T/A)
6390	CakSNP6390	<i>Kabuli</i>	Ca_Kabuli_Chr04	17913731	(A/C)
6391	CakSNP6391	<i>Kabuli</i>	Ca_Kabuli_Chr04	17913726	(G/A)
6392	CakSNP6392	<i>Kabuli</i>	Ca_Kabuli_Chr04	17913719	(G/C)
6393	CakSNP6393	<i>Kabuli</i>	Ca_Kabuli_Chr04	17913698	(C/T)
6394	CakSNP6394	<i>Kabuli</i>	Ca_Kabuli_Chr04	17913682	(C/A)
6395	CakSNP6395	<i>Kabuli</i>	Ca_Kabuli_Chr04	17920616	(C/G)
6396	CakSNP6396	<i>Kabuli</i>	Ca_Kabuli_Chr04	17931955	(G/A)
6397	CakSNP6397	<i>Kabuli</i>	Ca_Kabuli_Chr04	17970218	(T/G)
6398	CakSNP6398	<i>Kabuli</i>	Ca_Kabuli_Chr04	17970221	(C/T)
6399	CakSNP6399	<i>Kabuli</i>	Ca_Kabuli_Chr04	17970225	(T/C)
6400	CakSNP6400	<i>Kabuli</i>	Ca_Kabuli_Chr04	17970232	(A/G)
6401	CakSNP6401	<i>Kabuli</i>	Ca_Kabuli_Chr04	17970280	(T/A)
6402	CakSNP6402	<i>Kabuli</i>	Ca_Kabuli_Chr04	18053756	(A/G)
6403	CakSNP6403	<i>Kabuli</i>	Ca_Kabuli_Chr04	18070293	(G/T)
6404	CakSNP6404	<i>Kabuli</i>	Ca_Kabuli_Chr04	18071114	(C/A)
6405	CakSNP6405	<i>Kabuli</i>	Ca_Kabuli_Chr04	18071324	(G/A)
6406	CakSNP6406	<i>Kabuli</i>	Ca_Kabuli_Chr04	18089423	(G/C)
6407	CakSNP6407	<i>Kabuli</i>	Ca_Kabuli_Chr04	18089422	(T/C)
6408	CakSNP6408	<i>Kabuli</i>	Ca_Kabuli_Chr04	18117833	(T/C)
6409	CakSNP6409	<i>Kabuli</i>	Ca_Kabuli_Chr04	18222762	(T/C)
6410	CakSNP6410	<i>Kabuli</i>	Ca_Kabuli_Chr04	18231443	(T/C)
6411	CakSNP6411	<i>Kabuli</i>	Ca_Kabuli_Chr04	18231463	(T/C)
6412	CakSNP6412	<i>Kabuli</i>	Ca_Kabuli_Chr04	18231466	(T/C)
6413	CakSNP6413	<i>Kabuli</i>	Ca_Kabuli_Chr04	18242020	(C/G)
6414	CakSNP6414	<i>Kabuli</i>	Ca_Kabuli_Chr04	18241995	(C/G)
6415	CakSNP6415	<i>Kabuli</i>	Ca_Kabuli_Chr04	18427385	(T/G)
6416	CakSNP6416	<i>Kabuli</i>	Ca_Kabuli_Chr04	18427384	(C/T)
6417	CakSNP6417	<i>Kabuli</i>	Ca_Kabuli_Chr04	18429046	(G/T)
6418	CakSNP6418	<i>Kabuli</i>	Ca_Kabuli_Chr04	18429139	(C/T)
6419	CakSNP6419	<i>Kabuli</i>	Ca_Kabuli_Chr04	18485782	(T/C)
6420	CakSNP6420	<i>Kabuli</i>	Ca_Kabuli_Chr04	18489456	(G/C)
6421	CakSNP6421	<i>Kabuli</i>	Ca_Kabuli_Chr04	18495186	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6422	CakSNP6422	<i>Kabuli</i>	Ca_Kabuli_Chr04	18545489	(A/T)
6423	CakSNP6423	<i>Kabuli</i>	Ca_Kabuli_Chr04	18546209	(T/G)
6424	CakSNP6424	<i>Kabuli</i>	Ca_Kabuli_Chr04	18625387	(G/A)
6425	CakSNP6425	<i>Kabuli</i>	Ca_Kabuli_Chr04	18628582	(A/G)
6426	CakSNP6426	<i>Kabuli</i>	Ca_Kabuli_Chr04	18710941	(T/G)
6427	CakSNP6427	<i>Kabuli</i>	Ca_Kabuli_Chr04	18719417	(A/G)
6428	CakSNP6428	<i>Kabuli</i>	Ca_Kabuli_Chr04	18721801	(G/A)
6429	CakSNP6429	<i>Kabuli</i>	Ca_Kabuli_Chr04	18779396	(A/C)
6430	CakSNP6430	<i>Kabuli</i>	Ca_Kabuli_Chr04	18812610	(T/C)
6431	CakSNP6431	<i>Kabuli</i>	Ca_Kabuli_Chr04	18880757	(A/G)
6432	CakSNP6432	<i>Kabuli</i>	Ca_Kabuli_Chr04	18904060	(G/A)
6433	CakSNP6433	<i>Kabuli</i>	Ca_Kabuli_Chr04	18912038	(G/C)
6434	CakSNP6434	<i>Kabuli</i>	Ca_Kabuli_Chr04	18912137	(T/C)
6435	CakSNP6435	<i>Kabuli</i>	Ca_Kabuli_Chr04	18912124	(C/A)
6436	CakSNP6436	<i>Kabuli</i>	Ca_Kabuli_Chr04	18912142	(A/G)
6437	CakSNP6437	<i>Kabuli</i>	Ca_Kabuli_Chr04	18923641	(G/T)
6438	CakSNP6438	<i>Kabuli</i>	Ca_Kabuli_Chr04	18953354	(C/A)
6439	CakSNP6439	<i>Kabuli</i>	Ca_Kabuli_Chr04	18953423	(A/C)
6440	CakSNP6440	<i>Kabuli</i>	Ca_Kabuli_Chr04	18953511	(C/G)
6441	CakSNP6441	<i>Kabuli</i>	Ca_Kabuli_Chr04	18998727	(C/T)
6442	CakSNP6442	<i>Kabuli</i>	Ca_Kabuli_Chr04	19005285	(T/G)
6443	CakSNP6443	<i>Kabuli</i>	Ca_Kabuli_Chr04	19005416	(T/G)
6444	CakSNP6444	<i>Kabuli</i>	Ca_Kabuli_Chr04	19006493	(C/T)
6445	CakSNP6445	<i>Kabuli</i>	Ca_Kabuli_Chr04	19024709	(C/T)
6446	CakSNP6446	<i>Kabuli</i>	Ca_Kabuli_Chr04	19024699	(T/C)
6447	CakSNP6447	<i>Kabuli</i>	Ca_Kabuli_Chr04	19206563	(A/G)
6448	CakSNP6448	<i>Kabuli</i>	Ca_Kabuli_Chr04	19206581	(C/T)
6449	CakSNP6449	<i>Kabuli</i>	Ca_Kabuli_Chr04	19206611	(T/C)
6450	CakSNP6450	<i>Kabuli</i>	Ca_Kabuli_Chr04	19206613	(T/G)
6451	CakSNP6451	<i>Kabuli</i>	Ca_Kabuli_Chr04	19206678	(A/T)
6452	CakSNP6452	<i>Kabuli</i>	Ca_Kabuli_Chr04	19207121	(A/T)
6453	CakSNP6453	<i>Kabuli</i>	Ca_Kabuli_Chr04	19227691	(G/C)
6454	CakSNP6454	<i>Kabuli</i>	Ca_Kabuli_Chr04	19263964	(G/C)
6455	CakSNP6455	<i>Kabuli</i>	Ca_Kabuli_Chr04	19263967	(T/G)
6456	CakSNP6456	<i>Kabuli</i>	Ca_Kabuli_Chr04	19267581	(A/G)
6457	CakSNP6457	<i>Kabuli</i>	Ca_Kabuli_Chr04	19481258	(A/G)
6458	CakSNP6458	<i>Kabuli</i>	Ca_Kabuli_Chr04	19540632	(A/C)
6459	CakSNP6459	<i>Kabuli</i>	Ca_Kabuli_Chr04	19540646	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6460	CakSNP6460	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579390	(G/T)
6461	CakSNP6461	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579401	(C/A)
6462	CakSNP6462	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579423	(A/G)
6463	CakSNP6463	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579433	(G/A)
6464	CakSNP6464	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579435	(A/G)
6465	CakSNP6465	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579436	(A/T)
6466	CakSNP6466	<i>Kabuli</i>	Ca_Kabuli_Chr04	19579442	(C/A)
6467	CakSNP6467	<i>Kabuli</i>	Ca_Kabuli_Chr04	19649499	(A/G)
6468	CakSNP6468	<i>Kabuli</i>	Ca_Kabuli_Chr04	19668499	(T/C)
6469	CakSNP6469	<i>Kabuli</i>	Ca_Kabuli_Chr04	19668502	(T/G)
6470	CakSNP6470	<i>Kabuli</i>	Ca_Kabuli_Chr04	19668595	(T/C)
6471	CakSNP6471	<i>Kabuli</i>	Ca_Kabuli_Chr04	19688016	(A/G)
6472	CakSNP6472	<i>Kabuli</i>	Ca_Kabuli_Chr04	19712406	(C/T)
6473	CakSNP6473	<i>Kabuli</i>	Ca_Kabuli_Chr04	19713311	(T/G)
6474	CakSNP6474	<i>Kabuli</i>	Ca_Kabuli_Chr04	19734940	(G/A)
6475	CakSNP6475	<i>Kabuli</i>	Ca_Kabuli_Chr04	19844376	(A/G)
6476	CakSNP6476	<i>Kabuli</i>	Ca_Kabuli_Chr04	19869729	(G/T)
6477	CakSNP6477	<i>Kabuli</i>	Ca_Kabuli_Chr04	19869722	(T/G)
6478	CakSNP6478	<i>Kabuli</i>	Ca_Kabuli_Chr04	20218430	(T/G)
6479	CakSNP6479	<i>Kabuli</i>	Ca_Kabuli_Chr04	20308992	(C/A)
6480	CakSNP6480	<i>Kabuli</i>	Ca_Kabuli_Chr04	20309151	(C/T)
6481	CakSNP6481	<i>Kabuli</i>	Ca_Kabuli_Chr04	20398548	(T/G)
6482	CakSNP6482	<i>Kabuli</i>	Ca_Kabuli_Chr04	20398685	(A/C)
6483	CakSNP6483	<i>Kabuli</i>	Ca_Kabuli_Chr04	20402361	(A/G)
6484	CakSNP6484	<i>Kabuli</i>	Ca_Kabuli_Chr04	20402391	(A/G)
6485	CakSNP6485	<i>Kabuli</i>	Ca_Kabuli_Chr04	20412329	(A/T)
6486	CakSNP6486	<i>Kabuli</i>	Ca_Kabuli_Chr04	20436136	(G/A)
6487	CakSNP6487	<i>Kabuli</i>	Ca_Kabuli_Chr04	20444953	(T/C)
6488	CakSNP6488	<i>Kabuli</i>	Ca_Kabuli_Chr04	20599050	(A/G)
6489	CakSNP6489	<i>Kabuli</i>	Ca_Kabuli_Chr04	20599058	(T/C)
6490	CakSNP6490	<i>Kabuli</i>	Ca_Kabuli_Chr04	20599081	(C/T)
6491	CakSNP6491	<i>Kabuli</i>	Ca_Kabuli_Chr04	20599091	(T/G)
6492	CakSNP6492	<i>Kabuli</i>	Ca_Kabuli_Chr04	20656170	(T/G)
6493	CakSNP6493	<i>Kabuli</i>	Ca_Kabuli_Chr04	20669174	(T/C)
6494	CakSNP6494	<i>Kabuli</i>	Ca_Kabuli_Chr04	20669442	(G/A)
6495	CakSNP6495	<i>Kabuli</i>	Ca_Kabuli_Chr04	20696913	(A/G)
6496	CakSNP6496	<i>Kabuli</i>	Ca_Kabuli_Chr04	20696952	(G/T)
6497	CakSNP6497	<i>Kabuli</i>	Ca_Kabuli_Chr04	20696979	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6498	CakSNP6498	<i>Kabuli</i>	Ca_Kabuli_Chr04	20697338	(T/A)
6499	CakSNP6499	<i>Kabuli</i>	Ca_Kabuli_Chr04	20697408	(A/G)
6500	CakSNP6500	<i>Kabuli</i>	Ca_Kabuli_Chr04	20774180	(C/T)
6501	CakSNP6501	<i>Kabuli</i>	Ca_Kabuli_Chr04	20905105	(G/A)
6502	CakSNP6502	<i>Kabuli</i>	Ca_Kabuli_Chr04	21096178	(G/A)
6503	CakSNP6503	<i>Kabuli</i>	Ca_Kabuli_Chr04	21385308	(A/T)
6504	CakSNP6504	<i>Kabuli</i>	Ca_Kabuli_Chr04	21830534	(C/T)
6505	CakSNP6505	<i>Kabuli</i>	Ca_Kabuli_Chr04	21835459	(T/A)
6506	CakSNP6506	<i>Kabuli</i>	Ca_Kabuli_Chr04	21835457	(T/A)
6507	CakSNP6507	<i>Kabuli</i>	Ca_Kabuli_Chr04	21835454	(C/A)
6508	CakSNP6508	<i>Kabuli</i>	Ca_Kabuli_Chr04	21835446	(T/A)
6509	CakSNP6509	<i>Kabuli</i>	Ca_Kabuli_Chr04	21931559	(A/G)
6510	CakSNP6510	<i>Kabuli</i>	Ca_Kabuli_Chr04	21931558	(G/A)
6511	CakSNP6511	<i>Kabuli</i>	Ca_Kabuli_Chr04	21931541	(C/T)
6512	CakSNP6512	<i>Kabuli</i>	Ca_Kabuli_Chr04	22079566	(G/A)
6513	CakSNP6513	<i>Kabuli</i>	Ca_Kabuli_Chr04	22237989	(A/T)
6514	CakSNP6514	<i>Kabuli</i>	Ca_Kabuli_Chr04	22237971	(C/T)
6515	CakSNP6515	<i>Kabuli</i>	Ca_Kabuli_Chr04	22288433	(T/C)
6516	CakSNP6516	<i>Kabuli</i>	Ca_Kabuli_Chr04	22293495	(T/C)
6517	CakSNP6517	<i>Kabuli</i>	Ca_Kabuli_Chr04	22850596	(C/G)
6518	CakSNP6518	<i>Kabuli</i>	Ca_Kabuli_Chr04	22859422	(G/A)
6519	CakSNP6519	<i>Kabuli</i>	Ca_Kabuli_Chr04	22860281	(A/C)
6520	CakSNP6520	<i>Kabuli</i>	Ca_Kabuli_Chr04	22865436	(A/T)
6521	CakSNP6521	<i>Kabuli</i>	Ca_Kabuli_Chr04	22865390	(G/A)
6522	CakSNP6522	<i>Kabuli</i>	Ca_Kabuli_Chr04	22865389	(C/T)
6523	CakSNP6523	<i>Kabuli</i>	Ca_Kabuli_Chr04	22908360	(A/G)
6524	CakSNP6524	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971660	(G/A)
6525	CakSNP6525	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971766	(A/G)
6526	CakSNP6526	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971746	(G/A)
6527	CakSNP6527	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971744	(A/C)
6528	CakSNP6528	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971847	(C/A)
6529	CakSNP6529	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971853	(C/A)
6530	CakSNP6530	<i>Kabuli</i>	Ca_Kabuli_Chr04	22971884	(G/A)
6531	CakSNP6531	<i>Kabuli</i>	Ca_Kabuli_Chr04	23157656	(C/G)
6532	CakSNP6532	<i>Kabuli</i>	Ca_Kabuli_Chr04	23267842	(T/C)
6533	CakSNP6533	<i>Kabuli</i>	Ca_Kabuli_Chr04	23267856	(C/T)
6534	CakSNP6534	<i>Kabuli</i>	Ca_Kabuli_Chr04	23267858	(C/T)
6535	CakSNP6535	<i>Kabuli</i>	Ca_Kabuli_Chr04	23267859	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6536	CakSNP6536	<i>Kabuli</i>	Ca_Kabuli_Chr04	23314624	(C/T)
6537	CakSNP6537	<i>Kabuli</i>	Ca_Kabuli_Chr04	23314665	(A/C)
6538	CakSNP6538	<i>Kabuli</i>	Ca_Kabuli_Chr04	23318875	(T/C)
6539	CakSNP6539	<i>Kabuli</i>	Ca_Kabuli_Chr04	23319309	(G/C)
6540	CakSNP6540	<i>Kabuli</i>	Ca_Kabuli_Chr04	23333610	(C/T)
6541	CakSNP6541	<i>Kabuli</i>	Ca_Kabuli_Chr04	23333554	(T/C)
6542	CakSNP6542	<i>Kabuli</i>	Ca_Kabuli_Chr04	23337341	(T/C)
6543	CakSNP6543	<i>Kabuli</i>	Ca_Kabuli_Chr04	23337312	(T/G)
6544	CakSNP6544	<i>Kabuli</i>	Ca_Kabuli_Chr04	23481919	(G/A)
6545	CakSNP6545	<i>Kabuli</i>	Ca_Kabuli_Chr04	23481927	(G/T)
6546	CakSNP6546	<i>Kabuli</i>	Ca_Kabuli_Chr04	23481962	(G/A)
6547	CakSNP6547	<i>Kabuli</i>	Ca_Kabuli_Chr04	23482033	(A/G)
6548	CakSNP6548	<i>Kabuli</i>	Ca_Kabuli_Chr04	23481998	(T/C)
6549	CakSNP6549	<i>Kabuli</i>	Ca_Kabuli_Chr04	23486812	(A/G)
6550	CakSNP6550	<i>Kabuli</i>	Ca_Kabuli_Chr04	23486859	(A/G)
6551	CakSNP6551	<i>Kabuli</i>	Ca_Kabuli_Chr04	23486824	(T/C)
6552	CakSNP6552	<i>Kabuli</i>	Ca_Kabuli_Chr04	23671441	(T/G)
6553	CakSNP6553	<i>Kabuli</i>	Ca_Kabuli_Chr04	23671443	(A/T)
6554	CakSNP6554	<i>Kabuli</i>	Ca_Kabuli_Chr04	23731572	(C/T)
6555	CakSNP6555	<i>Kabuli</i>	Ca_Kabuli_Chr04	23732099	(A/T)
6556	CakSNP6556	<i>Kabuli</i>	Ca_Kabuli_Chr04	24050459	(G/A)
6557	CakSNP6557	<i>Kabuli</i>	Ca_Kabuli_Chr04	24050464	(G/A)
6558	CakSNP6558	<i>Kabuli</i>	Ca_Kabuli_Chr04	24120866	(A/G)
6559	CakSNP6559	<i>Kabuli</i>	Ca_Kabuli_Chr04	24544345	(G/A)
6560	CakSNP6560	<i>Kabuli</i>	Ca_Kabuli_Chr04	24614582	(G/T)
6561	CakSNP6561	<i>Kabuli</i>	Ca_Kabuli_Chr04	24729302	(T/C)
6562	CakSNP6562	<i>Kabuli</i>	Ca_Kabuli_Chr04	24732991	(G/T)
6563	CakSNP6563	<i>Kabuli</i>	Ca_Kabuli_Chr04	24732990	(T/C)
6564	CakSNP6564	<i>Kabuli</i>	Ca_Kabuli_Chr04	24771737	(T/A)
6565	CakSNP6565	<i>Kabuli</i>	Ca_Kabuli_Chr04	24782714	(C/A)
6566	CakSNP6566	<i>Kabuli</i>	Ca_Kabuli_Chr04	24782715	(A/G)
6567	CakSNP6567	<i>Kabuli</i>	Ca_Kabuli_Chr04	24856115	(A/C)
6568	CakSNP6568	<i>Kabuli</i>	Ca_Kabuli_Chr04	24857501	(A/G)
6569	CakSNP6569	<i>Kabuli</i>	Ca_Kabuli_Chr04	25401714	(T/C)
6570	CakSNP6570	<i>Kabuli</i>	Ca_Kabuli_Chr04	25446677	(G/C)
6571	CakSNP6571	<i>Kabuli</i>	Ca_Kabuli_Chr04	25446684	(T/C)
6572	CakSNP6572	<i>Kabuli</i>	Ca_Kabuli_Chr04	25449897	(T/G)
6573	CakSNP6573	<i>Kabuli</i>	Ca_Kabuli_Chr04	25455156	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6574	CakSNP6574	<i>Kabuli</i>	Ca_Kabuli_Chr04	25455204	(A/G)
6575	CakSNP6575	<i>Kabuli</i>	Ca_Kabuli_Chr04	25455225	(G/A)
6576	CakSNP6576	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592561	(T/C)
6577	CakSNP6577	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592548	(A/G)
6578	CakSNP6578	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592528	(A/C)
6579	CakSNP6579	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592525	(C/A)
6580	CakSNP6580	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592492	(T/C)
6581	CakSNP6581	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592487	(A/G)
6582	CakSNP6582	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592484	(A/C)
6583	CakSNP6583	<i>Kabuli</i>	Ca_Kabuli_Chr04	25592481	(T/C)
6584	CakSNP6584	<i>Kabuli</i>	Ca_Kabuli_Chr04	25729905	(C/A)
6585	CakSNP6585	<i>Kabuli</i>	Ca_Kabuli_Chr04	25729914	(C/A)
6586	CakSNP6586	<i>Kabuli</i>	Ca_Kabuli_Chr04	25729974	(G/C)
6587	CakSNP6587	<i>Kabuli</i>	Ca_Kabuli_Chr04	25729977	(C/T)
6588	CakSNP6588	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747256	(T/C)
6589	CakSNP6589	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747262	(G/A)
6590	CakSNP6590	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747274	(T/G)
6591	CakSNP6591	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747275	(G/A)
6592	CakSNP6592	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747281	(T/C)
6593	CakSNP6593	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747295	(G/A)
6594	CakSNP6594	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747296	(T/C)
6595	CakSNP6595	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747364	(T/A)
6596	CakSNP6596	<i>Kabuli</i>	Ca_Kabuli_Chr04	25747297	(G/A)
6597	CakSNP6597	<i>Kabuli</i>	Ca_Kabuli_Chr04	25809665	(T/C)
6598	CakSNP6598	<i>Kabuli</i>	Ca_Kabuli_Chr04	25921165	(T/C)
6599	CakSNP6599	<i>Kabuli</i>	Ca_Kabuli_Chr04	26000532	(C/T)
6600	CakSNP6600	<i>Kabuli</i>	Ca_Kabuli_Chr04	26000483	(T/A)
6601	CakSNP6601	<i>Kabuli</i>	Ca_Kabuli_Chr04	26002991	(C/A)
6602	CakSNP6602	<i>Kabuli</i>	Ca_Kabuli_Chr04	26008744	(G/A)
6603	CakSNP6603	<i>Kabuli</i>	Ca_Kabuli_Chr04	26008745	(G/A)
6604	CakSNP6604	<i>Kabuli</i>	Ca_Kabuli_Chr04	26008748	(C/T)
6605	CakSNP6605	<i>Kabuli</i>	Ca_Kabuli_Chr04	26008768	(A/G)
6606	CakSNP6606	<i>Kabuli</i>	Ca_Kabuli_Chr04	26008816	(C/A)
6607	CakSNP6607	<i>Kabuli</i>	Ca_Kabuli_Chr04	26009438	(G/T)
6608	CakSNP6608	<i>Kabuli</i>	Ca_Kabuli_Chr04	26009439	(G/T)
6609	CakSNP6609	<i>Kabuli</i>	Ca_Kabuli_Chr04	26222180	(A/G)
6610	CakSNP6610	<i>Kabuli</i>	Ca_Kabuli_Chr04	26282236	(A/C)
6611	CakSNP6611	<i>Kabuli</i>	Ca_Kabuli_Chr04	26324460	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6612	CakSNP6612	<i>Kabuli</i>	Ca_Kabuli_Chr04	26529606	(C/T)
6613	CakSNP6613	<i>Kabuli</i>	Ca_Kabuli_Chr04	26532763	(T/G)
6614	CakSNP6614	<i>Kabuli</i>	Ca_Kabuli_Chr04	26536919	(C/G)
6615	CakSNP6615	<i>Kabuli</i>	Ca_Kabuli_Chr04	26537053	(C/T)
6616	CakSNP6616	<i>Kabuli</i>	Ca_Kabuli_Chr04	26537258	(A/C)
6617	CakSNP6617	<i>Kabuli</i>	Ca_Kabuli_Chr04	26869756	(A/G)
6618	CakSNP6618	<i>Kabuli</i>	Ca_Kabuli_Chr04	26915602	(G/A)
6619	CakSNP6619	<i>Kabuli</i>	Ca_Kabuli_Chr04	26915615	(A/G)
6620	CakSNP6620	<i>Kabuli</i>	Ca_Kabuli_Chr04	26915621	(G/A)
6621	CakSNP6621	<i>Kabuli</i>	Ca_Kabuli_Chr04	26915626	(C/T)
6622	CakSNP6622	<i>Kabuli</i>	Ca_Kabuli_Chr04	26989085	(G/A)
6623	CakSNP6623	<i>Kabuli</i>	Ca_Kabuli_Chr04	26989090	(G/T)
6624	CakSNP6624	<i>Kabuli</i>	Ca_Kabuli_Chr04	26989204	(A/C)
6625	CakSNP6625	<i>Kabuli</i>	Ca_Kabuli_Chr04	27102807	(G/A)
6626	CakSNP6626	<i>Kabuli</i>	Ca_Kabuli_Chr04	27102817	(A/C)
6627	CakSNP6627	<i>Kabuli</i>	Ca_Kabuli_Chr04	27102833	(G/T)
6628	CakSNP6628	<i>Kabuli</i>	Ca_Kabuli_Chr04	27262241	(C/T)
6629	CakSNP6629	<i>Kabuli</i>	Ca_Kabuli_Chr04	27262893	(G/A)
6630	CakSNP6630	<i>Kabuli</i>	Ca_Kabuli_Chr04	27262870	(C/T)
6631	CakSNP6631	<i>Kabuli</i>	Ca_Kabuli_Chr04	27262830	(T/A)
6632	CakSNP6632	<i>Kabuli</i>	Ca_Kabuli_Chr04	27268301	(G/A)
6633	CakSNP6633	<i>Kabuli</i>	Ca_Kabuli_Chr04	27268278	(C/T)
6634	CakSNP6634	<i>Kabuli</i>	Ca_Kabuli_Chr04	27493010	(G/T)
6635	CakSNP6635	<i>Kabuli</i>	Ca_Kabuli_Chr04	27613450	(C/T)
6636	CakSNP6636	<i>Kabuli</i>	Ca_Kabuli_Chr04	27617803	(A/G)
6637	CakSNP6637	<i>Kabuli</i>	Ca_Kabuli_Chr04	27626559	(G/A)
6638	CakSNP6638	<i>Kabuli</i>	Ca_Kabuli_Chr04	27626999	(C/T)
6639	CakSNP6639	<i>Kabuli</i>	Ca_Kabuli_Chr04	27661241	(T/G)
6640	CakSNP6640	<i>Kabuli</i>	Ca_Kabuli_Chr04	27669829	(C/G)
6641	CakSNP6641	<i>Kabuli</i>	Ca_Kabuli_Chr04	27777968	(A/C)
6642	CakSNP6642	<i>Kabuli</i>	Ca_Kabuli_Chr04	27786162	(G/C)
6643	CakSNP6643	<i>Kabuli</i>	Ca_Kabuli_Chr04	27970989	(T/G)
6644	CakSNP6644	<i>Kabuli</i>	Ca_Kabuli_Chr04	28061002	(A/C)
6645	CakSNP6645	<i>Kabuli</i>	Ca_Kabuli_Chr04	28092609	(G/A)
6646	CakSNP6646	<i>Kabuli</i>	Ca_Kabuli_Chr04	28092727	(T/A)
6647	CakSNP6647	<i>Kabuli</i>	Ca_Kabuli_Chr04	28092725	(T/G)
6648	CakSNP6648	<i>Kabuli</i>	Ca_Kabuli_Chr04	28092724	(T/A)
6649	CakSNP6649	<i>Kabuli</i>	Ca_Kabuli_Chr04	28268788	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6650	CakSNP6650	<i>Kabuli</i>	Ca_Kabuli_Chr04	28289900	(C/A)
6651	CakSNP6651	<i>Kabuli</i>	Ca_Kabuli_Chr04	28299238	(G/A)
6652	CakSNP6652	<i>Kabuli</i>	Ca_Kabuli_Chr04	28301853	(T/C)
6653	CakSNP6653	<i>Kabuli</i>	Ca_Kabuli_Chr04	28423079	(T/C)
6654	CakSNP6654	<i>Kabuli</i>	Ca_Kabuli_Chr04	28423140	(A/G)
6655	CakSNP6655	<i>Kabuli</i>	Ca_Kabuli_Chr04	28431706	(G/A)
6656	CakSNP6656	<i>Kabuli</i>	Ca_Kabuli_Chr04	28790085	(A/G)
6657	CakSNP6657	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582296	(C/T)
6658	CakSNP6658	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582289	(G/A)
6659	CakSNP6659	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582285	(C/A)
6660	CakSNP6660	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582282	(C/A)
6661	CakSNP6661	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582273	(G/A)
6662	CakSNP6662	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582268	(C/G)
6663	CakSNP6663	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582257	(G/A)
6664	CakSNP6664	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582255	(C/T)
6665	CakSNP6665	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582252	(G/A)
6666	CakSNP6666	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582249	(C/T)
6667	CakSNP6667	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582235	(T/A)
6668	CakSNP6668	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582232	(C/T)
6669	CakSNP6669	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582227	(G/A)
6670	CakSNP6670	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582219	(A/C)
6671	CakSNP6671	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582271	(C/T)
6672	CakSNP6672	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582286	(T/A)
6673	CakSNP6673	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582294	(G/A)
6674	CakSNP6674	<i>Kabuli</i>	Ca_Kabuli_Chr04	29582301	(G/T)
6675	CakSNP6675	<i>Kabuli</i>	Ca_Kabuli_Chr04	29671563	(G/A)
6676	CakSNP6676	<i>Kabuli</i>	Ca_Kabuli_Chr04	29671606	(A/G)
6677	CakSNP6677	<i>Kabuli</i>	Ca_Kabuli_Chr04	29683718	(A/T)
6678	CakSNP6678	<i>Kabuli</i>	Ca_Kabuli_Chr04	29923380	(G/A)
6679	CakSNP6679	<i>Kabuli</i>	Ca_Kabuli_Chr04	29958122	(T/G)
6680	CakSNP6680	<i>Kabuli</i>	Ca_Kabuli_Chr04	29958113	(G/A)
6681	CakSNP6681	<i>Kabuli</i>	Ca_Kabuli_Chr04	29972268	(T/G)
6682	CakSNP6682	<i>Kabuli</i>	Ca_Kabuli_Chr04	30066903	(G/A)
6683	CakSNP6683	<i>Kabuli</i>	Ca_Kabuli_Chr04	30153390	(G/A)
6684	CakSNP6684	<i>Kabuli</i>	Ca_Kabuli_Chr04	30153448	(T/C)
6685	CakSNP6685	<i>Kabuli</i>	Ca_Kabuli_Chr04	30153505	(C/G)
6686	CakSNP6686	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258044	(A/T)
6687	CakSNP6687	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258045	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6688	CakSNP6688	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258056	(A/G)
6689	CakSNP6689	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258484	(G/C)
6690	CakSNP6690	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258613	(C/A)
6691	CakSNP6691	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258607	(C/A)
6692	CakSNP6692	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258604	(C/A)
6693	CakSNP6693	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258596	(G/C)
6694	CakSNP6694	<i>Kabuli</i>	Ca_Kabuli_Chr04	30258567	(C/A)
6695	CakSNP6695	<i>Kabuli</i>	Ca_Kabuli_Chr04	30260485	(C/A)
6696	CakSNP6696	<i>Kabuli</i>	Ca_Kabuli_Chr04	30281991	(A/G)
6697	CakSNP6697	<i>Kabuli</i>	Ca_Kabuli_Chr04	30301002	(T/G)
6698	CakSNP6698	<i>Kabuli</i>	Ca_Kabuli_Chr04	30308719	(A/C)
6699	CakSNP6699	<i>Kabuli</i>	Ca_Kabuli_Chr04	30308812	(G/A)
6700	CakSNP6700	<i>Kabuli</i>	Ca_Kabuli_Chr04	30308788	(T/C)
6701	CakSNP6701	<i>Kabuli</i>	Ca_Kabuli_Chr04	30463063	(T/C)
6702	CakSNP6702	<i>Kabuli</i>	Ca_Kabuli_Chr04	30463117	(C/A)
6703	CakSNP6703	<i>Kabuli</i>	Ca_Kabuli_Chr04	30599096	(C/A)
6704	CakSNP6704	<i>Kabuli</i>	Ca_Kabuli_Chr04	30599188	(C/T)
6705	CakSNP6705	<i>Kabuli</i>	Ca_Kabuli_Chr04	30667916	(G/A)
6706	CakSNP6706	<i>Kabuli</i>	Ca_Kabuli_Chr04	30668893	(A/C)
6707	CakSNP6707	<i>Kabuli</i>	Ca_Kabuli_Chr04	30851027	(A/T)
6708	CakSNP6708	<i>Kabuli</i>	Ca_Kabuli_Chr04	30851411	(T/G)
6709	CakSNP6709	<i>Kabuli</i>	Ca_Kabuli_Chr04	30851840	(A/T)
6710	CakSNP6710	<i>Kabuli</i>	Ca_Kabuli_Chr04	30931586	(G/T)
6711	CakSNP6711	<i>Kabuli</i>	Ca_Kabuli_Chr04	31218647	(T/C)
6712	CakSNP6712	<i>Kabuli</i>	Ca_Kabuli_Chr04	31221264	(T/G)
6713	CakSNP6713	<i>Kabuli</i>	Ca_Kabuli_Chr04	31221253	(G/A)
6714	CakSNP6714	<i>Kabuli</i>	Ca_Kabuli_Chr04	31221226	(T/A)
6715	CakSNP6715	<i>Kabuli</i>	Ca_Kabuli_Chr04	31224001	(G/A)
6716	CakSNP6716	<i>Kabuli</i>	Ca_Kabuli_Chr04	31262596	(T/A)
6717	CakSNP6717	<i>Kabuli</i>	Ca_Kabuli_Chr04	31263205	(T/A)
6718	CakSNP6718	<i>Kabuli</i>	Ca_Kabuli_Chr04	31594126	(A/C)
6719	CakSNP6719	<i>Kabuli</i>	Ca_Kabuli_Chr04	31618949	(T/A)
6720	CakSNP6720	<i>Kabuli</i>	Ca_Kabuli_Chr04	31875713	(A/G)
6721	CakSNP6721	<i>Kabuli</i>	Ca_Kabuli_Chr04	31987890	(A/C)
6722	CakSNP6722	<i>Kabuli</i>	Ca_Kabuli_Chr04	32042488	(T/G)
6723	CakSNP6723	<i>Kabuli</i>	Ca_Kabuli_Chr04	32042527	(C/T)
6724	CakSNP6724	<i>Kabuli</i>	Ca_Kabuli_Chr04	32068961	(A/G)
6725	CakSNP6725	<i>Kabuli</i>	Ca_Kabuli_Chr04	32073552	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6726	CakSNP6726	<i>Kabuli</i>	Ca_Kabuli_Chr04	32073550	(C/G)
6727	CakSNP6727	<i>Kabuli</i>	Ca_Kabuli_Chr04	32073549	(G/C)
6728	CakSNP6728	<i>Kabuli</i>	Ca_Kabuli_Chr04	32166559	(C/G)
6729	CakSNP6729	<i>Kabuli</i>	Ca_Kabuli_Chr04	32166557	(T/A)
6730	CakSNP6730	<i>Kabuli</i>	Ca_Kabuli_Chr04	32183307	(C/G)
6731	CakSNP6731	<i>Kabuli</i>	Ca_Kabuli_Chr04	32184628	(A/G)
6732	CakSNP6732	<i>Kabuli</i>	Ca_Kabuli_Chr04	32212899	(G/A)
6733	CakSNP6733	<i>Kabuli</i>	Ca_Kabuli_Chr04	32297780	(C/A)
6734	CakSNP6734	<i>Kabuli</i>	Ca_Kabuli_Chr04	32297758	(G/A)
6735	CakSNP6735	<i>Kabuli</i>	Ca_Kabuli_Chr04	32297734	(A/G)
6736	CakSNP6736	<i>Kabuli</i>	Ca_Kabuli_Chr04	32303394	(C/T)
6737	CakSNP6737	<i>Kabuli</i>	Ca_Kabuli_Chr04	32429228	(A/T)
6738	CakSNP6738	<i>Kabuli</i>	Ca_Kabuli_Chr04	32429222	(A/C)
6739	CakSNP6739	<i>Kabuli</i>	Ca_Kabuli_Chr04	32521346	(T/C)
6740	CakSNP6740	<i>Kabuli</i>	Ca_Kabuli_Chr04	32602658	(C/T)
6741	CakSNP6741	<i>Kabuli</i>	Ca_Kabuli_Chr04	32604261	(G/A)
6742	CakSNP6742	<i>Kabuli</i>	Ca_Kabuli_Chr04	32604538	(T/C)
6743	CakSNP6743	<i>Kabuli</i>	Ca_Kabuli_Chr04	32604510	(A/C)
6744	CakSNP6744	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636315	(T/C)
6745	CakSNP6745	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636276	(T/C)
6746	CakSNP6746	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636428	(C/A)
6747	CakSNP6747	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636459	(A/G)
6748	CakSNP6748	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636690	(C/T)
6749	CakSNP6749	<i>Kabuli</i>	Ca_Kabuli_Chr04	32636953	(A/G)
6750	CakSNP6750	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639121	(C/T)
6751	CakSNP6751	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639188	(C/G)
6752	CakSNP6752	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639118	(A/C)
6753	CakSNP6753	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639262	(A/G)
6754	CakSNP6754	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639315	(A/G)
6755	CakSNP6755	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639654	(T/C)
6756	CakSNP6756	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639681	(C/T)
6757	CakSNP6757	<i>Kabuli</i>	Ca_Kabuli_Chr04	32639770	(C/G)
6758	CakSNP6758	<i>Kabuli</i>	Ca_Kabuli_Chr04	32640911	(A/G)
6759	CakSNP6759	<i>Kabuli</i>	Ca_Kabuli_Chr04	32853834	(T/C)
6760	CakSNP6760	<i>Kabuli</i>	Ca_Kabuli_Chr04	32853838	(G/T)
6761	CakSNP6761	<i>Kabuli</i>	Ca_Kabuli_Chr04	33068276	(G/A)
6762	CakSNP6762	<i>Kabuli</i>	Ca_Kabuli_Chr04	33221361	(T/C)
6763	CakSNP6763	<i>Kabuli</i>	Ca_Kabuli_Chr04	33221371	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6764	CakSNP6764	<i>Kabuli</i>	Ca_Kabuli_Chr04	33221397	(T/G)
6765	CakSNP6765	<i>Kabuli</i>	Ca_Kabuli_Chr04	33509759	(A/C)
6766	CakSNP6766	<i>Kabuli</i>	Ca_Kabuli_Chr04	33509762	(G/A)
6767	CakSNP6767	<i>Kabuli</i>	Ca_Kabuli_Chr04	33509804	(A/G)
6768	CakSNP6768	<i>Kabuli</i>	Ca_Kabuli_Chr04	33641757	(C/T)
6769	CakSNP6769	<i>Kabuli</i>	Ca_Kabuli_Chr04	33820657	(A/C)
6770	CakSNP6770	<i>Kabuli</i>	Ca_Kabuli_Chr04	33874346	(T/C)
6771	CakSNP6771	<i>Kabuli</i>	Ca_Kabuli_Chr04	33874327	(T/C)
6772	CakSNP6772	<i>Kabuli</i>	Ca_Kabuli_Chr04	33874313	(G/A)
6773	CakSNP6773	<i>Kabuli</i>	Ca_Kabuli_Chr04	33929598	(A/C)
6774	CakSNP6774	<i>Kabuli</i>	Ca_Kabuli_Chr04	33929777	(C/T)
6775	CakSNP6775	<i>Kabuli</i>	Ca_Kabuli_Chr04	34032176	(C/T)
6776	CakSNP6776	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155135	(A/C)
6777	CakSNP6777	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155131	(T/A)
6778	CakSNP6778	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155128	(C/T)
6779	CakSNP6779	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155127	(G/A)
6780	CakSNP6780	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155124	(G/A)
6781	CakSNP6781	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155084	(C/G)
6782	CakSNP6782	<i>Kabuli</i>	Ca_Kabuli_Chr04	34155083	(C/T)
6783	CakSNP6783	<i>Kabuli</i>	Ca_Kabuli_Chr04	34222792	(G/C)
6784	CakSNP6784	<i>Kabuli</i>	Ca_Kabuli_Chr04	34354519	(G/T)
6785	CakSNP6785	<i>Kabuli</i>	Ca_Kabuli_Chr04	34487064	(T/G)
6786	CakSNP6786	<i>Kabuli</i>	Ca_Kabuli_Chr04	34744344	(T/G)
6787	CakSNP6787	<i>Kabuli</i>	Ca_Kabuli_Chr04	34744398	(T/A)
6788	CakSNP6788	<i>Kabuli</i>	Ca_Kabuli_Chr04	34784285	(G/A)
6789	CakSNP6789	<i>Kabuli</i>	Ca_Kabuli_Chr04	34798597	(C/A)
6790	CakSNP6790	<i>Kabuli</i>	Ca_Kabuli_Chr04	34916032	(C/T)
6791	CakSNP6791	<i>Kabuli</i>	Ca_Kabuli_Chr04	34924575	(C/T)
6792	CakSNP6792	<i>Kabuli</i>	Ca_Kabuli_Chr04	34955953	(A/G)
6793	CakSNP6793	<i>Kabuli</i>	Ca_Kabuli_Chr04	34955971	(A/T)
6794	CakSNP6794	<i>Kabuli</i>	Ca_Kabuli_Chr04	34956006	(C/T)
6795	CakSNP6795	<i>Kabuli</i>	Ca_Kabuli_Chr04	34956019	(G/A)
6796	CakSNP6796	<i>Kabuli</i>	Ca_Kabuli_Chr04	34956035	(C/T)
6797	CakSNP6797	<i>Kabuli</i>	Ca_Kabuli_Chr04	34956111	(G/T)
6798	CakSNP6798	<i>Kabuli</i>	Ca_Kabuli_Chr04	34956031	(G/A)
6799	CakSNP6799	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141281	(A/T)
6800	CakSNP6800	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141309	(A/C)
6801	CakSNP6801	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141340	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6802	CakSNP6802	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141353	(C/G)
6803	CakSNP6803	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141359	(C/G)
6804	CakSNP6804	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141375	(A/G)
6805	CakSNP6805	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141403	(C/T)
6806	CakSNP6806	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141425	(A/T)
6807	CakSNP6807	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141421	(T/A)
6808	CakSNP6808	<i>Kabuli</i>	Ca_Kabuli_Chr04	35141408	(A/G)
6809	CakSNP6809	<i>Kabuli</i>	Ca_Kabuli_Chr04	35168915	(C/T)
6810	CakSNP6810	<i>Kabuli</i>	Ca_Kabuli_Chr04	35168939	(C/T)
6811	CakSNP6811	<i>Kabuli</i>	Ca_Kabuli_Chr04	35229966	(C/T)
6812	CakSNP6812	<i>Kabuli</i>	Ca_Kabuli_Chr04	35230144	(A/G)
6813	CakSNP6813	<i>Kabuli</i>	Ca_Kabuli_Chr04	35231891	(C/T)
6814	CakSNP6814	<i>Kabuli</i>	Ca_Kabuli_Chr04	35304102	(C/T)
6815	CakSNP6815	<i>Kabuli</i>	Ca_Kabuli_Chr04	35304108	(C/A)
6816	CakSNP6816	<i>Kabuli</i>	Ca_Kabuli_Chr04	35309709	(A/G)
6817	CakSNP6817	<i>Kabuli</i>	Ca_Kabuli_Chr04	35311815	(A/C)
6818	CakSNP6818	<i>Kabuli</i>	Ca_Kabuli_Chr04	35337282	(A/G)
6819	CakSNP6819	<i>Kabuli</i>	Ca_Kabuli_Chr04	35344356	(A/G)
6820	CakSNP6820	<i>Kabuli</i>	Ca_Kabuli_Chr04	35344353	(T/C)
6821	CakSNP6821	<i>Kabuli</i>	Ca_Kabuli_Chr04	35344323	(C/T)
6822	CakSNP6822	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346415	(G/A)
6823	CakSNP6823	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346417	(C/T)
6824	CakSNP6824	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346495	(C/T)
6825	CakSNP6825	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346465	(G/T)
6826	CakSNP6826	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346558	(G/T)
6827	CakSNP6827	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346563	(G/T)
6828	CakSNP6828	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346573	(A/G)
6829	CakSNP6829	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346576	(C/G)
6830	CakSNP6830	<i>Kabuli</i>	Ca_Kabuli_Chr04	35346624	(G/A)
6831	CakSNP6831	<i>Kabuli</i>	Ca_Kabuli_Chr04	35393505	(G/T)
6832	CakSNP6832	<i>Kabuli</i>	Ca_Kabuli_Chr04	35393643	(G/A)
6833	CakSNP6833	<i>Kabuli</i>	Ca_Kabuli_Chr04	35455095	(A/C)
6834	CakSNP6834	<i>Kabuli</i>	Ca_Kabuli_Chr04	35455062	(A/T)
6835	CakSNP6835	<i>Kabuli</i>	Ca_Kabuli_Chr04	35455708	(G/A)
6836	CakSNP6836	<i>Kabuli</i>	Ca_Kabuli_Chr04	35469308	(T/G)
6837	CakSNP6837	<i>Kabuli</i>	Ca_Kabuli_Chr04	35469304	(G/A)
6838	CakSNP6838	<i>Kabuli</i>	Ca_Kabuli_Chr04	35487504	(G/C)
6839	CakSNP6839	<i>Kabuli</i>	Ca_Kabuli_Chr04	35487496	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6840	CakSNP6840	<i>Kabuli</i>	Ca_Kabuli_Chr04	35487471	(A/C)
6841	CakSNP6841	<i>Kabuli</i>	Ca_Kabuli_Chr04	35528758	(C/A)
6842	CakSNP6842	<i>Kabuli</i>	Ca_Kabuli_Chr04	35534777	(G/C)
6843	CakSNP6843	<i>Kabuli</i>	Ca_Kabuli_Chr04	35534877	(T/C)
6844	CakSNP6844	<i>Kabuli</i>	Ca_Kabuli_Chr04	35534891	(C/T)
6845	CakSNP6845	<i>Kabuli</i>	Ca_Kabuli_Chr04	35574379	(C/A)
6846	CakSNP6846	<i>Kabuli</i>	Ca_Kabuli_Chr04	35634712	(A/G)
6847	CakSNP6847	<i>Kabuli</i>	Ca_Kabuli_Chr04	35634751	(A/G)
6848	CakSNP6848	<i>Kabuli</i>	Ca_Kabuli_Chr04	35634873	(G/T)
6849	CakSNP6849	<i>Kabuli</i>	Ca_Kabuli_Chr04	35961593	(A/C)
6850	CakSNP6850	<i>Kabuli</i>	Ca_Kabuli_Chr04	35977422	(G/A)
6851	CakSNP6851	<i>Kabuli</i>	Ca_Kabuli_Chr04	36005847	(T/G)
6852	CakSNP6852	<i>Kabuli</i>	Ca_Kabuli_Chr04	36010756	(T/G)
6853	CakSNP6853	<i>Kabuli</i>	Ca_Kabuli_Chr04	36153818	(A/G)
6854	CakSNP6854	<i>Kabuli</i>	Ca_Kabuli_Chr04	36154771	(T/C)
6855	CakSNP6855	<i>Kabuli</i>	Ca_Kabuli_Chr04	36154820	(G/A)
6856	CakSNP6856	<i>Kabuli</i>	Ca_Kabuli_Chr04	36154822	(T/G)
6857	CakSNP6857	<i>Kabuli</i>	Ca_Kabuli_Chr04	36184969	(A/G)
6858	CakSNP6858	<i>Kabuli</i>	Ca_Kabuli_Chr04	36277383	(C/T)
6859	CakSNP6859	<i>Kabuli</i>	Ca_Kabuli_Chr04	36368713	(T/C)
6860	CakSNP6860	<i>Kabuli</i>	Ca_Kabuli_Chr04	36445345	(G/A)
6861	CakSNP6861	<i>Kabuli</i>	Ca_Kabuli_Chr04	36445367	(A/G)
6862	CakSNP6862	<i>Kabuli</i>	Ca_Kabuli_Chr04	36449101	(C/T)
6863	CakSNP6863	<i>Kabuli</i>	Ca_Kabuli_Chr04	36461836	(A/G)
6864	CakSNP6864	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467928	(C/T)
6865	CakSNP6865	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467943	(A/G)
6866	CakSNP6866	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467964	(G/A)
6867	CakSNP6867	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467967	(T/C)
6868	CakSNP6868	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467980	(C/A)
6869	CakSNP6869	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467988	(C/T)
6870	CakSNP6870	<i>Kabuli</i>	Ca_Kabuli_Chr04	36467990	(T/G)
6871	CakSNP6871	<i>Kabuli</i>	Ca_Kabuli_Chr04	36468003	(T/A)
6872	CakSNP6872	<i>Kabuli</i>	Ca_Kabuli_Chr04	36468053	(A/G)
6873	CakSNP6873	<i>Kabuli</i>	Ca_Kabuli_Chr04	36488966	(A/G)
6874	CakSNP6874	<i>Kabuli</i>	Ca_Kabuli_Chr04	36537118	(C/T)
6875	CakSNP6875	<i>Kabuli</i>	Ca_Kabuli_Chr04	36537124	(C/T)
6876	CakSNP6876	<i>Kabuli</i>	Ca_Kabuli_Chr04	36537170	(C/T)
6877	CakSNP6877	<i>Kabuli</i>	Ca_Kabuli_Chr04	36541088	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6878	CakSNP6878	<i>Kabuli</i>	Ca_Kabuli_Chr04	36541087	(T/C)
6879	CakSNP6879	<i>Kabuli</i>	Ca_Kabuli_Chr04	36541083	(A/C)
6880	CakSNP6880	<i>Kabuli</i>	Ca_Kabuli_Chr04	36639333	(A/T)
6881	CakSNP6881	<i>Kabuli</i>	Ca_Kabuli_Chr04	36639382	(T/C)
6882	CakSNP6882	<i>Kabuli</i>	Ca_Kabuli_Chr04	36639474	(G/C)
6883	CakSNP6883	<i>Kabuli</i>	Ca_Kabuli_Chr04	36673677	(C/A)
6884	CakSNP6884	<i>Kabuli</i>	Ca_Kabuli_Chr04	36682215	(G/A)
6885	CakSNP6885	<i>Kabuli</i>	Ca_Kabuli_Chr04	36682213	(C/T)
6886	CakSNP6886	<i>Kabuli</i>	Ca_Kabuli_Chr04	36682211	(G/A)
6887	CakSNP6887	<i>Kabuli</i>	Ca_Kabuli_Chr04	36682253	(T/G)
6888	CakSNP6888	<i>Kabuli</i>	Ca_Kabuli_Chr04	36682231	(G/T)
6889	CakSNP6889	<i>Kabuli</i>	Ca_Kabuli_Chr04	36709731	(G/A)
6890	CakSNP6890	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754121	(T/C)
6891	CakSNP6891	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754149	(G/A)
6892	CakSNP6892	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754290	(T/A)
6893	CakSNP6893	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754378	(C/T)
6894	CakSNP6894	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754377	(T/A)
6895	CakSNP6895	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754348	(C/T)
6896	CakSNP6896	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754343	(A/C)
6897	CakSNP6897	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754327	(G/A)
6898	CakSNP6898	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754468	(G/A)
6899	CakSNP6899	<i>Kabuli</i>	Ca_Kabuli_Chr04	36754453	(A/G)
6900	CakSNP6900	<i>Kabuli</i>	Ca_Kabuli_Chr04	36799551	(C/T)
6901	CakSNP6901	<i>Kabuli</i>	Ca_Kabuli_Chr04	36831035	(A/G)
6902	CakSNP6902	<i>Kabuli</i>	Ca_Kabuli_Chr04	36831199	(G/A)
6903	CakSNP6903	<i>Kabuli</i>	Ca_Kabuli_Chr04	36831267	(A/C)
6904	CakSNP6904	<i>Kabuli</i>	Ca_Kabuli_Chr04	36955706	(G/T)
6905	CakSNP6905	<i>Kabuli</i>	Ca_Kabuli_Chr04	36977192	(C/T)
6906	CakSNP6906	<i>Kabuli</i>	Ca_Kabuli_Chr04	36977194	(G/A)
6907	CakSNP6907	<i>Kabuli</i>	Ca_Kabuli_Chr04	36979866	(T/G)
6908	CakSNP6908	<i>Kabuli</i>	Ca_Kabuli_Chr04	36979926	(G/T)
6909	CakSNP6909	<i>Kabuli</i>	Ca_Kabuli_Chr04	36979879	(C/T)
6910	CakSNP6910	<i>Kabuli</i>	Ca_Kabuli_Chr04	36982955	(A/G)
6911	CakSNP6911	<i>Kabuli</i>	Ca_Kabuli_Chr04	36984727	(C/G)
6912	CakSNP6912	<i>Kabuli</i>	Ca_Kabuli_Chr04	36984829	(C/T)
6913	CakSNP6913	<i>Kabuli</i>	Ca_Kabuli_Chr04	36984795	(T/A)
6914	CakSNP6914	<i>Kabuli</i>	Ca_Kabuli_Chr04	36998201	(A/C)
6915	CakSNP6915	<i>Kabuli</i>	Ca_Kabuli_Chr04	36998209	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6916	CakSNP6916	<i>Kabuli</i>	Ca_Kabuli_Chr04	37064588	(A/G)
6917	CakSNP6917	<i>Kabuli</i>	Ca_Kabuli_Chr04	37064630	(G/A)
6918	CakSNP6918	<i>Kabuli</i>	Ca_Kabuli_Chr04	37185576	(T/A)
6919	CakSNP6919	<i>Kabuli</i>	Ca_Kabuli_Chr04	37185577	(T/A)
6920	CakSNP6920	<i>Kabuli</i>	Ca_Kabuli_Chr04	37185578	(T/A)
6921	CakSNP6921	<i>Kabuli</i>	Ca_Kabuli_Chr04	37237211	(G/A)
6922	CakSNP6922	<i>Kabuli</i>	Ca_Kabuli_Chr04	37237276	(T/C)
6923	CakSNP6923	<i>Kabuli</i>	Ca_Kabuli_Chr04	37241235	(A/G)
6924	CakSNP6924	<i>Kabuli</i>	Ca_Kabuli_Chr04	37241262	(G/A)
6925	CakSNP6925	<i>Kabuli</i>	Ca_Kabuli_Chr04	37260697	(T/C)
6926	CakSNP6926	<i>Kabuli</i>	Ca_Kabuli_Chr04	37260873	(A/G)
6927	CakSNP6927	<i>Kabuli</i>	Ca_Kabuli_Chr04	37260841	(T/A)
6928	CakSNP6928	<i>Kabuli</i>	Ca_Kabuli_Chr04	37264628	(G/A)
6929	CakSNP6929	<i>Kabuli</i>	Ca_Kabuli_Chr04	37286591	(T/A)
6930	CakSNP6930	<i>Kabuli</i>	Ca_Kabuli_Chr04	37286625	(C/A)
6931	CakSNP6931	<i>Kabuli</i>	Ca_Kabuli_Chr04	37286632	(G/A)
6932	CakSNP6932	<i>Kabuli</i>	Ca_Kabuli_Chr04	37286663	(A/G)
6933	CakSNP6933	<i>Kabuli</i>	Ca_Kabuli_Chr04	37293752	(G/A)
6934	CakSNP6934	<i>Kabuli</i>	Ca_Kabuli_Chr04	37293780	(T/A)
6935	CakSNP6935	<i>Kabuli</i>	Ca_Kabuli_Chr04	37293773	(A/T)
6936	CakSNP6936	<i>Kabuli</i>	Ca_Kabuli_Chr04	37293769	(C/A)
6937	CakSNP6937	<i>Kabuli</i>	Ca_Kabuli_Chr04	37294720	(A/G)
6938	CakSNP6938	<i>Kabuli</i>	Ca_Kabuli_Chr04	37316574	(T/A)
6939	CakSNP6939	<i>Kabuli</i>	Ca_Kabuli_Chr04	37316748	(T/A)
6940	CakSNP6940	<i>Kabuli</i>	Ca_Kabuli_Chr04	37316738	(C/T)
6941	CakSNP6941	<i>Kabuli</i>	Ca_Kabuli_Chr04	37316713	(A/T)
6942	CakSNP6942	<i>Kabuli</i>	Ca_Kabuli_Chr04	37316700	(C/A)
6943	CakSNP6943	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349071	(T/C)
6944	CakSNP6944	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349212	(A/C)
6945	CakSNP6945	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349239	(C/G)
6946	CakSNP6946	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349304	(T/C)
6947	CakSNP6947	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349331	(C/T)
6948	CakSNP6948	<i>Kabuli</i>	Ca_Kabuli_Chr04	37349321	(T/C)
6949	CakSNP6949	<i>Kabuli</i>	Ca_Kabuli_Chr04	37356865	(C/A)
6950	CakSNP6950	<i>Kabuli</i>	Ca_Kabuli_Chr04	37356889	(C/T)
6951	CakSNP6951	<i>Kabuli</i>	Ca_Kabuli_Chr04	37356892	(C/T)
6952	CakSNP6952	<i>Kabuli</i>	Ca_Kabuli_Chr04	37356919	(A/T)
6953	CakSNP6953	<i>Kabuli</i>	Ca_Kabuli_Chr04	37356951	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6954	CakSNP6954	<i>Kabuli</i>	Ca_Kabuli_Chr04	37364980	(G/A)
6955	CakSNP6955	<i>Kabuli</i>	Ca_Kabuli_Chr04	37365020	(C/T)
6956	CakSNP6956	<i>Kabuli</i>	Ca_Kabuli_Chr04	37371262	(G/A)
6957	CakSNP6957	<i>Kabuli</i>	Ca_Kabuli_Chr04	37371263	(G/A)
6958	CakSNP6958	<i>Kabuli</i>	Ca_Kabuli_Chr04	37433459	(G/T)
6959	CakSNP6959	<i>Kabuli</i>	Ca_Kabuli_Chr04	37450206	(A/C)
6960	CakSNP6960	<i>Kabuli</i>	Ca_Kabuli_Chr04	37450326	(A/T)
6961	CakSNP6961	<i>Kabuli</i>	Ca_Kabuli_Chr04	37450308	(C/T)
6962	CakSNP6962	<i>Kabuli</i>	Ca_Kabuli_Chr04	37450294	(T/C)
6963	CakSNP6963	<i>Kabuli</i>	Ca_Kabuli_Chr04	37453497	(C/G)
6964	CakSNP6964	<i>Kabuli</i>	Ca_Kabuli_Chr04	37453449	(A/G)
6965	CakSNP6965	<i>Kabuli</i>	Ca_Kabuli_Chr04	37453590	(C/A)
6966	CakSNP6966	<i>Kabuli</i>	Ca_Kabuli_Chr04	37453586	(C/A)
6967	CakSNP6967	<i>Kabuli</i>	Ca_Kabuli_Chr04	37454296	(A/G)
6968	CakSNP6968	<i>Kabuli</i>	Ca_Kabuli_Chr04	37492422	(C/A)
6969	CakSNP6969	<i>Kabuli</i>	Ca_Kabuli_Chr04	37549883	(T/C)
6970	CakSNP6970	<i>Kabuli</i>	Ca_Kabuli_Chr04	37549871	(A/T)
6971	CakSNP6971	<i>Kabuli</i>	Ca_Kabuli_Chr04	37550122	(G/A)
6972	CakSNP6972	<i>Kabuli</i>	Ca_Kabuli_Chr04	37552973	(C/T)
6973	CakSNP6973	<i>Kabuli</i>	Ca_Kabuli_Chr04	37558880	(C/T)
6974	CakSNP6974	<i>Kabuli</i>	Ca_Kabuli_Chr04	37558881	(G/T)
6975	CakSNP6975	<i>Kabuli</i>	Ca_Kabuli_Chr04	37575636	(T/C)
6976	CakSNP6976	<i>Kabuli</i>	Ca_Kabuli_Chr04	37575670	(C/T)
6977	CakSNP6977	<i>Kabuli</i>	Ca_Kabuli_Chr04	37575709	(C/T)
6978	CakSNP6978	<i>Kabuli</i>	Ca_Kabuli_Chr04	37612154	(A/G)
6979	CakSNP6979	<i>Kabuli</i>	Ca_Kabuli_Chr04	37630404	(A/G)
6980	CakSNP6980	<i>Kabuli</i>	Ca_Kabuli_Chr04	37630445	(A/G)
6981	CakSNP6981	<i>Kabuli</i>	Ca_Kabuli_Chr04	37630527	(G/A)
6982	CakSNP6982	<i>Kabuli</i>	Ca_Kabuli_Chr04	37630520	(G/C)
6983	CakSNP6983	<i>Kabuli</i>	Ca_Kabuli_Chr04	37634624	(C/T)
6984	CakSNP6984	<i>Kabuli</i>	Ca_Kabuli_Chr04	37635300	(T/A)
6985	CakSNP6985	<i>Kabuli</i>	Ca_Kabuli_Chr04	37685824	(T/C)
6986	CakSNP6986	<i>Kabuli</i>	Ca_Kabuli_Chr04	37685842	(T/G)
6987	CakSNP6987	<i>Kabuli</i>	Ca_Kabuli_Chr04	37699176	(G/A)
6988	CakSNP6988	<i>Kabuli</i>	Ca_Kabuli_Chr04	37699141	(T/G)
6989	CakSNP6989	<i>Kabuli</i>	Ca_Kabuli_Chr04	37699140	(C/T)
6990	CakSNP6990	<i>Kabuli</i>	Ca_Kabuli_Chr04	37703656	(G/T)
6991	CakSNP6991	<i>Kabuli</i>	Ca_Kabuli_Chr04	37703653	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6992	CakSNP6992	<i>Kabuli</i>	Ca_Kabuli_Chr04	37703651	(T/C)
6993	CakSNP6993	<i>Kabuli</i>	Ca_Kabuli_Chr04	37703649	(A/C)
6994	CakSNP6994	<i>Kabuli</i>	Ca_Kabuli_Chr04	37703648	(C/T)
6995	CakSNP6995	<i>Kabuli</i>	Ca_Kabuli_Chr04	37707115	(G/A)
6996	CakSNP6996	<i>Kabuli</i>	Ca_Kabuli_Chr04	37708260	(A/G)
6997	CakSNP6997	<i>Kabuli</i>	Ca_Kabuli_Chr04	37708348	(T/G)
6998	CakSNP6998	<i>Kabuli</i>	Ca_Kabuli_Chr04	37708334	(T/A)
6999	CakSNP6999	<i>Kabuli</i>	Ca_Kabuli_Chr04	37753479	(C/T)
7000	CakSNP7000	<i>Kabuli</i>	Ca_Kabuli_Chr04	37806689	(T/C)
7001	CakSNP7001	<i>Kabuli</i>	Ca_Kabuli_Chr04	37812917	(G/C)
7002	CakSNP7002	<i>Kabuli</i>	Ca_Kabuli_Chr04	37859069	(T/G)
7003	CakSNP7003	<i>Kabuli</i>	Ca_Kabuli_Chr04	37897261	(G/T)
7004	CakSNP7004	<i>Kabuli</i>	Ca_Kabuli_Chr04	37897266	(A/T)
7005	CakSNP7005	<i>Kabuli</i>	Ca_Kabuli_Chr04	37897351	(C/A)
7006	CakSNP7006	<i>Kabuli</i>	Ca_Kabuli_Chr04	37898404	(A/G)
7007	CakSNP7007	<i>Kabuli</i>	Ca_Kabuli_Chr04	37899597	(C/T)
7008	CakSNP7008	<i>Kabuli</i>	Ca_Kabuli_Chr04	37901584	(C/T)
7009	CakSNP7009	<i>Kabuli</i>	Ca_Kabuli_Chr04	37901575	(G/A)
7010	CakSNP7010	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008062	(T/A)
7011	CakSNP7011	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008082	(T/C)
7012	CakSNP7012	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008243	(C/T)
7013	CakSNP7013	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008227	(G/T)
7014	CakSNP7014	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008213	(C/T)
7015	CakSNP7015	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008205	(A/G)
7016	CakSNP7016	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008204	(G/A)
7017	CakSNP7017	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008186	(A/C)
7018	CakSNP7018	<i>Kabuli</i>	Ca_Kabuli_Chr04	38008174	(A/G)
7019	CakSNP7019	<i>Kabuli</i>	Ca_Kabuli_Chr04	38027560	(G/A)
7020	CakSNP7020	<i>Kabuli</i>	Ca_Kabuli_Chr04	38029012	(T/C)
7021	CakSNP7021	<i>Kabuli</i>	Ca_Kabuli_Chr04	38029050	(G/A)
7022	CakSNP7022	<i>Kabuli</i>	Ca_Kabuli_Chr04	38029136	(G/T)
7023	CakSNP7023	<i>Kabuli</i>	Ca_Kabuli_Chr04	38038865	(C/T)
7024	CakSNP7024	<i>Kabuli</i>	Ca_Kabuli_Chr04	38038959	(A/G)
7025	CakSNP7025	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039037	(T/C)
7026	CakSNP7026	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039046	(C/T)
7027	CakSNP7027	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039076	(A/G)
7028	CakSNP7028	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039088	(T/C)
7029	CakSNP7029	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039251	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7030	CakSNP7030	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039289	(G/A)
7031	CakSNP7031	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039297	(C/T)
7032	CakSNP7032	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039313	(G/A)
7033	CakSNP7033	<i>Kabuli</i>	Ca_Kabuli_Chr04	38039371	(T/C)
7034	CakSNP7034	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153183	(C/A)
7035	CakSNP7035	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153195	(T/C)
7036	CakSNP7036	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153216	(T/C)
7037	CakSNP7037	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153277	(A/G)
7038	CakSNP7038	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153275	(C/A)
7039	CakSNP7039	<i>Kabuli</i>	Ca_Kabuli_Chr04	38153269	(A/C)
7040	CakSNP7040	<i>Kabuli</i>	Ca_Kabuli_Chr04	38179583	(A/C)
7041	CakSNP7041	<i>Kabuli</i>	Ca_Kabuli_Chr04	38179614	(G/C)
7042	CakSNP7042	<i>Kabuli</i>	Ca_Kabuli_Chr04	38181292	(G/A)
7043	CakSNP7043	<i>Kabuli</i>	Ca_Kabuli_Chr04	38195411	(T/A)
7044	CakSNP7044	<i>Kabuli</i>	Ca_Kabuli_Chr04	38195438	(C/T)
7045	CakSNP7045	<i>Kabuli</i>	Ca_Kabuli_Chr04	38215267	(G/A)
7046	CakSNP7046	<i>Kabuli</i>	Ca_Kabuli_Chr04	38221009	(A/G)
7047	CakSNP7047	<i>Kabuli</i>	Ca_Kabuli_Chr04	38288823	(G/T)
7048	CakSNP7048	<i>Kabuli</i>	Ca_Kabuli_Chr04	38288877	(C/G)
7049	CakSNP7049	<i>Kabuli</i>	Ca_Kabuli_Chr04	38289066	(G/A)
7050	CakSNP7050	<i>Kabuli</i>	Ca_Kabuli_Chr04	38289052	(G/A)
7051	CakSNP7051	<i>Kabuli</i>	Ca_Kabuli_Chr04	38288997	(T/A)
7052	CakSNP7052	<i>Kabuli</i>	Ca_Kabuli_Chr04	38343633	(A/T)
7053	CakSNP7053	<i>Kabuli</i>	Ca_Kabuli_Chr04	38343750	(C/T)
7054	CakSNP7054	<i>Kabuli</i>	Ca_Kabuli_Chr04	38343687	(C/T)
7055	CakSNP7055	<i>Kabuli</i>	Ca_Kabuli_Chr04	38358067	(A/G)
7056	CakSNP7056	<i>Kabuli</i>	Ca_Kabuli_Chr04	38358398	(A/G)
7057	CakSNP7057	<i>Kabuli</i>	Ca_Kabuli_Chr04	38358677	(G/A)
7058	CakSNP7058	<i>Kabuli</i>	Ca_Kabuli_Chr04	38358887	(G/A)
7059	CakSNP7059	<i>Kabuli</i>	Ca_Kabuli_Chr04	38358869	(G/A)
7060	CakSNP7060	<i>Kabuli</i>	Ca_Kabuli_Chr04	38362132	(T/A)
7061	CakSNP7061	<i>Kabuli</i>	Ca_Kabuli_Chr04	38362139	(T/A)
7062	CakSNP7062	<i>Kabuli</i>	Ca_Kabuli_Chr04	38364369	(C/T)
7063	CakSNP7063	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370848	(A/G)
7064	CakSNP7064	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370864	(G/A)
7065	CakSNP7065	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370941	(A/G)
7066	CakSNP7066	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370930	(C/T)
7067	CakSNP7067	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370926	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7068	CakSNP7068	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370925	(G/A)
7069	CakSNP7069	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370922	(G/A)
7070	CakSNP7070	<i>Kabuli</i>	Ca_Kabuli_Chr04	38370921	(T/G)
7071	CakSNP7071	<i>Kabuli</i>	Ca_Kabuli_Chr04	38382809	(T/C)
7072	CakSNP7072	<i>Kabuli</i>	Ca_Kabuli_Chr04	38382890	(C/G)
7073	CakSNP7073	<i>Kabuli</i>	Ca_Kabuli_Chr04	38421798	(A/C)
7074	CakSNP7074	<i>Kabuli</i>	Ca_Kabuli_Chr04	38422037	(C/T)
7075	CakSNP7075	<i>Kabuli</i>	Ca_Kabuli_Chr04	38421984	(C/T)
7076	CakSNP7076	<i>Kabuli</i>	Ca_Kabuli_Chr04	38425675	(A/G)
7077	CakSNP7077	<i>Kabuli</i>	Ca_Kabuli_Chr04	38425720	(T/A)
7078	CakSNP7078	<i>Kabuli</i>	Ca_Kabuli_Chr04	38473540	(A/G)
7079	CakSNP7079	<i>Kabuli</i>	Ca_Kabuli_Chr04	38473653	(T/C)
7080	CakSNP7080	<i>Kabuli</i>	Ca_Kabuli_Chr04	38474123	(A/T)
7081	CakSNP7081	<i>Kabuli</i>	Ca_Kabuli_Chr04	38474108	(T/C)
7082	CakSNP7082	<i>Kabuli</i>	Ca_Kabuli_Chr04	38474192	(T/C)
7083	CakSNP7083	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475310	(A/C)
7084	CakSNP7084	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475425	(A/G)
7085	CakSNP7085	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475449	(T/A)
7086	CakSNP7086	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475442	(A/G)
7087	CakSNP7087	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475424	(C/G)
7088	CakSNP7088	<i>Kabuli</i>	Ca_Kabuli_Chr04	38475547	(C/T)
7089	CakSNP7089	<i>Kabuli</i>	Ca_Kabuli_Chr04	38540201	(C/T)
7090	CakSNP7090	<i>Kabuli</i>	Ca_Kabuli_Chr04	38540236	(C/T)
7091	CakSNP7091	<i>Kabuli</i>	Ca_Kabuli_Chr04	38540247	(G/A)
7092	CakSNP7092	<i>Kabuli</i>	Ca_Kabuli_Chr04	38620579	(C/T)
7093	CakSNP7093	<i>Kabuli</i>	Ca_Kabuli_Chr04	38620620	(A/T)
7094	CakSNP7094	<i>Kabuli</i>	Ca_Kabuli_Chr04	38659377	(T/C)
7095	CakSNP7095	<i>Kabuli</i>	Ca_Kabuli_Chr04	38659398	(G/A)
7096	CakSNP7096	<i>Kabuli</i>	Ca_Kabuli_Chr04	38659534	(T/A)
7097	CakSNP7097	<i>Kabuli</i>	Ca_Kabuli_Chr04	38679987	(A/G)
7098	CakSNP7098	<i>Kabuli</i>	Ca_Kabuli_Chr04	38721154	(A/G)
7099	CakSNP7099	<i>Kabuli</i>	Ca_Kabuli_Chr04	38721160	(A/G)
7100	CakSNP7100	<i>Kabuli</i>	Ca_Kabuli_Chr04	38721207	(A/C)
7101	CakSNP7101	<i>Kabuli</i>	Ca_Kabuli_Chr04	38756507	(T/C)
7102	CakSNP7102	<i>Kabuli</i>	Ca_Kabuli_Chr04	38756510	(C/G)
7103	CakSNP7103	<i>Kabuli</i>	Ca_Kabuli_Chr04	38759640	(A/C)
7104	CakSNP7104	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770348	(T/A)
7105	CakSNP7105	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770370	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7106	CakSNP7106	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770450	(C/G)
7107	CakSNP7107	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770510	(G/A)
7108	CakSNP7108	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770606	(G/A)
7109	CakSNP7109	<i>Kabuli</i>	Ca_Kabuli_Chr04	38770582	(G/A)
7110	CakSNP7110	<i>Kabuli</i>	Ca_Kabuli_Chr04	38785535	(G/A)
7111	CakSNP7111	<i>Kabuli</i>	Ca_Kabuli_Chr04	38829959	(T/G)
7112	CakSNP7112	<i>Kabuli</i>	Ca_Kabuli_Chr04	38833304	(C/A)
7113	CakSNP7113	<i>Kabuli</i>	Ca_Kabuli_Chr04	38833280	(C/T)
7114	CakSNP7114	<i>Kabuli</i>	Ca_Kabuli_Chr04	38833333	(A/C)
7115	CakSNP7115	<i>Kabuli</i>	Ca_Kabuli_Chr04	38833414	(A/C)
7116	CakSNP7116	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834383	(G/A)
7117	CakSNP7117	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834405	(G/A)
7118	CakSNP7118	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834423	(G/C)
7119	CakSNP7119	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834431	(G/A)
7120	CakSNP7120	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834448	(A/T)
7121	CakSNP7121	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834477	(A/G)
7122	CakSNP7122	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834474	(G/A)
7123	CakSNP7123	<i>Kabuli</i>	Ca_Kabuli_Chr04	38834453	(C/T)
7124	CakSNP7124	<i>Kabuli</i>	Ca_Kabuli_Chr04	38888779	(C/T)
7125	CakSNP7125	<i>Kabuli</i>	Ca_Kabuli_Chr04	38888791	(G/C)
7126	CakSNP7126	<i>Kabuli</i>	Ca_Kabuli_Chr04	38889023	(C/T)
7127	CakSNP7127	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918394	(A/T)
7128	CakSNP7128	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918424	(G/A)
7129	CakSNP7129	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918430	(C/A)
7130	CakSNP7130	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918628	(C/T)
7131	CakSNP7131	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918547	(T/C)
7132	CakSNP7132	<i>Kabuli</i>	Ca_Kabuli_Chr04	38918649	(G/C)
7133	CakSNP7133	<i>Kabuli</i>	Ca_Kabuli_Chr04	38929681	(A/G)
7134	CakSNP7134	<i>Kabuli</i>	Ca_Kabuli_Chr04	38948414	(C/A)
7135	CakSNP7135	<i>Kabuli</i>	Ca_Kabuli_Chr04	38961521	(G/A)
7136	CakSNP7136	<i>Kabuli</i>	Ca_Kabuli_Chr04	38978462	(A/G)
7137	CakSNP7137	<i>Kabuli</i>	Ca_Kabuli_Chr04	39031801	(C/T)
7138	CakSNP7138	<i>Kabuli</i>	Ca_Kabuli_Chr04	39031823	(G/A)
7139	CakSNP7139	<i>Kabuli</i>	Ca_Kabuli_Chr04	39042938	(T/G)
7140	CakSNP7140	<i>Kabuli</i>	Ca_Kabuli_Chr04	39042921	(T/C)
7141	CakSNP7141	<i>Kabuli</i>	Ca_Kabuli_Chr04	39057991	(T/C)
7142	CakSNP7142	<i>Kabuli</i>	Ca_Kabuli_Chr04	39058011	(G/C)
7143	CakSNP7143	<i>Kabuli</i>	Ca_Kabuli_Chr04	39081951	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7144	CakSNP7144	<i>Kabuli</i>	Ca_Kabuli_Chr04	39110408	(T/C)
7145	CakSNP7145	<i>Kabuli</i>	Ca_Kabuli_Chr04	39110448	(A/G)
7146	CakSNP7146	<i>Kabuli</i>	Ca_Kabuli_Chr04	39110735	(A/G)
7147	CakSNP7147	<i>Kabuli</i>	Ca_Kabuli_Chr04	39113309	(T/C)
7148	CakSNP7148	<i>Kabuli</i>	Ca_Kabuli_Chr04	39113327	(G/A)
7149	CakSNP7149	<i>Kabuli</i>	Ca_Kabuli_Chr04	39113330	(G/A)
7150	CakSNP7150	<i>Kabuli</i>	Ca_Kabuli_Chr04	39113401	(A/T)
7151	CakSNP7151	<i>Kabuli</i>	Ca_Kabuli_Chr04	39114000	(A/C)
7152	CakSNP7152	<i>Kabuli</i>	Ca_Kabuli_Chr04	39136826	(C/T)
7153	CakSNP7153	<i>Kabuli</i>	Ca_Kabuli_Chr04	39189012	(A/G)
7154	CakSNP7154	<i>Kabuli</i>	Ca_Kabuli_Chr04	39189016	(G/A)
7155	CakSNP7155	<i>Kabuli</i>	Ca_Kabuli_Chr04	39268505	(T/C)
7156	CakSNP7156	<i>Kabuli</i>	Ca_Kabuli_Chr04	39306900	(G/A)
7157	CakSNP7157	<i>Kabuli</i>	Ca_Kabuli_Chr04	39635746	(T/A)
7158	CakSNP7158	<i>Kabuli</i>	Ca_Kabuli_Chr04	39635721	(A/G)
7159	CakSNP7159	<i>Kabuli</i>	Ca_Kabuli_Chr04	39635720	(G/A)
7160	CakSNP7160	<i>Kabuli</i>	Ca_Kabuli_Chr04	39635718	(C/T)
7161	CakSNP7161	<i>Kabuli</i>	Ca_Kabuli_Chr04	39650872	(T/C)
7162	CakSNP7162	<i>Kabuli</i>	Ca_Kabuli_Chr04	39659757	(C/T)
7163	CakSNP7163	<i>Kabuli</i>	Ca_Kabuli_Chr04	39659750	(G/A)
7164	CakSNP7164	<i>Kabuli</i>	Ca_Kabuli_Chr04	39659832	(C/T)
7165	CakSNP7165	<i>Kabuli</i>	Ca_Kabuli_Chr04	39715087	(A/G)
7166	CakSNP7166	<i>Kabuli</i>	Ca_Kabuli_Chr04	39719606	(C/G)
7167	CakSNP7167	<i>Kabuli</i>	Ca_Kabuli_Chr04	39719747	(G/T)
7168	CakSNP7168	<i>Kabuli</i>	Ca_Kabuli_Chr04	39779796	(G/A)
7169	CakSNP7169	<i>Kabuli</i>	Ca_Kabuli_Chr04	39803305	(T/C)
7170	CakSNP7170	<i>Kabuli</i>	Ca_Kabuli_Chr04	39849612	(G/T)
7171	CakSNP7171	<i>Kabuli</i>	Ca_Kabuli_Chr04	39849657	(G/A)
7172	CakSNP7172	<i>Kabuli</i>	Ca_Kabuli_Chr04	39964930	(T/C)
7173	CakSNP7173	<i>Kabuli</i>	Ca_Kabuli_Chr04	40010119	(A/C)
7174	CakSNP7174	<i>Kabuli</i>	Ca_Kabuli_Chr04	40010201	(A/G)
7175	CakSNP7175	<i>Kabuli</i>	Ca_Kabuli_Chr04	40010177	(G/A)
7176	CakSNP7176	<i>Kabuli</i>	Ca_Kabuli_Chr04	40010165	(A/C)
7177	CakSNP7177	<i>Kabuli</i>	Ca_Kabuli_Chr04	40059880	(C/T)
7178	CakSNP7178	<i>Kabuli</i>	Ca_Kabuli_Chr04	40060022	(C/T)
7179	CakSNP7179	<i>Kabuli</i>	Ca_Kabuli_Chr04	40060063	(T/G)
7180	CakSNP7180	<i>Kabuli</i>	Ca_Kabuli_Chr04	40061195	(T/C)
7181	CakSNP7181	<i>Kabuli</i>	Ca_Kabuli_Chr04	40061262	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7182	CakSNP7182	<i>Kabuli</i>	Ca_Kabuli_Chr04	40065505	(T/A)
7183	CakSNP7183	<i>Kabuli</i>	Ca_Kabuli_Chr04	40134460	(A/G)
7184	CakSNP7184	<i>Kabuli</i>	Ca_Kabuli_Chr04	40134518	(T/C)
7185	CakSNP7185	<i>Kabuli</i>	Ca_Kabuli_Chr04	40149064	(C/T)
7186	CakSNP7186	<i>Kabuli</i>	Ca_Kabuli_Chr04	40149132	(G/C)
7187	CakSNP7187	<i>Kabuli</i>	Ca_Kabuli_Chr04	40149324	(G/C)
7188	CakSNP7188	<i>Kabuli</i>	Ca_Kabuli_Chr04	40169176	(T/G)
7189	CakSNP7189	<i>Kabuli</i>	Ca_Kabuli_Chr04	40185606	(A/G)
7190	CakSNP7190	<i>Kabuli</i>	Ca_Kabuli_Chr04	40199692	(A/C)
7191	CakSNP7191	<i>Kabuli</i>	Ca_Kabuli_Chr04	40218375	(G/T)
7192	CakSNP7192	<i>Kabuli</i>	Ca_Kabuli_Chr04	40218410	(G/A)
7193	CakSNP7193	<i>Kabuli</i>	Ca_Kabuli_Chr04	40267713	(G/T)
7194	CakSNP7194	<i>Kabuli</i>	Ca_Kabuli_Chr04	40267719	(G/A)
7195	CakSNP7195	<i>Kabuli</i>	Ca_Kabuli_Chr04	40279513	(G/T)
7196	CakSNP7196	<i>Kabuli</i>	Ca_Kabuli_Chr04	40313721	(A/G)
7197	CakSNP7197	<i>Kabuli</i>	Ca_Kabuli_Chr04	40349170	(C/T)
7198	CakSNP7198	<i>Kabuli</i>	Ca_Kabuli_Chr04	40368028	(C/T)
7199	CakSNP7199	<i>Kabuli</i>	Ca_Kabuli_Chr04	40368278	(T/C)
7200	CakSNP7200	<i>Kabuli</i>	Ca_Kabuli_Chr04	40368765	(G/A)
7201	CakSNP7201	<i>Kabuli</i>	Ca_Kabuli_Chr04	40375386	(C/T)
7202	CakSNP7202	<i>Kabuli</i>	Ca_Kabuli_Chr04	40375361	(A/G)
7203	CakSNP7203	<i>Kabuli</i>	Ca_Kabuli_Chr04	40429387	(G/A)
7204	CakSNP7204	<i>Kabuli</i>	Ca_Kabuli_Chr04	40471412	(G/C)
7205	CakSNP7205	<i>Kabuli</i>	Ca_Kabuli_Chr04	40472097	(A/G)
7206	CakSNP7206	<i>Kabuli</i>	Ca_Kabuli_Chr04	40513733	(C/T)
7207	CakSNP7207	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583205	(G/T)
7208	CakSNP7208	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583206	(A/T)
7209	CakSNP7209	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583211	(G/T)
7210	CakSNP7210	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583214	(G/A)
7211	CakSNP7211	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583216	(C/A)
7212	CakSNP7212	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583217	(G/A)
7213	CakSNP7213	<i>Kabuli</i>	Ca_Kabuli_Chr04	40583219	(G/A)
7214	CakSNP7214	<i>Kabuli</i>	Ca_Kabuli_Chr04	40597192	(G/A)
7215	CakSNP7215	<i>Kabuli</i>	Ca_Kabuli_Chr04	40597534	(A/G)
7216	CakSNP7216	<i>Kabuli</i>	Ca_Kabuli_Chr04	40597464	(G/A)
7217	CakSNP7217	<i>Kabuli</i>	Ca_Kabuli_Chr04	40723208	(C/G)
7218	CakSNP7218	<i>Kabuli</i>	Ca_Kabuli_Chr04	40723212	(G/A)
7219	CakSNP7219	<i>Kabuli</i>	Ca_Kabuli_Chr04	40734572	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7220	CakSNP7220	<i>Kabuli</i>	Ca_Kabuli_Chr04	40734765	(G/A)
7221	CakSNP7221	<i>Kabuli</i>	Ca_Kabuli_Chr04	40738927	(C/T)
7222	CakSNP7222	<i>Kabuli</i>	Ca_Kabuli_Chr04	40795060	(G/A)
7223	CakSNP7223	<i>Kabuli</i>	Ca_Kabuli_Chr04	40795085	(C/G)
7224	CakSNP7224	<i>Kabuli</i>	Ca_Kabuli_Chr04	40795137	(T/G)
7225	CakSNP7225	<i>Kabuli</i>	Ca_Kabuli_Chr04	40801783	(T/C)
7226	CakSNP7226	<i>Kabuli</i>	Ca_Kabuli_Chr04	40801791	(C/G)
7227	CakSNP7227	<i>Kabuli</i>	Ca_Kabuli_Chr04	40805740	(C/A)
7228	CakSNP7228	<i>Kabuli</i>	Ca_Kabuli_Chr04	40806993	(A/G)
7229	CakSNP7229	<i>Kabuli</i>	Ca_Kabuli_Chr04	40839967	(G/A)
7230	CakSNP7230	<i>Kabuli</i>	Ca_Kabuli_Chr04	40839949	(G/A)
7231	CakSNP7231	<i>Kabuli</i>	Ca_Kabuli_Chr04	40852381	(A/C)
7232	CakSNP7232	<i>Kabuli</i>	Ca_Kabuli_Chr04	40852475	(T/C)
7233	CakSNP7233	<i>Kabuli</i>	Ca_Kabuli_Chr04	40912677	(A/G)
7234	CakSNP7234	<i>Kabuli</i>	Ca_Kabuli_Chr04	40912681	(A/G)
7235	CakSNP7235	<i>Kabuli</i>	Ca_Kabuli_Chr04	40912714	(C/G)
7236	CakSNP7236	<i>Kabuli</i>	Ca_Kabuli_Chr04	40912731	(C/T)
7237	CakSNP7237	<i>Kabuli</i>	Ca_Kabuli_Chr04	40917776	(C/A)
7238	CakSNP7238	<i>Kabuli</i>	Ca_Kabuli_Chr04	40917777	(T/A)
7239	CakSNP7239	<i>Kabuli</i>	Ca_Kabuli_Chr04	40917807	(C/T)
7240	CakSNP7240	<i>Kabuli</i>	Ca_Kabuli_Chr04	40941283	(A/G)
7241	CakSNP7241	<i>Kabuli</i>	Ca_Kabuli_Chr04	41032564	(A/G)
7242	CakSNP7242	<i>Kabuli</i>	Ca_Kabuli_Chr04	41032590	(C/A)
7243	CakSNP7243	<i>Kabuli</i>	Ca_Kabuli_Chr04	41032599	(T/C)
7244	CakSNP7244	<i>Kabuli</i>	Ca_Kabuli_Chr04	41032608	(T/C)
7245	CakSNP7245	<i>Kabuli</i>	Ca_Kabuli_Chr04	41070048	(C/G)
7246	CakSNP7246	<i>Kabuli</i>	Ca_Kabuli_Chr04	41070017	(T/A)
7247	CakSNP7247	<i>Kabuli</i>	Ca_Kabuli_Chr04	41094082	(T/C)
7248	CakSNP7248	<i>Kabuli</i>	Ca_Kabuli_Chr04	41094554	(A/C)
7249	CakSNP7249	<i>Kabuli</i>	Ca_Kabuli_Chr04	41094685	(G/C)
7250	CakSNP7250	<i>Kabuli</i>	Ca_Kabuli_Chr04	41117822	(C/A)
7251	CakSNP7251	<i>Kabuli</i>	Ca_Kabuli_Chr04	41141086	(G/T)
7252	CakSNP7252	<i>Kabuli</i>	Ca_Kabuli_Chr04	41142299	(T/C)
7253	CakSNP7253	<i>Kabuli</i>	Ca_Kabuli_Chr04	41142290	(A/G)
7254	CakSNP7254	<i>Kabuli</i>	Ca_Kabuli_Chr04	41142288	(T/C)
7255	CakSNP7255	<i>Kabuli</i>	Ca_Kabuli_Chr04	41144277	(T/A)
7256	CakSNP7256	<i>Kabuli</i>	Ca_Kabuli_Chr04	41145767	(C/T)
7257	CakSNP7257	<i>Kabuli</i>	Ca_Kabuli_Chr04	41145875	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7258	CakSNP7258	<i>Kabuli</i>	Ca_Kabuli_Chr04	41207328	(C/T)
7259	CakSNP7259	<i>Kabuli</i>	Ca_Kabuli_Chr04	41207356	(C/T)
7260	CakSNP7260	<i>Kabuli</i>	Ca_Kabuli_Chr04	41207392	(T/G)
7261	CakSNP7261	<i>Kabuli</i>	Ca_Kabuli_Chr04	41207354	(A/C)
7262	CakSNP7262	<i>Kabuli</i>	Ca_Kabuli_Chr04	41209521	(T/G)
7263	CakSNP7263	<i>Kabuli</i>	Ca_Kabuli_Chr04	41209711	(C/A)
7264	CakSNP7264	<i>Kabuli</i>	Ca_Kabuli_Chr04	41215850	(A/C)
7265	CakSNP7265	<i>Kabuli</i>	Ca_Kabuli_Chr04	41228918	(T/C)
7266	CakSNP7266	<i>Kabuli</i>	Ca_Kabuli_Chr04	41229605	(C/T)
7267	CakSNP7267	<i>Kabuli</i>	Ca_Kabuli_Chr04	41277786	(G/A)
7268	CakSNP7268	<i>Kabuli</i>	Ca_Kabuli_Chr04	41277799	(T/G)
7269	CakSNP7269	<i>Kabuli</i>	Ca_Kabuli_Chr04	41292152	(T/C)
7270	CakSNP7270	<i>Kabuli</i>	Ca_Kabuli_Chr04	41319598	(T/C)
7271	CakSNP7271	<i>Kabuli</i>	Ca_Kabuli_Chr04	41319610	(G/A)
7272	CakSNP7272	<i>Kabuli</i>	Ca_Kabuli_Chr04	41344739	(A/T)
7273	CakSNP7273	<i>Kabuli</i>	Ca_Kabuli_Chr04	41427081	(A/T)
7274	CakSNP7274	<i>Kabuli</i>	Ca_Kabuli_Chr04	41427086	(C/A)
7275	CakSNP7275	<i>Kabuli</i>	Ca_Kabuli_Chr04	41427093	(T/G)
7276	CakSNP7276	<i>Kabuli</i>	Ca_Kabuli_Chr04	41445171	(T/C)
7277	CakSNP7277	<i>Kabuli</i>	Ca_Kabuli_Chr04	41445212	(A/G)
7278	CakSNP7278	<i>Kabuli</i>	Ca_Kabuli_Chr04	41445225	(A/T)
7279	CakSNP7279	<i>Kabuli</i>	Ca_Kabuli_Chr04	41445242	(C/T)
7280	CakSNP7280	<i>Kabuli</i>	Ca_Kabuli_Chr04	41458426	(A/G)
7281	CakSNP7281	<i>Kabuli</i>	Ca_Kabuli_Chr04	41500284	(A/C)
7282	CakSNP7282	<i>Kabuli</i>	Ca_Kabuli_Chr04	41500286	(A/G)
7283	CakSNP7283	<i>Kabuli</i>	Ca_Kabuli_Chr04	41512840	(G/A)
7284	CakSNP7284	<i>Kabuli</i>	Ca_Kabuli_Chr04	41568682	(A/C)
7285	CakSNP7285	<i>Kabuli</i>	Ca_Kabuli_Chr04	41629852	(T/A)
7286	CakSNP7286	<i>Kabuli</i>	Ca_Kabuli_Chr04	41648927	(C/T)
7287	CakSNP7287	<i>Kabuli</i>	Ca_Kabuli_Chr04	41648998	(A/G)
7288	CakSNP7288	<i>Kabuli</i>	Ca_Kabuli_Chr04	41675299	(A/T)
7289	CakSNP7289	<i>Kabuli</i>	Ca_Kabuli_Chr04	41698291	(A/G)
7290	CakSNP7290	<i>Kabuli</i>	Ca_Kabuli_Chr04	41698386	(A/G)
7291	CakSNP7291	<i>Kabuli</i>	Ca_Kabuli_Chr04	41700712	(C/A)
7292	CakSNP7292	<i>Kabuli</i>	Ca_Kabuli_Chr04	41721289	(G/A)
7293	CakSNP7293	<i>Kabuli</i>	Ca_Kabuli_Chr04	41772690	(C/T)
7294	CakSNP7294	<i>Kabuli</i>	Ca_Kabuli_Chr04	41772823	(G/A)
7295	CakSNP7295	<i>Kabuli</i>	Ca_Kabuli_Chr04	41772796	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7296	CakSNP7296	<i>Kabuli</i>	Ca_Kabuli_Chr04	41772794	(T/C)
7297	CakSNP7297	<i>Kabuli</i>	Ca_Kabuli_Chr04	41864826	(G/A)
7298	CakSNP7298	<i>Kabuli</i>	Ca_Kabuli_Chr04	41864846	(C/G)
7299	CakSNP7299	<i>Kabuli</i>	Ca_Kabuli_Chr04	41938784	(A/G)
7300	CakSNP7300	<i>Kabuli</i>	Ca_Kabuli_Chr04	41938812	(T/G)
7301	CakSNP7301	<i>Kabuli</i>	Ca_Kabuli_Chr04	41956050	(C/G)
7302	CakSNP7302	<i>Kabuli</i>	Ca_Kabuli_Chr04	41956085	(T/C)
7303	CakSNP7303	<i>Kabuli</i>	Ca_Kabuli_Chr04	41987193	(A/G)
7304	CakSNP7304	<i>Kabuli</i>	Ca_Kabuli_Chr04	42056479	(G/A)
7305	CakSNP7305	<i>Kabuli</i>	Ca_Kabuli_Chr04	42092379	(T/G)
7306	CakSNP7306	<i>Kabuli</i>	Ca_Kabuli_Chr04	42092381	(A/G)
7307	CakSNP7307	<i>Kabuli</i>	Ca_Kabuli_Chr04	42092385	(G/A)
7308	CakSNP7308	<i>Kabuli</i>	Ca_Kabuli_Chr04	42105737	(C/T)
7309	CakSNP7309	<i>Kabuli</i>	Ca_Kabuli_Chr04	42105701	(A/T)
7310	CakSNP7310	<i>Kabuli</i>	Ca_Kabuli_Chr04	42108980	(C/A)
7311	CakSNP7311	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246499	(C/T)
7312	CakSNP7312	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246527	(C/A)
7313	CakSNP7313	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246565	(T/G)
7314	CakSNP7314	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246566	(T/G)
7315	CakSNP7315	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246572	(T/G)
7316	CakSNP7316	<i>Kabuli</i>	Ca_Kabuli_Chr04	42246653	(C/G)
7317	CakSNP7317	<i>Kabuli</i>	Ca_Kabuli_Chr04	42273252	(G/A)
7318	CakSNP7318	<i>Kabuli</i>	Ca_Kabuli_Chr04	42353949	(C/T)
7319	CakSNP7319	<i>Kabuli</i>	Ca_Kabuli_Chr04	42499699	(A/T)
7320	CakSNP7320	<i>Kabuli</i>	Ca_Kabuli_Chr04	42603642	(T/C)
7321	CakSNP7321	<i>Kabuli</i>	Ca_Kabuli_Chr04	42768142	(T/G)
7322	CakSNP7322	<i>Kabuli</i>	Ca_Kabuli_Chr04	42807483	(G/A)
7323	CakSNP7323	<i>Kabuli</i>	Ca_Kabuli_Chr04	42807518	(A/G)
7324	CakSNP7324	<i>Kabuli</i>	Ca_Kabuli_Chr04	42807509	(C/T)
7325	CakSNP7325	<i>Kabuli</i>	Ca_Kabuli_Chr04	43319846	(A/G)
7326	CakSNP7326	<i>Kabuli</i>	Ca_Kabuli_Chr04	43324547	(G/C)
7327	CakSNP7327	<i>Kabuli</i>	Ca_Kabuli_Chr04	43431770	(C/T)
7328	CakSNP7328	<i>Kabuli</i>	Ca_Kabuli_Chr04	43431772	(T/A)
7329	CakSNP7329	<i>Kabuli</i>	Ca_Kabuli_Chr04	43431815	(G/T)
7330	CakSNP7330	<i>Kabuli</i>	Ca_Kabuli_Chr04	43446753	(T/A)
7331	CakSNP7331	<i>Kabuli</i>	Ca_Kabuli_Chr04	43447262	(A/T)
7332	CakSNP7332	<i>Kabuli</i>	Ca_Kabuli_Chr04	43476193	(T/C)
7333	CakSNP7333	<i>Kabuli</i>	Ca_Kabuli_Chr04	43653225	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7334	CakSNP7334	<i>Kabuli</i>	Ca_Kabuli_Chr04	43653226	(C/T)
7335	CakSNP7335	<i>Kabuli</i>	Ca_Kabuli_Chr04	43662224	(A/C)
7336	CakSNP7336	<i>Kabuli</i>	Ca_Kabuli_Chr04	43677006	(T/G)
7337	CakSNP7337	<i>Kabuli</i>	Ca_Kabuli_Chr04	43677222	(C/T)
7338	CakSNP7338	<i>Kabuli</i>	Ca_Kabuli_Chr04	43722728	(T/C)
7339	CakSNP7339	<i>Kabuli</i>	Ca_Kabuli_Chr04	43722727	(A/G)
7340	CakSNP7340	<i>Kabuli</i>	Ca_Kabuli_Chr04	43722704	(C/G)
7341	CakSNP7341	<i>Kabuli</i>	Ca_Kabuli_Chr04	43723219	(T/G)
7342	CakSNP7342	<i>Kabuli</i>	Ca_Kabuli_Chr04	43723224	(C/A)
7343	CakSNP7343	<i>Kabuli</i>	Ca_Kabuli_Chr04	43723248	(T/C)
7344	CakSNP7344	<i>Kabuli</i>	Ca_Kabuli_Chr04	43726406	(C/T)
7345	CakSNP7345	<i>Kabuli</i>	Ca_Kabuli_Chr04	43729063	(G/T)
7346	CakSNP7346	<i>Kabuli</i>	Ca_Kabuli_Chr04	43729261	(C/G)
7347	CakSNP7347	<i>Kabuli</i>	Ca_Kabuli_Chr04	43729266	(A/G)
7348	CakSNP7348	<i>Kabuli</i>	Ca_Kabuli_Chr04	43807399	(C/T)
7349	CakSNP7349	<i>Kabuli</i>	Ca_Kabuli_Chr04	43807460	(C/T)
7350	CakSNP7350	<i>Kabuli</i>	Ca_Kabuli_Chr04	43840666	(C/G)
7351	CakSNP7351	<i>Kabuli</i>	Ca_Kabuli_Chr04	43840650	(C/T)
7352	CakSNP7352	<i>Kabuli</i>	Ca_Kabuli_Chr04	43979065	(A/G)
7353	CakSNP7353	<i>Kabuli</i>	Ca_Kabuli_Chr04	44008835	(T/C)
7354	CakSNP7354	<i>Kabuli</i>	Ca_Kabuli_Chr04	44059060	(C/T)
7355	CakSNP7355	<i>Kabuli</i>	Ca_Kabuli_Chr04	44059061	(G/A)
7356	CakSNP7356	<i>Kabuli</i>	Ca_Kabuli_Chr04	44067780	(G/A)
7357	CakSNP7357	<i>Kabuli</i>	Ca_Kabuli_Chr04	44090929	(T/G)
7358	CakSNP7358	<i>Kabuli</i>	Ca_Kabuli_Chr04	44186434	(C/G)
7359	CakSNP7359	<i>Kabuli</i>	Ca_Kabuli_Chr04	44239783	(A/C)
7360	CakSNP7360	<i>Kabuli</i>	Ca_Kabuli_Chr04	44239883	(A/T)
7361	CakSNP7361	<i>Kabuli</i>	Ca_Kabuli_Chr04	44250159	(C/T)
7362	CakSNP7362	<i>Kabuli</i>	Ca_Kabuli_Chr04	44261184	(A/C)
7363	CakSNP7363	<i>Kabuli</i>	Ca_Kabuli_Chr04	44261909	(T/A)
7364	CakSNP7364	<i>Kabuli</i>	Ca_Kabuli_Chr04	44266692	(T/A)
7365	CakSNP7365	<i>Kabuli</i>	Ca_Kabuli_Chr04	44266695	(G/A)
7366	CakSNP7366	<i>Kabuli</i>	Ca_Kabuli_Chr04	44266758	(C/T)
7367	CakSNP7367	<i>Kabuli</i>	Ca_Kabuli_Chr04	44266819	(G/A)
7368	CakSNP7368	<i>Kabuli</i>	Ca_Kabuli_Chr04	44353354	(C/T)
7369	CakSNP7369	<i>Kabuli</i>	Ca_Kabuli_Chr04	44353343	(G/A)
7370	CakSNP7370	<i>Kabuli</i>	Ca_Kabuli_Chr04	44375761	(T/C)
7371	CakSNP7371	<i>Kabuli</i>	Ca_Kabuli_Chr04	44375831	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7372	CakSNP7372	<i>Kabuli</i>	Ca_Kabuli_Chr04	44382515	(A/G)
7373	CakSNP7373	<i>Kabuli</i>	Ca_Kabuli_Chr04	44382677	(C/T)
7374	CakSNP7374	<i>Kabuli</i>	Ca_Kabuli_Chr04	44382671	(C/G)
7375	CakSNP7375	<i>Kabuli</i>	Ca_Kabuli_Chr04	44382614	(C/A)
7376	CakSNP7376	<i>Kabuli</i>	Ca_Kabuli_Chr04	44382602	(A/G)
7377	CakSNP7377	<i>Kabuli</i>	Ca_Kabuli_Chr04	44386579	(A/G)
7378	CakSNP7378	<i>Kabuli</i>	Ca_Kabuli_Chr04	44431319	(A/C)
7379	CakSNP7379	<i>Kabuli</i>	Ca_Kabuli_Chr04	44431353	(G/A)
7380	CakSNP7380	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439372	(C/T)
7381	CakSNP7381	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439503	(C/A)
7382	CakSNP7382	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439495	(G/A)
7383	CakSNP7383	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439493	(A/G)
7384	CakSNP7384	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439492	(G/T)
7385	CakSNP7385	<i>Kabuli</i>	Ca_Kabuli_Chr04	44439448	(T/C)
7386	CakSNP7386	<i>Kabuli</i>	Ca_Kabuli_Chr04	44446468	(G/A)
7387	CakSNP7387	<i>Kabuli</i>	Ca_Kabuli_Chr04	44446575	(G/A)
7388	CakSNP7388	<i>Kabuli</i>	Ca_Kabuli_Chr04	44446506	(C/T)
7389	CakSNP7389	<i>Kabuli</i>	Ca_Kabuli_Chr04	44446503	(T/G)
7390	CakSNP7390	<i>Kabuli</i>	Ca_Kabuli_Chr04	44446497	(C/T)
7391	CakSNP7391	<i>Kabuli</i>	Ca_Kabuli_Chr04	44472282	(G/A)
7392	CakSNP7392	<i>Kabuli</i>	Ca_Kabuli_Chr04	44472278	(A/G)
7393	CakSNP7393	<i>Kabuli</i>	Ca_Kabuli_Chr04	44472237	(T/A)
7394	CakSNP7394	<i>Kabuli</i>	Ca_Kabuli_Chr04	44590652	(T/C)
7395	CakSNP7395	<i>Kabuli</i>	Ca_Kabuli_Chr04	44590678	(G/A)
7396	CakSNP7396	<i>Kabuli</i>	Ca_Kabuli_Chr04	44590697	(A/C)
7397	CakSNP7397	<i>Kabuli</i>	Ca_Kabuli_Chr04	44591405	(G/T)
7398	CakSNP7398	<i>Kabuli</i>	Ca_Kabuli_Chr04	44754355	(C/T)
7399	CakSNP7399	<i>Kabuli</i>	Ca_Kabuli_Chr04	44802374	(G/A)
7400	CakSNP7400	<i>Kabuli</i>	Ca_Kabuli_Chr04	44802364	(A/C)
7401	CakSNP7401	<i>Kabuli</i>	Ca_Kabuli_Chr04	44803694	(T/A)
7402	CakSNP7402	<i>Kabuli</i>	Ca_Kabuli_Chr04	44811519	(G/A)
7403	CakSNP7403	<i>Kabuli</i>	Ca_Kabuli_Chr04	44814857	(A/G)
7404	CakSNP7404	<i>Kabuli</i>	Ca_Kabuli_Chr04	44814981	(T/C)
7405	CakSNP7405	<i>Kabuli</i>	Ca_Kabuli_Chr04	44814982	(A/G)
7406	CakSNP7406	<i>Kabuli</i>	Ca_Kabuli_Chr04	44824103	(G/T)
7407	CakSNP7407	<i>Kabuli</i>	Ca_Kabuli_Chr04	44824105	(T/G)
7408	CakSNP7408	<i>Kabuli</i>	Ca_Kabuli_Chr04	44824178	(C/G)
7409	CakSNP7409	<i>Kabuli</i>	Ca_Kabuli_Chr04	44824258	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7410	CakSNP7410	<i>Kabuli</i>	Ca_Kabuli_Chr04	44832121	(G/C)
7411	CakSNP7411	<i>Kabuli</i>	Ca_Kabuli_Chr04	44832144	(T/C)
7412	CakSNP7412	<i>Kabuli</i>	Ca_Kabuli_Chr04	44906128	(C/A)
7413	CakSNP7413	<i>Kabuli</i>	Ca_Kabuli_Chr04	44906255	(A/G)
7414	CakSNP7414	<i>Kabuli</i>	Ca_Kabuli_Chr04	44979108	(G/A)
7415	CakSNP7415	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019764	(T/C)
7416	CakSNP7416	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019778	(T/C)
7417	CakSNP7417	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019787	(G/C)
7418	CakSNP7418	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019805	(C/A)
7419	CakSNP7419	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019807	(C/T)
7420	CakSNP7420	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019814	(C/A)
7421	CakSNP7421	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019820	(C/T)
7422	CakSNP7422	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019824	(A/C)
7423	CakSNP7423	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019867	(C/G)
7424	CakSNP7424	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019858	(G/T)
7425	CakSNP7425	<i>Kabuli</i>	Ca_Kabuli_Chr04	45019848	(C/T)
7426	CakSNP7426	<i>Kabuli</i>	Ca_Kabuli_Chr04	45035589	(G/T)
7427	CakSNP7427	<i>Kabuli</i>	Ca_Kabuli_Chr04	45035629	(A/C)
7428	CakSNP7428	<i>Kabuli</i>	Ca_Kabuli_Chr04	45035745	(A/G)
7429	CakSNP7429	<i>Kabuli</i>	Ca_Kabuli_Chr04	45067534	(C/T)
7430	CakSNP7430	<i>Kabuli</i>	Ca_Kabuli_Chr04	45104767	(G/A)
7431	CakSNP7431	<i>Kabuli</i>	Ca_Kabuli_Chr04	45104779	(C/A)
7432	CakSNP7432	<i>Kabuli</i>	Ca_Kabuli_Chr04	45104805	(A/G)
7433	CakSNP7433	<i>Kabuli</i>	Ca_Kabuli_Chr04	45141976	(C/A)
7434	CakSNP7434	<i>Kabuli</i>	Ca_Kabuli_Chr04	45141990	(A/G)
7435	CakSNP7435	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142020	(T/C)
7436	CakSNP7436	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142009	(C/T)
7437	CakSNP7437	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142003	(A/G)
7438	CakSNP7438	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142077	(C/A)
7439	CakSNP7439	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142087	(T/A)
7440	CakSNP7440	<i>Kabuli</i>	Ca_Kabuli_Chr04	45142104	(T/C)
7441	CakSNP7441	<i>Kabuli</i>	Ca_Kabuli_Chr04	45165191	(T/C)
7442	CakSNP7442	<i>Kabuli</i>	Ca_Kabuli_Chr04	45165246	(C/G)
7443	CakSNP7443	<i>Kabuli</i>	Ca_Kabuli_Chr04	45165240	(T/C)
7444	CakSNP7444	<i>Kabuli</i>	Ca_Kabuli_Chr04	45165231	(A/C)
7445	CakSNP7445	<i>Kabuli</i>	Ca_Kabuli_Chr04	45206203	(G/T)
7446	CakSNP7446	<i>Kabuli</i>	Ca_Kabuli_Chr04	45206209	(G/C)
7447	CakSNP7447	<i>Kabuli</i>	Ca_Kabuli_Chr04	45220084	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7448	CakSNP7448	<i>Kabuli</i>	Ca_Kabuli_Chr04	45220642	(C/T)
7449	CakSNP7449	<i>Kabuli</i>	Ca_Kabuli_Chr04	45220916	(T/C)
7450	CakSNP7450	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225063	(T/C)
7451	CakSNP7451	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225059	(G/A)
7452	CakSNP7452	<i>Kabuli</i>	Ca_Kabuli_Chr04	45224997	(G/C)
7453	CakSNP7453	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225077	(A/T)
7454	CakSNP7454	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225093	(G/A)
7455	CakSNP7455	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225145	(T/A)
7456	CakSNP7456	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225154	(T/A)
7457	CakSNP7457	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225155	(C/A)
7458	CakSNP7458	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225210	(G/T)
7459	CakSNP7459	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225193	(A/G)
7460	CakSNP7460	<i>Kabuli</i>	Ca_Kabuli_Chr04	45225165	(T/C)
7461	CakSNP7461	<i>Kabuli</i>	Ca_Kabuli_Chr04	45231839	(T/C)
7462	CakSNP7462	<i>Kabuli</i>	Ca_Kabuli_Chr04	45231867	(A/T)
7463	CakSNP7463	<i>Kabuli</i>	Ca_Kabuli_Chr04	45231868	(C/A)
7464	CakSNP7464	<i>Kabuli</i>	Ca_Kabuli_Chr04	45231893	(G/T)
7465	CakSNP7465	<i>Kabuli</i>	Ca_Kabuli_Chr04	45292852	(G/T)
7466	CakSNP7466	<i>Kabuli</i>	Ca_Kabuli_Chr04	45292918	(T/G)
7467	CakSNP7467	<i>Kabuli</i>	Ca_Kabuli_Chr04	45292981	(G/T)
7468	CakSNP7468	<i>Kabuli</i>	Ca_Kabuli_Chr04	45292969	(T/A)
7469	CakSNP7469	<i>Kabuli</i>	Ca_Kabuli_Chr04	45292960	(A/T)
7470	CakSNP7470	<i>Kabuli</i>	Ca_Kabuli_Chr04	45552675	(C/A)
7471	CakSNP7471	<i>Kabuli</i>	Ca_Kabuli_Chr04	45595233	(G/A)
7472	CakSNP7472	<i>Kabuli</i>	Ca_Kabuli_Chr04	45612178	(T/G)
7473	CakSNP7473	<i>Kabuli</i>	Ca_Kabuli_Chr04	45615465	(C/T)
7474	CakSNP7474	<i>Kabuli</i>	Ca_Kabuli_Chr04	45615457	(C/T)
7475	CakSNP7475	<i>Kabuli</i>	Ca_Kabuli_Chr04	45615452	(A/C)
7476	CakSNP7476	<i>Kabuli</i>	Ca_Kabuli_Chr04	45615401	(T/G)
7477	CakSNP7477	<i>Kabuli</i>	Ca_Kabuli_Chr04	45646003	(A/G)
7478	CakSNP7478	<i>Kabuli</i>	Ca_Kabuli_Chr04	45645996	(A/G)
7479	CakSNP7479	<i>Kabuli</i>	Ca_Kabuli_Chr04	45645957	(A/C)
7480	CakSNP7480	<i>Kabuli</i>	Ca_Kabuli_Chr04	45708895	(C/A)
7481	CakSNP7481	<i>Kabuli</i>	Ca_Kabuli_Chr04	45735754	(G/C)
7482	CakSNP7482	<i>Kabuli</i>	Ca_Kabuli_Chr04	45735819	(T/C)
7483	CakSNP7483	<i>Kabuli</i>	Ca_Kabuli_Chr04	45751623	(G/A)
7484	CakSNP7484	<i>Kabuli</i>	Ca_Kabuli_Chr04	45751618	(C/T)
7485	CakSNP7485	<i>Kabuli</i>	Ca_Kabuli_Chr04	45752844	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7486	CakSNP7486	<i>Kabuli</i>	Ca_Kabuli_Chr04	45752869	(G/T)
7487	CakSNP7487	<i>Kabuli</i>	Ca_Kabuli_Chr04	45752874	(A/T)
7488	CakSNP7488	<i>Kabuli</i>	Ca_Kabuli_Chr04	45782453	(A/T)
7489	CakSNP7489	<i>Kabuli</i>	Ca_Kabuli_Chr04	45870087	(T/C)
7490	CakSNP7490	<i>Kabuli</i>	Ca_Kabuli_Chr04	45870042	(C/T)
7491	CakSNP7491	<i>Kabuli</i>	Ca_Kabuli_Chr04	45918351	(A/C)
7492	CakSNP7492	<i>Kabuli</i>	Ca_Kabuli_Chr04	45935594	(A/C)
7493	CakSNP7493	<i>Kabuli</i>	Ca_Kabuli_Chr04	45942252	(G/A)
7494	CakSNP7494	<i>Kabuli</i>	Ca_Kabuli_Chr04	45942341	(T/C)
7495	CakSNP7495	<i>Kabuli</i>	Ca_Kabuli_Chr04	45942729	(G/A)
7496	CakSNP7496	<i>Kabuli</i>	Ca_Kabuli_Chr04	46134302	(C/G)
7497	CakSNP7497	<i>Kabuli</i>	Ca_Kabuli_Chr04	46140729	(A/T)
7498	CakSNP7498	<i>Kabuli</i>	Ca_Kabuli_Chr04	46148985	(A/T)
7499	CakSNP7499	<i>Kabuli</i>	Ca_Kabuli_Chr04	46149013	(A/G)
7500	CakSNP7500	<i>Kabuli</i>	Ca_Kabuli_Chr04	46150670	(T/C)
7501	CakSNP7501	<i>Kabuli</i>	Ca_Kabuli_Chr04	46202862	(A/G)
7502	CakSNP7502	<i>Kabuli</i>	Ca_Kabuli_Chr04	46344790	(G/A)
7503	CakSNP7503	<i>Kabuli</i>	Ca_Kabuli_Chr04	46344826	(A/G)
7504	CakSNP7504	<i>Kabuli</i>	Ca_Kabuli_Chr04	46345042	(A/G)
7505	CakSNP7505	<i>Kabuli</i>	Ca_Kabuli_Chr04	46402035	(G/A)
7506	CakSNP7506	<i>Kabuli</i>	Ca_Kabuli_Chr04	46430326	(C/T)
7507	CakSNP7507	<i>Kabuli</i>	Ca_Kabuli_Chr04	46430311	(C/A)
7508	CakSNP7508	<i>Kabuli</i>	Ca_Kabuli_Chr04	46430288	(G/C)
7509	CakSNP7509	<i>Kabuli</i>	Ca_Kabuli_Chr04	46605167	(A/G)
7510	CakSNP7510	<i>Kabuli</i>	Ca_Kabuli_Chr04	46605131	(T/A)
7511	CakSNP7511	<i>Kabuli</i>	Ca_Kabuli_Chr04	46612175	(G/A)
7512	CakSNP7512	<i>Kabuli</i>	Ca_Kabuli_Chr04	46612197	(G/A)
7513	CakSNP7513	<i>Kabuli</i>	Ca_Kabuli_Chr04	46612244	(C/T)
7514	CakSNP7514	<i>Kabuli</i>	Ca_Kabuli_Chr04	46613068	(T/G)
7515	CakSNP7515	<i>Kabuli</i>	Ca_Kabuli_Chr04	46694919	(T/A)
7516	CakSNP7516	<i>Kabuli</i>	Ca_Kabuli_Chr04	46695043	(A/C)
7517	CakSNP7517	<i>Kabuli</i>	Ca_Kabuli_Chr04	46695008	(T/C)
7518	CakSNP7518	<i>Kabuli</i>	Ca_Kabuli_Chr04	46705181	(G/T)
7519	CakSNP7519	<i>Kabuli</i>	Ca_Kabuli_Chr04	46705178	(A/T)
7520	CakSNP7520	<i>Kabuli</i>	Ca_Kabuli_Chr04	46705225	(A/C)
7521	CakSNP7521	<i>Kabuli</i>	Ca_Kabuli_Chr04	46713972	(C/T)
7522	CakSNP7522	<i>Kabuli</i>	Ca_Kabuli_Chr04	46715350	(T/C)
7523	CakSNP7523	<i>Kabuli</i>	Ca_Kabuli_Chr04	46715518	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7524	CakSNP7524	<i>Kabuli</i>	Ca_Kabuli_Chr04	46717155	(T/C)
7525	CakSNP7525	<i>Kabuli</i>	Ca_Kabuli_Chr04	46717153	(C/T)
7526	CakSNP7526	<i>Kabuli</i>	Ca_Kabuli_Chr04	46717200	(C/T)
7527	CakSNP7527	<i>Kabuli</i>	Ca_Kabuli_Chr04	46717508	(G/A)
7528	CakSNP7528	<i>Kabuli</i>	Ca_Kabuli_Chr04	46763540	(C/T)
7529	CakSNP7529	<i>Kabuli</i>	Ca_Kabuli_Chr04	46763555	(C/T)
7530	CakSNP7530	<i>Kabuli</i>	Ca_Kabuli_Chr04	46763868	(T/C)
7531	CakSNP7531	<i>Kabuli</i>	Ca_Kabuli_Chr04	46763841	(A/C)
7532	CakSNP7532	<i>Kabuli</i>	Ca_Kabuli_Chr04	47223016	(T/C)
7533	CakSNP7533	<i>Kabuli</i>	Ca_Kabuli_Chr04	47223047	(A/G)
7534	CakSNP7534	<i>Kabuli</i>	Ca_Kabuli_Chr04	47223635	(G/A)
7535	CakSNP7535	<i>Kabuli</i>	Ca_Kabuli_Chr04	47223668	(T/G)
7536	CakSNP7536	<i>Kabuli</i>	Ca_Kabuli_Chr04	47296400	(C/T)
7537	CakSNP7537	<i>Kabuli</i>	Ca_Kabuli_Chr04	47379992	(C/T)
7538	CakSNP7538	<i>Kabuli</i>	Ca_Kabuli_Chr04	47405685	(T/A)
7539	CakSNP7539	<i>Kabuli</i>	Ca_Kabuli_Chr04	47419514	(A/G)
7540	CakSNP7540	<i>Kabuli</i>	Ca_Kabuli_Chr04	47419517	(C/T)
7541	CakSNP7541	<i>Kabuli</i>	Ca_Kabuli_Chr04	47428580	(C/T)
7542	CakSNP7542	<i>Kabuli</i>	Ca_Kabuli_Chr04	47428599	(C/T)
7543	CakSNP7543	<i>Kabuli</i>	Ca_Kabuli_Chr04	47428631	(A/G)
7544	CakSNP7544	<i>Kabuli</i>	Ca_Kabuli_Chr04	47428733	(A/G)
7545	CakSNP7545	<i>Kabuli</i>	Ca_Kabuli_Chr04	47440207	(G/A)
7546	CakSNP7546	<i>Kabuli</i>	Ca_Kabuli_Chr04	47450409	(C/T)
7547	CakSNP7547	<i>Kabuli</i>	Ca_Kabuli_Chr04	47450479	(C/G)
7548	CakSNP7548	<i>Kabuli</i>	Ca_Kabuli_Chr04	47562991	(A/T)
7549	CakSNP7549	<i>Kabuli</i>	Ca_Kabuli_Chr04	47572228	(G/A)
7550	CakSNP7550	<i>Kabuli</i>	Ca_Kabuli_Chr04	47572276	(C/T)
7551	CakSNP7551	<i>Kabuli</i>	Ca_Kabuli_Chr04	47578508	(C/T)
7552	CakSNP7552	<i>Kabuli</i>	Ca_Kabuli_Chr04	47578556	(T/G)
7553	CakSNP7553	<i>Kabuli</i>	Ca_Kabuli_Chr04	47578655	(C/T)
7554	CakSNP7554	<i>Kabuli</i>	Ca_Kabuli_Chr04	47578596	(C/T)
7555	CakSNP7555	<i>Kabuli</i>	Ca_Kabuli_Chr04	47588760	(G/A)
7556	CakSNP7556	<i>Kabuli</i>	Ca_Kabuli_Chr04	47612395	(C/A)
7557	CakSNP7557	<i>Kabuli</i>	Ca_Kabuli_Chr04	47612396	(G/T)
7558	CakSNP7558	<i>Kabuli</i>	Ca_Kabuli_Chr04	47615800	(G/C)
7559	CakSNP7559	<i>Kabuli</i>	Ca_Kabuli_Chr04	47616120	(C/T)
7560	CakSNP7560	<i>Kabuli</i>	Ca_Kabuli_Chr04	47616216	(A/G)
7561	CakSNP7561	<i>Kabuli</i>	Ca_Kabuli_Chr04	47622112	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7562	CakSNP7562	<i>Kabuli</i>	Ca_Kabuli_Chr04	47675446	(A/G)
7563	CakSNP7563	<i>Kabuli</i>	Ca_Kabuli_Chr04	47675758	(A/T)
7564	CakSNP7564	<i>Kabuli</i>	Ca_Kabuli_Chr04	47675860	(G/A)
7565	CakSNP7565	<i>Kabuli</i>	Ca_Kabuli_Chr04	47697239	(C/T)
7566	CakSNP7566	<i>Kabuli</i>	Ca_Kabuli_Chr04	47798580	(A/G)
7567	CakSNP7567	<i>Kabuli</i>	Ca_Kabuli_Chr04	47798622	(G/A)
7568	CakSNP7568	<i>Kabuli</i>	Ca_Kabuli_Chr04	47819943	(T/C)
7569	CakSNP7569	<i>Kabuli</i>	Ca_Kabuli_Chr04	48008987	(T/C)
7570	CakSNP7570	<i>Kabuli</i>	Ca_Kabuli_Chr04	48009201	(C/T)
7571	CakSNP7571	<i>Kabuli</i>	Ca_Kabuli_Chr04	48011446	(A/G)
7572	CakSNP7572	<i>Kabuli</i>	Ca_Kabuli_Chr04	48098570	(G/A)
7573	CakSNP7573	<i>Kabuli</i>	Ca_Kabuli_Chr04	48098562	(G/A)
7574	CakSNP7574	<i>Kabuli</i>	Ca_Kabuli_Chr04	48103202	(G/T)
7575	CakSNP7575	<i>Kabuli</i>	Ca_Kabuli_Chr04	48103196	(G/A)
7576	CakSNP7576	<i>Kabuli</i>	Ca_Kabuli_Chr04	48103159	(G/A)
7577	CakSNP7577	<i>Kabuli</i>	Ca_Kabuli_Chr04	48103153	(A/C)
7578	CakSNP7578	<i>Kabuli</i>	Ca_Kabuli_Chr04	48150277	(C/T)
7579	CakSNP7579	<i>Kabuli</i>	Ca_Kabuli_Chr04	48150481	(T/C)
7580	CakSNP7580	<i>Kabuli</i>	Ca_Kabuli_Chr04	48150480	(C/A)
7581	CakSNP7581	<i>Kabuli</i>	Ca_Kabuli_Chr04	48150553	(A/G)
7582	CakSNP7582	<i>Kabuli</i>	Ca_Kabuli_Chr04	48150641	(G/T)
7583	CakSNP7583	<i>Kabuli</i>	Ca_Kabuli_Chr04	48238919	(C/T)
7584	CakSNP7584	<i>Kabuli</i>	Ca_Kabuli_Chr04	48239048	(A/G)
7585	CakSNP7585	<i>Kabuli</i>	Ca_Kabuli_Chr04	48263603	(G/A)
7586	CakSNP7586	<i>Kabuli</i>	Ca_Kabuli_Chr04	48269138	(G/C)
7587	CakSNP7587	<i>Kabuli</i>	Ca_Kabuli_Chr04	48275016	(C/T)
7588	CakSNP7588	<i>Kabuli</i>	Ca_Kabuli_Chr04	48322502	(C/T)
7589	CakSNP7589	<i>Kabuli</i>	Ca_Kabuli_Chr04	48322507	(C/T)
7590	CakSNP7590	<i>Kabuli</i>	Ca_Kabuli_Chr04	48322633	(T/C)
7591	CakSNP7591	<i>Kabuli</i>	Ca_Kabuli_Chr04	48331069	(C/A)
7592	CakSNP7592	<i>Kabuli</i>	Ca_Kabuli_Chr04	48345604	(A/G)
7593	CakSNP7593	<i>Kabuli</i>	Ca_Kabuli_Chr04	48345608	(G/T)
7594	CakSNP7594	<i>Kabuli</i>	Ca_Kabuli_Chr04	48345655	(A/C)
7595	CakSNP7595	<i>Kabuli</i>	Ca_Kabuli_Chr04	48345697	(C/G)
7596	CakSNP7596	<i>Kabuli</i>	Ca_Kabuli_Chr04	48355358	(A/T)
7597	CakSNP7597	<i>Kabuli</i>	Ca_Kabuli_Chr04	48355468	(G/T)
7598	CakSNP7598	<i>Kabuli</i>	Ca_Kabuli_Chr04	48364170	(G/A)
7599	CakSNP7599	<i>Kabuli</i>	Ca_Kabuli_Chr04	48365208	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7600	CakSNP7600	<i>Kabuli</i>	Ca_Kabuli_Chr04	48365388	(G/A)
7601	CakSNP7601	<i>Kabuli</i>	Ca_Kabuli_Chr04	48382666	(G/C)
7602	CakSNP7602	<i>Kabuli</i>	Ca_Kabuli_Chr04	48464493	(T/C)
7603	CakSNP7603	<i>Kabuli</i>	Ca_Kabuli_Chr04	48464434	(G/C)
7604	CakSNP7604	<i>Kabuli</i>	Ca_Kabuli_Chr04	48470477	(A/G)
7605	CakSNP7605	<i>Kabuli</i>	Ca_Kabuli_Chr04	48475447	(T/C)
7606	CakSNP7606	<i>Kabuli</i>	Ca_Kabuli_Chr04	48475461	(G/A)
7607	CakSNP7607	<i>Kabuli</i>	Ca_Kabuli_Chr04	48478018	(A/G)
7608	CakSNP7608	<i>Kabuli</i>	Ca_Kabuli_Chr04	48478058	(T/C)
7609	CakSNP7609	<i>Kabuli</i>	Ca_Kabuli_Chr04	48478303	(G/A)
7610	CakSNP7610	<i>Kabuli</i>	Ca_Kabuli_Chr04	48478524	(C/T)
7611	CakSNP7611	<i>Kabuli</i>	Ca_Kabuli_Chr04	48484453	(A/T)
7612	CakSNP7612	<i>Kabuli</i>	Ca_Kabuli_Chr04	48497731	(A/C)
7613	CakSNP7613	<i>Kabuli</i>	Ca_Kabuli_Chr04	48497725	(A/C)
7614	CakSNP7614	<i>Kabuli</i>	Ca_Kabuli_Chr04	48497756	(A/G)
7615	CakSNP7615	<i>Kabuli</i>	Ca_Kabuli_Chr04	48497765	(G/A)
7616	CakSNP7616	<i>Kabuli</i>	Ca_Kabuli_Chr04	48497839	(G/A)
7617	CakSNP7617	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498133	(C/T)
7618	CakSNP7618	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498181	(G/C)
7619	CakSNP7619	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498166	(A/G)
7620	CakSNP7620	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498368	(C/T)
7621	CakSNP7621	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498334	(T/G)
7622	CakSNP7622	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498331	(T/A)
7623	CakSNP7623	<i>Kabuli</i>	Ca_Kabuli_Chr04	48498312	(T/C)
7624	CakSNP7624	<i>Kabuli</i>	Ca_Kabuli_Chr04	48501567	(G/T)
7625	CakSNP7625	<i>Kabuli</i>	Ca_Kabuli_Chr04	48501618	(C/A)
7626	CakSNP7626	<i>Kabuli</i>	Ca_Kabuli_Chr04	48501662	(A/T)
7627	CakSNP7627	<i>Kabuli</i>	Ca_Kabuli_Chr04	48502554	(G/T)
7628	CakSNP7628	<i>Kabuli</i>	Ca_Kabuli_Chr04	48502718	(G/C)
7629	CakSNP7629	<i>Kabuli</i>	Ca_Kabuli_Chr04	48502714	(T/C)
7630	CakSNP7630	<i>Kabuli</i>	Ca_Kabuli_Chr04	48502687	(G/A)
7631	CakSNP7631	<i>Kabuli</i>	Ca_Kabuli_Chr04	48591482	(T/G)
7632	CakSNP7632	<i>Kabuli</i>	Ca_Kabuli_Chr04	48591539	(T/C)
7633	CakSNP7633	<i>Kabuli</i>	Ca_Kabuli_Chr04	48591578	(T/C)
7634	CakSNP7634	<i>Kabuli</i>	Ca_Kabuli_Chr04	48591625	(G/T)
7635	CakSNP7635	<i>Kabuli</i>	Ca_Kabuli_Chr04	48678278	(T/C)
7636	CakSNP7636	<i>Kabuli</i>	Ca_Kabuli_Chr04	48678692	(T/C)
7637	CakSNP7637	<i>Kabuli</i>	Ca_Kabuli_Chr04	48688766	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7638	CakSNP7638	<i>Kabuli</i>	Ca_Kabuli_Chr04	48705815	(C/T)
7639	CakSNP7639	<i>Kabuli</i>	Ca_Kabuli_Chr04	48705856	(A/T)
7640	CakSNP7640	<i>Kabuli</i>	Ca_Kabuli_Chr04	48705957	(C/T)
7641	CakSNP7641	<i>Kabuli</i>	Ca_Kabuli_Chr04	48714912	(G/A)
7642	CakSNP7642	<i>Kabuli</i>	Ca_Kabuli_Chr04	48715028	(A/G)
7643	CakSNP7643	<i>Kabuli</i>	Ca_Kabuli_Chr04	48720330	(C/T)
7644	CakSNP7644	<i>Kabuli</i>	Ca_Kabuli_Chr04	48720266	(C/T)
7645	CakSNP7645	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784151	(T/G)
7646	CakSNP7646	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784176	(T/C)
7647	CakSNP7647	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784178	(C/G)
7648	CakSNP7648	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784179	(G/A)
7649	CakSNP7649	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784189	(A/T)
7650	CakSNP7650	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784202	(A/C)
7651	CakSNP7651	<i>Kabuli</i>	Ca_Kabuli_Chr04	48784204	(G/C)
7652	CakSNP7652	<i>Kabuli</i>	Ca_Kabuli_Chr04	48931112	(T/G)
7653	CakSNP7653	<i>Kabuli</i>	Ca_Kabuli_Chr04	48931109	(A/G)
7654	CakSNP7654	<i>Kabuli</i>	Ca_Kabuli_Chr04	48936643	(G/A)
7655	CakSNP7655	<i>Kabuli</i>	Ca_Kabuli_Chr04	48936669	(G/A)
7656	CakSNP7656	<i>Kabuli</i>	Ca_Kabuli_Chr04	48936710	(A/G)
7657	CakSNP7657	<i>Kabuli</i>	Ca_Kabuli_Chr04	48936819	(C/T)
7658	CakSNP7658	<i>Kabuli</i>	Ca_Kabuli_Chr04	48964200	(T/C)
7659	CakSNP7659	<i>Kabuli</i>	Ca_Kabuli_Chr04	48964260	(G/C)
7660	CakSNP7660	<i>Kabuli</i>	Ca_Kabuli_Chr04	48964248	(C/T)
7661	CakSNP7661	<i>Kabuli</i>	Ca_Kabuli_Chr04	49012733	(T/A)
7662	CakSNP7662	<i>Kabuli</i>	Ca_Kabuli_Chr04	49012756	(C/T)
7663	CakSNP7663	<i>Kabuli</i>	Ca_Kabuli_Chr05	95087	(G/A)
7664	CakSNP7664	<i>Kabuli</i>	Ca_Kabuli_Chr05	95253	(A/G)
7665	CakSNP7665	<i>Kabuli</i>	Ca_Kabuli_Chr05	131558	(A/C)
7666	CakSNP7666	<i>Kabuli</i>	Ca_Kabuli_Chr05	154084	(T/G)
7667	CakSNP7667	<i>Kabuli</i>	Ca_Kabuli_Chr05	154095	(C/G)
7668	CakSNP7668	<i>Kabuli</i>	Ca_Kabuli_Chr05	154097	(A/T)
7669	CakSNP7669	<i>Kabuli</i>	Ca_Kabuli_Chr05	154162	(C/T)
7670	CakSNP7670	<i>Kabuli</i>	Ca_Kabuli_Chr05	154128	(G/T)
7671	CakSNP7671	<i>Kabuli</i>	Ca_Kabuli_Chr05	166222	(T/G)
7672	CakSNP7672	<i>Kabuli</i>	Ca_Kabuli_Chr05	166217	(G/C)
7673	CakSNP7673	<i>Kabuli</i>	Ca_Kabuli_Chr05	166216	(T/G)
7674	CakSNP7674	<i>Kabuli</i>	Ca_Kabuli_Chr05	166341	(C/A)
7675	CakSNP7675	<i>Kabuli</i>	Ca_Kabuli_Chr05	166381	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7676	CakSNP7676	<i>Kabuli</i>	Ca_Kabuli_Chr05	210625	(T/C)
7677	CakSNP7677	<i>Kabuli</i>	Ca_Kabuli_Chr05	210649	(C/A)
7678	CakSNP7678	<i>Kabuli</i>	Ca_Kabuli_Chr05	222651	(A/C)
7679	CakSNP7679	<i>Kabuli</i>	Ca_Kabuli_Chr05	222630	(A/G)
7680	CakSNP7680	<i>Kabuli</i>	Ca_Kabuli_Chr05	222641	(C/T)
7681	CakSNP7681	<i>Kabuli</i>	Ca_Kabuli_Chr05	222653	(A/C)
7682	CakSNP7682	<i>Kabuli</i>	Ca_Kabuli_Chr05	222657	(G/A)
7683	CakSNP7683	<i>Kabuli</i>	Ca_Kabuli_Chr05	223384	(C/G)
7684	CakSNP7684	<i>Kabuli</i>	Ca_Kabuli_Chr05	234247	(T/C)
7685	CakSNP7685	<i>Kabuli</i>	Ca_Kabuli_Chr05	234319	(T/A)
7686	CakSNP7686	<i>Kabuli</i>	Ca_Kabuli_Chr05	234311	(T/A)
7687	CakSNP7687	<i>Kabuli</i>	Ca_Kabuli_Chr05	234310	(G/A)
7688	CakSNP7688	<i>Kabuli</i>	Ca_Kabuli_Chr05	234305	(T/A)
7689	CakSNP7689	<i>Kabuli</i>	Ca_Kabuli_Chr05	234303	(C/A)
7690	CakSNP7690	<i>Kabuli</i>	Ca_Kabuli_Chr05	234410	(A/C)
7691	CakSNP7691	<i>Kabuli</i>	Ca_Kabuli_Chr05	245850	(T/G)
7692	CakSNP7692	<i>Kabuli</i>	Ca_Kabuli_Chr05	245863	(A/T)
7693	CakSNP7693	<i>Kabuli</i>	Ca_Kabuli_Chr05	245896	(A/T)
7694	CakSNP7694	<i>Kabuli</i>	Ca_Kabuli_Chr05	246466	(A/T)
7695	CakSNP7695	<i>Kabuli</i>	Ca_Kabuli_Chr05	246654	(A/G)
7696	CakSNP7696	<i>Kabuli</i>	Ca_Kabuli_Chr05	256745	(G/A)
7697	CakSNP7697	<i>Kabuli</i>	Ca_Kabuli_Chr05	272972	(T/A)
7698	CakSNP7698	<i>Kabuli</i>	Ca_Kabuli_Chr05	277040	(G/A)
7699	CakSNP7699	<i>Kabuli</i>	Ca_Kabuli_Chr05	277316	(T/A)
7700	CakSNP7700	<i>Kabuli</i>	Ca_Kabuli_Chr05	343517	(C/T)
7701	CakSNP7701	<i>Kabuli</i>	Ca_Kabuli_Chr05	353792	(T/A)
7702	CakSNP7702	<i>Kabuli</i>	Ca_Kabuli_Chr05	438448	(C/A)
7703	CakSNP7703	<i>Kabuli</i>	Ca_Kabuli_Chr05	438445	(C/A)
7704	CakSNP7704	<i>Kabuli</i>	Ca_Kabuli_Chr05	438442	(T/C)
7705	CakSNP7705	<i>Kabuli</i>	Ca_Kabuli_Chr05	443309	(A/T)
7706	CakSNP7706	<i>Kabuli</i>	Ca_Kabuli_Chr05	469397	(G/A)
7707	CakSNP7707	<i>Kabuli</i>	Ca_Kabuli_Chr05	805859	(C/T)
7708	CakSNP7708	<i>Kabuli</i>	Ca_Kabuli_Chr05	805882	(A/T)
7709	CakSNP7709	<i>Kabuli</i>	Ca_Kabuli_Chr05	805883	(G/T)
7710	CakSNP7710	<i>Kabuli</i>	Ca_Kabuli_Chr05	805910	(G/A)
7711	CakSNP7711	<i>Kabuli</i>	Ca_Kabuli_Chr05	870867	(A/G)
7712	CakSNP7712	<i>Kabuli</i>	Ca_Kabuli_Chr05	870909	(G/A)
7713	CakSNP7713	<i>Kabuli</i>	Ca_Kabuli_Chr05	925554	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7714	CakSNP7714	<i>Kabuli</i>	Ca_Kabuli_Chr05	925493	(T/C)
7715	CakSNP7715	<i>Kabuli</i>	Ca_Kabuli_Chr05	1141755	(C/T)
7716	CakSNP7716	<i>Kabuli</i>	Ca_Kabuli_Chr05	1220867	(A/G)
7717	CakSNP7717	<i>Kabuli</i>	Ca_Kabuli_Chr05	1252394	(G/A)
7718	CakSNP7718	<i>Kabuli</i>	Ca_Kabuli_Chr05	1252388	(A/T)
7719	CakSNP7719	<i>Kabuli</i>	Ca_Kabuli_Chr05	1270830	(T/C)
7720	CakSNP7720	<i>Kabuli</i>	Ca_Kabuli_Chr05	1272581	(T/C)
7721	CakSNP7721	<i>Kabuli</i>	Ca_Kabuli_Chr05	1280977	(T/G)
7722	CakSNP7722	<i>Kabuli</i>	Ca_Kabuli_Chr05	1281006	(A/C)
7723	CakSNP7723	<i>Kabuli</i>	Ca_Kabuli_Chr05	1281017	(G/A)
7724	CakSNP7724	<i>Kabuli</i>	Ca_Kabuli_Chr05	1281021	(C/T)
7725	CakSNP7725	<i>Kabuli</i>	Ca_Kabuli_Chr05	1534904	(C/T)
7726	CakSNP7726	<i>Kabuli</i>	Ca_Kabuli_Chr05	1534901	(C/T)
7727	CakSNP7727	<i>Kabuli</i>	Ca_Kabuli_Chr05	1534888	(T/C)
7728	CakSNP7728	<i>Kabuli</i>	Ca_Kabuli_Chr05	2166586	(A/G)
7729	CakSNP7729	<i>Kabuli</i>	Ca_Kabuli_Chr05	2519977	(C/T)
7730	CakSNP7730	<i>Kabuli</i>	Ca_Kabuli_Chr05	2519949	(C/T)
7731	CakSNP7731	<i>Kabuli</i>	Ca_Kabuli_Chr05	2519961	(G/A)
7732	CakSNP7732	<i>Kabuli</i>	Ca_Kabuli_Chr05	2519976	(G/A)
7733	CakSNP7733	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520035	(G/A)
7734	CakSNP7734	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520058	(C/T)
7735	CakSNP7735	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520015	(C/G)
7736	CakSNP7736	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520049	(C/T)
7737	CakSNP7737	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520050	(G/C)
7738	CakSNP7738	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520051	(G/T)
7739	CakSNP7739	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520055	(C/T)
7740	CakSNP7740	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520068	(T/A)
7741	CakSNP7741	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520069	(C/T)
7742	CakSNP7742	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520094	(G/A)
7743	CakSNP7743	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520061	(C/T)
7744	CakSNP7744	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520093	(G/A)
7745	CakSNP7745	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520123	(A/G)
7746	CakSNP7746	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520114	(G/A)
7747	CakSNP7747	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520109	(G/A)
7748	CakSNP7748	<i>Kabuli</i>	Ca_Kabuli_Chr05	2520101	(C/T)
7749	CakSNP7749	<i>Kabuli</i>	Ca_Kabuli_Chr05	2613423	(T/G)
7750	CakSNP7750	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948530	(G/T)
7751	CakSNP7751	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948531	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7752	CakSNP7752	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948549	(C/A)
7753	CakSNP7753	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948592	(T/C)
7754	CakSNP7754	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948596	(C/T)
7755	CakSNP7755	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948616	(G/A)
7756	CakSNP7756	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948698	(G/A)
7757	CakSNP7757	<i>Kabuli</i>	Ca_Kabuli_Chr05	2948977	(G/A)
7758	CakSNP7758	<i>Kabuli</i>	Ca_Kabuli_Chr05	3007213	(A/G)
7759	CakSNP7759	<i>Kabuli</i>	Ca_Kabuli_Chr05	3007316	(T/C)
7760	CakSNP7760	<i>Kabuli</i>	Ca_Kabuli_Chr05	3040264	(G/T)
7761	CakSNP7761	<i>Kabuli</i>	Ca_Kabuli_Chr05	3040948	(G/C)
7762	CakSNP7762	<i>Kabuli</i>	Ca_Kabuli_Chr05	3159061	(G/A)
7763	CakSNP7763	<i>Kabuli</i>	Ca_Kabuli_Chr05	3348291	(G/A)
7764	CakSNP7764	<i>Kabuli</i>	Ca_Kabuli_Chr05	3348310	(A/G)
7765	CakSNP7765	<i>Kabuli</i>	Ca_Kabuli_Chr05	3348366	(G/C)
7766	CakSNP7766	<i>Kabuli</i>	Ca_Kabuli_Chr05	3353052	(A/G)
7767	CakSNP7767	<i>Kabuli</i>	Ca_Kabuli_Chr05	4122395	(T/C)
7768	CakSNP7768	<i>Kabuli</i>	Ca_Kabuli_Chr05	4122342	(T/C)
7769	CakSNP7769	<i>Kabuli</i>	Ca_Kabuli_Chr05	5133644	(A/G)
7770	CakSNP7770	<i>Kabuli</i>	Ca_Kabuli_Chr05	5205261	(T/G)
7771	CakSNP7771	<i>Kabuli</i>	Ca_Kabuli_Chr05	5404261	(G/A)
7772	CakSNP7772	<i>Kabuli</i>	Ca_Kabuli_Chr05	6190494	(T/C)
7773	CakSNP7773	<i>Kabuli</i>	Ca_Kabuli_Chr05	6225426	(T/A)
7774	CakSNP7774	<i>Kabuli</i>	Ca_Kabuli_Chr05	6225415	(G/C)
7775	CakSNP7775	<i>Kabuli</i>	Ca_Kabuli_Chr05	6225410	(T/A)
7776	CakSNP7776	<i>Kabuli</i>	Ca_Kabuli_Chr05	6290453	(G/A)
7777	CakSNP7777	<i>Kabuli</i>	Ca_Kabuli_Chr05	6300337	(C/A)
7778	CakSNP7778	<i>Kabuli</i>	Ca_Kabuli_Chr05	6300360	(C/A)
7779	CakSNP7779	<i>Kabuli</i>	Ca_Kabuli_Chr05	6300502	(C/A)
7780	CakSNP7780	<i>Kabuli</i>	Ca_Kabuli_Chr05	6316787	(C/T)
7781	CakSNP7781	<i>Kabuli</i>	Ca_Kabuli_Chr05	6317014	(C/T)
7782	CakSNP7782	<i>Kabuli</i>	Ca_Kabuli_Chr05	6931865	(A/G)
7783	CakSNP7783	<i>Kabuli</i>	Ca_Kabuli_Chr05	7082295	(G/A)
7784	CakSNP7784	<i>Kabuli</i>	Ca_Kabuli_Chr05	7082296	(T/G)
7785	CakSNP7785	<i>Kabuli</i>	Ca_Kabuli_Chr05	7082301	(G/T)
7786	CakSNP7786	<i>Kabuli</i>	Ca_Kabuli_Chr05	7278953	(C/T)
7787	CakSNP7787	<i>Kabuli</i>	Ca_Kabuli_Chr05	7398246	(A/C)
7788	CakSNP7788	<i>Kabuli</i>	Ca_Kabuli_Chr05	7425116	(C/T)
7789	CakSNP7789	<i>Kabuli</i>	Ca_Kabuli_Chr05	7617914	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7790	CakSNP7790	<i>Kabuli</i>	Ca_Kabuli_Chr05	7628097	(C/A)
7791	CakSNP7791	<i>Kabuli</i>	Ca_Kabuli_Chr05	7641993	(T/C)
7792	CakSNP7792	<i>Kabuli</i>	Ca_Kabuli_Chr05	7641925	(G/T)
7793	CakSNP7793	<i>Kabuli</i>	Ca_Kabuli_Chr05	7641923	(A/G)
7794	CakSNP7794	<i>Kabuli</i>	Ca_Kabuli_Chr05	7664421	(T/C)
7795	CakSNP7795	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775286	(C/A)
7796	CakSNP7796	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775290	(A/T)
7797	CakSNP7797	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775298	(A/T)
7798	CakSNP7798	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775329	(A/G)
7799	CakSNP7799	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775516	(A/G)
7800	CakSNP7800	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775497	(G/C)
7801	CakSNP7801	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775472	(G/A)
7802	CakSNP7802	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775456	(T/C)
7803	CakSNP7803	<i>Kabuli</i>	Ca_Kabuli_Chr05	7775918	(C/T)
7804	CakSNP7804	<i>Kabuli</i>	Ca_Kabuli_Chr05	7789021	(G/T)
7805	CakSNP7805	<i>Kabuli</i>	Ca_Kabuli_Chr05	7789065	(A/G)
7806	CakSNP7806	<i>Kabuli</i>	Ca_Kabuli_Chr05	7826336	(G/T)
7807	CakSNP7807	<i>Kabuli</i>	Ca_Kabuli_Chr05	7826338	(T/G)
7808	CakSNP7808	<i>Kabuli</i>	Ca_Kabuli_Chr05	7826362	(C/T)
7809	CakSNP7809	<i>Kabuli</i>	Ca_Kabuli_Chr05	7826366	(A/G)
7810	CakSNP7810	<i>Kabuli</i>	Ca_Kabuli_Chr05	7925356	(A/C)
7811	CakSNP7811	<i>Kabuli</i>	Ca_Kabuli_Chr05	8263483	(A/G)
7812	CakSNP7812	<i>Kabuli</i>	Ca_Kabuli_Chr05	8653283	(G/A)
7813	CakSNP7813	<i>Kabuli</i>	Ca_Kabuli_Chr05	8676750	(T/G)
7814	CakSNP7814	<i>Kabuli</i>	Ca_Kabuli_Chr05	8676807	(G/A)
7815	CakSNP7815	<i>Kabuli</i>	Ca_Kabuli_Chr05	8676789	(T/C)
7816	CakSNP7816	<i>Kabuli</i>	Ca_Kabuli_Chr05	8676771	(G/A)
7817	CakSNP7817	<i>Kabuli</i>	Ca_Kabuli_Chr05	8946218	(G/A)
7818	CakSNP7818	<i>Kabuli</i>	Ca_Kabuli_Chr05	9034100	(C/G)
7819	CakSNP7819	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076709	(C/T)
7820	CakSNP7820	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076712	(G/A)
7821	CakSNP7821	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076737	(C/A)
7822	CakSNP7822	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076738	(G/C)
7823	CakSNP7823	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076767	(C/A)
7824	CakSNP7824	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076824	(G/A)
7825	CakSNP7825	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076821	(G/T)
7826	CakSNP7826	<i>Kabuli</i>	Ca_Kabuli_Chr05	9076809	(T/A)
7827	CakSNP7827	<i>Kabuli</i>	Ca_Kabuli_Chr05	9077489	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7828	CakSNP7828	<i>Kabuli</i>	Ca_Kabuli_Chr05	9519382	(C/A)
7829	CakSNP7829	<i>Kabuli</i>	Ca_Kabuli_Chr05	9519390	(G/A)
7830	CakSNP7830	<i>Kabuli</i>	Ca_Kabuli_Chr05	9609055	(T/C)
7831	CakSNP7831	<i>Kabuli</i>	Ca_Kabuli_Chr05	9620998	(A/C)
7832	CakSNP7832	<i>Kabuli</i>	Ca_Kabuli_Chr05	9728498	(A/T)
7833	CakSNP7833	<i>Kabuli</i>	Ca_Kabuli_Chr05	9728609	(T/A)
7834	CakSNP7834	<i>Kabuli</i>	Ca_Kabuli_Chr05	9728591	(A/G)
7835	CakSNP7835	<i>Kabuli</i>	Ca_Kabuli_Chr05	9786213	(C/A)
7836	CakSNP7836	<i>Kabuli</i>	Ca_Kabuli_Chr05	9868796	(T/C)
7837	CakSNP7837	<i>Kabuli</i>	Ca_Kabuli_Chr05	9869005	(T/G)
7838	CakSNP7838	<i>Kabuli</i>	Ca_Kabuli_Chr05	9961273	(T/C)
7839	CakSNP7839	<i>Kabuli</i>	Ca_Kabuli_Chr05	9961396	(T/C)
7840	CakSNP7840	<i>Kabuli</i>	Ca_Kabuli_Chr05	9961380	(C/T)
7841	CakSNP7841	<i>Kabuli</i>	Ca_Kabuli_Chr05	9965880	(G/C)
7842	CakSNP7842	<i>Kabuli</i>	Ca_Kabuli_Chr05	9965890	(T/C)
7843	CakSNP7843	<i>Kabuli</i>	Ca_Kabuli_Chr05	9965913	(A/C)
7844	CakSNP7844	<i>Kabuli</i>	Ca_Kabuli_Chr05	9965848	(T/C)
7845	CakSNP7845	<i>Kabuli</i>	Ca_Kabuli_Chr05	9965846	(A/C)
7846	CakSNP7846	<i>Kabuli</i>	Ca_Kabuli_Chr05	10004386	(G/T)
7847	CakSNP7847	<i>Kabuli</i>	Ca_Kabuli_Chr05	10004427	(T/G)
7848	CakSNP7848	<i>Kabuli</i>	Ca_Kabuli_Chr05	10004430	(T/G)
7849	CakSNP7849	<i>Kabuli</i>	Ca_Kabuli_Chr05	10004451	(T/G)
7850	CakSNP7850	<i>Kabuli</i>	Ca_Kabuli_Chr05	10054140	(G/C)
7851	CakSNP7851	<i>Kabuli</i>	Ca_Kabuli_Chr05	10054146	(A/G)
7852	CakSNP7852	<i>Kabuli</i>	Ca_Kabuli_Chr05	10054266	(T/C)
7853	CakSNP7853	<i>Kabuli</i>	Ca_Kabuli_Chr05	10054213	(A/C)
7854	CakSNP7854	<i>Kabuli</i>	Ca_Kabuli_Chr05	10072358	(G/A)
7855	CakSNP7855	<i>Kabuli</i>	Ca_Kabuli_Chr05	10072403	(G/C)
7856	CakSNP7856	<i>Kabuli</i>	Ca_Kabuli_Chr05	10154016	(A/G)
7857	CakSNP7857	<i>Kabuli</i>	Ca_Kabuli_Chr05	10247223	(T/C)
7858	CakSNP7858	<i>Kabuli</i>	Ca_Kabuli_Chr05	10247224	(T/A)
7859	CakSNP7859	<i>Kabuli</i>	Ca_Kabuli_Chr05	10247233	(C/T)
7860	CakSNP7860	<i>Kabuli</i>	Ca_Kabuli_Chr05	10247244	(C/T)
7861	CakSNP7861	<i>Kabuli</i>	Ca_Kabuli_Chr05	10390882	(C/T)
7862	CakSNP7862	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406562	(C/A)
7863	CakSNP7863	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406602	(C/T)
7864	CakSNP7864	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406613	(C/T)
7865	CakSNP7865	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406636	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7866	CakSNP7866	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406649	(A/C)
7867	CakSNP7867	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406650	(A/G)
7868	CakSNP7868	<i>Kabuli</i>	Ca_Kabuli_Chr05	10406754	(G/T)
7869	CakSNP7869	<i>Kabuli</i>	Ca_Kabuli_Chr05	10510166	(G/A)
7870	CakSNP7870	<i>Kabuli</i>	Ca_Kabuli_Chr05	10544823	(A/G)
7871	CakSNP7871	<i>Kabuli</i>	Ca_Kabuli_Chr05	10546944	(A/T)
7872	CakSNP7872	<i>Kabuli</i>	Ca_Kabuli_Chr05	10675252	(A/G)
7873	CakSNP7873	<i>Kabuli</i>	Ca_Kabuli_Chr05	10675279	(C/G)
7874	CakSNP7874	<i>Kabuli</i>	Ca_Kabuli_Chr05	10675294	(A/G)
7875	CakSNP7875	<i>Kabuli</i>	Ca_Kabuli_Chr05	10769765	(C/T)
7876	CakSNP7876	<i>Kabuli</i>	Ca_Kabuli_Chr05	10832275	(T/C)
7877	CakSNP7877	<i>Kabuli</i>	Ca_Kabuli_Chr05	10858490	(C/T)
7878	CakSNP7878	<i>Kabuli</i>	Ca_Kabuli_Chr05	10918368	(A/G)
7879	CakSNP7879	<i>Kabuli</i>	Ca_Kabuli_Chr05	10919246	(C/G)
7880	CakSNP7880	<i>Kabuli</i>	Ca_Kabuli_Chr05	11230617	(C/G)
7881	CakSNP7881	<i>Kabuli</i>	Ca_Kabuli_Chr05	11230627	(A/G)
7882	CakSNP7882	<i>Kabuli</i>	Ca_Kabuli_Chr05	11230648	(G/A)
7883	CakSNP7883	<i>Kabuli</i>	Ca_Kabuli_Chr05	11230671	(T/C)
7884	CakSNP7884	<i>Kabuli</i>	Ca_Kabuli_Chr05	11263571	(C/G)
7885	CakSNP7885	<i>Kabuli</i>	Ca_Kabuli_Chr05	11263574	(C/A)
7886	CakSNP7886	<i>Kabuli</i>	Ca_Kabuli_Chr05	11317487	(C/T)
7887	CakSNP7887	<i>Kabuli</i>	Ca_Kabuli_Chr05	11317502	(C/A)
7888	CakSNP7888	<i>Kabuli</i>	Ca_Kabuli_Chr05	11317534	(C/A)
7889	CakSNP7889	<i>Kabuli</i>	Ca_Kabuli_Chr05	11385780	(A/C)
7890	CakSNP7890	<i>Kabuli</i>	Ca_Kabuli_Chr05	11385874	(A/G)
7891	CakSNP7891	<i>Kabuli</i>	Ca_Kabuli_Chr05	11765841	(C/T)
7892	CakSNP7892	<i>Kabuli</i>	Ca_Kabuli_Chr05	11777112	(C/T)
7893	CakSNP7893	<i>Kabuli</i>	Ca_Kabuli_Chr05	11807822	(G/T)
7894	CakSNP7894	<i>Kabuli</i>	Ca_Kabuli_Chr05	11807842	(T/C)
7895	CakSNP7895	<i>Kabuli</i>	Ca_Kabuli_Chr05	11845515	(C/T)
7896	CakSNP7896	<i>Kabuli</i>	Ca_Kabuli_Chr05	11853090	(C/T)
7897	CakSNP7897	<i>Kabuli</i>	Ca_Kabuli_Chr05	11864959	(T/C)
7898	CakSNP7898	<i>Kabuli</i>	Ca_Kabuli_Chr05	12044714	(A/G)
7899	CakSNP7899	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157678	(A/G)
7900	CakSNP7900	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157683	(T/C)
7901	CakSNP7901	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157688	(C/T)
7902	CakSNP7902	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157706	(G/A)
7903	CakSNP7903	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157707	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7904	CakSNP7904	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157710	(A/C)
7905	CakSNP7905	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157742	(C/A)
7906	CakSNP7906	<i>Kabuli</i>	Ca_Kabuli_Chr05	12157699	(G/T)
7907	CakSNP7907	<i>Kabuli</i>	Ca_Kabuli_Chr05	12162108	(T/G)
7908	CakSNP7908	<i>Kabuli</i>	Ca_Kabuli_Chr05	12162156	(T/C)
7909	CakSNP7909	<i>Kabuli</i>	Ca_Kabuli_Chr05	12162160	(G/T)
7910	CakSNP7910	<i>Kabuli</i>	Ca_Kabuli_Chr05	12162164	(C/G)
7911	CakSNP7911	<i>Kabuli</i>	Ca_Kabuli_Chr05	12198014	(G/A)
7912	CakSNP7912	<i>Kabuli</i>	Ca_Kabuli_Chr05	12204521	(T/A)
7913	CakSNP7913	<i>Kabuli</i>	Ca_Kabuli_Chr05	12204588	(A/G)
7914	CakSNP7914	<i>Kabuli</i>	Ca_Kabuli_Chr05	12427931	(C/T)
7915	CakSNP7915	<i>Kabuli</i>	Ca_Kabuli_Chr05	12427940	(T/A)
7916	CakSNP7916	<i>Kabuli</i>	Ca_Kabuli_Chr05	12427970	(T/C)
7917	CakSNP7917	<i>Kabuli</i>	Ca_Kabuli_Chr05	12427969	(T/C)
7918	CakSNP7918	<i>Kabuli</i>	Ca_Kabuli_Chr05	12427966	(T/C)
7919	CakSNP7919	<i>Kabuli</i>	Ca_Kabuli_Chr05	12428027	(G/A)
7920	CakSNP7920	<i>Kabuli</i>	Ca_Kabuli_Chr05	12428121	(A/T)
7921	CakSNP7921	<i>Kabuli</i>	Ca_Kabuli_Chr05	12428120	(G/A)
7922	CakSNP7922	<i>Kabuli</i>	Ca_Kabuli_Chr05	12428102	(A/G)
7923	CakSNP7923	<i>Kabuli</i>	Ca_Kabuli_Chr05	12480948	(T/G)
7924	CakSNP7924	<i>Kabuli</i>	Ca_Kabuli_Chr05	12553469	(A/C)
7925	CakSNP7925	<i>Kabuli</i>	Ca_Kabuli_Chr05	12553470	(G/C)
7926	CakSNP7926	<i>Kabuli</i>	Ca_Kabuli_Chr05	12590330	(A/G)
7927	CakSNP7927	<i>Kabuli</i>	Ca_Kabuli_Chr05	12590361	(T/C)
7928	CakSNP7928	<i>Kabuli</i>	Ca_Kabuli_Chr05	12590478	(T/C)
7929	CakSNP7929	<i>Kabuli</i>	Ca_Kabuli_Chr05	12662138	(G/T)
7930	CakSNP7930	<i>Kabuli</i>	Ca_Kabuli_Chr05	13982000	(T/G)
7931	CakSNP7931	<i>Kabuli</i>	Ca_Kabuli_Chr05	13982041	(C/T)
7932	CakSNP7932	<i>Kabuli</i>	Ca_Kabuli_Chr05	15401230	(C/T)
7933	CakSNP7933	<i>Kabuli</i>	Ca_Kabuli_Chr05	15500782	(G/C)
7934	CakSNP7934	<i>Kabuli</i>	Ca_Kabuli_Chr05	15548719	(G/A)
7935	CakSNP7935	<i>Kabuli</i>	Ca_Kabuli_Chr05	15952395	(C/T)
7936	CakSNP7936	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227319	(G/T)
7937	CakSNP7937	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227321	(C/T)
7938	CakSNP7938	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227353	(G/A)
7939	CakSNP7939	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227395	(G/A)
7940	CakSNP7940	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227401	(G/A)
7941	CakSNP7941	<i>Kabuli</i>	Ca_Kabuli_Chr05	16227408	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7942	CakSNP7942	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426578	(G/A)
7943	CakSNP7943	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426575	(G/A)
7944	CakSNP7944	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426549	(G/A)
7945	CakSNP7945	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426662	(C/T)
7946	CakSNP7946	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426657	(C/T)
7947	CakSNP7947	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426656	(A/G)
7948	CakSNP7948	<i>Kabuli</i>	Ca_Kabuli_Chr05	16426642	(A/G)
7949	CakSNP7949	<i>Kabuli</i>	Ca_Kabuli_Chr05	16593880	(A/G)
7950	CakSNP7950	<i>Kabuli</i>	Ca_Kabuli_Chr05	16751536	(C/T)
7951	CakSNP7951	<i>Kabuli</i>	Ca_Kabuli_Chr05	16767134	(C/T)
7952	CakSNP7952	<i>Kabuli</i>	Ca_Kabuli_Chr05	16821406	(A/G)
7953	CakSNP7953	<i>Kabuli</i>	Ca_Kabuli_Chr05	16929903	(C/G)
7954	CakSNP7954	<i>Kabuli</i>	Ca_Kabuli_Chr05	16929897	(A/G)
7955	CakSNP7955	<i>Kabuli</i>	Ca_Kabuli_Chr05	17037918	(G/T)
7956	CakSNP7956	<i>Kabuli</i>	Ca_Kabuli_Chr05	17044340	(G/A)
7957	CakSNP7957	<i>Kabuli</i>	Ca_Kabuli_Chr05	17044338	(G/A)
7958	CakSNP7958	<i>Kabuli</i>	Ca_Kabuli_Chr05	17044332	(A/G)
7959	CakSNP7959	<i>Kabuli</i>	Ca_Kabuli_Chr05	17045235	(T/C)
7960	CakSNP7960	<i>Kabuli</i>	Ca_Kabuli_Chr05	17045244	(A/G)
7961	CakSNP7961	<i>Kabuli</i>	Ca_Kabuli_Chr05	17045485	(T/G)
7962	CakSNP7962	<i>Kabuli</i>	Ca_Kabuli_Chr05	17239612	(T/C)
7963	CakSNP7963	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494714	(A/G)
7964	CakSNP7964	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494702	(G/A)
7965	CakSNP7965	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494700	(T/C)
7966	CakSNP7966	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494697	(C/T)
7967	CakSNP7967	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494672	(C/T)
7968	CakSNP7968	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494699	(C/A)
7969	CakSNP7969	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494705	(A/T)
7970	CakSNP7970	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494710	(C/T)
7971	CakSNP7971	<i>Kabuli</i>	Ca_Kabuli_Chr05	17494731	(A/T)
7972	CakSNP7972	<i>Kabuli</i>	Ca_Kabuli_Chr05	18044808	(C/G)
7973	CakSNP7973	<i>Kabuli</i>	Ca_Kabuli_Chr05	18664706	(C/T)
7974	CakSNP7974	<i>Kabuli</i>	Ca_Kabuli_Chr05	18667782	(T/C)
7975	CakSNP7975	<i>Kabuli</i>	Ca_Kabuli_Chr05	18667775	(T/C)
7976	CakSNP7976	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682788	(A/C)
7977	CakSNP7977	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682792	(T/C)
7978	CakSNP7978	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682793	(A/G)
7979	CakSNP7979	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682794	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7980	CakSNP7980	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682812	(A/G)
7981	CakSNP7981	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682814	(T/A)
7982	CakSNP7982	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682822	(A/G)
7983	CakSNP7983	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682827	(C/G)
7984	CakSNP7984	<i>Kabuli</i>	Ca_Kabuli_Chr05	18682830	(G/A)
7985	CakSNP7985	<i>Kabuli</i>	Ca_Kabuli_Chr05	18684334	(C/T)
7986	CakSNP7986	<i>Kabuli</i>	Ca_Kabuli_Chr05	18971085	(G/A)
7987	CakSNP7987	<i>Kabuli</i>	Ca_Kabuli_Chr05	18971088	(C/A)
7988	CakSNP7988	<i>Kabuli</i>	Ca_Kabuli_Chr05	19421820	(C/T)
7989	CakSNP7989	<i>Kabuli</i>	Ca_Kabuli_Chr05	19421868	(C/T)
7990	CakSNP7990	<i>Kabuli</i>	Ca_Kabuli_Chr05	19423387	(G/A)
7991	CakSNP7991	<i>Kabuli</i>	Ca_Kabuli_Chr05	19423357	(C/T)
7992	CakSNP7992	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828124	(G/A)
7993	CakSNP7993	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828151	(C/A)
7994	CakSNP7994	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828163	(C/T)
7995	CakSNP7995	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828166	(C/T)
7996	CakSNP7996	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828167	(A/C)
7997	CakSNP7997	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828226	(G/A)
7998	CakSNP7998	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828190	(T/C)
7999	CakSNP7999	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828184	(C/A)
8000	CakSNP8000	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828172	(T/G)
8001	CakSNP8001	<i>Kabuli</i>	Ca_Kabuli_Chr05	19828144	(A/G)
8002	CakSNP8002	<i>Kabuli</i>	Ca_Kabuli_Chr05	19884132	(C/T)
8003	CakSNP8003	<i>Kabuli</i>	Ca_Kabuli_Chr05	19884124	(A/G)
8004	CakSNP8004	<i>Kabuli</i>	Ca_Kabuli_Chr05	20008545	(C/T)
8005	CakSNP8005	<i>Kabuli</i>	Ca_Kabuli_Chr05	20031711	(A/G)
8006	CakSNP8006	<i>Kabuli</i>	Ca_Kabuli_Chr05	20354352	(T/C)
8007	CakSNP8007	<i>Kabuli</i>	Ca_Kabuli_Chr05	20359674	(G/A)
8008	CakSNP8008	<i>Kabuli</i>	Ca_Kabuli_Chr05	20460857	(G/A)
8009	CakSNP8009	<i>Kabuli</i>	Ca_Kabuli_Chr05	20460859	(T/G)
8010	CakSNP8010	<i>Kabuli</i>	Ca_Kabuli_Chr05	20546402	(T/C)
8011	CakSNP8011	<i>Kabuli</i>	Ca_Kabuli_Chr05	20546385	(T/G)
8012	CakSNP8012	<i>Kabuli</i>	Ca_Kabuli_Chr05	20644984	(C/A)
8013	CakSNP8013	<i>Kabuli</i>	Ca_Kabuli_Chr05	20834519	(A/G)
8014	CakSNP8014	<i>Kabuli</i>	Ca_Kabuli_Chr05	21163371	(G/A)
8015	CakSNP8015	<i>Kabuli</i>	Ca_Kabuli_Chr05	21385948	(T/C)
8016	CakSNP8016	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495583	(C/A)
8017	CakSNP8017	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495631	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8018	CakSNP8018	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495672	(G/A)
8019	CakSNP8019	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495707	(A/G)
8020	CakSNP8020	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495679	(G/A)
8021	CakSNP8021	<i>Kabuli</i>	Ca_Kabuli_Chr05	21495674	(G/A)
8022	CakSNP8022	<i>Kabuli</i>	Ca_Kabuli_Chr05	21769327	(G/A)
8023	CakSNP8023	<i>Kabuli</i>	Ca_Kabuli_Chr05	21769419	(C/G)
8024	CakSNP8024	<i>Kabuli</i>	Ca_Kabuli_Chr05	21769794	(A/C)
8025	CakSNP8025	<i>Kabuli</i>	Ca_Kabuli_Chr05	22027215	(T/C)
8026	CakSNP8026	<i>Kabuli</i>	Ca_Kabuli_Chr05	22027257	(G/T)
8027	CakSNP8027	<i>Kabuli</i>	Ca_Kabuli_Chr05	22027265	(A/T)
8028	CakSNP8028	<i>Kabuli</i>	Ca_Kabuli_Chr05	22029684	(C/A)
8029	CakSNP8029	<i>Kabuli</i>	Ca_Kabuli_Chr05	22029686	(G/A)
8030	CakSNP8030	<i>Kabuli</i>	Ca_Kabuli_Chr05	22029761	(C/T)
8031	CakSNP8031	<i>Kabuli</i>	Ca_Kabuli_Chr05	22065518	(C/T)
8032	CakSNP8032	<i>Kabuli</i>	Ca_Kabuli_Chr05	22065859	(G/A)
8033	CakSNP8033	<i>Kabuli</i>	Ca_Kabuli_Chr05	22066034	(A/T)
8034	CakSNP8034	<i>Kabuli</i>	Ca_Kabuli_Chr05	22116961	(T/G)
8035	CakSNP8035	<i>Kabuli</i>	Ca_Kabuli_Chr05	22188341	(C/T)
8036	CakSNP8036	<i>Kabuli</i>	Ca_Kabuli_Chr05	22188318	(C/T)
8037	CakSNP8037	<i>Kabuli</i>	Ca_Kabuli_Chr05	22296731	(G/A)
8038	CakSNP8038	<i>Kabuli</i>	Ca_Kabuli_Chr05	22296728	(G/T)
8039	CakSNP8039	<i>Kabuli</i>	Ca_Kabuli_Chr05	22302350	(A/C)
8040	CakSNP8040	<i>Kabuli</i>	Ca_Kabuli_Chr05	22344868	(A/G)
8041	CakSNP8041	<i>Kabuli</i>	Ca_Kabuli_Chr05	22445954	(T/C)
8042	CakSNP8042	<i>Kabuli</i>	Ca_Kabuli_Chr05	22679380	(C/A)
8043	CakSNP8043	<i>Kabuli</i>	Ca_Kabuli_Chr05	23039312	(C/T)
8044	CakSNP8044	<i>Kabuli</i>	Ca_Kabuli_Chr05	23049683	(C/A)
8045	CakSNP8045	<i>Kabuli</i>	Ca_Kabuli_Chr05	23157899	(A/G)
8046	CakSNP8046	<i>Kabuli</i>	Ca_Kabuli_Chr05	23161492	(A/T)
8047	CakSNP8047	<i>Kabuli</i>	Ca_Kabuli_Chr05	23261964	(A/G)
8048	CakSNP8048	<i>Kabuli</i>	Ca_Kabuli_Chr05	23262114	(C/A)
8049	CakSNP8049	<i>Kabuli</i>	Ca_Kabuli_Chr05	23262264	(C/A)
8050	CakSNP8050	<i>Kabuli</i>	Ca_Kabuli_Chr05	23323538	(G/A)
8051	CakSNP8051	<i>Kabuli</i>	Ca_Kabuli_Chr05	23323520	(C/A)
8052	CakSNP8052	<i>Kabuli</i>	Ca_Kabuli_Chr05	23323514	(C/A)
8053	CakSNP8053	<i>Kabuli</i>	Ca_Kabuli_Chr05	23323479	(A/T)
8054	CakSNP8054	<i>Kabuli</i>	Ca_Kabuli_Chr05	23323478	(A/T)
8055	CakSNP8055	<i>Kabuli</i>	Ca_Kabuli_Chr05	23440293	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8056	CakSNP8056	<i>Kabuli</i>	Ca_Kabuli_Chr05	23449048	(T/C)
8057	CakSNP8057	<i>Kabuli</i>	Ca_Kabuli_Chr05	23449134	(A/C)
8058	CakSNP8058	<i>Kabuli</i>	Ca_Kabuli_Chr05	23449127	(C/A)
8059	CakSNP8059	<i>Kabuli</i>	Ca_Kabuli_Chr05	23562595	(G/A)
8060	CakSNP8060	<i>Kabuli</i>	Ca_Kabuli_Chr05	23562827	(G/A)
8061	CakSNP8061	<i>Kabuli</i>	Ca_Kabuli_Chr05	23674814	(C/G)
8062	CakSNP8062	<i>Kabuli</i>	Ca_Kabuli_Chr05	23674815	(C/T)
8063	CakSNP8063	<i>Kabuli</i>	Ca_Kabuli_Chr05	23674845	(G/C)
8064	CakSNP8064	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783140	(T/C)
8065	CakSNP8065	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783156	(C/A)
8066	CakSNP8066	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783157	(G/C)
8067	CakSNP8067	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783188	(G/A)
8068	CakSNP8068	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783195	(C/G)
8069	CakSNP8069	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783254	(A/G)
8070	CakSNP8070	<i>Kabuli</i>	Ca_Kabuli_Chr05	23783252	(T/A)
8071	CakSNP8071	<i>Kabuli</i>	Ca_Kabuli_Chr05	23884909	(C/T)
8072	CakSNP8072	<i>Kabuli</i>	Ca_Kabuli_Chr05	23884936	(G/A)
8073	CakSNP8073	<i>Kabuli</i>	Ca_Kabuli_Chr05	23930933	(C/T)
8074	CakSNP8074	<i>Kabuli</i>	Ca_Kabuli_Chr05	23930988	(G/A)
8075	CakSNP8075	<i>Kabuli</i>	Ca_Kabuli_Chr05	23932354	(C/T)
8076	CakSNP8076	<i>Kabuli</i>	Ca_Kabuli_Chr05	23934198	(G/T)
8077	CakSNP8077	<i>Kabuli</i>	Ca_Kabuli_Chr05	24059182	(C/G)
8078	CakSNP8078	<i>Kabuli</i>	Ca_Kabuli_Chr05	24090533	(C/T)
8079	CakSNP8079	<i>Kabuli</i>	Ca_Kabuli_Chr05	24090523	(A/C)
8080	CakSNP8080	<i>Kabuli</i>	Ca_Kabuli_Chr05	24090515	(A/C)
8081	CakSNP8081	<i>Kabuli</i>	Ca_Kabuli_Chr05	24090749	(A/C)
8082	CakSNP8082	<i>Kabuli</i>	Ca_Kabuli_Chr05	24097823	(T/C)
8083	CakSNP8083	<i>Kabuli</i>	Ca_Kabuli_Chr05	24153061	(G/C)
8084	CakSNP8084	<i>Kabuli</i>	Ca_Kabuli_Chr05	24153205	(T/C)
8085	CakSNP8085	<i>Kabuli</i>	Ca_Kabuli_Chr05	24153273	(T/C)
8086	CakSNP8086	<i>Kabuli</i>	Ca_Kabuli_Chr05	24153202	(A/C)
8087	CakSNP8087	<i>Kabuli</i>	Ca_Kabuli_Chr05	24153199	(C/T)
8088	CakSNP8088	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166103	(C/T)
8089	CakSNP8089	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166095	(G/A)
8090	CakSNP8090	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166093	(A/G)
8091	CakSNP8091	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166046	(G/A)
8092	CakSNP8092	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166047	(C/T)
8093	CakSNP8093	<i>Kabuli</i>	Ca_Kabuli_Chr05	24166082	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8094	CakSNP8094	<i>Kabuli</i>	Ca_Kabuli_Chr05	24181232	(C/A)
8095	CakSNP8095	<i>Kabuli</i>	Ca_Kabuli_Chr05	24181228	(C/A)
8096	CakSNP8096	<i>Kabuli</i>	Ca_Kabuli_Chr05	24245312	(C/A)
8097	CakSNP8097	<i>Kabuli</i>	Ca_Kabuli_Chr05	24245308	(C/A)
8098	CakSNP8098	<i>Kabuli</i>	Ca_Kabuli_Chr05	24346350	(A/T)
8099	CakSNP8099	<i>Kabuli</i>	Ca_Kabuli_Chr05	24576960	(C/T)
8100	CakSNP8100	<i>Kabuli</i>	Ca_Kabuli_Chr05	24576970	(A/G)
8101	CakSNP8101	<i>Kabuli</i>	Ca_Kabuli_Chr05	24576993	(T/G)
8102	CakSNP8102	<i>Kabuli</i>	Ca_Kabuli_Chr05	24596227	(T/C)
8103	CakSNP8103	<i>Kabuli</i>	Ca_Kabuli_Chr05	24596257	(C/T)
8104	CakSNP8104	<i>Kabuli</i>	Ca_Kabuli_Chr05	24596269	(G/A)
8105	CakSNP8105	<i>Kabuli</i>	Ca_Kabuli_Chr05	24605438	(A/C)
8106	CakSNP8106	<i>Kabuli</i>	Ca_Kabuli_Chr05	24843015	(G/T)
8107	CakSNP8107	<i>Kabuli</i>	Ca_Kabuli_Chr05	25003171	(C/T)
8108	CakSNP8108	<i>Kabuli</i>	Ca_Kabuli_Chr05	25006110	(A/C)
8109	CakSNP8109	<i>Kabuli</i>	Ca_Kabuli_Chr05	25006123	(C/T)
8110	CakSNP8110	<i>Kabuli</i>	Ca_Kabuli_Chr05	25184089	(T/C)
8111	CakSNP8111	<i>Kabuli</i>	Ca_Kabuli_Chr05	25184133	(G/A)
8112	CakSNP8112	<i>Kabuli</i>	Ca_Kabuli_Chr05	25399115	(T/G)
8113	CakSNP8113	<i>Kabuli</i>	Ca_Kabuli_Chr05	25400604	(A/G)
8114	CakSNP8114	<i>Kabuli</i>	Ca_Kabuli_Chr05	25474110	(A/C)
8115	CakSNP8115	<i>Kabuli</i>	Ca_Kabuli_Chr05	25474105	(C/T)
8116	CakSNP8116	<i>Kabuli</i>	Ca_Kabuli_Chr05	25474093	(G/C)
8117	CakSNP8117	<i>Kabuli</i>	Ca_Kabuli_Chr05	25474089	(C/A)
8118	CakSNP8118	<i>Kabuli</i>	Ca_Kabuli_Chr05	25597077	(A/G)
8119	CakSNP8119	<i>Kabuli</i>	Ca_Kabuli_Chr05	25678975	(G/T)
8120	CakSNP8120	<i>Kabuli</i>	Ca_Kabuli_Chr05	25697487	(C/G)
8121	CakSNP8121	<i>Kabuli</i>	Ca_Kabuli_Chr05	25805020	(A/G)
8122	CakSNP8122	<i>Kabuli</i>	Ca_Kabuli_Chr05	26025243	(C/T)
8123	CakSNP8123	<i>Kabuli</i>	Ca_Kabuli_Chr05	26025282	(A/G)
8124	CakSNP8124	<i>Kabuli</i>	Ca_Kabuli_Chr05	26025356	(A/T)
8125	CakSNP8125	<i>Kabuli</i>	Ca_Kabuli_Chr05	26027313	(C/A)
8126	CakSNP8126	<i>Kabuli</i>	Ca_Kabuli_Chr05	26095084	(T/G)
8127	CakSNP8127	<i>Kabuli</i>	Ca_Kabuli_Chr05	26124240	(T/C)
8128	CakSNP8128	<i>Kabuli</i>	Ca_Kabuli_Chr05	26191896	(T/C)
8129	CakSNP8129	<i>Kabuli</i>	Ca_Kabuli_Chr05	26194579	(A/G)
8130	CakSNP8130	<i>Kabuli</i>	Ca_Kabuli_Chr05	26238764	(T/G)
8131	CakSNP8131	<i>Kabuli</i>	Ca_Kabuli_Chr05	26238752	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8132	CakSNP8132	<i>Kabuli</i>	Ca_Kabuli_Chr05	26238748	(A/T)
8133	CakSNP8133	<i>Kabuli</i>	Ca_Kabuli_Chr05	26238741	(G/T)
8134	CakSNP8134	<i>Kabuli</i>	Ca_Kabuli_Chr05	26238739	(C/T)
8135	CakSNP8135	<i>Kabuli</i>	Ca_Kabuli_Chr05	26384636	(C/G)
8136	CakSNP8136	<i>Kabuli</i>	Ca_Kabuli_Chr05	26467869	(A/C)
8137	CakSNP8137	<i>Kabuli</i>	Ca_Kabuli_Chr05	26474910	(A/C)
8138	CakSNP8138	<i>Kabuli</i>	Ca_Kabuli_Chr05	26475067	(T/C)
8139	CakSNP8139	<i>Kabuli</i>	Ca_Kabuli_Chr05	26477751	(A/T)
8140	CakSNP8140	<i>Kabuli</i>	Ca_Kabuli_Chr05	26494631	(A/G)
8141	CakSNP8141	<i>Kabuli</i>	Ca_Kabuli_Chr05	26494778	(T/C)
8142	CakSNP8142	<i>Kabuli</i>	Ca_Kabuli_Chr05	26494769	(T/C)
8143	CakSNP8143	<i>Kabuli</i>	Ca_Kabuli_Chr05	26496197	(A/G)
8144	CakSNP8144	<i>Kabuli</i>	Ca_Kabuli_Chr05	26558406	(A/G)
8145	CakSNP8145	<i>Kabuli</i>	Ca_Kabuli_Chr05	26558366	(A/G)
8146	CakSNP8146	<i>Kabuli</i>	Ca_Kabuli_Chr05	26558363	(C/G)
8147	CakSNP8147	<i>Kabuli</i>	Ca_Kabuli_Chr05	26558357	(G/A)
8148	CakSNP8148	<i>Kabuli</i>	Ca_Kabuli_Chr05	26558356	(G/T)
8149	CakSNP8149	<i>Kabuli</i>	Ca_Kabuli_Chr05	26569400	(G/C)
8150	CakSNP8150	<i>Kabuli</i>	Ca_Kabuli_Chr05	26609014	(T/C)
8151	CakSNP8151	<i>Kabuli</i>	Ca_Kabuli_Chr05	26608993	(A/G)
8152	CakSNP8152	<i>Kabuli</i>	Ca_Kabuli_Chr05	26621093	(C/G)
8153	CakSNP8153	<i>Kabuli</i>	Ca_Kabuli_Chr05	26626861	(A/G)
8154	CakSNP8154	<i>Kabuli</i>	Ca_Kabuli_Chr05	26626855	(T/G)
8155	CakSNP8155	<i>Kabuli</i>	Ca_Kabuli_Chr05	26638041	(G/A)
8156	CakSNP8156	<i>Kabuli</i>	Ca_Kabuli_Chr05	26638042	(C/T)
8157	CakSNP8157	<i>Kabuli</i>	Ca_Kabuli_Chr05	26638080	(A/G)
8158	CakSNP8158	<i>Kabuli</i>	Ca_Kabuli_Chr05	26638126	(C/T)
8159	CakSNP8159	<i>Kabuli</i>	Ca_Kabuli_Chr05	26638118	(C/T)
8160	CakSNP8160	<i>Kabuli</i>	Ca_Kabuli_Chr05	26679836	(C/T)
8161	CakSNP8161	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696390	(G/A)
8162	CakSNP8162	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696412	(C/A)
8163	CakSNP8163	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696455	(G/A)
8164	CakSNP8164	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696547	(C/T)
8165	CakSNP8165	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696533	(C/T)
8166	CakSNP8166	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696494	(G/A)
8167	CakSNP8167	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696578	(G/A)
8168	CakSNP8168	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696602	(C/T)
8169	CakSNP8169	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696620	(C/T)

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8170	CakSNP8170	<i>Kabuli</i>	Ca_Kabuli_Chr05	26696624	(G/A)
8171	CakSNP8171	<i>Kabuli</i>	Ca_Kabuli_Chr05	26785140	(G/A)
8172	CakSNP8172	<i>Kabuli</i>	Ca_Kabuli_Chr05	26785226	(C/A)
8173	CakSNP8173	<i>Kabuli</i>	Ca_Kabuli_Chr05	26997335	(T/G)
8174	CakSNP8174	<i>Kabuli</i>	Ca_Kabuli_Chr05	26999793	(C/T)
8175	CakSNP8175	<i>Kabuli</i>	Ca_Kabuli_Chr05	27000127	(C/G)
8176	CakSNP8176	<i>Kabuli</i>	Ca_Kabuli_Chr05	27000104	(C/A)
8177	CakSNP8177	<i>Kabuli</i>	Ca_Kabuli_Chr05	27000278	(T/A)
8178	CakSNP8178	<i>Kabuli</i>	Ca_Kabuli_Chr05	27000280	(T/G)
8179	CakSNP8179	<i>Kabuli</i>	Ca_Kabuli_Chr05	27025766	(A/G)
8180	CakSNP8180	<i>Kabuli</i>	Ca_Kabuli_Chr05	27025752	(A/C)
8181	CakSNP8181	<i>Kabuli</i>	Ca_Kabuli_Chr05	27042679	(G/A)
8182	CakSNP8182	<i>Kabuli</i>	Ca_Kabuli_Chr05	27117953	(A/G)
8183	CakSNP8183	<i>Kabuli</i>	Ca_Kabuli_Chr05	27150550	(A/G)
8184	CakSNP8184	<i>Kabuli</i>	Ca_Kabuli_Chr05	27230515	(T/A)
8185	CakSNP8185	<i>Kabuli</i>	Ca_Kabuli_Chr05	27230514	(A/G)
8186	CakSNP8186	<i>Kabuli</i>	Ca_Kabuli_Chr05	27231394	(T/C)
8187	CakSNP8187	<i>Kabuli</i>	Ca_Kabuli_Chr05	27231641	(T/A)
8188	CakSNP8188	<i>Kabuli</i>	Ca_Kabuli_Chr05	27232304	(T/A)
8189	CakSNP8189	<i>Kabuli</i>	Ca_Kabuli_Chr05	27234806	(G/A)
8190	CakSNP8190	<i>Kabuli</i>	Ca_Kabuli_Chr05	27235002	(T/G)
8191	CakSNP8191	<i>Kabuli</i>	Ca_Kabuli_Chr05	27328552	(G/A)
8192	CakSNP8192	<i>Kabuli</i>	Ca_Kabuli_Chr05	27328737	(G/T)
8193	CakSNP8193	<i>Kabuli</i>	Ca_Kabuli_Chr05	27334056	(A/C)
8194	CakSNP8194	<i>Kabuli</i>	Ca_Kabuli_Chr05	27334057	(G/C)
8195	CakSNP8195	<i>Kabuli</i>	Ca_Kabuli_Chr05	27334061	(G/C)
8196	CakSNP8196	<i>Kabuli</i>	Ca_Kabuli_Chr05	27349210	(T/A)
8197	CakSNP8197	<i>Kabuli</i>	Ca_Kabuli_Chr05	27349237	(C/T)
8198	CakSNP8198	<i>Kabuli</i>	Ca_Kabuli_Chr05	27361515	(C/T)
8199	CakSNP8199	<i>Kabuli</i>	Ca_Kabuli_Chr05	27361579	(T/G)
8200	CakSNP8200	<i>Kabuli</i>	Ca_Kabuli_Chr05	27362517	(C/G)
8201	CakSNP8201	<i>Kabuli</i>	Ca_Kabuli_Chr05	27362570	(G/T)
8202	CakSNP8202	<i>Kabuli</i>	Ca_Kabuli_Chr05	27362573	(A/G)
8203	CakSNP8203	<i>Kabuli</i>	Ca_Kabuli_Chr05	27362584	(T/G)
8204	CakSNP8204	<i>Kabuli</i>	Ca_Kabuli_Chr05	27452484	(C/G)
8205	CakSNP8205	<i>Kabuli</i>	Ca_Kabuli_Chr05	27516054	(T/A)
8206	CakSNP8206	<i>Kabuli</i>	Ca_Kabuli_Chr05	27552106	(A/C)
8207	CakSNP8207	<i>Kabuli</i>	Ca_Kabuli_Chr05	27555637	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8208	CakSNP8208	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568101	(T/G)
8209	CakSNP8209	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568095	(C/A)
8210	CakSNP8210	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568064	(A/C)
8211	CakSNP8211	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568059	(C/T)
8212	CakSNP8212	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568028	(A/T)
8213	CakSNP8213	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568033	(G/A)
8214	CakSNP8214	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568082	(G/A)
8215	CakSNP8215	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568097	(G/A)
8216	CakSNP8216	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568098	(C/T)
8217	CakSNP8217	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568118	(A/G)
8218	CakSNP8218	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568133	(G/T)
8219	CakSNP8219	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568081	(G/C)
8220	CakSNP8220	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568107	(C/G)
8221	CakSNP8221	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568156	(C/G)
8222	CakSNP8222	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568141	(C/T)
8223	CakSNP8223	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568180	(C/T)
8224	CakSNP8224	<i>Kabuli</i>	Ca_Kabuli_Chr05	27568176	(T/C)
8225	CakSNP8225	<i>Kabuli</i>	Ca_Kabuli_Chr05	27579347	(C/T)
8226	CakSNP8226	<i>Kabuli</i>	Ca_Kabuli_Chr05	27605037	(A/T)
8227	CakSNP8227	<i>Kabuli</i>	Ca_Kabuli_Chr05	27605063	(T/A)
8228	CakSNP8228	<i>Kabuli</i>	Ca_Kabuli_Chr05	27605081	(C/T)
8229	CakSNP8229	<i>Kabuli</i>	Ca_Kabuli_Chr05	27605095	(G/C)
8230	CakSNP8230	<i>Kabuli</i>	Ca_Kabuli_Chr05	27692816	(C/T)
8231	CakSNP8231	<i>Kabuli</i>	Ca_Kabuli_Chr05	27692818	(C/T)
8232	CakSNP8232	<i>Kabuli</i>	Ca_Kabuli_Chr05	27692822	(C/T)
8233	CakSNP8233	<i>Kabuli</i>	Ca_Kabuli_Chr05	27692823	(A/T)
8234	CakSNP8234	<i>Kabuli</i>	Ca_Kabuli_Chr05	27692831	(A/T)
8235	CakSNP8235	<i>Kabuli</i>	Ca_Kabuli_Chr05	27694205	(C/A)
8236	CakSNP8236	<i>Kabuli</i>	Ca_Kabuli_Chr05	27750155	(C/T)
8237	CakSNP8237	<i>Kabuli</i>	Ca_Kabuli_Chr05	27786025	(T/C)
8238	CakSNP8238	<i>Kabuli</i>	Ca_Kabuli_Chr05	27838003	(T/C)
8239	CakSNP8239	<i>Kabuli</i>	Ca_Kabuli_Chr05	27850760	(T/C)
8240	CakSNP8240	<i>Kabuli</i>	Ca_Kabuli_Chr05	27850735	(C/A)
8241	CakSNP8241	<i>Kabuli</i>	Ca_Kabuli_Chr05	27853444	(C/T)
8242	CakSNP8242	<i>Kabuli</i>	Ca_Kabuli_Chr05	27872968	(C/T)
8243	CakSNP8243	<i>Kabuli</i>	Ca_Kabuli_Chr05	27873001	(T/C)
8244	CakSNP8244	<i>Kabuli</i>	Ca_Kabuli_Chr05	27874414	(C/A)
8245	CakSNP8245	<i>Kabuli</i>	Ca_Kabuli_Chr05	27936521	(A/G)

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8246	CakSNP8246	<i>Kabuli</i>	Ca_Kabuli_Chr05	27936524	(C/T)
8247	CakSNP8247	<i>Kabuli</i>	Ca_Kabuli_Chr05	27939162	(G/A)
8248	CakSNP8248	<i>Kabuli</i>	Ca_Kabuli_Chr05	27939135	(G/C)
8249	CakSNP8249	<i>Kabuli</i>	Ca_Kabuli_Chr05	27939134	(A/T)
8250	CakSNP8250	<i>Kabuli</i>	Ca_Kabuli_Chr05	27939128	(A/G)
8251	CakSNP8251	<i>Kabuli</i>	Ca_Kabuli_Chr05	27974691	(G/T)
8252	CakSNP8252	<i>Kabuli</i>	Ca_Kabuli_Chr05	28016628	(C/T)
8253	CakSNP8253	<i>Kabuli</i>	Ca_Kabuli_Chr05	28016669	(A/G)
8254	CakSNP8254	<i>Kabuli</i>	Ca_Kabuli_Chr05	28071467	(A/G)
8255	CakSNP8255	<i>Kabuli</i>	Ca_Kabuli_Chr05	28116818	(A/G)
8256	CakSNP8256	<i>Kabuli</i>	Ca_Kabuli_Chr05	28116988	(A/T)
8257	CakSNP8257	<i>Kabuli</i>	Ca_Kabuli_Chr05	28117011	(C/T)
8258	CakSNP8258	<i>Kabuli</i>	Ca_Kabuli_Chr05	28164985	(G/C)
8259	CakSNP8259	<i>Kabuli</i>	Ca_Kabuli_Chr05	28168910	(A/G)
8260	CakSNP8260	<i>Kabuli</i>	Ca_Kabuli_Chr05	28169475	(T/C)
8261	CakSNP8261	<i>Kabuli</i>	Ca_Kabuli_Chr05	28175039	(A/G)
8262	CakSNP8262	<i>Kabuli</i>	Ca_Kabuli_Chr05	28266046	(T/G)
8263	CakSNP8263	<i>Kabuli</i>	Ca_Kabuli_Chr05	28271638	(G/C)
8264	CakSNP8264	<i>Kabuli</i>	Ca_Kabuli_Chr05	28271732	(C/T)
8265	CakSNP8265	<i>Kabuli</i>	Ca_Kabuli_Chr05	28271733	(G/A)
8266	CakSNP8266	<i>Kabuli</i>	Ca_Kabuli_Chr05	28271742	(G/A)
8267	CakSNP8267	<i>Kabuli</i>	Ca_Kabuli_Chr05	28271767	(G/C)
8268	CakSNP8268	<i>Kabuli</i>	Ca_Kabuli_Chr05	28284640	(T/C)
8269	CakSNP8269	<i>Kabuli</i>	Ca_Kabuli_Chr05	28327832	(T/G)
8270	CakSNP8270	<i>Kabuli</i>	Ca_Kabuli_Chr05	28327883	(G/A)
8271	CakSNP8271	<i>Kabuli</i>	Ca_Kabuli_Chr05	28327870	(T/C)
8272	CakSNP8272	<i>Kabuli</i>	Ca_Kabuli_Chr05	28327868	(G/A)
8273	CakSNP8273	<i>Kabuli</i>	Ca_Kabuli_Chr05	28327856	(T/C)
8274	CakSNP8274	<i>Kabuli</i>	Ca_Kabuli_Chr05	28335455	(A/C)
8275	CakSNP8275	<i>Kabuli</i>	Ca_Kabuli_Chr05	28346497	(C/T)
8276	CakSNP8276	<i>Kabuli</i>	Ca_Kabuli_Chr05	28360495	(C/T)
8277	CakSNP8277	<i>Kabuli</i>	Ca_Kabuli_Chr05	28360492	(C/T)
8278	CakSNP8278	<i>Kabuli</i>	Ca_Kabuli_Chr05	28360585	(A/G)
8279	CakSNP8279	<i>Kabuli</i>	Ca_Kabuli_Chr05	28383374	(G/T)
8280	CakSNP8280	<i>Kabuli</i>	Ca_Kabuli_Chr05	28491113	(G/A)
8281	CakSNP8281	<i>Kabuli</i>	Ca_Kabuli_Chr05	28491131	(G/A)
8282	CakSNP8282	<i>Kabuli</i>	Ca_Kabuli_Chr05	28509048	(G/A)
8283	CakSNP8283	<i>Kabuli</i>	Ca_Kabuli_Chr05	28509066	(G/A)

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8284	CakSNP8284	<i>Kabuli</i>	Ca_Kabuli_Chr05	28562734	(G/A)
8285	CakSNP8285	<i>Kabuli</i>	Ca_Kabuli_Chr05	28581814	(A/G)
8286	CakSNP8286	<i>Kabuli</i>	Ca_Kabuli_Chr05	28581815	(C/G)
8287	CakSNP8287	<i>Kabuli</i>	Ca_Kabuli_Chr05	28581827	(T/C)
8288	CakSNP8288	<i>Kabuli</i>	Ca_Kabuli_Chr05	28581866	(T/C)
8289	CakSNP8289	<i>Kabuli</i>	Ca_Kabuli_Chr05	28581926	(C/A)
8290	CakSNP8290	<i>Kabuli</i>	Ca_Kabuli_Chr05	28582525	(C/T)
8291	CakSNP8291	<i>Kabuli</i>	Ca_Kabuli_Chr05	28582806	(T/C)
8292	CakSNP8292	<i>Kabuli</i>	Ca_Kabuli_Chr05	28582763	(A/G)
8293	CakSNP8293	<i>Kabuli</i>	Ca_Kabuli_Chr05	28583402	(G/A)
8294	CakSNP8294	<i>Kabuli</i>	Ca_Kabuli_Chr05	28583375	(C/G)
8295	CakSNP8295	<i>Kabuli</i>	Ca_Kabuli_Chr05	28682973	(A/C)
8296	CakSNP8296	<i>Kabuli</i>	Ca_Kabuli_Chr05	28682995	(G/A)
8297	CakSNP8297	<i>Kabuli</i>	Ca_Kabuli_Chr05	28683084	(A/C)
8298	CakSNP8298	<i>Kabuli</i>	Ca_Kabuli_Chr05	28683070	(T/A)
8299	CakSNP8299	<i>Kabuli</i>	Ca_Kabuli_Chr05	28683069	(A/T)
8300	CakSNP8300	<i>Kabuli</i>	Ca_Kabuli_Chr05	28714658	(C/T)
8301	CakSNP8301	<i>Kabuli</i>	Ca_Kabuli_Chr05	28717362	(C/T)
8302	CakSNP8302	<i>Kabuli</i>	Ca_Kabuli_Chr05	28717384	(C/T)
8303	CakSNP8303	<i>Kabuli</i>	Ca_Kabuli_Chr05	28721236	(C/T)
8304	CakSNP8304	<i>Kabuli</i>	Ca_Kabuli_Chr05	28721237	(A/G)
8305	CakSNP8305	<i>Kabuli</i>	Ca_Kabuli_Chr05	28721386	(T/C)
8306	CakSNP8306	<i>Kabuli</i>	Ca_Kabuli_Chr05	28721383	(A/C)
8307	CakSNP8307	<i>Kabuli</i>	Ca_Kabuli_Chr05	28746139	(A/G)
8308	CakSNP8308	<i>Kabuli</i>	Ca_Kabuli_Chr05	28757467	(A/T)
8309	CakSNP8309	<i>Kabuli</i>	Ca_Kabuli_Chr05	28757474	(T/C)
8310	CakSNP8310	<i>Kabuli</i>	Ca_Kabuli_Chr05	28757479	(T/C)
8311	CakSNP8311	<i>Kabuli</i>	Ca_Kabuli_Chr05	28757485	(A/C)
8312	CakSNP8312	<i>Kabuli</i>	Ca_Kabuli_Chr05	28757507	(A/T)
8313	CakSNP8313	<i>Kabuli</i>	Ca_Kabuli_Chr05	28758723	(A/G)
8314	CakSNP8314	<i>Kabuli</i>	Ca_Kabuli_Chr05	28817832	(A/G)
8315	CakSNP8315	<i>Kabuli</i>	Ca_Kabuli_Chr05	28827467	(A/G)
8316	CakSNP8316	<i>Kabuli</i>	Ca_Kabuli_Chr05	28843854	(G/A)
8317	CakSNP8317	<i>Kabuli</i>	Ca_Kabuli_Chr05	28843801	(A/G)
8318	CakSNP8318	<i>Kabuli</i>	Ca_Kabuli_Chr05	28843795	(A/T)
8319	CakSNP8319	<i>Kabuli</i>	Ca_Kabuli_Chr05	28843782	(C/G)
8320	CakSNP8320	<i>Kabuli</i>	Ca_Kabuli_Chr05	28843775	(C/T)
8321	CakSNP8321	<i>Kabuli</i>	Ca_Kabuli_Chr05	28854486	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8322	CakSNP8322	<i>Kabuli</i>	Ca_Kabuli_Chr05	28905203	(A/C)
8323	CakSNP8323	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007895	(T/C)
8324	CakSNP8324	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007886	(C/A)
8325	CakSNP8325	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007884	(A/C)
8326	CakSNP8326	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007882	(A/C)
8327	CakSNP8327	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007879	(T/C)
8328	CakSNP8328	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007847	(A/C)
8329	CakSNP8329	<i>Kabuli</i>	Ca_Kabuli_Chr05	29007844	(T/C)
8330	CakSNP8330	<i>Kabuli</i>	Ca_Kabuli_Chr05	29061056	(T/A)
8331	CakSNP8331	<i>Kabuli</i>	Ca_Kabuli_Chr05	29061025	(A/C)
8332	CakSNP8332	<i>Kabuli</i>	Ca_Kabuli_Chr05	29060992	(C/T)
8333	CakSNP8333	<i>Kabuli</i>	Ca_Kabuli_Chr05	29062696	(G/A)
8334	CakSNP8334	<i>Kabuli</i>	Ca_Kabuli_Chr05	29062738	(A/G)
8335	CakSNP8335	<i>Kabuli</i>	Ca_Kabuli_Chr05	29079931	(G/A)
8336	CakSNP8336	<i>Kabuli</i>	Ca_Kabuli_Chr05	29079962	(A/G)
8337	CakSNP8337	<i>Kabuli</i>	Ca_Kabuli_Chr05	29080066	(G/C)
8338	CakSNP8338	<i>Kabuli</i>	Ca_Kabuli_Chr05	29080060	(C/T)
8339	CakSNP8339	<i>Kabuli</i>	Ca_Kabuli_Chr05	29111292	(T/G)
8340	CakSNP8340	<i>Kabuli</i>	Ca_Kabuli_Chr05	29111293	(T/C)
8341	CakSNP8341	<i>Kabuli</i>	Ca_Kabuli_Chr05	29186179	(T/G)
8342	CakSNP8342	<i>Kabuli</i>	Ca_Kabuli_Chr05	29220980	(T/A)
8343	CakSNP8343	<i>Kabuli</i>	Ca_Kabuli_Chr05	29221003	(T/C)
8344	CakSNP8344	<i>Kabuli</i>	Ca_Kabuli_Chr05	29221919	(T/A)
8345	CakSNP8345	<i>Kabuli</i>	Ca_Kabuli_Chr05	29272117	(C/G)
8346	CakSNP8346	<i>Kabuli</i>	Ca_Kabuli_Chr05	29272125	(C/T)
8347	CakSNP8347	<i>Kabuli</i>	Ca_Kabuli_Chr05	29354269	(A/T)
8348	CakSNP8348	<i>Kabuli</i>	Ca_Kabuli_Chr05	29422029	(T/A)
8349	CakSNP8349	<i>Kabuli</i>	Ca_Kabuli_Chr05	29422066	(A/T)
8350	CakSNP8350	<i>Kabuli</i>	Ca_Kabuli_Chr05	29422091	(C/T)
8351	CakSNP8351	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437139	(C/T)
8352	CakSNP8352	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437146	(C/A)
8353	CakSNP8353	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437159	(C/T)
8354	CakSNP8354	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437162	(A/C)
8355	CakSNP8355	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437171	(A/T)
8356	CakSNP8356	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437181	(A/C)
8357	CakSNP8357	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437189	(C/T)
8358	CakSNP8358	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437193	(A/C)
8359	CakSNP8359	<i>Kabuli</i>	Ca_Kabuli_Chr05	29437182	(C/A)

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8360	CakSNP8360	<i>Kabuli</i>	Ca_Kabuli_Chr05	29528859	(A/T)
8361	CakSNP8361	<i>Kabuli</i>	Ca_Kabuli_Chr05	29528890	(T/A)
8362	CakSNP8362	<i>Kabuli</i>	Ca_Kabuli_Chr05	29528904	(T/G)
8363	CakSNP8363	<i>Kabuli</i>	Ca_Kabuli_Chr05	29530996	(G/A)
8364	CakSNP8364	<i>Kabuli</i>	Ca_Kabuli_Chr05	29531122	(A/T)
8365	CakSNP8365	<i>Kabuli</i>	Ca_Kabuli_Chr05	29531113	(G/A)
8366	CakSNP8366	<i>Kabuli</i>	Ca_Kabuli_Chr05	29531218	(A/T)
8367	CakSNP8367	<i>Kabuli</i>	Ca_Kabuli_Chr05	29531416	(A/G)
8368	CakSNP8368	<i>Kabuli</i>	Ca_Kabuli_Chr05	29567676	(T/C)
8369	CakSNP8369	<i>Kabuli</i>	Ca_Kabuli_Chr05	29567820	(T/C)
8370	CakSNP8370	<i>Kabuli</i>	Ca_Kabuli_Chr05	29576690	(A/T)
8371	CakSNP8371	<i>Kabuli</i>	Ca_Kabuli_Chr05	29576689	(G/A)
8372	CakSNP8372	<i>Kabuli</i>	Ca_Kabuli_Chr05	29576716	(A/C)
8373	CakSNP8373	<i>Kabuli</i>	Ca_Kabuli_Chr05	29608657	(T/C)
8374	CakSNP8374	<i>Kabuli</i>	Ca_Kabuli_Chr05	29641659	(T/C)
8375	CakSNP8375	<i>Kabuli</i>	Ca_Kabuli_Chr05	29658258	(G/C)
8376	CakSNP8376	<i>Kabuli</i>	Ca_Kabuli_Chr05	29658280	(A/C)
8377	CakSNP8377	<i>Kabuli</i>	Ca_Kabuli_Chr05	29667787	(C/G)
8378	CakSNP8378	<i>Kabuli</i>	Ca_Kabuli_Chr05	29667783	(C/T)
8379	CakSNP8379	<i>Kabuli</i>	Ca_Kabuli_Chr05	29667774	(G/C)
8380	CakSNP8380	<i>Kabuli</i>	Ca_Kabuli_Chr05	29809862	(A/C)
8381	CakSNP8381	<i>Kabuli</i>	Ca_Kabuli_Chr05	29816799	(T/C)
8382	CakSNP8382	<i>Kabuli</i>	Ca_Kabuli_Chr05	29816800	(T/A)
8383	CakSNP8383	<i>Kabuli</i>	Ca_Kabuli_Chr05	29824218	(T/G)
8384	CakSNP8384	<i>Kabuli</i>	Ca_Kabuli_Chr05	29852130	(T/C)
8385	CakSNP8385	<i>Kabuli</i>	Ca_Kabuli_Chr05	29852105	(T/G)
8386	CakSNP8386	<i>Kabuli</i>	Ca_Kabuli_Chr05	29886086	(T/A)
8387	CakSNP8387	<i>Kabuli</i>	Ca_Kabuli_Chr05	29981826	(A/G)
8388	CakSNP8388	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999414	(C/T)
8389	CakSNP8389	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999427	(G/A)
8390	CakSNP8390	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999433	(C/A)
8391	CakSNP8391	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999465	(T/G)
8392	CakSNP8392	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999476	(G/A)
8393	CakSNP8393	<i>Kabuli</i>	Ca_Kabuli_Chr05	29999523	(A/T)
8394	CakSNP8394	<i>Kabuli</i>	Ca_Kabuli_Chr05	30035763	(A/T)
8395	CakSNP8395	<i>Kabuli</i>	Ca_Kabuli_Chr05	30049265	(G/A)
8396	CakSNP8396	<i>Kabuli</i>	Ca_Kabuli_Chr05	30053540	(C/G)
8397	CakSNP8397	<i>Kabuli</i>	Ca_Kabuli_Chr05	30060160	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8398	CakSNP8398	<i>Kabuli</i>	Ca_Kabuli_Chr05	30086073	(A/G)
8399	CakSNP8399	<i>Kabuli</i>	Ca_Kabuli_Chr05	30086232	(A/C)
8400	CakSNP8400	<i>Kabuli</i>	Ca_Kabuli_Chr05	30090906	(A/G)
8401	CakSNP8401	<i>Kabuli</i>	Ca_Kabuli_Chr05	30091063	(G/A)
8402	CakSNP8402	<i>Kabuli</i>	Ca_Kabuli_Chr05	30116978	(C/T)
8403	CakSNP8403	<i>Kabuli</i>	Ca_Kabuli_Chr05	30116992	(T/G)
8404	CakSNP8404	<i>Kabuli</i>	Ca_Kabuli_Chr05	30159226	(C/T)
8405	CakSNP8405	<i>Kabuli</i>	Ca_Kabuli_Chr05	30159173	(G/A)
8406	CakSNP8406	<i>Kabuli</i>	Ca_Kabuli_Chr05	30159161	(G/A)
8407	CakSNP8407	<i>Kabuli</i>	Ca_Kabuli_Chr05	30191389	(A/C)
8408	CakSNP8408	<i>Kabuli</i>	Ca_Kabuli_Chr05	30248447	(C/A)
8409	CakSNP8409	<i>Kabuli</i>	Ca_Kabuli_Chr05	30258178	(T/G)
8410	CakSNP8410	<i>Kabuli</i>	Ca_Kabuli_Chr05	30287853	(C/T)
8411	CakSNP8411	<i>Kabuli</i>	Ca_Kabuli_Chr05	30304076	(A/T)
8412	CakSNP8412	<i>Kabuli</i>	Ca_Kabuli_Chr05	30319316	(A/G)
8413	CakSNP8413	<i>Kabuli</i>	Ca_Kabuli_Chr05	30359047	(T/C)
8414	CakSNP8414	<i>Kabuli</i>	Ca_Kabuli_Chr05	30359022	(G/A)
8415	CakSNP8415	<i>Kabuli</i>	Ca_Kabuli_Chr05	30360185	(T/C)
8416	CakSNP8416	<i>Kabuli</i>	Ca_Kabuli_Chr05	30360348	(T/C)
8417	CakSNP8417	<i>Kabuli</i>	Ca_Kabuli_Chr05	30367349	(G/T)
8418	CakSNP8418	<i>Kabuli</i>	Ca_Kabuli_Chr05	30373542	(A/G)
8419	CakSNP8419	<i>Kabuli</i>	Ca_Kabuli_Chr05	30373783	(T/A)
8420	CakSNP8420	<i>Kabuli</i>	Ca_Kabuli_Chr05	30376661	(C/G)
8421	CakSNP8421	<i>Kabuli</i>	Ca_Kabuli_Chr05	30376722	(T/C)
8422	CakSNP8422	<i>Kabuli</i>	Ca_Kabuli_Chr05	30376723	(T/C)
8423	CakSNP8423	<i>Kabuli</i>	Ca_Kabuli_Chr05	30378114	(A/G)
8424	CakSNP8424	<i>Kabuli</i>	Ca_Kabuli_Chr05	30378184	(A/G)
8425	CakSNP8425	<i>Kabuli</i>	Ca_Kabuli_Chr05	30407725	(C/G)
8426	CakSNP8426	<i>Kabuli</i>	Ca_Kabuli_Chr05	30408006	(C/T)
8427	CakSNP8427	<i>Kabuli</i>	Ca_Kabuli_Chr05	30438913	(G/A)
8428	CakSNP8428	<i>Kabuli</i>	Ca_Kabuli_Chr05	30443858	(A/T)
8429	CakSNP8429	<i>Kabuli</i>	Ca_Kabuli_Chr05	30562430	(C/G)
8430	CakSNP8430	<i>Kabuli</i>	Ca_Kabuli_Chr05	30562524	(G/T)
8431	CakSNP8431	<i>Kabuli</i>	Ca_Kabuli_Chr05	30601932	(T/C)
8432	CakSNP8432	<i>Kabuli</i>	Ca_Kabuli_Chr05	30601926	(T/C)
8433	CakSNP8433	<i>Kabuli</i>	Ca_Kabuli_Chr05	30601920	(T/C)
8434	CakSNP8434	<i>Kabuli</i>	Ca_Kabuli_Chr05	30627937	(G/T)
8435	CakSNP8435	<i>Kabuli</i>	Ca_Kabuli_Chr05	30632697	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8436	CakSNP8436	<i>Kabuli</i>	Ca_Kabuli_Chr05	30655941	(T/C)
8437	CakSNP8437	<i>Kabuli</i>	Ca_Kabuli_Chr05	30656058	(A/T)
8438	CakSNP8438	<i>Kabuli</i>	Ca_Kabuli_Chr05	30690891	(T/G)
8439	CakSNP8439	<i>Kabuli</i>	Ca_Kabuli_Chr05	30690852	(G/A)
8440	CakSNP8440	<i>Kabuli</i>	Ca_Kabuli_Chr05	30690885	(A/G)
8441	CakSNP8441	<i>Kabuli</i>	Ca_Kabuli_Chr05	30691510	(A/G)
8442	CakSNP8442	<i>Kabuli</i>	Ca_Kabuli_Chr05	30691515	(G/A)
8443	CakSNP8443	<i>Kabuli</i>	Ca_Kabuli_Chr05	30691543	(A/G)
8444	CakSNP8444	<i>Kabuli</i>	Ca_Kabuli_Chr05	30697511	(G/A)
8445	CakSNP8445	<i>Kabuli</i>	Ca_Kabuli_Chr05	30745571	(G/T)
8446	CakSNP8446	<i>Kabuli</i>	Ca_Kabuli_Chr05	30749553	(A/T)
8447	CakSNP8447	<i>Kabuli</i>	Ca_Kabuli_Chr05	30749696	(A/T)
8448	CakSNP8448	<i>Kabuli</i>	Ca_Kabuli_Chr05	30755644	(A/G)
8449	CakSNP8449	<i>Kabuli</i>	Ca_Kabuli_Chr05	30755584	(G/A)
8450	CakSNP8450	<i>Kabuli</i>	Ca_Kabuli_Chr05	30811250	(A/T)
8451	CakSNP8451	<i>Kabuli</i>	Ca_Kabuli_Chr05	30864010	(T/C)
8452	CakSNP8452	<i>Kabuli</i>	Ca_Kabuli_Chr05	30868770	(G/C)
8453	CakSNP8453	<i>Kabuli</i>	Ca_Kabuli_Chr05	30868695	(G/C)
8454	CakSNP8454	<i>Kabuli</i>	Ca_Kabuli_Chr05	30878047	(C/T)
8455	CakSNP8455	<i>Kabuli</i>	Ca_Kabuli_Chr05	30878092	(G/T)
8456	CakSNP8456	<i>Kabuli</i>	Ca_Kabuli_Chr05	30878100	(T/A)
8457	CakSNP8457	<i>Kabuli</i>	Ca_Kabuli_Chr05	30890480	(G/C)
8458	CakSNP8458	<i>Kabuli</i>	Ca_Kabuli_Chr05	30962640	(A/T)
8459	CakSNP8459	<i>Kabuli</i>	Ca_Kabuli_Chr05	30962641	(C/A)
8460	CakSNP8460	<i>Kabuli</i>	Ca_Kabuli_Chr05	30962650	(G/A)
8461	CakSNP8461	<i>Kabuli</i>	Ca_Kabuli_Chr05	30964628	(A/G)
8462	CakSNP8462	<i>Kabuli</i>	Ca_Kabuli_Chr05	31024408	(T/C)
8463	CakSNP8463	<i>Kabuli</i>	Ca_Kabuli_Chr05	31025764	(G/T)
8464	CakSNP8464	<i>Kabuli</i>	Ca_Kabuli_Chr05	31034500	(T/C)
8465	CakSNP8465	<i>Kabuli</i>	Ca_Kabuli_Chr05	31034898	(A/G)
8466	CakSNP8466	<i>Kabuli</i>	Ca_Kabuli_Chr05	31064173	(C/G)
8467	CakSNP8467	<i>Kabuli</i>	Ca_Kabuli_Chr05	31072213	(T/C)
8468	CakSNP8468	<i>Kabuli</i>	Ca_Kabuli_Chr05	31072276	(G/A)
8469	CakSNP8469	<i>Kabuli</i>	Ca_Kabuli_Chr05	31084839	(A/C)
8470	CakSNP8470	<i>Kabuli</i>	Ca_Kabuli_Chr05	31088698	(T/G)
8471	CakSNP8471	<i>Kabuli</i>	Ca_Kabuli_Chr05	31126125	(C/T)
8472	CakSNP8472	<i>Kabuli</i>	Ca_Kabuli_Chr05	31131830	(T/C)
8473	CakSNP8473	<i>Kabuli</i>	Ca_Kabuli_Chr05	31132568	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8474	CakSNP8474	<i>Kabuli</i>	Ca_Kabuli_Chr05	31138650	(G/A)
8475	CakSNP8475	<i>Kabuli</i>	Ca_Kabuli_Chr05	31140531	(T/C)
8476	CakSNP8476	<i>Kabuli</i>	Ca_Kabuli_Chr05	31162533	(G/A)
8477	CakSNP8477	<i>Kabuli</i>	Ca_Kabuli_Chr05	31164387	(G/C)
8478	CakSNP8478	<i>Kabuli</i>	Ca_Kabuli_Chr05	31164539	(T/C)
8479	CakSNP8479	<i>Kabuli</i>	Ca_Kabuli_Chr05	31165048	(T/C)
8480	CakSNP8480	<i>Kabuli</i>	Ca_Kabuli_Chr05	31165039	(T/C)
8481	CakSNP8481	<i>Kabuli</i>	Ca_Kabuli_Chr05	31165035	(T/C)
8482	CakSNP8482	<i>Kabuli</i>	Ca_Kabuli_Chr05	31165002	(A/C)
8483	CakSNP8483	<i>Kabuli</i>	Ca_Kabuli_Chr05	31171555	(G/A)
8484	CakSNP8484	<i>Kabuli</i>	Ca_Kabuli_Chr05	31176722	(T/G)
8485	CakSNP8485	<i>Kabuli</i>	Ca_Kabuli_Chr05	31176810	(C/T)
8486	CakSNP8486	<i>Kabuli</i>	Ca_Kabuli_Chr05	31176844	(G/A)
8487	CakSNP8487	<i>Kabuli</i>	Ca_Kabuli_Chr05	31192415	(C/T)
8488	CakSNP8488	<i>Kabuli</i>	Ca_Kabuli_Chr05	31192413	(G/A)
8489	CakSNP8489	<i>Kabuli</i>	Ca_Kabuli_Chr05	31194845	(G/T)
8490	CakSNP8490	<i>Kabuli</i>	Ca_Kabuli_Chr05	31194974	(T/C)
8491	CakSNP8491	<i>Kabuli</i>	Ca_Kabuli_Chr05	31194988	(G/T)
8492	CakSNP8492	<i>Kabuli</i>	Ca_Kabuli_Chr05	31194989	(A/C)
8493	CakSNP8493	<i>Kabuli</i>	Ca_Kabuli_Chr05	31215109	(C/T)
8494	CakSNP8494	<i>Kabuli</i>	Ca_Kabuli_Chr05	31310698	(C/T)
8495	CakSNP8495	<i>Kabuli</i>	Ca_Kabuli_Chr05	31310702	(C/G)
8496	CakSNP8496	<i>Kabuli</i>	Ca_Kabuli_Chr05	31310703	(A/G)
8497	CakSNP8497	<i>Kabuli</i>	Ca_Kabuli_Chr05	31310741	(A/G)
8498	CakSNP8498	<i>Kabuli</i>	Ca_Kabuli_Chr05	31314012	(A/C)
8499	CakSNP8499	<i>Kabuli</i>	Ca_Kabuli_Chr05	31314056	(A/C)
8500	CakSNP8500	<i>Kabuli</i>	Ca_Kabuli_Chr05	31344725	(G/A)
8501	CakSNP8501	<i>Kabuli</i>	Ca_Kabuli_Chr05	31377103	(C/T)
8502	CakSNP8502	<i>Kabuli</i>	Ca_Kabuli_Chr05	31377122	(C/T)
8503	CakSNP8503	<i>Kabuli</i>	Ca_Kabuli_Chr05	31377134	(A/T)
8504	CakSNP8504	<i>Kabuli</i>	Ca_Kabuli_Chr05	31390221	(A/G)
8505	CakSNP8505	<i>Kabuli</i>	Ca_Kabuli_Chr05	31390319	(C/T)
8506	CakSNP8506	<i>Kabuli</i>	Ca_Kabuli_Chr05	31522389	(T/G)
8507	CakSNP8507	<i>Kabuli</i>	Ca_Kabuli_Chr05	31548555	(G/A)
8508	CakSNP8508	<i>Kabuli</i>	Ca_Kabuli_Chr05	31651335	(G/T)
8509	CakSNP8509	<i>Kabuli</i>	Ca_Kabuli_Chr05	31651336	(T/G)
8510	CakSNP8510	<i>Kabuli</i>	Ca_Kabuli_Chr05	31653418	(T/C)
8511	CakSNP8511	<i>Kabuli</i>	Ca_Kabuli_Chr05	31653423	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8512	CakSNP8512	<i>Kabuli</i>	Ca_Kabuli_Chr05	31653432	(A/G)
8513	CakSNP8513	<i>Kabuli</i>	Ca_Kabuli_Chr05	31653437	(C/T)
8514	CakSNP8514	<i>Kabuli</i>	Ca_Kabuli_Chr05	31653452	(C/A)
8515	CakSNP8515	<i>Kabuli</i>	Ca_Kabuli_Chr05	31687881	(C/T)
8516	CakSNP8516	<i>Kabuli</i>	Ca_Kabuli_Chr05	31687891	(A/C)
8517	CakSNP8517	<i>Kabuli</i>	Ca_Kabuli_Chr05	31696236	(T/C)
8518	CakSNP8518	<i>Kabuli</i>	Ca_Kabuli_Chr05	31710670	(G/A)
8519	CakSNP8519	<i>Kabuli</i>	Ca_Kabuli_Chr05	31724217	(G/A)
8520	CakSNP8520	<i>Kabuli</i>	Ca_Kabuli_Chr05	31724272	(C/T)
8521	CakSNP8521	<i>Kabuli</i>	Ca_Kabuli_Chr05	31724332	(G/A)
8522	CakSNP8522	<i>Kabuli</i>	Ca_Kabuli_Chr05	31750150	(T/G)
8523	CakSNP8523	<i>Kabuli</i>	Ca_Kabuli_Chr05	31750242	(A/G)
8524	CakSNP8524	<i>Kabuli</i>	Ca_Kabuli_Chr05	31758166	(T/C)
8525	CakSNP8525	<i>Kabuli</i>	Ca_Kabuli_Chr05	31802684	(G/T)
8526	CakSNP8526	<i>Kabuli</i>	Ca_Kabuli_Chr05	31802727	(G/A)
8527	CakSNP8527	<i>Kabuli</i>	Ca_Kabuli_Chr05	31816202	(A/C)
8528	CakSNP8528	<i>Kabuli</i>	Ca_Kabuli_Chr05	31816228	(A/G)
8529	CakSNP8529	<i>Kabuli</i>	Ca_Kabuli_Chr05	31935674	(T/C)
8530	CakSNP8530	<i>Kabuli</i>	Ca_Kabuli_Chr05	31951925	(G/A)
8531	CakSNP8531	<i>Kabuli</i>	Ca_Kabuli_Chr05	31951944	(C/T)
8532	CakSNP8532	<i>Kabuli</i>	Ca_Kabuli_Chr05	31985390	(G/C)
8533	CakSNP8533	<i>Kabuli</i>	Ca_Kabuli_Chr05	32011781	(G/T)
8534	CakSNP8534	<i>Kabuli</i>	Ca_Kabuli_Chr05	32011792	(T/G)
8535	CakSNP8535	<i>Kabuli</i>	Ca_Kabuli_Chr05	32015967	(T/C)
8536	CakSNP8536	<i>Kabuli</i>	Ca_Kabuli_Chr05	32019864	(G/A)
8537	CakSNP8537	<i>Kabuli</i>	Ca_Kabuli_Chr05	32023925	(T/C)
8538	CakSNP8538	<i>Kabuli</i>	Ca_Kabuli_Chr05	32090295	(C/A)
8539	CakSNP8539	<i>Kabuli</i>	Ca_Kabuli_Chr05	32144081	(G/C)
8540	CakSNP8540	<i>Kabuli</i>	Ca_Kabuli_Chr05	32144108	(A/C)
8541	CakSNP8541	<i>Kabuli</i>	Ca_Kabuli_Chr05	32144120	(C/T)
8542	CakSNP8542	<i>Kabuli</i>	Ca_Kabuli_Chr05	32147522	(C/T)
8543	CakSNP8543	<i>Kabuli</i>	Ca_Kabuli_Chr05	32171632	(G/A)
8544	CakSNP8544	<i>Kabuli</i>	Ca_Kabuli_Chr05	32171652	(T/A)
8545	CakSNP8545	<i>Kabuli</i>	Ca_Kabuli_Chr05	32209547	(C/G)
8546	CakSNP8546	<i>Kabuli</i>	Ca_Kabuli_Chr05	32209750	(T/C)
8547	CakSNP8547	<i>Kabuli</i>	Ca_Kabuli_Chr05	32229485	(A/T)
8548	CakSNP8548	<i>Kabuli</i>	Ca_Kabuli_Chr05	32291158	(C/T)
8549	CakSNP8549	<i>Kabuli</i>	Ca_Kabuli_Chr05	32291118	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8550	CakSNP8550	<i>Kabuli</i>	Ca_Kabuli_Chr05	32328110	(T/C)
8551	CakSNP8551	<i>Kabuli</i>	Ca_Kabuli_Chr05	32346655	(A/C)
8552	CakSNP8552	<i>Kabuli</i>	Ca_Kabuli_Chr05	32357511	(G/A)
8553	CakSNP8553	<i>Kabuli</i>	Ca_Kabuli_Chr05	32368485	(G/C)
8554	CakSNP8554	<i>Kabuli</i>	Ca_Kabuli_Chr05	32369197	(C/A)
8555	CakSNP8555	<i>Kabuli</i>	Ca_Kabuli_Chr05	32399391	(T/A)
8556	CakSNP8556	<i>Kabuli</i>	Ca_Kabuli_Chr05	32476432	(A/G)
8557	CakSNP8557	<i>Kabuli</i>	Ca_Kabuli_Chr05	32476423	(A/G)
8558	CakSNP8558	<i>Kabuli</i>	Ca_Kabuli_Chr05	32516773	(T/A)
8559	CakSNP8559	<i>Kabuli</i>	Ca_Kabuli_Chr05	32524646	(T/C)
8560	CakSNP8560	<i>Kabuli</i>	Ca_Kabuli_Chr05	32566131	(C/G)
8561	CakSNP8561	<i>Kabuli</i>	Ca_Kabuli_Chr05	32598221	(C/A)
8562	CakSNP8562	<i>Kabuli</i>	Ca_Kabuli_Chr05	32623507	(T/G)
8563	CakSNP8563	<i>Kabuli</i>	Ca_Kabuli_Chr05	32631930	(C/A)
8564	CakSNP8564	<i>Kabuli</i>	Ca_Kabuli_Chr05	32643759	(A/G)
8565	CakSNP8565	<i>Kabuli</i>	Ca_Kabuli_Chr05	32732862	(A/T)
8566	CakSNP8566	<i>Kabuli</i>	Ca_Kabuli_Chr05	32732913	(A/T)
8567	CakSNP8567	<i>Kabuli</i>	Ca_Kabuli_Chr05	32759420	(T/A)
8568	CakSNP8568	<i>Kabuli</i>	Ca_Kabuli_Chr05	32761420	(G/A)
8569	CakSNP8569	<i>Kabuli</i>	Ca_Kabuli_Chr05	32794288	(G/A)
8570	CakSNP8570	<i>Kabuli</i>	Ca_Kabuli_Chr05	32816626	(G/T)
8571	CakSNP8571	<i>Kabuli</i>	Ca_Kabuli_Chr05	32839347	(C/A)
8572	CakSNP8572	<i>Kabuli</i>	Ca_Kabuli_Chr05	32840512	(A/T)
8573	CakSNP8573	<i>Kabuli</i>	Ca_Kabuli_Chr05	32840522	(T/C)
8574	CakSNP8574	<i>Kabuli</i>	Ca_Kabuli_Chr05	32840541	(T/G)
8575	CakSNP8575	<i>Kabuli</i>	Ca_Kabuli_Chr05	32859483	(T/A)
8576	CakSNP8576	<i>Kabuli</i>	Ca_Kabuli_Chr05	32859504	(T/G)
8577	CakSNP8577	<i>Kabuli</i>	Ca_Kabuli_Chr05	32859515	(T/G)
8578	CakSNP8578	<i>Kabuli</i>	Ca_Kabuli_Chr05	32860087	(C/T)
8579	CakSNP8579	<i>Kabuli</i>	Ca_Kabuli_Chr05	32978975	(A/T)
8580	CakSNP8580	<i>Kabuli</i>	Ca_Kabuli_Chr05	33052329	(C/G)
8581	CakSNP8581	<i>Kabuli</i>	Ca_Kabuli_Chr05	33143038	(A/T)
8582	CakSNP8582	<i>Kabuli</i>	Ca_Kabuli_Chr05	33189733	(A/G)
8583	CakSNP8583	<i>Kabuli</i>	Ca_Kabuli_Chr05	33189791	(G/A)
8584	CakSNP8584	<i>Kabuli</i>	Ca_Kabuli_Chr05	33189808	(A/G)
8585	CakSNP8585	<i>Kabuli</i>	Ca_Kabuli_Chr05	33255823	(T/G)
8586	CakSNP8586	<i>Kabuli</i>	Ca_Kabuli_Chr05	33255971	(G/T)
8587	CakSNP8587	<i>Kabuli</i>	Ca_Kabuli_Chr05	33256053	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8588	CakSNP8588	<i>Kabuli</i>	Ca_Kabuli_Chr05	33256089	(T/C)
8589	CakSNP8589	<i>Kabuli</i>	Ca_Kabuli_Chr05	33256245	(T/C)
8590	CakSNP8590	<i>Kabuli</i>	Ca_Kabuli_Chr05	33256412	(A/T)
8591	CakSNP8591	<i>Kabuli</i>	Ca_Kabuli_Chr05	33256388	(T/A)
8592	CakSNP8592	<i>Kabuli</i>	Ca_Kabuli_Chr05	33336127	(C/G)
8593	CakSNP8593	<i>Kabuli</i>	Ca_Kabuli_Chr05	33336135	(G/T)
8594	CakSNP8594	<i>Kabuli</i>	Ca_Kabuli_Chr05	33349598	(C/T)
8595	CakSNP8595	<i>Kabuli</i>	Ca_Kabuli_Chr05	33349700	(A/G)
8596	CakSNP8596	<i>Kabuli</i>	Ca_Kabuli_Chr05	33379904	(A/G)
8597	CakSNP8597	<i>Kabuli</i>	Ca_Kabuli_Chr05	33379873	(C/T)
8598	CakSNP8598	<i>Kabuli</i>	Ca_Kabuli_Chr05	33381774	(C/T)
8599	CakSNP8599	<i>Kabuli</i>	Ca_Kabuli_Chr05	33422813	(C/T)
8600	CakSNP8600	<i>Kabuli</i>	Ca_Kabuli_Chr05	33422780	(A/G)
8601	CakSNP8601	<i>Kabuli</i>	Ca_Kabuli_Chr05	33422779	(C/T)
8602	CakSNP8602	<i>Kabuli</i>	Ca_Kabuli_Chr05	33422767	(T/C)
8603	CakSNP8603	<i>Kabuli</i>	Ca_Kabuli_Chr05	33431897	(T/C)
8604	CakSNP8604	<i>Kabuli</i>	Ca_Kabuli_Chr05	33431996	(T/C)
8605	CakSNP8605	<i>Kabuli</i>	Ca_Kabuli_Chr05	33523676	(T/C)
8606	CakSNP8606	<i>Kabuli</i>	Ca_Kabuli_Chr05	33523686	(G/A)
8607	CakSNP8607	<i>Kabuli</i>	Ca_Kabuli_Chr05	33523691	(T/C)
8608	CakSNP8608	<i>Kabuli</i>	Ca_Kabuli_Chr05	33532807	(A/G)
8609	CakSNP8609	<i>Kabuli</i>	Ca_Kabuli_Chr05	33532804	(A/T)
8610	CakSNP8610	<i>Kabuli</i>	Ca_Kabuli_Chr05	33532798	(A/T)
8611	CakSNP8611	<i>Kabuli</i>	Ca_Kabuli_Chr05	33574726	(T/C)
8612	CakSNP8612	<i>Kabuli</i>	Ca_Kabuli_Chr05	33578061	(T/A)
8613	CakSNP8613	<i>Kabuli</i>	Ca_Kabuli_Chr05	33578167	(A/T)
8614	CakSNP8614	<i>Kabuli</i>	Ca_Kabuli_Chr05	33578438	(T/C)
8615	CakSNP8615	<i>Kabuli</i>	Ca_Kabuli_Chr05	33578477	(A/G)
8616	CakSNP8616	<i>Kabuli</i>	Ca_Kabuli_Chr05	33581040	(A/G)
8617	CakSNP8617	<i>Kabuli</i>	Ca_Kabuli_Chr05	33626841	(C/T)
8618	CakSNP8618	<i>Kabuli</i>	Ca_Kabuli_Chr05	33627132	(T/C)
8619	CakSNP8619	<i>Kabuli</i>	Ca_Kabuli_Chr05	33631108	(A/G)
8620	CakSNP8620	<i>Kabuli</i>	Ca_Kabuli_Chr05	33631266	(T/A)
8621	CakSNP8621	<i>Kabuli</i>	Ca_Kabuli_Chr05	33656560	(C/G)
8622	CakSNP8622	<i>Kabuli</i>	Ca_Kabuli_Chr05	33673894	(T/C)
8623	CakSNP8623	<i>Kabuli</i>	Ca_Kabuli_Chr05	33700181	(G/C)
8624	CakSNP8624	<i>Kabuli</i>	Ca_Kabuli_Chr05	33700196	(A/T)
8625	CakSNP8625	<i>Kabuli</i>	Ca_Kabuli_Chr05	33721487	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8626	CakSNP8626	<i>Kabuli</i>	Ca_Kabuli_Chr05	33721544	(A/G)
8627	CakSNP8627	<i>Kabuli</i>	Ca_Kabuli_Chr05	33771359	(T/C)
8628	CakSNP8628	<i>Kabuli</i>	Ca_Kabuli_Chr05	33812108	(T/C)
8629	CakSNP8629	<i>Kabuli</i>	Ca_Kabuli_Chr05	33812213	(A/C)
8630	CakSNP8630	<i>Kabuli</i>	Ca_Kabuli_Chr05	33812363	(T/A)
8631	CakSNP8631	<i>Kabuli</i>	Ca_Kabuli_Chr05	33818742	(T/A)
8632	CakSNP8632	<i>Kabuli</i>	Ca_Kabuli_Chr05	33818789	(C/G)
8633	CakSNP8633	<i>Kabuli</i>	Ca_Kabuli_Chr05	33818823	(A/G)
8634	CakSNP8634	<i>Kabuli</i>	Ca_Kabuli_Chr05	33824516	(G/T)
8635	CakSNP8635	<i>Kabuli</i>	Ca_Kabuli_Chr05	33824513	(G/A)
8636	CakSNP8636	<i>Kabuli</i>	Ca_Kabuli_Chr05	33824503	(G/A)
8637	CakSNP8637	<i>Kabuli</i>	Ca_Kabuli_Chr05	33835816	(T/C)
8638	CakSNP8638	<i>Kabuli</i>	Ca_Kabuli_Chr05	33841544	(T/G)
8639	CakSNP8639	<i>Kabuli</i>	Ca_Kabuli_Chr05	33844056	(A/T)
8640	CakSNP8640	<i>Kabuli</i>	Ca_Kabuli_Chr05	33844059	(G/C)
8641	CakSNP8641	<i>Kabuli</i>	Ca_Kabuli_Chr05	33844222	(T/C)
8642	CakSNP8642	<i>Kabuli</i>	Ca_Kabuli_Chr05	33844436	(T/A)
8643	CakSNP8643	<i>Kabuli</i>	Ca_Kabuli_Chr05	33892596	(A/C)
8644	CakSNP8644	<i>Kabuli</i>	Ca_Kabuli_Chr05	33937307	(G/A)
8645	CakSNP8645	<i>Kabuli</i>	Ca_Kabuli_Chr05	33937316	(G/A)
8646	CakSNP8646	<i>Kabuli</i>	Ca_Kabuli_Chr05	33963525	(G/C)
8647	CakSNP8647	<i>Kabuli</i>	Ca_Kabuli_Chr05	33985819	(A/G)
8648	CakSNP8648	<i>Kabuli</i>	Ca_Kabuli_Chr05	33986234	(C/T)
8649	CakSNP8649	<i>Kabuli</i>	Ca_Kabuli_Chr05	33986253	(A/C)
8650	CakSNP8650	<i>Kabuli</i>	Ca_Kabuli_Chr05	34022362	(G/T)
8651	CakSNP8651	<i>Kabuli</i>	Ca_Kabuli_Chr05	34040479	(A/G)
8652	CakSNP8652	<i>Kabuli</i>	Ca_Kabuli_Chr05	34040508	(A/C)
8653	CakSNP8653	<i>Kabuli</i>	Ca_Kabuli_Chr05	34040535	(G/A)
8654	CakSNP8654	<i>Kabuli</i>	Ca_Kabuli_Chr05	34041705	(G/T)
8655	CakSNP8655	<i>Kabuli</i>	Ca_Kabuli_Chr05	34073378	(A/T)
8656	CakSNP8656	<i>Kabuli</i>	Ca_Kabuli_Chr05	34073395	(G/A)
8657	CakSNP8657	<i>Kabuli</i>	Ca_Kabuli_Chr05	34073445	(A/T)
8658	CakSNP8658	<i>Kabuli</i>	Ca_Kabuli_Chr05	34201989	(C/G)
8659	CakSNP8659	<i>Kabuli</i>	Ca_Kabuli_Chr05	34202000	(T/C)
8660	CakSNP8660	<i>Kabuli</i>	Ca_Kabuli_Chr05	34202075	(T/G)
8661	CakSNP8661	<i>Kabuli</i>	Ca_Kabuli_Chr05	34202222	(G/A)
8662	CakSNP8662	<i>Kabuli</i>	Ca_Kabuli_Chr05	34241269	(C/G)
8663	CakSNP8663	<i>Kabuli</i>	Ca_Kabuli_Chr05	34244499	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8664	CakSNP8664	<i>Kabuli</i>	Ca_Kabuli_Chr05	34244681	(G/A)
8665	CakSNP8665	<i>Kabuli</i>	Ca_Kabuli_Chr05	34244670	(A/G)
8666	CakSNP8666	<i>Kabuli</i>	Ca_Kabuli_Chr05	34244662	(C/G)
8667	CakSNP8667	<i>Kabuli</i>	Ca_Kabuli_Chr05	34244754	(T/A)
8668	CakSNP8668	<i>Kabuli</i>	Ca_Kabuli_Chr05	34313779	(A/G)
8669	CakSNP8669	<i>Kabuli</i>	Ca_Kabuli_Chr05	34313758	(T/G)
8670	CakSNP8670	<i>Kabuli</i>	Ca_Kabuli_Chr05	34334980	(A/G)
8671	CakSNP8671	<i>Kabuli</i>	Ca_Kabuli_Chr05	34334993	(A/C)
8672	CakSNP8672	<i>Kabuli</i>	Ca_Kabuli_Chr05	34335252	(T/A)
8673	CakSNP8673	<i>Kabuli</i>	Ca_Kabuli_Chr05	34418798	(G/C)
8674	CakSNP8674	<i>Kabuli</i>	Ca_Kabuli_Chr05	34441581	(A/C)
8675	CakSNP8675	<i>Kabuli</i>	Ca_Kabuli_Chr05	34461159	(T/C)
8676	CakSNP8676	<i>Kabuli</i>	Ca_Kabuli_Chr05	34482245	(G/T)
8677	CakSNP8677	<i>Kabuli</i>	Ca_Kabuli_Chr05	34482217	(G/T)
8678	CakSNP8678	<i>Kabuli</i>	Ca_Kabuli_Chr05	34511669	(G/T)
8679	CakSNP8679	<i>Kabuli</i>	Ca_Kabuli_Chr05	34511678	(T/C)
8680	CakSNP8680	<i>Kabuli</i>	Ca_Kabuli_Chr05	34511693	(C/T)
8681	CakSNP8681	<i>Kabuli</i>	Ca_Kabuli_Chr05	34511705	(G/T)
8682	CakSNP8682	<i>Kabuli</i>	Ca_Kabuli_Chr05	34521655	(T/C)
8683	CakSNP8683	<i>Kabuli</i>	Ca_Kabuli_Chr05	34531222	(A/G)
8684	CakSNP8684	<i>Kabuli</i>	Ca_Kabuli_Chr05	34535758	(T/C)
8685	CakSNP8685	<i>Kabuli</i>	Ca_Kabuli_Chr05	34535893	(G/T)
8686	CakSNP8686	<i>Kabuli</i>	Ca_Kabuli_Chr05	34535878	(G/A)
8687	CakSNP8687	<i>Kabuli</i>	Ca_Kabuli_Chr05	34629028	(A/G)
8688	CakSNP8688	<i>Kabuli</i>	Ca_Kabuli_Chr05	34673784	(T/A)
8689	CakSNP8689	<i>Kabuli</i>	Ca_Kabuli_Chr05	34691234	(A/C)
8690	CakSNP8690	<i>Kabuli</i>	Ca_Kabuli_Chr05	34691302	(T/C)
8691	CakSNP8691	<i>Kabuli</i>	Ca_Kabuli_Chr05	34691453	(G/A)
8692	CakSNP8692	<i>Kabuli</i>	Ca_Kabuli_Chr05	34807071	(C/T)
8693	CakSNP8693	<i>Kabuli</i>	Ca_Kabuli_Chr05	34814216	(T/C)
8694	CakSNP8694	<i>Kabuli</i>	Ca_Kabuli_Chr05	34824647	(C/G)
8695	CakSNP8695	<i>Kabuli</i>	Ca_Kabuli_Chr05	34824749	(A/T)
8696	CakSNP8696	<i>Kabuli</i>	Ca_Kabuli_Chr05	34845398	(T/G)
8697	CakSNP8697	<i>Kabuli</i>	Ca_Kabuli_Chr05	34879731	(A/G)
8698	CakSNP8698	<i>Kabuli</i>	Ca_Kabuli_Chr05	34974615	(T/A)
8699	CakSNP8699	<i>Kabuli</i>	Ca_Kabuli_Chr05	34974703	(C/T)
8700	CakSNP8700	<i>Kabuli</i>	Ca_Kabuli_Chr05	34974795	(A/G)
8701	CakSNP8701	<i>Kabuli</i>	Ca_Kabuli_Chr05	34975712	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8702	CakSNP8702	<i>Kabuli</i>	Ca_Kabuli_Chr05	34998725	(G/A)
8703	CakSNP8703	<i>Kabuli</i>	Ca_Kabuli_Chr05	35126544	(A/C)
8704	CakSNP8704	<i>Kabuli</i>	Ca_Kabuli_Chr05	35164295	(C/T)
8705	CakSNP8705	<i>Kabuli</i>	Ca_Kabuli_Chr05	35191371	(C/G)
8706	CakSNP8706	<i>Kabuli</i>	Ca_Kabuli_Chr05	35209511	(T/C)
8707	CakSNP8707	<i>Kabuli</i>	Ca_Kabuli_Chr05	35213601	(C/T)
8708	CakSNP8708	<i>Kabuli</i>	Ca_Kabuli_Chr05	35226049	(G/C)
8709	CakSNP8709	<i>Kabuli</i>	Ca_Kabuli_Chr05	35290452	(A/G)
8710	CakSNP8710	<i>Kabuli</i>	Ca_Kabuli_Chr05	35296135	(A/C)
8711	CakSNP8711	<i>Kabuli</i>	Ca_Kabuli_Chr05	35330946	(G/A)
8712	CakSNP8712	<i>Kabuli</i>	Ca_Kabuli_Chr05	35330995	(A/C)
8713	CakSNP8713	<i>Kabuli</i>	Ca_Kabuli_Chr05	35340068	(A/G)
8714	CakSNP8714	<i>Kabuli</i>	Ca_Kabuli_Chr05	35340065	(G/A)
8715	CakSNP8715	<i>Kabuli</i>	Ca_Kabuli_Chr05	35374184	(G/A)
8716	CakSNP8716	<i>Kabuli</i>	Ca_Kabuli_Chr05	35438327	(G/T)
8717	CakSNP8717	<i>Kabuli</i>	Ca_Kabuli_Chr05	35495900	(T/A)
8718	CakSNP8718	<i>Kabuli</i>	Ca_Kabuli_Chr05	35500751	(T/C)
8719	CakSNP8719	<i>Kabuli</i>	Ca_Kabuli_Chr05	35534923	(T/A)
8720	CakSNP8720	<i>Kabuli</i>	Ca_Kabuli_Chr05	35534897	(G/A)
8721	CakSNP8721	<i>Kabuli</i>	Ca_Kabuli_Chr05	35540372	(T/C)
8722	CakSNP8722	<i>Kabuli</i>	Ca_Kabuli_Chr05	35543648	(T/C)
8723	CakSNP8723	<i>Kabuli</i>	Ca_Kabuli_Chr05	35554534	(C/A)
8724	CakSNP8724	<i>Kabuli</i>	Ca_Kabuli_Chr05	35554593	(C/T)
8725	CakSNP8725	<i>Kabuli</i>	Ca_Kabuli_Chr05	35555184	(A/G)
8726	CakSNP8726	<i>Kabuli</i>	Ca_Kabuli_Chr05	35576495	(A/G)
8727	CakSNP8727	<i>Kabuli</i>	Ca_Kabuli_Chr05	35617798	(A/C)
8728	CakSNP8728	<i>Kabuli</i>	Ca_Kabuli_Chr05	35688558	(T/C)
8729	CakSNP8729	<i>Kabuli</i>	Ca_Kabuli_Chr05	35690996	(G/A)
8730	CakSNP8730	<i>Kabuli</i>	Ca_Kabuli_Chr05	35691581	(T/C)
8731	CakSNP8731	<i>Kabuli</i>	Ca_Kabuli_Chr05	35715495	(C/T)
8732	CakSNP8732	<i>Kabuli</i>	Ca_Kabuli_Chr05	35715550	(G/C)
8733	CakSNP8733	<i>Kabuli</i>	Ca_Kabuli_Chr05	35715571	(A/C)
8734	CakSNP8734	<i>Kabuli</i>	Ca_Kabuli_Chr05	35715563	(G/A)
8735	CakSNP8735	<i>Kabuli</i>	Ca_Kabuli_Chr05	35715548	(T/C)
8736	CakSNP8736	<i>Kabuli</i>	Ca_Kabuli_Chr05	35773040	(C/A)
8737	CakSNP8737	<i>Kabuli</i>	Ca_Kabuli_Chr05	35773044	(A/G)
8738	CakSNP8738	<i>Kabuli</i>	Ca_Kabuli_Chr05	35775200	(T/C)
8739	CakSNP8739	<i>Kabuli</i>	Ca_Kabuli_Chr05	35775191	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8740	CakSNP8740	<i>Kabuli</i>	Ca_Kabuli_Chr05	35775266	(G/A)
8741	CakSNP8741	<i>Kabuli</i>	Ca_Kabuli_Chr05	35789373	(T/A)
8742	CakSNP8742	<i>Kabuli</i>	Ca_Kabuli_Chr05	35789775	(A/G)
8743	CakSNP8743	<i>Kabuli</i>	Ca_Kabuli_Chr05	35839230	(T/C)
8744	CakSNP8744	<i>Kabuli</i>	Ca_Kabuli_Chr05	35839233	(G/A)
8745	CakSNP8745	<i>Kabuli</i>	Ca_Kabuli_Chr05	35844295	(G/T)
8746	CakSNP8746	<i>Kabuli</i>	Ca_Kabuli_Chr05	35845094	(G/A)
8747	CakSNP8747	<i>Kabuli</i>	Ca_Kabuli_Chr05	35845780	(T/C)
8748	CakSNP8748	<i>Kabuli</i>	Ca_Kabuli_Chr05	35845801	(T/C)
8749	CakSNP8749	<i>Kabuli</i>	Ca_Kabuli_Chr05	35846404	(A/G)
8750	CakSNP8750	<i>Kabuli</i>	Ca_Kabuli_Chr05	35868865	(G/A)
8751	CakSNP8751	<i>Kabuli</i>	Ca_Kabuli_Chr05	35877505	(T/C)
8752	CakSNP8752	<i>Kabuli</i>	Ca_Kabuli_Chr05	35926105	(T/C)
8753	CakSNP8753	<i>Kabuli</i>	Ca_Kabuli_Chr05	35937904	(C/T)
8754	CakSNP8754	<i>Kabuli</i>	Ca_Kabuli_Chr05	35937842	(G/T)
8755	CakSNP8755	<i>Kabuli</i>	Ca_Kabuli_Chr05	35947574	(G/A)
8756	CakSNP8756	<i>Kabuli</i>	Ca_Kabuli_Chr05	35954656	(T/C)
8757	CakSNP8757	<i>Kabuli</i>	Ca_Kabuli_Chr05	35956534	(C/T)
8758	CakSNP8758	<i>Kabuli</i>	Ca_Kabuli_Chr05	36012698	(C/G)
8759	CakSNP8759	<i>Kabuli</i>	Ca_Kabuli_Chr05	36039365	(A/C)
8760	CakSNP8760	<i>Kabuli</i>	Ca_Kabuli_Chr05	36128655	(G/T)
8761	CakSNP8761	<i>Kabuli</i>	Ca_Kabuli_Chr05	36131156	(A/C)
8762	CakSNP8762	<i>Kabuli</i>	Ca_Kabuli_Chr05	36217803	(C/T)
8763	CakSNP8763	<i>Kabuli</i>	Ca_Kabuli_Chr05	36238656	(G/A)
8764	CakSNP8764	<i>Kabuli</i>	Ca_Kabuli_Chr05	36238655	(G/C)
8765	CakSNP8765	<i>Kabuli</i>	Ca_Kabuli_Chr05	36248568	(C/T)
8766	CakSNP8766	<i>Kabuli</i>	Ca_Kabuli_Chr05	36292611	(C/G)
8767	CakSNP8767	<i>Kabuli</i>	Ca_Kabuli_Chr05	36334569	(C/A)
8768	CakSNP8768	<i>Kabuli</i>	Ca_Kabuli_Chr05	36334592	(C/T)
8769	CakSNP8769	<i>Kabuli</i>	Ca_Kabuli_Chr05	36334625	(A/G)
8770	CakSNP8770	<i>Kabuli</i>	Ca_Kabuli_Chr05	36338598	(A/C)
8771	CakSNP8771	<i>Kabuli</i>	Ca_Kabuli_Chr05	36338658	(A/G)
8772	CakSNP8772	<i>Kabuli</i>	Ca_Kabuli_Chr05	36397489	(A/C)
8773	CakSNP8773	<i>Kabuli</i>	Ca_Kabuli_Chr05	36400943	(C/T)
8774	CakSNP8774	<i>Kabuli</i>	Ca_Kabuli_Chr05	36408701	(G/A)
8775	CakSNP8775	<i>Kabuli</i>	Ca_Kabuli_Chr05	36408719	(G/A)
8776	CakSNP8776	<i>Kabuli</i>	Ca_Kabuli_Chr05	36408724	(T/C)
8777	CakSNP8777	<i>Kabuli</i>	Ca_Kabuli_Chr05	36408736	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8778	CakSNP8778	<i>Kabuli</i>	Ca_Kabuli_Chr05	36430677	(A/C)
8779	CakSNP8779	<i>Kabuli</i>	Ca_Kabuli_Chr05	36441063	(C/T)
8780	CakSNP8780	<i>Kabuli</i>	Ca_Kabuli_Chr05	36533996	(T/A)
8781	CakSNP8781	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534056	(G/C)
8782	CakSNP8782	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534057	(T/G)
8783	CakSNP8783	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534060	(G/A)
8784	CakSNP8784	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534063	(C/T)
8785	CakSNP8785	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534126	(A/G)
8786	CakSNP8786	<i>Kabuli</i>	Ca_Kabuli_Chr05	36534110	(T/C)
8787	CakSNP8787	<i>Kabuli</i>	Ca_Kabuli_Chr05	36566175	(G/A)
8788	CakSNP8788	<i>Kabuli</i>	Ca_Kabuli_Chr05	36613610	(T/C)
8789	CakSNP8789	<i>Kabuli</i>	Ca_Kabuli_Chr05	36619837	(A/G)
8790	CakSNP8790	<i>Kabuli</i>	Ca_Kabuli_Chr05	36621872	(A/T)
8791	CakSNP8791	<i>Kabuli</i>	Ca_Kabuli_Chr05	36672147	(C/T)
8792	CakSNP8792	<i>Kabuli</i>	Ca_Kabuli_Chr05	36672164	(A/G)
8793	CakSNP8793	<i>Kabuli</i>	Ca_Kabuli_Chr05	36673950	(C/A)
8794	CakSNP8794	<i>Kabuli</i>	Ca_Kabuli_Chr05	36731961	(T/C)
8795	CakSNP8795	<i>Kabuli</i>	Ca_Kabuli_Chr05	36735459	(A/T)
8796	CakSNP8796	<i>Kabuli</i>	Ca_Kabuli_Chr05	36751625	(C/T)
8797	CakSNP8797	<i>Kabuli</i>	Ca_Kabuli_Chr05	36751851	(T/A)
8798	CakSNP8798	<i>Kabuli</i>	Ca_Kabuli_Chr05	36757408	(G/A)
8799	CakSNP8799	<i>Kabuli</i>	Ca_Kabuli_Chr05	36797173	(A/G)
8800	CakSNP8800	<i>Kabuli</i>	Ca_Kabuli_Chr05	36797187	(G/T)
8801	CakSNP8801	<i>Kabuli</i>	Ca_Kabuli_Chr05	36800497	(G/T)
8802	CakSNP8802	<i>Kabuli</i>	Ca_Kabuli_Chr05	36842784	(G/T)
8803	CakSNP8803	<i>Kabuli</i>	Ca_Kabuli_Chr05	36855028	(G/A)
8804	CakSNP8804	<i>Kabuli</i>	Ca_Kabuli_Chr05	36916560	(T/C)
8805	CakSNP8805	<i>Kabuli</i>	Ca_Kabuli_Chr05	36999074	(G/C)
8806	CakSNP8806	<i>Kabuli</i>	Ca_Kabuli_Chr05	37016704	(C/G)
8807	CakSNP8807	<i>Kabuli</i>	Ca_Kabuli_Chr05	37039246	(A/T)
8808	CakSNP8808	<i>Kabuli</i>	Ca_Kabuli_Chr05	37039300	(A/G)
8809	CakSNP8809	<i>Kabuli</i>	Ca_Kabuli_Chr05	37040045	(G/A)
8810	CakSNP8810	<i>Kabuli</i>	Ca_Kabuli_Chr05	37067293	(A/G)
8811	CakSNP8811	<i>Kabuli</i>	Ca_Kabuli_Chr05	37067371	(T/C)
8812	CakSNP8812	<i>Kabuli</i>	Ca_Kabuli_Chr05	37067384	(G/C)
8813	CakSNP8813	<i>Kabuli</i>	Ca_Kabuli_Chr05	37083276	(T/G)
8814	CakSNP8814	<i>Kabuli</i>	Ca_Kabuli_Chr05	37083275	(G/T)
8815	CakSNP8815	<i>Kabuli</i>	Ca_Kabuli_Chr05	37114574	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8816	CakSNP8816	<i>Kabuli</i>	Ca_Kabuli_Chr05	37126371	(A/G)
8817	CakSNP8817	<i>Kabuli</i>	Ca_Kabuli_Chr05	37126354	(T/C)
8818	CakSNP8818	<i>Kabuli</i>	Ca_Kabuli_Chr05	37147572	(C/T)
8819	CakSNP8819	<i>Kabuli</i>	Ca_Kabuli_Chr05	37167061	(A/G)
8820	CakSNP8820	<i>Kabuli</i>	Ca_Kabuli_Chr05	37167114	(A/T)
8821	CakSNP8821	<i>Kabuli</i>	Ca_Kabuli_Chr05	37167108	(A/T)
8822	CakSNP8822	<i>Kabuli</i>	Ca_Kabuli_Chr05	37194939	(G/A)
8823	CakSNP8823	<i>Kabuli</i>	Ca_Kabuli_Chr05	37194917	(G/A)
8824	CakSNP8824	<i>Kabuli</i>	Ca_Kabuli_Chr05	37197321	(C/A)
8825	CakSNP8825	<i>Kabuli</i>	Ca_Kabuli_Chr05	37207821	(A/T)
8826	CakSNP8826	<i>Kabuli</i>	Ca_Kabuli_Chr05	37207837	(G/T)
8827	CakSNP8827	<i>Kabuli</i>	Ca_Kabuli_Chr05	37211645	(T/G)
8828	CakSNP8828	<i>Kabuli</i>	Ca_Kabuli_Chr05	37213853	(C/T)
8829	CakSNP8829	<i>Kabuli</i>	Ca_Kabuli_Chr05	37232307	(T/C)
8830	CakSNP8830	<i>Kabuli</i>	Ca_Kabuli_Chr05	37254596	(A/G)
8831	CakSNP8831	<i>Kabuli</i>	Ca_Kabuli_Chr05	37260601	(T/C)
8832	CakSNP8832	<i>Kabuli</i>	Ca_Kabuli_Chr05	37274572	(C/T)
8833	CakSNP8833	<i>Kabuli</i>	Ca_Kabuli_Chr05	37274583	(C/T)
8834	CakSNP8834	<i>Kabuli</i>	Ca_Kabuli_Chr05	37274616	(C/G)
8835	CakSNP8835	<i>Kabuli</i>	Ca_Kabuli_Chr05	37309917	(T/G)
8836	CakSNP8836	<i>Kabuli</i>	Ca_Kabuli_Chr05	37309935	(T/G)
8837	CakSNP8837	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332101	(G/T)
8838	CakSNP8838	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332198	(G/A)
8839	CakSNP8839	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332304	(G/A)
8840	CakSNP8840	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332303	(A/C)
8841	CakSNP8841	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332370	(T/C)
8842	CakSNP8842	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332441	(T/C)
8843	CakSNP8843	<i>Kabuli</i>	Ca_Kabuli_Chr05	37332501	(C/T)
8844	CakSNP8844	<i>Kabuli</i>	Ca_Kabuli_Chr05	37339022	(T/G)
8845	CakSNP8845	<i>Kabuli</i>	Ca_Kabuli_Chr05	37339358	(T/G)
8846	CakSNP8846	<i>Kabuli</i>	Ca_Kabuli_Chr05	37339327	(A/G)
8847	CakSNP8847	<i>Kabuli</i>	Ca_Kabuli_Chr05	37339300	(A/G)
8848	CakSNP8848	<i>Kabuli</i>	Ca_Kabuli_Chr05	37342358	(G/T)
8849	CakSNP8849	<i>Kabuli</i>	Ca_Kabuli_Chr05	37363626	(C/T)
8850	CakSNP8850	<i>Kabuli</i>	Ca_Kabuli_Chr05	37375575	(C/G)
8851	CakSNP8851	<i>Kabuli</i>	Ca_Kabuli_Chr05	37375620	(C/T)
8852	CakSNP8852	<i>Kabuli</i>	Ca_Kabuli_Chr05	37445226	(A/G)
8853	CakSNP8853	<i>Kabuli</i>	Ca_Kabuli_Chr05	37460980	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8854	CakSNP8854	<i>Kabuli</i>	Ca_Kabuli_Chr05	37468727	(T/C)
8855	CakSNP8855	<i>Kabuli</i>	Ca_Kabuli_Chr05	37468755	(G/A)
8856	CakSNP8856	<i>Kabuli</i>	Ca_Kabuli_Chr05	37555816	(T/A)
8857	CakSNP8857	<i>Kabuli</i>	Ca_Kabuli_Chr05	37555846	(T/A)
8858	CakSNP8858	<i>Kabuli</i>	Ca_Kabuli_Chr05	37578999	(T/G)
8859	CakSNP8859	<i>Kabuli</i>	Ca_Kabuli_Chr05	37591782	(A/T)
8860	CakSNP8860	<i>Kabuli</i>	Ca_Kabuli_Chr05	37593444	(A/T)
8861	CakSNP8861	<i>Kabuli</i>	Ca_Kabuli_Chr05	37594347	(T/C)
8862	CakSNP8862	<i>Kabuli</i>	Ca_Kabuli_Chr05	37604030	(T/C)
8863	CakSNP8863	<i>Kabuli</i>	Ca_Kabuli_Chr05	37604090	(G/T)
8864	CakSNP8864	<i>Kabuli</i>	Ca_Kabuli_Chr05	37604780	(C/T)
8865	CakSNP8865	<i>Kabuli</i>	Ca_Kabuli_Chr05	37796337	(T/G)
8866	CakSNP8866	<i>Kabuli</i>	Ca_Kabuli_Chr05	37798313	(T/G)
8867	CakSNP8867	<i>Kabuli</i>	Ca_Kabuli_Chr05	37868250	(C/T)
8868	CakSNP8868	<i>Kabuli</i>	Ca_Kabuli_Chr05	37868256	(T/A)
8869	CakSNP8869	<i>Kabuli</i>	Ca_Kabuli_Chr05	37869744	(T/C)
8870	CakSNP8870	<i>Kabuli</i>	Ca_Kabuli_Chr05	37872223	(C/G)
8871	CakSNP8871	<i>Kabuli</i>	Ca_Kabuli_Chr05	37874564	(T/A)
8872	CakSNP8872	<i>Kabuli</i>	Ca_Kabuli_Chr05	37874725	(A/C)
8873	CakSNP8873	<i>Kabuli</i>	Ca_Kabuli_Chr05	37874694	(C/T)
8874	CakSNP8874	<i>Kabuli</i>	Ca_Kabuli_Chr05	37886417	(T/G)
8875	CakSNP8875	<i>Kabuli</i>	Ca_Kabuli_Chr05	37899098	(T/C)
8876	CakSNP8876	<i>Kabuli</i>	Ca_Kabuli_Chr05	37899238	(T/C)
8877	CakSNP8877	<i>Kabuli</i>	Ca_Kabuli_Chr05	37908818	(A/C)
8878	CakSNP8878	<i>Kabuli</i>	Ca_Kabuli_Chr05	37908807	(A/T)
8879	CakSNP8879	<i>Kabuli</i>	Ca_Kabuli_Chr05	37911813	(A/C)
8880	CakSNP8880	<i>Kabuli</i>	Ca_Kabuli_Chr05	38018552	(A/T)
8881	CakSNP8881	<i>Kabuli</i>	Ca_Kabuli_Chr05	38018558	(G/C)
8882	CakSNP8882	<i>Kabuli</i>	Ca_Kabuli_Chr05	38057582	(C/T)
8883	CakSNP8883	<i>Kabuli</i>	Ca_Kabuli_Chr05	38080226	(A/G)
8884	CakSNP8884	<i>Kabuli</i>	Ca_Kabuli_Chr05	38080349	(C/T)
8885	CakSNP8885	<i>Kabuli</i>	Ca_Kabuli_Chr05	38092606	(G/A)
8886	CakSNP8886	<i>Kabuli</i>	Ca_Kabuli_Chr05	38092619	(T/C)
8887	CakSNP8887	<i>Kabuli</i>	Ca_Kabuli_Chr05	38092732	(C/T)
8888	CakSNP8888	<i>Kabuli</i>	Ca_Kabuli_Chr05	38092735	(C/T)
8889	CakSNP8889	<i>Kabuli</i>	Ca_Kabuli_Chr05	38092793	(C/T)
8890	CakSNP8890	<i>Kabuli</i>	Ca_Kabuli_Chr05	38102941	(T/G)
8891	CakSNP8891	<i>Kabuli</i>	Ca_Kabuli_Chr05	38108396	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8892	CakSNP8892	<i>Kabuli</i>	Ca_Kabuli_Chr05	38110219	(T/G)
8893	CakSNP8893	<i>Kabuli</i>	Ca_Kabuli_Chr05	38220843	(G/A)
8894	CakSNP8894	<i>Kabuli</i>	Ca_Kabuli_Chr05	38220908	(G/T)
8895	CakSNP8895	<i>Kabuli</i>	Ca_Kabuli_Chr05	38248895	(A/C)
8896	CakSNP8896	<i>Kabuli</i>	Ca_Kabuli_Chr05	38249134	(T/C)
8897	CakSNP8897	<i>Kabuli</i>	Ca_Kabuli_Chr05	38249132	(A/C)
8898	CakSNP8898	<i>Kabuli</i>	Ca_Kabuli_Chr05	38266153	(G/A)
8899	CakSNP8899	<i>Kabuli</i>	Ca_Kabuli_Chr05	38307036	(G/A)
8900	CakSNP8900	<i>Kabuli</i>	Ca_Kabuli_Chr05	38333718	(C/T)
8901	CakSNP8901	<i>Kabuli</i>	Ca_Kabuli_Chr05	38333746	(G/A)
8902	CakSNP8902	<i>Kabuli</i>	Ca_Kabuli_Chr05	38333774	(A/G)
8903	CakSNP8903	<i>Kabuli</i>	Ca_Kabuli_Chr05	38347201	(A/C)
8904	CakSNP8904	<i>Kabuli</i>	Ca_Kabuli_Chr05	38455563	(A/C)
8905	CakSNP8905	<i>Kabuli</i>	Ca_Kabuli_Chr05	38509657	(A/C)
8906	CakSNP8906	<i>Kabuli</i>	Ca_Kabuli_Chr05	38538904	(A/G)
8907	CakSNP8907	<i>Kabuli</i>	Ca_Kabuli_Chr05	38551438	(C/T)
8908	CakSNP8908	<i>Kabuli</i>	Ca_Kabuli_Chr05	38551381	(G/A)
8909	CakSNP8909	<i>Kabuli</i>	Ca_Kabuli_Chr05	38647040	(A/C)
8910	CakSNP8910	<i>Kabuli</i>	Ca_Kabuli_Chr05	38656599	(C/T)
8911	CakSNP8911	<i>Kabuli</i>	Ca_Kabuli_Chr05	38783604	(C/A)
8912	CakSNP8912	<i>Kabuli</i>	Ca_Kabuli_Chr05	38784078	(G/A)
8913	CakSNP8913	<i>Kabuli</i>	Ca_Kabuli_Chr05	38784074	(A/G)
8914	CakSNP8914	<i>Kabuli</i>	Ca_Kabuli_Chr05	38784150	(T/A)
8915	CakSNP8915	<i>Kabuli</i>	Ca_Kabuli_Chr05	38784129	(G/C)
8916	CakSNP8916	<i>Kabuli</i>	Ca_Kabuli_Chr05	38857904	(T/C)
8917	CakSNP8917	<i>Kabuli</i>	Ca_Kabuli_Chr05	38872143	(A/G)
8918	CakSNP8918	<i>Kabuli</i>	Ca_Kabuli_Chr05	38892604	(A/C)
8919	CakSNP8919	<i>Kabuli</i>	Ca_Kabuli_Chr05	38898971	(G/A)
8920	CakSNP8920	<i>Kabuli</i>	Ca_Kabuli_Chr05	38909701	(C/T)
8921	CakSNP8921	<i>Kabuli</i>	Ca_Kabuli_Chr05	38937304	(C/G)
8922	CakSNP8922	<i>Kabuli</i>	Ca_Kabuli_Chr05	38937398	(C/A)
8923	CakSNP8923	<i>Kabuli</i>	Ca_Kabuli_Chr05	38939578	(C/A)
8924	CakSNP8924	<i>Kabuli</i>	Ca_Kabuli_Chr05	38984762	(A/G)
8925	CakSNP8925	<i>Kabuli</i>	Ca_Kabuli_Chr05	38984769	(A/C)
8926	CakSNP8926	<i>Kabuli</i>	Ca_Kabuli_Chr05	38984776	(A/G)
8927	CakSNP8927	<i>Kabuli</i>	Ca_Kabuli_Chr05	39008980	(G/A)
8928	CakSNP8928	<i>Kabuli</i>	Ca_Kabuli_Chr05	39137170	(A/G)
8929	CakSNP8929	<i>Kabuli</i>	Ca_Kabuli_Chr05	39175007	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8930	CakSNP8930	<i>Kabuli</i>	Ca_Kabuli_Chr05	39176391	(T/A)
8931	CakSNP8931	<i>Kabuli</i>	Ca_Kabuli_Chr05	39266333	(T/C)
8932	CakSNP8932	<i>Kabuli</i>	Ca_Kabuli_Chr05	39277581	(T/C)
8933	CakSNP8933	<i>Kabuli</i>	Ca_Kabuli_Chr05	39283856	(G/A)
8934	CakSNP8934	<i>Kabuli</i>	Ca_Kabuli_Chr05	39326933	(G/T)
8935	CakSNP8935	<i>Kabuli</i>	Ca_Kabuli_Chr05	39353755	(T/G)
8936	CakSNP8936	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364522	(T/C)
8937	CakSNP8937	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364569	(G/A)
8938	CakSNP8938	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364571	(C/A)
8939	CakSNP8939	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364720	(A/T)
8940	CakSNP8940	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364700	(C/A)
8941	CakSNP8941	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364695	(A/C)
8942	CakSNP8942	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364667	(T/A)
8943	CakSNP8943	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364741	(A/T)
8944	CakSNP8944	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364752	(G/T)
8945	CakSNP8945	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364895	(A/C)
8946	CakSNP8946	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364856	(A/G)
8947	CakSNP8947	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364848	(C/T)
8948	CakSNP8948	<i>Kabuli</i>	Ca_Kabuli_Chr05	39364841	(A/T)
8949	CakSNP8949	<i>Kabuli</i>	Ca_Kabuli_Chr05	39366353	(C/G)
8950	CakSNP8950	<i>Kabuli</i>	Ca_Kabuli_Chr05	39385603	(T/G)
8951	CakSNP8951	<i>Kabuli</i>	Ca_Kabuli_Chr05	39385630	(C/T)
8952	CakSNP8952	<i>Kabuli</i>	Ca_Kabuli_Chr05	39410377	(T/G)
8953	CakSNP8953	<i>Kabuli</i>	Ca_Kabuli_Chr05	39410329	(T/G)
8954	CakSNP8954	<i>Kabuli</i>	Ca_Kabuli_Chr05	39460567	(A/C)
8955	CakSNP8955	<i>Kabuli</i>	Ca_Kabuli_Chr05	39475960	(T/C)
8956	CakSNP8956	<i>Kabuli</i>	Ca_Kabuli_Chr05	39476040	(T/G)
8957	CakSNP8957	<i>Kabuli</i>	Ca_Kabuli_Chr05	39498665	(G/A)
8958	CakSNP8958	<i>Kabuli</i>	Ca_Kabuli_Chr05	39513563	(C/A)
8959	CakSNP8959	<i>Kabuli</i>	Ca_Kabuli_Chr05	39543929	(C/T)
8960	CakSNP8960	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576823	(C/T)
8961	CakSNP8961	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576836	(T/A)
8962	CakSNP8962	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576839	(C/T)
8963	CakSNP8963	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576864	(C/A)
8964	CakSNP8964	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576870	(C/T)
8965	CakSNP8965	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576874	(G/T)
8966	CakSNP8966	<i>Kabuli</i>	Ca_Kabuli_Chr05	39576841	(G/A)
8967	CakSNP8967	<i>Kabuli</i>	Ca_Kabuli_Chr05	39592439	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8968	CakSNP8968	<i>Kabuli</i>	Ca_Kabuli_Chr05	39597485	(C/T)
8969	CakSNP8969	<i>Kabuli</i>	Ca_Kabuli_Chr05	39597459	(T/C)
8970	CakSNP8970	<i>Kabuli</i>	Ca_Kabuli_Chr05	39608204	(A/G)
8971	CakSNP8971	<i>Kabuli</i>	Ca_Kabuli_Chr05	39608209	(G/T)
8972	CakSNP8972	<i>Kabuli</i>	Ca_Kabuli_Chr05	39684480	(A/G)
8973	CakSNP8973	<i>Kabuli</i>	Ca_Kabuli_Chr05	39684592	(A/T)
8974	CakSNP8974	<i>Kabuli</i>	Ca_Kabuli_Chr05	39713021	(G/A)
8975	CakSNP8975	<i>Kabuli</i>	Ca_Kabuli_Chr05	39776794	(G/A)
8976	CakSNP8976	<i>Kabuli</i>	Ca_Kabuli_Chr05	39776795	(G/A)
8977	CakSNP8977	<i>Kabuli</i>	Ca_Kabuli_Chr05	39776818	(C/T)
8978	CakSNP8978	<i>Kabuli</i>	Ca_Kabuli_Chr05	39776850	(G/A)
8979	CakSNP8979	<i>Kabuli</i>	Ca_Kabuli_Chr05	39776869	(C/T)
8980	CakSNP8980	<i>Kabuli</i>	Ca_Kabuli_Chr05	39794718	(C/T)
8981	CakSNP8981	<i>Kabuli</i>	Ca_Kabuli_Chr05	39851570	(T/G)
8982	CakSNP8982	<i>Kabuli</i>	Ca_Kabuli_Chr05	39869398	(C/T)
8983	CakSNP8983	<i>Kabuli</i>	Ca_Kabuli_Chr05	39943298	(C/T)
8984	CakSNP8984	<i>Kabuli</i>	Ca_Kabuli_Chr05	39985042	(G/A)
8985	CakSNP8985	<i>Kabuli</i>	Ca_Kabuli_Chr05	39985332	(A/G)
8986	CakSNP8986	<i>Kabuli</i>	Ca_Kabuli_Chr05	40018264	(A/C)
8987	CakSNP8987	<i>Kabuli</i>	Ca_Kabuli_Chr05	40020062	(C/T)
8988	CakSNP8988	<i>Kabuli</i>	Ca_Kabuli_Chr05	40020073	(C/G)
8989	CakSNP8989	<i>Kabuli</i>	Ca_Kabuli_Chr05	40025250	(G/A)
8990	CakSNP8990	<i>Kabuli</i>	Ca_Kabuli_Chr05	40025319	(T/C)
8991	CakSNP8991	<i>Kabuli</i>	Ca_Kabuli_Chr05	40025326	(C/T)
8992	CakSNP8992	<i>Kabuli</i>	Ca_Kabuli_Chr05	40025376	(A/G)
8993	CakSNP8993	<i>Kabuli</i>	Ca_Kabuli_Chr05	40025377	(T/A)
8994	CakSNP8994	<i>Kabuli</i>	Ca_Kabuli_Chr05	40027707	(A/G)
8995	CakSNP8995	<i>Kabuli</i>	Ca_Kabuli_Chr05	40078085	(C/G)
8996	CakSNP8996	<i>Kabuli</i>	Ca_Kabuli_Chr05	40078077	(A/G)
8997	CakSNP8997	<i>Kabuli</i>	Ca_Kabuli_Chr05	40159260	(C/A)
8998	CakSNP8998	<i>Kabuli</i>	Ca_Kabuli_Chr05	40159348	(G/A)
8999	CakSNP8999	<i>Kabuli</i>	Ca_Kabuli_Chr05	40162755	(T/C)
9000	CakSNP9000	<i>Kabuli</i>	Ca_Kabuli_Chr05	40162995	(C/T)
9001	CakSNP9001	<i>Kabuli</i>	Ca_Kabuli_Chr05	40164176	(C/G)
9002	CakSNP9002	<i>Kabuli</i>	Ca_Kabuli_Chr05	40239397	(G/C)
9003	CakSNP9003	<i>Kabuli</i>	Ca_Kabuli_Chr05	40290082	(G/A)
9004	CakSNP9004	<i>Kabuli</i>	Ca_Kabuli_Chr05	40290066	(A/G)
9005	CakSNP9005	<i>Kabuli</i>	Ca_Kabuli_Chr05	40404136	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9006	CakSNP9006	<i>Kabuli</i>	Ca_Kabuli_Chr05	40404105	(G/C)
9007	CakSNP9007	<i>Kabuli</i>	Ca_Kabuli_Chr05	40410891	(C/A)
9008	CakSNP9008	<i>Kabuli</i>	Ca_Kabuli_Chr05	40410895	(G/T)
9009	CakSNP9009	<i>Kabuli</i>	Ca_Kabuli_Chr05	40411325	(G/C)
9010	CakSNP9010	<i>Kabuli</i>	Ca_Kabuli_Chr05	40464608	(A/G)
9011	CakSNP9011	<i>Kabuli</i>	Ca_Kabuli_Chr05	40505498	(T/G)
9012	CakSNP9012	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507018	(T/A)
9013	CakSNP9013	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507107	(A/G)
9014	CakSNP9014	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507116	(A/G)
9015	CakSNP9015	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507158	(A/G)
9016	CakSNP9016	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507653	(G/C)
9017	CakSNP9017	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507662	(C/T)
9018	CakSNP9018	<i>Kabuli</i>	Ca_Kabuli_Chr05	40507683	(G/T)
9019	CakSNP9019	<i>Kabuli</i>	Ca_Kabuli_Chr05	40532435	(A/G)
9020	CakSNP9020	<i>Kabuli</i>	Ca_Kabuli_Chr05	40543989	(G/T)
9021	CakSNP9021	<i>Kabuli</i>	Ca_Kabuli_Chr05	40553279	(C/G)
9022	CakSNP9022	<i>Kabuli</i>	Ca_Kabuli_Chr05	40631069	(G/C)
9023	CakSNP9023	<i>Kabuli</i>	Ca_Kabuli_Chr05	40666160	(T/A)
9024	CakSNP9024	<i>Kabuli</i>	Ca_Kabuli_Chr05	40666171	(T/C)
9025	CakSNP9025	<i>Kabuli</i>	Ca_Kabuli_Chr05	40666174	(C/T)
9026	CakSNP9026	<i>Kabuli</i>	Ca_Kabuli_Chr05	40673241	(A/G)
9027	CakSNP9027	<i>Kabuli</i>	Ca_Kabuli_Chr05	40700278	(C/G)
9028	CakSNP9028	<i>Kabuli</i>	Ca_Kabuli_Chr05	40700260	(T/C)
9029	CakSNP9029	<i>Kabuli</i>	Ca_Kabuli_Chr05	40700318	(C/A)
9030	CakSNP9030	<i>Kabuli</i>	Ca_Kabuli_Chr05	40700772	(C/T)
9031	CakSNP9031	<i>Kabuli</i>	Ca_Kabuli_Chr05	40736291	(C/G)
9032	CakSNP9032	<i>Kabuli</i>	Ca_Kabuli_Chr05	40828566	(A/C)
9033	CakSNP9033	<i>Kabuli</i>	Ca_Kabuli_Chr05	40828567	(G/C)
9034	CakSNP9034	<i>Kabuli</i>	Ca_Kabuli_Chr05	40841690	(C/T)
9035	CakSNP9035	<i>Kabuli</i>	Ca_Kabuli_Chr05	40845320	(C/T)
9036	CakSNP9036	<i>Kabuli</i>	Ca_Kabuli_Chr05	40883438	(C/A)
9037	CakSNP9037	<i>Kabuli</i>	Ca_Kabuli_Chr05	40955055	(A/T)
9038	CakSNP9038	<i>Kabuli</i>	Ca_Kabuli_Chr05	40966058	(G/A)
9039	CakSNP9039	<i>Kabuli</i>	Ca_Kabuli_Chr05	41024079	(A/G)
9040	CakSNP9040	<i>Kabuli</i>	Ca_Kabuli_Chr05	41024135	(C/G)
9041	CakSNP9041	<i>Kabuli</i>	Ca_Kabuli_Chr05	41024201	(G/A)
9042	CakSNP9042	<i>Kabuli</i>	Ca_Kabuli_Chr05	41054578	(A/G)
9043	CakSNP9043	<i>Kabuli</i>	Ca_Kabuli_Chr05	41055111	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9044	CakSNP9044	<i>Kabuli</i>	Ca_Kabuli_Chr05	41063657	(C/T)
9045	CakSNP9045	<i>Kabuli</i>	Ca_Kabuli_Chr05	41066644	(C/G)
9046	CakSNP9046	<i>Kabuli</i>	Ca_Kabuli_Chr05	41066664	(T/C)
9047	CakSNP9047	<i>Kabuli</i>	Ca_Kabuli_Chr05	41066667	(C/A)
9048	CakSNP9048	<i>Kabuli</i>	Ca_Kabuli_Chr05	41080035	(C/T)
9049	CakSNP9049	<i>Kabuli</i>	Ca_Kabuli_Chr05	41191566	(A/T)
9050	CakSNP9050	<i>Kabuli</i>	Ca_Kabuli_Chr05	41191676	(G/C)
9051	CakSNP9051	<i>Kabuli</i>	Ca_Kabuli_Chr05	41197909	(A/T)
9052	CakSNP9052	<i>Kabuli</i>	Ca_Kabuli_Chr05	41203594	(C/T)
9053	CakSNP9053	<i>Kabuli</i>	Ca_Kabuli_Chr05	41253742	(A/G)
9054	CakSNP9054	<i>Kabuli</i>	Ca_Kabuli_Chr05	41283253	(T/C)
9055	CakSNP9055	<i>Kabuli</i>	Ca_Kabuli_Chr05	41283453	(A/C)
9056	CakSNP9056	<i>Kabuli</i>	Ca_Kabuli_Chr05	41285223	(A/C)
9057	CakSNP9057	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302544	(C/G)
9058	CakSNP9058	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302601	(G/A)
9059	CakSNP9059	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302733	(T/C)
9060	CakSNP9060	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302804	(A/G)
9061	CakSNP9061	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302859	(C/A)
9062	CakSNP9062	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302901	(C/A)
9063	CakSNP9063	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302900	(T/A)
9064	CakSNP9064	<i>Kabuli</i>	Ca_Kabuli_Chr05	41302895	(G/A)
9065	CakSNP9065	<i>Kabuli</i>	Ca_Kabuli_Chr05	41304103	(G/A)
9066	CakSNP9066	<i>Kabuli</i>	Ca_Kabuli_Chr05	41399241	(C/T)
9067	CakSNP9067	<i>Kabuli</i>	Ca_Kabuli_Chr05	41407077	(A/C)
9068	CakSNP9068	<i>Kabuli</i>	Ca_Kabuli_Chr05	41407253	(T/C)
9069	CakSNP9069	<i>Kabuli</i>	Ca_Kabuli_Chr05	41519141	(C/T)
9070	CakSNP9070	<i>Kabuli</i>	Ca_Kabuli_Chr05	41521854	(T/G)
9071	CakSNP9071	<i>Kabuli</i>	Ca_Kabuli_Chr05	41526026	(T/G)
9072	CakSNP9072	<i>Kabuli</i>	Ca_Kabuli_Chr05	41635262	(C/T)
9073	CakSNP9073	<i>Kabuli</i>	Ca_Kabuli_Chr05	41678144	(C/T)
9074	CakSNP9074	<i>Kabuli</i>	Ca_Kabuli_Chr05	41696426	(T/C)
9075	CakSNP9075	<i>Kabuli</i>	Ca_Kabuli_Chr05	41696496	(G/C)
9076	CakSNP9076	<i>Kabuli</i>	Ca_Kabuli_Chr05	41701479	(T/C)
9077	CakSNP9077	<i>Kabuli</i>	Ca_Kabuli_Chr05	41772759	(G/A)
9078	CakSNP9078	<i>Kabuli</i>	Ca_Kabuli_Chr05	41887214	(A/T)
9079	CakSNP9079	<i>Kabuli</i>	Ca_Kabuli_Chr05	41902419	(A/C)
9080	CakSNP9080	<i>Kabuli</i>	Ca_Kabuli_Chr05	41945316	(A/G)
9081	CakSNP9081	<i>Kabuli</i>	Ca_Kabuli_Chr05	41945373	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9082	CakSNP9082	<i>Kabuli</i>	Ca_Kabuli_Chr05	41945308	(G/A)
9083	CakSNP9083	<i>Kabuli</i>	Ca_Kabuli_Chr05	41974690	(T/C)
9084	CakSNP9084	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004600	(T/G)
9085	CakSNP9085	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004602	(A/G)
9086	CakSNP9086	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004734	(G/A)
9087	CakSNP9087	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004742	(G/A)
9088	CakSNP9088	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004751	(G/A)
9089	CakSNP9089	<i>Kabuli</i>	Ca_Kabuli_Chr05	42004753	(C/A)
9090	CakSNP9090	<i>Kabuli</i>	Ca_Kabuli_Chr05	42008626	(A/C)
9091	CakSNP9091	<i>Kabuli</i>	Ca_Kabuli_Chr05	42012972	(C/A)
9092	CakSNP9092	<i>Kabuli</i>	Ca_Kabuli_Chr05	42012983	(G/A)
9093	CakSNP9093	<i>Kabuli</i>	Ca_Kabuli_Chr05	42012998	(C/T)
9094	CakSNP9094	<i>Kabuli</i>	Ca_Kabuli_Chr05	42020435	(A/G)
9095	CakSNP9095	<i>Kabuli</i>	Ca_Kabuli_Chr05	42100070	(A/G)
9096	CakSNP9096	<i>Kabuli</i>	Ca_Kabuli_Chr05	42117516	(C/T)
9097	CakSNP9097	<i>Kabuli</i>	Ca_Kabuli_Chr05	42120698	(T/C)
9098	CakSNP9098	<i>Kabuli</i>	Ca_Kabuli_Chr05	42120735	(G/C)
9099	CakSNP9099	<i>Kabuli</i>	Ca_Kabuli_Chr05	42121472	(C/A)
9100	CakSNP9100	<i>Kabuli</i>	Ca_Kabuli_Chr05	42225634	(G/A)
9101	CakSNP9101	<i>Kabuli</i>	Ca_Kabuli_Chr05	42275523	(G/A)
9102	CakSNP9102	<i>Kabuli</i>	Ca_Kabuli_Chr05	42282297	(G/A)
9103	CakSNP9103	<i>Kabuli</i>	Ca_Kabuli_Chr05	42413430	(A/C)
9104	CakSNP9104	<i>Kabuli</i>	Ca_Kabuli_Chr05	42422867	(C/A)
9105	CakSNP9105	<i>Kabuli</i>	Ca_Kabuli_Chr05	42422845	(T/C)
9106	CakSNP9106	<i>Kabuli</i>	Ca_Kabuli_Chr05	42422837	(G/A)
9107	CakSNP9107	<i>Kabuli</i>	Ca_Kabuli_Chr05	42422808	(A/G)
9108	CakSNP9108	<i>Kabuli</i>	Ca_Kabuli_Chr05	42422932	(C/A)
9109	CakSNP9109	<i>Kabuli</i>	Ca_Kabuli_Chr05	42435263	(C/T)
9110	CakSNP9110	<i>Kabuli</i>	Ca_Kabuli_Chr05	42436972	(A/G)
9111	CakSNP9111	<i>Kabuli</i>	Ca_Kabuli_Chr05	42436976	(A/T)
9112	CakSNP9112	<i>Kabuli</i>	Ca_Kabuli_Chr05	42443786	(A/G)
9113	CakSNP9113	<i>Kabuli</i>	Ca_Kabuli_Chr05	42477712	(G/A)
9114	CakSNP9114	<i>Kabuli</i>	Ca_Kabuli_Chr05	42485130	(T/C)
9115	CakSNP9115	<i>Kabuli</i>	Ca_Kabuli_Chr05	42528744	(T/G)
9116	CakSNP9116	<i>Kabuli</i>	Ca_Kabuli_Chr05	42528934	(A/G)
9117	CakSNP9117	<i>Kabuli</i>	Ca_Kabuli_Chr05	42540675	(A/T)
9118	CakSNP9118	<i>Kabuli</i>	Ca_Kabuli_Chr05	42582262	(T/A)
9119	CakSNP9119	<i>Kabuli</i>	Ca_Kabuli_Chr05	42655824	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9120	CakSNP9120	<i>Kabuli</i>	Ca_Kabuli_Chr05	42749499	(C/T)
9121	CakSNP9121	<i>Kabuli</i>	Ca_Kabuli_Chr05	42792635	(G/A)
9122	CakSNP9122	<i>Kabuli</i>	Ca_Kabuli_Chr05	42814621	(C/T)
9123	CakSNP9123	<i>Kabuli</i>	Ca_Kabuli_Chr05	42814623	(A/G)
9124	CakSNP9124	<i>Kabuli</i>	Ca_Kabuli_Chr05	42857977	(G/C)
9125	CakSNP9125	<i>Kabuli</i>	Ca_Kabuli_Chr05	42863366	(C/T)
9126	CakSNP9126	<i>Kabuli</i>	Ca_Kabuli_Chr05	42872074	(A/C)
9127	CakSNP9127	<i>Kabuli</i>	Ca_Kabuli_Chr05	42872091	(A/G)
9128	CakSNP9128	<i>Kabuli</i>	Ca_Kabuli_Chr05	42881185	(C/T)
9129	CakSNP9129	<i>Kabuli</i>	Ca_Kabuli_Chr05	42882945	(C/T)
9130	CakSNP9130	<i>Kabuli</i>	Ca_Kabuli_Chr05	42882965	(C/T)
9131	CakSNP9131	<i>Kabuli</i>	Ca_Kabuli_Chr05	42883163	(T/C)
9132	CakSNP9132	<i>Kabuli</i>	Ca_Kabuli_Chr05	42910653	(A/G)
9133	CakSNP9133	<i>Kabuli</i>	Ca_Kabuli_Chr05	42910661	(A/G)
9134	CakSNP9134	<i>Kabuli</i>	Ca_Kabuli_Chr05	42910732	(A/T)
9135	CakSNP9135	<i>Kabuli</i>	Ca_Kabuli_Chr05	42924113	(C/T)
9136	CakSNP9136	<i>Kabuli</i>	Ca_Kabuli_Chr05	42928986	(T/G)
9137	CakSNP9137	<i>Kabuli</i>	Ca_Kabuli_Chr05	42929087	(A/C)
9138	CakSNP9138	<i>Kabuli</i>	Ca_Kabuli_Chr05	42946580	(T/C)
9139	CakSNP9139	<i>Kabuli</i>	Ca_Kabuli_Chr05	42946716	(A/T)
9140	CakSNP9140	<i>Kabuli</i>	Ca_Kabuli_Chr05	42999704	(C/T)
9141	CakSNP9141	<i>Kabuli</i>	Ca_Kabuli_Chr05	43000210	(A/G)
9142	CakSNP9142	<i>Kabuli</i>	Ca_Kabuli_Chr05	43034618	(T/A)
9143	CakSNP9143	<i>Kabuli</i>	Ca_Kabuli_Chr05	43037863	(G/A)
9144	CakSNP9144	<i>Kabuli</i>	Ca_Kabuli_Chr05	43060091	(C/T)
9145	CakSNP9145	<i>Kabuli</i>	Ca_Kabuli_Chr05	43067894	(T/C)
9146	CakSNP9146	<i>Kabuli</i>	Ca_Kabuli_Chr05	43067891	(G/C)
9147	CakSNP9147	<i>Kabuli</i>	Ca_Kabuli_Chr05	43067905	(A/C)
9148	CakSNP9148	<i>Kabuli</i>	Ca_Kabuli_Chr05	43080493	(G/A)
9149	CakSNP9149	<i>Kabuli</i>	Ca_Kabuli_Chr05	43081783	(G/A)
9150	CakSNP9150	<i>Kabuli</i>	Ca_Kabuli_Chr05	43110660	(G/A)
9151	CakSNP9151	<i>Kabuli</i>	Ca_Kabuli_Chr05	43110669	(A/T)
9152	CakSNP9152	<i>Kabuli</i>	Ca_Kabuli_Chr05	43110726	(T/G)
9153	CakSNP9153	<i>Kabuli</i>	Ca_Kabuli_Chr05	43110737	(A/G)
9154	CakSNP9154	<i>Kabuli</i>	Ca_Kabuli_Chr05	43175781	(G/A)
9155	CakSNP9155	<i>Kabuli</i>	Ca_Kabuli_Chr05	43188824	(T/G)
9156	CakSNP9156	<i>Kabuli</i>	Ca_Kabuli_Chr05	43188853	(C/A)
9157	CakSNP9157	<i>Kabuli</i>	Ca_Kabuli_Chr05	43210793	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9158	CakSNP9158	<i>Kabuli</i>	Ca_Kabuli_Chr05	43212083	(G/A)
9159	CakSNP9159	<i>Kabuli</i>	Ca_Kabuli_Chr05	43212066	(C/T)
9160	CakSNP9160	<i>Kabuli</i>	Ca_Kabuli_Chr05	43221125	(T/C)
9161	CakSNP9161	<i>Kabuli</i>	Ca_Kabuli_Chr05	43231220	(T/C)
9162	CakSNP9162	<i>Kabuli</i>	Ca_Kabuli_Chr05	43231265	(C/T)
9163	CakSNP9163	<i>Kabuli</i>	Ca_Kabuli_Chr05	43253586	(C/A)
9164	CakSNP9164	<i>Kabuli</i>	Ca_Kabuli_Chr05	43275472	(T/C)
9165	CakSNP9165	<i>Kabuli</i>	Ca_Kabuli_Chr05	43334903	(T/C)
9166	CakSNP9166	<i>Kabuli</i>	Ca_Kabuli_Chr05	43341646	(A/C)
9167	CakSNP9167	<i>Kabuli</i>	Ca_Kabuli_Chr05	43402230	(C/T)
9168	CakSNP9168	<i>Kabuli</i>	Ca_Kabuli_Chr05	43410326	(T/G)
9169	CakSNP9169	<i>Kabuli</i>	Ca_Kabuli_Chr05	43423593	(G/C)
9170	CakSNP9170	<i>Kabuli</i>	Ca_Kabuli_Chr05	43521774	(A/T)
9171	CakSNP9171	<i>Kabuli</i>	Ca_Kabuli_Chr05	43521789	(G/A)
9172	CakSNP9172	<i>Kabuli</i>	Ca_Kabuli_Chr05	43521830	(T/C)
9173	CakSNP9173	<i>Kabuli</i>	Ca_Kabuli_Chr05	43521851	(G/A)
9174	CakSNP9174	<i>Kabuli</i>	Ca_Kabuli_Chr05	43523560	(A/G)
9175	CakSNP9175	<i>Kabuli</i>	Ca_Kabuli_Chr05	43530567	(C/T)
9176	CakSNP9176	<i>Kabuli</i>	Ca_Kabuli_Chr05	43565712	(T/C)
9177	CakSNP9177	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632249	(C/A)
9178	CakSNP9178	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632281	(C/G)
9179	CakSNP9179	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632349	(T/A)
9180	CakSNP9180	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632400	(A/G)
9181	CakSNP9181	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632377	(C/T)
9182	CakSNP9182	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632481	(G/T)
9183	CakSNP9183	<i>Kabuli</i>	Ca_Kabuli_Chr05	43632508	(A/G)
9184	CakSNP9184	<i>Kabuli</i>	Ca_Kabuli_Chr05	43710359	(T/G)
9185	CakSNP9185	<i>Kabuli</i>	Ca_Kabuli_Chr05	43710362	(A/T)
9186	CakSNP9186	<i>Kabuli</i>	Ca_Kabuli_Chr05	43710366	(G/T)
9187	CakSNP9187	<i>Kabuli</i>	Ca_Kabuli_Chr05	43710391	(A/G)
9188	CakSNP9188	<i>Kabuli</i>	Ca_Kabuli_Chr05	43742448	(C/T)
9189	CakSNP9189	<i>Kabuli</i>	Ca_Kabuli_Chr05	43742456	(G/A)
9190	CakSNP9190	<i>Kabuli</i>	Ca_Kabuli_Chr05	43755074	(A/G)
9191	CakSNP9191	<i>Kabuli</i>	Ca_Kabuli_Chr05	43755756	(A/G)
9192	CakSNP9192	<i>Kabuli</i>	Ca_Kabuli_Chr05	43759059	(A/C)
9193	CakSNP9193	<i>Kabuli</i>	Ca_Kabuli_Chr05	43786883	(A/G)
9194	CakSNP9194	<i>Kabuli</i>	Ca_Kabuli_Chr05	43789875	(C/G)
9195	CakSNP9195	<i>Kabuli</i>	Ca_Kabuli_Chr05	43790108	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9196	CakSNP9196	<i>Kabuli</i>	Ca_Kabuli_Chr05	43812119	(G/A)
9197	CakSNP9197	<i>Kabuli</i>	Ca_Kabuli_Chr05	43812213	(C/T)
9198	CakSNP9198	<i>Kabuli</i>	Ca_Kabuli_Chr05	43859301	(G/A)
9199	CakSNP9199	<i>Kabuli</i>	Ca_Kabuli_Chr05	43904489	(T/A)
9200	CakSNP9200	<i>Kabuli</i>	Ca_Kabuli_Chr05	43919009	(C/T)
9201	CakSNP9201	<i>Kabuli</i>	Ca_Kabuli_Chr05	43919017	(T/G)
9202	CakSNP9202	<i>Kabuli</i>	Ca_Kabuli_Chr05	43919022	(G/C)
9203	CakSNP9203	<i>Kabuli</i>	Ca_Kabuli_Chr05	43919028	(A/G)
9204	CakSNP9204	<i>Kabuli</i>	Ca_Kabuli_Chr05	43982994	(C/T)
9205	CakSNP9205	<i>Kabuli</i>	Ca_Kabuli_Chr05	43995843	(T/C)
9206	CakSNP9206	<i>Kabuli</i>	Ca_Kabuli_Chr05	44002824	(T/G)
9207	CakSNP9207	<i>Kabuli</i>	Ca_Kabuli_Chr05	44002862	(C/A)
9208	CakSNP9208	<i>Kabuli</i>	Ca_Kabuli_Chr05	44038229	(T/C)
9209	CakSNP9209	<i>Kabuli</i>	Ca_Kabuli_Chr05	44064495	(G/A)
9210	CakSNP9210	<i>Kabuli</i>	Ca_Kabuli_Chr05	44080450	(G/C)
9211	CakSNP9211	<i>Kabuli</i>	Ca_Kabuli_Chr05	44109260	(G/T)
9212	CakSNP9212	<i>Kabuli</i>	Ca_Kabuli_Chr05	44154671	(A/G)
9213	CakSNP9213	<i>Kabuli</i>	Ca_Kabuli_Chr05	44159237	(C/G)
9214	CakSNP9214	<i>Kabuli</i>	Ca_Kabuli_Chr05	44289612	(T/C)
9215	CakSNP9215	<i>Kabuli</i>	Ca_Kabuli_Chr05	44334286	(C/G)
9216	CakSNP9216	<i>Kabuli</i>	Ca_Kabuli_Chr05	44334318	(C/T)
9217	CakSNP9217	<i>Kabuli</i>	Ca_Kabuli_Chr05	44364134	(C/T)
9218	CakSNP9218	<i>Kabuli</i>	Ca_Kabuli_Chr05	44373968	(G/T)
9219	CakSNP9219	<i>Kabuli</i>	Ca_Kabuli_Chr05	44378178	(C/A)
9220	CakSNP9220	<i>Kabuli</i>	Ca_Kabuli_Chr05	44428965	(G/A)
9221	CakSNP9221	<i>Kabuli</i>	Ca_Kabuli_Chr05	44461250	(A/G)
9222	CakSNP9222	<i>Kabuli</i>	Ca_Kabuli_Chr05	44491489	(G/T)
9223	CakSNP9223	<i>Kabuli</i>	Ca_Kabuli_Chr05	44555718	(A/C)
9224	CakSNP9224	<i>Kabuli</i>	Ca_Kabuli_Chr05	44561095	(T/C)
9225	CakSNP9225	<i>Kabuli</i>	Ca_Kabuli_Chr05	44656921	(G/A)
9226	CakSNP9226	<i>Kabuli</i>	Ca_Kabuli_Chr05	44667285	(C/T)
9227	CakSNP9227	<i>Kabuli</i>	Ca_Kabuli_Chr05	44667297	(C/T)
9228	CakSNP9228	<i>Kabuli</i>	Ca_Kabuli_Chr05	44667359	(C/A)
9229	CakSNP9229	<i>Kabuli</i>	Ca_Kabuli_Chr05	44760403	(A/G)
9230	CakSNP9230	<i>Kabuli</i>	Ca_Kabuli_Chr05	44760347	(G/T)
9231	CakSNP9231	<i>Kabuli</i>	Ca_Kabuli_Chr05	44760469	(C/T)
9232	CakSNP9232	<i>Kabuli</i>	Ca_Kabuli_Chr05	44760490	(C/A)
9233	CakSNP9233	<i>Kabuli</i>	Ca_Kabuli_Chr05	44772326	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9234	CakSNP9234	<i>Kabuli</i>	Ca_Kabuli_Chr05	44884779	(G/C)
9235	CakSNP9235	<i>Kabuli</i>	Ca_Kabuli_Chr05	44887105	(T/G)
9236	CakSNP9236	<i>Kabuli</i>	Ca_Kabuli_Chr05	44887241	(T/C)
9237	CakSNP9237	<i>Kabuli</i>	Ca_Kabuli_Chr05	44887234	(A/C)
9238	CakSNP9238	<i>Kabuli</i>	Ca_Kabuli_Chr05	44891426	(G/C)
9239	CakSNP9239	<i>Kabuli</i>	Ca_Kabuli_Chr05	44911842	(C/T)
9240	CakSNP9240	<i>Kabuli</i>	Ca_Kabuli_Chr05	44911868	(C/G)
9241	CakSNP9241	<i>Kabuli</i>	Ca_Kabuli_Chr05	44911881	(G/A)
9242	CakSNP9242	<i>Kabuli</i>	Ca_Kabuli_Chr05	44911906	(C/T)
9243	CakSNP9243	<i>Kabuli</i>	Ca_Kabuli_Chr05	44918947	(C/A)
9244	CakSNP9244	<i>Kabuli</i>	Ca_Kabuli_Chr05	44938814	(A/T)
9245	CakSNP9245	<i>Kabuli</i>	Ca_Kabuli_Chr05	44938832	(A/G)
9246	CakSNP9246	<i>Kabuli</i>	Ca_Kabuli_Chr05	44939058	(C/G)
9247	CakSNP9247	<i>Kabuli</i>	Ca_Kabuli_Chr05	44939033	(G/A)
9248	CakSNP9248	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087170	(G/A)
9249	CakSNP9249	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087156	(A/G)
9250	CakSNP9250	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087146	(C/G)
9251	CakSNP9251	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087140	(C/A)
9252	CakSNP9252	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087202	(G/C)
9253	CakSNP9253	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087267	(A/G)
9254	CakSNP9254	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087228	(A/C)
9255	CakSNP9255	<i>Kabuli</i>	Ca_Kabuli_Chr05	45087215	(G/A)
9256	CakSNP9256	<i>Kabuli</i>	Ca_Kabuli_Chr05	45215617	(G/A)
9257	CakSNP9257	<i>Kabuli</i>	Ca_Kabuli_Chr05	45219125	(C/T)
9258	CakSNP9258	<i>Kabuli</i>	Ca_Kabuli_Chr05	45219258	(G/T)
9259	CakSNP9259	<i>Kabuli</i>	Ca_Kabuli_Chr05	45219355	(T/G)
9260	CakSNP9260	<i>Kabuli</i>	Ca_Kabuli_Chr05	45254102	(C/T)
9261	CakSNP9261	<i>Kabuli</i>	Ca_Kabuli_Chr05	45254112	(T/G)
9262	CakSNP9262	<i>Kabuli</i>	Ca_Kabuli_Chr05	45301772	(T/G)
9263	CakSNP9263	<i>Kabuli</i>	Ca_Kabuli_Chr05	45337274	(C/G)
9264	CakSNP9264	<i>Kabuli</i>	Ca_Kabuli_Chr05	45337307	(C/T)
9265	CakSNP9265	<i>Kabuli</i>	Ca_Kabuli_Chr05	45406853	(C/T)
9266	CakSNP9266	<i>Kabuli</i>	Ca_Kabuli_Chr05	45407063	(G/A)
9267	CakSNP9267	<i>Kabuli</i>	Ca_Kabuli_Chr05	45407044	(A/C)
9268	CakSNP9268	<i>Kabuli</i>	Ca_Kabuli_Chr05	45414089	(C/G)
9269	CakSNP9269	<i>Kabuli</i>	Ca_Kabuli_Chr05	45428229	(A/G)
9270	CakSNP9270	<i>Kabuli</i>	Ca_Kabuli_Chr05	45429513	(A/G)
9271	CakSNP9271	<i>Kabuli</i>	Ca_Kabuli_Chr05	45429518	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9272	CakSNP9272	<i>Kabuli</i>	Ca_Kabuli_Chr05	45441223	(C/T)
9273	CakSNP9273	<i>Kabuli</i>	Ca_Kabuli_Chr05	45444675	(G/T)
9274	CakSNP9274	<i>Kabuli</i>	Ca_Kabuli_Chr05	45444924	(G/T)
9275	CakSNP9275	<i>Kabuli</i>	Ca_Kabuli_Chr05	45480175	(T/G)
9276	CakSNP9276	<i>Kabuli</i>	Ca_Kabuli_Chr05	45501379	(C/T)
9277	CakSNP9277	<i>Kabuli</i>	Ca_Kabuli_Chr05	45540473	(G/A)
9278	CakSNP9278	<i>Kabuli</i>	Ca_Kabuli_Chr05	45559874	(C/A)
9279	CakSNP9279	<i>Kabuli</i>	Ca_Kabuli_Chr05	45601196	(A/G)
9280	CakSNP9280	<i>Kabuli</i>	Ca_Kabuli_Chr05	45601313	(G/A)
9281	CakSNP9281	<i>Kabuli</i>	Ca_Kabuli_Chr05	45642344	(C/A)
9282	CakSNP9282	<i>Kabuli</i>	Ca_Kabuli_Chr05	45646235	(A/G)
9283	CakSNP9283	<i>Kabuli</i>	Ca_Kabuli_Chr05	45649180	(G/A)
9284	CakSNP9284	<i>Kabuli</i>	Ca_Kabuli_Chr05	45649189	(G/A)
9285	CakSNP9285	<i>Kabuli</i>	Ca_Kabuli_Chr05	45661109	(T/C)
9286	CakSNP9286	<i>Kabuli</i>	Ca_Kabuli_Chr05	45694453	(T/G)
9287	CakSNP9287	<i>Kabuli</i>	Ca_Kabuli_Chr05	45710509	(G/A)
9288	CakSNP9288	<i>Kabuli</i>	Ca_Kabuli_Chr05	45710476	(A/G)
9289	CakSNP9289	<i>Kabuli</i>	Ca_Kabuli_Chr05	45726539	(T/A)
9290	CakSNP9290	<i>Kabuli</i>	Ca_Kabuli_Chr05	45726995	(C/T)
9291	CakSNP9291	<i>Kabuli</i>	Ca_Kabuli_Chr05	45727022	(T/C)
9292	CakSNP9292	<i>Kabuli</i>	Ca_Kabuli_Chr05	45750121	(A/T)
9293	CakSNP9293	<i>Kabuli</i>	Ca_Kabuli_Chr05	45798850	(C/A)
9294	CakSNP9294	<i>Kabuli</i>	Ca_Kabuli_Chr05	45798966	(T/G)
9295	CakSNP9295	<i>Kabuli</i>	Ca_Kabuli_Chr05	45798950	(C/T)
9296	CakSNP9296	<i>Kabuli</i>	Ca_Kabuli_Chr05	45798919	(C/A)
9297	CakSNP9297	<i>Kabuli</i>	Ca_Kabuli_Chr05	45808905	(G/A)
9298	CakSNP9298	<i>Kabuli</i>	Ca_Kabuli_Chr05	45832009	(T/G)
9299	CakSNP9299	<i>Kabuli</i>	Ca_Kabuli_Chr05	45832048	(C/G)
9300	CakSNP9300	<i>Kabuli</i>	Ca_Kabuli_Chr05	45832070	(A/T)
9301	CakSNP9301	<i>Kabuli</i>	Ca_Kabuli_Chr05	45842438	(A/C)
9302	CakSNP9302	<i>Kabuli</i>	Ca_Kabuli_Chr05	45845081	(A/C)
9303	CakSNP9303	<i>Kabuli</i>	Ca_Kabuli_Chr05	45848030	(A/G)
9304	CakSNP9304	<i>Kabuli</i>	Ca_Kabuli_Chr05	45848087	(T/G)
9305	CakSNP9305	<i>Kabuli</i>	Ca_Kabuli_Chr05	45952107	(A/G)
9306	CakSNP9306	<i>Kabuli</i>	Ca_Kabuli_Chr05	45952842	(A/C)
9307	CakSNP9307	<i>Kabuli</i>	Ca_Kabuli_Chr05	45971560	(G/A)
9308	CakSNP9308	<i>Kabuli</i>	Ca_Kabuli_Chr05	45978758	(A/G)
9309	CakSNP9309	<i>Kabuli</i>	Ca_Kabuli_Chr05	46002514	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9310	CakSNP9310	<i>Kabuli</i>	Ca_Kabuli_Chr05	46002497	(G/A)
9311	CakSNP9311	<i>Kabuli</i>	Ca_Kabuli_Chr05	46018939	(C/T)
9312	CakSNP9312	<i>Kabuli</i>	Ca_Kabuli_Chr05	46019052	(T/A)
9313	CakSNP9313	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022566	(C/T)
9314	CakSNP9314	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022598	(T/C)
9315	CakSNP9315	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022551	(G/A)
9316	CakSNP9316	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022549	(G/A)
9317	CakSNP9317	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022547	(G/A)
9318	CakSNP9318	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022544	(A/G)
9319	CakSNP9319	<i>Kabuli</i>	Ca_Kabuli_Chr05	46022531	(T/A)
9320	CakSNP9320	<i>Kabuli</i>	Ca_Kabuli_Chr05	46049587	(A/G)
9321	CakSNP9321	<i>Kabuli</i>	Ca_Kabuli_Chr05	46050168	(A/T)
9322	CakSNP9322	<i>Kabuli</i>	Ca_Kabuli_Chr05	46077190	(T/C)
9323	CakSNP9323	<i>Kabuli</i>	Ca_Kabuli_Chr05	46077302	(G/A)
9324	CakSNP9324	<i>Kabuli</i>	Ca_Kabuli_Chr05	46083283	(G/A)
9325	CakSNP9325	<i>Kabuli</i>	Ca_Kabuli_Chr05	46083343	(T/G)
9326	CakSNP9326	<i>Kabuli</i>	Ca_Kabuli_Chr05	46083414	(T/G)
9327	CakSNP9327	<i>Kabuli</i>	Ca_Kabuli_Chr05	46119122	(G/A)
9328	CakSNP9328	<i>Kabuli</i>	Ca_Kabuli_Chr05	46119182	(A/G)
9329	CakSNP9329	<i>Kabuli</i>	Ca_Kabuli_Chr05	46130289	(A/C)
9330	CakSNP9330	<i>Kabuli</i>	Ca_Kabuli_Chr05	46155262	(C/T)
9331	CakSNP9331	<i>Kabuli</i>	Ca_Kabuli_Chr05	46176366	(T/C)
9332	CakSNP9332	<i>Kabuli</i>	Ca_Kabuli_Chr05	46176443	(G/A)
9333	CakSNP9333	<i>Kabuli</i>	Ca_Kabuli_Chr05	46214229	(G/T)
9334	CakSNP9334	<i>Kabuli</i>	Ca_Kabuli_Chr05	46214233	(C/T)
9335	CakSNP9335	<i>Kabuli</i>	Ca_Kabuli_Chr05	46230010	(G/C)
9336	CakSNP9336	<i>Kabuli</i>	Ca_Kabuli_Chr05	46230011	(G/A)
9337	CakSNP9337	<i>Kabuli</i>	Ca_Kabuli_Chr05	46230109	(T/G)
9338	CakSNP9338	<i>Kabuli</i>	Ca_Kabuli_Chr05	46246419	(G/C)
9339	CakSNP9339	<i>Kabuli</i>	Ca_Kabuli_Chr05	46252617	(C/T)
9340	CakSNP9340	<i>Kabuli</i>	Ca_Kabuli_Chr05	46252643	(T/A)
9341	CakSNP9341	<i>Kabuli</i>	Ca_Kabuli_Chr05	46252605	(C/A)
9342	CakSNP9342	<i>Kabuli</i>	Ca_Kabuli_Chr05	46260822	(C/T)
9343	CakSNP9343	<i>Kabuli</i>	Ca_Kabuli_Chr05	46294000	(G/A)
9344	CakSNP9344	<i>Kabuli</i>	Ca_Kabuli_Chr05	46300789	(G/A)
9345	CakSNP9345	<i>Kabuli</i>	Ca_Kabuli_Chr05	46301639	(A/G)
9346	CakSNP9346	<i>Kabuli</i>	Ca_Kabuli_Chr05	46321992	(C/T)
9347	CakSNP9347	<i>Kabuli</i>	Ca_Kabuli_Chr05	46328589	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9348	CakSNP9348	<i>Kabuli</i>	Ca_Kabuli_Chr05	46328627	(A/G)
9349	CakSNP9349	<i>Kabuli</i>	Ca_Kabuli_Chr05	46328895	(T/C)
9350	CakSNP9350	<i>Kabuli</i>	Ca_Kabuli_Chr05	46328902	(C/T)
9351	CakSNP9351	<i>Kabuli</i>	Ca_Kabuli_Chr05	46344109	(G/T)
9352	CakSNP9352	<i>Kabuli</i>	Ca_Kabuli_Chr05	46344121	(G/A)
9353	CakSNP9353	<i>Kabuli</i>	Ca_Kabuli_Chr05	46356764	(G/A)
9354	CakSNP9354	<i>Kabuli</i>	Ca_Kabuli_Chr05	46366598	(G/T)
9355	CakSNP9355	<i>Kabuli</i>	Ca_Kabuli_Chr05	46368606	(G/T)
9356	CakSNP9356	<i>Kabuli</i>	Ca_Kabuli_Chr05	46376496	(G/T)
9357	CakSNP9357	<i>Kabuli</i>	Ca_Kabuli_Chr05	46376532	(A/C)
9358	CakSNP9358	<i>Kabuli</i>	Ca_Kabuli_Chr05	46403922	(G/T)
9359	CakSNP9359	<i>Kabuli</i>	Ca_Kabuli_Chr05	46422788	(C/G)
9360	CakSNP9360	<i>Kabuli</i>	Ca_Kabuli_Chr05	46422869	(A/T)
9361	CakSNP9361	<i>Kabuli</i>	Ca_Kabuli_Chr05	46445611	(A/T)
9362	CakSNP9362	<i>Kabuli</i>	Ca_Kabuli_Chr05	46445651	(G/T)
9363	CakSNP9363	<i>Kabuli</i>	Ca_Kabuli_Chr05	46491761	(C/G)
9364	CakSNP9364	<i>Kabuli</i>	Ca_Kabuli_Chr05	46526963	(A/C)
9365	CakSNP9365	<i>Kabuli</i>	Ca_Kabuli_Chr05	46621351	(G/A)
9366	CakSNP9366	<i>Kabuli</i>	Ca_Kabuli_Chr05	46621455	(C/T)
9367	CakSNP9367	<i>Kabuli</i>	Ca_Kabuli_Chr05	46668462	(T/C)
9368	CakSNP9368	<i>Kabuli</i>	Ca_Kabuli_Chr05	46792131	(C/T)
9369	CakSNP9369	<i>Kabuli</i>	Ca_Kabuli_Chr05	46945916	(G/A)
9370	CakSNP9370	<i>Kabuli</i>	Ca_Kabuli_Chr05	46956474	(T/C)
9371	CakSNP9371	<i>Kabuli</i>	Ca_Kabuli_Chr05	47061531	(C/T)
9372	CakSNP9372	<i>Kabuli</i>	Ca_Kabuli_Chr05	47073011	(A/T)
9373	CakSNP9373	<i>Kabuli</i>	Ca_Kabuli_Chr05	47073016	(G/C)
9374	CakSNP9374	<i>Kabuli</i>	Ca_Kabuli_Chr05	47091499	(C/T)
9375	CakSNP9375	<i>Kabuli</i>	Ca_Kabuli_Chr05	47151660	(C/G)
9376	CakSNP9376	<i>Kabuli</i>	Ca_Kabuli_Chr05	47151840	(T/G)
9377	CakSNP9377	<i>Kabuli</i>	Ca_Kabuli_Chr05	47165299	(A/C)
9378	CakSNP9378	<i>Kabuli</i>	Ca_Kabuli_Chr05	47256002	(G/T)
9379	CakSNP9379	<i>Kabuli</i>	Ca_Kabuli_Chr05	47256038	(A/T)
9380	CakSNP9380	<i>Kabuli</i>	Ca_Kabuli_Chr05	47289004	(A/C)
9381	CakSNP9381	<i>Kabuli</i>	Ca_Kabuli_Chr05	47298345	(A/G)
9382	CakSNP9382	<i>Kabuli</i>	Ca_Kabuli_Chr05	47329979	(T/G)
9383	CakSNP9383	<i>Kabuli</i>	Ca_Kabuli_Chr05	47362666	(T/G)
9384	CakSNP9384	<i>Kabuli</i>	Ca_Kabuli_Chr05	47362814	(C/T)
9385	CakSNP9385	<i>Kabuli</i>	Ca_Kabuli_Chr05	47375789	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9386	CakSNP9386	<i>Kabuli</i>	Ca_Kabuli_Chr05	47422536	(G/A)
9387	CakSNP9387	<i>Kabuli</i>	Ca_Kabuli_Chr05	47518533	(G/A)
9388	CakSNP9388	<i>Kabuli</i>	Ca_Kabuli_Chr05	47539345	(T/C)
9389	CakSNP9389	<i>Kabuli</i>	Ca_Kabuli_Chr05	47539505	(G/T)
9390	CakSNP9390	<i>Kabuli</i>	Ca_Kabuli_Chr05	47570939	(T/C)
9391	CakSNP9391	<i>Kabuli</i>	Ca_Kabuli_Chr05	47591327	(G/T)
9392	CakSNP9392	<i>Kabuli</i>	Ca_Kabuli_Chr05	47594471	(T/C)
9393	CakSNP9393	<i>Kabuli</i>	Ca_Kabuli_Chr05	47641224	(A/C)
9394	CakSNP9394	<i>Kabuli</i>	Ca_Kabuli_Chr05	47641472	(T/C)
9395	CakSNP9395	<i>Kabuli</i>	Ca_Kabuli_Chr05	47641628	(T/C)
9396	CakSNP9396	<i>Kabuli</i>	Ca_Kabuli_Chr05	47641567	(A/G)
9397	CakSNP9397	<i>Kabuli</i>	Ca_Kabuli_Chr05	47643992	(G/T)
9398	CakSNP9398	<i>Kabuli</i>	Ca_Kabuli_Chr05	47669124	(A/G)
9399	CakSNP9399	<i>Kabuli</i>	Ca_Kabuli_Chr05	47670649	(G/A)
9400	CakSNP9400	<i>Kabuli</i>	Ca_Kabuli_Chr05	47706780	(G/A)
9401	CakSNP9401	<i>Kabuli</i>	Ca_Kabuli_Chr05	47718830	(A/G)
9402	CakSNP9402	<i>Kabuli</i>	Ca_Kabuli_Chr05	47718839	(A/G)
9403	CakSNP9403	<i>Kabuli</i>	Ca_Kabuli_Chr05	47733645	(A/G)
9404	CakSNP9404	<i>Kabuli</i>	Ca_Kabuli_Chr05	47759169	(T/G)
9405	CakSNP9405	<i>Kabuli</i>	Ca_Kabuli_Chr05	47759745	(G/A)
9406	CakSNP9406	<i>Kabuli</i>	Ca_Kabuli_Chr05	47761348	(A/G)
9407	CakSNP9407	<i>Kabuli</i>	Ca_Kabuli_Chr05	47761322	(C/A)
9408	CakSNP9408	<i>Kabuli</i>	Ca_Kabuli_Chr05	47770909	(T/G)
9409	CakSNP9409	<i>Kabuli</i>	Ca_Kabuli_Chr05	47774516	(A/G)
9410	CakSNP9410	<i>Kabuli</i>	Ca_Kabuli_Chr05	47774559	(C/T)
9411	CakSNP9411	<i>Kabuli</i>	Ca_Kabuli_Chr05	47774718	(C/G)
9412	CakSNP9412	<i>Kabuli</i>	Ca_Kabuli_Chr05	47775175	(C/T)
9413	CakSNP9413	<i>Kabuli</i>	Ca_Kabuli_Chr05	47782605	(G/A)
9414	CakSNP9414	<i>Kabuli</i>	Ca_Kabuli_Chr05	47782606	(C/T)
9415	CakSNP9415	<i>Kabuli</i>	Ca_Kabuli_Chr05	47782697	(T/C)
9416	CakSNP9416	<i>Kabuli</i>	Ca_Kabuli_Chr05	47782843	(T/C)
9417	CakSNP9417	<i>Kabuli</i>	Ca_Kabuli_Chr05	47803636	(C/A)
9418	CakSNP9418	<i>Kabuli</i>	Ca_Kabuli_Chr05	47812041	(C/T)
9419	CakSNP9419	<i>Kabuli</i>	Ca_Kabuli_Chr05	47813712	(T/C)
9420	CakSNP9420	<i>Kabuli</i>	Ca_Kabuli_Chr05	47813767	(A/G)
9421	CakSNP9421	<i>Kabuli</i>	Ca_Kabuli_Chr05	47829261	(T/C)
9422	CakSNP9422	<i>Kabuli</i>	Ca_Kabuli_Chr05	47829331	(T/A)
9423	CakSNP9423	<i>Kabuli</i>	Ca_Kabuli_Chr05	47871094	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9424	CakSNP9424	<i>Kabuli</i>	Ca_Kabuli_Chr05	47871137	(G/A)
9425	CakSNP9425	<i>Kabuli</i>	Ca_Kabuli_Chr05	47871248	(G/T)
9426	CakSNP9426	<i>Kabuli</i>	Ca_Kabuli_Chr05	47871234	(A/G)
9427	CakSNP9427	<i>Kabuli</i>	Ca_Kabuli_Chr05	47871194	(T/C)
9428	CakSNP9428	<i>Kabuli</i>	Ca_Kabuli_Chr05	47878997	(C/T)
9429	CakSNP9429	<i>Kabuli</i>	Ca_Kabuli_Chr05	47901017	(G/T)
9430	CakSNP9430	<i>Kabuli</i>	Ca_Kabuli_Chr05	47931566	(T/C)
9431	CakSNP9431	<i>Kabuli</i>	Ca_Kabuli_Chr05	47941783	(C/T)
9432	CakSNP9432	<i>Kabuli</i>	Ca_Kabuli_Chr05	47943743	(G/A)
9433	CakSNP9433	<i>Kabuli</i>	Ca_Kabuli_Chr05	47965279	(G/A)
9434	CakSNP9434	<i>Kabuli</i>	Ca_Kabuli_Chr05	47994780	(A/C)
9435	CakSNP9435	<i>Kabuli</i>	Ca_Kabuli_Chr05	47997751	(A/T)
9436	CakSNP9436	<i>Kabuli</i>	Ca_Kabuli_Chr05	48005123	(A/C)
9437	CakSNP9437	<i>Kabuli</i>	Ca_Kabuli_Chr05	48005073	(G/A)
9438	CakSNP9438	<i>Kabuli</i>	Ca_Kabuli_Chr05	48042132	(A/C)
9439	CakSNP9439	<i>Kabuli</i>	Ca_Kabuli_Chr05	48063028	(A/T)
9440	CakSNP9440	<i>Kabuli</i>	Ca_Kabuli_Chr05	48069744	(G/A)
9441	CakSNP9441	<i>Kabuli</i>	Ca_Kabuli_Chr05	48069811	(G/C)
9442	CakSNP9442	<i>Kabuli</i>	Ca_Kabuli_Chr05	48069859	(A/T)
9443	CakSNP9443	<i>Kabuli</i>	Ca_Kabuli_Chr05	48069844	(T/C)
9444	CakSNP9444	<i>Kabuli</i>	Ca_Kabuli_Chr05	48069833	(G/A)
9445	CakSNP9445	<i>Kabuli</i>	Ca_Kabuli_Chr06	1916	(T/C)
9446	CakSNP9446	<i>Kabuli</i>	Ca_Kabuli_Chr06	1847	(G/T)
9447	CakSNP9447	<i>Kabuli</i>	Ca_Kabuli_Chr06	140189	(A/G)
9448	CakSNP9448	<i>Kabuli</i>	Ca_Kabuli_Chr06	140279	(T/C)
9449	CakSNP9449	<i>Kabuli</i>	Ca_Kabuli_Chr06	140320	(G/A)
9450	CakSNP9450	<i>Kabuli</i>	Ca_Kabuli_Chr06	152513	(C/T)
9451	CakSNP9451	<i>Kabuli</i>	Ca_Kabuli_Chr06	152556	(T/C)
9452	CakSNP9452	<i>Kabuli</i>	Ca_Kabuli_Chr06	166823	(G/A)
9453	CakSNP9453	<i>Kabuli</i>	Ca_Kabuli_Chr06	166806	(C/T)
9454	CakSNP9454	<i>Kabuli</i>	Ca_Kabuli_Chr06	166959	(G/A)
9455	CakSNP9455	<i>Kabuli</i>	Ca_Kabuli_Chr06	166943	(G/A)
9456	CakSNP9456	<i>Kabuli</i>	Ca_Kabuli_Chr06	166938	(G/T)
9457	CakSNP9457	<i>Kabuli</i>	Ca_Kabuli_Chr06	166934	(G/A)
9458	CakSNP9458	<i>Kabuli</i>	Ca_Kabuli_Chr06	166932	(G/A)
9459	CakSNP9459	<i>Kabuli</i>	Ca_Kabuli_Chr06	166911	(A/G)
9460	CakSNP9460	<i>Kabuli</i>	Ca_Kabuli_Chr06	204368	(G/A)
9461	CakSNP9461	<i>Kabuli</i>	Ca_Kabuli_Chr06	204412	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9462	CakSNP9462	<i>Kabuli</i>	Ca_Kabuli_Chr06	204438	(T/C)
9463	CakSNP9463	<i>Kabuli</i>	Ca_Kabuli_Chr06	267151	(A/G)
9464	CakSNP9464	<i>Kabuli</i>	Ca_Kabuli_Chr06	269269	(T/G)
9465	CakSNP9465	<i>Kabuli</i>	Ca_Kabuli_Chr06	324301	(C/T)
9466	CakSNP9466	<i>Kabuli</i>	Ca_Kabuli_Chr06	348283	(C/T)
9467	CakSNP9467	<i>Kabuli</i>	Ca_Kabuli_Chr06	348295	(G/C)
9468	CakSNP9468	<i>Kabuli</i>	Ca_Kabuli_Chr06	375684	(T/G)
9469	CakSNP9469	<i>Kabuli</i>	Ca_Kabuli_Chr06	386250	(A/G)
9470	CakSNP9470	<i>Kabuli</i>	Ca_Kabuli_Chr06	474489	(C/A)
9471	CakSNP9471	<i>Kabuli</i>	Ca_Kabuli_Chr06	505875	(T/C)
9472	CakSNP9472	<i>Kabuli</i>	Ca_Kabuli_Chr06	515221	(T/G)
9473	CakSNP9473	<i>Kabuli</i>	Ca_Kabuli_Chr06	548416	(A/T)
9474	CakSNP9474	<i>Kabuli</i>	Ca_Kabuli_Chr06	551130	(T/G)
9475	CakSNP9475	<i>Kabuli</i>	Ca_Kabuli_Chr06	561562	(A/G)
9476	CakSNP9476	<i>Kabuli</i>	Ca_Kabuli_Chr06	580616	(G/C)
9477	CakSNP9477	<i>Kabuli</i>	Ca_Kabuli_Chr06	588592	(C/A)
9478	CakSNP9478	<i>Kabuli</i>	Ca_Kabuli_Chr06	638983	(T/A)
9479	CakSNP9479	<i>Kabuli</i>	Ca_Kabuli_Chr06	645755	(G/T)
9480	CakSNP9480	<i>Kabuli</i>	Ca_Kabuli_Chr06	645746	(G/T)
9481	CakSNP9481	<i>Kabuli</i>	Ca_Kabuli_Chr06	647322	(A/C)
9482	CakSNP9482	<i>Kabuli</i>	Ca_Kabuli_Chr06	697187	(A/G)
9483	CakSNP9483	<i>Kabuli</i>	Ca_Kabuli_Chr06	697169	(A/G)
9484	CakSNP9484	<i>Kabuli</i>	Ca_Kabuli_Chr06	697168	(C/T)
9485	CakSNP9485	<i>Kabuli</i>	Ca_Kabuli_Chr06	697162	(A/G)
9486	CakSNP9486	<i>Kabuli</i>	Ca_Kabuli_Chr06	697158	(G/A)
9487	CakSNP9487	<i>Kabuli</i>	Ca_Kabuli_Chr06	697148	(C/T)
9488	CakSNP9488	<i>Kabuli</i>	Ca_Kabuli_Chr06	697147	(A/G)
9489	CakSNP9489	<i>Kabuli</i>	Ca_Kabuli_Chr06	697142	(G/C)
9490	CakSNP9490	<i>Kabuli</i>	Ca_Kabuli_Chr06	894921	(A/G)
9491	CakSNP9491	<i>Kabuli</i>	Ca_Kabuli_Chr06	902403	(G/A)
9492	CakSNP9492	<i>Kabuli</i>	Ca_Kabuli_Chr06	902402	(T/C)
9493	CakSNP9493	<i>Kabuli</i>	Ca_Kabuli_Chr06	949263	(C/A)
9494	CakSNP9494	<i>Kabuli</i>	Ca_Kabuli_Chr06	961652	(C/T)
9495	CakSNP9495	<i>Kabuli</i>	Ca_Kabuli_Chr06	961805	(C/T)
9496	CakSNP9496	<i>Kabuli</i>	Ca_Kabuli_Chr06	961733	(T/A)
9497	CakSNP9497	<i>Kabuli</i>	Ca_Kabuli_Chr06	997997	(T/A)
9498	CakSNP9498	<i>Kabuli</i>	Ca_Kabuli_Chr06	1130293	(C/T)
9499	CakSNP9499	<i>Kabuli</i>	Ca_Kabuli_Chr06	1212889	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9500	CakSNP9500	<i>Kabuli</i>	Ca_Kabuli_Chr06	1220425	(C/T)
9501	CakSNP9501	<i>Kabuli</i>	Ca_Kabuli_Chr06	1220460	(G/C)
9502	CakSNP9502	<i>Kabuli</i>	Ca_Kabuli_Chr06	1220465	(G/A)
9503	CakSNP9503	<i>Kabuli</i>	Ca_Kabuli_Chr06	1220510	(A/T)
9504	CakSNP9504	<i>Kabuli</i>	Ca_Kabuli_Chr06	1220499	(C/G)
9505	CakSNP9505	<i>Kabuli</i>	Ca_Kabuli_Chr06	1287168	(C/T)
9506	CakSNP9506	<i>Kabuli</i>	Ca_Kabuli_Chr06	1290413	(C/G)
9507	CakSNP9507	<i>Kabuli</i>	Ca_Kabuli_Chr06	1290538	(T/G)
9508	CakSNP9508	<i>Kabuli</i>	Ca_Kabuli_Chr06	1295748	(T/C)
9509	CakSNP9509	<i>Kabuli</i>	Ca_Kabuli_Chr06	1312881	(T/C)
9510	CakSNP9510	<i>Kabuli</i>	Ca_Kabuli_Chr06	1312932	(G/A)
9511	CakSNP9511	<i>Kabuli</i>	Ca_Kabuli_Chr06	1312982	(C/A)
9512	CakSNP9512	<i>Kabuli</i>	Ca_Kabuli_Chr06	1315583	(G/C)
9513	CakSNP9513	<i>Kabuli</i>	Ca_Kabuli_Chr06	1626723	(T/C)
9514	CakSNP9514	<i>Kabuli</i>	Ca_Kabuli_Chr06	1626712	(C/T)
9515	CakSNP9515	<i>Kabuli</i>	Ca_Kabuli_Chr06	1817599	(C/T)
9516	CakSNP9516	<i>Kabuli</i>	Ca_Kabuli_Chr06	1817602	(A/T)
9517	CakSNP9517	<i>Kabuli</i>	Ca_Kabuli_Chr06	1817607	(T/C)
9518	CakSNP9518	<i>Kabuli</i>	Ca_Kabuli_Chr06	1817628	(A/T)
9519	CakSNP9519	<i>Kabuli</i>	Ca_Kabuli_Chr06	1932114	(C/G)
9520	CakSNP9520	<i>Kabuli</i>	Ca_Kabuli_Chr06	1932175	(G/A)
9521	CakSNP9521	<i>Kabuli</i>	Ca_Kabuli_Chr06	1966137	(T/C)
9522	CakSNP9522	<i>Kabuli</i>	Ca_Kabuli_Chr06	1978781	(C/A)
9523	CakSNP9523	<i>Kabuli</i>	Ca_Kabuli_Chr06	1978864	(A/C)
9524	CakSNP9524	<i>Kabuli</i>	Ca_Kabuli_Chr06	1978867	(T/A)
9525	CakSNP9525	<i>Kabuli</i>	Ca_Kabuli_Chr06	2037575	(G/T)
9526	CakSNP9526	<i>Kabuli</i>	Ca_Kabuli_Chr06	2037599	(A/G)
9527	CakSNP9527	<i>Kabuli</i>	Ca_Kabuli_Chr06	2037620	(T/G)
9528	CakSNP9528	<i>Kabuli</i>	Ca_Kabuli_Chr06	2037623	(T/G)
9529	CakSNP9529	<i>Kabuli</i>	Ca_Kabuli_Chr06	2037626	(C/T)
9530	CakSNP9530	<i>Kabuli</i>	Ca_Kabuli_Chr06	2050907	(A/G)
9531	CakSNP9531	<i>Kabuli</i>	Ca_Kabuli_Chr06	2061459	(A/G)
9532	CakSNP9532	<i>Kabuli</i>	Ca_Kabuli_Chr06	2078416	(T/A)
9533	CakSNP9533	<i>Kabuli</i>	Ca_Kabuli_Chr06	2079137	(T/G)
9534	CakSNP9534	<i>Kabuli</i>	Ca_Kabuli_Chr06	2079186	(G/T)
9535	CakSNP9535	<i>Kabuli</i>	Ca_Kabuli_Chr06	2083784	(A/T)
9536	CakSNP9536	<i>Kabuli</i>	Ca_Kabuli_Chr06	2083805	(G/A)
9537	CakSNP9537	<i>Kabuli</i>	Ca_Kabuli_Chr06	2083813	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9538	CakSNP9538	<i>Kabuli</i>	Ca_Kabuli_Chr06	2126667	(C/T)
9539	CakSNP9539	<i>Kabuli</i>	Ca_Kabuli_Chr06	2126655	(G/A)
9540	CakSNP9540	<i>Kabuli</i>	Ca_Kabuli_Chr06	2140189	(G/T)
9541	CakSNP9541	<i>Kabuli</i>	Ca_Kabuli_Chr06	2140406	(G/A)
9542	CakSNP9542	<i>Kabuli</i>	Ca_Kabuli_Chr06	2193748	(T/A)
9543	CakSNP9543	<i>Kabuli</i>	Ca_Kabuli_Chr06	2193763	(A/C)
9544	CakSNP9544	<i>Kabuli</i>	Ca_Kabuli_Chr06	2193803	(G/A)
9545	CakSNP9545	<i>Kabuli</i>	Ca_Kabuli_Chr06	2214131	(T/A)
9546	CakSNP9546	<i>Kabuli</i>	Ca_Kabuli_Chr06	2214178	(T/C)
9547	CakSNP9547	<i>Kabuli</i>	Ca_Kabuli_Chr06	2214247	(A/G)
9548	CakSNP9548	<i>Kabuli</i>	Ca_Kabuli_Chr06	2223544	(A/T)
9549	CakSNP9549	<i>Kabuli</i>	Ca_Kabuli_Chr06	2223578	(T/G)
9550	CakSNP9550	<i>Kabuli</i>	Ca_Kabuli_Chr06	2223664	(A/C)
9551	CakSNP9551	<i>Kabuli</i>	Ca_Kabuli_Chr06	2244901	(A/C)
9552	CakSNP9552	<i>Kabuli</i>	Ca_Kabuli_Chr06	2275505	(A/G)
9553	CakSNP9553	<i>Kabuli</i>	Ca_Kabuli_Chr06	2275524	(G/A)
9554	CakSNP9554	<i>Kabuli</i>	Ca_Kabuli_Chr06	2275553	(A/G)
9555	CakSNP9555	<i>Kabuli</i>	Ca_Kabuli_Chr06	2280734	(T/A)
9556	CakSNP9556	<i>Kabuli</i>	Ca_Kabuli_Chr06	2280752	(A/G)
9557	CakSNP9557	<i>Kabuli</i>	Ca_Kabuli_Chr06	2286205	(A/G)
9558	CakSNP9558	<i>Kabuli</i>	Ca_Kabuli_Chr06	2286237	(C/T)
9559	CakSNP9559	<i>Kabuli</i>	Ca_Kabuli_Chr06	2294911	(T/G)
9560	CakSNP9560	<i>Kabuli</i>	Ca_Kabuli_Chr06	2303123	(T/G)
9561	CakSNP9561	<i>Kabuli</i>	Ca_Kabuli_Chr06	2313683	(A/C)
9562	CakSNP9562	<i>Kabuli</i>	Ca_Kabuli_Chr06	2313828	(G/A)
9563	CakSNP9563	<i>Kabuli</i>	Ca_Kabuli_Chr06	2314029	(T/C)
9564	CakSNP9564	<i>Kabuli</i>	Ca_Kabuli_Chr06	2327842	(A/G)
9565	CakSNP9565	<i>Kabuli</i>	Ca_Kabuli_Chr06	2462481	(C/T)
9566	CakSNP9566	<i>Kabuli</i>	Ca_Kabuli_Chr06	2502485	(A/G)
9567	CakSNP9567	<i>Kabuli</i>	Ca_Kabuli_Chr06	2527768	(A/G)
9568	CakSNP9568	<i>Kabuli</i>	Ca_Kabuli_Chr06	2542942	(A/T)
9569	CakSNP9569	<i>Kabuli</i>	Ca_Kabuli_Chr06	2542981	(T/C)
9570	CakSNP9570	<i>Kabuli</i>	Ca_Kabuli_Chr06	2543096	(C/T)
9571	CakSNP9571	<i>Kabuli</i>	Ca_Kabuli_Chr06	2543062	(A/G)
9572	CakSNP9572	<i>Kabuli</i>	Ca_Kabuli_Chr06	2548412	(A/G)
9573	CakSNP9573	<i>Kabuli</i>	Ca_Kabuli_Chr06	2549997	(C/T)
9574	CakSNP9574	<i>Kabuli</i>	Ca_Kabuli_Chr06	2549991	(T/C)
9575	CakSNP9575	<i>Kabuli</i>	Ca_Kabuli_Chr06	2550154	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9576	CakSNP9576	<i>Kabuli</i>	Ca_Kabuli_Chr06	2623370	(T/C)
9577	CakSNP9577	<i>Kabuli</i>	Ca_Kabuli_Chr06	2625793	(C/G)
9578	CakSNP9578	<i>Kabuli</i>	Ca_Kabuli_Chr06	2633941	(A/T)
9579	CakSNP9579	<i>Kabuli</i>	Ca_Kabuli_Chr06	2639558	(T/A)
9580	CakSNP9580	<i>Kabuli</i>	Ca_Kabuli_Chr06	2639606	(A/G)
9581	CakSNP9581	<i>Kabuli</i>	Ca_Kabuli_Chr06	2639607	(T/C)
9582	CakSNP9582	<i>Kabuli</i>	Ca_Kabuli_Chr06	2676594	(C/T)
9583	CakSNP9583	<i>Kabuli</i>	Ca_Kabuli_Chr06	2714894	(T/C)
9584	CakSNP9584	<i>Kabuli</i>	Ca_Kabuli_Chr06	2714897	(C/A)
9585	CakSNP9585	<i>Kabuli</i>	Ca_Kabuli_Chr06	2714918	(T/G)
9586	CakSNP9586	<i>Kabuli</i>	Ca_Kabuli_Chr06	2717150	(G/A)
9587	CakSNP9587	<i>Kabuli</i>	Ca_Kabuli_Chr06	2740630	(A/G)
9588	CakSNP9588	<i>Kabuli</i>	Ca_Kabuli_Chr06	2740765	(A/G)
9589	CakSNP9589	<i>Kabuli</i>	Ca_Kabuli_Chr06	2740784	(T/C)
9590	CakSNP9590	<i>Kabuli</i>	Ca_Kabuli_Chr06	2741185	(G/A)
9591	CakSNP9591	<i>Kabuli</i>	Ca_Kabuli_Chr06	2777609	(A/G)
9592	CakSNP9592	<i>Kabuli</i>	Ca_Kabuli_Chr06	2802942	(C/A)
9593	CakSNP9593	<i>Kabuli</i>	Ca_Kabuli_Chr06	2811345	(A/G)
9594	CakSNP9594	<i>Kabuli</i>	Ca_Kabuli_Chr06	2812794	(A/C)
9595	CakSNP9595	<i>Kabuli</i>	Ca_Kabuli_Chr06	2812719	(G/A)
9596	CakSNP9596	<i>Kabuli</i>	Ca_Kabuli_Chr06	2813244	(G/A)
9597	CakSNP9597	<i>Kabuli</i>	Ca_Kabuli_Chr06	2821836	(G/T)
9598	CakSNP9598	<i>Kabuli</i>	Ca_Kabuli_Chr06	2846051	(C/T)
9599	CakSNP9599	<i>Kabuli</i>	Ca_Kabuli_Chr06	2846018	(T/C)
9600	CakSNP9600	<i>Kabuli</i>	Ca_Kabuli_Chr06	2855691	(C/G)
9601	CakSNP9601	<i>Kabuli</i>	Ca_Kabuli_Chr06	2864713	(G/A)
9602	CakSNP9602	<i>Kabuli</i>	Ca_Kabuli_Chr06	2919355	(A/C)
9603	CakSNP9603	<i>Kabuli</i>	Ca_Kabuli_Chr06	2925908	(A/G)
9604	CakSNP9604	<i>Kabuli</i>	Ca_Kabuli_Chr06	2925962	(G/C)
9605	CakSNP9605	<i>Kabuli</i>	Ca_Kabuli_Chr06	2926006	(T/C)
9606	CakSNP9606	<i>Kabuli</i>	Ca_Kabuli_Chr06	2927224	(G/A)
9607	CakSNP9607	<i>Kabuli</i>	Ca_Kabuli_Chr06	2927255	(C/A)
9608	CakSNP9608	<i>Kabuli</i>	Ca_Kabuli_Chr06	2927271	(G/A)
9609	CakSNP9609	<i>Kabuli</i>	Ca_Kabuli_Chr06	2927386	(C/G)
9610	CakSNP9610	<i>Kabuli</i>	Ca_Kabuli_Chr06	2927387	(T/C)
9611	CakSNP9611	<i>Kabuli</i>	Ca_Kabuli_Chr06	2929355	(C/T)
9612	CakSNP9612	<i>Kabuli</i>	Ca_Kabuli_Chr06	2930453	(T/C)
9613	CakSNP9613	<i>Kabuli</i>	Ca_Kabuli_Chr06	2930459	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9614	CakSNP9614	<i>Kabuli</i>	Ca_Kabuli_Chr06	2930504	(T/C)
9615	CakSNP9615	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932029	(T/C)
9616	CakSNP9616	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932179	(T/G)
9617	CakSNP9617	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932168	(A/C)
9618	CakSNP9618	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932143	(C/A)
9619	CakSNP9619	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932130	(T/G)
9620	CakSNP9620	<i>Kabuli</i>	Ca_Kabuli_Chr06	2932777	(A/G)
9621	CakSNP9621	<i>Kabuli</i>	Ca_Kabuli_Chr06	2972319	(C/T)
9622	CakSNP9622	<i>Kabuli</i>	Ca_Kabuli_Chr06	2972301	(T/C)
9623	CakSNP9623	<i>Kabuli</i>	Ca_Kabuli_Chr06	2973741	(A/G)
9624	CakSNP9624	<i>Kabuli</i>	Ca_Kabuli_Chr06	2973756	(A/C)
9625	CakSNP9625	<i>Kabuli</i>	Ca_Kabuli_Chr06	3060508	(G/A)
9626	CakSNP9626	<i>Kabuli</i>	Ca_Kabuli_Chr06	3060502	(G/A)
9627	CakSNP9627	<i>Kabuli</i>	Ca_Kabuli_Chr06	3288481	(C/A)
9628	CakSNP9628	<i>Kabuli</i>	Ca_Kabuli_Chr06	3288444	(G/A)
9629	CakSNP9629	<i>Kabuli</i>	Ca_Kabuli_Chr06	3288441	(A/G)
9630	CakSNP9630	<i>Kabuli</i>	Ca_Kabuli_Chr06	3288505	(G/T)
9631	CakSNP9631	<i>Kabuli</i>	Ca_Kabuli_Chr06	3297086	(G/A)
9632	CakSNP9632	<i>Kabuli</i>	Ca_Kabuli_Chr06	3298952	(A/T)
9633	CakSNP9633	<i>Kabuli</i>	Ca_Kabuli_Chr06	3395024	(A/G)
9634	CakSNP9634	<i>Kabuli</i>	Ca_Kabuli_Chr06	3395253	(G/A)
9635	CakSNP9635	<i>Kabuli</i>	Ca_Kabuli_Chr06	3395370	(C/T)
9636	CakSNP9636	<i>Kabuli</i>	Ca_Kabuli_Chr06	3397650	(A/G)
9637	CakSNP9637	<i>Kabuli</i>	Ca_Kabuli_Chr06	3401260	(A/G)
9638	CakSNP9638	<i>Kabuli</i>	Ca_Kabuli_Chr06	3401272	(G/A)
9639	CakSNP9639	<i>Kabuli</i>	Ca_Kabuli_Chr06	3401277	(C/T)
9640	CakSNP9640	<i>Kabuli</i>	Ca_Kabuli_Chr06	3482411	(A/G)
9641	CakSNP9641	<i>Kabuli</i>	Ca_Kabuli_Chr06	3505662	(C/A)
9642	CakSNP9642	<i>Kabuli</i>	Ca_Kabuli_Chr06	3530094	(T/C)
9643	CakSNP9643	<i>Kabuli</i>	Ca_Kabuli_Chr06	3530137	(A/G)
9644	CakSNP9644	<i>Kabuli</i>	Ca_Kabuli_Chr06	3548121	(C/A)
9645	CakSNP9645	<i>Kabuli</i>	Ca_Kabuli_Chr06	3548114	(A/C)
9646	CakSNP9646	<i>Kabuli</i>	Ca_Kabuli_Chr06	3786843	(A/G)
9647	CakSNP9647	<i>Kabuli</i>	Ca_Kabuli_Chr06	3787239	(C/A)
9648	CakSNP9648	<i>Kabuli</i>	Ca_Kabuli_Chr06	3829070	(C/A)
9649	CakSNP9649	<i>Kabuli</i>	Ca_Kabuli_Chr06	3962516	(A/C)
9650	CakSNP9650	<i>Kabuli</i>	Ca_Kabuli_Chr06	3985519	(G/A)
9651	CakSNP9651	<i>Kabuli</i>	Ca_Kabuli_Chr06	3992419	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9652	CakSNP9652	<i>Kabuli</i>	Ca_Kabuli_Chr06	4112085	(T/C)
9653	CakSNP9653	<i>Kabuli</i>	Ca_Kabuli_Chr06	4226957	(G/A)
9654	CakSNP9654	<i>Kabuli</i>	Ca_Kabuli_Chr06	4226947	(A/T)
9655	CakSNP9655	<i>Kabuli</i>	Ca_Kabuli_Chr06	4226924	(G/T)
9656	CakSNP9656	<i>Kabuli</i>	Ca_Kabuli_Chr06	4226951	(C/A)
9657	CakSNP9657	<i>Kabuli</i>	Ca_Kabuli_Chr06	4228728	(T/C)
9658	CakSNP9658	<i>Kabuli</i>	Ca_Kabuli_Chr06	4228759	(C/G)
9659	CakSNP9659	<i>Kabuli</i>	Ca_Kabuli_Chr06	4228884	(T/C)
9660	CakSNP9660	<i>Kabuli</i>	Ca_Kabuli_Chr06	4344604	(T/C)
9661	CakSNP9661	<i>Kabuli</i>	Ca_Kabuli_Chr06	4350822	(A/T)
9662	CakSNP9662	<i>Kabuli</i>	Ca_Kabuli_Chr06	4350867	(A/C)
9663	CakSNP9663	<i>Kabuli</i>	Ca_Kabuli_Chr06	4350889	(A/C)
9664	CakSNP9664	<i>Kabuli</i>	Ca_Kabuli_Chr06	4440034	(T/G)
9665	CakSNP9665	<i>Kabuli</i>	Ca_Kabuli_Chr06	4562263	(C/A)
9666	CakSNP9666	<i>Kabuli</i>	Ca_Kabuli_Chr06	4562264	(C/G)
9667	CakSNP9667	<i>Kabuli</i>	Ca_Kabuli_Chr06	4601303	(A/C)
9668	CakSNP9668	<i>Kabuli</i>	Ca_Kabuli_Chr06	4678523	(A/C)
9669	CakSNP9669	<i>Kabuli</i>	Ca_Kabuli_Chr06	4681686	(C/A)
9670	CakSNP9670	<i>Kabuli</i>	Ca_Kabuli_Chr06	4743563	(C/G)
9671	CakSNP9671	<i>Kabuli</i>	Ca_Kabuli_Chr06	4743608	(C/T)
9672	CakSNP9672	<i>Kabuli</i>	Ca_Kabuli_Chr06	4807908	(G/C)
9673	CakSNP9673	<i>Kabuli</i>	Ca_Kabuli_Chr06	4858109	(T/C)
9674	CakSNP9674	<i>Kabuli</i>	Ca_Kabuli_Chr06	4861184	(T/G)
9675	CakSNP9675	<i>Kabuli</i>	Ca_Kabuli_Chr06	4981078	(G/T)
9676	CakSNP9676	<i>Kabuli</i>	Ca_Kabuli_Chr06	5185380	(A/G)
9677	CakSNP9677	<i>Kabuli</i>	Ca_Kabuli_Chr06	5309445	(G/A)
9678	CakSNP9678	<i>Kabuli</i>	Ca_Kabuli_Chr06	5338761	(T/G)
9679	CakSNP9679	<i>Kabuli</i>	Ca_Kabuli_Chr06	5341510	(C/A)
9680	CakSNP9680	<i>Kabuli</i>	Ca_Kabuli_Chr06	5366094	(A/G)
9681	CakSNP9681	<i>Kabuli</i>	Ca_Kabuli_Chr06	5368455	(T/G)
9682	CakSNP9682	<i>Kabuli</i>	Ca_Kabuli_Chr06	5392161	(G/A)
9683	CakSNP9683	<i>Kabuli</i>	Ca_Kabuli_Chr06	5392185	(T/C)
9684	CakSNP9684	<i>Kabuli</i>	Ca_Kabuli_Chr06	5396888	(T/G)
9685	CakSNP9685	<i>Kabuli</i>	Ca_Kabuli_Chr06	5396890	(T/G)
9686	CakSNP9686	<i>Kabuli</i>	Ca_Kabuli_Chr06	5396897	(T/G)
9687	CakSNP9687	<i>Kabuli</i>	Ca_Kabuli_Chr06	5396913	(C/T)
9688	CakSNP9688	<i>Kabuli</i>	Ca_Kabuli_Chr06	5396916	(C/T)
9689	CakSNP9689	<i>Kabuli</i>	Ca_Kabuli_Chr06	5401307	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9690	CakSNP9690	<i>Kabuli</i>	Ca_Kabuli_Chr06	5453512	(A/G)
9691	CakSNP9691	<i>Kabuli</i>	Ca_Kabuli_Chr06	5498898	(C/T)
9692	CakSNP9692	<i>Kabuli</i>	Ca_Kabuli_Chr06	5500791	(C/T)
9693	CakSNP9693	<i>Kabuli</i>	Ca_Kabuli_Chr06	5501363	(T/C)
9694	CakSNP9694	<i>Kabuli</i>	Ca_Kabuli_Chr06	5541264	(A/G)
9695	CakSNP9695	<i>Kabuli</i>	Ca_Kabuli_Chr06	5567967	(T/C)
9696	CakSNP9696	<i>Kabuli</i>	Ca_Kabuli_Chr06	5589373	(T/C)
9697	CakSNP9697	<i>Kabuli</i>	Ca_Kabuli_Chr06	5616372	(C/T)
9698	CakSNP9698	<i>Kabuli</i>	Ca_Kabuli_Chr06	5616482	(A/G)
9699	CakSNP9699	<i>Kabuli</i>	Ca_Kabuli_Chr06	5616454	(T/A)
9700	CakSNP9700	<i>Kabuli</i>	Ca_Kabuli_Chr06	5628948	(C/A)
9701	CakSNP9701	<i>Kabuli</i>	Ca_Kabuli_Chr06	5628956	(T/G)
9702	CakSNP9702	<i>Kabuli</i>	Ca_Kabuli_Chr06	5692120	(C/A)
9703	CakSNP9703	<i>Kabuli</i>	Ca_Kabuli_Chr06	5694397	(G/T)
9704	CakSNP9704	<i>Kabuli</i>	Ca_Kabuli_Chr06	5701004	(A/G)
9705	CakSNP9705	<i>Kabuli</i>	Ca_Kabuli_Chr06	5704845	(T/C)
9706	CakSNP9706	<i>Kabuli</i>	Ca_Kabuli_Chr06	5704809	(T/A)
9707	CakSNP9707	<i>Kabuli</i>	Ca_Kabuli_Chr06	5706649	(C/T)
9708	CakSNP9708	<i>Kabuli</i>	Ca_Kabuli_Chr06	5841443	(G/C)
9709	CakSNP9709	<i>Kabuli</i>	Ca_Kabuli_Chr06	5871537	(G/A)
9710	CakSNP9710	<i>Kabuli</i>	Ca_Kabuli_Chr06	5886393	(A/G)
9711	CakSNP9711	<i>Kabuli</i>	Ca_Kabuli_Chr06	5888423	(A/G)
9712	CakSNP9712	<i>Kabuli</i>	Ca_Kabuli_Chr06	5924967	(G/T)
9713	CakSNP9713	<i>Kabuli</i>	Ca_Kabuli_Chr06	5925028	(G/T)
9714	CakSNP9714	<i>Kabuli</i>	Ca_Kabuli_Chr06	6110805	(T/C)
9715	CakSNP9715	<i>Kabuli</i>	Ca_Kabuli_Chr06	6119644	(C/A)
9716	CakSNP9716	<i>Kabuli</i>	Ca_Kabuli_Chr06	6131564	(G/A)
9717	CakSNP9717	<i>Kabuli</i>	Ca_Kabuli_Chr06	6131518	(G/T)
9718	CakSNP9718	<i>Kabuli</i>	Ca_Kabuli_Chr06	6131514	(G/T)
9719	CakSNP9719	<i>Kabuli</i>	Ca_Kabuli_Chr06	6169291	(A/G)
9720	CakSNP9720	<i>Kabuli</i>	Ca_Kabuli_Chr06	6192895	(A/T)
9721	CakSNP9721	<i>Kabuli</i>	Ca_Kabuli_Chr06	6193105	(G/C)
9722	CakSNP9722	<i>Kabuli</i>	Ca_Kabuli_Chr06	6216766	(T/G)
9723	CakSNP9723	<i>Kabuli</i>	Ca_Kabuli_Chr06	6216746	(G/C)
9724	CakSNP9724	<i>Kabuli</i>	Ca_Kabuli_Chr06	6227887	(A/G)
9725	CakSNP9725	<i>Kabuli</i>	Ca_Kabuli_Chr06	6248260	(T/C)
9726	CakSNP9726	<i>Kabuli</i>	Ca_Kabuli_Chr06	6248203	(A/G)
9727	CakSNP9727	<i>Kabuli</i>	Ca_Kabuli_Chr06	6415818	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9728	CakSNP9728	<i>Kabuli</i>	Ca_Kabuli_Chr06	6443828	(C/G)
9729	CakSNP9729	<i>Kabuli</i>	Ca_Kabuli_Chr06	6444169	(A/G)
9730	CakSNP9730	<i>Kabuli</i>	Ca_Kabuli_Chr06	6444226	(T/G)
9731	CakSNP9731	<i>Kabuli</i>	Ca_Kabuli_Chr06	6444243	(G/A)
9732	CakSNP9732	<i>Kabuli</i>	Ca_Kabuli_Chr06	6444220	(G/A)
9733	CakSNP9733	<i>Kabuli</i>	Ca_Kabuli_Chr06	6517785	(T/C)
9734	CakSNP9734	<i>Kabuli</i>	Ca_Kabuli_Chr06	6517849	(C/T)
9735	CakSNP9735	<i>Kabuli</i>	Ca_Kabuli_Chr06	6538236	(C/T)
9736	CakSNP9736	<i>Kabuli</i>	Ca_Kabuli_Chr06	6604713	(G/A)
9737	CakSNP9737	<i>Kabuli</i>	Ca_Kabuli_Chr06	6604766	(C/A)
9738	CakSNP9738	<i>Kabuli</i>	Ca_Kabuli_Chr06	6607773	(A/G)
9739	CakSNP9739	<i>Kabuli</i>	Ca_Kabuli_Chr06	6631216	(C/T)
9740	CakSNP9740	<i>Kabuli</i>	Ca_Kabuli_Chr06	6654917	(T/C)
9741	CakSNP9741	<i>Kabuli</i>	Ca_Kabuli_Chr06	6764292	(G/A)
9742	CakSNP9742	<i>Kabuli</i>	Ca_Kabuli_Chr06	6779147	(G/C)
9743	CakSNP9743	<i>Kabuli</i>	Ca_Kabuli_Chr06	6779982	(C/T)
9744	CakSNP9744	<i>Kabuli</i>	Ca_Kabuli_Chr06	6792012	(C/T)
9745	CakSNP9745	<i>Kabuli</i>	Ca_Kabuli_Chr06	6800935	(A/T)
9746	CakSNP9746	<i>Kabuli</i>	Ca_Kabuli_Chr06	6800927	(G/T)
9747	CakSNP9747	<i>Kabuli</i>	Ca_Kabuli_Chr06	6800877	(T/A)
9748	CakSNP9748	<i>Kabuli</i>	Ca_Kabuli_Chr06	6802259	(C/T)
9749	CakSNP9749	<i>Kabuli</i>	Ca_Kabuli_Chr06	6802651	(A/G)
9750	CakSNP9750	<i>Kabuli</i>	Ca_Kabuli_Chr06	6803433	(A/G)
9751	CakSNP9751	<i>Kabuli</i>	Ca_Kabuli_Chr06	6815594	(G/A)
9752	CakSNP9752	<i>Kabuli</i>	Ca_Kabuli_Chr06	6840803	(T/C)
9753	CakSNP9753	<i>Kabuli</i>	Ca_Kabuli_Chr06	6853983	(G/A)
9754	CakSNP9754	<i>Kabuli</i>	Ca_Kabuli_Chr06	6871801	(A/G)
9755	CakSNP9755	<i>Kabuli</i>	Ca_Kabuli_Chr06	6877020	(C/G)
9756	CakSNP9756	<i>Kabuli</i>	Ca_Kabuli_Chr06	6877088	(C/A)
9757	CakSNP9757	<i>Kabuli</i>	Ca_Kabuli_Chr06	6877163	(T/C)
9758	CakSNP9758	<i>Kabuli</i>	Ca_Kabuli_Chr06	6877246	(C/A)
9759	CakSNP9759	<i>Kabuli</i>	Ca_Kabuli_Chr06	6877284	(C/T)
9760	CakSNP9760	<i>Kabuli</i>	Ca_Kabuli_Chr06	6899977	(G/A)
9761	CakSNP9761	<i>Kabuli</i>	Ca_Kabuli_Chr06	6899949	(T/G)
9762	CakSNP9762	<i>Kabuli</i>	Ca_Kabuli_Chr06	6913639	(T/C)
9763	CakSNP9763	<i>Kabuli</i>	Ca_Kabuli_Chr06	6913622	(A/C)
9764	CakSNP9764	<i>Kabuli</i>	Ca_Kabuli_Chr06	6913695	(G/A)
9765	CakSNP9765	<i>Kabuli</i>	Ca_Kabuli_Chr06	6913825	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9766	CakSNP9766	<i>Kabuli</i>	Ca_Kabuli_Chr06	6913821	(A/T)
9767	CakSNP9767	<i>Kabuli</i>	Ca_Kabuli_Chr06	6954468	(A/G)
9768	CakSNP9768	<i>Kabuli</i>	Ca_Kabuli_Chr06	6954480	(A/G)
9769	CakSNP9769	<i>Kabuli</i>	Ca_Kabuli_Chr06	7026495	(G/A)
9770	CakSNP9770	<i>Kabuli</i>	Ca_Kabuli_Chr06	7026481	(G/C)
9771	CakSNP9771	<i>Kabuli</i>	Ca_Kabuli_Chr06	7039578	(C/T)
9772	CakSNP9772	<i>Kabuli</i>	Ca_Kabuli_Chr06	7040231	(A/C)
9773	CakSNP9773	<i>Kabuli</i>	Ca_Kabuli_Chr06	7138381	(G/A)
9774	CakSNP9774	<i>Kabuli</i>	Ca_Kabuli_Chr06	7259533	(T/A)
9775	CakSNP9775	<i>Kabuli</i>	Ca_Kabuli_Chr06	7271634	(C/T)
9776	CakSNP9776	<i>Kabuli</i>	Ca_Kabuli_Chr06	7332579	(T/C)
9777	CakSNP9777	<i>Kabuli</i>	Ca_Kabuli_Chr06	7332585	(T/C)
9778	CakSNP9778	<i>Kabuli</i>	Ca_Kabuli_Chr06	7332762	(C/T)
9779	CakSNP9779	<i>Kabuli</i>	Ca_Kabuli_Chr06	7349517	(A/C)
9780	CakSNP9780	<i>Kabuli</i>	Ca_Kabuli_Chr06	7377229	(G/A)
9781	CakSNP9781	<i>Kabuli</i>	Ca_Kabuli_Chr06	7377276	(G/A)
9782	CakSNP9782	<i>Kabuli</i>	Ca_Kabuli_Chr06	7406219	(A/G)
9783	CakSNP9783	<i>Kabuli</i>	Ca_Kabuli_Chr06	7406233	(G/A)
9784	CakSNP9784	<i>Kabuli</i>	Ca_Kabuli_Chr06	7406301	(T/C)
9785	CakSNP9785	<i>Kabuli</i>	Ca_Kabuli_Chr06	7531353	(G/A)
9786	CakSNP9786	<i>Kabuli</i>	Ca_Kabuli_Chr06	7531445	(G/A)
9787	CakSNP9787	<i>Kabuli</i>	Ca_Kabuli_Chr06	7531456	(T/A)
9788	CakSNP9788	<i>Kabuli</i>	Ca_Kabuli_Chr06	7534360	(G/T)
9789	CakSNP9789	<i>Kabuli</i>	Ca_Kabuli_Chr06	7543580	(C/T)
9790	CakSNP9790	<i>Kabuli</i>	Ca_Kabuli_Chr06	7554094	(T/A)
9791	CakSNP9791	<i>Kabuli</i>	Ca_Kabuli_Chr06	7571950	(T/C)
9792	CakSNP9792	<i>Kabuli</i>	Ca_Kabuli_Chr06	7582726	(G/T)
9793	CakSNP9793	<i>Kabuli</i>	Ca_Kabuli_Chr06	7600817	(G/A)
9794	CakSNP9794	<i>Kabuli</i>	Ca_Kabuli_Chr06	7603195	(G/A)
9795	CakSNP9795	<i>Kabuli</i>	Ca_Kabuli_Chr06	7603178	(A/C)
9796	CakSNP9796	<i>Kabuli</i>	Ca_Kabuli_Chr06	7609814	(C/T)
9797	CakSNP9797	<i>Kabuli</i>	Ca_Kabuli_Chr06	7647907	(T/G)
9798	CakSNP9798	<i>Kabuli</i>	Ca_Kabuli_Chr06	7647931	(G/A)
9799	CakSNP9799	<i>Kabuli</i>	Ca_Kabuli_Chr06	7661930	(T/G)
9800	CakSNP9800	<i>Kabuli</i>	Ca_Kabuli_Chr06	7661924	(T/C)
9801	CakSNP9801	<i>Kabuli</i>	Ca_Kabuli_Chr06	7667301	(T/C)
9802	CakSNP9802	<i>Kabuli</i>	Ca_Kabuli_Chr06	7667328	(A/T)
9803	CakSNP9803	<i>Kabuli</i>	Ca_Kabuli_Chr06	7673403	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9804	CakSNP9804	<i>Kabuli</i>	Ca_Kabuli_Chr06	7694609	(A/T)
9805	CakSNP9805	<i>Kabuli</i>	Ca_Kabuli_Chr06	7694625	(G/T)
9806	CakSNP9806	<i>Kabuli</i>	Ca_Kabuli_Chr06	7694696	(T/C)
9807	CakSNP9807	<i>Kabuli</i>	Ca_Kabuli_Chr06	7744730	(A/G)
9808	CakSNP9808	<i>Kabuli</i>	Ca_Kabuli_Chr06	7744752	(T/C)
9809	CakSNP9809	<i>Kabuli</i>	Ca_Kabuli_Chr06	7745641	(A/G)
9810	CakSNP9810	<i>Kabuli</i>	Ca_Kabuli_Chr06	7747254	(G/A)
9811	CakSNP9811	<i>Kabuli</i>	Ca_Kabuli_Chr06	7764968	(A/G)
9812	CakSNP9812	<i>Kabuli</i>	Ca_Kabuli_Chr06	7770357	(C/T)
9813	CakSNP9813	<i>Kabuli</i>	Ca_Kabuli_Chr06	7805886	(G/T)
9814	CakSNP9814	<i>Kabuli</i>	Ca_Kabuli_Chr06	7821850	(A/G)
9815	CakSNP9815	<i>Kabuli</i>	Ca_Kabuli_Chr06	7822666	(C/A)
9816	CakSNP9816	<i>Kabuli</i>	Ca_Kabuli_Chr06	7829485	(G/A)
9817	CakSNP9817	<i>Kabuli</i>	Ca_Kabuli_Chr06	7829627	(T/G)
9818	CakSNP9818	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831214	(C/T)
9819	CakSNP9819	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831409	(C/T)
9820	CakSNP9820	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831585	(G/A)
9821	CakSNP9821	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831874	(A/G)
9822	CakSNP9822	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831898	(G/A)
9823	CakSNP9823	<i>Kabuli</i>	Ca_Kabuli_Chr06	7831899	(G/A)
9824	CakSNP9824	<i>Kabuli</i>	Ca_Kabuli_Chr06	7832029	(C/T)
9825	CakSNP9825	<i>Kabuli</i>	Ca_Kabuli_Chr06	7832023	(C/T)
9826	CakSNP9826	<i>Kabuli</i>	Ca_Kabuli_Chr06	7834595	(C/T)
9827	CakSNP9827	<i>Kabuli</i>	Ca_Kabuli_Chr06	7834922	(G/A)
9828	CakSNP9828	<i>Kabuli</i>	Ca_Kabuli_Chr06	7834895	(G/T)
9829	CakSNP9829	<i>Kabuli</i>	Ca_Kabuli_Chr06	7834976	(G/A)
9830	CakSNP9830	<i>Kabuli</i>	Ca_Kabuli_Chr06	7835427	(G/A)
9831	CakSNP9831	<i>Kabuli</i>	Ca_Kabuli_Chr06	7835738	(C/T)
9832	CakSNP9832	<i>Kabuli</i>	Ca_Kabuli_Chr06	7835984	(T/A)
9833	CakSNP9833	<i>Kabuli</i>	Ca_Kabuli_Chr06	7851000	(G/C)
9834	CakSNP9834	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929263	(C/T)
9835	CakSNP9835	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929338	(T/C)
9836	CakSNP9836	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929339	(G/A)
9837	CakSNP9837	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929348	(C/T)
9838	CakSNP9838	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929384	(T/C)
9839	CakSNP9839	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929493	(A/G)
9840	CakSNP9840	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929629	(G/A)
9841	CakSNP9841	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929628	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9842	CakSNP9842	<i>Kabuli</i>	Ca_Kabuli_Chr06	7929607	(A/C)
9843	CakSNP9843	<i>Kabuli</i>	Ca_Kabuli_Chr06	7939277	(T/A)
9844	CakSNP9844	<i>Kabuli</i>	Ca_Kabuli_Chr06	7939281	(T/G)
9845	CakSNP9845	<i>Kabuli</i>	Ca_Kabuli_Chr06	7939465	(A/G)
9846	CakSNP9846	<i>Kabuli</i>	Ca_Kabuli_Chr06	7943546	(C/G)
9847	CakSNP9847	<i>Kabuli</i>	Ca_Kabuli_Chr06	7994732	(G/T)
9848	CakSNP9848	<i>Kabuli</i>	Ca_Kabuli_Chr06	8010016	(T/C)
9849	CakSNP9849	<i>Kabuli</i>	Ca_Kabuli_Chr06	8011685	(G/T)
9850	CakSNP9850	<i>Kabuli</i>	Ca_Kabuli_Chr06	8029226	(C/T)
9851	CakSNP9851	<i>Kabuli</i>	Ca_Kabuli_Chr06	8041582	(A/G)
9852	CakSNP9852	<i>Kabuli</i>	Ca_Kabuli_Chr06	8052987	(G/C)
9853	CakSNP9853	<i>Kabuli</i>	Ca_Kabuli_Chr06	8076394	(T/C)
9854	CakSNP9854	<i>Kabuli</i>	Ca_Kabuli_Chr06	8076446	(G/A)
9855	CakSNP9855	<i>Kabuli</i>	Ca_Kabuli_Chr06	8081800	(C/G)
9856	CakSNP9856	<i>Kabuli</i>	Ca_Kabuli_Chr06	8084950	(T/A)
9857	CakSNP9857	<i>Kabuli</i>	Ca_Kabuli_Chr06	8090739	(T/A)
9858	CakSNP9858	<i>Kabuli</i>	Ca_Kabuli_Chr06	8090980	(A/G)
9859	CakSNP9859	<i>Kabuli</i>	Ca_Kabuli_Chr06	8091050	(A/G)
9860	CakSNP9860	<i>Kabuli</i>	Ca_Kabuli_Chr06	8139434	(G/A)
9861	CakSNP9861	<i>Kabuli</i>	Ca_Kabuli_Chr06	8139446	(C/A)
9862	CakSNP9862	<i>Kabuli</i>	Ca_Kabuli_Chr06	8166317	(T/C)
9863	CakSNP9863	<i>Kabuli</i>	Ca_Kabuli_Chr06	8166339	(T/C)
9864	CakSNP9864	<i>Kabuli</i>	Ca_Kabuli_Chr06	8166435	(A/G)
9865	CakSNP9865	<i>Kabuli</i>	Ca_Kabuli_Chr06	8166462	(A/T)
9866	CakSNP9866	<i>Kabuli</i>	Ca_Kabuli_Chr06	8170583	(C/T)
9867	CakSNP9867	<i>Kabuli</i>	Ca_Kabuli_Chr06	8170633	(A/G)
9868	CakSNP9868	<i>Kabuli</i>	Ca_Kabuli_Chr06	8179815	(T/C)
9869	CakSNP9869	<i>Kabuli</i>	Ca_Kabuli_Chr06	8179797	(C/T)
9870	CakSNP9870	<i>Kabuli</i>	Ca_Kabuli_Chr06	8221204	(C/A)
9871	CakSNP9871	<i>Kabuli</i>	Ca_Kabuli_Chr06	8222666	(T/C)
9872	CakSNP9872	<i>Kabuli</i>	Ca_Kabuli_Chr06	8222685	(A/T)
9873	CakSNP9873	<i>Kabuli</i>	Ca_Kabuli_Chr06	8223986	(C/G)
9874	CakSNP9874	<i>Kabuli</i>	Ca_Kabuli_Chr06	8237286	(A/G)
9875	CakSNP9875	<i>Kabuli</i>	Ca_Kabuli_Chr06	8243936	(A/T)
9876	CakSNP9876	<i>Kabuli</i>	Ca_Kabuli_Chr06	8243947	(T/C)
9877	CakSNP9877	<i>Kabuli</i>	Ca_Kabuli_Chr06	8244152	(C/T)
9878	CakSNP9878	<i>Kabuli</i>	Ca_Kabuli_Chr06	8244249	(C/T)
9879	CakSNP9879	<i>Kabuli</i>	Ca_Kabuli_Chr06	8246037	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9880	CakSNP9880	<i>Kabuli</i>	Ca_Kabuli_Ch06	8246187	(A/C)
9881	CakSNP9881	<i>Kabuli</i>	Ca_Kabuli_Ch06	8248202	(A/C)
9882	CakSNP9882	<i>Kabuli</i>	Ca_Kabuli_Ch06	8251365	(T/C)
9883	CakSNP9883	<i>Kabuli</i>	Ca_Kabuli_Ch06	8269326	(A/C)
9884	CakSNP9884	<i>Kabuli</i>	Ca_Kabuli_Ch06	8285170	(G/A)
9885	CakSNP9885	<i>Kabuli</i>	Ca_Kabuli_Ch06	8285147	(A/G)
9886	CakSNP9886	<i>Kabuli</i>	Ca_Kabuli_Ch06	8633231	(C/A)
9887	CakSNP9887	<i>Kabuli</i>	Ca_Kabuli_Ch06	8633215	(C/A)
9888	CakSNP9888	<i>Kabuli</i>	Ca_Kabuli_Ch06	8633187	(A/C)
9889	CakSNP9889	<i>Kabuli</i>	Ca_Kabuli_Ch06	8634513	(G/A)
9890	CakSNP9890	<i>Kabuli</i>	Ca_Kabuli_Ch06	8634494	(T/C)
9891	CakSNP9891	<i>Kabuli</i>	Ca_Kabuli_Ch06	8643286	(T/C)
9892	CakSNP9892	<i>Kabuli</i>	Ca_Kabuli_Ch06	8645079	(A/G)
9893	CakSNP9893	<i>Kabuli</i>	Ca_Kabuli_Ch06	8710064	(A/T)
9894	CakSNP9894	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787556	(C/T)
9895	CakSNP9895	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787557	(T/C)
9896	CakSNP9896	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787562	(C/T)
9897	CakSNP9897	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787564	(G/T)
9898	CakSNP9898	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787568	(G/T)
9899	CakSNP9899	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787572	(T/A)
9900	CakSNP9900	<i>Kabuli</i>	Ca_Kabuli_Ch06	8787573	(G/A)
9901	CakSNP9901	<i>Kabuli</i>	Ca_Kabuli_Ch06	8794430	(A/G)
9902	CakSNP9902	<i>Kabuli</i>	Ca_Kabuli_Ch06	8794552	(C/G)
9903	CakSNP9903	<i>Kabuli</i>	Ca_Kabuli_Ch06	8890548	(A/G)
9904	CakSNP9904	<i>Kabuli</i>	Ca_Kabuli_Ch06	8890552	(C/G)
9905	CakSNP9905	<i>Kabuli</i>	Ca_Kabuli_Ch06	8893216	(A/G)
9906	CakSNP9906	<i>Kabuli</i>	Ca_Kabuli_Ch06	8968068	(G/A)
9907	CakSNP9907	<i>Kabuli</i>	Ca_Kabuli_Ch06	8969711	(C/T)
9908	CakSNP9908	<i>Kabuli</i>	Ca_Kabuli_Ch06	8969725	(C/A)
9909	CakSNP9909	<i>Kabuli</i>	Ca_Kabuli_Ch06	9053279	(A/G)
9910	CakSNP9910	<i>Kabuli</i>	Ca_Kabuli_Ch06	9054596	(T/C)
9911	CakSNP9911	<i>Kabuli</i>	Ca_Kabuli_Ch06	9088121	(T/C)
9912	CakSNP9912	<i>Kabuli</i>	Ca_Kabuli_Ch06	9088151	(G/A)
9913	CakSNP9913	<i>Kabuli</i>	Ca_Kabuli_Ch06	9088163	(A/G)
9914	CakSNP9914	<i>Kabuli</i>	Ca_Kabuli_Ch06	9088184	(G/A)
9915	CakSNP9915	<i>Kabuli</i>	Ca_Kabuli_Ch06	9088234	(A/C)
9916	CakSNP9916	<i>Kabuli</i>	Ca_Kabuli_Ch06	9190620	(G/T)
9917	CakSNP9917	<i>Kabuli</i>	Ca_Kabuli_Ch06	9221201	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9918	CakSNP9918	<i>Kabuli</i>	Ca_Kabuli_Chr06	9227767	(C/A)
9919	CakSNP9919	<i>Kabuli</i>	Ca_Kabuli_Chr06	9228004	(C/A)
9920	CakSNP9920	<i>Kabuli</i>	Ca_Kabuli_Chr06	9323775	(A/G)
9921	CakSNP9921	<i>Kabuli</i>	Ca_Kabuli_Chr06	9324122	(A/C)
9922	CakSNP9922	<i>Kabuli</i>	Ca_Kabuli_Chr06	9373240	(C/A)
9923	CakSNP9923	<i>Kabuli</i>	Ca_Kabuli_Chr06	9373383	(G/C)
9924	CakSNP9924	<i>Kabuli</i>	Ca_Kabuli_Chr06	9378508	(A/T)
9925	CakSNP9925	<i>Kabuli</i>	Ca_Kabuli_Chr06	9378557	(G/C)
9926	CakSNP9926	<i>Kabuli</i>	Ca_Kabuli_Chr06	9382091	(C/T)
9927	CakSNP9927	<i>Kabuli</i>	Ca_Kabuli_Chr06	9423222	(T/C)
9928	CakSNP9928	<i>Kabuli</i>	Ca_Kabuli_Chr06	9424317	(T/C)
9929	CakSNP9929	<i>Kabuli</i>	Ca_Kabuli_Chr06	9428522	(C/T)
9930	CakSNP9930	<i>Kabuli</i>	Ca_Kabuli_Chr06	9428517	(G/A)
9931	CakSNP9931	<i>Kabuli</i>	Ca_Kabuli_Chr06	9523228	(T/C)
9932	CakSNP9932	<i>Kabuli</i>	Ca_Kabuli_Chr06	9544233	(T/C)
9933	CakSNP9933	<i>Kabuli</i>	Ca_Kabuli_Chr06	9565932	(A/G)
9934	CakSNP9934	<i>Kabuli</i>	Ca_Kabuli_Chr06	9568243	(A/C)
9935	CakSNP9935	<i>Kabuli</i>	Ca_Kabuli_Chr06	9568247	(G/A)
9936	CakSNP9936	<i>Kabuli</i>	Ca_Kabuli_Chr06	9568289	(A/C)
9937	CakSNP9937	<i>Kabuli</i>	Ca_Kabuli_Chr06	9569170	(A/G)
9938	CakSNP9938	<i>Kabuli</i>	Ca_Kabuli_Chr06	9570753	(C/T)
9939	CakSNP9939	<i>Kabuli</i>	Ca_Kabuli_Chr06	9617218	(A/G)
9940	CakSNP9940	<i>Kabuli</i>	Ca_Kabuli_Chr06	9617233	(A/G)
9941	CakSNP9941	<i>Kabuli</i>	Ca_Kabuli_Chr06	9714240	(T/C)
9942	CakSNP9942	<i>Kabuli</i>	Ca_Kabuli_Chr06	9728195	(G/T)
9943	CakSNP9943	<i>Kabuli</i>	Ca_Kabuli_Chr06	9728181	(A/G)
9944	CakSNP9944	<i>Kabuli</i>	Ca_Kabuli_Chr06	9814378	(G/T)
9945	CakSNP9945	<i>Kabuli</i>	Ca_Kabuli_Chr06	9834199	(T/C)
9946	CakSNP9946	<i>Kabuli</i>	Ca_Kabuli_Chr06	9834198	(C/A)
9947	CakSNP9947	<i>Kabuli</i>	Ca_Kabuli_Chr06	9834187	(A/T)
9948	CakSNP9948	<i>Kabuli</i>	Ca_Kabuli_Chr06	9834184	(A/T)
9949	CakSNP9949	<i>Kabuli</i>	Ca_Kabuli_Chr06	9834183	(C/T)
9950	CakSNP9950	<i>Kabuli</i>	Ca_Kabuli_Chr06	9841836	(G/A)
9951	CakSNP9951	<i>Kabuli</i>	Ca_Kabuli_Chr06	9841890	(G/A)
9952	CakSNP9952	<i>Kabuli</i>	Ca_Kabuli_Chr06	9845070	(C/T)
9953	CakSNP9953	<i>Kabuli</i>	Ca_Kabuli_Chr06	9845076	(T/C)
9954	CakSNP9954	<i>Kabuli</i>	Ca_Kabuli_Chr06	9872557	(G/A)
9955	CakSNP9955	<i>Kabuli</i>	Ca_Kabuli_Chr06	9872657	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9956	CakSNP9956	<i>Kabuli</i>	Ca_Kabuli_Chr06	9872988	(A/T)
9957	CakSNP9957	<i>Kabuli</i>	Ca_Kabuli_Chr06	9888237	(G/A)
9958	CakSNP9958	<i>Kabuli</i>	Ca_Kabuli_Chr06	9938833	(T/C)
9959	CakSNP9959	<i>Kabuli</i>	Ca_Kabuli_Chr06	9939017	(G/A)
9960	CakSNP9960	<i>Kabuli</i>	Ca_Kabuli_Chr06	9959686	(T/C)
9961	CakSNP9961	<i>Kabuli</i>	Ca_Kabuli_Chr06	10020177	(C/G)
9962	CakSNP9962	<i>Kabuli</i>	Ca_Kabuli_Chr06	10020187	(A/G)
9963	CakSNP9963	<i>Kabuli</i>	Ca_Kabuli_Chr06	10025115	(A/C)
9964	CakSNP9964	<i>Kabuli</i>	Ca_Kabuli_Chr06	10025113	(C/G)
9965	CakSNP9965	<i>Kabuli</i>	Ca_Kabuli_Chr06	10027019	(G/A)
9966	CakSNP9966	<i>Kabuli</i>	Ca_Kabuli_Chr06	10027015	(G/C)
9967	CakSNP9967	<i>Kabuli</i>	Ca_Kabuli_Chr06	10028504	(A/G)
9968	CakSNP9968	<i>Kabuli</i>	Ca_Kabuli_Chr06	10028508	(G/C)
9969	CakSNP9969	<i>Kabuli</i>	Ca_Kabuli_Chr06	10028515	(A/G)
9970	CakSNP9970	<i>Kabuli</i>	Ca_Kabuli_Chr06	10045644	(A/C)
9971	CakSNP9971	<i>Kabuli</i>	Ca_Kabuli_Chr06	10045844	(A/G)
9972	CakSNP9972	<i>Kabuli</i>	Ca_Kabuli_Chr06	10088963	(G/T)
9973	CakSNP9973	<i>Kabuli</i>	Ca_Kabuli_Chr06	10088984	(A/G)
9974	CakSNP9974	<i>Kabuli</i>	Ca_Kabuli_Chr06	10100863	(C/G)
9975	CakSNP9975	<i>Kabuli</i>	Ca_Kabuli_Chr06	10111488	(C/G)
9976	CakSNP9976	<i>Kabuli</i>	Ca_Kabuli_Chr06	10111520	(G/C)
9977	CakSNP9977	<i>Kabuli</i>	Ca_Kabuli_Chr06	10111870	(A/G)
9978	CakSNP9978	<i>Kabuli</i>	Ca_Kabuli_Chr06	10111938	(G/T)
9979	CakSNP9979	<i>Kabuli</i>	Ca_Kabuli_Chr06	10116403	(A/T)
9980	CakSNP9980	<i>Kabuli</i>	Ca_Kabuli_Chr06	10116475	(C/A)
9981	CakSNP9981	<i>Kabuli</i>	Ca_Kabuli_Chr06	10138984	(C/T)
9982	CakSNP9982	<i>Kabuli</i>	Ca_Kabuli_Chr06	10151973	(A/G)
9983	CakSNP9983	<i>Kabuli</i>	Ca_Kabuli_Chr06	10151974	(A/G)
9984	CakSNP9984	<i>Kabuli</i>	Ca_Kabuli_Chr06	10158850	(T/C)
9985	CakSNP9985	<i>Kabuli</i>	Ca_Kabuli_Chr06	10188400	(G/T)
9986	CakSNP9986	<i>Kabuli</i>	Ca_Kabuli_Chr06	10191941	(A/G)
9987	CakSNP9987	<i>Kabuli</i>	Ca_Kabuli_Chr06	10215262	(T/G)
9988	CakSNP9988	<i>Kabuli</i>	Ca_Kabuli_Chr06	10230617	(A/G)
9989	CakSNP9989	<i>Kabuli</i>	Ca_Kabuli_Chr06	10230657	(A/G)
9990	CakSNP9990	<i>Kabuli</i>	Ca_Kabuli_Chr06	10231092	(T/G)
9991	CakSNP9991	<i>Kabuli</i>	Ca_Kabuli_Chr06	10231095	(G/T)
9992	CakSNP9992	<i>Kabuli</i>	Ca_Kabuli_Chr06	10234241	(A/G)
9993	CakSNP9993	<i>Kabuli</i>	Ca_Kabuli_Chr06	10259614	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9994	CakSNP9994	<i>Kabuli</i>	Ca_Kabuli_Chr06	10260274	(C/T)
9995	CakSNP9995	<i>Kabuli</i>	Ca_Kabuli_Chr06	10314993	(C/G)
9996	CakSNP9996	<i>Kabuli</i>	Ca_Kabuli_Chr06	10395411	(G/A)
9997	CakSNP9997	<i>Kabuli</i>	Ca_Kabuli_Chr06	10395379	(T/C)
9998	CakSNP9998	<i>Kabuli</i>	Ca_Kabuli_Chr06	10395356	(T/A)
9999	CakSNP9999	<i>Kabuli</i>	Ca_Kabuli_Chr06	10441736	(A/C)
10000	CakSNP10000	<i>Kabuli</i>	Ca_Kabuli_Chr06	10441705	(T/C)
10001	CakSNP10001	<i>Kabuli</i>	Ca_Kabuli_Chr06	10442148	(A/C)
10002	CakSNP10002	<i>Kabuli</i>	Ca_Kabuli_Chr06	10445185	(C/T)
10003	CakSNP10003	<i>Kabuli</i>	Ca_Kabuli_Chr06	10445274	(G/A)
10004	CakSNP10004	<i>Kabuli</i>	Ca_Kabuli_Chr06	10456774	(A/G)
10005	CakSNP10005	<i>Kabuli</i>	Ca_Kabuli_Chr06	10456854	(G/T)
10006	CakSNP10006	<i>Kabuli</i>	Ca_Kabuli_Chr06	10494134	(C/T)
10007	CakSNP10007	<i>Kabuli</i>	Ca_Kabuli_Chr06	10494057	(C/A)
10008	CakSNP10008	<i>Kabuli</i>	Ca_Kabuli_Chr06	10494055	(T/A)
10009	CakSNP10009	<i>Kabuli</i>	Ca_Kabuli_Chr06	10495747	(G/T)
10010	CakSNP10010	<i>Kabuli</i>	Ca_Kabuli_Chr06	10495804	(C/T)
10011	CakSNP10011	<i>Kabuli</i>	Ca_Kabuli_Chr06	10502381	(A/G)
10012	CakSNP10012	<i>Kabuli</i>	Ca_Kabuli_Chr06	10502387	(C/A)
10013	CakSNP10013	<i>Kabuli</i>	Ca_Kabuli_Chr06	10510996	(T/C)
10014	CakSNP10014	<i>Kabuli</i>	Ca_Kabuli_Chr06	10520958	(C/T)
10015	CakSNP10015	<i>Kabuli</i>	Ca_Kabuli_Chr06	10521741	(A/T)
10016	CakSNP10016	<i>Kabuli</i>	Ca_Kabuli_Chr06	10531311	(A/G)
10017	CakSNP10017	<i>Kabuli</i>	Ca_Kabuli_Chr06	10531399	(C/T)
10018	CakSNP10018	<i>Kabuli</i>	Ca_Kabuli_Chr06	10532182	(A/T)
10019	CakSNP10019	<i>Kabuli</i>	Ca_Kabuli_Chr06	10532739	(A/G)
10020	CakSNP10020	<i>Kabuli</i>	Ca_Kabuli_Chr06	10539918	(A/C)
10021	CakSNP10021	<i>Kabuli</i>	Ca_Kabuli_Chr06	10539977	(C/T)
10022	CakSNP10022	<i>Kabuli</i>	Ca_Kabuli_Chr06	10539994	(A/C)
10023	CakSNP10023	<i>Kabuli</i>	Ca_Kabuli_Chr06	10567518	(A/G)
10024	CakSNP10024	<i>Kabuli</i>	Ca_Kabuli_Chr06	10588030	(C/T)
10025	CakSNP10025	<i>Kabuli</i>	Ca_Kabuli_Chr06	10613546	(A/G)
10026	CakSNP10026	<i>Kabuli</i>	Ca_Kabuli_Chr06	10613612	(A/G)
10027	CakSNP10027	<i>Kabuli</i>	Ca_Kabuli_Chr06	10652739	(C/T)
10028	CakSNP10028	<i>Kabuli</i>	Ca_Kabuli_Chr06	10667504	(A/T)
10029	CakSNP10029	<i>Kabuli</i>	Ca_Kabuli_Chr06	10667559	(T/C)
10030	CakSNP10030	<i>Kabuli</i>	Ca_Kabuli_Chr06	10667640	(T/G)
10031	CakSNP10031	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670343	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10032	CakSNP10032	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670368	(G/A)
10033	CakSNP10033	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670409	(G/A)
10034	CakSNP10034	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670412	(A/C)
10035	CakSNP10035	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670482	(C/T)
10036	CakSNP10036	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670582	(G/A)
10037	CakSNP10037	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670675	(C/T)
10038	CakSNP10038	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670694	(G/A)
10039	CakSNP10039	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670773	(A/C)
10040	CakSNP10040	<i>Kabuli</i>	Ca_Kabuli_Chr06	10670959	(T/C)
10041	CakSNP10041	<i>Kabuli</i>	Ca_Kabuli_Chr06	10671458	(T/C)
10042	CakSNP10042	<i>Kabuli</i>	Ca_Kabuli_Chr06	10671444	(A/C)
10043	CakSNP10043	<i>Kabuli</i>	Ca_Kabuli_Chr06	10672468	(C/T)
10044	CakSNP10044	<i>Kabuli</i>	Ca_Kabuli_Chr06	10677469	(A/G)
10045	CakSNP10045	<i>Kabuli</i>	Ca_Kabuli_Chr06	10677501	(C/T)
10046	CakSNP10046	<i>Kabuli</i>	Ca_Kabuli_Chr06	10682221	(G/T)
10047	CakSNP10047	<i>Kabuli</i>	Ca_Kabuli_Chr06	10682201	(C/G)
10048	CakSNP10048	<i>Kabuli</i>	Ca_Kabuli_Chr06	10683193	(C/T)
10049	CakSNP10049	<i>Kabuli</i>	Ca_Kabuli_Chr06	10696986	(A/T)
10050	CakSNP10050	<i>Kabuli</i>	Ca_Kabuli_Chr06	10696990	(T/C)
10051	CakSNP10051	<i>Kabuli</i>	Ca_Kabuli_Chr06	10697064	(T/A)
10052	CakSNP10052	<i>Kabuli</i>	Ca_Kabuli_Chr06	10716986	(G/A)
10053	CakSNP10053	<i>Kabuli</i>	Ca_Kabuli_Chr06	10716968	(G/A)
10054	CakSNP10054	<i>Kabuli</i>	Ca_Kabuli_Chr06	10744029	(C/A)
10055	CakSNP10055	<i>Kabuli</i>	Ca_Kabuli_Chr06	10743996	(A/T)
10056	CakSNP10056	<i>Kabuli</i>	Ca_Kabuli_Chr06	10748965	(G/T)
10057	CakSNP10057	<i>Kabuli</i>	Ca_Kabuli_Chr06	10779368	(G/C)
10058	CakSNP10058	<i>Kabuli</i>	Ca_Kabuli_Chr06	10779465	(A/T)
10059	CakSNP10059	<i>Kabuli</i>	Ca_Kabuli_Chr06	10779547	(T/G)
10060	CakSNP10060	<i>Kabuli</i>	Ca_Kabuli_Chr06	10779636	(C/A)
10061	CakSNP10061	<i>Kabuli</i>	Ca_Kabuli_Chr06	10785480	(T/G)
10062	CakSNP10062	<i>Kabuli</i>	Ca_Kabuli_Chr06	10870187	(T/G)
10063	CakSNP10063	<i>Kabuli</i>	Ca_Kabuli_Chr06	10870534	(A/G)
10064	CakSNP10064	<i>Kabuli</i>	Ca_Kabuli_Chr06	10880791	(C/T)
10065	CakSNP10065	<i>Kabuli</i>	Ca_Kabuli_Chr06	10880819	(T/G)
10066	CakSNP10066	<i>Kabuli</i>	Ca_Kabuli_Chr06	10881002	(A/G)
10067	CakSNP10067	<i>Kabuli</i>	Ca_Kabuli_Chr06	10880985	(C/T)
10068	CakSNP10068	<i>Kabuli</i>	Ca_Kabuli_Chr06	10880962	(G/T)
10069	CakSNP10069	<i>Kabuli</i>	Ca_Kabuli_Chr06	10991652	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10070	CakSNP10070	<i>Kabuli</i>	Ca_Kabuli_Chr06	10991717	(T/A)
10071	CakSNP10071	<i>Kabuli</i>	Ca_Kabuli_Chr06	10991737	(A/C)
10072	CakSNP10072	<i>Kabuli</i>	Ca_Kabuli_Chr06	11011847	(C/G)
10073	CakSNP10073	<i>Kabuli</i>	Ca_Kabuli_Chr06	11128158	(A/G)
10074	CakSNP10074	<i>Kabuli</i>	Ca_Kabuli_Chr06	11128170	(T/C)
10075	CakSNP10075	<i>Kabuli</i>	Ca_Kabuli_Chr06	11128204	(G/A)
10076	CakSNP10076	<i>Kabuli</i>	Ca_Kabuli_Chr06	11131010	(T/A)
10077	CakSNP10077	<i>Kabuli</i>	Ca_Kabuli_Chr06	11131464	(G/A)
10078	CakSNP10078	<i>Kabuli</i>	Ca_Kabuli_Chr06	11131462	(G/A)
10079	CakSNP10079	<i>Kabuli</i>	Ca_Kabuli_Chr06	11131436	(T/G)
10080	CakSNP10080	<i>Kabuli</i>	Ca_Kabuli_Chr06	11163819	(T/G)
10081	CakSNP10081	<i>Kabuli</i>	Ca_Kabuli_Chr06	11163822	(C/T)
10082	CakSNP10082	<i>Kabuli</i>	Ca_Kabuli_Chr06	11163836	(C/T)
10083	CakSNP10083	<i>Kabuli</i>	Ca_Kabuli_Chr06	11188803	(G/A)
10084	CakSNP10084	<i>Kabuli</i>	Ca_Kabuli_Chr06	11189051	(A/G)
10085	CakSNP10085	<i>Kabuli</i>	Ca_Kabuli_Chr06	11229102	(C/T)
10086	CakSNP10086	<i>Kabuli</i>	Ca_Kabuli_Chr06	11229143	(A/C)
10087	CakSNP10087	<i>Kabuli</i>	Ca_Kabuli_Chr06	11229302	(A/G)
10088	CakSNP10088	<i>Kabuli</i>	Ca_Kabuli_Chr06	11229388	(C/T)
10089	CakSNP10089	<i>Kabuli</i>	Ca_Kabuli_Chr06	11285884	(G/A)
10090	CakSNP10090	<i>Kabuli</i>	Ca_Kabuli_Chr06	11300597	(C/T)
10091	CakSNP10091	<i>Kabuli</i>	Ca_Kabuli_Chr06	11300549	(A/C)
10092	CakSNP10092	<i>Kabuli</i>	Ca_Kabuli_Chr06	11302037	(A/C)
10093	CakSNP10093	<i>Kabuli</i>	Ca_Kabuli_Chr06	11302033	(T/C)
10094	CakSNP10094	<i>Kabuli</i>	Ca_Kabuli_Chr06	11314581	(T/C)
10095	CakSNP10095	<i>Kabuli</i>	Ca_Kabuli_Chr06	11394963	(A/G)
10096	CakSNP10096	<i>Kabuli</i>	Ca_Kabuli_Chr06	11395330	(C/T)
10097	CakSNP10097	<i>Kabuli</i>	Ca_Kabuli_Chr06	11508828	(C/T)
10098	CakSNP10098	<i>Kabuli</i>	Ca_Kabuli_Chr06	11508824	(T/G)
10099	CakSNP10099	<i>Kabuli</i>	Ca_Kabuli_Chr06	11508817	(G/A)
10100	CakSNP10100	<i>Kabuli</i>	Ca_Kabuli_Chr06	11508816	(A/C)
10101	CakSNP10101	<i>Kabuli</i>	Ca_Kabuli_Chr06	11514926	(T/C)
10102	CakSNP10102	<i>Kabuli</i>	Ca_Kabuli_Chr06	11514883	(C/T)
10103	CakSNP10103	<i>Kabuli</i>	Ca_Kabuli_Chr06	11514935	(G/A)
10104	CakSNP10104	<i>Kabuli</i>	Ca_Kabuli_Chr06	11543615	(G/C)
10105	CakSNP10105	<i>Kabuli</i>	Ca_Kabuli_Chr06	11543618	(T/G)
10106	CakSNP10106	<i>Kabuli</i>	Ca_Kabuli_Chr06	11665233	(G/A)
10107	CakSNP10107	<i>Kabuli</i>	Ca_Kabuli_Chr06	11665338	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10108	CakSNP10108	<i>Kabuli</i>	Ca_Kabuli_Chr06	12408955	(A/G)
10109	CakSNP10109	<i>Kabuli</i>	Ca_Kabuli_Chr06	12408964	(G/C)
10110	CakSNP10110	<i>Kabuli</i>	Ca_Kabuli_Chr06	12434183	(G/T)
10111	CakSNP10111	<i>Kabuli</i>	Ca_Kabuli_Chr06	12437275	(A/T)
10112	CakSNP10112	<i>Kabuli</i>	Ca_Kabuli_Chr06	12437285	(A/G)
10113	CakSNP10113	<i>Kabuli</i>	Ca_Kabuli_Chr06	12437288	(G/A)
10114	CakSNP10114	<i>Kabuli</i>	Ca_Kabuli_Chr06	12437319	(C/T)
10115	CakSNP10115	<i>Kabuli</i>	Ca_Kabuli_Chr06	12494824	(G/T)
10116	CakSNP10116	<i>Kabuli</i>	Ca_Kabuli_Chr06	12494972	(A/G)
10117	CakSNP10117	<i>Kabuli</i>	Ca_Kabuli_Chr06	12532947	(T/A)
10118	CakSNP10118	<i>Kabuli</i>	Ca_Kabuli_Chr06	12535733	(C/G)
10119	CakSNP10119	<i>Kabuli</i>	Ca_Kabuli_Chr06	12619757	(C/T)
10120	CakSNP10120	<i>Kabuli</i>	Ca_Kabuli_Chr06	12619786	(C/A)
10121	CakSNP10121	<i>Kabuli</i>	Ca_Kabuli_Chr06	12619829	(A/T)
10122	CakSNP10122	<i>Kabuli</i>	Ca_Kabuli_Chr06	12647539	(G/A)
10123	CakSNP10123	<i>Kabuli</i>	Ca_Kabuli_Chr06	12799890	(T/G)
10124	CakSNP10124	<i>Kabuli</i>	Ca_Kabuli_Chr06	12844524	(G/A)
10125	CakSNP10125	<i>Kabuli</i>	Ca_Kabuli_Chr06	12893335	(C/A)
10126	CakSNP10126	<i>Kabuli</i>	Ca_Kabuli_Chr06	12893424	(C/T)
10127	CakSNP10127	<i>Kabuli</i>	Ca_Kabuli_Chr06	12906599	(G/A)
10128	CakSNP10128	<i>Kabuli</i>	Ca_Kabuli_Chr06	12906680	(T/C)
10129	CakSNP10129	<i>Kabuli</i>	Ca_Kabuli_Chr06	12906669	(G/A)
10130	CakSNP10130	<i>Kabuli</i>	Ca_Kabuli_Chr06	12973765	(A/G)
10131	CakSNP10131	<i>Kabuli</i>	Ca_Kabuli_Chr06	12976279	(T/A)
10132	CakSNP10132	<i>Kabuli</i>	Ca_Kabuli_Chr06	12977129	(A/G)
10133	CakSNP10133	<i>Kabuli</i>	Ca_Kabuli_Chr06	12977196	(A/G)
10134	CakSNP10134	<i>Kabuli</i>	Ca_Kabuli_Chr06	12977204	(T/G)
10135	CakSNP10135	<i>Kabuli</i>	Ca_Kabuli_Chr06	12985896	(A/C)
10136	CakSNP10136	<i>Kabuli</i>	Ca_Kabuli_Chr06	12985908	(C/G)
10137	CakSNP10137	<i>Kabuli</i>	Ca_Kabuli_Chr06	12985910	(C/T)
10138	CakSNP10138	<i>Kabuli</i>	Ca_Kabuli_Chr06	12986776	(A/G)
10139	CakSNP10139	<i>Kabuli</i>	Ca_Kabuli_Chr06	12986833	(A/C)
10140	CakSNP10140	<i>Kabuli</i>	Ca_Kabuli_Chr06	13008333	(A/T)
10141	CakSNP10141	<i>Kabuli</i>	Ca_Kabuli_Chr06	13008360	(C/T)
10142	CakSNP10142	<i>Kabuli</i>	Ca_Kabuli_Chr06	13008465	(C/T)
10143	CakSNP10143	<i>Kabuli</i>	Ca_Kabuli_Chr06	13099658	(G/T)
10144	CakSNP10144	<i>Kabuli</i>	Ca_Kabuli_Chr06	13099656	(G/T)
10145	CakSNP10145	<i>Kabuli</i>	Ca_Kabuli_Chr06	13107887	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10146	CakSNP10146	<i>Kabuli</i>	Ca_Kabuli_Chr06	13117820	(A/T)
10147	CakSNP10147	<i>Kabuli</i>	Ca_Kabuli_Chr06	13131682	(C/G)
10148	CakSNP10148	<i>Kabuli</i>	Ca_Kabuli_Chr06	13136852	(C/T)
10149	CakSNP10149	<i>Kabuli</i>	Ca_Kabuli_Chr06	13136835	(C/T)
10150	CakSNP10150	<i>Kabuli</i>	Ca_Kabuli_Chr06	13136976	(A/G)
10151	CakSNP10151	<i>Kabuli</i>	Ca_Kabuli_Chr06	13136955	(G/A)
10152	CakSNP10152	<i>Kabuli</i>	Ca_Kabuli_Chr06	13187706	(A/G)
10153	CakSNP10153	<i>Kabuli</i>	Ca_Kabuli_Chr06	13187709	(T/C)
10154	CakSNP10154	<i>Kabuli</i>	Ca_Kabuli_Chr06	13188124	(G/C)
10155	CakSNP10155	<i>Kabuli</i>	Ca_Kabuli_Chr06	13188119	(A/C)
10156	CakSNP10156	<i>Kabuli</i>	Ca_Kabuli_Chr06	13188480	(T/C)
10157	CakSNP10157	<i>Kabuli</i>	Ca_Kabuli_Chr06	13192177	(G/A)
10158	CakSNP10158	<i>Kabuli</i>	Ca_Kabuli_Chr06	13243282	(A/G)
10159	CakSNP10159	<i>Kabuli</i>	Ca_Kabuli_Chr06	13252152	(C/T)
10160	CakSNP10160	<i>Kabuli</i>	Ca_Kabuli_Chr06	13296128	(G/A)
10161	CakSNP10161	<i>Kabuli</i>	Ca_Kabuli_Chr06	13326969	(C/G)
10162	CakSNP10162	<i>Kabuli</i>	Ca_Kabuli_Chr06	13340012	(A/G)
10163	CakSNP10163	<i>Kabuli</i>	Ca_Kabuli_Chr06	13340757	(T/C)
10164	CakSNP10164	<i>Kabuli</i>	Ca_Kabuli_Chr06	13340762	(G/A)
10165	CakSNP10165	<i>Kabuli</i>	Ca_Kabuli_Chr06	13340782	(G/A)
10166	CakSNP10166	<i>Kabuli</i>	Ca_Kabuli_Chr06	13413848	(C/G)
10167	CakSNP10167	<i>Kabuli</i>	Ca_Kabuli_Chr06	13483841	(T/G)
10168	CakSNP10168	<i>Kabuli</i>	Ca_Kabuli_Chr06	13565854	(T/C)
10169	CakSNP10169	<i>Kabuli</i>	Ca_Kabuli_Chr06	13565990	(C/T)
10170	CakSNP10170	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566007	(C/T)
10171	CakSNP10171	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566012	(T/G)
10172	CakSNP10172	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566041	(C/T)
10173	CakSNP10173	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566110	(A/G)
10174	CakSNP10174	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566136	(A/C)
10175	CakSNP10175	<i>Kabuli</i>	Ca_Kabuli_Chr06	13566130	(G/T)
10176	CakSNP10176	<i>Kabuli</i>	Ca_Kabuli_Chr06	13572236	(A/T)
10177	CakSNP10177	<i>Kabuli</i>	Ca_Kabuli_Chr06	13572221	(A/C)
10178	CakSNP10178	<i>Kabuli</i>	Ca_Kabuli_Chr06	13576963	(T/A)
10179	CakSNP10179	<i>Kabuli</i>	Ca_Kabuli_Chr06	13591590	(T/G)
10180	CakSNP10180	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593544	(A/G)
10181	CakSNP10181	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593564	(C/A)
10182	CakSNP10182	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593600	(T/C)
10183	CakSNP10183	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593685	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10184	CakSNP10184	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593668	(A/G)
10185	CakSNP10185	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593661	(T/C)
10186	CakSNP10186	<i>Kabuli</i>	Ca_Kabuli_Chr06	13593654	(T/C)
10187	CakSNP10187	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619538	(C/T)
10188	CakSNP10188	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619555	(C/T)
10189	CakSNP10189	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619560	(T/G)
10190	CakSNP10190	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619589	(C/T)
10191	CakSNP10191	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619658	(A/G)
10192	CakSNP10192	<i>Kabuli</i>	Ca_Kabuli_Chr06	13619684	(A/C)
10193	CakSNP10193	<i>Kabuli</i>	Ca_Kabuli_Chr06	13622292	(C/T)
10194	CakSNP10194	<i>Kabuli</i>	Ca_Kabuli_Chr06	13625388	(A/G)
10195	CakSNP10195	<i>Kabuli</i>	Ca_Kabuli_Chr06	13637387	(T/G)
10196	CakSNP10196	<i>Kabuli</i>	Ca_Kabuli_Chr06	13637347	(C/T)
10197	CakSNP10197	<i>Kabuli</i>	Ca_Kabuli_Chr06	13668916	(T/A)
10198	CakSNP10198	<i>Kabuli</i>	Ca_Kabuli_Chr06	13668995	(A/G)
10199	CakSNP10199	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669052	(G/C)
10200	CakSNP10200	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669049	(C/T)
10201	CakSNP10201	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669048	(T/A)
10202	CakSNP10202	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669042	(A/G)
10203	CakSNP10203	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669018	(G/A)
10204	CakSNP10204	<i>Kabuli</i>	Ca_Kabuli_Chr06	13669006	(G/C)
10205	CakSNP10205	<i>Kabuli</i>	Ca_Kabuli_Chr06	13714897	(A/T)
10206	CakSNP10206	<i>Kabuli</i>	Ca_Kabuli_Chr06	13764980	(T/A)
10207	CakSNP10207	<i>Kabuli</i>	Ca_Kabuli_Chr06	13827484	(C/T)
10208	CakSNP10208	<i>Kabuli</i>	Ca_Kabuli_Chr06	13827452	(C/G)
10209	CakSNP10209	<i>Kabuli</i>	Ca_Kabuli_Chr06	13827444	(G/A)
10210	CakSNP10210	<i>Kabuli</i>	Ca_Kabuli_Chr06	13913539	(A/G)
10211	CakSNP10211	<i>Kabuli</i>	Ca_Kabuli_Chr06	13917076	(T/C)
10212	CakSNP10212	<i>Kabuli</i>	Ca_Kabuli_Chr06	13917135	(T/A)
10213	CakSNP10213	<i>Kabuli</i>	Ca_Kabuli_Chr06	13921954	(A/T)
10214	CakSNP10214	<i>Kabuli</i>	Ca_Kabuli_Chr06	13941701	(A/T)
10215	CakSNP10215	<i>Kabuli</i>	Ca_Kabuli_Chr06	13942961	(A/G)
10216	CakSNP10216	<i>Kabuli</i>	Ca_Kabuli_Chr06	13948732	(G/T)
10217	CakSNP10217	<i>Kabuli</i>	Ca_Kabuli_Chr06	13948751	(T/G)
10218	CakSNP10218	<i>Kabuli</i>	Ca_Kabuli_Chr06	13948778	(A/C)
10219	CakSNP10219	<i>Kabuli</i>	Ca_Kabuli_Chr06	13986559	(A/G)
10220	CakSNP10220	<i>Kabuli</i>	Ca_Kabuli_Chr06	14042859	(A/T)
10221	CakSNP10221	<i>Kabuli</i>	Ca_Kabuli_Chr06	14067312	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10222	CakSNP10222	<i>Kabuli</i>	Ca_Kabuli_Chr06	14067326	(C/T)
10223	CakSNP10223	<i>Kabuli</i>	Ca_Kabuli_Chr06	14112542	(A/G)
10224	CakSNP10224	<i>Kabuli</i>	Ca_Kabuli_Chr06	14148771	(A/G)
10225	CakSNP10225	<i>Kabuli</i>	Ca_Kabuli_Chr06	14155543	(C/T)
10226	CakSNP10226	<i>Kabuli</i>	Ca_Kabuli_Chr06	14155662	(T/C)
10227	CakSNP10227	<i>Kabuli</i>	Ca_Kabuli_Chr06	14155643	(A/C)
10228	CakSNP10228	<i>Kabuli</i>	Ca_Kabuli_Chr06	14161084	(G/C)
10229	CakSNP10229	<i>Kabuli</i>	Ca_Kabuli_Chr06	14201001	(T/C)
10230	CakSNP10230	<i>Kabuli</i>	Ca_Kabuli_Chr06	14200997	(G/A)
10231	CakSNP10231	<i>Kabuli</i>	Ca_Kabuli_Chr06	14204400	(T/C)
10232	CakSNP10232	<i>Kabuli</i>	Ca_Kabuli_Chr06	14204469	(G/A)
10233	CakSNP10233	<i>Kabuli</i>	Ca_Kabuli_Chr06	14254394	(A/G)
10234	CakSNP10234	<i>Kabuli</i>	Ca_Kabuli_Chr06	14309042	(C/T)
10235	CakSNP10235	<i>Kabuli</i>	Ca_Kabuli_Chr06	14330533	(T/C)
10236	CakSNP10236	<i>Kabuli</i>	Ca_Kabuli_Chr06	14332018	(A/C)
10237	CakSNP10237	<i>Kabuli</i>	Ca_Kabuli_Chr06	14332404	(A/G)
10238	CakSNP10238	<i>Kabuli</i>	Ca_Kabuli_Chr06	14353598	(C/T)
10239	CakSNP10239	<i>Kabuli</i>	Ca_Kabuli_Chr06	14353624	(G/A)
10240	CakSNP10240	<i>Kabuli</i>	Ca_Kabuli_Chr06	14371493	(C/T)
10241	CakSNP10241	<i>Kabuli</i>	Ca_Kabuli_Chr06	14371530	(C/T)
10242	CakSNP10242	<i>Kabuli</i>	Ca_Kabuli_Chr06	14375135	(G/A)
10243	CakSNP10243	<i>Kabuli</i>	Ca_Kabuli_Chr06	14375141	(G/C)
10244	CakSNP10244	<i>Kabuli</i>	Ca_Kabuli_Chr06	14375172	(A/G)
10245	CakSNP10245	<i>Kabuli</i>	Ca_Kabuli_Chr06	14375196	(G/A)
10246	CakSNP10246	<i>Kabuli</i>	Ca_Kabuli_Chr06	14375207	(C/T)
10247	CakSNP10247	<i>Kabuli</i>	Ca_Kabuli_Chr06	14401990	(G/A)
10248	CakSNP10248	<i>Kabuli</i>	Ca_Kabuli_Chr06	14416997	(A/G)
10249	CakSNP10249	<i>Kabuli</i>	Ca_Kabuli_Chr06	14416981	(A/G)
10250	CakSNP10250	<i>Kabuli</i>	Ca_Kabuli_Chr06	14419832	(C/T)
10251	CakSNP10251	<i>Kabuli</i>	Ca_Kabuli_Chr06	14526540	(A/T)
10252	CakSNP10252	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589478	(T/G)
10253	CakSNP10253	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589480	(T/C)
10254	CakSNP10254	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589520	(G/C)
10255	CakSNP10255	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589744	(C/T)
10256	CakSNP10256	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589807	(T/G)
10257	CakSNP10257	<i>Kabuli</i>	Ca_Kabuli_Chr06	14589873	(T/C)
10258	CakSNP10258	<i>Kabuli</i>	Ca_Kabuli_Chr06	14606892	(A/C)
10259	CakSNP10259	<i>Kabuli</i>	Ca_Kabuli_Chr06	14628213	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10260	CakSNP10260	<i>Kabuli</i>	Ca_Kabuli_Chr06	14628215	(T/C)
10261	CakSNP10261	<i>Kabuli</i>	Ca_Kabuli_Chr06	14628216	(A/C)
10262	CakSNP10262	<i>Kabuli</i>	Ca_Kabuli_Chr06	14628284	(G/A)
10263	CakSNP10263	<i>Kabuli</i>	Ca_Kabuli_Chr06	14719793	(T/C)
10264	CakSNP10264	<i>Kabuli</i>	Ca_Kabuli_Chr06	14719840	(G/T)
10265	CakSNP10265	<i>Kabuli</i>	Ca_Kabuli_Chr06	14747608	(T/C)
10266	CakSNP10266	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753191	(C/T)
10267	CakSNP10267	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753190	(G/A)
10268	CakSNP10268	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753158	(A/G)
10269	CakSNP10269	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753113	(C/A)
10270	CakSNP10270	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753145	(C/A)
10271	CakSNP10271	<i>Kabuli</i>	Ca_Kabuli_Chr06	14753150	(G/A)
10272	CakSNP10272	<i>Kabuli</i>	Ca_Kabuli_Chr06	14762493	(A/G)
10273	CakSNP10273	<i>Kabuli</i>	Ca_Kabuli_Chr06	14771564	(G/T)
10274	CakSNP10274	<i>Kabuli</i>	Ca_Kabuli_Chr06	14771709	(G/A)
10275	CakSNP10275	<i>Kabuli</i>	Ca_Kabuli_Chr06	14786015	(T/G)
10276	CakSNP10276	<i>Kabuli</i>	Ca_Kabuli_Chr06	14789964	(A/C)
10277	CakSNP10277	<i>Kabuli</i>	Ca_Kabuli_Chr06	14846794	(C/T)
10278	CakSNP10278	<i>Kabuli</i>	Ca_Kabuli_Chr06	14857722	(C/A)
10279	CakSNP10279	<i>Kabuli</i>	Ca_Kabuli_Chr06	14857709	(A/G)
10280	CakSNP10280	<i>Kabuli</i>	Ca_Kabuli_Chr06	14857680	(G/A)
10281	CakSNP10281	<i>Kabuli</i>	Ca_Kabuli_Chr06	14861487	(T/A)
10282	CakSNP10282	<i>Kabuli</i>	Ca_Kabuli_Chr06	14884604	(T/G)
10283	CakSNP10283	<i>Kabuli</i>	Ca_Kabuli_Chr06	14884606	(T/C)
10284	CakSNP10284	<i>Kabuli</i>	Ca_Kabuli_Chr06	14891588	(T/C)
10285	CakSNP10285	<i>Kabuli</i>	Ca_Kabuli_Chr06	14891533	(T/C)
10286	CakSNP10286	<i>Kabuli</i>	Ca_Kabuli_Chr06	14891597	(C/T)
10287	CakSNP10287	<i>Kabuli</i>	Ca_Kabuli_Chr06	14891626	(C/A)
10288	CakSNP10288	<i>Kabuli</i>	Ca_Kabuli_Chr06	14941348	(C/T)
10289	CakSNP10289	<i>Kabuli</i>	Ca_Kabuli_Chr06	14951877	(C/T)
10290	CakSNP10290	<i>Kabuli</i>	Ca_Kabuli_Chr06	14951860	(G/A)
10291	CakSNP10291	<i>Kabuli</i>	Ca_Kabuli_Chr06	14982998	(T/C)
10292	CakSNP10292	<i>Kabuli</i>	Ca_Kabuli_Chr06	14983391	(C/T)
10293	CakSNP10293	<i>Kabuli</i>	Ca_Kabuli_Chr06	15024904	(C/A)
10294	CakSNP10294	<i>Kabuli</i>	Ca_Kabuli_Chr06	15024881	(C/A)
10295	CakSNP10295	<i>Kabuli</i>	Ca_Kabuli_Chr06	15024979	(T/G)
10296	CakSNP10296	<i>Kabuli</i>	Ca_Kabuli_Chr06	15024999	(T/A)
10297	CakSNP10297	<i>Kabuli</i>	Ca_Kabuli_Chr06	15025010	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10298	CakSNP10298	<i>Kabuli</i>	Ca_Kabuli_Chr06	15025012	(A/C)
10299	CakSNP10299	<i>Kabuli</i>	Ca_Kabuli_Chr06	15051094	(T/C)
10300	CakSNP10300	<i>Kabuli</i>	Ca_Kabuli_Chr06	15061717	(G/A)
10301	CakSNP10301	<i>Kabuli</i>	Ca_Kabuli_Chr06	15123739	(C/T)
10302	CakSNP10302	<i>Kabuli</i>	Ca_Kabuli_Chr06	15123771	(T/C)
10303	CakSNP10303	<i>Kabuli</i>	Ca_Kabuli_Chr06	15123827	(T/G)
10304	CakSNP10304	<i>Kabuli</i>	Ca_Kabuli_Chr06	15123947	(G/A)
10305	CakSNP10305	<i>Kabuli</i>	Ca_Kabuli_Chr06	15173607	(G/A)
10306	CakSNP10306	<i>Kabuli</i>	Ca_Kabuli_Chr06	15185723	(T/C)
10307	CakSNP10307	<i>Kabuli</i>	Ca_Kabuli_Chr06	15204957	(G/C)
10308	CakSNP10308	<i>Kabuli</i>	Ca_Kabuli_Chr06	15235575	(A/G)
10309	CakSNP10309	<i>Kabuli</i>	Ca_Kabuli_Chr06	15235576	(C/T)
10310	CakSNP10310	<i>Kabuli</i>	Ca_Kabuli_Chr06	15235615	(C/T)
10311	CakSNP10311	<i>Kabuli</i>	Ca_Kabuli_Chr06	15243538	(A/T)
10312	CakSNP10312	<i>Kabuli</i>	Ca_Kabuli_Chr06	15243590	(A/G)
10313	CakSNP10313	<i>Kabuli</i>	Ca_Kabuli_Chr06	15243630	(C/T)
10314	CakSNP10314	<i>Kabuli</i>	Ca_Kabuli_Chr06	15243674	(T/A)
10315	CakSNP10315	<i>Kabuli</i>	Ca_Kabuli_Chr06	15268491	(T/G)
10316	CakSNP10316	<i>Kabuli</i>	Ca_Kabuli_Chr06	15294332	(T/G)
10317	CakSNP10317	<i>Kabuli</i>	Ca_Kabuli_Chr06	15294331	(C/T)
10318	CakSNP10318	<i>Kabuli</i>	Ca_Kabuli_Chr06	15294329	(A/C)
10319	CakSNP10319	<i>Kabuli</i>	Ca_Kabuli_Chr06	15301137	(C/T)
10320	CakSNP10320	<i>Kabuli</i>	Ca_Kabuli_Chr06	15313655	(G/T)
10321	CakSNP10321	<i>Kabuli</i>	Ca_Kabuli_Chr06	15328759	(C/A)
10322	CakSNP10322	<i>Kabuli</i>	Ca_Kabuli_Chr06	15328805	(A/T)
10323	CakSNP10323	<i>Kabuli</i>	Ca_Kabuli_Chr06	15328948	(A/C)
10324	CakSNP10324	<i>Kabuli</i>	Ca_Kabuli_Chr06	15347707	(C/T)
10325	CakSNP10325	<i>Kabuli</i>	Ca_Kabuli_Chr06	15393321	(A/T)
10326	CakSNP10326	<i>Kabuli</i>	Ca_Kabuli_Chr06	15393349	(T/C)
10327	CakSNP10327	<i>Kabuli</i>	Ca_Kabuli_Chr06	15463326	(C/G)
10328	CakSNP10328	<i>Kabuli</i>	Ca_Kabuli_Chr06	15475948	(A/G)
10329	CakSNP10329	<i>Kabuli</i>	Ca_Kabuli_Chr06	15488265	(C/T)
10330	CakSNP10330	<i>Kabuli</i>	Ca_Kabuli_Chr06	15488314	(A/T)
10331	CakSNP10331	<i>Kabuli</i>	Ca_Kabuli_Chr06	15488309	(G/A)
10332	CakSNP10332	<i>Kabuli</i>	Ca_Kabuli_Chr06	15510433	(A/T)
10333	CakSNP10333	<i>Kabuli</i>	Ca_Kabuli_Chr06	15510397	(G/A)
10334	CakSNP10334	<i>Kabuli</i>	Ca_Kabuli_Chr06	15537908	(A/C)
10335	CakSNP10335	<i>Kabuli</i>	Ca_Kabuli_Chr06	15543295	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10336	CakSNP10336	<i>Kabuli</i>	Ca_Kabuli_Chr06	15543293	(T/G)
10337	CakSNP10337	<i>Kabuli</i>	Ca_Kabuli_Chr06	15543286	(G/A)
10338	CakSNP10338	<i>Kabuli</i>	Ca_Kabuli_Chr06	15550044	(C/T)
10339	CakSNP10339	<i>Kabuli</i>	Ca_Kabuli_Chr06	15589539	(A/T)
10340	CakSNP10340	<i>Kabuli</i>	Ca_Kabuli_Chr06	15589885	(G/T)
10341	CakSNP10341	<i>Kabuli</i>	Ca_Kabuli_Chr06	15635126	(A/T)
10342	CakSNP10342	<i>Kabuli</i>	Ca_Kabuli_Chr06	15644412	(A/T)
10343	CakSNP10343	<i>Kabuli</i>	Ca_Kabuli_Chr06	15644796	(A/T)
10344	CakSNP10344	<i>Kabuli</i>	Ca_Kabuli_Chr06	15857728	(T/C)
10345	CakSNP10345	<i>Kabuli</i>	Ca_Kabuli_Chr06	15861278	(G/A)
10346	CakSNP10346	<i>Kabuli</i>	Ca_Kabuli_Chr06	16113523	(T/C)
10347	CakSNP10347	<i>Kabuli</i>	Ca_Kabuli_Chr06	16113522	(A/T)
10348	CakSNP10348	<i>Kabuli</i>	Ca_Kabuli_Chr06	16113521	(G/T)
10349	CakSNP10349	<i>Kabuli</i>	Ca_Kabuli_Chr06	16115933	(T/C)
10350	CakSNP10350	<i>Kabuli</i>	Ca_Kabuli_Chr06	16147469	(A/G)
10351	CakSNP10351	<i>Kabuli</i>	Ca_Kabuli_Chr06	16148277	(A/C)
10352	CakSNP10352	<i>Kabuli</i>	Ca_Kabuli_Chr06	16189692	(C/A)
10353	CakSNP10353	<i>Kabuli</i>	Ca_Kabuli_Chr06	16189693	(G/T)
10354	CakSNP10354	<i>Kabuli</i>	Ca_Kabuli_Chr06	16195748	(T/C)
10355	CakSNP10355	<i>Kabuli</i>	Ca_Kabuli_Chr06	16196582	(G/C)
10356	CakSNP10356	<i>Kabuli</i>	Ca_Kabuli_Chr06	16315552	(T/A)
10357	CakSNP10357	<i>Kabuli</i>	Ca_Kabuli_Chr06	16332377	(G/A)
10358	CakSNP10358	<i>Kabuli</i>	Ca_Kabuli_Chr06	16353698	(G/A)
10359	CakSNP10359	<i>Kabuli</i>	Ca_Kabuli_Chr06	16450107	(C/T)
10360	CakSNP10360	<i>Kabuli</i>	Ca_Kabuli_Chr06	16460495	(A/C)
10361	CakSNP10361	<i>Kabuli</i>	Ca_Kabuli_Chr06	16561334	(C/T)
10362	CakSNP10362	<i>Kabuli</i>	Ca_Kabuli_Chr06	16635061	(C/T)
10363	CakSNP10363	<i>Kabuli</i>	Ca_Kabuli_Chr06	16646769	(A/T)
10364	CakSNP10364	<i>Kabuli</i>	Ca_Kabuli_Chr06	16646713	(T/G)
10365	CakSNP10365	<i>Kabuli</i>	Ca_Kabuli_Chr06	16665385	(G/C)
10366	CakSNP10366	<i>Kabuli</i>	Ca_Kabuli_Chr06	16665477	(T/C)
10367	CakSNP10367	<i>Kabuli</i>	Ca_Kabuli_Chr06	16665829	(G/C)
10368	CakSNP10368	<i>Kabuli</i>	Ca_Kabuli_Chr06	16677320	(C/A)
10369	CakSNP10369	<i>Kabuli</i>	Ca_Kabuli_Chr06	16717984	(G/A)
10370	CakSNP10370	<i>Kabuli</i>	Ca_Kabuli_Chr06	16718201	(G/A)
10371	CakSNP10371	<i>Kabuli</i>	Ca_Kabuli_Chr06	16719918	(C/A)
10372	CakSNP10372	<i>Kabuli</i>	Ca_Kabuli_Chr06	16719919	(T/G)
10373	CakSNP10373	<i>Kabuli</i>	Ca_Kabuli_Chr06	16741672	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10374	CakSNP10374	<i>Kabuli</i>	Ca_Kabuli_Chr06	16748675	(A/C)
10375	CakSNP10375	<i>Kabuli</i>	Ca_Kabuli_Chr06	16768782	(G/A)
10376	CakSNP10376	<i>Kabuli</i>	Ca_Kabuli_Chr06	16823954	(A/G)
10377	CakSNP10377	<i>Kabuli</i>	Ca_Kabuli_Chr06	16932014	(C/G)
10378	CakSNP10378	<i>Kabuli</i>	Ca_Kabuli_Chr06	17048493	(A/C)
10379	CakSNP10379	<i>Kabuli</i>	Ca_Kabuli_Chr06	17096214	(C/T)
10380	CakSNP10380	<i>Kabuli</i>	Ca_Kabuli_Chr06	17096215	(G/A)
10381	CakSNP10381	<i>Kabuli</i>	Ca_Kabuli_Chr06	17096224	(C/T)
10382	CakSNP10382	<i>Kabuli</i>	Ca_Kabuli_Chr06	17129574	(A/G)
10383	CakSNP10383	<i>Kabuli</i>	Ca_Kabuli_Chr06	17148605	(G/A)
10384	CakSNP10384	<i>Kabuli</i>	Ca_Kabuli_Chr06	17148773	(A/G)
10385	CakSNP10385	<i>Kabuli</i>	Ca_Kabuli_Chr06	17175334	(C/A)
10386	CakSNP10386	<i>Kabuli</i>	Ca_Kabuli_Chr06	17175446	(G/A)
10387	CakSNP10387	<i>Kabuli</i>	Ca_Kabuli_Chr06	17258827	(C/A)
10388	CakSNP10388	<i>Kabuli</i>	Ca_Kabuli_Chr06	17258886	(T/G)
10389	CakSNP10389	<i>Kabuli</i>	Ca_Kabuli_Chr06	17262283	(C/T)
10390	CakSNP10390	<i>Kabuli</i>	Ca_Kabuli_Chr06	17263126	(G/A)
10391	CakSNP10391	<i>Kabuli</i>	Ca_Kabuli_Chr06	17369613	(A/G)
10392	CakSNP10392	<i>Kabuli</i>	Ca_Kabuli_Chr06	17445945	(T/G)
10393	CakSNP10393	<i>Kabuli</i>	Ca_Kabuli_Chr06	17477741	(A/G)
10394	CakSNP10394	<i>Kabuli</i>	Ca_Kabuli_Chr06	17478220	(G/A)
10395	CakSNP10395	<i>Kabuli</i>	Ca_Kabuli_Chr06	17480486	(G/C)
10396	CakSNP10396	<i>Kabuli</i>	Ca_Kabuli_Chr06	17481288	(T/C)
10397	CakSNP10397	<i>Kabuli</i>	Ca_Kabuli_Chr06	17481307	(C/A)
10398	CakSNP10398	<i>Kabuli</i>	Ca_Kabuli_Chr06	17481403	(T/G)
10399	CakSNP10399	<i>Kabuli</i>	Ca_Kabuli_Chr06	17481392	(A/G)
10400	CakSNP10400	<i>Kabuli</i>	Ca_Kabuli_Chr06	17482626	(A/G)
10401	CakSNP10401	<i>Kabuli</i>	Ca_Kabuli_Chr06	17482640	(C/T)
10402	CakSNP10402	<i>Kabuli</i>	Ca_Kabuli_Chr06	17482649	(A/G)
10403	CakSNP10403	<i>Kabuli</i>	Ca_Kabuli_Chr06	17482718	(G/A)
10404	CakSNP10404	<i>Kabuli</i>	Ca_Kabuli_Chr06	17482697	(A/G)
10405	CakSNP10405	<i>Kabuli</i>	Ca_Kabuli_Chr06	17573309	(A/G)
10406	CakSNP10406	<i>Kabuli</i>	Ca_Kabuli_Chr06	17659067	(A/C)
10407	CakSNP10407	<i>Kabuli</i>	Ca_Kabuli_Chr06	17741078	(G/A)
10408	CakSNP10408	<i>Kabuli</i>	Ca_Kabuli_Chr06	18027391	(G/A)
10409	CakSNP10409	<i>Kabuli</i>	Ca_Kabuli_Chr06	18094691	(C/A)
10410	CakSNP10410	<i>Kabuli</i>	Ca_Kabuli_Chr06	18125613	(C/A)
10411	CakSNP10411	<i>Kabuli</i>	Ca_Kabuli_Chr06	18232696	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10412	CakSNP10412	<i>Kabuli</i>	Ca_Kabuli_Chr06	18268960	(G/A)
10413	CakSNP10413	<i>Kabuli</i>	Ca_Kabuli_Chr06	18268982	(A/G)
10414	CakSNP10414	<i>Kabuli</i>	Ca_Kabuli_Chr06	18389704	(T/G)
10415	CakSNP10415	<i>Kabuli</i>	Ca_Kabuli_Chr06	18389661	(A/C)
10416	CakSNP10416	<i>Kabuli</i>	Ca_Kabuli_Chr06	18444725	(T/C)
10417	CakSNP10417	<i>Kabuli</i>	Ca_Kabuli_Chr06	18549073	(T/C)
10418	CakSNP10418	<i>Kabuli</i>	Ca_Kabuli_Chr06	18562366	(C/A)
10419	CakSNP10419	<i>Kabuli</i>	Ca_Kabuli_Chr06	18664114	(A/T)
10420	CakSNP10420	<i>Kabuli</i>	Ca_Kabuli_Chr06	18747207	(G/A)
10421	CakSNP10421	<i>Kabuli</i>	Ca_Kabuli_Chr06	18752554	(G/T)
10422	CakSNP10422	<i>Kabuli</i>	Ca_Kabuli_Chr06	18767357	(G/A)
10423	CakSNP10423	<i>Kabuli</i>	Ca_Kabuli_Chr06	18771093	(T/A)
10424	CakSNP10424	<i>Kabuli</i>	Ca_Kabuli_Chr06	18798747	(A/C)
10425	CakSNP10425	<i>Kabuli</i>	Ca_Kabuli_Chr06	18852806	(T/C)
10426	CakSNP10426	<i>Kabuli</i>	Ca_Kabuli_Chr06	18852854	(T/C)
10427	CakSNP10427	<i>Kabuli</i>	Ca_Kabuli_Chr06	18876221	(T/C)
10428	CakSNP10428	<i>Kabuli</i>	Ca_Kabuli_Chr06	18876213	(A/G)
10429	CakSNP10429	<i>Kabuli</i>	Ca_Kabuli_Chr06	18899989	(C/A)
10430	CakSNP10430	<i>Kabuli</i>	Ca_Kabuli_Chr06	18900031	(C/T)
10431	CakSNP10431	<i>Kabuli</i>	Ca_Kabuli_Chr06	18900034	(G/A)
10432	CakSNP10432	<i>Kabuli</i>	Ca_Kabuli_Chr06	18916626	(G/T)
10433	CakSNP10433	<i>Kabuli</i>	Ca_Kabuli_Chr06	18916619	(C/T)
10434	CakSNP10434	<i>Kabuli</i>	Ca_Kabuli_Chr06	18925002	(A/G)
10435	CakSNP10435	<i>Kabuli</i>	Ca_Kabuli_Chr06	18938479	(C/T)
10436	CakSNP10436	<i>Kabuli</i>	Ca_Kabuli_Chr06	18938512	(G/A)
10437	CakSNP10437	<i>Kabuli</i>	Ca_Kabuli_Chr06	18956194	(G/A)
10438	CakSNP10438	<i>Kabuli</i>	Ca_Kabuli_Chr06	18987220	(T/G)
10439	CakSNP10439	<i>Kabuli</i>	Ca_Kabuli_Chr06	18999175	(C/T)
10440	CakSNP10440	<i>Kabuli</i>	Ca_Kabuli_Chr06	19033068	(A/C)
10441	CakSNP10441	<i>Kabuli</i>	Ca_Kabuli_Chr06	19033309	(G/A)
10442	CakSNP10442	<i>Kabuli</i>	Ca_Kabuli_Chr06	19034129	(A/G)
10443	CakSNP10443	<i>Kabuli</i>	Ca_Kabuli_Chr06	19125254	(G/A)
10444	CakSNP10444	<i>Kabuli</i>	Ca_Kabuli_Chr06	19125222	(T/C)
10445	CakSNP10445	<i>Kabuli</i>	Ca_Kabuli_Chr06	19129651	(T/C)
10446	CakSNP10446	<i>Kabuli</i>	Ca_Kabuli_Chr06	19169687	(T/C)
10447	CakSNP10447	<i>Kabuli</i>	Ca_Kabuli_Chr06	19195656	(A/T)
10448	CakSNP10448	<i>Kabuli</i>	Ca_Kabuli_Chr06	19195659	(A/C)
10449	CakSNP10449	<i>Kabuli</i>	Ca_Kabuli_Chr06	19198386	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10450	CakSNP10450	<i>Kabuli</i>	Ca_Kabuli_Chr06	19217820	(G/A)
10451	CakSNP10451	<i>Kabuli</i>	Ca_Kabuli_Chr06	19304834	(A/G)
10452	CakSNP10452	<i>Kabuli</i>	Ca_Kabuli_Chr06	19440988	(T/C)
10453	CakSNP10453	<i>Kabuli</i>	Ca_Kabuli_Chr06	19441372	(T/C)
10454	CakSNP10454	<i>Kabuli</i>	Ca_Kabuli_Chr06	19450845	(T/A)
10455	CakSNP10455	<i>Kabuli</i>	Ca_Kabuli_Chr06	19458843	(C/T)
10456	CakSNP10456	<i>Kabuli</i>	Ca_Kabuli_Chr06	19458898	(T/A)
10457	CakSNP10457	<i>Kabuli</i>	Ca_Kabuli_Chr06	19458908	(A/T)
10458	CakSNP10458	<i>Kabuli</i>	Ca_Kabuli_Chr06	19476915	(T/C)
10459	CakSNP10459	<i>Kabuli</i>	Ca_Kabuli_Chr06	19476916	(A/G)
10460	CakSNP10460	<i>Kabuli</i>	Ca_Kabuli_Chr06	19477006	(T/C)
10461	CakSNP10461	<i>Kabuli</i>	Ca_Kabuli_Chr06	19478493	(T/A)
10462	CakSNP10462	<i>Kabuli</i>	Ca_Kabuli_Chr06	19494588	(G/T)
10463	CakSNP10463	<i>Kabuli</i>	Ca_Kabuli_Chr06	19494584	(C/A)
10464	CakSNP10464	<i>Kabuli</i>	Ca_Kabuli_Chr06	19551459	(G/A)
10465	CakSNP10465	<i>Kabuli</i>	Ca_Kabuli_Chr06	19551504	(G/C)
10466	CakSNP10466	<i>Kabuli</i>	Ca_Kabuli_Chr06	19556904	(G/A)
10467	CakSNP10467	<i>Kabuli</i>	Ca_Kabuli_Chr06	19557045	(C/T)
10468	CakSNP10468	<i>Kabuli</i>	Ca_Kabuli_Chr06	19578972	(T/C)
10469	CakSNP10469	<i>Kabuli</i>	Ca_Kabuli_Chr06	19725007	(T/A)
10470	CakSNP10470	<i>Kabuli</i>	Ca_Kabuli_Chr06	20505641	(A/T)
10471	CakSNP10471	<i>Kabuli</i>	Ca_Kabuli_Chr06	20558142	(C/T)
10472	CakSNP10472	<i>Kabuli</i>	Ca_Kabuli_Chr06	20558138	(G/A)
10473	CakSNP10473	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660779	(T/C)
10474	CakSNP10474	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660782	(T/C)
10475	CakSNP10475	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660819	(T/C)
10476	CakSNP10476	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660820	(T/A)
10477	CakSNP10477	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660841	(A/G)
10478	CakSNP10478	<i>Kabuli</i>	Ca_Kabuli_Chr06	20660870	(G/C)
10479	CakSNP10479	<i>Kabuli</i>	Ca_Kabuli_Chr06	20671043	(T/C)
10480	CakSNP10480	<i>Kabuli</i>	Ca_Kabuli_Chr06	20739258	(A/T)
10481	CakSNP10481	<i>Kabuli</i>	Ca_Kabuli_Chr06	20739340	(A/G)
10482	CakSNP10482	<i>Kabuli</i>	Ca_Kabuli_Chr06	20766342	(T/A)
10483	CakSNP10483	<i>Kabuli</i>	Ca_Kabuli_Chr06	20766377	(C/A)
10484	CakSNP10484	<i>Kabuli</i>	Ca_Kabuli_Chr06	20766397	(G/T)
10485	CakSNP10485	<i>Kabuli</i>	Ca_Kabuli_Chr06	20770728	(C/T)
10486	CakSNP10486	<i>Kabuli</i>	Ca_Kabuli_Chr06	20776473	(A/G)
10487	CakSNP10487	<i>Kabuli</i>	Ca_Kabuli_Chr06	20786079	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10488	CakSNP10488	<i>Kabuli</i>	Ca_Kabuli_Chr06	20802747	(G/C)
10489	CakSNP10489	<i>Kabuli</i>	Ca_Kabuli_Chr06	20830353	(T/G)
10490	CakSNP10490	<i>Kabuli</i>	Ca_Kabuli_Chr06	20830634	(T/A)
10491	CakSNP10491	<i>Kabuli</i>	Ca_Kabuli_Chr06	20890714	(A/G)
10492	CakSNP10492	<i>Kabuli</i>	Ca_Kabuli_Chr06	20917713	(A/C)
10493	CakSNP10493	<i>Kabuli</i>	Ca_Kabuli_Chr06	20917694	(A/T)
10494	CakSNP10494	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025495	(T/A)
10495	CakSNP10495	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025494	(C/T)
10496	CakSNP10496	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025540	(C/T)
10497	CakSNP10497	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025677	(T/A)
10498	CakSNP10498	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025742	(T/G)
10499	CakSNP10499	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025706	(C/T)
10500	CakSNP10500	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025673	(C/T)
10501	CakSNP10501	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025680	(C/T)
10502	CakSNP10502	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025682	(C/T)
10503	CakSNP10503	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025712	(C/T)
10504	CakSNP10504	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025718	(C/A)
10505	CakSNP10505	<i>Kabuli</i>	Ca_Kabuli_Chr06	21025894	(G/T)
10506	CakSNP10506	<i>Kabuli</i>	Ca_Kabuli_Chr06	21054758	(T/C)
10507	CakSNP10507	<i>Kabuli</i>	Ca_Kabuli_Chr06	21058286	(G/T)
10508	CakSNP10508	<i>Kabuli</i>	Ca_Kabuli_Chr06	21135764	(C/T)
10509	CakSNP10509	<i>Kabuli</i>	Ca_Kabuli_Chr06	21135996	(C/T)
10510	CakSNP10510	<i>Kabuli</i>	Ca_Kabuli_Chr06	21139038	(C/G)
10511	CakSNP10511	<i>Kabuli</i>	Ca_Kabuli_Chr06	21165963	(A/C)
10512	CakSNP10512	<i>Kabuli</i>	Ca_Kabuli_Chr06	21165999	(G/T)
10513	CakSNP10513	<i>Kabuli</i>	Ca_Kabuli_Chr06	21170382	(G/A)
10514	CakSNP10514	<i>Kabuli</i>	Ca_Kabuli_Chr06	21170401	(C/A)
10515	CakSNP10515	<i>Kabuli</i>	Ca_Kabuli_Chr06	21177330	(C/A)
10516	CakSNP10516	<i>Kabuli</i>	Ca_Kabuli_Chr06	21238178	(A/G)
10517	CakSNP10517	<i>Kabuli</i>	Ca_Kabuli_Chr06	21238711	(C/T)
10518	CakSNP10518	<i>Kabuli</i>	Ca_Kabuli_Chr06	21238707	(G/T)
10519	CakSNP10519	<i>Kabuli</i>	Ca_Kabuli_Chr06	21276479	(G/T)
10520	CakSNP10520	<i>Kabuli</i>	Ca_Kabuli_Chr06	21276551	(C/G)
10521	CakSNP10521	<i>Kabuli</i>	Ca_Kabuli_Chr06	21323438	(T/C)
10522	CakSNP10522	<i>Kabuli</i>	Ca_Kabuli_Chr06	21323390	(C/G)
10523	CakSNP10523	<i>Kabuli</i>	Ca_Kabuli_Chr06	21367869	(A/G)
10524	CakSNP10524	<i>Kabuli</i>	Ca_Kabuli_Chr06	21367830	(T/A)
10525	CakSNP10525	<i>Kabuli</i>	Ca_Kabuli_Chr06	21368163	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10526	CakSNP10526	<i>Kabuli</i>	Ca_Kabuli_Chr06	21385915	(C/A)
10527	CakSNP10527	<i>Kabuli</i>	Ca_Kabuli_Chr06	21478820	(G/T)
10528	CakSNP10528	<i>Kabuli</i>	Ca_Kabuli_Chr06	21478816	(C/T)
10529	CakSNP10529	<i>Kabuli</i>	Ca_Kabuli_Chr06	21483425	(T/G)
10530	CakSNP10530	<i>Kabuli</i>	Ca_Kabuli_Chr06	21483429	(C/T)
10531	CakSNP10531	<i>Kabuli</i>	Ca_Kabuli_Chr06	21483494	(T/G)
10532	CakSNP10532	<i>Kabuli</i>	Ca_Kabuli_Chr06	21489498	(A/G)
10533	CakSNP10533	<i>Kabuli</i>	Ca_Kabuli_Chr06	21506224	(A/C)
10534	CakSNP10534	<i>Kabuli</i>	Ca_Kabuli_Chr06	21540338	(A/G)
10535	CakSNP10535	<i>Kabuli</i>	Ca_Kabuli_Chr06	21540382	(T/G)
10536	CakSNP10536	<i>Kabuli</i>	Ca_Kabuli_Chr06	21576745	(G/A)
10537	CakSNP10537	<i>Kabuli</i>	Ca_Kabuli_Chr06	21602874	(C/T)
10538	CakSNP10538	<i>Kabuli</i>	Ca_Kabuli_Chr06	21603102	(G/C)
10539	CakSNP10539	<i>Kabuli</i>	Ca_Kabuli_Chr06	21675734	(T/G)
10540	CakSNP10540	<i>Kabuli</i>	Ca_Kabuli_Chr06	21675757	(A/G)
10541	CakSNP10541	<i>Kabuli</i>	Ca_Kabuli_Chr06	21675762	(G/T)
10542	CakSNP10542	<i>Kabuli</i>	Ca_Kabuli_Chr06	21675816	(C/G)
10543	CakSNP10543	<i>Kabuli</i>	Ca_Kabuli_Chr06	21718674	(G/T)
10544	CakSNP10544	<i>Kabuli</i>	Ca_Kabuli_Chr06	21756666	(A/T)
10545	CakSNP10545	<i>Kabuli</i>	Ca_Kabuli_Chr06	21756706	(C/T)
10546	CakSNP10546	<i>Kabuli</i>	Ca_Kabuli_Chr06	21763468	(G/A)
10547	CakSNP10547	<i>Kabuli</i>	Ca_Kabuli_Chr06	21763611	(C/T)
10548	CakSNP10548	<i>Kabuli</i>	Ca_Kabuli_Chr06	21763582	(C/T)
10549	CakSNP10549	<i>Kabuli</i>	Ca_Kabuli_Chr06	21804333	(T/A)
10550	CakSNP10550	<i>Kabuli</i>	Ca_Kabuli_Chr06	21804337	(G/C)
10551	CakSNP10551	<i>Kabuli</i>	Ca_Kabuli_Chr06	21834111	(C/G)
10552	CakSNP10552	<i>Kabuli</i>	Ca_Kabuli_Chr06	21861700	(T/A)
10553	CakSNP10553	<i>Kabuli</i>	Ca_Kabuli_Chr06	21914387	(T/C)
10554	CakSNP10554	<i>Kabuli</i>	Ca_Kabuli_Chr06	21914380	(C/T)
10555	CakSNP10555	<i>Kabuli</i>	Ca_Kabuli_Chr06	21916465	(G/A)
10556	CakSNP10556	<i>Kabuli</i>	Ca_Kabuli_Chr06	21916476	(T/C)
10557	CakSNP10557	<i>Kabuli</i>	Ca_Kabuli_Chr06	21940793	(T/C)
10558	CakSNP10558	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979846	(G/A)
10559	CakSNP10559	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979860	(C/T)
10560	CakSNP10560	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979873	(A/G)
10561	CakSNP10561	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979887	(G/A)
10562	CakSNP10562	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979889	(A/G)
10563	CakSNP10563	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979893	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10564	CakSNP10564	<i>Kabuli</i>	Ca_Kabuli_Chr06	21979903	(T/C)
10565	CakSNP10565	<i>Kabuli</i>	Ca_Kabuli_Chr06	22015915	(G/T)
10566	CakSNP10566	<i>Kabuli</i>	Ca_Kabuli_Chr06	22016086	(A/G)
10567	CakSNP10567	<i>Kabuli</i>	Ca_Kabuli_Chr06	22016767	(C/T)
10568	CakSNP10568	<i>Kabuli</i>	Ca_Kabuli_Chr06	22016839	(A/G)
10569	CakSNP10569	<i>Kabuli</i>	Ca_Kabuli_Chr06	22038857	(A/G)
10570	CakSNP10570	<i>Kabuli</i>	Ca_Kabuli_Chr06	22038906	(A/T)
10571	CakSNP10571	<i>Kabuli</i>	Ca_Kabuli_Chr06	22074809	(T/C)
10572	CakSNP10572	<i>Kabuli</i>	Ca_Kabuli_Chr06	22075447	(C/G)
10573	CakSNP10573	<i>Kabuli</i>	Ca_Kabuli_Chr06	22079148	(A/G)
10574	CakSNP10574	<i>Kabuli</i>	Ca_Kabuli_Chr06	22137477	(A/T)
10575	CakSNP10575	<i>Kabuli</i>	Ca_Kabuli_Chr06	22137464	(G/A)
10576	CakSNP10576	<i>Kabuli</i>	Ca_Kabuli_Chr06	22137569	(G/T)
10577	CakSNP10577	<i>Kabuli</i>	Ca_Kabuli_Chr06	22175547	(A/G)
10578	CakSNP10578	<i>Kabuli</i>	Ca_Kabuli_Chr06	22192503	(G/A)
10579	CakSNP10579	<i>Kabuli</i>	Ca_Kabuli_Chr06	22192498	(A/C)
10580	CakSNP10580	<i>Kabuli</i>	Ca_Kabuli_Chr06	22194387	(C/A)
10581	CakSNP10581	<i>Kabuli</i>	Ca_Kabuli_Chr06	22201688	(C/T)
10582	CakSNP10582	<i>Kabuli</i>	Ca_Kabuli_Chr06	22206341	(G/T)
10583	CakSNP10583	<i>Kabuli</i>	Ca_Kabuli_Chr06	22208130	(G/C)
10584	CakSNP10584	<i>Kabuli</i>	Ca_Kabuli_Chr06	22208125	(G/A)
10585	CakSNP10585	<i>Kabuli</i>	Ca_Kabuli_Chr06	22208093	(G/A)
10586	CakSNP10586	<i>Kabuli</i>	Ca_Kabuli_Chr06	22211721	(C/T)
10587	CakSNP10587	<i>Kabuli</i>	Ca_Kabuli_Chr06	22211823	(T/C)
10588	CakSNP10588	<i>Kabuli</i>	Ca_Kabuli_Chr06	22217158	(A/G)
10589	CakSNP10589	<i>Kabuli</i>	Ca_Kabuli_Chr06	22217157	(T/G)
10590	CakSNP10590	<i>Kabuli</i>	Ca_Kabuli_Chr06	22217107	(G/A)
10591	CakSNP10591	<i>Kabuli</i>	Ca_Kabuli_Chr06	22225288	(T/G)
10592	CakSNP10592	<i>Kabuli</i>	Ca_Kabuli_Chr06	22235449	(G/A)
10593	CakSNP10593	<i>Kabuli</i>	Ca_Kabuli_Chr06	22235421	(T/A)
10594	CakSNP10594	<i>Kabuli</i>	Ca_Kabuli_Chr06	22236475	(T/A)
10595	CakSNP10595	<i>Kabuli</i>	Ca_Kabuli_Chr06	22252149	(G/A)
10596	CakSNP10596	<i>Kabuli</i>	Ca_Kabuli_Chr06	22262999	(A/C)
10597	CakSNP10597	<i>Kabuli</i>	Ca_Kabuli_Chr06	22263011	(T/C)
10598	CakSNP10598	<i>Kabuli</i>	Ca_Kabuli_Chr06	22263388	(A/G)
10599	CakSNP10599	<i>Kabuli</i>	Ca_Kabuli_Chr06	22263452	(A/T)
10600	CakSNP10600	<i>Kabuli</i>	Ca_Kabuli_Chr06	22279906	(T/G)
10601	CakSNP10601	<i>Kabuli</i>	Ca_Kabuli_Chr06	22287922	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10602	CakSNP10602	<i>Kabuli</i>	Ca_Kabuli_Chr06	22334733	(C/T)
10603	CakSNP10603	<i>Kabuli</i>	Ca_Kabuli_Chr06	22352976	(T/C)
10604	CakSNP10604	<i>Kabuli</i>	Ca_Kabuli_Chr06	22370242	(C/T)
10605	CakSNP10605	<i>Kabuli</i>	Ca_Kabuli_Chr06	22371908	(A/C)
10606	CakSNP10606	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446629	(G/A)
10607	CakSNP10607	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446621	(A/C)
10608	CakSNP10608	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446610	(G/A)
10609	CakSNP10609	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446570	(C/T)
10610	CakSNP10610	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446649	(C/T)
10611	CakSNP10611	<i>Kabuli</i>	Ca_Kabuli_Chr06	22446644	(C/T)
10612	CakSNP10612	<i>Kabuli</i>	Ca_Kabuli_Chr06	22482366	(A/C)
10613	CakSNP10613	<i>Kabuli</i>	Ca_Kabuli_Chr06	22498553	(T/C)
10614	CakSNP10614	<i>Kabuli</i>	Ca_Kabuli_Chr06	22498867	(T/C)
10615	CakSNP10615	<i>Kabuli</i>	Ca_Kabuli_Chr06	22518747	(G/T)
10616	CakSNP10616	<i>Kabuli</i>	Ca_Kabuli_Chr06	22879982	(C/T)
10617	CakSNP10617	<i>Kabuli</i>	Ca_Kabuli_Chr06	22881176	(A/T)
10618	CakSNP10618	<i>Kabuli</i>	Ca_Kabuli_Chr06	22933938	(T/A)
10619	CakSNP10619	<i>Kabuli</i>	Ca_Kabuli_Chr06	22952185	(G/A)
10620	CakSNP10620	<i>Kabuli</i>	Ca_Kabuli_Chr06	22952253	(C/T)
10621	CakSNP10621	<i>Kabuli</i>	Ca_Kabuli_Chr06	22966001	(C/A)
10622	CakSNP10622	<i>Kabuli</i>	Ca_Kabuli_Chr06	22986891	(T/C)
10623	CakSNP10623	<i>Kabuli</i>	Ca_Kabuli_Chr06	22986869	(G/C)
10624	CakSNP10624	<i>Kabuli</i>	Ca_Kabuli_Chr06	23014724	(T/A)
10625	CakSNP10625	<i>Kabuli</i>	Ca_Kabuli_Chr06	23039165	(T/C)
10626	CakSNP10626	<i>Kabuli</i>	Ca_Kabuli_Chr06	23039147	(G/A)
10627	CakSNP10627	<i>Kabuli</i>	Ca_Kabuli_Chr06	23039145	(A/G)
10628	CakSNP10628	<i>Kabuli</i>	Ca_Kabuli_Chr06	23039125	(G/A)
10629	CakSNP10629	<i>Kabuli</i>	Ca_Kabuli_Chr06	23039097	(C/T)
10630	CakSNP10630	<i>Kabuli</i>	Ca_Kabuli_Chr06	23046076	(C/T)
10631	CakSNP10631	<i>Kabuli</i>	Ca_Kabuli_Chr06	23113706	(A/G)
10632	CakSNP10632	<i>Kabuli</i>	Ca_Kabuli_Chr06	23129516	(A/G)
10633	CakSNP10633	<i>Kabuli</i>	Ca_Kabuli_Chr06	23129504	(C/G)
10634	CakSNP10634	<i>Kabuli</i>	Ca_Kabuli_Chr06	23145532	(T/A)
10635	CakSNP10635	<i>Kabuli</i>	Ca_Kabuli_Chr06	23166355	(A/C)
10636	CakSNP10636	<i>Kabuli</i>	Ca_Kabuli_Chr06	23253687	(G/A)
10637	CakSNP10637	<i>Kabuli</i>	Ca_Kabuli_Chr06	23253973	(G/C)
10638	CakSNP10638	<i>Kabuli</i>	Ca_Kabuli_Chr06	23254642	(A/G)
10639	CakSNP10639	<i>Kabuli</i>	Ca_Kabuli_Chr06	23256848	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10640	CakSNP10640	<i>Kabuli</i>	Ca_Kabuli_Chr06	23256891	(T/G)
10641	CakSNP10641	<i>Kabuli</i>	Ca_Kabuli_Chr06	23380746	(G/A)
10642	CakSNP10642	<i>Kabuli</i>	Ca_Kabuli_Chr06	23393426	(T/C)
10643	CakSNP10643	<i>Kabuli</i>	Ca_Kabuli_Chr06	23393446	(A/G)
10644	CakSNP10644	<i>Kabuli</i>	Ca_Kabuli_Chr06	23393469	(T/C)
10645	CakSNP10645	<i>Kabuli</i>	Ca_Kabuli_Chr06	23393491	(T/G)
10646	CakSNP10646	<i>Kabuli</i>	Ca_Kabuli_Chr06	23399103	(A/G)
10647	CakSNP10647	<i>Kabuli</i>	Ca_Kabuli_Chr06	23424061	(T/G)
10648	CakSNP10648	<i>Kabuli</i>	Ca_Kabuli_Chr06	23549220	(A/T)
10649	CakSNP10649	<i>Kabuli</i>	Ca_Kabuli_Chr06	23638882	(A/G)
10650	CakSNP10650	<i>Kabuli</i>	Ca_Kabuli_Chr06	23663204	(C/A)
10651	CakSNP10651	<i>Kabuli</i>	Ca_Kabuli_Chr06	23663201	(T/C)
10652	CakSNP10652	<i>Kabuli</i>	Ca_Kabuli_Chr06	23663180	(G/T)
10653	CakSNP10653	<i>Kabuli</i>	Ca_Kabuli_Chr06	23688740	(C/T)
10654	CakSNP10654	<i>Kabuli</i>	Ca_Kabuli_Chr06	23688723	(A/G)
10655	CakSNP10655	<i>Kabuli</i>	Ca_Kabuli_Chr06	23691440	(A/C)
10656	CakSNP10656	<i>Kabuli</i>	Ca_Kabuli_Chr06	23766943	(C/T)
10657	CakSNP10657	<i>Kabuli</i>	Ca_Kabuli_Chr06	23768142	(A/T)
10658	CakSNP10658	<i>Kabuli</i>	Ca_Kabuli_Chr06	23809120	(G/A)
10659	CakSNP10659	<i>Kabuli</i>	Ca_Kabuli_Chr06	23890836	(A/G)
10660	CakSNP10660	<i>Kabuli</i>	Ca_Kabuli_Chr06	23891065	(G/A)
10661	CakSNP10661	<i>Kabuli</i>	Ca_Kabuli_Chr06	23916260	(A/G)
10662	CakSNP10662	<i>Kabuli</i>	Ca_Kabuli_Chr06	23963812	(T/C)
10663	CakSNP10663	<i>Kabuli</i>	Ca_Kabuli_Chr06	23973410	(G/A)
10664	CakSNP10664	<i>Kabuli</i>	Ca_Kabuli_Chr06	24007185	(C/T)
10665	CakSNP10665	<i>Kabuli</i>	Ca_Kabuli_Chr06	24007863	(T/C)
10666	CakSNP10666	<i>Kabuli</i>	Ca_Kabuli_Chr06	24061578	(G/T)
10667	CakSNP10667	<i>Kabuli</i>	Ca_Kabuli_Chr06	24085747	(G/T)
10668	CakSNP10668	<i>Kabuli</i>	Ca_Kabuli_Chr06	24085795	(C/T)
10669	CakSNP10669	<i>Kabuli</i>	Ca_Kabuli_Chr06	24085807	(A/T)
10670	CakSNP10670	<i>Kabuli</i>	Ca_Kabuli_Chr06	24138357	(A/G)
10671	CakSNP10671	<i>Kabuli</i>	Ca_Kabuli_Chr06	24138388	(T/C)
10672	CakSNP10672	<i>Kabuli</i>	Ca_Kabuli_Chr06	24174940	(C/T)
10673	CakSNP10673	<i>Kabuli</i>	Ca_Kabuli_Chr06	24260527	(T/C)
10674	CakSNP10674	<i>Kabuli</i>	Ca_Kabuli_Chr06	24301508	(T/A)
10675	CakSNP10675	<i>Kabuli</i>	Ca_Kabuli_Chr06	24302205	(A/G)
10676	CakSNP10676	<i>Kabuli</i>	Ca_Kabuli_Chr06	24381949	(A/G)
10677	CakSNP10677	<i>Kabuli</i>	Ca_Kabuli_Chr06	24381937	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10678	CakSNP10678	<i>Kabuli</i>	Ca_Kabuli_Chr06	24403316	(G/T)
10679	CakSNP10679	<i>Kabuli</i>	Ca_Kabuli_Chr06	24413675	(T/C)
10680	CakSNP10680	<i>Kabuli</i>	Ca_Kabuli_Chr06	24413714	(G/A)
10681	CakSNP10681	<i>Kabuli</i>	Ca_Kabuli_Chr06	24414512	(G/C)
10682	CakSNP10682	<i>Kabuli</i>	Ca_Kabuli_Chr06	24454583	(C/T)
10683	CakSNP10683	<i>Kabuli</i>	Ca_Kabuli_Chr06	24454557	(T/C)
10684	CakSNP10684	<i>Kabuli</i>	Ca_Kabuli_Chr06	24516523	(A/T)
10685	CakSNP10685	<i>Kabuli</i>	Ca_Kabuli_Chr06	24516528	(A/T)
10686	CakSNP10686	<i>Kabuli</i>	Ca_Kabuli_Chr06	24516532	(C/T)
10687	CakSNP10687	<i>Kabuli</i>	Ca_Kabuli_Chr06	24547086	(T/G)
10688	CakSNP10688	<i>Kabuli</i>	Ca_Kabuli_Chr06	24644924	(T/G)
10689	CakSNP10689	<i>Kabuli</i>	Ca_Kabuli_Chr06	24661895	(G/A)
10690	CakSNP10690	<i>Kabuli</i>	Ca_Kabuli_Chr06	24661916	(C/T)
10691	CakSNP10691	<i>Kabuli</i>	Ca_Kabuli_Chr06	24661937	(C/T)
10692	CakSNP10692	<i>Kabuli</i>	Ca_Kabuli_Chr06	24661945	(T/A)
10693	CakSNP10693	<i>Kabuli</i>	Ca_Kabuli_Chr06	24661986	(G/A)
10694	CakSNP10694	<i>Kabuli</i>	Ca_Kabuli_Chr06	25575097	(T/C)
10695	CakSNP10695	<i>Kabuli</i>	Ca_Kabuli_Chr06	25575078	(C/T)
10696	CakSNP10696	<i>Kabuli</i>	Ca_Kabuli_Chr06	25575062	(G/A)
10697	CakSNP10697	<i>Kabuli</i>	Ca_Kabuli_Chr06	25575045	(C/A)
10698	CakSNP10698	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604942	(C/A)
10699	CakSNP10699	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604936	(C/T)
10700	CakSNP10700	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604931	(C/A)
10701	CakSNP10701	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604922	(A/G)
10702	CakSNP10702	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604954	(C/T)
10703	CakSNP10703	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604962	(G/A)
10704	CakSNP10704	<i>Kabuli</i>	Ca_Kabuli_Chr06	25604994	(T/C)
10705	CakSNP10705	<i>Kabuli</i>	Ca_Kabuli_Chr06	25605006	(C/A)
10706	CakSNP10706	<i>Kabuli</i>	Ca_Kabuli_Chr06	25605023	(C/A)
10707	CakSNP10707	<i>Kabuli</i>	Ca_Kabuli_Chr06	25605022	(T/C)
10708	CakSNP10708	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850717	(C/T)
10709	CakSNP10709	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850725	(T/G)
10710	CakSNP10710	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850736	(C/T)
10711	CakSNP10711	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850760	(T/A)
10712	CakSNP10712	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850759	(C/A)
10713	CakSNP10713	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850783	(G/A)
10714	CakSNP10714	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850816	(C/A)
10715	CakSNP10715	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850813	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10716	CakSNP10716	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850866	(C/G)
10717	CakSNP10717	<i>Kabuli</i>	Ca_Kabuli_Chr06	25850827	(C/T)
10718	CakSNP10718	<i>Kabuli</i>	Ca_Kabuli_Chr06	26349363	(C/A)
10719	CakSNP10719	<i>Kabuli</i>	Ca_Kabuli_Chr06	26349321	(C/T)
10720	CakSNP10720	<i>Kabuli</i>	Ca_Kabuli_Chr06	26349434	(G/A)
10721	CakSNP10721	<i>Kabuli</i>	Ca_Kabuli_Chr06	26349451	(T/C)
10722	CakSNP10722	<i>Kabuli</i>	Ca_Kabuli_Chr06	26353512	(C/T)
10723	CakSNP10723	<i>Kabuli</i>	Ca_Kabuli_Chr06	26353740	(G/C)
10724	CakSNP10724	<i>Kabuli</i>	Ca_Kabuli_Chr06	26357149	(C/G)
10725	CakSNP10725	<i>Kabuli</i>	Ca_Kabuli_Chr06	26360367	(C/A)
10726	CakSNP10726	<i>Kabuli</i>	Ca_Kabuli_Chr06	26385448	(A/G)
10727	CakSNP10727	<i>Kabuli</i>	Ca_Kabuli_Chr06	26385444	(C/T)
10728	CakSNP10728	<i>Kabuli</i>	Ca_Kabuli_Chr06	26385432	(T/C)
10729	CakSNP10729	<i>Kabuli</i>	Ca_Kabuli_Chr06	26426239	(C/A)
10730	CakSNP10730	<i>Kabuli</i>	Ca_Kabuli_Chr06	26426252	(A/G)
10731	CakSNP10731	<i>Kabuli</i>	Ca_Kabuli_Chr06	26426283	(G/A)
10732	CakSNP10732	<i>Kabuli</i>	Ca_Kabuli_Chr06	26527086	(T/C)
10733	CakSNP10733	<i>Kabuli</i>	Ca_Kabuli_Chr06	26527111	(G/T)
10734	CakSNP10734	<i>Kabuli</i>	Ca_Kabuli_Chr06	26527161	(C/G)
10735	CakSNP10735	<i>Kabuli</i>	Ca_Kabuli_Chr06	26527416	(C/T)
10736	CakSNP10736	<i>Kabuli</i>	Ca_Kabuli_Chr06	26549168	(T/G)
10737	CakSNP10737	<i>Kabuli</i>	Ca_Kabuli_Chr06	26549181	(C/T)
10738	CakSNP10738	<i>Kabuli</i>	Ca_Kabuli_Chr06	26551390	(C/T)
10739	CakSNP10739	<i>Kabuli</i>	Ca_Kabuli_Chr06	26551703	(T/G)
10740	CakSNP10740	<i>Kabuli</i>	Ca_Kabuli_Chr06	26567360	(A/G)
10741	CakSNP10741	<i>Kabuli</i>	Ca_Kabuli_Chr06	26656016	(T/C)
10742	CakSNP10742	<i>Kabuli</i>	Ca_Kabuli_Chr06	26698265	(A/C)
10743	CakSNP10743	<i>Kabuli</i>	Ca_Kabuli_Chr06	26703130	(A/G)
10744	CakSNP10744	<i>Kabuli</i>	Ca_Kabuli_Chr06	26703132	(T/C)
10745	CakSNP10745	<i>Kabuli</i>	Ca_Kabuli_Chr06	26767389	(T/C)
10746	CakSNP10746	<i>Kabuli</i>	Ca_Kabuli_Chr06	26769087	(C/A)
10747	CakSNP10747	<i>Kabuli</i>	Ca_Kabuli_Chr06	26928255	(T/C)
10748	CakSNP10748	<i>Kabuli</i>	Ca_Kabuli_Chr06	27053217	(A/G)
10749	CakSNP10749	<i>Kabuli</i>	Ca_Kabuli_Chr06	27053288	(G/C)
10750	CakSNP10750	<i>Kabuli</i>	Ca_Kabuli_Chr06	27139791	(T/C)
10751	CakSNP10751	<i>Kabuli</i>	Ca_Kabuli_Chr06	27139816	(T/C)
10752	CakSNP10752	<i>Kabuli</i>	Ca_Kabuli_Chr06	27190671	(G/A)
10753	CakSNP10753	<i>Kabuli</i>	Ca_Kabuli_Chr06	27192557	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10754	CakSNP10754	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310342	(A/T)
10755	CakSNP10755	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310341	(G/T)
10756	CakSNP10756	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310336	(A/T)
10757	CakSNP10757	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310333	(C/T)
10758	CakSNP10758	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310328	(T/A)
10759	CakSNP10759	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310327	(A/T)
10760	CakSNP10760	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310325	(G/T)
10761	CakSNP10761	<i>Kabuli</i>	Ca_Kabuli_Chr06	27310315	(C/T)
10762	CakSNP10762	<i>Kabuli</i>	Ca_Kabuli_Chr06	27326420	(G/A)
10763	CakSNP10763	<i>Kabuli</i>	Ca_Kabuli_Chr06	27326978	(C/T)
10764	CakSNP10764	<i>Kabuli</i>	Ca_Kabuli_Chr06	27330059	(T/C)
10765	CakSNP10765	<i>Kabuli</i>	Ca_Kabuli_Chr06	27330159	(C/T)
10766	CakSNP10766	<i>Kabuli</i>	Ca_Kabuli_Chr06	27331165	(T/C)
10767	CakSNP10767	<i>Kabuli</i>	Ca_Kabuli_Chr06	27331318	(A/C)
10768	CakSNP10768	<i>Kabuli</i>	Ca_Kabuli_Chr06	27364381	(A/G)
10769	CakSNP10769	<i>Kabuli</i>	Ca_Kabuli_Chr06	27364395	(C/T)
10770	CakSNP10770	<i>Kabuli</i>	Ca_Kabuli_Chr06	27364402	(T/A)
10771	CakSNP10771	<i>Kabuli</i>	Ca_Kabuli_Chr06	27364428	(G/T)
10772	CakSNP10772	<i>Kabuli</i>	Ca_Kabuli_Chr06	27364452	(A/T)
10773	CakSNP10773	<i>Kabuli</i>	Ca_Kabuli_Chr06	27383746	(A/T)
10774	CakSNP10774	<i>Kabuli</i>	Ca_Kabuli_Chr06	27383745	(G/T)
10775	CakSNP10775	<i>Kabuli</i>	Ca_Kabuli_Chr06	27383744	(G/T)
10776	CakSNP10776	<i>Kabuli</i>	Ca_Kabuli_Chr06	27383718	(C/T)
10777	CakSNP10777	<i>Kabuli</i>	Ca_Kabuli_Chr06	27515184	(C/T)
10778	CakSNP10778	<i>Kabuli</i>	Ca_Kabuli_Chr06	27515293	(G/A)
10779	CakSNP10779	<i>Kabuli</i>	Ca_Kabuli_Chr06	27537433	(A/G)
10780	CakSNP10780	<i>Kabuli</i>	Ca_Kabuli_Chr06	27558154	(A/G)
10781	CakSNP10781	<i>Kabuli</i>	Ca_Kabuli_Chr06	27578968	(A/G)
10782	CakSNP10782	<i>Kabuli</i>	Ca_Kabuli_Chr06	27592117	(G/T)
10783	CakSNP10783	<i>Kabuli</i>	Ca_Kabuli_Chr06	27592070	(A/G)
10784	CakSNP10784	<i>Kabuli</i>	Ca_Kabuli_Chr06	27606193	(A/C)
10785	CakSNP10785	<i>Kabuli</i>	Ca_Kabuli_Chr06	27606210	(C/T)
10786	CakSNP10786	<i>Kabuli</i>	Ca_Kabuli_Chr06	27622037	(A/C)
10787	CakSNP10787	<i>Kabuli</i>	Ca_Kabuli_Chr06	27622045	(A/G)
10788	CakSNP10788	<i>Kabuli</i>	Ca_Kabuli_Chr06	27622053	(A/G)
10789	CakSNP10789	<i>Kabuli</i>	Ca_Kabuli_Chr06	27636256	(A/G)
10790	CakSNP10790	<i>Kabuli</i>	Ca_Kabuli_Chr06	27655605	(A/G)
10791	CakSNP10791	<i>Kabuli</i>	Ca_Kabuli_Chr06	27660980	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10792	CakSNP10792	<i>Kabuli</i>	Ca_Kabuli_Chr06	27660971	(T/C)
10793	CakSNP10793	<i>Kabuli</i>	Ca_Kabuli_Chr06	27661951	(C/T)
10794	CakSNP10794	<i>Kabuli</i>	Ca_Kabuli_Chr06	27662026	(C/T)
10795	CakSNP10795	<i>Kabuli</i>	Ca_Kabuli_Chr06	27710531	(T/G)
10796	CakSNP10796	<i>Kabuli</i>	Ca_Kabuli_Chr06	27710547	(A/T)
10797	CakSNP10797	<i>Kabuli</i>	Ca_Kabuli_Chr06	27842297	(G/A)
10798	CakSNP10798	<i>Kabuli</i>	Ca_Kabuli_Chr06	27865048	(C/T)
10799	CakSNP10799	<i>Kabuli</i>	Ca_Kabuli_Chr06	27865046	(G/A)
10800	CakSNP10800	<i>Kabuli</i>	Ca_Kabuli_Chr06	27864997	(C/A)
10801	CakSNP10801	<i>Kabuli</i>	Ca_Kabuli_Chr06	27986719	(A/G)
10802	CakSNP10802	<i>Kabuli</i>	Ca_Kabuli_Chr06	28021899	(C/T)
10803	CakSNP10803	<i>Kabuli</i>	Ca_Kabuli_Chr06	28044830	(C/A)
10804	CakSNP10804	<i>Kabuli</i>	Ca_Kabuli_Chr06	28052463	(T/G)
10805	CakSNP10805	<i>Kabuli</i>	Ca_Kabuli_Chr06	28074393	(T/C)
10806	CakSNP10806	<i>Kabuli</i>	Ca_Kabuli_Chr06	28076323	(T/A)
10807	CakSNP10807	<i>Kabuli</i>	Ca_Kabuli_Chr06	28076364	(T/G)
10808	CakSNP10808	<i>Kabuli</i>	Ca_Kabuli_Chr06	28076436	(A/T)
10809	CakSNP10809	<i>Kabuli</i>	Ca_Kabuli_Chr06	28177397	(A/C)
10810	CakSNP10810	<i>Kabuli</i>	Ca_Kabuli_Chr06	28325392	(C/T)
10811	CakSNP10811	<i>Kabuli</i>	Ca_Kabuli_Chr06	28372130	(C/T)
10812	CakSNP10812	<i>Kabuli</i>	Ca_Kabuli_Chr06	28574699	(T/C)
10813	CakSNP10813	<i>Kabuli</i>	Ca_Kabuli_Chr06	28575509	(T/C)
10814	CakSNP10814	<i>Kabuli</i>	Ca_Kabuli_Chr06	28575491	(G/A)
10815	CakSNP10815	<i>Kabuli</i>	Ca_Kabuli_Chr06	28615404	(G/T)
10816	CakSNP10816	<i>Kabuli</i>	Ca_Kabuli_Chr06	28615475	(A/G)
10817	CakSNP10817	<i>Kabuli</i>	Ca_Kabuli_Chr06	28650056	(A/G)
10818	CakSNP10818	<i>Kabuli</i>	Ca_Kabuli_Chr06	28727478	(T/C)
10819	CakSNP10819	<i>Kabuli</i>	Ca_Kabuli_Chr06	28728293	(A/C)
10820	CakSNP10820	<i>Kabuli</i>	Ca_Kabuli_Chr06	28755298	(T/A)
10821	CakSNP10821	<i>Kabuli</i>	Ca_Kabuli_Chr06	28757208	(C/A)
10822	CakSNP10822	<i>Kabuli</i>	Ca_Kabuli_Chr06	28757204	(G/A)
10823	CakSNP10823	<i>Kabuli</i>	Ca_Kabuli_Chr06	28757139	(C/A)
10824	CakSNP10824	<i>Kabuli</i>	Ca_Kabuli_Chr06	28887176	(G/A)
10825	CakSNP10825	<i>Kabuli</i>	Ca_Kabuli_Chr06	28887188	(G/T)
10826	CakSNP10826	<i>Kabuli</i>	Ca_Kabuli_Chr06	28887201	(A/G)
10827	CakSNP10827	<i>Kabuli</i>	Ca_Kabuli_Chr06	28887212	(C/T)
10828	CakSNP10828	<i>Kabuli</i>	Ca_Kabuli_Chr06	28892743	(G/C)
10829	CakSNP10829	<i>Kabuli</i>	Ca_Kabuli_Chr06	28893411	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10830	CakSNP10830	<i>Kabuli</i>	Ca_Kabuli_Chr06	28917705	(T/A)
10831	CakSNP10831	<i>Kabuli</i>	Ca_Kabuli_Chr06	28947529	(A/C)
10832	CakSNP10832	<i>Kabuli</i>	Ca_Kabuli_Chr06	28990518	(A/G)
10833	CakSNP10833	<i>Kabuli</i>	Ca_Kabuli_Chr06	29085558	(T/C)
10834	CakSNP10834	<i>Kabuli</i>	Ca_Kabuli_Chr06	29163667	(C/A)
10835	CakSNP10835	<i>Kabuli</i>	Ca_Kabuli_Chr06	29163714	(G/C)
10836	CakSNP10836	<i>Kabuli</i>	Ca_Kabuli_Chr06	29163699	(T/A)
10837	CakSNP10837	<i>Kabuli</i>	Ca_Kabuli_Chr06	29163642	(G/A)
10838	CakSNP10838	<i>Kabuli</i>	Ca_Kabuli_Chr06	29163640	(A/C)
10839	CakSNP10839	<i>Kabuli</i>	Ca_Kabuli_Chr06	29203129	(C/G)
10840	CakSNP10840	<i>Kabuli</i>	Ca_Kabuli_Chr06	29203201	(G/C)
10841	CakSNP10841	<i>Kabuli</i>	Ca_Kabuli_Chr06	29203210	(T/C)
10842	CakSNP10842	<i>Kabuli</i>	Ca_Kabuli_Chr06	29205260	(A/G)
10843	CakSNP10843	<i>Kabuli</i>	Ca_Kabuli_Chr06	29205940	(A/G)
10844	CakSNP10844	<i>Kabuli</i>	Ca_Kabuli_Chr06	29206008	(A/G)
10845	CakSNP10845	<i>Kabuli</i>	Ca_Kabuli_Chr06	29307254	(A/G)
10846	CakSNP10846	<i>Kabuli</i>	Ca_Kabuli_Chr06	29495856	(C/T)
10847	CakSNP10847	<i>Kabuli</i>	Ca_Kabuli_Chr06	29934610	(A/T)
10848	CakSNP10848	<i>Kabuli</i>	Ca_Kabuli_Chr06	30127756	(T/G)
10849	CakSNP10849	<i>Kabuli</i>	Ca_Kabuli_Chr06	30257217	(C/T)
10850	CakSNP10850	<i>Kabuli</i>	Ca_Kabuli_Chr06	30257284	(A/C)
10851	CakSNP10851	<i>Kabuli</i>	Ca_Kabuli_Chr06	30567073	(G/A)
10852	CakSNP10852	<i>Kabuli</i>	Ca_Kabuli_Chr06	30676031	(G/T)
10853	CakSNP10853	<i>Kabuli</i>	Ca_Kabuli_Chr06	30676320	(T/C)
10854	CakSNP10854	<i>Kabuli</i>	Ca_Kabuli_Chr06	30676248	(C/T)
10855	CakSNP10855	<i>Kabuli</i>	Ca_Kabuli_Chr06	30761620	(C/T)
10856	CakSNP10856	<i>Kabuli</i>	Ca_Kabuli_Chr06	30761641	(G/T)
10857	CakSNP10857	<i>Kabuli</i>	Ca_Kabuli_Chr06	30913932	(T/C)
10858	CakSNP10858	<i>Kabuli</i>	Ca_Kabuli_Chr06	30926084	(G/A)
10859	CakSNP10859	<i>Kabuli</i>	Ca_Kabuli_Chr06	30927221	(C/G)
10860	CakSNP10860	<i>Kabuli</i>	Ca_Kabuli_Chr06	31011743	(A/G)
10861	CakSNP10861	<i>Kabuli</i>	Ca_Kabuli_Chr06	31024728	(A/T)
10862	CakSNP10862	<i>Kabuli</i>	Ca_Kabuli_Chr06	31025560	(C/G)
10863	CakSNP10863	<i>Kabuli</i>	Ca_Kabuli_Chr06	31038808	(C/T)
10864	CakSNP10864	<i>Kabuli</i>	Ca_Kabuli_Chr06	31048949	(T/C)
10865	CakSNP10865	<i>Kabuli</i>	Ca_Kabuli_Chr06	31057806	(C/T)
10866	CakSNP10866	<i>Kabuli</i>	Ca_Kabuli_Chr06	31068678	(G/A)
10867	CakSNP10867	<i>Kabuli</i>	Ca_Kabuli_Chr06	31324962	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10868	CakSNP10868	<i>Kabuli</i>	Ca_Kabuli_Chr06	31324976	(A/G)
10869	CakSNP10869	<i>Kabuli</i>	Ca_Kabuli_Chr06	31408895	(G/T)
10870	CakSNP10870	<i>Kabuli</i>	Ca_Kabuli_Chr06	31408969	(C/T)
10871	CakSNP10871	<i>Kabuli</i>	Ca_Kabuli_Chr06	31495897	(C/A)
10872	CakSNP10872	<i>Kabuli</i>	Ca_Kabuli_Chr06	31495903	(A/G)
10873	CakSNP10873	<i>Kabuli</i>	Ca_Kabuli_Chr06	31592707	(A/C)
10874	CakSNP10874	<i>Kabuli</i>	Ca_Kabuli_Chr06	31595142	(A/C)
10875	CakSNP10875	<i>Kabuli</i>	Ca_Kabuli_Chr06	31595136	(A/T)
10876	CakSNP10876	<i>Kabuli</i>	Ca_Kabuli_Chr06	31895214	(G/C)
10877	CakSNP10877	<i>Kabuli</i>	Ca_Kabuli_Chr06	31895264	(C/T)
10878	CakSNP10878	<i>Kabuli</i>	Ca_Kabuli_Chr06	31900781	(T/G)
10879	CakSNP10879	<i>Kabuli</i>	Ca_Kabuli_Chr06	31900785	(T/G)
10880	CakSNP10880	<i>Kabuli</i>	Ca_Kabuli_Chr06	31900790	(A/C)
10881	CakSNP10881	<i>Kabuli</i>	Ca_Kabuli_Chr06	31966982	(C/T)
10882	CakSNP10882	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967089	(T/G)
10883	CakSNP10883	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967106	(G/A)
10884	CakSNP10884	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967109	(T/C)
10885	CakSNP10885	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967144	(T/C)
10886	CakSNP10886	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967201	(C/T)
10887	CakSNP10887	<i>Kabuli</i>	Ca_Kabuli_Chr06	31967195	(G/C)
10888	CakSNP10888	<i>Kabuli</i>	Ca_Kabuli_Chr06	31992907	(A/G)
10889	CakSNP10889	<i>Kabuli</i>	Ca_Kabuli_Chr06	32035882	(C/T)
10890	CakSNP10890	<i>Kabuli</i>	Ca_Kabuli_Chr06	32036033	(G/A)
10891	CakSNP10891	<i>Kabuli</i>	Ca_Kabuli_Chr06	32035976	(T/C)
10892	CakSNP10892	<i>Kabuli</i>	Ca_Kabuli_Chr06	32140428	(C/A)
10893	CakSNP10893	<i>Kabuli</i>	Ca_Kabuli_Chr06	32140429	(G/T)
10894	CakSNP10894	<i>Kabuli</i>	Ca_Kabuli_Chr06	32262807	(T/C)
10895	CakSNP10895	<i>Kabuli</i>	Ca_Kabuli_Chr06	32262855	(C/T)
10896	CakSNP10896	<i>Kabuli</i>	Ca_Kabuli_Chr06	32328468	(T/C)
10897	CakSNP10897	<i>Kabuli</i>	Ca_Kabuli_Chr06	32717450	(G/A)
10898	CakSNP10898	<i>Kabuli</i>	Ca_Kabuli_Chr06	32717665	(C/A)
10899	CakSNP10899	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825567	(C/A)
10900	CakSNP10900	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825561	(C/T)
10901	CakSNP10901	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825547	(A/G)
10902	CakSNP10902	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825579	(C/T)
10903	CakSNP10903	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825587	(G/A)
10904	CakSNP10904	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825612	(G/A)
10905	CakSNP10905	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825619	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10906	CakSNP10906	<i>Kabuli</i>	Ca_Kabuli_Chr06	32825631	(C/A)
10907	CakSNP10907	<i>Kabuli</i>	Ca_Kabuli_Chr06	32914927	(C/G)
10908	CakSNP10908	<i>Kabuli</i>	Ca_Kabuli_Chr06	33502994	(C/A)
10909	CakSNP10909	<i>Kabuli</i>	Ca_Kabuli_Chr06	33502997	(T/A)
10910	CakSNP10910	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503007	(T/C)
10911	CakSNP10911	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503014	(G/T)
10912	CakSNP10912	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503020	(G/A)
10913	CakSNP10913	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503032	(A/C)
10914	CakSNP10914	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503037	(A/T)
10915	CakSNP10915	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503051	(G/C)
10916	CakSNP10916	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503063	(C/G)
10917	CakSNP10917	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503065	(C/A)
10918	CakSNP10918	<i>Kabuli</i>	Ca_Kabuli_Chr06	33503071	(A/G)
10919	CakSNP10919	<i>Kabuli</i>	Ca_Kabuli_Chr06	33598926	(G/A)
10920	CakSNP10920	<i>Kabuli</i>	Ca_Kabuli_Chr06	33704792	(C/T)
10921	CakSNP10921	<i>Kabuli</i>	Ca_Kabuli_Chr06	33704807	(C/A)
10922	CakSNP10922	<i>Kabuli</i>	Ca_Kabuli_Chr06	33704839	(C/T)
10923	CakSNP10923	<i>Kabuli</i>	Ca_Kabuli_Chr06	33704782	(C/T)
10924	CakSNP10924	<i>Kabuli</i>	Ca_Kabuli_Chr06	33733259	(A/G)
10925	CakSNP10925	<i>Kabuli</i>	Ca_Kabuli_Chr06	34235650	(T/C)
10926	CakSNP10926	<i>Kabuli</i>	Ca_Kabuli_Chr06	34407309	(T/C)
10927	CakSNP10927	<i>Kabuli</i>	Ca_Kabuli_Chr06	34481266	(A/G)
10928	CakSNP10928	<i>Kabuli</i>	Ca_Kabuli_Chr06	34481256	(C/T)
10929	CakSNP10929	<i>Kabuli</i>	Ca_Kabuli_Chr06	34535695	(T/C)
10930	CakSNP10930	<i>Kabuli</i>	Ca_Kabuli_Chr06	34535983	(T/C)
10931	CakSNP10931	<i>Kabuli</i>	Ca_Kabuli_Chr06	34596792	(A/G)
10932	CakSNP10932	<i>Kabuli</i>	Ca_Kabuli_Chr06	34634028	(T/A)
10933	CakSNP10933	<i>Kabuli</i>	Ca_Kabuli_Chr06	34744433	(A/G)
10934	CakSNP10934	<i>Kabuli</i>	Ca_Kabuli_Chr06	34744438	(T/G)
10935	CakSNP10935	<i>Kabuli</i>	Ca_Kabuli_Chr06	34744681	(T/G)
10936	CakSNP10936	<i>Kabuli</i>	Ca_Kabuli_Chr06	34744665	(G/A)
10937	CakSNP10937	<i>Kabuli</i>	Ca_Kabuli_Chr06	34773476	(T/A)
10938	CakSNP10938	<i>Kabuli</i>	Ca_Kabuli_Chr06	34793312	(T/G)
10939	CakSNP10939	<i>Kabuli</i>	Ca_Kabuli_Chr06	34974503	(C/G)
10940	CakSNP10940	<i>Kabuli</i>	Ca_Kabuli_Chr06	35126227	(C/T)
10941	CakSNP10941	<i>Kabuli</i>	Ca_Kabuli_Chr06	35126273	(T/C)
10942	CakSNP10942	<i>Kabuli</i>	Ca_Kabuli_Chr06	35126389	(G/T)
10943	CakSNP10943	<i>Kabuli</i>	Ca_Kabuli_Chr06	35129588	(G/A)

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10944	CakSNP10944	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596037	(C/A)
10945	CakSNP10945	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596048	(G/A)
10946	CakSNP10946	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596064	(T/C)
10947	CakSNP10947	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596070	(G/A)
10948	CakSNP10948	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596161	(C/T)
10949	CakSNP10949	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596174	(G/A)
10950	CakSNP10950	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596184	(A/G)
10951	CakSNP10951	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596195	(G/C)
10952	CakSNP10952	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596197	(G/A)
10953	CakSNP10953	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596207	(G/T)
10954	CakSNP10954	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596218	(T/C)
10955	CakSNP10955	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596220	(G/A)
10956	CakSNP10956	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596230	(T/A)
10957	CakSNP10957	<i>Kabuli</i>	Ca_Kabuli_Chr06	35596300	(G/A)
10958	CakSNP10958	<i>Kabuli</i>	Ca_Kabuli_Chr06	35628131	(T/C)
10959	CakSNP10959	<i>Kabuli</i>	Ca_Kabuli_Chr06	35719930	(A/C)
10960	CakSNP10960	<i>Kabuli</i>	Ca_Kabuli_Chr06	35743792	(A/G)
10961	CakSNP10961	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962309	(C/T)
10962	CakSNP10962	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962320	(T/C)
10963	CakSNP10963	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962360	(T/C)
10964	CakSNP10964	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962364	(T/G)
10965	CakSNP10965	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962365	(T/C)
10966	CakSNP10966	<i>Kabuli</i>	Ca_Kabuli_Chr06	35962366	(G/A)
10967	CakSNP10967	<i>Kabuli</i>	Ca_Kabuli_Chr06	36094855	(T/G)
10968	CakSNP10968	<i>Kabuli</i>	Ca_Kabuli_Chr06	36371775	(A/G)
10969	CakSNP10969	<i>Kabuli</i>	Ca_Kabuli_Chr06	36374561	(C/T)
10970	CakSNP10970	<i>Kabuli</i>	Ca_Kabuli_Chr06	36574836	(A/G)
10971	CakSNP10971	<i>Kabuli</i>	Ca_Kabuli_Chr06	36790467	(G/A)
10972	CakSNP10972	<i>Kabuli</i>	Ca_Kabuli_Chr06	36790458	(G/A)
10973	CakSNP10973	<i>Kabuli</i>	Ca_Kabuli_Chr06	36790428	(G/A)
10974	CakSNP10974	<i>Kabuli</i>	Ca_Kabuli_Chr06	36790455	(C/T)
10975	CakSNP10975	<i>Kabuli</i>	Ca_Kabuli_Chr06	36790460	(A/G)
10976	CakSNP10976	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139425	(C/T)
10977	CakSNP10977	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139466	(G/C)
10978	CakSNP10978	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139484	(T/C)
10979	CakSNP10979	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139486	(G/A)
10980	CakSNP10980	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139533	(T/A)
10981	CakSNP10981	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139514	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10982	CakSNP10982	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139499	(C/G)
10983	CakSNP10983	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139610	(T/G)
10984	CakSNP10984	<i>Kabuli</i>	Ca_Kabuli_Chr06	37139604	(G/T)
10985	CakSNP10985	<i>Kabuli</i>	Ca_Kabuli_Chr06	37321783	(A/T)
10986	CakSNP10986	<i>Kabuli</i>	Ca_Kabuli_Chr06	37476426	(C/T)
10987	CakSNP10987	<i>Kabuli</i>	Ca_Kabuli_Chr06	37476437	(A/C)
10988	CakSNP10988	<i>Kabuli</i>	Ca_Kabuli_Chr06	37476516	(G/T)
10989	CakSNP10989	<i>Kabuli</i>	Ca_Kabuli_Chr06	37476465	(G/A)
10990	CakSNP10990	<i>Kabuli</i>	Ca_Kabuli_Chr06	37484467	(C/T)
10991	CakSNP10991	<i>Kabuli</i>	Ca_Kabuli_Chr06	37484468	(G/T)
10992	CakSNP10992	<i>Kabuli</i>	Ca_Kabuli_Chr06	37484470	(C/A)
10993	CakSNP10993	<i>Kabuli</i>	Ca_Kabuli_Chr06	37484489	(C/G)
10994	CakSNP10994	<i>Kabuli</i>	Ca_Kabuli_Chr06	37484513	(T/C)
10995	CakSNP10995	<i>Kabuli</i>	Ca_Kabuli_Chr06	38816345	(C/T)
10996	CakSNP10996	<i>Kabuli</i>	Ca_Kabuli_Chr06	38838320	(A/G)
10997	CakSNP10997	<i>Kabuli</i>	Ca_Kabuli_Chr06	38840279	(G/A)
10998	CakSNP10998	<i>Kabuli</i>	Ca_Kabuli_Chr06	38840315	(G/A)
10999	CakSNP10999	<i>Kabuli</i>	Ca_Kabuli_Chr06	38840273	(G/A)
11000	CakSNP11000	<i>Kabuli</i>	Ca_Kabuli_Chr06	38881909	(C/A)
11001	CakSNP11001	<i>Kabuli</i>	Ca_Kabuli_Chr06	38886735	(C/A)
11002	CakSNP11002	<i>Kabuli</i>	Ca_Kabuli_Chr06	38994879	(A/G)
11003	CakSNP11003	<i>Kabuli</i>	Ca_Kabuli_Chr06	38994925	(G/T)
11004	CakSNP11004	<i>Kabuli</i>	Ca_Kabuli_Chr06	38994954	(A/G)
11005	CakSNP11005	<i>Kabuli</i>	Ca_Kabuli_Chr06	38994962	(G/A)
11006	CakSNP11006	<i>Kabuli</i>	Ca_Kabuli_Chr06	39028564	(T/G)
11007	CakSNP11007	<i>Kabuli</i>	Ca_Kabuli_Chr06	39107187	(C/T)
11008	CakSNP11008	<i>Kabuli</i>	Ca_Kabuli_Chr06	39107149	(A/C)
11009	CakSNP11009	<i>Kabuli</i>	Ca_Kabuli_Chr06	39107188	(A/C)
11010	CakSNP11010	<i>Kabuli</i>	Ca_Kabuli_Chr06	39317016	(T/G)
11011	CakSNP11011	<i>Kabuli</i>	Ca_Kabuli_Chr06	39380625	(A/C)
11012	CakSNP11012	<i>Kabuli</i>	Ca_Kabuli_Chr06	39908314	(T/G)
11013	CakSNP11013	<i>Kabuli</i>	Ca_Kabuli_Chr06	40047823	(A/G)
11014	CakSNP11014	<i>Kabuli</i>	Ca_Kabuli_Chr06	40128644	(T/C)
11015	CakSNP11015	<i>Kabuli</i>	Ca_Kabuli_Chr06	40468356	(T/A)
11016	CakSNP11016	<i>Kabuli</i>	Ca_Kabuli_Chr06	40477285	(G/A)
11017	CakSNP11017	<i>Kabuli</i>	Ca_Kabuli_Chr06	40657695	(A/C)
11018	CakSNP11018	<i>Kabuli</i>	Ca_Kabuli_Chr06	40735186	(C/A)
11019	CakSNP11019	<i>Kabuli</i>	Ca_Kabuli_Chr06	40767566	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11020	CakSNP11020	<i>Kabuli</i>	Ca_Kabuli_Chr06	40821354	(C/T)
11021	CakSNP11021	<i>Kabuli</i>	Ca_Kabuli_Chr06	40935441	(A/T)
11022	CakSNP11022	<i>Kabuli</i>	Ca_Kabuli_Chr06	41121337	(C/T)
11023	CakSNP11023	<i>Kabuli</i>	Ca_Kabuli_Chr06	41121330	(G/A)
11024	CakSNP11024	<i>Kabuli</i>	Ca_Kabuli_Chr06	41363546	(G/A)
11025	CakSNP11025	<i>Kabuli</i>	Ca_Kabuli_Chr06	41420918	(T/A)
11026	CakSNP11026	<i>Kabuli</i>	Ca_Kabuli_Chr06	41420917	(A/G)
11027	CakSNP11027	<i>Kabuli</i>	Ca_Kabuli_Chr06	41449028	(C/T)
11028	CakSNP11028	<i>Kabuli</i>	Ca_Kabuli_Chr06	41682983	(T/C)
11029	CakSNP11029	<i>Kabuli</i>	Ca_Kabuli_Chr06	41682966	(C/T)
11030	CakSNP11030	<i>Kabuli</i>	Ca_Kabuli_Chr06	41682943	(T/C)
11031	CakSNP11031	<i>Kabuli</i>	Ca_Kabuli_Chr06	41697812	(T/G)
11032	CakSNP11032	<i>Kabuli</i>	Ca_Kabuli_Chr06	41708309	(G/A)
11033	CakSNP11033	<i>Kabuli</i>	Ca_Kabuli_Chr06	41708306	(G/A)
11034	CakSNP11034	<i>Kabuli</i>	Ca_Kabuli_Chr06	41708523	(T/G)
11035	CakSNP11035	<i>Kabuli</i>	Ca_Kabuli_Chr06	41708474	(G/A)
11036	CakSNP11036	<i>Kabuli</i>	Ca_Kabuli_Chr06	41708530	(C/A)
11037	CakSNP11037	<i>Kabuli</i>	Ca_Kabuli_Chr06	41907459	(C/G)
11038	CakSNP11038	<i>Kabuli</i>	Ca_Kabuli_Chr06	42004851	(A/G)
11039	CakSNP11039	<i>Kabuli</i>	Ca_Kabuli_Chr06	42004829	(T/G)
11040	CakSNP11040	<i>Kabuli</i>	Ca_Kabuli_Chr06	42004818	(C/G)
11041	CakSNP11041	<i>Kabuli</i>	Ca_Kabuli_Chr06	42004813	(C/T)
11042	CakSNP11042	<i>Kabuli</i>	Ca_Kabuli_Chr06	42161851	(A/G)
11043	CakSNP11043	<i>Kabuli</i>	Ca_Kabuli_Chr06	42161857	(C/G)
11044	CakSNP11044	<i>Kabuli</i>	Ca_Kabuli_Chr06	42161866	(T/G)
11045	CakSNP11045	<i>Kabuli</i>	Ca_Kabuli_Chr06	42521162	(G/T)
11046	CakSNP11046	<i>Kabuli</i>	Ca_Kabuli_Chr06	42855091	(T/G)
11047	CakSNP11047	<i>Kabuli</i>	Ca_Kabuli_Chr06	42904998	(C/G)
11048	CakSNP11048	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905012	(G/A)
11049	CakSNP11049	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905039	(C/T)
11050	CakSNP11050	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905035	(T/A)
11051	CakSNP11051	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905111	(T/C)
11052	CakSNP11052	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905094	(C/T)
11053	CakSNP11053	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905090	(G/A)
11054	CakSNP11054	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905086	(T/C)
11055	CakSNP11055	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905058	(C/G)
11056	CakSNP11056	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905059	(A/G)
11057	CakSNP11057	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905072	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11058	CakSNP11058	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905115	(G/T)
11059	CakSNP11059	<i>Kabuli</i>	Ca_Kabuli_Chr06	42905116	(A/T)
11060	CakSNP11060	<i>Kabuli</i>	Ca_Kabuli_Chr06	42919899	(G/A)
11061	CakSNP11061	<i>Kabuli</i>	Ca_Kabuli_Chr06	42923969	(A/C)
11062	CakSNP11062	<i>Kabuli</i>	Ca_Kabuli_Chr06	42925974	(C/T)
11063	CakSNP11063	<i>Kabuli</i>	Ca_Kabuli_Chr06	43148829	(C/T)
11064	CakSNP11064	<i>Kabuli</i>	Ca_Kabuli_Chr06	43148824	(C/A)
11065	CakSNP11065	<i>Kabuli</i>	Ca_Kabuli_Chr06	43148784	(C/G)
11066	CakSNP11066	<i>Kabuli</i>	Ca_Kabuli_Chr06	43905509	(A/T)
11067	CakSNP11067	<i>Kabuli</i>	Ca_Kabuli_Chr06	43907445	(T/C)
11068	CakSNP11068	<i>Kabuli</i>	Ca_Kabuli_Chr06	44530888	(C/A)
11069	CakSNP11069	<i>Kabuli</i>	Ca_Kabuli_Chr06	44530889	(A/G)
11070	CakSNP11070	<i>Kabuli</i>	Ca_Kabuli_Chr06	44707313	(T/A)
11071	CakSNP11071	<i>Kabuli</i>	Ca_Kabuli_Chr06	44711166	(A/G)
11072	CakSNP11072	<i>Kabuli</i>	Ca_Kabuli_Chr06	44792535	(C/T)
11073	CakSNP11073	<i>Kabuli</i>	Ca_Kabuli_Chr06	44792529	(G/C)
11074	CakSNP11074	<i>Kabuli</i>	Ca_Kabuli_Chr06	44792493	(C/T)
11075	CakSNP11075	<i>Kabuli</i>	Ca_Kabuli_Chr06	44792486	(G/A)
11076	CakSNP11076	<i>Kabuli</i>	Ca_Kabuli_Chr06	44937666	(C/T)
11077	CakSNP11077	<i>Kabuli</i>	Ca_Kabuli_Chr06	44944917	(G/A)
11078	CakSNP11078	<i>Kabuli</i>	Ca_Kabuli_Chr06	45053093	(A/G)
11079	CakSNP11079	<i>Kabuli</i>	Ca_Kabuli_Chr06	45053214	(C/T)
11080	CakSNP11080	<i>Kabuli</i>	Ca_Kabuli_Chr06	45131295	(C/T)
11081	CakSNP11081	<i>Kabuli</i>	Ca_Kabuli_Chr06	45132545	(A/G)
11082	CakSNP11082	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178060	(G/A)
11083	CakSNP11083	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178056	(A/G)
11084	CakSNP11084	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178045	(G/T)
11085	CakSNP11085	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178044	(G/A)
11086	CakSNP11086	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178033	(C/A)
11087	CakSNP11087	<i>Kabuli</i>	Ca_Kabuli_Chr06	45178061	(C/T)
11088	CakSNP11088	<i>Kabuli</i>	Ca_Kabuli_Chr06	45201783	(C/T)
11089	CakSNP11089	<i>Kabuli</i>	Ca_Kabuli_Chr06	45293271	(T/C)
11090	CakSNP11090	<i>Kabuli</i>	Ca_Kabuli_Chr06	45500961	(T/A)
11091	CakSNP11091	<i>Kabuli</i>	Ca_Kabuli_Chr06	45501099	(C/A)
11092	CakSNP11092	<i>Kabuli</i>	Ca_Kabuli_Chr06	45505942	(A/G)
11093	CakSNP11093	<i>Kabuli</i>	Ca_Kabuli_Chr06	45550031	(C/A)
11094	CakSNP11094	<i>Kabuli</i>	Ca_Kabuli_Chr06	45554040	(G/A)
11095	CakSNP11095	<i>Kabuli</i>	Ca_Kabuli_Chr06	45557656	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11096	CakSNP11096	<i>Kabuli</i>	Ca_Kabuli_Chr06	45614017	(T/C)
11097	CakSNP11097	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637271	(T/G)
11098	CakSNP11098	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637292	(C/A)
11099	CakSNP11099	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637293	(T/C)
11100	CakSNP11100	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637322	(C/A)
11101	CakSNP11101	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637309	(G/A)
11102	CakSNP11102	<i>Kabuli</i>	Ca_Kabuli_Chr06	45637308	(G/T)
11103	CakSNP11103	<i>Kabuli</i>	Ca_Kabuli_Chr06	45693275	(G/A)
11104	CakSNP11104	<i>Kabuli</i>	Ca_Kabuli_Chr06	45695051	(T/G)
11105	CakSNP11105	<i>Kabuli</i>	Ca_Kabuli_Chr06	45695043	(C/T)
11106	CakSNP11106	<i>Kabuli</i>	Ca_Kabuli_Chr06	45695035	(G/A)
11107	CakSNP11107	<i>Kabuli</i>	Ca_Kabuli_Chr06	45709318	(T/C)
11108	CakSNP11108	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773318	(C/T)
11109	CakSNP11109	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773309	(A/G)
11110	CakSNP11110	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773298	(C/G)
11111	CakSNP11111	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773409	(T/A)
11112	CakSNP11112	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773408	(T/A)
11113	CakSNP11113	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773373	(G/T)
11114	CakSNP11114	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773367	(G/T)
11115	CakSNP11115	<i>Kabuli</i>	Ca_Kabuli_Chr06	45773349	(C/T)
11116	CakSNP11116	<i>Kabuli</i>	Ca_Kabuli_Chr06	45812152	(G/A)
11117	CakSNP11117	<i>Kabuli</i>	Ca_Kabuli_Chr06	45976962	(G/A)
11118	CakSNP11118	<i>Kabuli</i>	Ca_Kabuli_Chr06	45978206	(T/C)
11119	CakSNP11119	<i>Kabuli</i>	Ca_Kabuli_Chr06	45978263	(G/A)
11120	CakSNP11120	<i>Kabuli</i>	Ca_Kabuli_Chr06	46158211	(C/T)
11121	CakSNP11121	<i>Kabuli</i>	Ca_Kabuli_Chr06	46734706	(C/G)
11122	CakSNP11122	<i>Kabuli</i>	Ca_Kabuli_Chr06	46734725	(G/A)
11123	CakSNP11123	<i>Kabuli</i>	Ca_Kabuli_Chr06	46734726	(T/C)
11124	CakSNP11124	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765659	(G/A)
11125	CakSNP11125	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765661	(A/T)
11126	CakSNP11126	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765673	(G/A)
11127	CakSNP11127	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765688	(A/C)
11128	CakSNP11128	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765725	(C/T)
11129	CakSNP11129	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765778	(C/A)
11130	CakSNP11130	<i>Kabuli</i>	Ca_Kabuli_Chr06	46765696	(C/T)
11131	CakSNP11131	<i>Kabuli</i>	Ca_Kabuli_Chr06	46830497	(A/T)
11132	CakSNP11132	<i>Kabuli</i>	Ca_Kabuli_Chr06	46896903	(C/T)
11133	CakSNP11133	<i>Kabuli</i>	Ca_Kabuli_Chr06	46896910	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11134	CakSNP11134	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898225	(A/C)
11135	CakSNP11135	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898305	(T/G)
11136	CakSNP11136	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898316	(T/G)
11137	CakSNP11137	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898317	(C/T)
11138	CakSNP11138	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898363	(C/T)
11139	CakSNP11139	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898329	(T/A)
11140	CakSNP11140	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898747	(G/A)
11141	CakSNP11141	<i>Kabuli</i>	Ca_Kabuli_Chr06	46898743	(A/G)
11142	CakSNP11142	<i>Kabuli</i>	Ca_Kabuli_Chr06	46899229	(G/A)
11143	CakSNP11143	<i>Kabuli</i>	Ca_Kabuli_Chr06	46979240	(C/T)
11144	CakSNP11144	<i>Kabuli</i>	Ca_Kabuli_Chr06	46979267	(C/A)
11145	CakSNP11145	<i>Kabuli</i>	Ca_Kabuli_Chr06	46998948	(G/A)
11146	CakSNP11146	<i>Kabuli</i>	Ca_Kabuli_Chr06	46999012	(C/T)
11147	CakSNP11147	<i>Kabuli</i>	Ca_Kabuli_Chr06	47104478	(T/G)
11148	CakSNP11148	<i>Kabuli</i>	Ca_Kabuli_Chr06	47104505	(C/T)
11149	CakSNP11149	<i>Kabuli</i>	Ca_Kabuli_Chr06	47106174	(A/G)
11150	CakSNP11150	<i>Kabuli</i>	Ca_Kabuli_Chr06	47106238	(C/A)
11151	CakSNP11151	<i>Kabuli</i>	Ca_Kabuli_Chr06	47232630	(C/T)
11152	CakSNP11152	<i>Kabuli</i>	Ca_Kabuli_Chr06	47232631	(C/G)
11153	CakSNP11153	<i>Kabuli</i>	Ca_Kabuli_Chr06	47232685	(T/A)
11154	CakSNP11154	<i>Kabuli</i>	Ca_Kabuli_Chr06	47440468	(A/T)
11155	CakSNP11155	<i>Kabuli</i>	Ca_Kabuli_Chr06	47575655	(G/T)
11156	CakSNP11156	<i>Kabuli</i>	Ca_Kabuli_Chr06	47575659	(C/G)
11157	CakSNP11157	<i>Kabuli</i>	Ca_Kabuli_Chr06	47906683	(G/A)
11158	CakSNP11158	<i>Kabuli</i>	Ca_Kabuli_Chr06	47906680	(C/T)
11159	CakSNP11159	<i>Kabuli</i>	Ca_Kabuli_Chr06	47906629	(T/G)
11160	CakSNP11160	<i>Kabuli</i>	Ca_Kabuli_Chr06	48088550	(G/A)
11161	CakSNP11161	<i>Kabuli</i>	Ca_Kabuli_Chr06	48088592	(C/T)
11162	CakSNP11162	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255392	(G/A)
11163	CakSNP11163	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255538	(A/G)
11164	CakSNP11164	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255558	(C/T)
11165	CakSNP11165	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255559	(A/G)
11166	CakSNP11166	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255568	(A/G)
11167	CakSNP11167	<i>Kabuli</i>	Ca_Kabuli_Chr06	48255599	(C/A)
11168	CakSNP11168	<i>Kabuli</i>	Ca_Kabuli_Chr06	48314052	(T/A)
11169	CakSNP11169	<i>Kabuli</i>	Ca_Kabuli_Chr06	48314788	(T/C)
11170	CakSNP11170	<i>Kabuli</i>	Ca_Kabuli_Chr06	48315194	(C/A)
11171	CakSNP11171	<i>Kabuli</i>	Ca_Kabuli_Chr06	48315340	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11172	CakSNP11172	<i>Kabuli</i>	Ca_Kabuli_Chr06	48315343	(G/T)
11173	CakSNP11173	<i>Kabuli</i>	Ca_Kabuli_Chr06	48810611	(A/T)
11174	CakSNP11174	<i>Kabuli</i>	Ca_Kabuli_Chr06	48810608	(C/T)
11175	CakSNP11175	<i>Kabuli</i>	Ca_Kabuli_Chr06	48864622	(T/C)
11176	CakSNP11176	<i>Kabuli</i>	Ca_Kabuli_Chr06	48864625	(G/A)
11177	CakSNP11177	<i>Kabuli</i>	Ca_Kabuli_Chr06	48864639	(A/C)
11178	CakSNP11178	<i>Kabuli</i>	Ca_Kabuli_Chr06	48864699	(T/C)
11179	CakSNP11179	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869462	(C/T)
11180	CakSNP11180	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869473	(C/A)
11181	CakSNP11181	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869484	(G/A)
11182	CakSNP11182	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869577	(C/T)
11183	CakSNP11183	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869539	(A/G)
11184	CakSNP11184	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869529	(T/C)
11185	CakSNP11185	<i>Kabuli</i>	Ca_Kabuli_Chr06	48869512	(G/C)
11186	CakSNP11186	<i>Kabuli</i>	Ca_Kabuli_Chr06	48940386	(A/C)
11187	CakSNP11187	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044772	(A/C)
11188	CakSNP11188	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044785	(C/T)
11189	CakSNP11189	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044794	(T/A)
11190	CakSNP11190	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044802	(T/C)
11191	CakSNP11191	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044805	(A/G)
11192	CakSNP11192	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044814	(G/T)
11193	CakSNP11193	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044824	(C/T)
11194	CakSNP11194	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044839	(T/A)
11195	CakSNP11195	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044850	(A/C)
11196	CakSNP11196	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044847	(G/A)
11197	CakSNP11197	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044842	(G/A)
11198	CakSNP11198	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044838	(C/A)
11199	CakSNP11199	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044835	(C/A)
11200	CakSNP11200	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044826	(G/A)
11201	CakSNP11201	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044821	(C/G)
11202	CakSNP11202	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044810	(G/A)
11203	CakSNP11203	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044808	(C/T)
11204	CakSNP11204	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044788	(T/A)
11205	CakSNP11205	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044780	(G/A)
11206	CakSNP11206	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044915	(A/G)
11207	CakSNP11207	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044928	(C/A)
11208	CakSNP11208	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044936	(C/T)
11209	CakSNP11209	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044937	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11210	CakSNP11210	<i>Kabuli</i>	Ca_Kabuli_Chr06	49044944	(A/G)
11211	CakSNP11211	<i>Kabuli</i>	Ca_Kabuli_Chr06	49101829	(G/C)
11212	CakSNP11212	<i>Kabuli</i>	Ca_Kabuli_Chr06	49167341	(T/G)
11213	CakSNP11213	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222291	(G/A)
11214	CakSNP11214	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222290	(C/T)
11215	CakSNP11215	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222275	(A/C)
11216	CakSNP11216	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222268	(T/A)
11217	CakSNP11217	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222251	(G/A)
11218	CakSNP11218	<i>Kabuli</i>	Ca_Kabuli_Chr06	49222235	(G/C)
11219	CakSNP11219	<i>Kabuli</i>	Ca_Kabuli_Chr06	49377275	(G/A)
11220	CakSNP11220	<i>Kabuli</i>	Ca_Kabuli_Chr06	49403430	(G/C)
11221	CakSNP11221	<i>Kabuli</i>	Ca_Kabuli_Chr06	49406604	(G/A)
11222	CakSNP11222	<i>Kabuli</i>	Ca_Kabuli_Chr06	49406599	(C/A)
11223	CakSNP11223	<i>Kabuli</i>	Ca_Kabuli_Chr06	49466066	(A/G)
11224	CakSNP11224	<i>Kabuli</i>	Ca_Kabuli_Chr06	49475716	(G/A)
11225	CakSNP11225	<i>Kabuli</i>	Ca_Kabuli_Chr06	49475715	(A/G)
11226	CakSNP11226	<i>Kabuli</i>	Ca_Kabuli_Chr06	49524179	(A/T)
11227	CakSNP11227	<i>Kabuli</i>	Ca_Kabuli_Chr06	49565934	(C/T)
11228	CakSNP11228	<i>Kabuli</i>	Ca_Kabuli_Chr06	49664132	(C/G)
11229	CakSNP11229	<i>Kabuli</i>	Ca_Kabuli_Chr06	49724448	(C/T)
11230	CakSNP11230	<i>Kabuli</i>	Ca_Kabuli_Chr06	49724515	(C/T)
11231	CakSNP11231	<i>Kabuli</i>	Ca_Kabuli_Chr06	49726734	(C/G)
11232	CakSNP11232	<i>Kabuli</i>	Ca_Kabuli_Chr06	49726732	(T/C)
11233	CakSNP11233	<i>Kabuli</i>	Ca_Kabuli_Chr06	49726729	(G/A)
11234	CakSNP11234	<i>Kabuli</i>	Ca_Kabuli_Chr06	49726711	(C/T)
11235	CakSNP11235	<i>Kabuli</i>	Ca_Kabuli_Chr06	49726723	(G/A)
11236	CakSNP11236	<i>Kabuli</i>	Ca_Kabuli_Chr06	49830299	(A/G)
11237	CakSNP11237	<i>Kabuli</i>	Ca_Kabuli_Chr06	49830384	(G/A)
11238	CakSNP11238	<i>Kabuli</i>	Ca_Kabuli_Chr06	49833934	(C/T)
11239	CakSNP11239	<i>Kabuli</i>	Ca_Kabuli_Chr06	49843667	(G/A)
11240	CakSNP11240	<i>Kabuli</i>	Ca_Kabuli_Chr06	49846257	(A/T)
11241	CakSNP11241	<i>Kabuli</i>	Ca_Kabuli_Chr06	49846303	(T/G)
11242	CakSNP11242	<i>Kabuli</i>	Ca_Kabuli_Chr06	49931821	(C/T)
11243	CakSNP11243	<i>Kabuli</i>	Ca_Kabuli_Chr06	49931879	(T/C)
11244	CakSNP11244	<i>Kabuli</i>	Ca_Kabuli_Chr06	49942397	(A/G)
11245	CakSNP11245	<i>Kabuli</i>	Ca_Kabuli_Chr06	50086781	(A/G)
11246	CakSNP11246	<i>Kabuli</i>	Ca_Kabuli_Chr06	50152053	(C/T)
11247	CakSNP11247	<i>Kabuli</i>	Ca_Kabuli_Chr06	50152129	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11248	CakSNP11248	<i>Kabuli</i>	Ca_Kabuli_Chr06	50152124	(C/T)
11249	CakSNP11249	<i>Kabuli</i>	Ca_Kabuli_Chr06	50152119	(T/C)
11250	CakSNP11250	<i>Kabuli</i>	Ca_Kabuli_Chr06	50152083	(C/T)
11251	CakSNP11251	<i>Kabuli</i>	Ca_Kabuli_Chr06	50217734	(G/A)
11252	CakSNP11252	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356239	(A/G)
11253	CakSNP11253	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356229	(C/T)
11254	CakSNP11254	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356222	(C/A)
11255	CakSNP11255	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356217	(T/C)
11256	CakSNP11256	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356206	(G/T)
11257	CakSNP11257	<i>Kabuli</i>	Ca_Kabuli_Chr06	50356201	(T/C)
11258	CakSNP11258	<i>Kabuli</i>	Ca_Kabuli_Chr06	50382452	(C/T)
11259	CakSNP11259	<i>Kabuli</i>	Ca_Kabuli_Chr06	50384101	(A/C)
11260	CakSNP11260	<i>Kabuli</i>	Ca_Kabuli_Chr06	50390752	(A/G)
11261	CakSNP11261	<i>Kabuli</i>	Ca_Kabuli_Chr06	50476721	(T/C)
11262	CakSNP11262	<i>Kabuli</i>	Ca_Kabuli_Chr06	50476775	(G/A)
11263	CakSNP11263	<i>Kabuli</i>	Ca_Kabuli_Chr06	50477672	(A/C)
11264	CakSNP11264	<i>Kabuli</i>	Ca_Kabuli_Chr06	50581295	(T/G)
11265	CakSNP11265	<i>Kabuli</i>	Ca_Kabuli_Chr06	50617926	(G/C)
11266	CakSNP11266	<i>Kabuli</i>	Ca_Kabuli_Chr06	50617932	(G/A)
11267	CakSNP11267	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723595	(T/C)
11268	CakSNP11268	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723630	(C/T)
11269	CakSNP11269	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723916	(T/C)
11270	CakSNP11270	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723950	(A/G)
11271	CakSNP11271	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723980	(A/G)
11272	CakSNP11272	<i>Kabuli</i>	Ca_Kabuli_Chr06	50723988	(C/A)
11273	CakSNP11273	<i>Kabuli</i>	Ca_Kabuli_Chr06	51157961	(C/T)
11274	CakSNP11274	<i>Kabuli</i>	Ca_Kabuli_Chr06	51157939	(A/C)
11275	CakSNP11275	<i>Kabuli</i>	Ca_Kabuli_Chr06	51162065	(T/C)
11276	CakSNP11276	<i>Kabuli</i>	Ca_Kabuli_Chr06	51281235	(G/A)
11277	CakSNP11277	<i>Kabuli</i>	Ca_Kabuli_Chr06	51281178	(C/G)
11278	CakSNP11278	<i>Kabuli</i>	Ca_Kabuli_Chr06	51345460	(G/C)
11279	CakSNP11279	<i>Kabuli</i>	Ca_Kabuli_Chr06	51392609	(T/C)
11280	CakSNP11280	<i>Kabuli</i>	Ca_Kabuli_Chr06	51471573	(T/C)
11281	CakSNP11281	<i>Kabuli</i>	Ca_Kabuli_Chr06	52007211	(T/C)
11282	CakSNP11282	<i>Kabuli</i>	Ca_Kabuli_Chr06	52007217	(G/A)
11283	CakSNP11283	<i>Kabuli</i>	Ca_Kabuli_Chr06	52007471	(C/T)
11284	CakSNP11284	<i>Kabuli</i>	Ca_Kabuli_Chr06	52007464	(C/G)
11285	CakSNP11285	<i>Kabuli</i>	Ca_Kabuli_Chr06	52007440	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11286	CakSNP11286	<i>Kabuli</i>	Ca_Kabuli_Chr06	52033279	(G/A)
11287	CakSNP11287	<i>Kabuli</i>	Ca_Kabuli_Chr06	52033244	(A/T)
11288	CakSNP11288	<i>Kabuli</i>	Ca_Kabuli_Chr06	52059750	(A/G)
11289	CakSNP11289	<i>Kabuli</i>	Ca_Kabuli_Chr06	52065393	(C/A)
11290	CakSNP11290	<i>Kabuli</i>	Ca_Kabuli_Chr06	52065527	(T/A)
11291	CakSNP11291	<i>Kabuli</i>	Ca_Kabuli_Chr06	52164571	(C/A)
11292	CakSNP11292	<i>Kabuli</i>	Ca_Kabuli_Chr06	52227277	(T/C)
11293	CakSNP11293	<i>Kabuli</i>	Ca_Kabuli_Chr06	52304094	(C/T)
11294	CakSNP11294	<i>Kabuli</i>	Ca_Kabuli_Chr06	52304112	(A/G)
11295	CakSNP11295	<i>Kabuli</i>	Ca_Kabuli_Chr06	52363121	(C/T)
11296	CakSNP11296	<i>Kabuli</i>	Ca_Kabuli_Chr06	52416366	(T/A)
11297	CakSNP11297	<i>Kabuli</i>	Ca_Kabuli_Chr06	52417684	(C/T)
11298	CakSNP11298	<i>Kabuli</i>	Ca_Kabuli_Chr06	52417717	(T/G)
11299	CakSNP11299	<i>Kabuli</i>	Ca_Kabuli_Chr06	52417720	(A/T)
11300	CakSNP11300	<i>Kabuli</i>	Ca_Kabuli_Chr06	52417736	(T/A)
11301	CakSNP11301	<i>Kabuli</i>	Ca_Kabuli_Chr06	52417747	(G/T)
11302	CakSNP11302	<i>Kabuli</i>	Ca_Kabuli_Chr06	52567474	(A/C)
11303	CakSNP11303	<i>Kabuli</i>	Ca_Kabuli_Chr06	52596602	(T/A)
11304	CakSNP11304	<i>Kabuli</i>	Ca_Kabuli_Chr06	52596601	(A/T)
11305	CakSNP11305	<i>Kabuli</i>	Ca_Kabuli_Chr06	52858359	(A/G)
11306	CakSNP11306	<i>Kabuli</i>	Ca_Kabuli_Chr06	52993231	(A/G)
11307	CakSNP11307	<i>Kabuli</i>	Ca_Kabuli_Chr06	53068176	(C/T)
11308	CakSNP11308	<i>Kabuli</i>	Ca_Kabuli_Chr06	53068201	(G/T)
11309	CakSNP11309	<i>Kabuli</i>	Ca_Kabuli_Chr06	53097833	(G/C)
11310	CakSNP11310	<i>Kabuli</i>	Ca_Kabuli_Chr06	53097803	(A/G)
11311	CakSNP11311	<i>Kabuli</i>	Ca_Kabuli_Chr06	53097766	(G/A)
11312	CakSNP11312	<i>Kabuli</i>	Ca_Kabuli_Chr06	53124182	(G/T)
11313	CakSNP11313	<i>Kabuli</i>	Ca_Kabuli_Chr06	53168715	(T/G)
11314	CakSNP11314	<i>Kabuli</i>	Ca_Kabuli_Chr06	53348993	(C/A)
11315	CakSNP11315	<i>Kabuli</i>	Ca_Kabuli_Chr06	53349034	(G/A)
11316	CakSNP11316	<i>Kabuli</i>	Ca_Kabuli_Chr06	53390065	(A/G)
11317	CakSNP11317	<i>Kabuli</i>	Ca_Kabuli_Chr06	53461929	(C/A)
11318	CakSNP11318	<i>Kabuli</i>	Ca_Kabuli_Chr06	53461883	(A/G)
11319	CakSNP11319	<i>Kabuli</i>	Ca_Kabuli_Chr06	53541031	(G/A)
11320	CakSNP11320	<i>Kabuli</i>	Ca_Kabuli_Chr06	53541094	(C/G)
11321	CakSNP11321	<i>Kabuli</i>	Ca_Kabuli_Chr06	53541111	(T/G)
11322	CakSNP11322	<i>Kabuli</i>	Ca_Kabuli_Chr06	53551878	(C/A)
11323	CakSNP11323	<i>Kabuli</i>	Ca_Kabuli_Chr06	53558430	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11324	CakSNP11324	<i>Kabuli</i>	Ca_Kabuli_Chr06	53566496	(G/A)
11325	CakSNP11325	<i>Kabuli</i>	Ca_Kabuli_Chr06	53566506	(C/T)
11326	CakSNP11326	<i>Kabuli</i>	Ca_Kabuli_Chr06	53625264	(A/C)
11327	CakSNP11327	<i>Kabuli</i>	Ca_Kabuli_Chr06	53683753	(T/C)
11328	CakSNP11328	<i>Kabuli</i>	Ca_Kabuli_Chr06	53683891	(C/A)
11329	CakSNP11329	<i>Kabuli</i>	Ca_Kabuli_Chr06	53683885	(C/T)
11330	CakSNP11330	<i>Kabuli</i>	Ca_Kabuli_Chr06	53683879	(C/T)
11331	CakSNP11331	<i>Kabuli</i>	Ca_Kabuli_Chr06	53683876	(C/T)
11332	CakSNP11332	<i>Kabuli</i>	Ca_Kabuli_Chr06	53692784	(G/A)
11333	CakSNP11333	<i>Kabuli</i>	Ca_Kabuli_Chr06	53769044	(A/C)
11334	CakSNP11334	<i>Kabuli</i>	Ca_Kabuli_Chr06	53769160	(C/T)
11335	CakSNP11335	<i>Kabuli</i>	Ca_Kabuli_Chr06	53769240	(T/A)
11336	CakSNP11336	<i>Kabuli</i>	Ca_Kabuli_Chr06	53769241	(A/T)
11337	CakSNP11337	<i>Kabuli</i>	Ca_Kabuli_Chr06	54091997	(A/C)
11338	CakSNP11338	<i>Kabuli</i>	Ca_Kabuli_Chr06	54151902	(T/G)
11339	CakSNP11339	<i>Kabuli</i>	Ca_Kabuli_Chr06	54151966	(G/C)
11340	CakSNP11340	<i>Kabuli</i>	Ca_Kabuli_Chr06	54151969	(T/G)
11341	CakSNP11341	<i>Kabuli</i>	Ca_Kabuli_Chr06	54203356	(G/A)
11342	CakSNP11342	<i>Kabuli</i>	Ca_Kabuli_Chr06	54203400	(C/T)
11343	CakSNP11343	<i>Kabuli</i>	Ca_Kabuli_Chr06	54226451	(A/T)
11344	CakSNP11344	<i>Kabuli</i>	Ca_Kabuli_Chr06	54226432	(A/C)
11345	CakSNP11345	<i>Kabuli</i>	Ca_Kabuli_Chr06	54229449	(G/T)
11346	CakSNP11346	<i>Kabuli</i>	Ca_Kabuli_Chr06	54237764	(A/C)
11347	CakSNP11347	<i>Kabuli</i>	Ca_Kabuli_Chr06	54237815	(C/T)
11348	CakSNP11348	<i>Kabuli</i>	Ca_Kabuli_Chr06	54250702	(C/T)
11349	CakSNP11349	<i>Kabuli</i>	Ca_Kabuli_Chr06	54368267	(G/A)
11350	CakSNP11350	<i>Kabuli</i>	Ca_Kabuli_Chr06	54869636	(C/T)
11351	CakSNP11351	<i>Kabuli</i>	Ca_Kabuli_Chr06	54869666	(G/A)
11352	CakSNP11352	<i>Kabuli</i>	Ca_Kabuli_Chr06	54997337	(A/T)
11353	CakSNP11353	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024071	(C/T)
11354	CakSNP11354	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024091	(G/A)
11355	CakSNP11355	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024146	(C/T)
11356	CakSNP11356	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024140	(G/A)
11357	CakSNP11357	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024130	(T/A)
11358	CakSNP11358	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024112	(C/G)
11359	CakSNP11359	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024093	(G/C)
11360	CakSNP11360	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024108	(C/T)
11361	CakSNP11361	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024136	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11362	CakSNP11362	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024159	(T/A)
11363	CakSNP11363	<i>Kabuli</i>	Ca_Kabuli_Chr06	55024198	(T/G)
11364	CakSNP11364	<i>Kabuli</i>	Ca_Kabuli_Chr06	55028980	(G/A)
11365	CakSNP11365	<i>Kabuli</i>	Ca_Kabuli_Chr06	55074979	(T/A)
11366	CakSNP11366	<i>Kabuli</i>	Ca_Kabuli_Chr06	55083311	(T/A)
11367	CakSNP11367	<i>Kabuli</i>	Ca_Kabuli_Chr06	55083721	(T/A)
11368	CakSNP11368	<i>Kabuli</i>	Ca_Kabuli_Chr06	55180211	(A/G)
11369	CakSNP11369	<i>Kabuli</i>	Ca_Kabuli_Chr06	55332515	(G/A)
11370	CakSNP11370	<i>Kabuli</i>	Ca_Kabuli_Chr06	55914455	(T/C)
11371	CakSNP11371	<i>Kabuli</i>	Ca_Kabuli_Chr06	55914451	(A/G)
11372	CakSNP11372	<i>Kabuli</i>	Ca_Kabuli_Chr06	55914443	(T/C)
11373	CakSNP11373	<i>Kabuli</i>	Ca_Kabuli_Chr06	55914434	(C/T)
11374	CakSNP11374	<i>Kabuli</i>	Ca_Kabuli_Chr06	55914431	(G/A)
11375	CakSNP11375	<i>Kabuli</i>	Ca_Kabuli_Chr06	55922843	(T/A)
11376	CakSNP11376	<i>Kabuli</i>	Ca_Kabuli_Chr06	55922850	(C/T)
11377	CakSNP11377	<i>Kabuli</i>	Ca_Kabuli_Chr06	55942105	(A/G)
11378	CakSNP11378	<i>Kabuli</i>	Ca_Kabuli_Chr06	55953320	(T/A)
11379	CakSNP11379	<i>Kabuli</i>	Ca_Kabuli_Chr06	55953327	(C/T)
11380	CakSNP11380	<i>Kabuli</i>	Ca_Kabuli_Chr06	56025902	(A/G)
11381	CakSNP11381	<i>Kabuli</i>	Ca_Kabuli_Chr06	56025888	(G/A)
11382	CakSNP11382	<i>Kabuli</i>	Ca_Kabuli_Chr06	56025884	(A/G)
11383	CakSNP11383	<i>Kabuli</i>	Ca_Kabuli_Chr06	56029491	(T/A)
11384	CakSNP11384	<i>Kabuli</i>	Ca_Kabuli_Chr06	56029544	(A/T)
11385	CakSNP11385	<i>Kabuli</i>	Ca_Kabuli_Chr06	56029549	(C/T)
11386	CakSNP11386	<i>Kabuli</i>	Ca_Kabuli_Chr06	56137878	(T/C)
11387	CakSNP11387	<i>Kabuli</i>	Ca_Kabuli_Chr06	56553930	(G/A)
11388	CakSNP11388	<i>Kabuli</i>	Ca_Kabuli_Chr06	56564249	(G/C)
11389	CakSNP11389	<i>Kabuli</i>	Ca_Kabuli_Chr06	56587094	(C/G)
11390	CakSNP11390	<i>Kabuli</i>	Ca_Kabuli_Chr06	56593148	(A/G)
11391	CakSNP11391	<i>Kabuli</i>	Ca_Kabuli_Chr06	56593121	(T/G)
11392	CakSNP11392	<i>Kabuli</i>	Ca_Kabuli_Chr06	56624316	(A/T)
11393	CakSNP11393	<i>Kabuli</i>	Ca_Kabuli_Chr06	56624674	(T/C)
11394	CakSNP11394	<i>Kabuli</i>	Ca_Kabuli_Chr06	56624718	(C/A)
11395	CakSNP11395	<i>Kabuli</i>	Ca_Kabuli_Chr06	56694898	(T/C)
11396	CakSNP11396	<i>Kabuli</i>	Ca_Kabuli_Chr06	56765524	(C/A)
11397	CakSNP11397	<i>Kabuli</i>	Ca_Kabuli_Chr06	56793077	(G/A)
11398	CakSNP11398	<i>Kabuli</i>	Ca_Kabuli_Chr06	56793037	(A/T)
11399	CakSNP11399	<i>Kabuli</i>	Ca_Kabuli_Chr06	56793021	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11400	CakSNP11400	<i>Kabuli</i>	Ca_Kabuli_Chr06	56793122	(C/T)
11401	CakSNP11401	<i>Kabuli</i>	Ca_Kabuli_Chr06	56822084	(G/T)
11402	CakSNP11402	<i>Kabuli</i>	Ca_Kabuli_Chr06	56822060	(G/A)
11403	CakSNP11403	<i>Kabuli</i>	Ca_Kabuli_Chr06	56840030	(A/C)
11404	CakSNP11404	<i>Kabuli</i>	Ca_Kabuli_Chr06	56840084	(A/T)
11405	CakSNP11405	<i>Kabuli</i>	Ca_Kabuli_Chr06	56840063	(T/A)
11406	CakSNP11406	<i>Kabuli</i>	Ca_Kabuli_Chr06	56840038	(A/T)
11407	CakSNP11407	<i>Kabuli</i>	Ca_Kabuli_Chr06	56854753	(T/C)
11408	CakSNP11408	<i>Kabuli</i>	Ca_Kabuli_Chr06	56946415	(A/G)
11409	CakSNP11409	<i>Kabuli</i>	Ca_Kabuli_Chr06	56946431	(T/C)
11410	CakSNP11410	<i>Kabuli</i>	Ca_Kabuli_Chr06	56950487	(G/T)
11411	CakSNP11411	<i>Kabuli</i>	Ca_Kabuli_Chr06	56980313	(T/C)
11412	CakSNP11412	<i>Kabuli</i>	Ca_Kabuli_Chr06	56980286	(T/C)
11413	CakSNP11413	<i>Kabuli</i>	Ca_Kabuli_Chr06	56980321	(T/C)
11414	CakSNP11414	<i>Kabuli</i>	Ca_Kabuli_Chr06	57147008	(A/G)
11415	CakSNP11415	<i>Kabuli</i>	Ca_Kabuli_Chr06	57198837	(G/A)
11416	CakSNP11416	<i>Kabuli</i>	Ca_Kabuli_Chr06	57259982	(C/A)
11417	CakSNP11417	<i>Kabuli</i>	Ca_Kabuli_Chr06	57260020	(A/G)
11418	CakSNP11418	<i>Kabuli</i>	Ca_Kabuli_Chr06	57260022	(T/C)
11419	CakSNP11419	<i>Kabuli</i>	Ca_Kabuli_Chr06	57272604	(A/G)
11420	CakSNP11420	<i>Kabuli</i>	Ca_Kabuli_Chr06	57272607	(G/A)
11421	CakSNP11421	<i>Kabuli</i>	Ca_Kabuli_Chr06	57272608	(C/A)
11422	CakSNP11422	<i>Kabuli</i>	Ca_Kabuli_Chr06	57277430	(A/G)
11423	CakSNP11423	<i>Kabuli</i>	Ca_Kabuli_Chr06	57277440	(C/T)
11424	CakSNP11424	<i>Kabuli</i>	Ca_Kabuli_Chr06	57344963	(G/T)
11425	CakSNP11425	<i>Kabuli</i>	Ca_Kabuli_Chr06	57382220	(G/A)
11426	CakSNP11426	<i>Kabuli</i>	Ca_Kabuli_Chr06	57433674	(T/A)
11427	CakSNP11427	<i>Kabuli</i>	Ca_Kabuli_Chr06	57436112	(A/T)
11428	CakSNP11428	<i>Kabuli</i>	Ca_Kabuli_Chr06	57436119	(T/C)
11429	CakSNP11429	<i>Kabuli</i>	Ca_Kabuli_Chr06	57436149	(T/A)
11430	CakSNP11430	<i>Kabuli</i>	Ca_Kabuli_Chr06	57436320	(T/G)
11431	CakSNP11431	<i>Kabuli</i>	Ca_Kabuli_Chr06	57437904	(A/G)
11432	CakSNP11432	<i>Kabuli</i>	Ca_Kabuli_Chr06	57449892	(A/G)
11433	CakSNP11433	<i>Kabuli</i>	Ca_Kabuli_Chr06	57475853	(G/T)
11434	CakSNP11434	<i>Kabuli</i>	Ca_Kabuli_Chr06	57475892	(A/G)
11435	CakSNP11435	<i>Kabuli</i>	Ca_Kabuli_Chr06	57475982	(A/G)
11436	CakSNP11436	<i>Kabuli</i>	Ca_Kabuli_Chr06	57533087	(G/A)
11437	CakSNP11437	<i>Kabuli</i>	Ca_Kabuli_Chr06	57579770	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11438	CakSNP11438	<i>Kabuli</i>	Ca_Kabuli_Chr06	57579768	(C/T)
11439	CakSNP11439	<i>Kabuli</i>	Ca_Kabuli_Chr06	57580569	(C/T)
11440	CakSNP11440	<i>Kabuli</i>	Ca_Kabuli_Chr06	57603257	(T/A)
11441	CakSNP11441	<i>Kabuli</i>	Ca_Kabuli_Chr06	57625134	(G/A)
11442	CakSNP11442	<i>Kabuli</i>	Ca_Kabuli_Chr06	57625320	(G/A)
11443	CakSNP11443	<i>Kabuli</i>	Ca_Kabuli_Chr06	57632486	(C/T)
11444	CakSNP11444	<i>Kabuli</i>	Ca_Kabuli_Chr06	57634387	(G/T)
11445	CakSNP11445	<i>Kabuli</i>	Ca_Kabuli_Chr06	57634677	(G/A)
11446	CakSNP11446	<i>Kabuli</i>	Ca_Kabuli_Chr06	57637091	(G/A)
11447	CakSNP11447	<i>Kabuli</i>	Ca_Kabuli_Chr06	57637083	(T/G)
11448	CakSNP11448	<i>Kabuli</i>	Ca_Kabuli_Chr06	57637075	(C/T)
11449	CakSNP11449	<i>Kabuli</i>	Ca_Kabuli_Chr06	57662858	(T/A)
11450	CakSNP11450	<i>Kabuli</i>	Ca_Kabuli_Chr06	57667515	(A/T)
11451	CakSNP11451	<i>Kabuli</i>	Ca_Kabuli_Chr06	57688937	(C/T)
11452	CakSNP11452	<i>Kabuli</i>	Ca_Kabuli_Chr06	57704057	(C/T)
11453	CakSNP11453	<i>Kabuli</i>	Ca_Kabuli_Chr06	57704802	(T/C)
11454	CakSNP11454	<i>Kabuli</i>	Ca_Kabuli_Chr06	57705011	(G/A)
11455	CakSNP11455	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707716	(C/T)
11456	CakSNP11456	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707724	(A/C)
11457	CakSNP11457	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707727	(T/G)
11458	CakSNP11458	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707848	(A/G)
11459	CakSNP11459	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707846	(G/A)
11460	CakSNP11460	<i>Kabuli</i>	Ca_Kabuli_Chr06	57707912	(G/C)
11461	CakSNP11461	<i>Kabuli</i>	Ca_Kabuli_Chr06	57708019	(A/G)
11462	CakSNP11462	<i>Kabuli</i>	Ca_Kabuli_Chr06	57708130	(T/C)
11463	CakSNP11463	<i>Kabuli</i>	Ca_Kabuli_Chr06	57708101	(T/G)
11464	CakSNP11464	<i>Kabuli</i>	Ca_Kabuli_Chr06	57708198	(C/T)
11465	CakSNP11465	<i>Kabuli</i>	Ca_Kabuli_Chr06	57710133	(C/G)
11466	CakSNP11466	<i>Kabuli</i>	Ca_Kabuli_Chr06	57720446	(T/C)
11467	CakSNP11467	<i>Kabuli</i>	Ca_Kabuli_Chr06	57723992	(A/C)
11468	CakSNP11468	<i>Kabuli</i>	Ca_Kabuli_Chr06	57725372	(A/C)
11469	CakSNP11469	<i>Kabuli</i>	Ca_Kabuli_Chr06	57746989	(C/T)
11470	CakSNP11470	<i>Kabuli</i>	Ca_Kabuli_Chr06	57747101	(C/T)
11471	CakSNP11471	<i>Kabuli</i>	Ca_Kabuli_Chr06	57748565	(A/G)
11472	CakSNP11472	<i>Kabuli</i>	Ca_Kabuli_Chr06	57748602	(A/T)
11473	CakSNP11473	<i>Kabuli</i>	Ca_Kabuli_Chr06	57753076	(T/C)
11474	CakSNP11474	<i>Kabuli</i>	Ca_Kabuli_Chr06	57756699	(G/A)
11475	CakSNP11475	<i>Kabuli</i>	Ca_Kabuli_Chr06	57760109	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11476	CakSNP11476	<i>Kabuli</i>	Ca_Kabuli_Ch06	57760176	(C/T)
11477	CakSNP11477	<i>Kabuli</i>	Ca_Kabuli_Ch06	57760227	(C/T)
11478	CakSNP11478	<i>Kabuli</i>	Ca_Kabuli_Ch06	57760290	(A/T)
11479	CakSNP11479	<i>Kabuli</i>	Ca_Kabuli_Ch06	57760291	(G/T)
11480	CakSNP11480	<i>Kabuli</i>	Ca_Kabuli_Ch06	57760360	(A/G)
11481	CakSNP11481	<i>Kabuli</i>	Ca_Kabuli_Ch06	57761758	(G/A)
11482	CakSNP11482	<i>Kabuli</i>	Ca_Kabuli_Ch06	57761722	(T/C)
11483	CakSNP11483	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766444	(C/T)
11484	CakSNP11484	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766484	(T/A)
11485	CakSNP11485	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766483	(C/A)
11486	CakSNP11486	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766570	(C/T)
11487	CakSNP11487	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766588	(G/A)
11488	CakSNP11488	<i>Kabuli</i>	Ca_Kabuli_Ch06	57766598	(G/A)
11489	CakSNP11489	<i>Kabuli</i>	Ca_Kabuli_Ch06	57768314	(T/C)
11490	CakSNP11490	<i>Kabuli</i>	Ca_Kabuli_Ch06	57801985	(A/C)
11491	CakSNP11491	<i>Kabuli</i>	Ca_Kabuli_Ch06	57831050	(G/T)
11492	CakSNP11492	<i>Kabuli</i>	Ca_Kabuli_Ch06	57831049	(C/T)
11493	CakSNP11493	<i>Kabuli</i>	Ca_Kabuli_Ch06	57831040	(T/C)
11494	CakSNP11494	<i>Kabuli</i>	Ca_Kabuli_Ch06	57835093	(T/A)
11495	CakSNP11495	<i>Kabuli</i>	Ca_Kabuli_Ch06	57835120	(G/A)
11496	CakSNP11496	<i>Kabuli</i>	Ca_Kabuli_Ch06	57835917	(G/C)
11497	CakSNP11497	<i>Kabuli</i>	Ca_Kabuli_Ch06	57835899	(C/T)
11498	CakSNP11498	<i>Kabuli</i>	Ca_Kabuli_Ch06	57836024	(G/A)
11499	CakSNP11499	<i>Kabuli</i>	Ca_Kabuli_Ch06	57836237	(A/G)
11500	CakSNP11500	<i>Kabuli</i>	Ca_Kabuli_Ch06	57836284	(G/A)
11501	CakSNP11501	<i>Kabuli</i>	Ca_Kabuli_Ch06	57836314	(T/A)
11502	CakSNP11502	<i>Kabuli</i>	Ca_Kabuli_Ch06	57836316	(G/A)
11503	CakSNP11503	<i>Kabuli</i>	Ca_Kabuli_Ch06	57870893	(C/A)
11504	CakSNP11504	<i>Kabuli</i>	Ca_Kabuli_Ch06	57877446	(C/A)
11505	CakSNP11505	<i>Kabuli</i>	Ca_Kabuli_Ch06	57882364	(C/T)
11506	CakSNP11506	<i>Kabuli</i>	Ca_Kabuli_Ch06	57894377	(A/G)
11507	CakSNP11507	<i>Kabuli</i>	Ca_Kabuli_Ch06	57894495	(C/G)
11508	CakSNP11508	<i>Kabuli</i>	Ca_Kabuli_Ch06	57894590	(G/C)
11509	CakSNP11509	<i>Kabuli</i>	Ca_Kabuli_Ch06	57894585	(T/G)
11510	CakSNP11510	<i>Kabuli</i>	Ca_Kabuli_Ch06	57904599	(T/C)
11511	CakSNP11511	<i>Kabuli</i>	Ca_Kabuli_Ch06	57921373	(C/T)
11512	CakSNP11512	<i>Kabuli</i>	Ca_Kabuli_Ch06	57943585	(A/T)
11513	CakSNP11513	<i>Kabuli</i>	Ca_Kabuli_Ch06	57943626	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11514	CakSNP11514	<i>Kabuli</i>	Ca_Kabuli_Chr06	57943628	(A/C)
11515	CakSNP11515	<i>Kabuli</i>	Ca_Kabuli_Chr06	57944439	(C/T)
11516	CakSNP11516	<i>Kabuli</i>	Ca_Kabuli_Chr06	57968924	(A/T)
11517	CakSNP11517	<i>Kabuli</i>	Ca_Kabuli_Chr06	58036471	(C/T)
11518	CakSNP11518	<i>Kabuli</i>	Ca_Kabuli_Chr06	58174702	(T/C)
11519	CakSNP11519	<i>Kabuli</i>	Ca_Kabuli_Chr06	58187822	(T/G)
11520	CakSNP11520	<i>Kabuli</i>	Ca_Kabuli_Chr06	58187859	(T/A)
11521	CakSNP11521	<i>Kabuli</i>	Ca_Kabuli_Chr06	58187957	(A/G)
11522	CakSNP11522	<i>Kabuli</i>	Ca_Kabuli_Chr06	58191050	(T/C)
11523	CakSNP11523	<i>Kabuli</i>	Ca_Kabuli_Chr06	58224023	(G/T)
11524	CakSNP11524	<i>Kabuli</i>	Ca_Kabuli_Chr06	58226908	(T/G)
11525	CakSNP11525	<i>Kabuli</i>	Ca_Kabuli_Chr06	58227006	(T/C)
11526	CakSNP11526	<i>Kabuli</i>	Ca_Kabuli_Chr06	58237503	(A/T)
11527	CakSNP11527	<i>Kabuli</i>	Ca_Kabuli_Chr06	58238371	(T/C)
11528	CakSNP11528	<i>Kabuli</i>	Ca_Kabuli_Chr06	58238397	(A/G)
11529	CakSNP11529	<i>Kabuli</i>	Ca_Kabuli_Chr06	58243505	(G/A)
11530	CakSNP11530	<i>Kabuli</i>	Ca_Kabuli_Chr06	58326344	(A/T)
11531	CakSNP11531	<i>Kabuli</i>	Ca_Kabuli_Chr06	58380367	(T/C)
11532	CakSNP11532	<i>Kabuli</i>	Ca_Kabuli_Chr06	58380394	(G/A)
11533	CakSNP11533	<i>Kabuli</i>	Ca_Kabuli_Chr06	58380563	(G/A)
11534	CakSNP11534	<i>Kabuli</i>	Ca_Kabuli_Chr06	58381203	(G/C)
11535	CakSNP11535	<i>Kabuli</i>	Ca_Kabuli_Chr06	58381259	(A/G)
11536	CakSNP11536	<i>Kabuli</i>	Ca_Kabuli_Chr06	58434217	(C/G)
11537	CakSNP11537	<i>Kabuli</i>	Ca_Kabuli_Chr06	58452843	(A/C)
11538	CakSNP11538	<i>Kabuli</i>	Ca_Kabuli_Chr06	58569576	(G/T)
11539	CakSNP11539	<i>Kabuli</i>	Ca_Kabuli_Chr06	58569569	(T/C)
11540	CakSNP11540	<i>Kabuli</i>	Ca_Kabuli_Chr06	58571660	(T/C)
11541	CakSNP11541	<i>Kabuli</i>	Ca_Kabuli_Chr06	58596821	(T/G)
11542	CakSNP11542	<i>Kabuli</i>	Ca_Kabuli_Chr06	58596878	(C/A)
11543	CakSNP11543	<i>Kabuli</i>	Ca_Kabuli_Chr06	58596968	(T/C)
11544	CakSNP11544	<i>Kabuli</i>	Ca_Kabuli_Chr06	58596918	(A/G)
11545	CakSNP11545	<i>Kabuli</i>	Ca_Kabuli_Chr06	58600930	(C/A)
11546	CakSNP11546	<i>Kabuli</i>	Ca_Kabuli_Chr06	58600952	(A/G)
11547	CakSNP11547	<i>Kabuli</i>	Ca_Kabuli_Chr06	58600974	(A/G)
11548	CakSNP11548	<i>Kabuli</i>	Ca_Kabuli_Chr06	58623095	(A/G)
11549	CakSNP11549	<i>Kabuli</i>	Ca_Kabuli_Chr06	58623096	(A/T)
11550	CakSNP11550	<i>Kabuli</i>	Ca_Kabuli_Chr06	58623220	(T/C)
11551	CakSNP11551	<i>Kabuli</i>	Ca_Kabuli_Chr06	58624183	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11552	CakSNP11552	<i>Kabuli</i>	Ca_Kabuli_Chr06	58624233	(C/A)
11553	CakSNP11553	<i>Kabuli</i>	Ca_Kabuli_Chr06	58624299	(A/G)
11554	CakSNP11554	<i>Kabuli</i>	Ca_Kabuli_Chr06	58624281	(A/G)
11555	CakSNP11555	<i>Kabuli</i>	Ca_Kabuli_Chr06	58624251	(C/T)
11556	CakSNP11556	<i>Kabuli</i>	Ca_Kabuli_Chr06	58650354	(A/G)
11557	CakSNP11557	<i>Kabuli</i>	Ca_Kabuli_Chr06	58650330	(G/A)
11558	CakSNP11558	<i>Kabuli</i>	Ca_Kabuli_Chr06	58650318	(A/C)
11559	CakSNP11559	<i>Kabuli</i>	Ca_Kabuli_Chr06	58650459	(A/T)
11560	CakSNP11560	<i>Kabuli</i>	Ca_Kabuli_Chr06	58650491	(A/G)
11561	CakSNP11561	<i>Kabuli</i>	Ca_Kabuli_Chr06	58652881	(A/G)
11562	CakSNP11562	<i>Kabuli</i>	Ca_Kabuli_Chr06	58672317	(A/G)
11563	CakSNP11563	<i>Kabuli</i>	Ca_Kabuli_Chr06	58675788	(T/C)
11564	CakSNP11564	<i>Kabuli</i>	Ca_Kabuli_Chr06	58675749	(T/C)
11565	CakSNP11565	<i>Kabuli</i>	Ca_Kabuli_Chr06	58676507	(A/G)
11566	CakSNP11566	<i>Kabuli</i>	Ca_Kabuli_Chr06	58676517	(A/C)
11567	CakSNP11567	<i>Kabuli</i>	Ca_Kabuli_Chr06	58682427	(G/T)
11568	CakSNP11568	<i>Kabuli</i>	Ca_Kabuli_Chr06	58682397	(G/A)
11569	CakSNP11569	<i>Kabuli</i>	Ca_Kabuli_Chr06	58682387	(T/A)
11570	CakSNP11570	<i>Kabuli</i>	Ca_Kabuli_Chr06	58730925	(T/C)
11571	CakSNP11571	<i>Kabuli</i>	Ca_Kabuli_Chr06	58730969	(C/A)
11572	CakSNP11572	<i>Kabuli</i>	Ca_Kabuli_Chr06	58730967	(T/G)
11573	CakSNP11573	<i>Kabuli</i>	Ca_Kabuli_Chr06	58732424	(G/T)
11574	CakSNP11574	<i>Kabuli</i>	Ca_Kabuli_Chr06	58732423	(C/T)
11575	CakSNP11575	<i>Kabuli</i>	Ca_Kabuli_Chr06	58732514	(G/A)
11576	CakSNP11576	<i>Kabuli</i>	Ca_Kabuli_Chr06	58732451	(T/C)
11577	CakSNP11577	<i>Kabuli</i>	Ca_Kabuli_Chr06	58732475	(G/A)
11578	CakSNP11578	<i>Kabuli</i>	Ca_Kabuli_Chr06	58745356	(A/G)
11579	CakSNP11579	<i>Kabuli</i>	Ca_Kabuli_Chr06	58745473	(A/G)
11580	CakSNP11580	<i>Kabuli</i>	Ca_Kabuli_Chr06	58745426	(T/C)
11581	CakSNP11581	<i>Kabuli</i>	Ca_Kabuli_Chr06	58745583	(C/T)
11582	CakSNP11582	<i>Kabuli</i>	Ca_Kabuli_Chr06	58761879	(G/A)
11583	CakSNP11583	<i>Kabuli</i>	Ca_Kabuli_Chr06	58779344	(A/G)
11584	CakSNP11584	<i>Kabuli</i>	Ca_Kabuli_Chr06	58779389	(T/G)
11585	CakSNP11585	<i>Kabuli</i>	Ca_Kabuli_Chr06	58820632	(A/C)
11586	CakSNP11586	<i>Kabuli</i>	Ca_Kabuli_Chr06	58844717	(T/C)
11587	CakSNP11587	<i>Kabuli</i>	Ca_Kabuli_Chr06	58844744	(A/T)
11588	CakSNP11588	<i>Kabuli</i>	Ca_Kabuli_Chr06	58844776	(C/G)
11589	CakSNP11589	<i>Kabuli</i>	Ca_Kabuli_Chr06	58861614	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11590	CakSNP11590	<i>Kabuli</i>	Ca_Kabuli_Chr06	58878604	(C/G)
11591	CakSNP11591	<i>Kabuli</i>	Ca_Kabuli_Chr06	58879570	(T/C)
11592	CakSNP11592	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903346	(G/A)
11593	CakSNP11593	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903381	(G/A)
11594	CakSNP11594	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903395	(A/G)
11595	CakSNP11595	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903416	(T/G)
11596	CakSNP11596	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903497	(G/C)
11597	CakSNP11597	<i>Kabuli</i>	Ca_Kabuli_Chr06	58903538	(G/A)
11598	CakSNP11598	<i>Kabuli</i>	Ca_Kabuli_Chr06	58908024	(G/A)
11599	CakSNP11599	<i>Kabuli</i>	Ca_Kabuli_Chr06	58908045	(A/G)
11600	CakSNP11600	<i>Kabuli</i>	Ca_Kabuli_Chr06	58908069	(G/A)
11601	CakSNP11601	<i>Kabuli</i>	Ca_Kabuli_Chr06	58911548	(T/C)
11602	CakSNP11602	<i>Kabuli</i>	Ca_Kabuli_Chr06	58951079	(T/C)
11603	CakSNP11603	<i>Kabuli</i>	Ca_Kabuli_Chr06	58951298	(A/G)
11604	CakSNP11604	<i>Kabuli</i>	Ca_Kabuli_Chr06	58951583	(C/A)
11605	CakSNP11605	<i>Kabuli</i>	Ca_Kabuli_Chr06	58953219	(A/G)
11606	CakSNP11606	<i>Kabuli</i>	Ca_Kabuli_Chr06	58994014	(C/T)
11607	CakSNP11607	<i>Kabuli</i>	Ca_Kabuli_Chr06	58994083	(A/G)
11608	CakSNP11608	<i>Kabuli</i>	Ca_Kabuli_Chr06	58994281	(G/A)
11609	CakSNP11609	<i>Kabuli</i>	Ca_Kabuli_Chr06	59001443	(C/T)
11610	CakSNP11610	<i>Kabuli</i>	Ca_Kabuli_Chr06	59003792	(A/C)
11611	CakSNP11611	<i>Kabuli</i>	Ca_Kabuli_Chr06	59064798	(G/T)
11612	CakSNP11612	<i>Kabuli</i>	Ca_Kabuli_Chr06	59064815	(C/T)
11613	CakSNP11613	<i>Kabuli</i>	Ca_Kabuli_Chr06	59081169	(C/T)
11614	CakSNP11614	<i>Kabuli</i>	Ca_Kabuli_Chr06	59107027	(A/T)
11615	CakSNP11615	<i>Kabuli</i>	Ca_Kabuli_Chr06	59107007	(G/T)
11616	CakSNP11616	<i>Kabuli</i>	Ca_Kabuli_Chr06	59135944	(A/C)
11617	CakSNP11617	<i>Kabuli</i>	Ca_Kabuli_Chr06	59194015	(C/G)
11618	CakSNP11618	<i>Kabuli</i>	Ca_Kabuli_Chr06	59193994	(G/T)
11619	CakSNP11619	<i>Kabuli</i>	Ca_Kabuli_Chr06	59194081	(T/A)
11620	CakSNP11620	<i>Kabuli</i>	Ca_Kabuli_Chr06	59202825	(T/G)
11621	CakSNP11621	<i>Kabuli</i>	Ca_Kabuli_Chr06	59219099	(T/C)
11622	CakSNP11622	<i>Kabuli</i>	Ca_Kabuli_Chr06	59222848	(C/T)
11623	CakSNP11623	<i>Kabuli</i>	Ca_Kabuli_Chr06	59296368	(C/T)
11624	CakSNP11624	<i>Kabuli</i>	Ca_Kabuli_Chr06	59296460	(G/A)
11625	CakSNP11625	<i>Kabuli</i>	Ca_Kabuli_Chr06	59407761	(G/A)
11626	CakSNP11626	<i>Kabuli</i>	Ca_Kabuli_Chr06	59417984	(G/A)
11627	CakSNP11627	<i>Kabuli</i>	Ca_Kabuli_Chr07	16760	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11628	CakSNP11628	<i>Kabuli</i>	Ca_Kabuli_Chr07	16850	(C/T)
11629	CakSNP11629	<i>Kabuli</i>	Ca_Kabuli_Chr07	16880	(G/A)
11630	CakSNP11630	<i>Kabuli</i>	Ca_Kabuli_Chr07	16881	(A/G)
11631	CakSNP11631	<i>Kabuli</i>	Ca_Kabuli_Chr07	41841	(G/A)
11632	CakSNP11632	<i>Kabuli</i>	Ca_Kabuli_Chr07	55131	(T/C)
11633	CakSNP11633	<i>Kabuli</i>	Ca_Kabuli_Chr07	208824	(A/G)
11634	CakSNP11634	<i>Kabuli</i>	Ca_Kabuli_Chr07	218346	(C/A)
11635	CakSNP11635	<i>Kabuli</i>	Ca_Kabuli_Chr07	218341	(C/G)
11636	CakSNP11636	<i>Kabuli</i>	Ca_Kabuli_Chr07	419301	(C/T)
11637	CakSNP11637	<i>Kabuli</i>	Ca_Kabuli_Chr07	419316	(A/G)
11638	CakSNP11638	<i>Kabuli</i>	Ca_Kabuli_Chr07	419334	(A/C)
11639	CakSNP11639	<i>Kabuli</i>	Ca_Kabuli_Chr07	419385	(T/G)
11640	CakSNP11640	<i>Kabuli</i>	Ca_Kabuli_Chr07	419328	(C/T)
11641	CakSNP11641	<i>Kabuli</i>	Ca_Kabuli_Chr07	419679	(C/T)
11642	CakSNP11642	<i>Kabuli</i>	Ca_Kabuli_Chr07	419638	(C/T)
11643	CakSNP11643	<i>Kabuli</i>	Ca_Kabuli_Chr07	419628	(A/C)
11644	CakSNP11644	<i>Kabuli</i>	Ca_Kabuli_Chr07	528521	(G/A)
11645	CakSNP11645	<i>Kabuli</i>	Ca_Kabuli_Chr07	601563	(T/A)
11646	CakSNP11646	<i>Kabuli</i>	Ca_Kabuli_Chr07	601551	(T/C)
11647	CakSNP11647	<i>Kabuli</i>	Ca_Kabuli_Chr07	601545	(C/T)
11648	CakSNP11648	<i>Kabuli</i>	Ca_Kabuli_Chr07	601538	(C/A)
11649	CakSNP11649	<i>Kabuli</i>	Ca_Kabuli_Chr07	601521	(G/A)
11650	CakSNP11650	<i>Kabuli</i>	Ca_Kabuli_Chr07	601516	(G/A)
11651	CakSNP11651	<i>Kabuli</i>	Ca_Kabuli_Chr07	601513	(C/G)
11652	CakSNP11652	<i>Kabuli</i>	Ca_Kabuli_Chr07	601502	(G/T)
11653	CakSNP11653	<i>Kabuli</i>	Ca_Kabuli_Chr07	601496	(C/T)
11654	CakSNP11654	<i>Kabuli</i>	Ca_Kabuli_Chr07	601586	(C/T)
11655	CakSNP11655	<i>Kabuli</i>	Ca_Kabuli_Chr07	601601	(C/T)
11656	CakSNP11656	<i>Kabuli</i>	Ca_Kabuli_Chr07	601612	(A/G)
11657	CakSNP11657	<i>Kabuli</i>	Ca_Kabuli_Chr07	601643	(G/T)
11658	CakSNP11658	<i>Kabuli</i>	Ca_Kabuli_Chr07	601622	(G/C)
11659	CakSNP11659	<i>Kabuli</i>	Ca_Kabuli_Chr07	601657	(C/T)
11660	CakSNP11660	<i>Kabuli</i>	Ca_Kabuli_Chr07	601719	(G/T)
11661	CakSNP11661	<i>Kabuli</i>	Ca_Kabuli_Chr07	601718	(G/C)
11662	CakSNP11662	<i>Kabuli</i>	Ca_Kabuli_Chr07	601714	(A/T)
11663	CakSNP11663	<i>Kabuli</i>	Ca_Kabuli_Chr07	601709	(A/C)
11664	CakSNP11664	<i>Kabuli</i>	Ca_Kabuli_Chr07	601683	(G/A)
11665	CakSNP11665	<i>Kabuli</i>	Ca_Kabuli_Chr07	601647	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11666	CakSNP11666	<i>Kabuli</i>	Ca_Kabuli_Chr07	610737	(C/A)
11667	CakSNP11667	<i>Kabuli</i>	Ca_Kabuli_Chr07	610723	(G/T)
11668	CakSNP11668	<i>Kabuli</i>	Ca_Kabuli_Chr07	667597	(C/T)
11669	CakSNP11669	<i>Kabuli</i>	Ca_Kabuli_Chr07	674791	(A/T)
11670	CakSNP11670	<i>Kabuli</i>	Ca_Kabuli_Chr07	676785	(G/T)
11671	CakSNP11671	<i>Kabuli</i>	Ca_Kabuli_Chr07	676786	(G/A)
11672	CakSNP11672	<i>Kabuli</i>	Ca_Kabuli_Chr07	676790	(T/C)
11673	CakSNP11673	<i>Kabuli</i>	Ca_Kabuli_Chr07	683245	(T/C)
11674	CakSNP11674	<i>Kabuli</i>	Ca_Kabuli_Chr07	761710	(A/G)
11675	CakSNP11675	<i>Kabuli</i>	Ca_Kabuli_Chr07	767708	(G/A)
11676	CakSNP11676	<i>Kabuli</i>	Ca_Kabuli_Chr07	781377	(G/T)
11677	CakSNP11677	<i>Kabuli</i>	Ca_Kabuli_Chr07	781409	(A/G)
11678	CakSNP11678	<i>Kabuli</i>	Ca_Kabuli_Chr07	807095	(A/T)
11679	CakSNP11679	<i>Kabuli</i>	Ca_Kabuli_Chr07	807110	(T/C)
11680	CakSNP11680	<i>Kabuli</i>	Ca_Kabuli_Chr07	807133	(T/A)
11681	CakSNP11681	<i>Kabuli</i>	Ca_Kabuli_Chr07	815477	(A/T)
11682	CakSNP11682	<i>Kabuli</i>	Ca_Kabuli_Chr07	815526	(C/A)
11683	CakSNP11683	<i>Kabuli</i>	Ca_Kabuli_Chr07	838581	(C/A)
11684	CakSNP11684	<i>Kabuli</i>	Ca_Kabuli_Chr07	838651	(A/C)
11685	CakSNP11685	<i>Kabuli</i>	Ca_Kabuli_Chr07	841988	(T/C)
11686	CakSNP11686	<i>Kabuli</i>	Ca_Kabuli_Chr07	844248	(G/A)
11687	CakSNP11687	<i>Kabuli</i>	Ca_Kabuli_Chr07	845488	(A/G)
11688	CakSNP11688	<i>Kabuli</i>	Ca_Kabuli_Chr07	865007	(C/T)
11689	CakSNP11689	<i>Kabuli</i>	Ca_Kabuli_Chr07	865170	(C/T)
11690	CakSNP11690	<i>Kabuli</i>	Ca_Kabuli_Chr07	873207	(A/G)
11691	CakSNP11691	<i>Kabuli</i>	Ca_Kabuli_Chr07	888900	(G/A)
11692	CakSNP11692	<i>Kabuli</i>	Ca_Kabuli_Chr07	888987	(A/G)
11693	CakSNP11693	<i>Kabuli</i>	Ca_Kabuli_Chr07	975236	(T/A)
11694	CakSNP11694	<i>Kabuli</i>	Ca_Kabuli_Chr07	993031	(G/T)
11695	CakSNP11695	<i>Kabuli</i>	Ca_Kabuli_Chr07	994976	(G/A)
11696	CakSNP11696	<i>Kabuli</i>	Ca_Kabuli_Chr07	995691	(C/T)
11697	CakSNP11697	<i>Kabuli</i>	Ca_Kabuli_Chr07	995674	(T/C)
11698	CakSNP11698	<i>Kabuli</i>	Ca_Kabuli_Chr07	1022946	(C/T)
11699	CakSNP11699	<i>Kabuli</i>	Ca_Kabuli_Chr07	1045113	(A/C)
11700	CakSNP11700	<i>Kabuli</i>	Ca_Kabuli_Chr07	1045127	(T/A)
11701	CakSNP11701	<i>Kabuli</i>	Ca_Kabuli_Chr07	1096379	(C/T)
11702	CakSNP11702	<i>Kabuli</i>	Ca_Kabuli_Chr07	1153267	(A/C)
11703	CakSNP11703	<i>Kabuli</i>	Ca_Kabuli_Chr07	1174188	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11704	CakSNP11704	<i>Kabuli</i>	Ca_Kabuli_Chr07	1293601	(C/G)
11705	CakSNP11705	<i>Kabuli</i>	Ca_Kabuli_Chr07	1350605	(C/T)
11706	CakSNP11706	<i>Kabuli</i>	Ca_Kabuli_Chr07	1350856	(G/T)
11707	CakSNP11707	<i>Kabuli</i>	Ca_Kabuli_Chr07	1350846	(A/T)
11708	CakSNP11708	<i>Kabuli</i>	Ca_Kabuli_Chr07	1350947	(T/G)
11709	CakSNP11709	<i>Kabuli</i>	Ca_Kabuli_Chr07	1414206	(C/A)
11710	CakSNP11710	<i>Kabuli</i>	Ca_Kabuli_Chr07	1505646	(G/A)
11711	CakSNP11711	<i>Kabuli</i>	Ca_Kabuli_Chr07	1509156	(G/A)
11712	CakSNP11712	<i>Kabuli</i>	Ca_Kabuli_Chr07	1511252	(C/T)
11713	CakSNP11713	<i>Kabuli</i>	Ca_Kabuli_Chr07	1585622	(T/C)
11714	CakSNP11714	<i>Kabuli</i>	Ca_Kabuli_Chr07	1635519	(G/A)
11715	CakSNP11715	<i>Kabuli</i>	Ca_Kabuli_Chr07	1635471	(G/T)
11716	CakSNP11716	<i>Kabuli</i>	Ca_Kabuli_Chr07	1702033	(G/T)
11717	CakSNP11717	<i>Kabuli</i>	Ca_Kabuli_Chr07	1702063	(A/G)
11718	CakSNP11718	<i>Kabuli</i>	Ca_Kabuli_Chr07	1702077	(G/C)
11719	CakSNP11719	<i>Kabuli</i>	Ca_Kabuli_Chr07	1704780	(T/G)
11720	CakSNP11720	<i>Kabuli</i>	Ca_Kabuli_Chr07	1704802	(A/G)
11721	CakSNP11721	<i>Kabuli</i>	Ca_Kabuli_Chr07	1704892	(A/G)
11722	CakSNP11722	<i>Kabuli</i>	Ca_Kabuli_Chr07	1704947	(C/T)
11723	CakSNP11723	<i>Kabuli</i>	Ca_Kabuli_Chr07	1705197	(A/C)
11724	CakSNP11724	<i>Kabuli</i>	Ca_Kabuli_Chr07	1707283	(G/T)
11725	CakSNP11725	<i>Kabuli</i>	Ca_Kabuli_Chr07	1707375	(C/G)
11726	CakSNP11726	<i>Kabuli</i>	Ca_Kabuli_Chr07	1739369	(C/A)
11727	CakSNP11727	<i>Kabuli</i>	Ca_Kabuli_Chr07	1787308	(T/A)
11728	CakSNP11728	<i>Kabuli</i>	Ca_Kabuli_Chr07	1787417	(G/A)
11729	CakSNP11729	<i>Kabuli</i>	Ca_Kabuli_Chr07	1946020	(G/A)
11730	CakSNP11730	<i>Kabuli</i>	Ca_Kabuli_Chr07	1963659	(T/A)
11731	CakSNP11731	<i>Kabuli</i>	Ca_Kabuli_Chr07	1963757	(A/G)
11732	CakSNP11732	<i>Kabuli</i>	Ca_Kabuli_Chr07	1991642	(G/T)
11733	CakSNP11733	<i>Kabuli</i>	Ca_Kabuli_Chr07	2012854	(T/A)
11734	CakSNP11734	<i>Kabuli</i>	Ca_Kabuli_Chr07	2103626	(C/T)
11735	CakSNP11735	<i>Kabuli</i>	Ca_Kabuli_Chr07	2106876	(C/A)
11736	CakSNP11736	<i>Kabuli</i>	Ca_Kabuli_Chr07	2106917	(A/T)
11737	CakSNP11737	<i>Kabuli</i>	Ca_Kabuli_Chr07	2146554	(G/A)
11738	CakSNP11738	<i>Kabuli</i>	Ca_Kabuli_Chr07	2167517	(A/C)
11739	CakSNP11739	<i>Kabuli</i>	Ca_Kabuli_Chr07	2167540	(G/C)
11740	CakSNP11740	<i>Kabuli</i>	Ca_Kabuli_Chr07	2211897	(G/A)
11741	CakSNP11741	<i>Kabuli</i>	Ca_Kabuli_Chr07	2219764	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11742	CakSNP11742	<i>Kabuli</i>	Ca_Kabuli_Chr07	2230434	(A/G)
11743	CakSNP11743	<i>Kabuli</i>	Ca_Kabuli_Chr07	2262749	(C/G)
11744	CakSNP11744	<i>Kabuli</i>	Ca_Kabuli_Chr07	2262865	(A/G)
11745	CakSNP11745	<i>Kabuli</i>	Ca_Kabuli_Chr07	2262843	(T/A)
11746	CakSNP11746	<i>Kabuli</i>	Ca_Kabuli_Chr07	2361064	(T/G)
11747	CakSNP11747	<i>Kabuli</i>	Ca_Kabuli_Chr07	2387109	(C/T)
11748	CakSNP11748	<i>Kabuli</i>	Ca_Kabuli_Chr07	2391392	(G/A)
11749	CakSNP11749	<i>Kabuli</i>	Ca_Kabuli_Chr07	2401235	(T/C)
11750	CakSNP11750	<i>Kabuli</i>	Ca_Kabuli_Chr07	2493033	(A/G)
11751	CakSNP11751	<i>Kabuli</i>	Ca_Kabuli_Chr07	2538167	(C/G)
11752	CakSNP11752	<i>Kabuli</i>	Ca_Kabuli_Chr07	2541501	(A/G)
11753	CakSNP11753	<i>Kabuli</i>	Ca_Kabuli_Chr07	2541551	(G/A)
11754	CakSNP11754	<i>Kabuli</i>	Ca_Kabuli_Chr07	2541653	(C/G)
11755	CakSNP11755	<i>Kabuli</i>	Ca_Kabuli_Chr07	2545613	(T/C)
11756	CakSNP11756	<i>Kabuli</i>	Ca_Kabuli_Chr07	2552454	(G/T)
11757	CakSNP11757	<i>Kabuli</i>	Ca_Kabuli_Chr07	2603595	(C/T)
11758	CakSNP11758	<i>Kabuli</i>	Ca_Kabuli_Chr07	2603633	(C/T)
11759	CakSNP11759	<i>Kabuli</i>	Ca_Kabuli_Chr07	2603649	(T/C)
11760	CakSNP11760	<i>Kabuli</i>	Ca_Kabuli_Chr07	2609831	(C/A)
11761	CakSNP11761	<i>Kabuli</i>	Ca_Kabuli_Chr07	2618478	(C/T)
11762	CakSNP11762	<i>Kabuli</i>	Ca_Kabuli_Chr07	2654442	(T/G)
11763	CakSNP11763	<i>Kabuli</i>	Ca_Kabuli_Chr07	2654478	(C/T)
11764	CakSNP11764	<i>Kabuli</i>	Ca_Kabuli_Chr07	2684213	(A/G)
11765	CakSNP11765	<i>Kabuli</i>	Ca_Kabuli_Chr07	2734680	(A/G)
11766	CakSNP11766	<i>Kabuli</i>	Ca_Kabuli_Chr07	2734625	(C/T)
11767	CakSNP11767	<i>Kabuli</i>	Ca_Kabuli_Chr07	2745665	(A/C)
11768	CakSNP11768	<i>Kabuli</i>	Ca_Kabuli_Chr07	2745656	(A/C)
11769	CakSNP11769	<i>Kabuli</i>	Ca_Kabuli_Chr07	2757260	(C/T)
11770	CakSNP11770	<i>Kabuli</i>	Ca_Kabuli_Chr07	2757255	(G/C)
11771	CakSNP11771	<i>Kabuli</i>	Ca_Kabuli_Chr07	2757253	(T/G)
11772	CakSNP11772	<i>Kabuli</i>	Ca_Kabuli_Chr07	2762396	(G/A)
11773	CakSNP11773	<i>Kabuli</i>	Ca_Kabuli_Chr07	2762406	(C/T)
11774	CakSNP11774	<i>Kabuli</i>	Ca_Kabuli_Chr07	2762423	(G/A)
11775	CakSNP11775	<i>Kabuli</i>	Ca_Kabuli_Chr07	2832369	(C/T)
11776	CakSNP11776	<i>Kabuli</i>	Ca_Kabuli_Chr07	2857630	(T/G)
11777	CakSNP11777	<i>Kabuli</i>	Ca_Kabuli_Chr07	2857818	(T/A)
11778	CakSNP11778	<i>Kabuli</i>	Ca_Kabuli_Chr07	2857844	(C/T)
11779	CakSNP11779	<i>Kabuli</i>	Ca_Kabuli_Chr07	2909641	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11780	CakSNP11780	<i>Kabuli</i>	Ca_Kabuli_Chr07	2915375	(C/G)
11781	CakSNP11781	<i>Kabuli</i>	Ca_Kabuli_Chr07	2932309	(C/G)
11782	CakSNP11782	<i>Kabuli</i>	Ca_Kabuli_Chr07	2932301	(C/A)
11783	CakSNP11783	<i>Kabuli</i>	Ca_Kabuli_Chr07	2932377	(C/T)
11784	CakSNP11784	<i>Kabuli</i>	Ca_Kabuli_Chr07	2956665	(C/T)
11785	CakSNP11785	<i>Kabuli</i>	Ca_Kabuli_Chr07	2956767	(A/G)
11786	CakSNP11786	<i>Kabuli</i>	Ca_Kabuli_Chr07	2969653	(A/G)
11787	CakSNP11787	<i>Kabuli</i>	Ca_Kabuli_Chr07	2997261	(A/G)
11788	CakSNP11788	<i>Kabuli</i>	Ca_Kabuli_Chr07	3023182	(T/C)
11789	CakSNP11789	<i>Kabuli</i>	Ca_Kabuli_Chr07	3023154	(T/C)
11790	CakSNP11790	<i>Kabuli</i>	Ca_Kabuli_Chr07	3070531	(A/C)
11791	CakSNP11791	<i>Kabuli</i>	Ca_Kabuli_Chr07	3090898	(G/A)
11792	CakSNP11792	<i>Kabuli</i>	Ca_Kabuli_Chr07	3093884	(T/A)
11793	CakSNP11793	<i>Kabuli</i>	Ca_Kabuli_Chr07	3093953	(T/G)
11794	CakSNP11794	<i>Kabuli</i>	Ca_Kabuli_Chr07	3094090	(G/A)
11795	CakSNP11795	<i>Kabuli</i>	Ca_Kabuli_Chr07	3094087	(A/G)
11796	CakSNP11796	<i>Kabuli</i>	Ca_Kabuli_Chr07	3107197	(C/T)
11797	CakSNP11797	<i>Kabuli</i>	Ca_Kabuli_Chr07	3107239	(T/A)
11798	CakSNP11798	<i>Kabuli</i>	Ca_Kabuli_Chr07	3109250	(T/C)
11799	CakSNP11799	<i>Kabuli</i>	Ca_Kabuli_Chr07	3109352	(T/C)
11800	CakSNP11800	<i>Kabuli</i>	Ca_Kabuli_Chr07	3110316	(A/G)
11801	CakSNP11801	<i>Kabuli</i>	Ca_Kabuli_Chr07	3130070	(A/G)
11802	CakSNP11802	<i>Kabuli</i>	Ca_Kabuli_Chr07	3130069	(A/G)
11803	CakSNP11803	<i>Kabuli</i>	Ca_Kabuli_Chr07	3143409	(C/T)
11804	CakSNP11804	<i>Kabuli</i>	Ca_Kabuli_Chr07	3186341	(C/T)
11805	CakSNP11805	<i>Kabuli</i>	Ca_Kabuli_Chr07	3186262	(T/G)
11806	CakSNP11806	<i>Kabuli</i>	Ca_Kabuli_Chr07	3198197	(C/A)
11807	CakSNP11807	<i>Kabuli</i>	Ca_Kabuli_Chr07	3198263	(T/C)
11808	CakSNP11808	<i>Kabuli</i>	Ca_Kabuli_Chr07	3217916	(T/G)
11809	CakSNP11809	<i>Kabuli</i>	Ca_Kabuli_Chr07	3236150	(A/C)
11810	CakSNP11810	<i>Kabuli</i>	Ca_Kabuli_Chr07	3265823	(A/G)
11811	CakSNP11811	<i>Kabuli</i>	Ca_Kabuli_Chr07	3297560	(G/A)
11812	CakSNP11812	<i>Kabuli</i>	Ca_Kabuli_Chr07	3297677	(G/T)
11813	CakSNP11813	<i>Kabuli</i>	Ca_Kabuli_Chr07	3315157	(A/G)
11814	CakSNP11814	<i>Kabuli</i>	Ca_Kabuli_Chr07	3351037	(G/T)
11815	CakSNP11815	<i>Kabuli</i>	Ca_Kabuli_Chr07	3353095	(C/T)
11816	CakSNP11816	<i>Kabuli</i>	Ca_Kabuli_Chr07	3355627	(A/G)
11817	CakSNP11817	<i>Kabuli</i>	Ca_Kabuli_Chr07	3355763	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11818	CakSNP11818	<i>Kabuli</i>	Ca_Kabuli_Chr07	3356399	(G/A)
11819	CakSNP11819	<i>Kabuli</i>	Ca_Kabuli_Chr07	3357452	(G/A)
11820	CakSNP11820	<i>Kabuli</i>	Ca_Kabuli_Chr07	3430492	(A/T)
11821	CakSNP11821	<i>Kabuli</i>	Ca_Kabuli_Chr07	3430479	(G/A)
11822	CakSNP11822	<i>Kabuli</i>	Ca_Kabuli_Chr07	3445031	(T/C)
11823	CakSNP11823	<i>Kabuli</i>	Ca_Kabuli_Chr07	3476546	(T/C)
11824	CakSNP11824	<i>Kabuli</i>	Ca_Kabuli_Chr07	3504900	(G/A)
11825	CakSNP11825	<i>Kabuli</i>	Ca_Kabuli_Chr07	3505012	(A/C)
11826	CakSNP11826	<i>Kabuli</i>	Ca_Kabuli_Chr07	3518048	(G/A)
11827	CakSNP11827	<i>Kabuli</i>	Ca_Kabuli_Chr07	3519510	(A/G)
11828	CakSNP11828	<i>Kabuli</i>	Ca_Kabuli_Chr07	3519701	(A/C)
11829	CakSNP11829	<i>Kabuli</i>	Ca_Kabuli_Chr07	3521150	(A/G)
11830	CakSNP11830	<i>Kabuli</i>	Ca_Kabuli_Chr07	3521257	(G/A)
11831	CakSNP11831	<i>Kabuli</i>	Ca_Kabuli_Chr07	3521192	(C/A)
11832	CakSNP11832	<i>Kabuli</i>	Ca_Kabuli_Chr07	3536194	(C/T)
11833	CakSNP11833	<i>Kabuli</i>	Ca_Kabuli_Chr07	3536233	(T/C)
11834	CakSNP11834	<i>Kabuli</i>	Ca_Kabuli_Chr07	3543765	(A/G)
11835	CakSNP11835	<i>Kabuli</i>	Ca_Kabuli_Chr07	3543768	(T/C)
11836	CakSNP11836	<i>Kabuli</i>	Ca_Kabuli_Chr07	3557570	(C/T)
11837	CakSNP11837	<i>Kabuli</i>	Ca_Kabuli_Chr07	3560182	(G/A)
11838	CakSNP11838	<i>Kabuli</i>	Ca_Kabuli_Chr07	3560250	(C/T)
11839	CakSNP11839	<i>Kabuli</i>	Ca_Kabuli_Chr07	3572963	(T/C)
11840	CakSNP11840	<i>Kabuli</i>	Ca_Kabuli_Chr07	3581123	(G/A)
11841	CakSNP11841	<i>Kabuli</i>	Ca_Kabuli_Chr07	3600826	(C/T)
11842	CakSNP11842	<i>Kabuli</i>	Ca_Kabuli_Chr07	3600833	(T/G)
11843	CakSNP11843	<i>Kabuli</i>	Ca_Kabuli_Chr07	3600866	(T/C)
11844	CakSNP11844	<i>Kabuli</i>	Ca_Kabuli_Chr07	3600867	(C/T)
11845	CakSNP11845	<i>Kabuli</i>	Ca_Kabuli_Chr07	3600987	(A/C)
11846	CakSNP11846	<i>Kabuli</i>	Ca_Kabuli_Chr07	3628086	(G/A)
11847	CakSNP11847	<i>Kabuli</i>	Ca_Kabuli_Chr07	3635307	(G/A)
11848	CakSNP11848	<i>Kabuli</i>	Ca_Kabuli_Chr07	3635309	(C/T)
11849	CakSNP11849	<i>Kabuli</i>	Ca_Kabuli_Chr07	3635318	(T/A)
11850	CakSNP11850	<i>Kabuli</i>	Ca_Kabuli_Chr07	3635325	(T/C)
11851	CakSNP11851	<i>Kabuli</i>	Ca_Kabuli_Chr07	3635369	(G/T)
11852	CakSNP11852	<i>Kabuli</i>	Ca_Kabuli_Chr07	3651051	(T/C)
11853	CakSNP11853	<i>Kabuli</i>	Ca_Kabuli_Chr07	3655451	(G/T)
11854	CakSNP11854	<i>Kabuli</i>	Ca_Kabuli_Chr07	3665651	(G/C)
11855	CakSNP11855	<i>Kabuli</i>	Ca_Kabuli_Chr07	3672192	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11856	CakSNP11856	<i>Kabuli</i>	Ca_Kabuli_Chr07	3672236	(G/A)
11857	CakSNP11857	<i>Kabuli</i>	Ca_Kabuli_Chr07	3734030	(T/A)
11858	CakSNP11858	<i>Kabuli</i>	Ca_Kabuli_Chr07	3738769	(T/C)
11859	CakSNP11859	<i>Kabuli</i>	Ca_Kabuli_Chr07	3754778	(G/A)
11860	CakSNP11860	<i>Kabuli</i>	Ca_Kabuli_Chr07	3754743	(G/C)
11861	CakSNP11861	<i>Kabuli</i>	Ca_Kabuli_Chr07	3795825	(T/C)
11862	CakSNP11862	<i>Kabuli</i>	Ca_Kabuli_Chr07	3795798	(G/A)
11863	CakSNP11863	<i>Kabuli</i>	Ca_Kabuli_Chr07	3795776	(C/A)
11864	CakSNP11864	<i>Kabuli</i>	Ca_Kabuli_Chr07	3796826	(A/G)
11865	CakSNP11865	<i>Kabuli</i>	Ca_Kabuli_Chr07	3796894	(A/G)
11866	CakSNP11866	<i>Kabuli</i>	Ca_Kabuli_Chr07	3802188	(T/A)
11867	CakSNP11867	<i>Kabuli</i>	Ca_Kabuli_Chr07	3814791	(A/G)
11868	CakSNP11868	<i>Kabuli</i>	Ca_Kabuli_Chr07	3817087	(C/T)
11869	CakSNP11869	<i>Kabuli</i>	Ca_Kabuli_Chr07	3817733	(T/G)
11870	CakSNP11870	<i>Kabuli</i>	Ca_Kabuli_Chr07	3817740	(G/T)
11871	CakSNP11871	<i>Kabuli</i>	Ca_Kabuli_Chr07	3829115	(C/T)
11872	CakSNP11872	<i>Kabuli</i>	Ca_Kabuli_Chr07	3843168	(A/T)
11873	CakSNP11873	<i>Kabuli</i>	Ca_Kabuli_Chr07	3845953	(A/C)
11874	CakSNP11874	<i>Kabuli</i>	Ca_Kabuli_Chr07	3845958	(G/A)
11875	CakSNP11875	<i>Kabuli</i>	Ca_Kabuli_Chr07	3845996	(G/A)
11876	CakSNP11876	<i>Kabuli</i>	Ca_Kabuli_Chr07	3856308	(C/T)
11877	CakSNP11877	<i>Kabuli</i>	Ca_Kabuli_Chr07	3859451	(G/A)
11878	CakSNP11878	<i>Kabuli</i>	Ca_Kabuli_Chr07	3916849	(A/C)
11879	CakSNP11879	<i>Kabuli</i>	Ca_Kabuli_Chr07	3924920	(T/C)
11880	CakSNP11880	<i>Kabuli</i>	Ca_Kabuli_Chr07	3946712	(G/A)
11881	CakSNP11881	<i>Kabuli</i>	Ca_Kabuli_Chr07	3982635	(T/G)
11882	CakSNP11882	<i>Kabuli</i>	Ca_Kabuli_Chr07	3982622	(G/A)
11883	CakSNP11883	<i>Kabuli</i>	Ca_Kabuli_Chr07	4017780	(C/T)
11884	CakSNP11884	<i>Kabuli</i>	Ca_Kabuli_Chr07	4017851	(T/C)
11885	CakSNP11885	<i>Kabuli</i>	Ca_Kabuli_Chr07	4039347	(C/A)
11886	CakSNP11886	<i>Kabuli</i>	Ca_Kabuli_Chr07	4039300	(T/C)
11887	CakSNP11887	<i>Kabuli</i>	Ca_Kabuli_Chr07	4039290	(A/G)
11888	CakSNP11888	<i>Kabuli</i>	Ca_Kabuli_Chr07	4042123	(T/G)
11889	CakSNP11889	<i>Kabuli</i>	Ca_Kabuli_Chr07	4095293	(A/G)
11890	CakSNP11890	<i>Kabuli</i>	Ca_Kabuli_Chr07	4168933	(G/T)
11891	CakSNP11891	<i>Kabuli</i>	Ca_Kabuli_Chr07	4194809	(T/A)
11892	CakSNP11892	<i>Kabuli</i>	Ca_Kabuli_Chr07	4194890	(C/A)
11893	CakSNP11893	<i>Kabuli</i>	Ca_Kabuli_Chr07	4194891	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11894	CakSNP11894	<i>Kabuli</i>	Ca_Kabuli_Chr07	4198812	(A/C)
11895	CakSNP11895	<i>Kabuli</i>	Ca_Kabuli_Chr07	4209425	(C/T)
11896	CakSNP11896	<i>Kabuli</i>	Ca_Kabuli_Chr07	4209465	(A/C)
11897	CakSNP11897	<i>Kabuli</i>	Ca_Kabuli_Chr07	4225314	(T/C)
11898	CakSNP11898	<i>Kabuli</i>	Ca_Kabuli_Chr07	4256529	(G/A)
11899	CakSNP11899	<i>Kabuli</i>	Ca_Kabuli_Chr07	4256703	(C/G)
11900	CakSNP11900	<i>Kabuli</i>	Ca_Kabuli_Chr07	4257726	(A/T)
11901	CakSNP11901	<i>Kabuli</i>	Ca_Kabuli_Chr07	4257727	(T/A)
11902	CakSNP11902	<i>Kabuli</i>	Ca_Kabuli_Chr07	4257838	(C/T)
11903	CakSNP11903	<i>Kabuli</i>	Ca_Kabuli_Chr07	4257830	(G/T)
11904	CakSNP11904	<i>Kabuli</i>	Ca_Kabuli_Chr07	4257799	(G/A)
11905	CakSNP11905	<i>Kabuli</i>	Ca_Kabuli_Chr07	4289975	(G/A)
11906	CakSNP11906	<i>Kabuli</i>	Ca_Kabuli_Chr07	4300525	(C/T)
11907	CakSNP11907	<i>Kabuli</i>	Ca_Kabuli_Chr07	4300650	(T/C)
11908	CakSNP11908	<i>Kabuli</i>	Ca_Kabuli_Chr07	4300645	(C/T)
11909	CakSNP11909	<i>Kabuli</i>	Ca_Kabuli_Chr07	4300592	(G/A)
11910	CakSNP11910	<i>Kabuli</i>	Ca_Kabuli_Chr07	4300584	(C/T)
11911	CakSNP11911	<i>Kabuli</i>	Ca_Kabuli_Chr07	4305424	(G/T)
11912	CakSNP11912	<i>Kabuli</i>	Ca_Kabuli_Chr07	4431138	(A/G)
11913	CakSNP11913	<i>Kabuli</i>	Ca_Kabuli_Chr07	4431253	(T/C)
11914	CakSNP11914	<i>Kabuli</i>	Ca_Kabuli_Chr07	4438929	(A/G)
11915	CakSNP11915	<i>Kabuli</i>	Ca_Kabuli_Chr07	4455045	(T/C)
11916	CakSNP11916	<i>Kabuli</i>	Ca_Kabuli_Chr07	4461990	(A/C)
11917	CakSNP11917	<i>Kabuli</i>	Ca_Kabuli_Chr07	4470285	(C/G)
11918	CakSNP11918	<i>Kabuli</i>	Ca_Kabuli_Chr07	4490514	(G/A)
11919	CakSNP11919	<i>Kabuli</i>	Ca_Kabuli_Chr07	4490964	(G/T)
11920	CakSNP11920	<i>Kabuli</i>	Ca_Kabuli_Chr07	4490966	(A/G)
11921	CakSNP11921	<i>Kabuli</i>	Ca_Kabuli_Chr07	4497784	(C/T)
11922	CakSNP11922	<i>Kabuli</i>	Ca_Kabuli_Chr07	4520606	(T/C)
11923	CakSNP11923	<i>Kabuli</i>	Ca_Kabuli_Chr07	4525645	(A/G)
11924	CakSNP11924	<i>Kabuli</i>	Ca_Kabuli_Chr07	4552790	(T/C)
11925	CakSNP11925	<i>Kabuli</i>	Ca_Kabuli_Chr07	4573236	(G/A)
11926	CakSNP11926	<i>Kabuli</i>	Ca_Kabuli_Chr07	4625723	(C/T)
11927	CakSNP11927	<i>Kabuli</i>	Ca_Kabuli_Chr07	4648569	(A/C)
11928	CakSNP11928	<i>Kabuli</i>	Ca_Kabuli_Chr07	4648697	(T/A)
11929	CakSNP11929	<i>Kabuli</i>	Ca_Kabuli_Chr07	4648677	(A/T)
11930	CakSNP11930	<i>Kabuli</i>	Ca_Kabuli_Chr07	4648662	(G/A)
11931	CakSNP11931	<i>Kabuli</i>	Ca_Kabuli_Chr07	4649287	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11932	CakSNP11932	<i>Kabuli</i>	Ca_Kabuli_Chr07	4651931	(T/C)
11933	CakSNP11933	<i>Kabuli</i>	Ca_Kabuli_Chr07	4652083	(G/A)
11934	CakSNP11934	<i>Kabuli</i>	Ca_Kabuli_Chr07	4653235	(A/C)
11935	CakSNP11935	<i>Kabuli</i>	Ca_Kabuli_Chr07	4700570	(C/A)
11936	CakSNP11936	<i>Kabuli</i>	Ca_Kabuli_Chr07	4749212	(T/G)
11937	CakSNP11937	<i>Kabuli</i>	Ca_Kabuli_Chr07	4752954	(G/C)
11938	CakSNP11938	<i>Kabuli</i>	Ca_Kabuli_Chr07	4752887	(T/G)
11939	CakSNP11939	<i>Kabuli</i>	Ca_Kabuli_Chr07	4756338	(G/A)
11940	CakSNP11940	<i>Kabuli</i>	Ca_Kabuli_Chr07	4832993	(A/G)
11941	CakSNP11941	<i>Kabuli</i>	Ca_Kabuli_Chr07	4834177	(G/T)
11942	CakSNP11942	<i>Kabuli</i>	Ca_Kabuli_Chr07	4849553	(T/G)
11943	CakSNP11943	<i>Kabuli</i>	Ca_Kabuli_Chr07	4849573	(T/C)
11944	CakSNP11944	<i>Kabuli</i>	Ca_Kabuli_Chr07	4907315	(C/T)
11945	CakSNP11945	<i>Kabuli</i>	Ca_Kabuli_Chr07	4926759	(A/T)
11946	CakSNP11946	<i>Kabuli</i>	Ca_Kabuli_Chr07	4942847	(A/G)
11947	CakSNP11947	<i>Kabuli</i>	Ca_Kabuli_Chr07	4942902	(G/C)
11948	CakSNP11948	<i>Kabuli</i>	Ca_Kabuli_Chr07	4945935	(C/G)
11949	CakSNP11949	<i>Kabuli</i>	Ca_Kabuli_Chr07	4981846	(T/C)
11950	CakSNP11950	<i>Kabuli</i>	Ca_Kabuli_Chr07	5122536	(T/G)
11951	CakSNP11951	<i>Kabuli</i>	Ca_Kabuli_Chr07	5251897	(G/C)
11952	CakSNP11952	<i>Kabuli</i>	Ca_Kabuli_Chr07	5361558	(T/C)
11953	CakSNP11953	<i>Kabuli</i>	Ca_Kabuli_Chr07	5383564	(G/C)
11954	CakSNP11954	<i>Kabuli</i>	Ca_Kabuli_Chr07	5383566	(A/T)
11955	CakSNP11955	<i>Kabuli</i>	Ca_Kabuli_Chr07	5383671	(G/T)
11956	CakSNP11956	<i>Kabuli</i>	Ca_Kabuli_Chr07	5383695	(T/G)
11957	CakSNP11957	<i>Kabuli</i>	Ca_Kabuli_Chr07	5383767	(G/A)
11958	CakSNP11958	<i>Kabuli</i>	Ca_Kabuli_Chr07	5384447	(G/C)
11959	CakSNP11959	<i>Kabuli</i>	Ca_Kabuli_Chr07	5384467	(C/T)
11960	CakSNP11960	<i>Kabuli</i>	Ca_Kabuli_Chr07	5406524	(T/G)
11961	CakSNP11961	<i>Kabuli</i>	Ca_Kabuli_Chr07	5416862	(C/G)
11962	CakSNP11962	<i>Kabuli</i>	Ca_Kabuli_Chr07	5416865	(A/G)
11963	CakSNP11963	<i>Kabuli</i>	Ca_Kabuli_Chr07	5416874	(C/T)
11964	CakSNP11964	<i>Kabuli</i>	Ca_Kabuli_Chr07	5464941	(G/A)
11965	CakSNP11965	<i>Kabuli</i>	Ca_Kabuli_Chr07	5464942	(A/G)
11966	CakSNP11966	<i>Kabuli</i>	Ca_Kabuli_Chr07	5467744	(G/C)
11967	CakSNP11967	<i>Kabuli</i>	Ca_Kabuli_Chr07	5500318	(C/A)
11968	CakSNP11968	<i>Kabuli</i>	Ca_Kabuli_Chr07	5508162	(A/C)
11969	CakSNP11969	<i>Kabuli</i>	Ca_Kabuli_Chr07	5520720	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11970	CakSNP11970	<i>Kabuli</i>	Ca_Kabuli_Chr07	5520934	(T/C)
11971	CakSNP11971	<i>Kabuli</i>	Ca_Kabuli_Chr07	5521596	(T/C)
11972	CakSNP11972	<i>Kabuli</i>	Ca_Kabuli_Chr07	5521659	(G/T)
11973	CakSNP11973	<i>Kabuli</i>	Ca_Kabuli_Chr07	5529577	(T/G)
11974	CakSNP11974	<i>Kabuli</i>	Ca_Kabuli_Chr07	5529729	(A/G)
11975	CakSNP11975	<i>Kabuli</i>	Ca_Kabuli_Chr07	5529888	(A/G)
11976	CakSNP11976	<i>Kabuli</i>	Ca_Kabuli_Chr07	5529844	(C/A)
11977	CakSNP11977	<i>Kabuli</i>	Ca_Kabuli_Chr07	5537851	(G/C)
11978	CakSNP11978	<i>Kabuli</i>	Ca_Kabuli_Chr07	5537880	(G/T)
11979	CakSNP11979	<i>Kabuli</i>	Ca_Kabuli_Chr07	5561607	(G/T)
11980	CakSNP11980	<i>Kabuli</i>	Ca_Kabuli_Chr07	5568114	(C/A)
11981	CakSNP11981	<i>Kabuli</i>	Ca_Kabuli_Chr07	5577467	(G/T)
11982	CakSNP11982	<i>Kabuli</i>	Ca_Kabuli_Chr07	5577439	(A/G)
11983	CakSNP11983	<i>Kabuli</i>	Ca_Kabuli_Chr07	5581968	(G/C)
11984	CakSNP11984	<i>Kabuli</i>	Ca_Kabuli_Chr07	5602106	(T/C)
11985	CakSNP11985	<i>Kabuli</i>	Ca_Kabuli_Chr07	5602144	(G/T)
11986	CakSNP11986	<i>Kabuli</i>	Ca_Kabuli_Chr07	5605118	(G/A)
11987	CakSNP11987	<i>Kabuli</i>	Ca_Kabuli_Chr07	5605106	(G/A)
11988	CakSNP11988	<i>Kabuli</i>	Ca_Kabuli_Chr07	5658445	(G/T)
11989	CakSNP11989	<i>Kabuli</i>	Ca_Kabuli_Chr07	5671902	(G/T)
11990	CakSNP11990	<i>Kabuli</i>	Ca_Kabuli_Chr07	5672009	(G/C)
11991	CakSNP11991	<i>Kabuli</i>	Ca_Kabuli_Chr07	5672156	(T/C)
11992	CakSNP11992	<i>Kabuli</i>	Ca_Kabuli_Chr07	5683412	(T/A)
11993	CakSNP11993	<i>Kabuli</i>	Ca_Kabuli_Chr07	5713977	(T/C)
11994	CakSNP11994	<i>Kabuli</i>	Ca_Kabuli_Chr07	5735293	(T/A)
11995	CakSNP11995	<i>Kabuli</i>	Ca_Kabuli_Chr07	5735448	(A/T)
11996	CakSNP11996	<i>Kabuli</i>	Ca_Kabuli_Chr07	5737341	(C/T)
11997	CakSNP11997	<i>Kabuli</i>	Ca_Kabuli_Chr07	5737305	(G/A)
11998	CakSNP11998	<i>Kabuli</i>	Ca_Kabuli_Chr07	5756269	(C/T)
11999	CakSNP11999	<i>Kabuli</i>	Ca_Kabuli_Chr07	5756832	(A/C)
12000	CakSNP12000	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774218	(T/A)
12001	CakSNP12001	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774219	(T/A)
12002	CakSNP12002	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774220	(A/T)
12003	CakSNP12003	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774221	(A/T)
12004	CakSNP12004	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774230	(G/A)
12005	CakSNP12005	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774257	(C/T)
12006	CakSNP12006	<i>Kabuli</i>	Ca_Kabuli_Chr07	5774310	(A/G)
12007	CakSNP12007	<i>Kabuli</i>	Ca_Kabuli_Chr07	5811097	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12008	CakSNP12008	<i>Kabuli</i>	Ca_Kabuli_Chr07	5811060	(T/C)
12009	CakSNP12009	<i>Kabuli</i>	Ca_Kabuli_Chr07	5811044	(T/A)
12010	CakSNP12010	<i>Kabuli</i>	Ca_Kabuli_Chr07	5836421	(A/T)
12011	CakSNP12011	<i>Kabuli</i>	Ca_Kabuli_Chr07	5846477	(A/G)
12012	CakSNP12012	<i>Kabuli</i>	Ca_Kabuli_Chr07	5849936	(C/T)
12013	CakSNP12013	<i>Kabuli</i>	Ca_Kabuli_Chr07	5849904	(C/A)
12014	CakSNP12014	<i>Kabuli</i>	Ca_Kabuli_Chr07	5850058	(T/C)
12015	CakSNP12015	<i>Kabuli</i>	Ca_Kabuli_Chr07	5854598	(C/T)
12016	CakSNP12016	<i>Kabuli</i>	Ca_Kabuli_Chr07	5929009	(C/G)
12017	CakSNP12017	<i>Kabuli</i>	Ca_Kabuli_Chr07	5946113	(G/A)
12018	CakSNP12018	<i>Kabuli</i>	Ca_Kabuli_Chr07	5950352	(T/A)
12019	CakSNP12019	<i>Kabuli</i>	Ca_Kabuli_Chr07	5950492	(T/C)
12020	CakSNP12020	<i>Kabuli</i>	Ca_Kabuli_Chr07	5957696	(T/C)
12021	CakSNP12021	<i>Kabuli</i>	Ca_Kabuli_Chr07	5963611	(C/G)
12022	CakSNP12022	<i>Kabuli</i>	Ca_Kabuli_Chr07	5963609	(C/A)
12023	CakSNP12023	<i>Kabuli</i>	Ca_Kabuli_Chr07	6012561	(A/C)
12024	CakSNP12024	<i>Kabuli</i>	Ca_Kabuli_Chr07	6012611	(A/C)
12025	CakSNP12025	<i>Kabuli</i>	Ca_Kabuli_Chr07	6029991	(G/A)
12026	CakSNP12026	<i>Kabuli</i>	Ca_Kabuli_Chr07	6029990	(C/G)
12027	CakSNP12027	<i>Kabuli</i>	Ca_Kabuli_Chr07	6066322	(G/A)
12028	CakSNP12028	<i>Kabuli</i>	Ca_Kabuli_Chr07	6074408	(T/A)
12029	CakSNP12029	<i>Kabuli</i>	Ca_Kabuli_Chr07	6075124	(T/G)
12030	CakSNP12030	<i>Kabuli</i>	Ca_Kabuli_Chr07	6075218	(C/G)
12031	CakSNP12031	<i>Kabuli</i>	Ca_Kabuli_Chr07	6096238	(C/A)
12032	CakSNP12032	<i>Kabuli</i>	Ca_Kabuli_Chr07	6096237	(C/G)
12033	CakSNP12033	<i>Kabuli</i>	Ca_Kabuli_Chr07	6110019	(T/C)
12034	CakSNP12034	<i>Kabuli</i>	Ca_Kabuli_Chr07	6132021	(G/A)
12035	CakSNP12035	<i>Kabuli</i>	Ca_Kabuli_Chr07	6232777	(T/C)
12036	CakSNP12036	<i>Kabuli</i>	Ca_Kabuli_Chr07	6282979	(C/A)
12037	CakSNP12037	<i>Kabuli</i>	Ca_Kabuli_Chr07	6282974	(T/A)
12038	CakSNP12038	<i>Kabuli</i>	Ca_Kabuli_Chr07	6282949	(T/A)
12039	CakSNP12039	<i>Kabuli</i>	Ca_Kabuli_Chr07	6299248	(A/G)
12040	CakSNP12040	<i>Kabuli</i>	Ca_Kabuli_Chr07	6299249	(C/G)
12041	CakSNP12041	<i>Kabuli</i>	Ca_Kabuli_Chr07	6330237	(A/T)
12042	CakSNP12042	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340051	(A/G)
12043	CakSNP12043	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340064	(C/G)
12044	CakSNP12044	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340111	(C/G)
12045	CakSNP12045	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340113	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12046	CakSNP12046	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340167	(T/A)
12047	CakSNP12047	<i>Kabuli</i>	Ca_Kabuli_Chr07	6340216	(T/C)
12048	CakSNP12048	<i>Kabuli</i>	Ca_Kabuli_Chr07	6372037	(A/G)
12049	CakSNP12049	<i>Kabuli</i>	Ca_Kabuli_Chr07	6393366	(G/A)
12050	CakSNP12050	<i>Kabuli</i>	Ca_Kabuli_Chr07	6430396	(T/A)
12051	CakSNP12051	<i>Kabuli</i>	Ca_Kabuli_Chr07	6433480	(C/G)
12052	CakSNP12052	<i>Kabuli</i>	Ca_Kabuli_Chr07	6467903	(C/T)
12053	CakSNP12053	<i>Kabuli</i>	Ca_Kabuli_Chr07	6540624	(A/G)
12054	CakSNP12054	<i>Kabuli</i>	Ca_Kabuli_Chr07	6540602	(G/A)
12055	CakSNP12055	<i>Kabuli</i>	Ca_Kabuli_Chr07	6540601	(G/C)
12056	CakSNP12056	<i>Kabuli</i>	Ca_Kabuli_Chr07	6566322	(T/C)
12057	CakSNP12057	<i>Kabuli</i>	Ca_Kabuli_Chr07	6654718	(C/T)
12058	CakSNP12058	<i>Kabuli</i>	Ca_Kabuli_Chr07	6681050	(C/T)
12059	CakSNP12059	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682456	(T/A)
12060	CakSNP12060	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682454	(A/G)
12061	CakSNP12061	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682453	(G/T)
12062	CakSNP12062	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682448	(T/C)
12063	CakSNP12063	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682443	(C/T)
12064	CakSNP12064	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682439	(T/A)
12065	CakSNP12065	<i>Kabuli</i>	Ca_Kabuli_Chr07	6682455	(G/T)
12066	CakSNP12066	<i>Kabuli</i>	Ca_Kabuli_Chr07	6703759	(C/T)
12067	CakSNP12067	<i>Kabuli</i>	Ca_Kabuli_Chr07	6703849	(G/T)
12068	CakSNP12068	<i>Kabuli</i>	Ca_Kabuli_Chr07	6767204	(G/T)
12069	CakSNP12069	<i>Kabuli</i>	Ca_Kabuli_Chr07	6769694	(T/G)
12070	CakSNP12070	<i>Kabuli</i>	Ca_Kabuli_Chr07	6792352	(T/C)
12071	CakSNP12071	<i>Kabuli</i>	Ca_Kabuli_Chr07	6792606	(T/G)
12072	CakSNP12072	<i>Kabuli</i>	Ca_Kabuli_Chr07	6807817	(A/C)
12073	CakSNP12073	<i>Kabuli</i>	Ca_Kabuli_Chr07	6814954	(G/T)
12074	CakSNP12074	<i>Kabuli</i>	Ca_Kabuli_Chr07	6815151	(G/T)
12075	CakSNP12075	<i>Kabuli</i>	Ca_Kabuli_Chr07	6815113	(T/C)
12076	CakSNP12076	<i>Kabuli</i>	Ca_Kabuli_Chr07	6859511	(C/G)
12077	CakSNP12077	<i>Kabuli</i>	Ca_Kabuli_Chr07	6904686	(G/C)
12078	CakSNP12078	<i>Kabuli</i>	Ca_Kabuli_Chr07	7026448	(C/T)
12079	CakSNP12079	<i>Kabuli</i>	Ca_Kabuli_Chr07	7026516	(T/C)
12080	CakSNP12080	<i>Kabuli</i>	Ca_Kabuli_Chr07	7026500	(T/A)
12081	CakSNP12081	<i>Kabuli</i>	Ca_Kabuli_Chr07	7072853	(G/A)
12082	CakSNP12082	<i>Kabuli</i>	Ca_Kabuli_Chr07	7126974	(T/C)
12083	CakSNP12083	<i>Kabuli</i>	Ca_Kabuli_Chr07	7126979	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12084	CakSNP12084	<i>Kabuli</i>	Ca_Kabuli_Chr07	7127030	(G/A)
12085	CakSNP12085	<i>Kabuli</i>	Ca_Kabuli_Chr07	7146159	(C/G)
12086	CakSNP12086	<i>Kabuli</i>	Ca_Kabuli_Chr07	7147557	(A/G)
12087	CakSNP12087	<i>Kabuli</i>	Ca_Kabuli_Chr07	7234422	(T/G)
12088	CakSNP12088	<i>Kabuli</i>	Ca_Kabuli_Chr07	7234507	(T/C)
12089	CakSNP12089	<i>Kabuli</i>	Ca_Kabuli_Chr07	7234484	(G/A)
12090	CakSNP12090	<i>Kabuli</i>	Ca_Kabuli_Chr07	7234430	(C/T)
12091	CakSNP12091	<i>Kabuli</i>	Ca_Kabuli_Chr07	7261971	(C/T)
12092	CakSNP12092	<i>Kabuli</i>	Ca_Kabuli_Chr07	7261941	(T/C)
12093	CakSNP12093	<i>Kabuli</i>	Ca_Kabuli_Chr07	7265386	(T/A)
12094	CakSNP12094	<i>Kabuli</i>	Ca_Kabuli_Chr07	7277353	(G/A)
12095	CakSNP12095	<i>Kabuli</i>	Ca_Kabuli_Chr07	7304614	(T/G)
12096	CakSNP12096	<i>Kabuli</i>	Ca_Kabuli_Chr07	7304617	(T/G)
12097	CakSNP12097	<i>Kabuli</i>	Ca_Kabuli_Chr07	7423419	(G/A)
12098	CakSNP12098	<i>Kabuli</i>	Ca_Kabuli_Chr07	7433827	(A/T)
12099	CakSNP12099	<i>Kabuli</i>	Ca_Kabuli_Chr07	7449489	(T/C)
12100	CakSNP12100	<i>Kabuli</i>	Ca_Kabuli_Chr07	7451931	(G/C)
12101	CakSNP12101	<i>Kabuli</i>	Ca_Kabuli_Chr07	7491960	(G/A)
12102	CakSNP12102	<i>Kabuli</i>	Ca_Kabuli_Chr07	7498598	(C/T)
12103	CakSNP12103	<i>Kabuli</i>	Ca_Kabuli_Chr07	7544142	(A/G)
12104	CakSNP12104	<i>Kabuli</i>	Ca_Kabuli_Chr07	7573889	(C/G)
12105	CakSNP12105	<i>Kabuli</i>	Ca_Kabuli_Chr07	7576668	(A/C)
12106	CakSNP12106	<i>Kabuli</i>	Ca_Kabuli_Chr07	7580158	(T/C)
12107	CakSNP12107	<i>Kabuli</i>	Ca_Kabuli_Chr07	7580147	(C/A)
12108	CakSNP12108	<i>Kabuli</i>	Ca_Kabuli_Chr07	7580118	(G/A)
12109	CakSNP12109	<i>Kabuli</i>	Ca_Kabuli_Chr07	7612046	(A/T)
12110	CakSNP12110	<i>Kabuli</i>	Ca_Kabuli_Chr07	7624697	(G/A)
12111	CakSNP12111	<i>Kabuli</i>	Ca_Kabuli_Chr07	7625226	(G/T)
12112	CakSNP12112	<i>Kabuli</i>	Ca_Kabuli_Chr07	7625277	(A/T)
12113	CakSNP12113	<i>Kabuli</i>	Ca_Kabuli_Chr07	7625901	(A/C)
12114	CakSNP12114	<i>Kabuli</i>	Ca_Kabuli_Chr07	7625943	(C/G)
12115	CakSNP12115	<i>Kabuli</i>	Ca_Kabuli_Chr07	7663564	(A/G)
12116	CakSNP12116	<i>Kabuli</i>	Ca_Kabuli_Chr07	7706816	(A/G)
12117	CakSNP12117	<i>Kabuli</i>	Ca_Kabuli_Chr07	7756455	(C/T)
12118	CakSNP12118	<i>Kabuli</i>	Ca_Kabuli_Chr07	7756482	(G/A)
12119	CakSNP12119	<i>Kabuli</i>	Ca_Kabuli_Chr07	7756566	(G/A)
12120	CakSNP12120	<i>Kabuli</i>	Ca_Kabuli_Chr07	7809179	(T/G)
12121	CakSNP12121	<i>Kabuli</i>	Ca_Kabuli_Chr07	7809192	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12122	CakSNP12122	<i>Kabuli</i>	Ca_Kabuli_Chr07	7875189	(C/A)
12123	CakSNP12123	<i>Kabuli</i>	Ca_Kabuli_Chr07	7876554	(G/A)
12124	CakSNP12124	<i>Kabuli</i>	Ca_Kabuli_Chr07	7876561	(C/T)
12125	CakSNP12125	<i>Kabuli</i>	Ca_Kabuli_Chr07	7876570	(C/A)
12126	CakSNP12126	<i>Kabuli</i>	Ca_Kabuli_Chr07	7928398	(C/T)
12127	CakSNP12127	<i>Kabuli</i>	Ca_Kabuli_Chr07	7982650	(G/T)
12128	CakSNP12128	<i>Kabuli</i>	Ca_Kabuli_Chr07	7982871	(T/C)
12129	CakSNP12129	<i>Kabuli</i>	Ca_Kabuli_Chr07	7982890	(T/A)
12130	CakSNP12130	<i>Kabuli</i>	Ca_Kabuli_Chr07	7983519	(C/T)
12131	CakSNP12131	<i>Kabuli</i>	Ca_Kabuli_Chr07	8041465	(T/G)
12132	CakSNP12132	<i>Kabuli</i>	Ca_Kabuli_Chr07	8054489	(G/A)
12133	CakSNP12133	<i>Kabuli</i>	Ca_Kabuli_Chr07	8061808	(A/G)
12134	CakSNP12134	<i>Kabuli</i>	Ca_Kabuli_Chr07	8111735	(T/C)
12135	CakSNP12135	<i>Kabuli</i>	Ca_Kabuli_Chr07	8111754	(A/C)
12136	CakSNP12136	<i>Kabuli</i>	Ca_Kabuli_Chr07	8111759	(G/T)
12137	CakSNP12137	<i>Kabuli</i>	Ca_Kabuli_Chr07	8169857	(A/G)
12138	CakSNP12138	<i>Kabuli</i>	Ca_Kabuli_Chr07	8169866	(A/G)
12139	CakSNP12139	<i>Kabuli</i>	Ca_Kabuli_Chr07	8169960	(A/T)
12140	CakSNP12140	<i>Kabuli</i>	Ca_Kabuli_Chr07	8169947	(T/C)
12141	CakSNP12141	<i>Kabuli</i>	Ca_Kabuli_Chr07	8187181	(G/A)
12142	CakSNP12142	<i>Kabuli</i>	Ca_Kabuli_Chr07	8188004	(C/G)
12143	CakSNP12143	<i>Kabuli</i>	Ca_Kabuli_Chr07	8210963	(G/A)
12144	CakSNP12144	<i>Kabuli</i>	Ca_Kabuli_Chr07	8261062	(C/A)
12145	CakSNP12145	<i>Kabuli</i>	Ca_Kabuli_Chr07	8286115	(A/T)
12146	CakSNP12146	<i>Kabuli</i>	Ca_Kabuli_Chr07	8515092	(C/T)
12147	CakSNP12147	<i>Kabuli</i>	Ca_Kabuli_Chr07	8535189	(C/T)
12148	CakSNP12148	<i>Kabuli</i>	Ca_Kabuli_Chr07	8553114	(C/T)
12149	CakSNP12149	<i>Kabuli</i>	Ca_Kabuli_Chr07	8569632	(A/G)
12150	CakSNP12150	<i>Kabuli</i>	Ca_Kabuli_Chr07	8583890	(T/C)
12151	CakSNP12151	<i>Kabuli</i>	Ca_Kabuli_Chr07	8609831	(A/T)
12152	CakSNP12152	<i>Kabuli</i>	Ca_Kabuli_Chr07	8626840	(A/C)
12153	CakSNP12153	<i>Kabuli</i>	Ca_Kabuli_Chr07	8626875	(A/T)
12154	CakSNP12154	<i>Kabuli</i>	Ca_Kabuli_Chr07	8626916	(T/C)
12155	CakSNP12155	<i>Kabuli</i>	Ca_Kabuli_Chr07	8741098	(T/C)
12156	CakSNP12156	<i>Kabuli</i>	Ca_Kabuli_Chr07	8777670	(A/G)
12157	CakSNP12157	<i>Kabuli</i>	Ca_Kabuli_Chr07	8777673	(A/G)
12158	CakSNP12158	<i>Kabuli</i>	Ca_Kabuli_Chr07	8777690	(G/A)
12159	CakSNP12159	<i>Kabuli</i>	Ca_Kabuli_Chr07	8824586	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12160	CakSNP12160	<i>Kabuli</i>	Ca_Kabuli_Chr07	8824591	(C/T)
12161	CakSNP12161	<i>Kabuli</i>	Ca_Kabuli_Chr07	8830772	(A/C)
12162	CakSNP12162	<i>Kabuli</i>	Ca_Kabuli_Chr07	8830985	(A/G)
12163	CakSNP12163	<i>Kabuli</i>	Ca_Kabuli_Chr07	8831024	(C/T)
12164	CakSNP12164	<i>Kabuli</i>	Ca_Kabuli_Chr07	8831096	(G/A)
12165	CakSNP12165	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835601	(G/A)
12166	CakSNP12166	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835602	(A/G)
12167	CakSNP12167	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835610	(G/A)
12168	CakSNP12168	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835659	(G/T)
12169	CakSNP12169	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835757	(T/C)
12170	CakSNP12170	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835718	(T/G)
12171	CakSNP12171	<i>Kabuli</i>	Ca_Kabuli_Chr07	8835705	(T/A)
12172	CakSNP12172	<i>Kabuli</i>	Ca_Kabuli_Chr07	8844902	(C/T)
12173	CakSNP12173	<i>Kabuli</i>	Ca_Kabuli_Chr07	8894362	(A/T)
12174	CakSNP12174	<i>Kabuli</i>	Ca_Kabuli_Chr07	8895087	(T/C)
12175	CakSNP12175	<i>Kabuli</i>	Ca_Kabuli_Chr07	8913092	(C/G)
12176	CakSNP12176	<i>Kabuli</i>	Ca_Kabuli_Chr07	8937391	(A/G)
12177	CakSNP12177	<i>Kabuli</i>	Ca_Kabuli_Chr07	8970387	(A/G)
12178	CakSNP12178	<i>Kabuli</i>	Ca_Kabuli_Chr07	9128044	(A/G)
12179	CakSNP12179	<i>Kabuli</i>	Ca_Kabuli_Chr07	9128050	(C/A)
12180	CakSNP12180	<i>Kabuli</i>	Ca_Kabuli_Chr07	9147367	(A/T)
12181	CakSNP12181	<i>Kabuli</i>	Ca_Kabuli_Chr07	9147366	(T/G)
12182	CakSNP12182	<i>Kabuli</i>	Ca_Kabuli_Chr07	9147502	(C/T)
12183	CakSNP12183	<i>Kabuli</i>	Ca_Kabuli_Chr07	9151709	(T/G)
12184	CakSNP12184	<i>Kabuli</i>	Ca_Kabuli_Chr07	9151755	(C/T)
12185	CakSNP12185	<i>Kabuli</i>	Ca_Kabuli_Chr07	9153104	(C/A)
12186	CakSNP12186	<i>Kabuli</i>	Ca_Kabuli_Chr07	9153062	(G/A)
12187	CakSNP12187	<i>Kabuli</i>	Ca_Kabuli_Chr07	9214457	(T/A)
12188	CakSNP12188	<i>Kabuli</i>	Ca_Kabuli_Chr07	9214422	(C/T)
12189	CakSNP12189	<i>Kabuli</i>	Ca_Kabuli_Chr07	9301825	(G/C)
12190	CakSNP12190	<i>Kabuli</i>	Ca_Kabuli_Chr07	9301881	(C/T)
12191	CakSNP12191	<i>Kabuli</i>	Ca_Kabuli_Chr07	9327709	(C/T)
12192	CakSNP12192	<i>Kabuli</i>	Ca_Kabuli_Chr07	9327687	(G/A)
12193	CakSNP12193	<i>Kabuli</i>	Ca_Kabuli_Chr07	9348281	(T/C)
12194	CakSNP12194	<i>Kabuli</i>	Ca_Kabuli_Chr07	9350506	(T/G)
12195	CakSNP12195	<i>Kabuli</i>	Ca_Kabuli_Chr07	9350535	(A/C)
12196	CakSNP12196	<i>Kabuli</i>	Ca_Kabuli_Chr07	9351783	(C/G)
12197	CakSNP12197	<i>Kabuli</i>	Ca_Kabuli_Chr07	9351863	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12198	CakSNP12198	<i>Kabuli</i>	Ca_Kabuli_Chr07	9422842	(T/C)
12199	CakSNP12199	<i>Kabuli</i>	Ca_Kabuli_Chr07	9422859	(T/C)
12200	CakSNP12200	<i>Kabuli</i>	Ca_Kabuli_Chr07	9422876	(T/C)
12201	CakSNP12201	<i>Kabuli</i>	Ca_Kabuli_Chr07	9422946	(G/C)
12202	CakSNP12202	<i>Kabuli</i>	Ca_Kabuli_Chr07	9442836	(A/C)
12203	CakSNP12203	<i>Kabuli</i>	Ca_Kabuli_Chr07	9475275	(T/G)
12204	CakSNP12204	<i>Kabuli</i>	Ca_Kabuli_Chr07	9475817	(C/A)
12205	CakSNP12205	<i>Kabuli</i>	Ca_Kabuli_Chr07	9475922	(A/G)
12206	CakSNP12206	<i>Kabuli</i>	Ca_Kabuli_Chr07	9475874	(C/T)
12207	CakSNP12207	<i>Kabuli</i>	Ca_Kabuli_Chr07	9523902	(C/T)
12208	CakSNP12208	<i>Kabuli</i>	Ca_Kabuli_Chr07	9528324	(A/G)
12209	CakSNP12209	<i>Kabuli</i>	Ca_Kabuli_Chr07	9536012	(C/T)
12210	CakSNP12210	<i>Kabuli</i>	Ca_Kabuli_Chr07	9550284	(G/C)
12211	CakSNP12211	<i>Kabuli</i>	Ca_Kabuli_Chr07	9550230	(C/T)
12212	CakSNP12212	<i>Kabuli</i>	Ca_Kabuli_Chr07	9555319	(C/G)
12213	CakSNP12213	<i>Kabuli</i>	Ca_Kabuli_Chr07	9577441	(G/A)
12214	CakSNP12214	<i>Kabuli</i>	Ca_Kabuli_Chr07	9577424	(G/C)
12215	CakSNP12215	<i>Kabuli</i>	Ca_Kabuli_Chr07	9593677	(C/T)
12216	CakSNP12216	<i>Kabuli</i>	Ca_Kabuli_Chr07	9612558	(A/C)
12217	CakSNP12217	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616335	(G/A)
12218	CakSNP12218	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616347	(C/G)
12219	CakSNP12219	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616357	(C/T)
12220	CakSNP12220	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616363	(A/C)
12221	CakSNP12221	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616367	(C/G)
12222	CakSNP12222	<i>Kabuli</i>	Ca_Kabuli_Chr07	9616378	(G/A)
12223	CakSNP12223	<i>Kabuli</i>	Ca_Kabuli_Chr07	9637456	(C/T)
12224	CakSNP12224	<i>Kabuli</i>	Ca_Kabuli_Chr07	9639993	(C/A)
12225	CakSNP12225	<i>Kabuli</i>	Ca_Kabuli_Chr07	9661050	(A/C)
12226	CakSNP12226	<i>Kabuli</i>	Ca_Kabuli_Chr07	9671210	(T/C)
12227	CakSNP12227	<i>Kabuli</i>	Ca_Kabuli_Chr07	9696620	(A/G)
12228	CakSNP12228	<i>Kabuli</i>	Ca_Kabuli_Chr07	9738801	(T/C)
12229	CakSNP12229	<i>Kabuli</i>	Ca_Kabuli_Chr07	9744436	(G/T)
12230	CakSNP12230	<i>Kabuli</i>	Ca_Kabuli_Chr07	9890779	(A/C)
12231	CakSNP12231	<i>Kabuli</i>	Ca_Kabuli_Chr07	9890777	(A/G)
12232	CakSNP12232	<i>Kabuli</i>	Ca_Kabuli_Chr07	9893688	(A/G)
12233	CakSNP12233	<i>Kabuli</i>	Ca_Kabuli_Chr07	9897698	(T/G)
12234	CakSNP12234	<i>Kabuli</i>	Ca_Kabuli_Chr07	9898718	(A/T)
12235	CakSNP12235	<i>Kabuli</i>	Ca_Kabuli_Chr07	9899348	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12236	CakSNP12236	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914751	(G/A)
12237	CakSNP12237	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914764	(G/A)
12238	CakSNP12238	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914770	(T/C)
12239	CakSNP12239	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914785	(T/C)
12240	CakSNP12240	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914794	(G/A)
12241	CakSNP12241	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914737	(C/G)
12242	CakSNP12242	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914745	(T/C)
12243	CakSNP12243	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914856	(G/A)
12244	CakSNP12244	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914845	(A/C)
12245	CakSNP12245	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914832	(C/T)
12246	CakSNP12246	<i>Kabuli</i>	Ca_Kabuli_Chr07	9914802	(T/G)
12247	CakSNP12247	<i>Kabuli</i>	Ca_Kabuli_Chr07	9932369	(A/G)
12248	CakSNP12248	<i>Kabuli</i>	Ca_Kabuli_Chr07	9936661	(C/T)
12249	CakSNP12249	<i>Kabuli</i>	Ca_Kabuli_Chr07	9936854	(A/G)
12250	CakSNP12250	<i>Kabuli</i>	Ca_Kabuli_Chr07	9938937	(T/C)
12251	CakSNP12251	<i>Kabuli</i>	Ca_Kabuli_Chr07	10050020	(A/C)
12252	CakSNP12252	<i>Kabuli</i>	Ca_Kabuli_Chr07	10049998	(T/A)
12253	CakSNP12253	<i>Kabuli</i>	Ca_Kabuli_Chr07	10049996	(A/G)
12254	CakSNP12254	<i>Kabuli</i>	Ca_Kabuli_Chr07	10089428	(T/C)
12255	CakSNP12255	<i>Kabuli</i>	Ca_Kabuli_Chr07	10089539	(T/A)
12256	CakSNP12256	<i>Kabuli</i>	Ca_Kabuli_Chr07	10106084	(C/G)
12257	CakSNP12257	<i>Kabuli</i>	Ca_Kabuli_Chr07	10106065	(A/G)
12258	CakSNP12258	<i>Kabuli</i>	Ca_Kabuli_Chr07	10106054	(G/C)
12259	CakSNP12259	<i>Kabuli</i>	Ca_Kabuli_Chr07	10137842	(A/G)
12260	CakSNP12260	<i>Kabuli</i>	Ca_Kabuli_Chr07	10137890	(A/G)
12261	CakSNP12261	<i>Kabuli</i>	Ca_Kabuli_Chr07	10181630	(G/T)
12262	CakSNP12262	<i>Kabuli</i>	Ca_Kabuli_Chr07	10208029	(T/C)
12263	CakSNP12263	<i>Kabuli</i>	Ca_Kabuli_Chr07	10216813	(G/A)
12264	CakSNP12264	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223046	(C/T)
12265	CakSNP12265	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223068	(G/T)
12266	CakSNP12266	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223069	(G/T)
12267	CakSNP12267	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223071	(T/A)
12268	CakSNP12268	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223074	(G/T)
12269	CakSNP12269	<i>Kabuli</i>	Ca_Kabuli_Chr07	10223075	(C/T)
12270	CakSNP12270	<i>Kabuli</i>	Ca_Kabuli_Chr07	10322726	(T/C)
12271	CakSNP12271	<i>Kabuli</i>	Ca_Kabuli_Chr07	10340199	(T/C)
12272	CakSNP12272	<i>Kabuli</i>	Ca_Kabuli_Chr07	10435983	(C/A)
12273	CakSNP12273	<i>Kabuli</i>	Ca_Kabuli_Chr07	10465140	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12274	CakSNP12274	<i>Kabuli</i>	Ca_Kabuli_Chr07	10480401	(A/C)
12275	CakSNP12275	<i>Kabuli</i>	Ca_Kabuli_Chr07	10480462	(A/G)
12276	CakSNP12276	<i>Kabuli</i>	Ca_Kabuli_Chr07	10484200	(G/A)
12277	CakSNP12277	<i>Kabuli</i>	Ca_Kabuli_Chr07	10484225	(C/A)
12278	CakSNP12278	<i>Kabuli</i>	Ca_Kabuli_Chr07	10484196	(C/T)
12279	CakSNP12279	<i>Kabuli</i>	Ca_Kabuli_Chr07	10485414	(C/T)
12280	CakSNP12280	<i>Kabuli</i>	Ca_Kabuli_Chr07	10521423	(G/T)
12281	CakSNP12281	<i>Kabuli</i>	Ca_Kabuli_Chr07	10521449	(C/A)
12282	CakSNP12282	<i>Kabuli</i>	Ca_Kabuli_Chr07	10614159	(G/A)
12283	CakSNP12283	<i>Kabuli</i>	Ca_Kabuli_Chr07	10658367	(A/T)
12284	CakSNP12284	<i>Kabuli</i>	Ca_Kabuli_Chr07	10658446	(G/T)
12285	CakSNP12285	<i>Kabuli</i>	Ca_Kabuli_Chr07	10688189	(T/G)
12286	CakSNP12286	<i>Kabuli</i>	Ca_Kabuli_Chr07	10688401	(A/G)
12287	CakSNP12287	<i>Kabuli</i>	Ca_Kabuli_Chr07	10688464	(G/A)
12288	CakSNP12288	<i>Kabuli</i>	Ca_Kabuli_Chr07	10688434	(T/C)
12289	CakSNP12289	<i>Kabuli</i>	Ca_Kabuli_Chr07	10688499	(T/C)
12290	CakSNP12290	<i>Kabuli</i>	Ca_Kabuli_Chr07	10703569	(A/T)
12291	CakSNP12291	<i>Kabuli</i>	Ca_Kabuli_Chr07	10703612	(A/C)
12292	CakSNP12292	<i>Kabuli</i>	Ca_Kabuli_Chr07	10703704	(G/A)
12293	CakSNP12293	<i>Kabuli</i>	Ca_Kabuli_Chr07	10703679	(T/C)
12294	CakSNP12294	<i>Kabuli</i>	Ca_Kabuli_Chr07	10712202	(T/C)
12295	CakSNP12295	<i>Kabuli</i>	Ca_Kabuli_Chr07	10712231	(G/A)
12296	CakSNP12296	<i>Kabuli</i>	Ca_Kabuli_Chr07	10758973	(A/T)
12297	CakSNP12297	<i>Kabuli</i>	Ca_Kabuli_Chr07	10759142	(T/G)
12298	CakSNP12298	<i>Kabuli</i>	Ca_Kabuli_Chr07	10775881	(C/T)
12299	CakSNP12299	<i>Kabuli</i>	Ca_Kabuli_Chr07	10775875	(A/G)
12300	CakSNP12300	<i>Kabuli</i>	Ca_Kabuli_Chr07	10775851	(C/T)
12301	CakSNP12301	<i>Kabuli</i>	Ca_Kabuli_Chr07	10775860	(A/G)
12302	CakSNP12302	<i>Kabuli</i>	Ca_Kabuli_Chr07	10780680	(C/G)
12303	CakSNP12303	<i>Kabuli</i>	Ca_Kabuli_Chr07	10780682	(G/A)
12304	CakSNP12304	<i>Kabuli</i>	Ca_Kabuli_Chr07	10780686	(T/C)
12305	CakSNP12305	<i>Kabuli</i>	Ca_Kabuli_Chr07	10797204	(T/C)
12306	CakSNP12306	<i>Kabuli</i>	Ca_Kabuli_Chr07	10812617	(G/T)
12307	CakSNP12307	<i>Kabuli</i>	Ca_Kabuli_Chr07	10816523	(T/G)
12308	CakSNP12308	<i>Kabuli</i>	Ca_Kabuli_Chr07	10816674	(C/T)
12309	CakSNP12309	<i>Kabuli</i>	Ca_Kabuli_Chr07	10816662	(T/A)
12310	CakSNP12310	<i>Kabuli</i>	Ca_Kabuli_Chr07	10859907	(G/A)
12311	CakSNP12311	<i>Kabuli</i>	Ca_Kabuli_Chr07	10859842	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12312	CakSNP12312	<i>Kabuli</i>	Ca_Kabuli_Chr07	10900910	(T/C)
12313	CakSNP12313	<i>Kabuli</i>	Ca_Kabuli_Chr07	11086047	(G/A)
12314	CakSNP12314	<i>Kabuli</i>	Ca_Kabuli_Chr07	11086071	(A/T)
12315	CakSNP12315	<i>Kabuli</i>	Ca_Kabuli_Chr07	11105847	(C/G)
12316	CakSNP12316	<i>Kabuli</i>	Ca_Kabuli_Chr07	11105961	(A/C)
12317	CakSNP12317	<i>Kabuli</i>	Ca_Kabuli_Chr07	11192667	(G/A)
12318	CakSNP12318	<i>Kabuli</i>	Ca_Kabuli_Chr07	11192712	(C/T)
12319	CakSNP12319	<i>Kabuli</i>	Ca_Kabuli_Chr07	11192703	(A/C)
12320	CakSNP12320	<i>Kabuli</i>	Ca_Kabuli_Chr07	11261924	(G/A)
12321	CakSNP12321	<i>Kabuli</i>	Ca_Kabuli_Chr07	11339511	(C/T)
12322	CakSNP12322	<i>Kabuli</i>	Ca_Kabuli_Chr07	11393795	(A/G)
12323	CakSNP12323	<i>Kabuli</i>	Ca_Kabuli_Chr07	11393986	(A/G)
12324	CakSNP12324	<i>Kabuli</i>	Ca_Kabuli_Chr07	11473766	(A/G)
12325	CakSNP12325	<i>Kabuli</i>	Ca_Kabuli_Chr07	11521694	(G/A)
12326	CakSNP12326	<i>Kabuli</i>	Ca_Kabuli_Chr07	11527428	(G/A)
12327	CakSNP12327	<i>Kabuli</i>	Ca_Kabuli_Chr07	11545846	(A/G)
12328	CakSNP12328	<i>Kabuli</i>	Ca_Kabuli_Chr07	11568963	(T/A)
12329	CakSNP12329	<i>Kabuli</i>	Ca_Kabuli_Chr07	11568945	(G/T)
12330	CakSNP12330	<i>Kabuli</i>	Ca_Kabuli_Chr07	11590987	(A/C)
12331	CakSNP12331	<i>Kabuli</i>	Ca_Kabuli_Chr07	11630509	(A/G)
12332	CakSNP12332	<i>Kabuli</i>	Ca_Kabuli_Chr07	11630511	(C/T)
12333	CakSNP12333	<i>Kabuli</i>	Ca_Kabuli_Chr07	11638885	(C/A)
12334	CakSNP12334	<i>Kabuli</i>	Ca_Kabuli_Chr07	11639117	(C/G)
12335	CakSNP12335	<i>Kabuli</i>	Ca_Kabuli_Chr07	11685818	(G/T)
12336	CakSNP12336	<i>Kabuli</i>	Ca_Kabuli_Chr07	11685899	(A/G)
12337	CakSNP12337	<i>Kabuli</i>	Ca_Kabuli_Chr07	11686238	(C/T)
12338	CakSNP12338	<i>Kabuli</i>	Ca_Kabuli_Chr07	11725655	(G/A)
12339	CakSNP12339	<i>Kabuli</i>	Ca_Kabuli_Chr07	11730926	(T/C)
12340	CakSNP12340	<i>Kabuli</i>	Ca_Kabuli_Chr07	11730946	(A/C)
12341	CakSNP12341	<i>Kabuli</i>	Ca_Kabuli_Chr07	11735177	(T/C)
12342	CakSNP12342	<i>Kabuli</i>	Ca_Kabuli_Chr07	11735381	(T/C)
12343	CakSNP12343	<i>Kabuli</i>	Ca_Kabuli_Chr07	11735368	(G/C)
12344	CakSNP12344	<i>Kabuli</i>	Ca_Kabuli_Chr07	11736006	(C/A)
12345	CakSNP12345	<i>Kabuli</i>	Ca_Kabuli_Chr07	11792042	(G/A)
12346	CakSNP12346	<i>Kabuli</i>	Ca_Kabuli_Chr07	11792126	(T/A)
12347	CakSNP12347	<i>Kabuli</i>	Ca_Kabuli_Chr07	11792136	(G/A)
12348	CakSNP12348	<i>Kabuli</i>	Ca_Kabuli_Chr07	11803091	(T/G)
12349	CakSNP12349	<i>Kabuli</i>	Ca_Kabuli_Chr07	11812410	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12350	CakSNP12350	<i>Kabuli</i>	Ca_Kabuli_Chr07	11812441	(A/C)
12351	CakSNP12351	<i>Kabuli</i>	Ca_Kabuli_Chr07	11858425	(C/T)
12352	CakSNP12352	<i>Kabuli</i>	Ca_Kabuli_Chr07	11886954	(A/G)
12353	CakSNP12353	<i>Kabuli</i>	Ca_Kabuli_Chr07	11902897	(A/G)
12354	CakSNP12354	<i>Kabuli</i>	Ca_Kabuli_Chr07	11902985	(G/T)
12355	CakSNP12355	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010432	(G/A)
12356	CakSNP12356	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010471	(C/T)
12357	CakSNP12357	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010504	(G/A)
12358	CakSNP12358	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010499	(C/T)
12359	CakSNP12359	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010496	(G/A)
12360	CakSNP12360	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010494	(G/A)
12361	CakSNP12361	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010491	(G/T)
12362	CakSNP12362	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010483	(C/T)
12363	CakSNP12363	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010457	(C/T)
12364	CakSNP12364	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010544	(G/A)
12365	CakSNP12365	<i>Kabuli</i>	Ca_Kabuli_Chr07	12010489	(C/T)
12366	CakSNP12366	<i>Kabuli</i>	Ca_Kabuli_Chr07	12030080	(A/C)
12367	CakSNP12367	<i>Kabuli</i>	Ca_Kabuli_Chr07	12071764	(T/C)
12368	CakSNP12368	<i>Kabuli</i>	Ca_Kabuli_Chr07	12071773	(A/T)
12369	CakSNP12369	<i>Kabuli</i>	Ca_Kabuli_Chr07	12203726	(T/G)
12370	CakSNP12370	<i>Kabuli</i>	Ca_Kabuli_Chr07	12203722	(T/C)
12371	CakSNP12371	<i>Kabuli</i>	Ca_Kabuli_Chr07	12203706	(T/C)
12372	CakSNP12372	<i>Kabuli</i>	Ca_Kabuli_Chr07	12203690	(C/T)
12373	CakSNP12373	<i>Kabuli</i>	Ca_Kabuli_Chr07	12244234	(C/T)
12374	CakSNP12374	<i>Kabuli</i>	Ca_Kabuli_Chr07	12244259	(G/A)
12375	CakSNP12375	<i>Kabuli</i>	Ca_Kabuli_Chr07	12284289	(T/A)
12376	CakSNP12376	<i>Kabuli</i>	Ca_Kabuli_Chr07	12284304	(A/G)
12377	CakSNP12377	<i>Kabuli</i>	Ca_Kabuli_Chr07	12385785	(C/T)
12378	CakSNP12378	<i>Kabuli</i>	Ca_Kabuli_Chr07	12390774	(G/A)
12379	CakSNP12379	<i>Kabuli</i>	Ca_Kabuli_Chr07	12481556	(G/C)
12380	CakSNP12380	<i>Kabuli</i>	Ca_Kabuli_Chr07	12481627	(A/C)
12381	CakSNP12381	<i>Kabuli</i>	Ca_Kabuli_Chr07	12481715	(A/G)
12382	CakSNP12382	<i>Kabuli</i>	Ca_Kabuli_Chr07	12481835	(C/T)
12383	CakSNP12383	<i>Kabuli</i>	Ca_Kabuli_Chr07	12482851	(G/A)
12384	CakSNP12384	<i>Kabuli</i>	Ca_Kabuli_Chr07	12482822	(A/G)
12385	CakSNP12385	<i>Kabuli</i>	Ca_Kabuli_Chr07	12482953	(A/C)
12386	CakSNP12386	<i>Kabuli</i>	Ca_Kabuli_Chr07	12483290	(A/C)
12387	CakSNP12387	<i>Kabuli</i>	Ca_Kabuli_Chr07	12492075	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12388	CakSNP12388	<i>Kabuli</i>	Ca_Kabuli_Chr07	12492052	(C/T)
12389	CakSNP12389	<i>Kabuli</i>	Ca_Kabuli_Chr07	12492046	(A/T)
12390	CakSNP12390	<i>Kabuli</i>	Ca_Kabuli_Chr07	12616871	(T/C)
12391	CakSNP12391	<i>Kabuli</i>	Ca_Kabuli_Chr07	12616870	(G/A)
12392	CakSNP12392	<i>Kabuli</i>	Ca_Kabuli_Chr07	12616957	(C/T)
12393	CakSNP12393	<i>Kabuli</i>	Ca_Kabuli_Chr07	12616937	(C/T)
12394	CakSNP12394	<i>Kabuli</i>	Ca_Kabuli_Chr07	12623129	(T/C)
12395	CakSNP12395	<i>Kabuli</i>	Ca_Kabuli_Chr07	12623128	(G/A)
12396	CakSNP12396	<i>Kabuli</i>	Ca_Kabuli_Chr07	12623215	(C/T)
12397	CakSNP12397	<i>Kabuli</i>	Ca_Kabuli_Chr07	12623195	(C/T)
12398	CakSNP12398	<i>Kabuli</i>	Ca_Kabuli_Chr07	12628148	(A/G)
12399	CakSNP12399	<i>Kabuli</i>	Ca_Kabuli_Chr07	12628211	(A/G)
12400	CakSNP12400	<i>Kabuli</i>	Ca_Kabuli_Chr07	12628265	(T/A)
12401	CakSNP12401	<i>Kabuli</i>	Ca_Kabuli_Chr07	12629986	(A/G)
12402	CakSNP12402	<i>Kabuli</i>	Ca_Kabuli_Chr07	12633590	(A/C)
12403	CakSNP12403	<i>Kabuli</i>	Ca_Kabuli_Chr07	12633642	(T/G)
12404	CakSNP12404	<i>Kabuli</i>	Ca_Kabuli_Chr07	12633643	(A/T)
12405	CakSNP12405	<i>Kabuli</i>	Ca_Kabuli_Chr07	12681440	(T/C)
12406	CakSNP12406	<i>Kabuli</i>	Ca_Kabuli_Chr07	12718820	(C/G)
12407	CakSNP12407	<i>Kabuli</i>	Ca_Kabuli_Chr07	12718853	(G/A)
12408	CakSNP12408	<i>Kabuli</i>	Ca_Kabuli_Chr07	12730600	(C/A)
12409	CakSNP12409	<i>Kabuli</i>	Ca_Kabuli_Chr07	12737516	(T/C)
12410	CakSNP12410	<i>Kabuli</i>	Ca_Kabuli_Chr07	12893655	(C/T)
12411	CakSNP12411	<i>Kabuli</i>	Ca_Kabuli_Chr07	12895182	(A/G)
12412	CakSNP12412	<i>Kabuli</i>	Ca_Kabuli_Chr07	12898640	(A/C)
12413	CakSNP12413	<i>Kabuli</i>	Ca_Kabuli_Chr07	12898709	(T/A)
12414	CakSNP12414	<i>Kabuli</i>	Ca_Kabuli_Chr07	12898707	(G/A)
12415	CakSNP12415	<i>Kabuli</i>	Ca_Kabuli_Chr07	12899398	(T/C)
12416	CakSNP12416	<i>Kabuli</i>	Ca_Kabuli_Chr07	12913811	(T/A)
12417	CakSNP12417	<i>Kabuli</i>	Ca_Kabuli_Chr07	13020788	(C/T)
12418	CakSNP12418	<i>Kabuli</i>	Ca_Kabuli_Chr07	13020772	(A/G)
12419	CakSNP12419	<i>Kabuli</i>	Ca_Kabuli_Chr07	13021047	(A/G)
12420	CakSNP12420	<i>Kabuli</i>	Ca_Kabuli_Chr07	13021030	(A/G)
12421	CakSNP12421	<i>Kabuli</i>	Ca_Kabuli_Chr07	13059710	(C/A)
12422	CakSNP12422	<i>Kabuli</i>	Ca_Kabuli_Chr07	13059712	(C/A)
12423	CakSNP12423	<i>Kabuli</i>	Ca_Kabuli_Chr07	13059717	(T/A)
12424	CakSNP12424	<i>Kabuli</i>	Ca_Kabuli_Chr07	13059852	(G/A)
12425	CakSNP12425	<i>Kabuli</i>	Ca_Kabuli_Chr07	13172542	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12426	CakSNP12426	<i>Kabuli</i>	Ca_Kabuli_Chr07	13220439	(G/A)
12427	CakSNP12427	<i>Kabuli</i>	Ca_Kabuli_Chr07	13220418	(A/G)
12428	CakSNP12428	<i>Kabuli</i>	Ca_Kabuli_Chr07	13262430	(C/T)
12429	CakSNP12429	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281255	(T/C)
12430	CakSNP12430	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281290	(A/G)
12431	CakSNP12431	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281297	(C/G)
12432	CakSNP12432	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281307	(C/T)
12433	CakSNP12433	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281313	(T/C)
12434	CakSNP12434	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281314	(G/A)
12435	CakSNP12435	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281374	(G/T)
12436	CakSNP12436	<i>Kabuli</i>	Ca_Kabuli_Chr07	13281351	(T/A)
12437	CakSNP12437	<i>Kabuli</i>	Ca_Kabuli_Chr07	13288828	(G/A)
12438	CakSNP12438	<i>Kabuli</i>	Ca_Kabuli_Chr07	13288813	(G/A)
12439	CakSNP12439	<i>Kabuli</i>	Ca_Kabuli_Chr07	13288753	(A/C)
12440	CakSNP12440	<i>Kabuli</i>	Ca_Kabuli_Chr07	13319871	(A/G)
12441	CakSNP12441	<i>Kabuli</i>	Ca_Kabuli_Chr07	13514074	(C/T)
12442	CakSNP12442	<i>Kabuli</i>	Ca_Kabuli_Chr07	13605200	(A/C)
12443	CakSNP12443	<i>Kabuli</i>	Ca_Kabuli_Chr07	13605191	(A/C)
12444	CakSNP12444	<i>Kabuli</i>	Ca_Kabuli_Chr07	13605188	(A/C)
12445	CakSNP12445	<i>Kabuli</i>	Ca_Kabuli_Chr07	13605578	(C/G)
12446	CakSNP12446	<i>Kabuli</i>	Ca_Kabuli_Chr07	13667102	(C/T)
12447	CakSNP12447	<i>Kabuli</i>	Ca_Kabuli_Chr07	13667103	(T/G)
12448	CakSNP12448	<i>Kabuli</i>	Ca_Kabuli_Chr07	13730350	(A/C)
12449	CakSNP12449	<i>Kabuli</i>	Ca_Kabuli_Chr07	13757159	(A/C)
12450	CakSNP12450	<i>Kabuli</i>	Ca_Kabuli_Chr07	13776110	(A/C)
12451	CakSNP12451	<i>Kabuli</i>	Ca_Kabuli_Chr07	13781815	(T/C)
12452	CakSNP12452	<i>Kabuli</i>	Ca_Kabuli_Chr07	13819387	(C/T)
12453	CakSNP12453	<i>Kabuli</i>	Ca_Kabuli_Chr07	13881348	(G/A)
12454	CakSNP12454	<i>Kabuli</i>	Ca_Kabuli_Chr07	13893199	(T/C)
12455	CakSNP12455	<i>Kabuli</i>	Ca_Kabuli_Chr07	13893344	(G/C)
12456	CakSNP12456	<i>Kabuli</i>	Ca_Kabuli_Chr07	13893382	(G/T)
12457	CakSNP12457	<i>Kabuli</i>	Ca_Kabuli_Chr07	13893383	(C/T)
12458	CakSNP12458	<i>Kabuli</i>	Ca_Kabuli_Chr07	13903980	(T/G)
12459	CakSNP12459	<i>Kabuli</i>	Ca_Kabuli_Chr07	13904163	(T/C)
12460	CakSNP12460	<i>Kabuli</i>	Ca_Kabuli_Chr07	13913735	(A/G)
12461	CakSNP12461	<i>Kabuli</i>	Ca_Kabuli_Chr07	13921214	(C/T)
12462	CakSNP12462	<i>Kabuli</i>	Ca_Kabuli_Chr07	13921289	(T/C)
12463	CakSNP12463	<i>Kabuli</i>	Ca_Kabuli_Chr07	13949259	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12464	CakSNP12464	<i>Kabuli</i>	Ca_Kabuli_Chr07	13949314	(G/A)
12465	CakSNP12465	<i>Kabuli</i>	Ca_Kabuli_Chr07	13951874	(T/C)
12466	CakSNP12466	<i>Kabuli</i>	Ca_Kabuli_Chr07	13951856	(T/C)
12467	CakSNP12467	<i>Kabuli</i>	Ca_Kabuli_Chr07	14030136	(C/T)
12468	CakSNP12468	<i>Kabuli</i>	Ca_Kabuli_Chr07	14051146	(G/T)
12469	CakSNP12469	<i>Kabuli</i>	Ca_Kabuli_Chr07	14179629	(T/G)
12470	CakSNP12470	<i>Kabuli</i>	Ca_Kabuli_Chr07	14179733	(C/A)
12471	CakSNP12471	<i>Kabuli</i>	Ca_Kabuli_Chr07	14212570	(C/A)
12472	CakSNP12472	<i>Kabuli</i>	Ca_Kabuli_Chr07	14212597	(C/G)
12473	CakSNP12473	<i>Kabuli</i>	Ca_Kabuli_Chr07	14233343	(T/G)
12474	CakSNP12474	<i>Kabuli</i>	Ca_Kabuli_Chr07	14233368	(T/C)
12475	CakSNP12475	<i>Kabuli</i>	Ca_Kabuli_Chr07	14281993	(G/T)
12476	CakSNP12476	<i>Kabuli</i>	Ca_Kabuli_Chr07	14282088	(T/C)
12477	CakSNP12477	<i>Kabuli</i>	Ca_Kabuli_Chr07	14320216	(T/C)
12478	CakSNP12478	<i>Kabuli</i>	Ca_Kabuli_Chr07	14328655	(T/C)
12479	CakSNP12479	<i>Kabuli</i>	Ca_Kabuli_Chr07	14328649	(T/C)
12480	CakSNP12480	<i>Kabuli</i>	Ca_Kabuli_Chr07	14329126	(C/T)
12481	CakSNP12481	<i>Kabuli</i>	Ca_Kabuli_Chr07	14329175	(G/A)
12482	CakSNP12482	<i>Kabuli</i>	Ca_Kabuli_Chr07	14329196	(G/A)
12483	CakSNP12483	<i>Kabuli</i>	Ca_Kabuli_Chr07	14329217	(C/T)
12484	CakSNP12484	<i>Kabuli</i>	Ca_Kabuli_Chr07	14329167	(A/T)
12485	CakSNP12485	<i>Kabuli</i>	Ca_Kabuli_Chr07	14345827	(T/C)
12486	CakSNP12486	<i>Kabuli</i>	Ca_Kabuli_Chr07	14345799	(T/A)
12487	CakSNP12487	<i>Kabuli</i>	Ca_Kabuli_Chr07	14470549	(C/G)
12488	CakSNP12488	<i>Kabuli</i>	Ca_Kabuli_Chr07	14518292	(A/T)
12489	CakSNP12489	<i>Kabuli</i>	Ca_Kabuli_Chr07	14526546	(A/G)
12490	CakSNP12490	<i>Kabuli</i>	Ca_Kabuli_Chr07	14526495	(T/C)
12491	CakSNP12491	<i>Kabuli</i>	Ca_Kabuli_Chr07	14526493	(C/T)
12492	CakSNP12492	<i>Kabuli</i>	Ca_Kabuli_Chr07	14526480	(T/C)
12493	CakSNP12493	<i>Kabuli</i>	Ca_Kabuli_Chr07	14526478	(G/C)
12494	CakSNP12494	<i>Kabuli</i>	Ca_Kabuli_Chr07	14558741	(C/A)
12495	CakSNP12495	<i>Kabuli</i>	Ca_Kabuli_Chr07	14558785	(C/T)
12496	CakSNP12496	<i>Kabuli</i>	Ca_Kabuli_Chr07	14559033	(G/A)
12497	CakSNP12497	<i>Kabuli</i>	Ca_Kabuli_Chr07	14666535	(T/A)
12498	CakSNP12498	<i>Kabuli</i>	Ca_Kabuli_Chr07	14668939	(G/A)
12499	CakSNP12499	<i>Kabuli</i>	Ca_Kabuli_Chr07	14668922	(A/C)
12500	CakSNP12500	<i>Kabuli</i>	Ca_Kabuli_Chr07	14685011	(G/C)
12501	CakSNP12501	<i>Kabuli</i>	Ca_Kabuli_Chr07	14685017	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12502	CakSNP12502	<i>Kabuli</i>	Ca_Kabuli_Chr07	14685024	(A/G)
12503	CakSNP12503	<i>Kabuli</i>	Ca_Kabuli_Chr07	14685034	(T/G)
12504	CakSNP12504	<i>Kabuli</i>	Ca_Kabuli_Chr07	14712518	(C/A)
12505	CakSNP12505	<i>Kabuli</i>	Ca_Kabuli_Chr07	14712568	(C/A)
12506	CakSNP12506	<i>Kabuli</i>	Ca_Kabuli_Chr07	14712596	(T/C)
12507	CakSNP12507	<i>Kabuli</i>	Ca_Kabuli_Chr07	14712601	(C/T)
12508	CakSNP12508	<i>Kabuli</i>	Ca_Kabuli_Chr07	14748257	(T/A)
12509	CakSNP12509	<i>Kabuli</i>	Ca_Kabuli_Chr07	14775135	(C/G)
12510	CakSNP12510	<i>Kabuli</i>	Ca_Kabuli_Chr07	14782453	(A/G)
12511	CakSNP12511	<i>Kabuli</i>	Ca_Kabuli_Chr07	14899028	(C/A)
12512	CakSNP12512	<i>Kabuli</i>	Ca_Kabuli_Chr07	14899101	(T/C)
12513	CakSNP12513	<i>Kabuli</i>	Ca_Kabuli_Chr07	14933294	(T/C)
12514	CakSNP12514	<i>Kabuli</i>	Ca_Kabuli_Chr07	14933286	(G/A)
12515	CakSNP12515	<i>Kabuli</i>	Ca_Kabuli_Chr07	14983364	(T/G)
12516	CakSNP12516	<i>Kabuli</i>	Ca_Kabuli_Chr07	14997794	(G/A)
12517	CakSNP12517	<i>Kabuli</i>	Ca_Kabuli_Chr07	14997883	(T/C)
12518	CakSNP12518	<i>Kabuli</i>	Ca_Kabuli_Chr07	15028182	(T/G)
12519	CakSNP12519	<i>Kabuli</i>	Ca_Kabuli_Chr07	15039606	(T/A)
12520	CakSNP12520	<i>Kabuli</i>	Ca_Kabuli_Chr07	15069817	(G/A)
12521	CakSNP12521	<i>Kabuli</i>	Ca_Kabuli_Chr07	15070091	(T/A)
12522	CakSNP12522	<i>Kabuli</i>	Ca_Kabuli_Chr07	15119205	(T/C)
12523	CakSNP12523	<i>Kabuli</i>	Ca_Kabuli_Chr07	15125638	(G/C)
12524	CakSNP12524	<i>Kabuli</i>	Ca_Kabuli_Chr07	15125619	(T/G)
12525	CakSNP12525	<i>Kabuli</i>	Ca_Kabuli_Chr07	15185603	(A/G)
12526	CakSNP12526	<i>Kabuli</i>	Ca_Kabuli_Chr07	15201600	(A/G)
12527	CakSNP12527	<i>Kabuli</i>	Ca_Kabuli_Chr07	15399421	(T/C)
12528	CakSNP12528	<i>Kabuli</i>	Ca_Kabuli_Chr07	15441316	(A/T)
12529	CakSNP12529	<i>Kabuli</i>	Ca_Kabuli_Chr07	15463183	(G/T)
12530	CakSNP12530	<i>Kabuli</i>	Ca_Kabuli_Chr07	15463170	(G/A)
12531	CakSNP12531	<i>Kabuli</i>	Ca_Kabuli_Chr07	15463169	(G/A)
12532	CakSNP12532	<i>Kabuli</i>	Ca_Kabuli_Chr07	15530329	(G/T)
12533	CakSNP12533	<i>Kabuli</i>	Ca_Kabuli_Chr07	15530316	(G/A)
12534	CakSNP12534	<i>Kabuli</i>	Ca_Kabuli_Chr07	15530315	(G/A)
12535	CakSNP12535	<i>Kabuli</i>	Ca_Kabuli_Chr07	15568060	(G/T)
12536	CakSNP12536	<i>Kabuli</i>	Ca_Kabuli_Chr07	15568047	(G/A)
12537	CakSNP12537	<i>Kabuli</i>	Ca_Kabuli_Chr07	15568046	(G/A)
12538	CakSNP12538	<i>Kabuli</i>	Ca_Kabuli_Chr07	15622247	(G/A)
12539	CakSNP12539	<i>Kabuli</i>	Ca_Kabuli_Chr07	15622245	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12540	CakSNP12540	<i>Kabuli</i>	Ca_Kabuli_Chr07	15762068	(A/T)
12541	CakSNP12541	<i>Kabuli</i>	Ca_Kabuli_Chr07	15826588	(A/C)
12542	CakSNP12542	<i>Kabuli</i>	Ca_Kabuli_Chr07	15856789	(A/G)
12543	CakSNP12543	<i>Kabuli</i>	Ca_Kabuli_Chr07	15856955	(T/G)
12544	CakSNP12544	<i>Kabuli</i>	Ca_Kabuli_Chr07	15860298	(T/C)
12545	CakSNP12545	<i>Kabuli</i>	Ca_Kabuli_Chr07	15887790	(T/C)
12546	CakSNP12546	<i>Kabuli</i>	Ca_Kabuli_Chr07	15966680	(A/G)
12547	CakSNP12547	<i>Kabuli</i>	Ca_Kabuli_Chr07	15966714	(G/A)
12548	CakSNP12548	<i>Kabuli</i>	Ca_Kabuli_Chr07	16008746	(T/C)
12549	CakSNP12549	<i>Kabuli</i>	Ca_Kabuli_Chr07	16008733	(A/G)
12550	CakSNP12550	<i>Kabuli</i>	Ca_Kabuli_Chr07	16289811	(C/T)
12551	CakSNP12551	<i>Kabuli</i>	Ca_Kabuli_Chr07	16289802	(C/T)
12552	CakSNP12552	<i>Kabuli</i>	Ca_Kabuli_Chr07	16289794	(G/T)
12553	CakSNP12553	<i>Kabuli</i>	Ca_Kabuli_Chr07	16324985	(T/C)
12554	CakSNP12554	<i>Kabuli</i>	Ca_Kabuli_Chr07	16331943	(A/G)
12555	CakSNP12555	<i>Kabuli</i>	Ca_Kabuli_Chr07	16381854	(T/C)
12556	CakSNP12556	<i>Kabuli</i>	Ca_Kabuli_Chr07	16381891	(T/G)
12557	CakSNP12557	<i>Kabuli</i>	Ca_Kabuli_Chr07	16381934	(T/C)
12558	CakSNP12558	<i>Kabuli</i>	Ca_Kabuli_Chr07	16466619	(T/C)
12559	CakSNP12559	<i>Kabuli</i>	Ca_Kabuli_Chr07	16581695	(C/G)
12560	CakSNP12560	<i>Kabuli</i>	Ca_Kabuli_Chr07	16626047	(T/G)
12561	CakSNP12561	<i>Kabuli</i>	Ca_Kabuli_Chr07	16626703	(A/G)
12562	CakSNP12562	<i>Kabuli</i>	Ca_Kabuli_Chr07	16665577	(A/G)
12563	CakSNP12563	<i>Kabuli</i>	Ca_Kabuli_Chr07	16735437	(G/A)
12564	CakSNP12564	<i>Kabuli</i>	Ca_Kabuli_Chr07	16735427	(A/G)
12565	CakSNP12565	<i>Kabuli</i>	Ca_Kabuli_Chr07	16735423	(G/C)
12566	CakSNP12566	<i>Kabuli</i>	Ca_Kabuli_Chr07	16816296	(G/C)
12567	CakSNP12567	<i>Kabuli</i>	Ca_Kabuli_Chr07	16821274	(A/C)
12568	CakSNP12568	<i>Kabuli</i>	Ca_Kabuli_Chr07	16829081	(C/A)
12569	CakSNP12569	<i>Kabuli</i>	Ca_Kabuli_Chr07	16897329	(A/C)
12570	CakSNP12570	<i>Kabuli</i>	Ca_Kabuli_Chr07	16897285	(T/C)
12571	CakSNP12571	<i>Kabuli</i>	Ca_Kabuli_Chr07	16936123	(C/G)
12572	CakSNP12572	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017466	(C/G)
12573	CakSNP12573	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017453	(A/G)
12574	CakSNP12574	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017447	(A/G)
12575	CakSNP12575	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017438	(A/T)
12576	CakSNP12576	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017421	(G/A)
12577	CakSNP12577	<i>Kabuli</i>	Ca_Kabuli_Chr07	17017418	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12578	CakSNP12578	<i>Kabuli</i>	Ca_Kabuli_Chr07	17038317	(G/A)
12579	CakSNP12579	<i>Kabuli</i>	Ca_Kabuli_Chr07	17064968	(T/C)
12580	CakSNP12580	<i>Kabuli</i>	Ca_Kabuli_Chr07	17088603	(A/G)
12581	CakSNP12581	<i>Kabuli</i>	Ca_Kabuli_Chr07	17140664	(C/T)
12582	CakSNP12582	<i>Kabuli</i>	Ca_Kabuli_Chr07	17178847	(A/C)
12583	CakSNP12583	<i>Kabuli</i>	Ca_Kabuli_Chr07	17181160	(G/C)
12584	CakSNP12584	<i>Kabuli</i>	Ca_Kabuli_Chr07	17228904	(T/G)
12585	CakSNP12585	<i>Kabuli</i>	Ca_Kabuli_Chr07	17318174	(G/T)
12586	CakSNP12586	<i>Kabuli</i>	Ca_Kabuli_Chr07	17539110	(G/A)
12587	CakSNP12587	<i>Kabuli</i>	Ca_Kabuli_Chr07	17539136	(C/A)
12588	CakSNP12588	<i>Kabuli</i>	Ca_Kabuli_Chr07	17539207	(G/A)
12589	CakSNP12589	<i>Kabuli</i>	Ca_Kabuli_Chr07	17586154	(C/T)
12590	CakSNP12590	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591798	(T/A)
12591	CakSNP12591	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591781	(G/A)
12592	CakSNP12592	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591843	(G/T)
12593	CakSNP12593	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591974	(A/G)
12594	CakSNP12594	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591971	(A/G)
12595	CakSNP12595	<i>Kabuli</i>	Ca_Kabuli_Chr07	17591924	(T/C)
12596	CakSNP12596	<i>Kabuli</i>	Ca_Kabuli_Chr07	17592701	(C/A)
12597	CakSNP12597	<i>Kabuli</i>	Ca_Kabuli_Chr07	17597348	(T/C)
12598	CakSNP12598	<i>Kabuli</i>	Ca_Kabuli_Chr07	17597421	(A/G)
12599	CakSNP12599	<i>Kabuli</i>	Ca_Kabuli_Chr07	17597420	(C/T)
12600	CakSNP12600	<i>Kabuli</i>	Ca_Kabuli_Chr07	17624143	(G/A)
12601	CakSNP12601	<i>Kabuli</i>	Ca_Kabuli_Chr07	17624225	(T/C)
12602	CakSNP12602	<i>Kabuli</i>	Ca_Kabuli_Chr07	17766520	(T/C)
12603	CakSNP12603	<i>Kabuli</i>	Ca_Kabuli_Chr07	17766952	(T/A)
12604	CakSNP12604	<i>Kabuli</i>	Ca_Kabuli_Chr07	17766914	(C/A)
12605	CakSNP12605	<i>Kabuli</i>	Ca_Kabuli_Chr07	17779414	(A/G)
12606	CakSNP12606	<i>Kabuli</i>	Ca_Kabuli_Chr07	17779594	(T/C)
12607	CakSNP12607	<i>Kabuli</i>	Ca_Kabuli_Chr07	17779700	(A/T)
12608	CakSNP12608	<i>Kabuli</i>	Ca_Kabuli_Chr07	17782558	(C/T)
12609	CakSNP12609	<i>Kabuli</i>	Ca_Kabuli_Chr07	18011604	(G/C)
12610	CakSNP12610	<i>Kabuli</i>	Ca_Kabuli_Chr07	18090289	(T/A)
12611	CakSNP12611	<i>Kabuli</i>	Ca_Kabuli_Chr07	18265803	(A/C)
12612	CakSNP12612	<i>Kabuli</i>	Ca_Kabuli_Chr07	18265791	(G/C)
12613	CakSNP12613	<i>Kabuli</i>	Ca_Kabuli_Chr07	18265782	(G/C)
12614	CakSNP12614	<i>Kabuli</i>	Ca_Kabuli_Chr07	18319049	(T/G)
12615	CakSNP12615	<i>Kabuli</i>	Ca_Kabuli_Chr07	18319073	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12616	CakSNP12616	<i>Kabuli</i>	Ca_Kabuli_Chr07	18365218	(G/A)
12617	CakSNP12617	<i>Kabuli</i>	Ca_Kabuli_Chr07	18430468	(C/T)
12618	CakSNP12618	<i>Kabuli</i>	Ca_Kabuli_Chr07	18469372	(G/A)
12619	CakSNP12619	<i>Kabuli</i>	Ca_Kabuli_Chr07	18469422	(C/T)
12620	CakSNP12620	<i>Kabuli</i>	Ca_Kabuli_Chr07	18638565	(A/G)
12621	CakSNP12621	<i>Kabuli</i>	Ca_Kabuli_Chr07	18642538	(A/G)
12622	CakSNP12622	<i>Kabuli</i>	Ca_Kabuli_Chr07	18658563	(C/G)
12623	CakSNP12623	<i>Kabuli</i>	Ca_Kabuli_Chr07	18696645	(G/A)
12624	CakSNP12624	<i>Kabuli</i>	Ca_Kabuli_Chr07	18796748	(T/C)
12625	CakSNP12625	<i>Kabuli</i>	Ca_Kabuli_Chr07	18796768	(A/G)
12626	CakSNP12626	<i>Kabuli</i>	Ca_Kabuli_Chr07	18910468	(A/G)
12627	CakSNP12627	<i>Kabuli</i>	Ca_Kabuli_Chr07	19042183	(C/T)
12628	CakSNP12628	<i>Kabuli</i>	Ca_Kabuli_Chr07	19189737	(A/C)
12629	CakSNP12629	<i>Kabuli</i>	Ca_Kabuli_Chr07	19217501	(A/C)
12630	CakSNP12630	<i>Kabuli</i>	Ca_Kabuli_Chr07	19217598	(G/C)
12631	CakSNP12631	<i>Kabuli</i>	Ca_Kabuli_Chr07	19232818	(T/A)
12632	CakSNP12632	<i>Kabuli</i>	Ca_Kabuli_Chr07	19290521	(G/A)
12633	CakSNP12633	<i>Kabuli</i>	Ca_Kabuli_Chr07	19470527	(T/C)
12634	CakSNP12634	<i>Kabuli</i>	Ca_Kabuli_Chr07	19472719	(G/A)
12635	CakSNP12635	<i>Kabuli</i>	Ca_Kabuli_Chr07	19472689	(T/A)
12636	CakSNP12636	<i>Kabuli</i>	Ca_Kabuli_Chr07	19542901	(A/G)
12637	CakSNP12637	<i>Kabuli</i>	Ca_Kabuli_Chr07	19549636	(C/T)
12638	CakSNP12638	<i>Kabuli</i>	Ca_Kabuli_Chr07	19707812	(T/A)
12639	CakSNP12639	<i>Kabuli</i>	Ca_Kabuli_Chr07	19707842	(G/A)
12640	CakSNP12640	<i>Kabuli</i>	Ca_Kabuli_Chr07	19818789	(C/A)
12641	CakSNP12641	<i>Kabuli</i>	Ca_Kabuli_Chr07	19818770	(T/C)
12642	CakSNP12642	<i>Kabuli</i>	Ca_Kabuli_Chr07	19818759	(G/C)
12643	CakSNP12643	<i>Kabuli</i>	Ca_Kabuli_Chr07	19818757	(G/C)
12644	CakSNP12644	<i>Kabuli</i>	Ca_Kabuli_Chr07	20031805	(T/C)
12645	CakSNP12645	<i>Kabuli</i>	Ca_Kabuli_Chr07	20032205	(A/C)
12646	CakSNP12646	<i>Kabuli</i>	Ca_Kabuli_Chr07	20082842	(T/C)
12647	CakSNP12647	<i>Kabuli</i>	Ca_Kabuli_Chr07	20083040	(A/T)
12648	CakSNP12648	<i>Kabuli</i>	Ca_Kabuli_Chr07	20099384	(C/T)
12649	CakSNP12649	<i>Kabuli</i>	Ca_Kabuli_Chr07	20111019	(T/C)
12650	CakSNP12650	<i>Kabuli</i>	Ca_Kabuli_Chr07	20111123	(T/C)
12651	CakSNP12651	<i>Kabuli</i>	Ca_Kabuli_Chr07	20112897	(G/A)
12652	CakSNP12652	<i>Kabuli</i>	Ca_Kabuli_Chr07	20135647	(C/G)
12653	CakSNP12653	<i>Kabuli</i>	Ca_Kabuli_Chr07	20168870	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12654	CakSNP12654	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252133	(T/C)
12655	CakSNP12655	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252134	(G/A)
12656	CakSNP12656	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252135	(A/G)
12657	CakSNP12657	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252144	(G/A)
12658	CakSNP12658	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252145	(A/G)
12659	CakSNP12659	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252181	(C/T)
12660	CakSNP12660	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252192	(G/A)
12661	CakSNP12661	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252201	(C/A)
12662	CakSNP12662	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252212	(C/T)
12663	CakSNP12663	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252214	(C/G)
12664	CakSNP12664	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252236	(G/A)
12665	CakSNP12665	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252234	(A/C)
12666	CakSNP12666	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252233	(C/T)
12667	CakSNP12667	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252221	(T/C)
12668	CakSNP12668	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252209	(G/A)
12669	CakSNP12669	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252309	(C/T)
12670	CakSNP12670	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252334	(A/T)
12671	CakSNP12671	<i>Kabuli</i>	Ca_Kabuli_Chr07	20252340	(A/G)
12672	CakSNP12672	<i>Kabuli</i>	Ca_Kabuli_Chr07	20362883	(G/A)
12673	CakSNP12673	<i>Kabuli</i>	Ca_Kabuli_Chr07	20362879	(C/T)
12674	CakSNP12674	<i>Kabuli</i>	Ca_Kabuli_Chr07	20362876	(G/A)
12675	CakSNP12675	<i>Kabuli</i>	Ca_Kabuli_Chr07	20362838	(T/C)
12676	CakSNP12676	<i>Kabuli</i>	Ca_Kabuli_Chr07	20414653	(G/A)
12677	CakSNP12677	<i>Kabuli</i>	Ca_Kabuli_Chr07	20414703	(C/A)
12678	CakSNP12678	<i>Kabuli</i>	Ca_Kabuli_Chr07	20486247	(T/G)
12679	CakSNP12679	<i>Kabuli</i>	Ca_Kabuli_Chr07	20486280	(G/C)
12680	CakSNP12680	<i>Kabuli</i>	Ca_Kabuli_Chr07	20496378	(G/A)
12681	CakSNP12681	<i>Kabuli</i>	Ca_Kabuli_Chr07	20496303	(C/T)
12682	CakSNP12682	<i>Kabuli</i>	Ca_Kabuli_Chr07	20496438	(C/T)
12683	CakSNP12683	<i>Kabuli</i>	Ca_Kabuli_Chr07	20498552	(T/C)
12684	CakSNP12684	<i>Kabuli</i>	Ca_Kabuli_Chr07	20498626	(T/G)
12685	CakSNP12685	<i>Kabuli</i>	Ca_Kabuli_Chr07	20540780	(C/T)
12686	CakSNP12686	<i>Kabuli</i>	Ca_Kabuli_Chr07	20540791	(G/A)
12687	CakSNP12687	<i>Kabuli</i>	Ca_Kabuli_Chr07	20543119	(T/C)
12688	CakSNP12688	<i>Kabuli</i>	Ca_Kabuli_Chr07	20550563	(G/A)
12689	CakSNP12689	<i>Kabuli</i>	Ca_Kabuli_Chr07	20550575	(C/G)
12690	CakSNP12690	<i>Kabuli</i>	Ca_Kabuli_Chr07	20552041	(G/A)
12691	CakSNP12691	<i>Kabuli</i>	Ca_Kabuli_Chr07	20552053	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12692	CakSNP12692	<i>Kabuli</i>	Ca_Kabuli_Chr07	20556466	(G/C)
12693	CakSNP12693	<i>Kabuli</i>	Ca_Kabuli_Chr07	20556576	(C/T)
12694	CakSNP12694	<i>Kabuli</i>	Ca_Kabuli_Chr07	20563931	(G/A)
12695	CakSNP12695	<i>Kabuli</i>	Ca_Kabuli_Chr07	20564024	(G/A)
12696	CakSNP12696	<i>Kabuli</i>	Ca_Kabuli_Chr07	20564266	(G/A)
12697	CakSNP12697	<i>Kabuli</i>	Ca_Kabuli_Chr07	20564269	(C/T)
12698	CakSNP12698	<i>Kabuli</i>	Ca_Kabuli_Chr07	20564297	(A/G)
12699	CakSNP12699	<i>Kabuli</i>	Ca_Kabuli_Chr07	20579963	(G/T)
12700	CakSNP12700	<i>Kabuli</i>	Ca_Kabuli_Chr07	20579974	(A/T)
12701	CakSNP12701	<i>Kabuli</i>	Ca_Kabuli_Chr07	20585997	(T/G)
12702	CakSNP12702	<i>Kabuli</i>	Ca_Kabuli_Chr07	20605389	(G/A)
12703	CakSNP12703	<i>Kabuli</i>	Ca_Kabuli_Chr07	20605384	(C/G)
12704	CakSNP12704	<i>Kabuli</i>	Ca_Kabuli_Chr07	20605373	(C/A)
12705	CakSNP12705	<i>Kabuli</i>	Ca_Kabuli_Chr07	20633040	(A/G)
12706	CakSNP12706	<i>Kabuli</i>	Ca_Kabuli_Chr07	20637152	(G/A)
12707	CakSNP12707	<i>Kabuli</i>	Ca_Kabuli_Chr07	20917747	(A/G)
12708	CakSNP12708	<i>Kabuli</i>	Ca_Kabuli_Chr07	20917743	(T/G)
12709	CakSNP12709	<i>Kabuli</i>	Ca_Kabuli_Chr07	20917740	(A/G)
12710	CakSNP12710	<i>Kabuli</i>	Ca_Kabuli_Chr07	21073385	(A/C)
12711	CakSNP12711	<i>Kabuli</i>	Ca_Kabuli_Chr07	21081969	(A/G)
12712	CakSNP12712	<i>Kabuli</i>	Ca_Kabuli_Chr07	21099782	(G/T)
12713	CakSNP12713	<i>Kabuli</i>	Ca_Kabuli_Chr07	21402075	(A/G)
12714	CakSNP12714	<i>Kabuli</i>	Ca_Kabuli_Chr07	21402117	(A/C)
12715	CakSNP12715	<i>Kabuli</i>	Ca_Kabuli_Chr07	21595525	(C/T)
12716	CakSNP12716	<i>Kabuli</i>	Ca_Kabuli_Chr07	21595527	(T/G)
12717	CakSNP12717	<i>Kabuli</i>	Ca_Kabuli_Chr07	21616285	(A/G)
12718	CakSNP12718	<i>Kabuli</i>	Ca_Kabuli_Chr07	21616287	(T/G)
12719	CakSNP12719	<i>Kabuli</i>	Ca_Kabuli_Chr07	21616294	(T/G)
12720	CakSNP12720	<i>Kabuli</i>	Ca_Kabuli_Chr07	21626752	(T/C)
12721	CakSNP12721	<i>Kabuli</i>	Ca_Kabuli_Chr07	21633103	(C/G)
12722	CakSNP12722	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639234	(G/A)
12723	CakSNP12723	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639238	(G/A)
12724	CakSNP12724	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639244	(T/G)
12725	CakSNP12725	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639251	(T/G)
12726	CakSNP12726	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639254	(T/G)
12727	CakSNP12727	<i>Kabuli</i>	Ca_Kabuli_Chr07	21639375	(T/G)
12728	CakSNP12728	<i>Kabuli</i>	Ca_Kabuli_Chr07	21644279	(C/T)
12729	CakSNP12729	<i>Kabuli</i>	Ca_Kabuli_Chr07	21644342	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12730	CakSNP12730	<i>Kabuli</i>	Ca_Kabuli_Chr07	21713147	(T/G)
12731	CakSNP12731	<i>Kabuli</i>	Ca_Kabuli_Chr07	21744514	(T/C)
12732	CakSNP12732	<i>Kabuli</i>	Ca_Kabuli_Chr07	21918052	(G/C)
12733	CakSNP12733	<i>Kabuli</i>	Ca_Kabuli_Chr07	22707297	(T/C)
12734	CakSNP12734	<i>Kabuli</i>	Ca_Kabuli_Chr07	22721356	(A/C)
12735	CakSNP12735	<i>Kabuli</i>	Ca_Kabuli_Chr07	22738152	(C/G)
12736	CakSNP12736	<i>Kabuli</i>	Ca_Kabuli_Chr07	22738307	(G/C)
12737	CakSNP12737	<i>Kabuli</i>	Ca_Kabuli_Chr07	22738482	(A/G)
12738	CakSNP12738	<i>Kabuli</i>	Ca_Kabuli_Chr07	22808696	(A/G)
12739	CakSNP12739	<i>Kabuli</i>	Ca_Kabuli_Chr07	22808695	(C/T)
12740	CakSNP12740	<i>Kabuli</i>	Ca_Kabuli_Chr07	22808687	(C/T)
12741	CakSNP12741	<i>Kabuli</i>	Ca_Kabuli_Chr07	22808717	(C/T)
12742	CakSNP12742	<i>Kabuli</i>	Ca_Kabuli_Chr07	22808679	(A/C)
12743	CakSNP12743	<i>Kabuli</i>	Ca_Kabuli_Chr07	22839776	(G/A)
12744	CakSNP12744	<i>Kabuli</i>	Ca_Kabuli_Chr07	22875652	(A/G)
12745	CakSNP12745	<i>Kabuli</i>	Ca_Kabuli_Chr07	23087696	(T/C)
12746	CakSNP12746	<i>Kabuli</i>	Ca_Kabuli_Chr07	23087732	(T/C)
12747	CakSNP12747	<i>Kabuli</i>	Ca_Kabuli_Chr07	23439214	(A/G)
12748	CakSNP12748	<i>Kabuli</i>	Ca_Kabuli_Chr07	23439225	(C/A)
12749	CakSNP12749	<i>Kabuli</i>	Ca_Kabuli_Chr07	23574823	(C/T)
12750	CakSNP12750	<i>Kabuli</i>	Ca_Kabuli_Chr07	23575629	(G/A)
12751	CakSNP12751	<i>Kabuli</i>	Ca_Kabuli_Chr07	23616050	(A/G)
12752	CakSNP12752	<i>Kabuli</i>	Ca_Kabuli_Chr07	24021690	(T/A)
12753	CakSNP12753	<i>Kabuli</i>	Ca_Kabuli_Chr07	24181321	(G/A)
12754	CakSNP12754	<i>Kabuli</i>	Ca_Kabuli_Chr07	24190633	(G/A)
12755	CakSNP12755	<i>Kabuli</i>	Ca_Kabuli_Chr07	24190636	(G/A)
12756	CakSNP12756	<i>Kabuli</i>	Ca_Kabuli_Chr07	24190645	(A/T)
12757	CakSNP12757	<i>Kabuli</i>	Ca_Kabuli_Chr07	24190650	(G/A)
12758	CakSNP12758	<i>Kabuli</i>	Ca_Kabuli_Chr07	24190671	(C/T)
12759	CakSNP12759	<i>Kabuli</i>	Ca_Kabuli_Chr07	24245096	(C/T)
12760	CakSNP12760	<i>Kabuli</i>	Ca_Kabuli_Chr07	24415819	(T/A)
12761	CakSNP12761	<i>Kabuli</i>	Ca_Kabuli_Chr07	25218407	(C/T)
12762	CakSNP12762	<i>Kabuli</i>	Ca_Kabuli_Chr07	25362272	(T/C)
12763	CakSNP12763	<i>Kabuli</i>	Ca_Kabuli_Chr07	25428518	(T/C)
12764	CakSNP12764	<i>Kabuli</i>	Ca_Kabuli_Chr07	25428525	(C/G)
12765	CakSNP12765	<i>Kabuli</i>	Ca_Kabuli_Chr07	25428548	(G/T)
12766	CakSNP12766	<i>Kabuli</i>	Ca_Kabuli_Chr07	25428566	(T/C)
12767	CakSNP12767	<i>Kabuli</i>	Ca_Kabuli_Chr07	25428660	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12768	CakSNP12768	<i>Kabuli</i>	Ca_Kabuli_Chr07	25569665	(T/G)
12769	CakSNP12769	<i>Kabuli</i>	Ca_Kabuli_Chr07	25569657	(T/C)
12770	CakSNP12770	<i>Kabuli</i>	Ca_Kabuli_Chr07	25740866	(G/T)
12771	CakSNP12771	<i>Kabuli</i>	Ca_Kabuli_Chr07	26070513	(G/T)
12772	CakSNP12772	<i>Kabuli</i>	Ca_Kabuli_Chr07	26070515	(A/G)
12773	CakSNP12773	<i>Kabuli</i>	Ca_Kabuli_Chr07	26094578	(T/C)
12774	CakSNP12774	<i>Kabuli</i>	Ca_Kabuli_Chr07	26094572	(C/T)
12775	CakSNP12775	<i>Kabuli</i>	Ca_Kabuli_Chr07	26094562	(G/T)
12776	CakSNP12776	<i>Kabuli</i>	Ca_Kabuli_Chr07	26094567	(G/A)
12777	CakSNP12777	<i>Kabuli</i>	Ca_Kabuli_Chr07	26094609	(C/T)
12778	CakSNP12778	<i>Kabuli</i>	Ca_Kabuli_Chr07	26137315	(T/C)
12779	CakSNP12779	<i>Kabuli</i>	Ca_Kabuli_Chr07	26146779	(C/T)
12780	CakSNP12780	<i>Kabuli</i>	Ca_Kabuli_Chr07	26226146	(G/C)
12781	CakSNP12781	<i>Kabuli</i>	Ca_Kabuli_Chr07	26487440	(A/C)
12782	CakSNP12782	<i>Kabuli</i>	Ca_Kabuli_Chr07	26692131	(T/G)
12783	CakSNP12783	<i>Kabuli</i>	Ca_Kabuli_Chr07	26692130	(C/T)
12784	CakSNP12784	<i>Kabuli</i>	Ca_Kabuli_Chr07	26692128	(A/C)
12785	CakSNP12785	<i>Kabuli</i>	Ca_Kabuli_Chr07	26692194	(C/A)
12786	CakSNP12786	<i>Kabuli</i>	Ca_Kabuli_Chr07	26692195	(G/T)
12787	CakSNP12787	<i>Kabuli</i>	Ca_Kabuli_Chr07	26694365	(G/A)
12788	CakSNP12788	<i>Kabuli</i>	Ca_Kabuli_Chr07	26694440	(C/A)
12789	CakSNP12789	<i>Kabuli</i>	Ca_Kabuli_Chr07	26694441	(G/A)
12790	CakSNP12790	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897878	(A/G)
12791	CakSNP12791	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897910	(A/G)
12792	CakSNP12792	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897920	(A/G)
12793	CakSNP12793	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897923	(G/A)
12794	CakSNP12794	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897929	(T/C)
12795	CakSNP12795	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897940	(A/G)
12796	CakSNP12796	<i>Kabuli</i>	Ca_Kabuli_Chr07	26897948	(A/T)
12797	CakSNP12797	<i>Kabuli</i>	Ca_Kabuli_Chr07	26940917	(G/A)
12798	CakSNP12798	<i>Kabuli</i>	Ca_Kabuli_Chr07	26940967	(A/G)
12799	CakSNP12799	<i>Kabuli</i>	Ca_Kabuli_Chr07	26940979	(A/G)
12800	CakSNP12800	<i>Kabuli</i>	Ca_Kabuli_Chr07	26940985	(T/G)
12801	CakSNP12801	<i>Kabuli</i>	Ca_Kabuli_Chr07	27050259	(C/G)
12802	CakSNP12802	<i>Kabuli</i>	Ca_Kabuli_Chr07	27176481	(C/A)
12803	CakSNP12803	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210919	(C/T)
12804	CakSNP12804	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210881	(C/T)
12805	CakSNP12805	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210871	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12806	CakSNP12806	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210865	(T/C)
12807	CakSNP12807	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210858	(C/T)
12808	CakSNP12808	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210853	(A/G)
12809	CakSNP12809	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210848	(A/T)
12810	CakSNP12810	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210951	(T/C)
12811	CakSNP12811	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210945	(C/T)
12812	CakSNP12812	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210988	(C/T)
12813	CakSNP12813	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210989	(C/T)
12814	CakSNP12814	<i>Kabuli</i>	Ca_Kabuli_Chr07	27210992	(C/A)
12815	CakSNP12815	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211004	(T/C)
12816	CakSNP12816	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211036	(G/A)
12817	CakSNP12817	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211051	(C/A)
12818	CakSNP12818	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211084	(G/T)
12819	CakSNP12819	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211073	(C/T)
12820	CakSNP12820	<i>Kabuli</i>	Ca_Kabuli_Chr07	27211060	(C/T)
12821	CakSNP12821	<i>Kabuli</i>	Ca_Kabuli_Chr07	27633960	(C/A)
12822	CakSNP12822	<i>Kabuli</i>	Ca_Kabuli_Chr07	27735234	(A/G)
12823	CakSNP12823	<i>Kabuli</i>	Ca_Kabuli_Chr07	27899782	(T/C)
12824	CakSNP12824	<i>Kabuli</i>	Ca_Kabuli_Chr07	27899743	(G/A)
12825	CakSNP12825	<i>Kabuli</i>	Ca_Kabuli_Chr07	27971186	(T/G)
12826	CakSNP12826	<i>Kabuli</i>	Ca_Kabuli_Chr07	28676139	(T/C)
12827	CakSNP12827	<i>Kabuli</i>	Ca_Kabuli_Chr07	28931212	(A/C)
12828	CakSNP12828	<i>Kabuli</i>	Ca_Kabuli_Chr07	28931223	(C/A)
12829	CakSNP12829	<i>Kabuli</i>	Ca_Kabuli_Chr07	29150927	(A/C)
12830	CakSNP12830	<i>Kabuli</i>	Ca_Kabuli_Chr07	29153994	(T/C)
12831	CakSNP12831	<i>Kabuli</i>	Ca_Kabuli_Chr07	29154220	(C/A)
12832	CakSNP12832	<i>Kabuli</i>	Ca_Kabuli_Chr07	29157286	(A/G)
12833	CakSNP12833	<i>Kabuli</i>	Ca_Kabuli_Chr07	29168982	(G/A)
12834	CakSNP12834	<i>Kabuli</i>	Ca_Kabuli_Chr07	29168980	(C/T)
12835	CakSNP12835	<i>Kabuli</i>	Ca_Kabuli_Chr07	29190659	(T/G)
12836	CakSNP12836	<i>Kabuli</i>	Ca_Kabuli_Chr07	29225385	(T/G)
12837	CakSNP12837	<i>Kabuli</i>	Ca_Kabuli_Chr07	29225351	(T/G)
12838	CakSNP12838	<i>Kabuli</i>	Ca_Kabuli_Chr07	29225348	(G/C)
12839	CakSNP12839	<i>Kabuli</i>	Ca_Kabuli_Chr07	29229965	(A/G)
12840	CakSNP12840	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313114	(G/T)
12841	CakSNP12841	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313080	(T/C)
12842	CakSNP12842	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313067	(G/T)
12843	CakSNP12843	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313059	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12844	CakSNP12844	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313058	(T/C)
12845	CakSNP12845	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313051	(T/C)
12846	CakSNP12846	<i>Kabuli</i>	Ca_Kabuli_Chr07	29313257	(G/A)
12847	CakSNP12847	<i>Kabuli</i>	Ca_Kabuli_Chr07	29434818	(T/C)
12848	CakSNP12848	<i>Kabuli</i>	Ca_Kabuli_Chr07	29482556	(G/A)
12849	CakSNP12849	<i>Kabuli</i>	Ca_Kabuli_Chr07	29484304	(G/A)
12850	CakSNP12850	<i>Kabuli</i>	Ca_Kabuli_Chr07	29607943	(C/T)
12851	CakSNP12851	<i>Kabuli</i>	Ca_Kabuli_Chr07	29613699	(C/T)
12852	CakSNP12852	<i>Kabuli</i>	Ca_Kabuli_Chr07	29625884	(T/C)
12853	CakSNP12853	<i>Kabuli</i>	Ca_Kabuli_Chr07	29705531	(T/G)
12854	CakSNP12854	<i>Kabuli</i>	Ca_Kabuli_Chr07	29705499	(T/C)
12855	CakSNP12855	<i>Kabuli</i>	Ca_Kabuli_Chr07	29796564	(G/T)
12856	CakSNP12856	<i>Kabuli</i>	Ca_Kabuli_Chr07	29801148	(A/G)
12857	CakSNP12857	<i>Kabuli</i>	Ca_Kabuli_Chr07	29801154	(T/C)
12858	CakSNP12858	<i>Kabuli</i>	Ca_Kabuli_Chr07	29837035	(G/A)
12859	CakSNP12859	<i>Kabuli</i>	Ca_Kabuli_Chr07	29838073	(C/T)
12860	CakSNP12860	<i>Kabuli</i>	Ca_Kabuli_Chr07	29848248	(T/C)
12861	CakSNP12861	<i>Kabuli</i>	Ca_Kabuli_Chr07	29848433	(C/T)
12862	CakSNP12862	<i>Kabuli</i>	Ca_Kabuli_Chr07	29849509	(C/T)
12863	CakSNP12863	<i>Kabuli</i>	Ca_Kabuli_Chr07	29849544	(A/G)
12864	CakSNP12864	<i>Kabuli</i>	Ca_Kabuli_Chr07	29884719	(G/T)
12865	CakSNP12865	<i>Kabuli</i>	Ca_Kabuli_Chr07	29884718	(C/A)
12866	CakSNP12866	<i>Kabuli</i>	Ca_Kabuli_Chr07	29925008	(G/A)
12867	CakSNP12867	<i>Kabuli</i>	Ca_Kabuli_Chr07	30004767	(C/T)
12868	CakSNP12868	<i>Kabuli</i>	Ca_Kabuli_Chr07	30004934	(A/C)
12869	CakSNP12869	<i>Kabuli</i>	Ca_Kabuli_Chr07	30026039	(T/G)
12870	CakSNP12870	<i>Kabuli</i>	Ca_Kabuli_Chr07	30026017	(C/T)
12871	CakSNP12871	<i>Kabuli</i>	Ca_Kabuli_Chr07	30029793	(A/C)
12872	CakSNP12872	<i>Kabuli</i>	Ca_Kabuli_Chr07	30029820	(T/C)
12873	CakSNP12873	<i>Kabuli</i>	Ca_Kabuli_Chr07	30060299	(C/A)
12874	CakSNP12874	<i>Kabuli</i>	Ca_Kabuli_Chr07	30085847	(C/T)
12875	CakSNP12875	<i>Kabuli</i>	Ca_Kabuli_Chr07	30085883	(T/G)
12876	CakSNP12876	<i>Kabuli</i>	Ca_Kabuli_Chr07	30085906	(C/T)
12877	CakSNP12877	<i>Kabuli</i>	Ca_Kabuli_Chr07	30085910	(T/A)
12878	CakSNP12878	<i>Kabuli</i>	Ca_Kabuli_Chr07	30099003	(C/T)
12879	CakSNP12879	<i>Kabuli</i>	Ca_Kabuli_Chr07	30107340	(A/G)
12880	CakSNP12880	<i>Kabuli</i>	Ca_Kabuli_Chr07	30398855	(A/C)
12881	CakSNP12881	<i>Kabuli</i>	Ca_Kabuli_Chr07	30403615	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12882	CakSNP12882	<i>Kabuli</i>	Ca_Kabuli_Chr07	30403618	(G/A)
12883	CakSNP12883	<i>Kabuli</i>	Ca_Kabuli_Chr07	30403700	(C/T)
12884	CakSNP12884	<i>Kabuli</i>	Ca_Kabuli_Chr07	30403692	(G/A)
12885	CakSNP12885	<i>Kabuli</i>	Ca_Kabuli_Chr07	30403621	(G/T)
12886	CakSNP12886	<i>Kabuli</i>	Ca_Kabuli_Chr07	30691324	(A/C)
12887	CakSNP12887	<i>Kabuli</i>	Ca_Kabuli_Chr07	30691318	(A/C)
12888	CakSNP12888	<i>Kabuli</i>	Ca_Kabuli_Chr07	30768315	(G/A)
12889	CakSNP12889	<i>Kabuli</i>	Ca_Kabuli_Chr07	30850950	(A/C)
12890	CakSNP12890	<i>Kabuli</i>	Ca_Kabuli_Chr07	31190059	(G/A)
12891	CakSNP12891	<i>Kabuli</i>	Ca_Kabuli_Chr07	31193786	(T/G)
12892	CakSNP12892	<i>Kabuli</i>	Ca_Kabuli_Chr07	31314421	(T/A)
12893	CakSNP12893	<i>Kabuli</i>	Ca_Kabuli_Chr07	31324279	(A/G)
12894	CakSNP12894	<i>Kabuli</i>	Ca_Kabuli_Chr07	31401807	(T/C)
12895	CakSNP12895	<i>Kabuli</i>	Ca_Kabuli_Chr07	31442425	(A/C)
12896	CakSNP12896	<i>Kabuli</i>	Ca_Kabuli_Chr07	31612697	(T/A)
12897	CakSNP12897	<i>Kabuli</i>	Ca_Kabuli_Chr07	31639701	(C/T)
12898	CakSNP12898	<i>Kabuli</i>	Ca_Kabuli_Chr07	31830238	(A/G)
12899	CakSNP12899	<i>Kabuli</i>	Ca_Kabuli_Chr07	31851096	(T/A)
12900	CakSNP12900	<i>Kabuli</i>	Ca_Kabuli_Chr07	31873079	(G/T)
12901	CakSNP12901	<i>Kabuli</i>	Ca_Kabuli_Chr07	31996345	(A/C)
12902	CakSNP12902	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017294	(G/A)
12903	CakSNP12903	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017288	(G/T)
12904	CakSNP12904	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017286	(T/G)
12905	CakSNP12905	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017284	(C/T)
12906	CakSNP12906	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017253	(G/A)
12907	CakSNP12907	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017252	(G/A)
12908	CakSNP12908	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017238	(C/T)
12909	CakSNP12909	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017228	(G/A)
12910	CakSNP12910	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017221	(C/T)
12911	CakSNP12911	<i>Kabuli</i>	Ca_Kabuli_Chr07	32017211	(C/A)
12912	CakSNP12912	<i>Kabuli</i>	Ca_Kabuli_Chr07	32127288	(T/A)
12913	CakSNP12913	<i>Kabuli</i>	Ca_Kabuli_Chr07	32283585	(T/G)
12914	CakSNP12914	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309397	(A/T)
12915	CakSNP12915	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309411	(G/T)
12916	CakSNP12916	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309415	(C/T)
12917	CakSNP12917	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309429	(C/T)
12918	CakSNP12918	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309377	(C/T)
12919	CakSNP12919	<i>Kabuli</i>	Ca_Kabuli_Chr07	32309376	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12920	CakSNP12920	<i>Kabuli</i>	Ca_Kabuli_Chr07	32399759	(C/T)
12921	CakSNP12921	<i>Kabuli</i>	Ca_Kabuli_Chr07	32404932	(T/C)
12922	CakSNP12922	<i>Kabuli</i>	Ca_Kabuli_Chr07	32451377	(A/C)
12923	CakSNP12923	<i>Kabuli</i>	Ca_Kabuli_Chr07	32522201	(A/G)
12924	CakSNP12924	<i>Kabuli</i>	Ca_Kabuli_Chr07	32522203	(A/G)
12925	CakSNP12925	<i>Kabuli</i>	Ca_Kabuli_Chr07	32522207	(T/G)
12926	CakSNP12926	<i>Kabuli</i>	Ca_Kabuli_Chr07	32522213	(A/G)
12927	CakSNP12927	<i>Kabuli</i>	Ca_Kabuli_Chr07	32522230	(T/G)
12928	CakSNP12928	<i>Kabuli</i>	Ca_Kabuli_Chr07	32557599	(G/A)
12929	CakSNP12929	<i>Kabuli</i>	Ca_Kabuli_Chr07	32669570	(A/G)
12930	CakSNP12930	<i>Kabuli</i>	Ca_Kabuli_Chr07	32754633	(T/G)
12931	CakSNP12931	<i>Kabuli</i>	Ca_Kabuli_Chr07	32755647	(A/C)
12932	CakSNP12932	<i>Kabuli</i>	Ca_Kabuli_Chr07	32755662	(G/T)
12933	CakSNP12933	<i>Kabuli</i>	Ca_Kabuli_Chr07	32784903	(T/G)
12934	CakSNP12934	<i>Kabuli</i>	Ca_Kabuli_Chr07	32799037	(A/G)
12935	CakSNP12935	<i>Kabuli</i>	Ca_Kabuli_Chr07	32807457	(T/A)
12936	CakSNP12936	<i>Kabuli</i>	Ca_Kabuli_Chr07	32807499	(A/G)
12937	CakSNP12937	<i>Kabuli</i>	Ca_Kabuli_Chr07	32874847	(C/T)
12938	CakSNP12938	<i>Kabuli</i>	Ca_Kabuli_Chr07	32874840	(C/T)
12939	CakSNP12939	<i>Kabuli</i>	Ca_Kabuli_Chr07	32875799	(T/A)
12940	CakSNP12940	<i>Kabuli</i>	Ca_Kabuli_Chr07	32942199	(A/G)
12941	CakSNP12941	<i>Kabuli</i>	Ca_Kabuli_Chr07	32942951	(T/G)
12942	CakSNP12942	<i>Kabuli</i>	Ca_Kabuli_Chr07	32989796	(T/A)
12943	CakSNP12943	<i>Kabuli</i>	Ca_Kabuli_Chr07	32989838	(C/T)
12944	CakSNP12944	<i>Kabuli</i>	Ca_Kabuli_Chr07	32989903	(A/G)
12945	CakSNP12945	<i>Kabuli</i>	Ca_Kabuli_Chr07	32989902	(C/A)
12946	CakSNP12946	<i>Kabuli</i>	Ca_Kabuli_Chr07	33065611	(G/T)
12947	CakSNP12947	<i>Kabuli</i>	Ca_Kabuli_Chr07	33121674	(G/C)
12948	CakSNP12948	<i>Kabuli</i>	Ca_Kabuli_Chr07	33121640	(C/A)
12949	CakSNP12949	<i>Kabuli</i>	Ca_Kabuli_Chr07	33122473	(A/C)
12950	CakSNP12950	<i>Kabuli</i>	Ca_Kabuli_Chr07	33182932	(G/A)
12951	CakSNP12951	<i>Kabuli</i>	Ca_Kabuli_Chr07	33267485	(T/C)
12952	CakSNP12952	<i>Kabuli</i>	Ca_Kabuli_Chr07	33267496	(T/A)
12953	CakSNP12953	<i>Kabuli</i>	Ca_Kabuli_Chr07	33335978	(C/A)
12954	CakSNP12954	<i>Kabuli</i>	Ca_Kabuli_Chr07	33364329	(C/T)
12955	CakSNP12955	<i>Kabuli</i>	Ca_Kabuli_Chr07	33364354	(G/A)
12956	CakSNP12956	<i>Kabuli</i>	Ca_Kabuli_Chr07	33378427	(C/T)
12957	CakSNP12957	<i>Kabuli</i>	Ca_Kabuli_Chr07	33411746	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12958	CakSNP12958	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465828	(C/A)
12959	CakSNP12959	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465818	(G/A)
12960	CakSNP12960	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465805	(T/C)
12961	CakSNP12961	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465802	(C/A)
12962	CakSNP12962	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465800	(T/A)
12963	CakSNP12963	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465781	(G/T)
12964	CakSNP12964	<i>Kabuli</i>	Ca_Kabuli_Chr07	33465855	(A/C)
12965	CakSNP12965	<i>Kabuli</i>	Ca_Kabuli_Chr07	33480940	(C/T)
12966	CakSNP12966	<i>Kabuli</i>	Ca_Kabuli_Chr07	33573605	(C/T)
12967	CakSNP12967	<i>Kabuli</i>	Ca_Kabuli_Chr07	33573655	(A/C)
12968	CakSNP12968	<i>Kabuli</i>	Ca_Kabuli_Chr07	33619268	(G/C)
12969	CakSNP12969	<i>Kabuli</i>	Ca_Kabuli_Chr07	33641799	(G/T)
12970	CakSNP12970	<i>Kabuli</i>	Ca_Kabuli_Chr07	33641882	(A/T)
12971	CakSNP12971	<i>Kabuli</i>	Ca_Kabuli_Chr07	33674454	(T/C)
12972	CakSNP12972	<i>Kabuli</i>	Ca_Kabuli_Chr07	33744521	(C/G)
12973	CakSNP12973	<i>Kabuli</i>	Ca_Kabuli_Chr07	33753917	(G/A)
12974	CakSNP12974	<i>Kabuli</i>	Ca_Kabuli_Chr07	33761944	(G/A)
12975	CakSNP12975	<i>Kabuli</i>	Ca_Kabuli_Chr07	33762053	(T/G)
12976	CakSNP12976	<i>Kabuli</i>	Ca_Kabuli_Chr07	33821658	(C/T)
12977	CakSNP12977	<i>Kabuli</i>	Ca_Kabuli_Chr07	33865463	(T/C)
12978	CakSNP12978	<i>Kabuli</i>	Ca_Kabuli_Chr07	33865475	(G/A)
12979	CakSNP12979	<i>Kabuli</i>	Ca_Kabuli_Chr07	33867334	(C/T)
12980	CakSNP12980	<i>Kabuli</i>	Ca_Kabuli_Chr07	33867491	(C/T)
12981	CakSNP12981	<i>Kabuli</i>	Ca_Kabuli_Chr07	33867674	(C/T)
12982	CakSNP12982	<i>Kabuli</i>	Ca_Kabuli_Chr07	33869367	(G/A)
12983	CakSNP12983	<i>Kabuli</i>	Ca_Kabuli_Chr07	33879559	(C/G)
12984	CakSNP12984	<i>Kabuli</i>	Ca_Kabuli_Chr07	33910324	(C/A)
12985	CakSNP12985	<i>Kabuli</i>	Ca_Kabuli_Chr07	33910870	(C/A)
12986	CakSNP12986	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912719	(T/G)
12987	CakSNP12987	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912766	(G/T)
12988	CakSNP12988	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912866	(T/C)
12989	CakSNP12989	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912899	(T/A)
12990	CakSNP12990	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912902	(A/T)
12991	CakSNP12991	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912913	(A/T)
12992	CakSNP12992	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912916	(G/T)
12993	CakSNP12993	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912921	(T/G)
12994	CakSNP12994	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912950	(C/T)
12995	CakSNP12995	<i>Kabuli</i>	Ca_Kabuli_Chr07	33912966	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12996	CakSNP12996	<i>Kabuli</i>	Ca_Kabuli_Chr07	33913094	(A/G)
12997	CakSNP12997	<i>Kabuli</i>	Ca_Kabuli_Chr07	33913047	(C/T)
12998	CakSNP12998	<i>Kabuli</i>	Ca_Kabuli_Chr07	33913045	(G/T)
12999	CakSNP12999	<i>Kabuli</i>	Ca_Kabuli_Chr07	34107603	(C/A)
13000	CakSNP13000	<i>Kabuli</i>	Ca_Kabuli_Chr07	34152124	(G/C)
13001	CakSNP13001	<i>Kabuli</i>	Ca_Kabuli_Chr07	34271486	(A/G)
13002	CakSNP13002	<i>Kabuli</i>	Ca_Kabuli_Chr07	34277014	(G/T)
13003	CakSNP13003	<i>Kabuli</i>	Ca_Kabuli_Chr07	34277010	(A/G)
13004	CakSNP13004	<i>Kabuli</i>	Ca_Kabuli_Chr07	34279673	(G/A)
13005	CakSNP13005	<i>Kabuli</i>	Ca_Kabuli_Chr07	34279725	(A/G)
13006	CakSNP13006	<i>Kabuli</i>	Ca_Kabuli_Chr07	34279715	(A/C)
13007	CakSNP13007	<i>Kabuli</i>	Ca_Kabuli_Chr07	34318860	(C/T)
13008	CakSNP13008	<i>Kabuli</i>	Ca_Kabuli_Chr07	34318862	(A/G)
13009	CakSNP13009	<i>Kabuli</i>	Ca_Kabuli_Chr07	34474614	(A/C)
13010	CakSNP13010	<i>Kabuli</i>	Ca_Kabuli_Chr07	34801839	(A/T)
13011	CakSNP13011	<i>Kabuli</i>	Ca_Kabuli_Chr07	34857693	(C/T)
13012	CakSNP13012	<i>Kabuli</i>	Ca_Kabuli_Chr07	34947743	(A/C)
13013	CakSNP13013	<i>Kabuli</i>	Ca_Kabuli_Chr07	35016516	(G/C)
13014	CakSNP13014	<i>Kabuli</i>	Ca_Kabuli_Chr07	35072425	(A/T)
13015	CakSNP13015	<i>Kabuli</i>	Ca_Kabuli_Chr07	35072407	(G/A)
13016	CakSNP13016	<i>Kabuli</i>	Ca_Kabuli_Chr07	35072461	(A/T)
13017	CakSNP13017	<i>Kabuli</i>	Ca_Kabuli_Chr07	35074345	(T/A)
13018	CakSNP13018	<i>Kabuli</i>	Ca_Kabuli_Chr07	35074348	(T/C)
13019	CakSNP13019	<i>Kabuli</i>	Ca_Kabuli_Chr07	35074362	(T/C)
13020	CakSNP13020	<i>Kabuli</i>	Ca_Kabuli_Chr07	35112785	(T/C)
13021	CakSNP13021	<i>Kabuli</i>	Ca_Kabuli_Chr07	35114049	(C/T)
13022	CakSNP13022	<i>Kabuli</i>	Ca_Kabuli_Chr07	35134809	(A/C)
13023	CakSNP13023	<i>Kabuli</i>	Ca_Kabuli_Chr07	35134863	(T/C)
13024	CakSNP13024	<i>Kabuli</i>	Ca_Kabuli_Chr07	35181619	(T/G)
13025	CakSNP13025	<i>Kabuli</i>	Ca_Kabuli_Chr07	35181661	(T/C)
13026	CakSNP13026	<i>Kabuli</i>	Ca_Kabuli_Chr07	35181660	(G/A)
13027	CakSNP13027	<i>Kabuli</i>	Ca_Kabuli_Chr07	35181635	(G/C)
13028	CakSNP13028	<i>Kabuli</i>	Ca_Kabuli_Chr07	35227794	(A/C)
13029	CakSNP13029	<i>Kabuli</i>	Ca_Kabuli_Chr07	35258029	(T/G)
13030	CakSNP13030	<i>Kabuli</i>	Ca_Kabuli_Chr07	35263711	(A/T)
13031	CakSNP13031	<i>Kabuli</i>	Ca_Kabuli_Chr07	35263712	(G/T)
13032	CakSNP13032	<i>Kabuli</i>	Ca_Kabuli_Chr07	35263736	(C/G)
13033	CakSNP13033	<i>Kabuli</i>	Ca_Kabuli_Chr07	35263758	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13034	CakSNP13034	<i>Kabuli</i>	Ca_Kabuli_Chr07	35274368	(A/G)
13035	CakSNP13035	<i>Kabuli</i>	Ca_Kabuli_Chr07	35274859	(T/G)
13036	CakSNP13036	<i>Kabuli</i>	Ca_Kabuli_Chr07	35274858	(G/A)
13037	CakSNP13037	<i>Kabuli</i>	Ca_Kabuli_Chr07	35274828	(A/G)
13038	CakSNP13038	<i>Kabuli</i>	Ca_Kabuli_Chr07	35279675	(A/G)
13039	CakSNP13039	<i>Kabuli</i>	Ca_Kabuli_Chr07	35280189	(G/A)
13040	CakSNP13040	<i>Kabuli</i>	Ca_Kabuli_Chr07	35280167	(A/G)
13041	CakSNP13041	<i>Kabuli</i>	Ca_Kabuli_Chr07	35576427	(C/A)
13042	CakSNP13042	<i>Kabuli</i>	Ca_Kabuli_Chr07	35619530	(G/A)
13043	CakSNP13043	<i>Kabuli</i>	Ca_Kabuli_Chr07	35619487	(G/A)
13044	CakSNP13044	<i>Kabuli</i>	Ca_Kabuli_Chr07	35619518	(G/C)
13045	CakSNP13045	<i>Kabuli</i>	Ca_Kabuli_Chr07	35622168	(A/G)
13046	CakSNP13046	<i>Kabuli</i>	Ca_Kabuli_Chr07	35637056	(T/C)
13047	CakSNP13047	<i>Kabuli</i>	Ca_Kabuli_Chr07	35680423	(A/C)
13048	CakSNP13048	<i>Kabuli</i>	Ca_Kabuli_Chr07	35799096	(A/C)
13049	CakSNP13049	<i>Kabuli</i>	Ca_Kabuli_Chr07	35799083	(T/A)
13050	CakSNP13050	<i>Kabuli</i>	Ca_Kabuli_Chr07	35799074	(G/C)
13051	CakSNP13051	<i>Kabuli</i>	Ca_Kabuli_Chr07	35799073	(T/C)
13052	CakSNP13052	<i>Kabuli</i>	Ca_Kabuli_Chr07	35807000	(A/G)
13053	CakSNP13053	<i>Kabuli</i>	Ca_Kabuli_Chr07	35806999	(C/G)
13054	CakSNP13054	<i>Kabuli</i>	Ca_Kabuli_Chr07	35806990	(A/T)
13055	CakSNP13055	<i>Kabuli</i>	Ca_Kabuli_Chr07	35806977	(T/G)
13056	CakSNP13056	<i>Kabuli</i>	Ca_Kabuli_Chr07	35911620	(T/G)
13057	CakSNP13057	<i>Kabuli</i>	Ca_Kabuli_Chr07	35911617	(A/C)
13058	CakSNP13058	<i>Kabuli</i>	Ca_Kabuli_Chr07	35911615	(C/T)
13059	CakSNP13059	<i>Kabuli</i>	Ca_Kabuli_Chr07	35911612	(T/G)
13060	CakSNP13060	<i>Kabuli</i>	Ca_Kabuli_Chr07	35911606	(T/C)
13061	CakSNP13061	<i>Kabuli</i>	Ca_Kabuli_Chr07	35947529	(T/C)
13062	CakSNP13062	<i>Kabuli</i>	Ca_Kabuli_Chr07	35947550	(C/T)
13063	CakSNP13063	<i>Kabuli</i>	Ca_Kabuli_Chr07	35947551	(A/G)
13064	CakSNP13064	<i>Kabuli</i>	Ca_Kabuli_Chr07	35959805	(C/T)
13065	CakSNP13065	<i>Kabuli</i>	Ca_Kabuli_Chr07	35959825	(G/A)
13066	CakSNP13066	<i>Kabuli</i>	Ca_Kabuli_Chr07	35959878	(G/A)
13067	CakSNP13067	<i>Kabuli</i>	Ca_Kabuli_Chr07	35959917	(C/T)
13068	CakSNP13068	<i>Kabuli</i>	Ca_Kabuli_Chr07	35959865	(T/C)
13069	CakSNP13069	<i>Kabuli</i>	Ca_Kabuli_Chr07	36711954	(C/A)
13070	CakSNP13070	<i>Kabuli</i>	Ca_Kabuli_Chr07	36715249	(T/C)
13071	CakSNP13071	<i>Kabuli</i>	Ca_Kabuli_Chr07	36745439	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13072	CakSNP13072	<i>Kabuli</i>	Ca_Kabuli_Chr07	36916272	(T/G)
13073	CakSNP13073	<i>Kabuli</i>	Ca_Kabuli_Chr07	36916273	(T/A)
13074	CakSNP13074	<i>Kabuli</i>	Ca_Kabuli_Chr07	36998096	(T/C)
13075	CakSNP13075	<i>Kabuli</i>	Ca_Kabuli_Chr07	36998113	(C/T)
13076	CakSNP13076	<i>Kabuli</i>	Ca_Kabuli_Chr07	37058979	(C/T)
13077	CakSNP13077	<i>Kabuli</i>	Ca_Kabuli_Chr07	37187439	(A/G)
13078	CakSNP13078	<i>Kabuli</i>	Ca_Kabuli_Chr07	37626729	(G/T)
13079	CakSNP13079	<i>Kabuli</i>	Ca_Kabuli_Chr07	37626653	(A/C)
13080	CakSNP13080	<i>Kabuli</i>	Ca_Kabuli_Chr07	37626687	(A/G)
13081	CakSNP13081	<i>Kabuli</i>	Ca_Kabuli_Chr07	37626666	(C/T)
13082	CakSNP13082	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703967	(G/A)
13083	CakSNP13083	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703966	(C/T)
13084	CakSNP13084	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703965	(C/T)
13085	CakSNP13085	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703921	(G/T)
13086	CakSNP13086	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703912	(G/A)
13087	CakSNP13087	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703913	(C/G)
13088	CakSNP13088	<i>Kabuli</i>	Ca_Kabuli_Chr07	37703936	(C/T)
13089	CakSNP13089	<i>Kabuli</i>	Ca_Kabuli_Chr07	37857936	(G/T)
13090	CakSNP13090	<i>Kabuli</i>	Ca_Kabuli_Chr07	37857928	(A/T)
13091	CakSNP13091	<i>Kabuli</i>	Ca_Kabuli_Chr07	37857917	(G/A)
13092	CakSNP13092	<i>Kabuli</i>	Ca_Kabuli_Chr07	37857885	(C/T)
13093	CakSNP13093	<i>Kabuli</i>	Ca_Kabuli_Chr07	38047374	(A/G)
13094	CakSNP13094	<i>Kabuli</i>	Ca_Kabuli_Chr07	38047378	(C/A)
13095	CakSNP13095	<i>Kabuli</i>	Ca_Kabuli_Chr07	38143361	(A/G)
13096	CakSNP13096	<i>Kabuli</i>	Ca_Kabuli_Chr07	38143524	(T/A)
13097	CakSNP13097	<i>Kabuli</i>	Ca_Kabuli_Chr07	38143452	(G/A)
13098	CakSNP13098	<i>Kabuli</i>	Ca_Kabuli_Chr07	38460464	(G/A)
13099	CakSNP13099	<i>Kabuli</i>	Ca_Kabuli_Chr07	38460452	(C/T)
13100	CakSNP13100	<i>Kabuli</i>	Ca_Kabuli_Chr07	38460425	(G/A)
13101	CakSNP13101	<i>Kabuli</i>	Ca_Kabuli_Chr07	38460394	(C/A)
13102	CakSNP13102	<i>Kabuli</i>	Ca_Kabuli_Chr07	39181880	(G/A)
13103	CakSNP13103	<i>Kabuli</i>	Ca_Kabuli_Chr07	39182564	(A/T)
13104	CakSNP13104	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339510	(T/G)
13105	CakSNP13105	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339509	(G/A)
13106	CakSNP13106	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339508	(G/A)
13107	CakSNP13107	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339503	(C/A)
13108	CakSNP13108	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339502	(C/A)
13109	CakSNP13109	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339501	(G/C)

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13110	CakSNP13110	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339500	(G/T)
13111	CakSNP13111	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339499	(C/T)
13112	CakSNP13112	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339498	(G/T)
13113	CakSNP13113	<i>Kabuli</i>	Ca_Kabuli_Chr07	39339495	(G/T)
13114	CakSNP13114	<i>Kabuli</i>	Ca_Kabuli_Chr07	39399280	(T/C)
13115	CakSNP13115	<i>Kabuli</i>	Ca_Kabuli_Chr07	39680221	(A/C)
13116	CakSNP13116	<i>Kabuli</i>	Ca_Kabuli_Chr07	39680222	(G/A)
13117	CakSNP13117	<i>Kabuli</i>	Ca_Kabuli_Chr07	39768248	(T/C)
13118	CakSNP13118	<i>Kabuli</i>	Ca_Kabuli_Chr07	39944444	(T/C)
13119	CakSNP13119	<i>Kabuli</i>	Ca_Kabuli_Chr07	39944937	(T/C)
13120	CakSNP13120	<i>Kabuli</i>	Ca_Kabuli_Chr07	39944889	(T/C)
13121	CakSNP13121	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092198	(G/A)
13122	CakSNP13122	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092181	(C/T)
13123	CakSNP13123	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092218	(A/T)
13124	CakSNP13124	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092213	(G/A)
13125	CakSNP13125	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092163	(T/C)
13126	CakSNP13126	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092155	(T/A)
13127	CakSNP13127	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092156	(C/A)
13128	CakSNP13128	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092168	(G/A)
13129	CakSNP13129	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092201	(G/A)
13130	CakSNP13130	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092203	(T/G)
13131	CakSNP13131	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092211	(C/T)
13132	CakSNP13132	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092214	(C/G)
13133	CakSNP13133	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092229	(C/A)
13134	CakSNP13134	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092237	(C/T)
13135	CakSNP13135	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092239	(G/A)
13136	CakSNP13136	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092250	(A/C)
13137	CakSNP13137	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092253	(C/T)
13138	CakSNP13138	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092256	(T/C)
13139	CakSNP13139	<i>Kabuli</i>	Ca_Kabuli_Chr07	40092267	(G/C)
13140	CakSNP13140	<i>Kabuli</i>	Ca_Kabuli_Chr07	40183449	(C/A)
13141	CakSNP13141	<i>Kabuli</i>	Ca_Kabuli_Chr07	40183452	(A/C)
13142	CakSNP13142	<i>Kabuli</i>	Ca_Kabuli_Chr07	40241674	(A/C)
13143	CakSNP13143	<i>Kabuli</i>	Ca_Kabuli_Chr07	40242539	(A/G)
13144	CakSNP13144	<i>Kabuli</i>	Ca_Kabuli_Chr07	40242765	(A/G)
13145	CakSNP13145	<i>Kabuli</i>	Ca_Kabuli_Chr07	40243784	(G/A)
13146	CakSNP13146	<i>Kabuli</i>	Ca_Kabuli_Chr07	40323213	(C/A)
13147	CakSNP13147	<i>Kabuli</i>	Ca_Kabuli_Chr07	40323251	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13148	CakSNP13148	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429548	(A/G)
13149	CakSNP13149	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429552	(C/T)
13150	CakSNP13150	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429564	(G/T)
13151	CakSNP13151	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429573	(G/T)
13152	CakSNP13152	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429629	(G/T)
13153	CakSNP13153	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429621	(G/T)
13154	CakSNP13154	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429604	(C/T)
13155	CakSNP13155	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429600	(C/T)
13156	CakSNP13156	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429596	(G/A)
13157	CakSNP13157	<i>Kabuli</i>	Ca_Kabuli_Chr07	40429567	(G/A)
13158	CakSNP13158	<i>Kabuli</i>	Ca_Kabuli_Chr07	40456574	(T/C)
13159	CakSNP13159	<i>Kabuli</i>	Ca_Kabuli_Chr07	40645278	(A/G)
13160	CakSNP13160	<i>Kabuli</i>	Ca_Kabuli_Chr07	40645276	(A/G)
13161	CakSNP13161	<i>Kabuli</i>	Ca_Kabuli_Chr07	40645208	(C/G)
13162	CakSNP13162	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889596	(A/C)
13163	CakSNP13163	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889598	(C/G)
13164	CakSNP13164	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889623	(G/A)
13165	CakSNP13165	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889632	(C/T)
13166	CakSNP13166	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889633	(G/A)
13167	CakSNP13167	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889640	(G/A)
13168	CakSNP13168	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889641	(C/T)
13169	CakSNP13169	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889643	(G/A)
13170	CakSNP13170	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889648	(T/A)
13171	CakSNP13171	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889649	(G/A)
13172	CakSNP13172	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889673	(C/A)
13173	CakSNP13173	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889670	(C/T)
13174	CakSNP13174	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889723	(C/G)
13175	CakSNP13175	<i>Kabuli</i>	Ca_Kabuli_Chr07	40889684	(C/T)
13176	CakSNP13176	<i>Kabuli</i>	Ca_Kabuli_Chr07	41282883	(A/T)
13177	CakSNP13177	<i>Kabuli</i>	Ca_Kabuli_Chr07	41282961	(G/T)
13178	CakSNP13178	<i>Kabuli</i>	Ca_Kabuli_Chr07	41282960	(A/C)
13179	CakSNP13179	<i>Kabuli</i>	Ca_Kabuli_Chr07	41282957	(G/A)
13180	CakSNP13180	<i>Kabuli</i>	Ca_Kabuli_Chr07	41325886	(A/G)
13181	CakSNP13181	<i>Kabuli</i>	Ca_Kabuli_Chr07	41339748	(C/A)
13182	CakSNP13182	<i>Kabuli</i>	Ca_Kabuli_Chr07	41349604	(T/C)
13183	CakSNP13183	<i>Kabuli</i>	Ca_Kabuli_Chr07	41387509	(A/C)
13184	CakSNP13184	<i>Kabuli</i>	Ca_Kabuli_Chr07	41387502	(A/C)
13185	CakSNP13185	<i>Kabuli</i>	Ca_Kabuli_Chr07	41387475	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13186	CakSNP13186	<i>Kabuli</i>	Ca_Kabuli_Chr07	41657180	(G/T)
13187	CakSNP13187	<i>Kabuli</i>	Ca_Kabuli_Chr07	41657241	(T/C)
13188	CakSNP13188	<i>Kabuli</i>	Ca_Kabuli_Chr07	41821410	(T/C)
13189	CakSNP13189	<i>Kabuli</i>	Ca_Kabuli_Chr07	42166004	(C/T)
13190	CakSNP13190	<i>Kabuli</i>	Ca_Kabuli_Chr07	42268628	(A/C)
13191	CakSNP13191	<i>Kabuli</i>	Ca_Kabuli_Chr07	42272939	(G/C)
13192	CakSNP13192	<i>Kabuli</i>	Ca_Kabuli_Chr07	42355002	(T/G)
13193	CakSNP13193	<i>Kabuli</i>	Ca_Kabuli_Chr07	42354958	(G/A)
13194	CakSNP13194	<i>Kabuli</i>	Ca_Kabuli_Chr07	42354938	(C/T)
13195	CakSNP13195	<i>Kabuli</i>	Ca_Kabuli_Chr07	42354999	(C/T)
13196	CakSNP13196	<i>Kabuli</i>	Ca_Kabuli_Chr07	42355011	(G/T)
13197	CakSNP13197	<i>Kabuli</i>	Ca_Kabuli_Chr07	42566717	(A/G)
13198	CakSNP13198	<i>Kabuli</i>	Ca_Kabuli_Chr07	42846882	(C/T)
13199	CakSNP13199	<i>Kabuli</i>	Ca_Kabuli_Chr07	42851182	(T/C)
13200	CakSNP13200	<i>Kabuli</i>	Ca_Kabuli_Chr07	43080817	(T/C)
13201	CakSNP13201	<i>Kabuli</i>	Ca_Kabuli_Chr07	43118954	(A/C)
13202	CakSNP13202	<i>Kabuli</i>	Ca_Kabuli_Chr07	43119266	(C/T)
13203	CakSNP13203	<i>Kabuli</i>	Ca_Kabuli_Chr07	43210821	(A/T)
13204	CakSNP13204	<i>Kabuli</i>	Ca_Kabuli_Chr07	43646117	(G/A)
13205	CakSNP13205	<i>Kabuli</i>	Ca_Kabuli_Chr07	44232239	(G/A)
13206	CakSNP13206	<i>Kabuli</i>	Ca_Kabuli_Chr07	44232204	(T/A)
13207	CakSNP13207	<i>Kabuli</i>	Ca_Kabuli_Chr07	44232221	(C/T)
13208	CakSNP13208	<i>Kabuli</i>	Ca_Kabuli_Chr07	44232266	(C/T)
13209	CakSNP13209	<i>Kabuli</i>	Ca_Kabuli_Chr07	44540553	(T/G)
13210	CakSNP13210	<i>Kabuli</i>	Ca_Kabuli_Chr07	44540595	(G/A)
13211	CakSNP13211	<i>Kabuli</i>	Ca_Kabuli_Chr07	44540596	(C/A)
13212	CakSNP13212	<i>Kabuli</i>	Ca_Kabuli_Chr07	44540629	(G/A)
13213	CakSNP13213	<i>Kabuli</i>	Ca_Kabuli_Chr07	44540616	(C/A)
13214	CakSNP13214	<i>Kabuli</i>	Ca_Kabuli_Chr07	44612651	(C/A)
13215	CakSNP13215	<i>Kabuli</i>	Ca_Kabuli_Chr07	44747668	(C/T)
13216	CakSNP13216	<i>Kabuli</i>	Ca_Kabuli_Chr07	44765450	(C/T)
13217	CakSNP13217	<i>Kabuli</i>	Ca_Kabuli_Chr07	44765467	(G/T)
13218	CakSNP13218	<i>Kabuli</i>	Ca_Kabuli_Chr07	44765522	(A/C)
13219	CakSNP13219	<i>Kabuli</i>	Ca_Kabuli_Chr07	44877324	(A/C)
13220	CakSNP13220	<i>Kabuli</i>	Ca_Kabuli_Chr07	44926768	(C/T)
13221	CakSNP13221	<i>Kabuli</i>	Ca_Kabuli_Chr07	44926783	(C/A)
13222	CakSNP13222	<i>Kabuli</i>	Ca_Kabuli_Chr07	44926815	(C/T)
13223	CakSNP13223	<i>Kabuli</i>	Ca_Kabuli_Chr07	45147550	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13224	CakSNP13224	<i>Kabuli</i>	Ca_Kabuli_Chr07	45280659	(T/A)
13225	CakSNP13225	<i>Kabuli</i>	Ca_Kabuli_Chr07	45289633	(T/C)
13226	CakSNP13226	<i>Kabuli</i>	Ca_Kabuli_Chr07	45936581	(C/A)
13227	CakSNP13227	<i>Kabuli</i>	Ca_Kabuli_Chr07	46053109	(G/A)
13228	CakSNP13228	<i>Kabuli</i>	Ca_Kabuli_Chr07	46394656	(A/G)
13229	CakSNP13229	<i>Kabuli</i>	Ca_Kabuli_Chr07	46485934	(A/G)
13230	CakSNP13230	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747255	(A/C)
13231	CakSNP13231	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747283	(T/C)
13232	CakSNP13232	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747290	(G/T)
13233	CakSNP13233	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747295	(G/C)
13234	CakSNP13234	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747309	(C/T)
13235	CakSNP13235	<i>Kabuli</i>	Ca_Kabuli_Chr07	46747330	(G/A)
13236	CakSNP13236	<i>Kabuli</i>	Ca_Kabuli_Chr07	46823471	(T/G)
13237	CakSNP13237	<i>Kabuli</i>	Ca_Kabuli_Chr07	46823949	(G/T)
13238	CakSNP13238	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826036	(T/A)
13239	CakSNP13239	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826030	(T/C)
13240	CakSNP13240	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826028	(C/A)
13241	CakSNP13241	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826020	(G/A)
13242	CakSNP13242	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826015	(G/A)
13243	CakSNP13243	<i>Kabuli</i>	Ca_Kabuli_Chr07	46826008	(A/T)
13244	CakSNP13244	<i>Kabuli</i>	Ca_Kabuli_Chr07	46825997	(A/G)
13245	CakSNP13245	<i>Kabuli</i>	Ca_Kabuli_Chr07	46825992	(T/G)
13246	CakSNP13246	<i>Kabuli</i>	Ca_Kabuli_Chr07	46825985	(T/G)
13247	CakSNP13247	<i>Kabuli</i>	Ca_Kabuli_Chr07	46825957	(A/T)
13248	CakSNP13248	<i>Kabuli</i>	Ca_Kabuli_Chr07	46825952	(A/G)
13249	CakSNP13249	<i>Kabuli</i>	Ca_Kabuli_Chr07	47127331	(T/G)
13250	CakSNP13250	<i>Kabuli</i>	Ca_Kabuli_Chr07	47127342	(T/G)
13251	CakSNP13251	<i>Kabuli</i>	Ca_Kabuli_Chr07	47127343	(C/T)
13252	CakSNP13252	<i>Kabuli</i>	Ca_Kabuli_Chr07	47159646	(A/C)
13253	CakSNP13253	<i>Kabuli</i>	Ca_Kabuli_Chr07	47335940	(G/A)
13254	CakSNP13254	<i>Kabuli</i>	Ca_Kabuli_Chr07	47335916	(C/G)
13255	CakSNP13255	<i>Kabuli</i>	Ca_Kabuli_Chr07	47524173	(A/C)
13256	CakSNP13256	<i>Kabuli</i>	Ca_Kabuli_Chr07	47554330	(C/G)
13257	CakSNP13257	<i>Kabuli</i>	Ca_Kabuli_Chr07	47694706	(A/C)
13258	CakSNP13258	<i>Kabuli</i>	Ca_Kabuli_Chr07	47839934	(G/A)
13259	CakSNP13259	<i>Kabuli</i>	Ca_Kabuli_Chr07	47839952	(G/T)
13260	CakSNP13260	<i>Kabuli</i>	Ca_Kabuli_Chr07	47840034	(A/G)
13261	CakSNP13261	<i>Kabuli</i>	Ca_Kabuli_Chr07	47840092	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13262	CakSNP13262	<i>Kabuli</i>	Ca_Kabuli_Chr07	48102586	(G/T)
13263	CakSNP13263	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200865	(A/G)
13264	CakSNP13264	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200852	(G/A)
13265	CakSNP13265	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200822	(G/A)
13266	CakSNP13266	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200820	(A/C)
13267	CakSNP13267	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200823	(G/A)
13268	CakSNP13268	<i>Kabuli</i>	Ca_Kabuli_Chr07	48200848	(T/G)
13269	CakSNP13269	<i>Kabuli</i>	Ca_Kabuli_Chr07	48509506	(G/T)
13270	CakSNP13270	<i>Kabuli</i>	Ca_Kabuli_Chr08	54095	(A/C)
13271	CakSNP13271	<i>Kabuli</i>	Ca_Kabuli_Chr08	85693	(T/G)
13272	CakSNP13272	<i>Kabuli</i>	Ca_Kabuli_Chr08	85697	(G/A)
13273	CakSNP13273	<i>Kabuli</i>	Ca_Kabuli_Chr08	85707	(C/A)
13274	CakSNP13274	<i>Kabuli</i>	Ca_Kabuli_Chr08	85710	(C/A)
13275	CakSNP13275	<i>Kabuli</i>	Ca_Kabuli_Chr08	158986	(C/G)
13276	CakSNP13276	<i>Kabuli</i>	Ca_Kabuli_Chr08	177457	(C/T)
13277	CakSNP13277	<i>Kabuli</i>	Ca_Kabuli_Chr08	177436	(A/G)
13278	CakSNP13278	<i>Kabuli</i>	Ca_Kabuli_Chr08	177405	(G/A)
13279	CakSNP13279	<i>Kabuli</i>	Ca_Kabuli_Chr08	184444	(G/A)
13280	CakSNP13280	<i>Kabuli</i>	Ca_Kabuli_Chr08	218813	(C/T)
13281	CakSNP13281	<i>Kabuli</i>	Ca_Kabuli_Chr08	218828	(T/G)
13282	CakSNP13282	<i>Kabuli</i>	Ca_Kabuli_Chr08	218957	(G/T)
13283	CakSNP13283	<i>Kabuli</i>	Ca_Kabuli_Chr08	218928	(A/G)
13284	CakSNP13284	<i>Kabuli</i>	Ca_Kabuli_Chr08	249654	(A/C)
13285	CakSNP13285	<i>Kabuli</i>	Ca_Kabuli_Chr08	253786	(G/A)
13286	CakSNP13286	<i>Kabuli</i>	Ca_Kabuli_Chr08	281622	(G/A)
13287	CakSNP13287	<i>Kabuli</i>	Ca_Kabuli_Chr08	281608	(T/A)
13288	CakSNP13288	<i>Kabuli</i>	Ca_Kabuli_Chr08	281630	(A/C)
13289	CakSNP13289	<i>Kabuli</i>	Ca_Kabuli_Chr08	283147	(C/T)
13290	CakSNP13290	<i>Kabuli</i>	Ca_Kabuli_Chr08	285779	(G/A)
13291	CakSNP13291	<i>Kabuli</i>	Ca_Kabuli_Chr08	356295	(A/T)
13292	CakSNP13292	<i>Kabuli</i>	Ca_Kabuli_Chr08	411967	(G/A)
13293	CakSNP13293	<i>Kabuli</i>	Ca_Kabuli_Chr08	499819	(A/C)
13294	CakSNP13294	<i>Kabuli</i>	Ca_Kabuli_Chr08	499890	(T/C)
13295	CakSNP13295	<i>Kabuli</i>	Ca_Kabuli_Chr08	510824	(G/A)
13296	CakSNP13296	<i>Kabuli</i>	Ca_Kabuli_Chr08	560477	(C/T)
13297	CakSNP13297	<i>Kabuli</i>	Ca_Kabuli_Chr08	560451	(C/T)
13298	CakSNP13298	<i>Kabuli</i>	Ca_Kabuli_Chr08	560604	(T/G)
13299	CakSNP13299	<i>Kabuli</i>	Ca_Kabuli_Chr08	560746	(A/G)

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13300	CakSNP13300	<i>Kabuli</i>	Ca_Kabuli_Chr08	566112	(A/G)
13301	CakSNP13301	<i>Kabuli</i>	Ca_Kabuli_Chr08	566107	(C/T)
13302	CakSNP13302	<i>Kabuli</i>	Ca_Kabuli_Chr08	566094	(A/G)
13303	CakSNP13303	<i>Kabuli</i>	Ca_Kabuli_Chr08	596171	(C/T)
13304	CakSNP13304	<i>Kabuli</i>	Ca_Kabuli_Chr08	614324	(G/A)
13305	CakSNP13305	<i>Kabuli</i>	Ca_Kabuli_Chr08	614301	(C/A)
13306	CakSNP13306	<i>Kabuli</i>	Ca_Kabuli_Chr08	619605	(T/C)
13307	CakSNP13307	<i>Kabuli</i>	Ca_Kabuli_Chr08	634862	(C/T)
13308	CakSNP13308	<i>Kabuli</i>	Ca_Kabuli_Chr08	634843	(G/A)
13309	CakSNP13309	<i>Kabuli</i>	Ca_Kabuli_Chr08	634818	(G/T)
13310	CakSNP13310	<i>Kabuli</i>	Ca_Kabuli_Chr08	634921	(C/G)
13311	CakSNP13311	<i>Kabuli</i>	Ca_Kabuli_Chr08	649491	(A/C)
13312	CakSNP13312	<i>Kabuli</i>	Ca_Kabuli_Chr08	660610	(T/G)
13313	CakSNP13313	<i>Kabuli</i>	Ca_Kabuli_Chr08	666294	(G/A)
13314	CakSNP13314	<i>Kabuli</i>	Ca_Kabuli_Chr08	666288	(A/T)
13315	CakSNP13315	<i>Kabuli</i>	Ca_Kabuli_Chr08	666284	(T/A)
13316	CakSNP13316	<i>Kabuli</i>	Ca_Kabuli_Chr08	666274	(T/G)
13317	CakSNP13317	<i>Kabuli</i>	Ca_Kabuli_Chr08	672962	(C/T)
13318	CakSNP13318	<i>Kabuli</i>	Ca_Kabuli_Chr08	673820	(A/G)
13319	CakSNP13319	<i>Kabuli</i>	Ca_Kabuli_Chr08	674902	(T/G)
13320	CakSNP13320	<i>Kabuli</i>	Ca_Kabuli_Chr08	701803	(C/T)
13321	CakSNP13321	<i>Kabuli</i>	Ca_Kabuli_Chr08	701811	(T/G)
13322	CakSNP13322	<i>Kabuli</i>	Ca_Kabuli_Chr08	701837	(G/A)
13323	CakSNP13323	<i>Kabuli</i>	Ca_Kabuli_Chr08	706514	(T/C)
13324	CakSNP13324	<i>Kabuli</i>	Ca_Kabuli_Chr08	706482	(G/C)
13325	CakSNP13325	<i>Kabuli</i>	Ca_Kabuli_Chr08	706614	(C/T)
13326	CakSNP13326	<i>Kabuli</i>	Ca_Kabuli_Chr08	706793	(A/G)
13327	CakSNP13327	<i>Kabuli</i>	Ca_Kabuli_Chr08	706800	(G/A)
13328	CakSNP13328	<i>Kabuli</i>	Ca_Kabuli_Chr08	709063	(T/C)
13329	CakSNP13329	<i>Kabuli</i>	Ca_Kabuli_Chr08	709094	(T/C)
13330	CakSNP13330	<i>Kabuli</i>	Ca_Kabuli_Chr08	709124	(A/T)
13331	CakSNP13331	<i>Kabuli</i>	Ca_Kabuli_Chr08	714967	(A/G)
13332	CakSNP13332	<i>Kabuli</i>	Ca_Kabuli_Chr08	714974	(G/A)
13333	CakSNP13333	<i>Kabuli</i>	Ca_Kabuli_Chr08	777760	(A/T)
13334	CakSNP13334	<i>Kabuli</i>	Ca_Kabuli_Chr08	777772	(G/A)
13335	CakSNP13335	<i>Kabuli</i>	Ca_Kabuli_Chr08	777776	(C/G)
13336	CakSNP13336	<i>Kabuli</i>	Ca_Kabuli_Chr08	779589	(C/G)
13337	CakSNP13337	<i>Kabuli</i>	Ca_Kabuli_Chr08	779611	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13338	CakSNP13338	<i>Kabuli</i>	Ca_Kabuli_Chr08	779640	(T/C)
13339	CakSNP13339	<i>Kabuli</i>	Ca_Kabuli_Chr08	817321	(T/G)
13340	CakSNP13340	<i>Kabuli</i>	Ca_Kabuli_Chr08	822302	(A/G)
13341	CakSNP13341	<i>Kabuli</i>	Ca_Kabuli_Chr08	822942	(T/G)
13342	CakSNP13342	<i>Kabuli</i>	Ca_Kabuli_Chr08	822976	(C/T)
13343	CakSNP13343	<i>Kabuli</i>	Ca_Kabuli_Chr08	839924	(C/G)
13344	CakSNP13344	<i>Kabuli</i>	Ca_Kabuli_Chr08	855332	(G/A)
13345	CakSNP13345	<i>Kabuli</i>	Ca_Kabuli_Chr08	866741	(A/C)
13346	CakSNP13346	<i>Kabuli</i>	Ca_Kabuli_Chr08	871666	(C/G)
13347	CakSNP13347	<i>Kabuli</i>	Ca_Kabuli_Chr08	875236	(T/G)
13348	CakSNP13348	<i>Kabuli</i>	Ca_Kabuli_Chr08	894184	(C/A)
13349	CakSNP13349	<i>Kabuli</i>	Ca_Kabuli_Chr08	895883	(G/A)
13350	CakSNP13350	<i>Kabuli</i>	Ca_Kabuli_Chr08	895947	(C/T)
13351	CakSNP13351	<i>Kabuli</i>	Ca_Kabuli_Chr08	897417	(T/C)
13352	CakSNP13352	<i>Kabuli</i>	Ca_Kabuli_Chr08	898089	(C/T)
13353	CakSNP13353	<i>Kabuli</i>	Ca_Kabuli_Chr08	898150	(C/A)
13354	CakSNP13354	<i>Kabuli</i>	Ca_Kabuli_Chr08	898152	(A/G)
13355	CakSNP13355	<i>Kabuli</i>	Ca_Kabuli_Chr08	898173	(G/T)
13356	CakSNP13356	<i>Kabuli</i>	Ca_Kabuli_Chr08	898164	(G/T)
13357	CakSNP13357	<i>Kabuli</i>	Ca_Kabuli_Chr08	898226	(C/G)
13358	CakSNP13358	<i>Kabuli</i>	Ca_Kabuli_Chr08	898251	(G/T)
13359	CakSNP13359	<i>Kabuli</i>	Ca_Kabuli_Chr08	919690	(T/C)
13360	CakSNP13360	<i>Kabuli</i>	Ca_Kabuli_Chr08	923820	(T/C)
13361	CakSNP13361	<i>Kabuli</i>	Ca_Kabuli_Chr08	924720	(G/T)
13362	CakSNP13362	<i>Kabuli</i>	Ca_Kabuli_Chr08	924681	(C/T)
13363	CakSNP13363	<i>Kabuli</i>	Ca_Kabuli_Chr08	924715	(A/G)
13364	CakSNP13364	<i>Kabuli</i>	Ca_Kabuli_Chr08	924732	(G/T)
13365	CakSNP13365	<i>Kabuli</i>	Ca_Kabuli_Chr08	974170	(T/C)
13366	CakSNP13366	<i>Kabuli</i>	Ca_Kabuli_Chr08	974159	(T/G)
13367	CakSNP13367	<i>Kabuli</i>	Ca_Kabuli_Chr08	1011333	(C/T)
13368	CakSNP13368	<i>Kabuli</i>	Ca_Kabuli_Chr08	1011320	(G/T)
13369	CakSNP13369	<i>Kabuli</i>	Ca_Kabuli_Chr08	1011327	(G/A)
13370	CakSNP13370	<i>Kabuli</i>	Ca_Kabuli_Chr08	1043905	(T/C)
13371	CakSNP13371	<i>Kabuli</i>	Ca_Kabuli_Chr08	1070728	(T/C)
13372	CakSNP13372	<i>Kabuli</i>	Ca_Kabuli_Chr08	1077334	(C/T)
13373	CakSNP13373	<i>Kabuli</i>	Ca_Kabuli_Chr08	1077430	(C/T)
13374	CakSNP13374	<i>Kabuli</i>	Ca_Kabuli_Chr08	1119568	(T/C)
13375	CakSNP13375	<i>Kabuli</i>	Ca_Kabuli_Chr08	1119781	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13376	CakSNP13376	<i>Kabuli</i>	Ca_Kabuli_Chr08	1119773	(T/G)
13377	CakSNP13377	<i>Kabuli</i>	Ca_Kabuli_Chr08	1119761	(G/T)
13378	CakSNP13378	<i>Kabuli</i>	Ca_Kabuli_Chr08	1138275	(G/A)
13379	CakSNP13379	<i>Kabuli</i>	Ca_Kabuli_Chr08	1138394	(A/G)
13380	CakSNP13380	<i>Kabuli</i>	Ca_Kabuli_Chr08	1155597	(C/T)
13381	CakSNP13381	<i>Kabuli</i>	Ca_Kabuli_Chr08	1155636	(T/C)
13382	CakSNP13382	<i>Kabuli</i>	Ca_Kabuli_Chr08	1155639	(T/A)
13383	CakSNP13383	<i>Kabuli</i>	Ca_Kabuli_Chr08	1155641	(C/G)
13384	CakSNP13384	<i>Kabuli</i>	Ca_Kabuli_Chr08	1174369	(A/G)
13385	CakSNP13385	<i>Kabuli</i>	Ca_Kabuli_Chr08	1193297	(C/T)
13386	CakSNP13386	<i>Kabuli</i>	Ca_Kabuli_Chr08	1194886	(G/A)
13387	CakSNP13387	<i>Kabuli</i>	Ca_Kabuli_Chr08	1194888	(A/G)
13388	CakSNP13388	<i>Kabuli</i>	Ca_Kabuli_Chr08	1241739	(C/T)
13389	CakSNP13389	<i>Kabuli</i>	Ca_Kabuli_Chr08	1262576	(T/C)
13390	CakSNP13390	<i>Kabuli</i>	Ca_Kabuli_Chr08	1262561	(C/T)
13391	CakSNP13391	<i>Kabuli</i>	Ca_Kabuli_Chr08	1262660	(C/A)
13392	CakSNP13392	<i>Kabuli</i>	Ca_Kabuli_Chr08	1262686	(T/G)
13393	CakSNP13393	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265537	(G/A)
13394	CakSNP13394	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265535	(A/G)
13395	CakSNP13395	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265509	(T/C)
13396	CakSNP13396	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265595	(G/T)
13397	CakSNP13397	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265579	(A/G)
13398	CakSNP13398	<i>Kabuli</i>	Ca_Kabuli_Chr08	1265577	(T/G)
13399	CakSNP13399	<i>Kabuli</i>	Ca_Kabuli_Chr08	1382266	(G/A)
13400	CakSNP13400	<i>Kabuli</i>	Ca_Kabuli_Chr08	1382433	(G/T)
13401	CakSNP13401	<i>Kabuli</i>	Ca_Kabuli_Chr08	1382454	(A/C)
13402	CakSNP13402	<i>Kabuli</i>	Ca_Kabuli_Chr08	1433436	(T/C)
13403	CakSNP13403	<i>Kabuli</i>	Ca_Kabuli_Chr08	1477523	(T/C)
13404	CakSNP13404	<i>Kabuli</i>	Ca_Kabuli_Chr08	1487202	(G/C)
13405	CakSNP13405	<i>Kabuli</i>	Ca_Kabuli_Chr08	1503621	(C/T)
13406	CakSNP13406	<i>Kabuli</i>	Ca_Kabuli_Chr08	1503595	(C/T)
13407	CakSNP13407	<i>Kabuli</i>	Ca_Kabuli_Chr08	1503588	(T/C)
13408	CakSNP13408	<i>Kabuli</i>	Ca_Kabuli_Chr08	1504859	(A/G)
13409	CakSNP13409	<i>Kabuli</i>	Ca_Kabuli_Chr08	1507709	(T/G)
13410	CakSNP13410	<i>Kabuli</i>	Ca_Kabuli_Chr08	1507782	(G/C)
13411	CakSNP13411	<i>Kabuli</i>	Ca_Kabuli_Chr08	1518285	(A/C)
13412	CakSNP13412	<i>Kabuli</i>	Ca_Kabuli_Chr08	1518297	(T/G)
13413	CakSNP13413	<i>Kabuli</i>	Ca_Kabuli_Chr08	1518355	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13414	CakSNP13414	<i>Kabuli</i>	Ca_Kabuli_Chr08	1534461	(A/C)
13415	CakSNP13415	<i>Kabuli</i>	Ca_Kabuli_Chr08	1544916	(C/T)
13416	CakSNP13416	<i>Kabuli</i>	Ca_Kabuli_Chr08	1552082	(T/A)
13417	CakSNP13417	<i>Kabuli</i>	Ca_Kabuli_Chr08	1552143	(A/G)
13418	CakSNP13418	<i>Kabuli</i>	Ca_Kabuli_Chr08	1554964	(T/C)
13419	CakSNP13419	<i>Kabuli</i>	Ca_Kabuli_Chr08	1555017	(C/A)
13420	CakSNP13420	<i>Kabuli</i>	Ca_Kabuli_Chr08	1555122	(A/G)
13421	CakSNP13421	<i>Kabuli</i>	Ca_Kabuli_Chr08	1557492	(C/T)
13422	CakSNP13422	<i>Kabuli</i>	Ca_Kabuli_Chr08	1573877	(G/T)
13423	CakSNP13423	<i>Kabuli</i>	Ca_Kabuli_Chr08	1612107	(G/A)
13424	CakSNP13424	<i>Kabuli</i>	Ca_Kabuli_Chr08	1612099	(A/G)
13425	CakSNP13425	<i>Kabuli</i>	Ca_Kabuli_Chr08	1612221	(C/G)
13426	CakSNP13426	<i>Kabuli</i>	Ca_Kabuli_Chr08	1667832	(T/C)
13427	CakSNP13427	<i>Kabuli</i>	Ca_Kabuli_Chr08	1675895	(C/T)
13428	CakSNP13428	<i>Kabuli</i>	Ca_Kabuli_Chr08	1675888	(C/T)
13429	CakSNP13429	<i>Kabuli</i>	Ca_Kabuli_Chr08	1708743	(C/T)
13430	CakSNP13430	<i>Kabuli</i>	Ca_Kabuli_Chr08	1708860	(T/C)
13431	CakSNP13431	<i>Kabuli</i>	Ca_Kabuli_Chr08	1718032	(C/T)
13432	CakSNP13432	<i>Kabuli</i>	Ca_Kabuli_Chr08	1723593	(G/A)
13433	CakSNP13433	<i>Kabuli</i>	Ca_Kabuli_Chr08	1743097	(G/A)
13434	CakSNP13434	<i>Kabuli</i>	Ca_Kabuli_Chr08	1747523	(T/A)
13435	CakSNP13435	<i>Kabuli</i>	Ca_Kabuli_Chr08	1747522	(T/C)
13436	CakSNP13436	<i>Kabuli</i>	Ca_Kabuli_Chr08	1782034	(C/G)
13437	CakSNP13437	<i>Kabuli</i>	Ca_Kabuli_Chr08	1794755	(C/A)
13438	CakSNP13438	<i>Kabuli</i>	Ca_Kabuli_Chr08	1794756	(G/T)
13439	CakSNP13439	<i>Kabuli</i>	Ca_Kabuli_Chr08	1794759	(C/T)
13440	CakSNP13440	<i>Kabuli</i>	Ca_Kabuli_Chr08	1794810	(G/A)
13441	CakSNP13441	<i>Kabuli</i>	Ca_Kabuli_Chr08	1817388	(T/C)
13442	CakSNP13442	<i>Kabuli</i>	Ca_Kabuli_Chr08	1830230	(A/T)
13443	CakSNP13443	<i>Kabuli</i>	Ca_Kabuli_Chr08	1830348	(T/C)
13444	CakSNP13444	<i>Kabuli</i>	Ca_Kabuli_Chr08	1846478	(A/G)
13445	CakSNP13445	<i>Kabuli</i>	Ca_Kabuli_Chr08	1893613	(T/C)
13446	CakSNP13446	<i>Kabuli</i>	Ca_Kabuli_Chr08	1932975	(T/C)
13447	CakSNP13447	<i>Kabuli</i>	Ca_Kabuli_Chr08	1932981	(T/C)
13448	CakSNP13448	<i>Kabuli</i>	Ca_Kabuli_Chr08	1932990	(A/C)
13449	CakSNP13449	<i>Kabuli</i>	Ca_Kabuli_Chr08	1932993	(C/T)
13450	CakSNP13450	<i>Kabuli</i>	Ca_Kabuli_Chr08	1932997	(G/T)
13451	CakSNP13451	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933026	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13452	CakSNP13452	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933064	(G/C)
13453	CakSNP13453	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933053	(G/A)
13454	CakSNP13454	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933052	(T/C)
13455	CakSNP13455	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933039	(G/T)
13456	CakSNP13456	<i>Kabuli</i>	Ca_Kabuli_Chr08	1933035	(T/A)
13457	CakSNP13457	<i>Kabuli</i>	Ca_Kabuli_Chr08	1958433	(G/C)
13458	CakSNP13458	<i>Kabuli</i>	Ca_Kabuli_Chr08	1958415	(T/G)
13459	CakSNP13459	<i>Kabuli</i>	Ca_Kabuli_Chr08	1978964	(G/C)
13460	CakSNP13460	<i>Kabuli</i>	Ca_Kabuli_Chr08	1980189	(T/A)
13461	CakSNP13461	<i>Kabuli</i>	Ca_Kabuli_Chr08	2004509	(A/G)
13462	CakSNP13462	<i>Kabuli</i>	Ca_Kabuli_Chr08	2004577	(G/C)
13463	CakSNP13463	<i>Kabuli</i>	Ca_Kabuli_Chr08	2029405	(C/A)
13464	CakSNP13464	<i>Kabuli</i>	Ca_Kabuli_Chr08	2029384	(T/C)
13465	CakSNP13465	<i>Kabuli</i>	Ca_Kabuli_Chr08	2052263	(T/G)
13466	CakSNP13466	<i>Kabuli</i>	Ca_Kabuli_Chr08	2052286	(T/C)
13467	CakSNP13467	<i>Kabuli</i>	Ca_Kabuli_Chr08	2070694	(G/T)
13468	CakSNP13468	<i>Kabuli</i>	Ca_Kabuli_Chr08	2073807	(C/G)
13469	CakSNP13469	<i>Kabuli</i>	Ca_Kabuli_Chr08	2074619	(T/G)
13470	CakSNP13470	<i>Kabuli</i>	Ca_Kabuli_Chr08	2075296	(T/C)
13471	CakSNP13471	<i>Kabuli</i>	Ca_Kabuli_Chr08	2075290	(G/T)
13472	CakSNP13472	<i>Kabuli</i>	Ca_Kabuli_Chr08	2075278	(T/G)
13473	CakSNP13473	<i>Kabuli</i>	Ca_Kabuli_Chr08	2079723	(A/G)
13474	CakSNP13474	<i>Kabuli</i>	Ca_Kabuli_Chr08	2081228	(C/T)
13475	CakSNP13475	<i>Kabuli</i>	Ca_Kabuli_Chr08	2088903	(T/C)
13476	CakSNP13476	<i>Kabuli</i>	Ca_Kabuli_Chr08	2088892	(T/G)
13477	CakSNP13477	<i>Kabuli</i>	Ca_Kabuli_Chr08	2090852	(A/G)
13478	CakSNP13478	<i>Kabuli</i>	Ca_Kabuli_Chr08	2095607	(A/G)
13479	CakSNP13479	<i>Kabuli</i>	Ca_Kabuli_Chr08	2107370	(C/T)
13480	CakSNP13480	<i>Kabuli</i>	Ca_Kabuli_Chr08	2113823	(T/G)
13481	CakSNP13481	<i>Kabuli</i>	Ca_Kabuli_Chr08	2113816	(T/C)
13482	CakSNP13482	<i>Kabuli</i>	Ca_Kabuli_Chr08	2128450	(A/G)
13483	CakSNP13483	<i>Kabuli</i>	Ca_Kabuli_Chr08	2194927	(G/A)
13484	CakSNP13484	<i>Kabuli</i>	Ca_Kabuli_Chr08	2194898	(A/T)
13485	CakSNP13485	<i>Kabuli</i>	Ca_Kabuli_Chr08	2250195	(C/G)
13486	CakSNP13486	<i>Kabuli</i>	Ca_Kabuli_Chr08	2250148	(T/C)
13487	CakSNP13487	<i>Kabuli</i>	Ca_Kabuli_Chr08	2264108	(G/A)
13488	CakSNP13488	<i>Kabuli</i>	Ca_Kabuli_Chr08	2279413	(G/A)
13489	CakSNP13489	<i>Kabuli</i>	Ca_Kabuli_Chr08	2309552	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13490	CakSNP13490	<i>Kabuli</i>	Ca_Kabuli_Chr08	2309549	(A/G)
13491	CakSNP13491	<i>Kabuli</i>	Ca_Kabuli_Chr08	2413731	(A/G)
13492	CakSNP13492	<i>Kabuli</i>	Ca_Kabuli_Chr08	2456352	(T/C)
13493	CakSNP13493	<i>Kabuli</i>	Ca_Kabuli_Chr08	2482834	(A/G)
13494	CakSNP13494	<i>Kabuli</i>	Ca_Kabuli_Chr08	2482849	(T/C)
13495	CakSNP13495	<i>Kabuli</i>	Ca_Kabuli_Chr08	2483021	(G/A)
13496	CakSNP13496	<i>Kabuli</i>	Ca_Kabuli_Chr08	2488709	(A/G)
13497	CakSNP13497	<i>Kabuli</i>	Ca_Kabuli_Chr08	2488769	(C/G)
13498	CakSNP13498	<i>Kabuli</i>	Ca_Kabuli_Chr08	2488772	(A/G)
13499	CakSNP13499	<i>Kabuli</i>	Ca_Kabuli_Chr08	2515612	(A/G)
13500	CakSNP13500	<i>Kabuli</i>	Ca_Kabuli_Chr08	2524188	(A/G)
13501	CakSNP13501	<i>Kabuli</i>	Ca_Kabuli_Chr08	2524148	(A/G)
13502	CakSNP13502	<i>Kabuli</i>	Ca_Kabuli_Chr08	2539375	(G/A)
13503	CakSNP13503	<i>Kabuli</i>	Ca_Kabuli_Chr08	2540644	(G/A)
13504	CakSNP13504	<i>Kabuli</i>	Ca_Kabuli_Chr08	2540704	(A/T)
13505	CakSNP13505	<i>Kabuli</i>	Ca_Kabuli_Chr08	2543156	(A/G)
13506	CakSNP13506	<i>Kabuli</i>	Ca_Kabuli_Chr08	2545070	(T/A)
13507	CakSNP13507	<i>Kabuli</i>	Ca_Kabuli_Chr08	2604759	(C/T)
13508	CakSNP13508	<i>Kabuli</i>	Ca_Kabuli_Chr08	2605423	(A/T)
13509	CakSNP13509	<i>Kabuli</i>	Ca_Kabuli_Chr08	2605460	(C/T)
13510	CakSNP13510	<i>Kabuli</i>	Ca_Kabuli_Chr08	2621132	(T/A)
13511	CakSNP13511	<i>Kabuli</i>	Ca_Kabuli_Chr08	2622009	(G/T)
13512	CakSNP13512	<i>Kabuli</i>	Ca_Kabuli_Chr08	2621987	(C/G)
13513	CakSNP13513	<i>Kabuli</i>	Ca_Kabuli_Chr08	2621973	(T/G)
13514	CakSNP13514	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651439	(G/T)
13515	CakSNP13515	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651425	(C/T)
13516	CakSNP13516	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651422	(T/C)
13517	CakSNP13517	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651393	(G/T)
13518	CakSNP13518	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651373	(G/T)
13519	CakSNP13519	<i>Kabuli</i>	Ca_Kabuli_Chr08	2651921	(C/T)
13520	CakSNP13520	<i>Kabuli</i>	Ca_Kabuli_Chr08	2664625	(T/C)
13521	CakSNP13521	<i>Kabuli</i>	Ca_Kabuli_Chr08	2664711	(T/G)
13522	CakSNP13522	<i>Kabuli</i>	Ca_Kabuli_Chr08	2722673	(C/A)
13523	CakSNP13523	<i>Kabuli</i>	Ca_Kabuli_Chr08	2735849	(T/C)
13524	CakSNP13524	<i>Kabuli</i>	Ca_Kabuli_Chr08	2743075	(T/C)
13525	CakSNP13525	<i>Kabuli</i>	Ca_Kabuli_Chr08	2743088	(A/G)
13526	CakSNP13526	<i>Kabuli</i>	Ca_Kabuli_Chr08	2743109	(G/C)
13527	CakSNP13527	<i>Kabuli</i>	Ca_Kabuli_Chr08	2743139	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13528	CakSNP13528	<i>Kabuli</i>	Ca_Kabuli_Chr08	2783576	(T/G)
13529	CakSNP13529	<i>Kabuli</i>	Ca_Kabuli_Chr08	2783655	(G/C)
13530	CakSNP13530	<i>Kabuli</i>	Ca_Kabuli_Chr08	2827822	(C/T)
13531	CakSNP13531	<i>Kabuli</i>	Ca_Kabuli_Chr08	2827984	(T/C)
13532	CakSNP13532	<i>Kabuli</i>	Ca_Kabuli_Chr08	2838179	(T/A)
13533	CakSNP13533	<i>Kabuli</i>	Ca_Kabuli_Chr08	2871095	(G/A)
13534	CakSNP13534	<i>Kabuli</i>	Ca_Kabuli_Chr08	2871064	(G/A)
13535	CakSNP13535	<i>Kabuli</i>	Ca_Kabuli_Chr08	2888353	(G/T)
13536	CakSNP13536	<i>Kabuli</i>	Ca_Kabuli_Chr08	2888317	(G/A)
13537	CakSNP13537	<i>Kabuli</i>	Ca_Kabuli_Chr08	2943631	(G/T)
13538	CakSNP13538	<i>Kabuli</i>	Ca_Kabuli_Chr08	2947498	(A/G)
13539	CakSNP13539	<i>Kabuli</i>	Ca_Kabuli_Chr08	2974759	(G/C)
13540	CakSNP13540	<i>Kabuli</i>	Ca_Kabuli_Chr08	2976709	(C/T)
13541	CakSNP13541	<i>Kabuli</i>	Ca_Kabuli_Chr08	2977543	(T/C)
13542	CakSNP13542	<i>Kabuli</i>	Ca_Kabuli_Chr08	2977628	(C/T)
13543	CakSNP13543	<i>Kabuli</i>	Ca_Kabuli_Chr08	2977603	(T/A)
13544	CakSNP13544	<i>Kabuli</i>	Ca_Kabuli_Chr08	3013928	(G/C)
13545	CakSNP13545	<i>Kabuli</i>	Ca_Kabuli_Chr08	3013917	(G/A)
13546	CakSNP13546	<i>Kabuli</i>	Ca_Kabuli_Chr08	3041947	(A/G)
13547	CakSNP13547	<i>Kabuli</i>	Ca_Kabuli_Chr08	3041981	(A/G)
13548	CakSNP13548	<i>Kabuli</i>	Ca_Kabuli_Chr08	3050452	(T/C)
13549	CakSNP13549	<i>Kabuli</i>	Ca_Kabuli_Chr08	3064477	(G/A)
13550	CakSNP13550	<i>Kabuli</i>	Ca_Kabuli_Chr08	3141617	(C/T)
13551	CakSNP13551	<i>Kabuli</i>	Ca_Kabuli_Chr08	3171324	(C/T)
13552	CakSNP13552	<i>Kabuli</i>	Ca_Kabuli_Chr08	3210879	(C/A)
13553	CakSNP13553	<i>Kabuli</i>	Ca_Kabuli_Chr08	3248044	(A/G)
13554	CakSNP13554	<i>Kabuli</i>	Ca_Kabuli_Chr08	3248104	(A/G)
13555	CakSNP13555	<i>Kabuli</i>	Ca_Kabuli_Chr08	3250707	(C/T)
13556	CakSNP13556	<i>Kabuli</i>	Ca_Kabuli_Chr08	3263822	(T/C)
13557	CakSNP13557	<i>Kabuli</i>	Ca_Kabuli_Chr08	3269124	(G/A)
13558	CakSNP13558	<i>Kabuli</i>	Ca_Kabuli_Chr08	3269118	(A/G)
13559	CakSNP13559	<i>Kabuli</i>	Ca_Kabuli_Chr08	3269088	(A/C)
13560	CakSNP13560	<i>Kabuli</i>	Ca_Kabuli_Chr08	3269085	(A/C)
13561	CakSNP13561	<i>Kabuli</i>	Ca_Kabuli_Chr08	3297410	(T/C)
13562	CakSNP13562	<i>Kabuli</i>	Ca_Kabuli_Chr08	3386165	(C/A)
13563	CakSNP13563	<i>Kabuli</i>	Ca_Kabuli_Chr08	3386181	(C/A)
13564	CakSNP13564	<i>Kabuli</i>	Ca_Kabuli_Chr08	3392929	(A/C)
13565	CakSNP13565	<i>Kabuli</i>	Ca_Kabuli_Chr08	3394796	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13566	CakSNP13566	<i>Kabuli</i>	Ca_Kabuli_Chr08	3394833	(T/C)
13567	CakSNP13567	<i>Kabuli</i>	Ca_Kabuli_Chr08	3394931	(T/C)
13568	CakSNP13568	<i>Kabuli</i>	Ca_Kabuli_Chr08	3396820	(T/C)
13569	CakSNP13569	<i>Kabuli</i>	Ca_Kabuli_Chr08	3438274	(A/T)
13570	CakSNP13570	<i>Kabuli</i>	Ca_Kabuli_Chr08	3445568	(G/T)
13571	CakSNP13571	<i>Kabuli</i>	Ca_Kabuli_Chr08	3448194	(C/T)
13572	CakSNP13572	<i>Kabuli</i>	Ca_Kabuli_Chr08	3460627	(G/A)
13573	CakSNP13573	<i>Kabuli</i>	Ca_Kabuli_Chr08	3499010	(G/A)
13574	CakSNP13574	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539690	(A/G)
13575	CakSNP13575	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539723	(G/C)
13576	CakSNP13576	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539745	(T/C)
13577	CakSNP13577	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539851	(T/C)
13578	CakSNP13578	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539838	(T/G)
13579	CakSNP13579	<i>Kabuli</i>	Ca_Kabuli_Chr08	3539832	(T/C)
13580	CakSNP13580	<i>Kabuli</i>	Ca_Kabuli_Chr08	3560271	(G/A)
13581	CakSNP13581	<i>Kabuli</i>	Ca_Kabuli_Chr08	3563692	(A/C)
13582	CakSNP13582	<i>Kabuli</i>	Ca_Kabuli_Chr08	3563825	(G/T)
13583	CakSNP13583	<i>Kabuli</i>	Ca_Kabuli_Chr08	3563824	(T/A)
13584	CakSNP13584	<i>Kabuli</i>	Ca_Kabuli_Chr08	3599091	(G/C)
13585	CakSNP13585	<i>Kabuli</i>	Ca_Kabuli_Chr08	3601517	(T/C)
13586	CakSNP13586	<i>Kabuli</i>	Ca_Kabuli_Chr08	3605513	(T/C)
13587	CakSNP13587	<i>Kabuli</i>	Ca_Kabuli_Chr08	3617810	(T/C)
13588	CakSNP13588	<i>Kabuli</i>	Ca_Kabuli_Chr08	3617757	(G/C)
13589	CakSNP13589	<i>Kabuli</i>	Ca_Kabuli_Chr08	3723085	(C/T)
13590	CakSNP13590	<i>Kabuli</i>	Ca_Kabuli_Chr08	3730369	(A/C)
13591	CakSNP13591	<i>Kabuli</i>	Ca_Kabuli_Chr08	3775945	(G/A)
13592	CakSNP13592	<i>Kabuli</i>	Ca_Kabuli_Chr08	3775960	(T/C)
13593	CakSNP13593	<i>Kabuli</i>	Ca_Kabuli_Chr08	3813978	(C/T)
13594	CakSNP13594	<i>Kabuli</i>	Ca_Kabuli_Chr08	3829425	(C/G)
13595	CakSNP13595	<i>Kabuli</i>	Ca_Kabuli_Chr08	3829576	(A/G)
13596	CakSNP13596	<i>Kabuli</i>	Ca_Kabuli_Chr08	3837237	(A/G)
13597	CakSNP13597	<i>Kabuli</i>	Ca_Kabuli_Chr08	3837306	(G/C)
13598	CakSNP13598	<i>Kabuli</i>	Ca_Kabuli_Chr08	3868511	(A/C)
13599	CakSNP13599	<i>Kabuli</i>	Ca_Kabuli_Chr08	3877130	(G/T)
13600	CakSNP13600	<i>Kabuli</i>	Ca_Kabuli_Chr08	3877176	(T/G)
13601	CakSNP13601	<i>Kabuli</i>	Ca_Kabuli_Chr08	3911930	(A/C)
13602	CakSNP13602	<i>Kabuli</i>	Ca_Kabuli_Chr08	3911876	(G/C)
13603	CakSNP13603	<i>Kabuli</i>	Ca_Kabuli_Chr08	3951767	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13604	CakSNP13604	<i>Kabuli</i>	Ca_Kabuli_Chr08	3951768	(A/G)
13605	CakSNP13605	<i>Kabuli</i>	Ca_Kabuli_Chr08	3954853	(T/A)
13606	CakSNP13606	<i>Kabuli</i>	Ca_Kabuli_Chr08	4042166	(A/C)
13607	CakSNP13607	<i>Kabuli</i>	Ca_Kabuli_Chr08	4042233	(G/A)
13608	CakSNP13608	<i>Kabuli</i>	Ca_Kabuli_Chr08	4042424	(G/A)
13609	CakSNP13609	<i>Kabuli</i>	Ca_Kabuli_Chr08	4052732	(C/T)
13610	CakSNP13610	<i>Kabuli</i>	Ca_Kabuli_Chr08	4052702	(C/T)
13611	CakSNP13611	<i>Kabuli</i>	Ca_Kabuli_Chr08	4073528	(C/T)
13612	CakSNP13612	<i>Kabuli</i>	Ca_Kabuli_Chr08	4073603	(A/G)
13613	CakSNP13613	<i>Kabuli</i>	Ca_Kabuli_Chr08	4074135	(T/C)
13614	CakSNP13614	<i>Kabuli</i>	Ca_Kabuli_Chr08	4091946	(T/C)
13615	CakSNP13615	<i>Kabuli</i>	Ca_Kabuli_Chr08	4092348	(T/A)
13616	CakSNP13616	<i>Kabuli</i>	Ca_Kabuli_Chr08	4092350	(G/C)
13617	CakSNP13617	<i>Kabuli</i>	Ca_Kabuli_Chr08	4095131	(A/C)
13618	CakSNP13618	<i>Kabuli</i>	Ca_Kabuli_Chr08	4095119	(G/A)
13619	CakSNP13619	<i>Kabuli</i>	Ca_Kabuli_Chr08	4106580	(T/C)
13620	CakSNP13620	<i>Kabuli</i>	Ca_Kabuli_Chr08	4106583	(T/C)
13621	CakSNP13621	<i>Kabuli</i>	Ca_Kabuli_Chr08	4106644	(C/T)
13622	CakSNP13622	<i>Kabuli</i>	Ca_Kabuli_Chr08	4172342	(A/G)
13623	CakSNP13623	<i>Kabuli</i>	Ca_Kabuli_Chr08	4172368	(T/C)
13624	CakSNP13624	<i>Kabuli</i>	Ca_Kabuli_Chr08	4183744	(A/G)
13625	CakSNP13625	<i>Kabuli</i>	Ca_Kabuli_Chr08	4183733	(G/A)
13626	CakSNP13626	<i>Kabuli</i>	Ca_Kabuli_Chr08	4198214	(A/C)
13627	CakSNP13627	<i>Kabuli</i>	Ca_Kabuli_Chr08	4201285	(A/G)
13628	CakSNP13628	<i>Kabuli</i>	Ca_Kabuli_Chr08	4237620	(T/A)
13629	CakSNP13629	<i>Kabuli</i>	Ca_Kabuli_Chr08	4271620	(T/A)
13630	CakSNP13630	<i>Kabuli</i>	Ca_Kabuli_Chr08	4290690	(T/A)
13631	CakSNP13631	<i>Kabuli</i>	Ca_Kabuli_Chr08	4322058	(A/G)
13632	CakSNP13632	<i>Kabuli</i>	Ca_Kabuli_Chr08	4322202	(C/T)
13633	CakSNP13633	<i>Kabuli</i>	Ca_Kabuli_Chr08	4344459	(C/A)
13634	CakSNP13634	<i>Kabuli</i>	Ca_Kabuli_Chr08	4346552	(A/G)
13635	CakSNP13635	<i>Kabuli</i>	Ca_Kabuli_Chr08	4346749	(A/G)
13636	CakSNP13636	<i>Kabuli</i>	Ca_Kabuli_Chr08	4346811	(C/T)
13637	CakSNP13637	<i>Kabuli</i>	Ca_Kabuli_Chr08	4346827	(A/C)
13638	CakSNP13638	<i>Kabuli</i>	Ca_Kabuli_Chr08	4347535	(A/C)
13639	CakSNP13639	<i>Kabuli</i>	Ca_Kabuli_Chr08	4351751	(G/A)
13640	CakSNP13640	<i>Kabuli</i>	Ca_Kabuli_Chr08	4353397	(A/C)
13641	CakSNP13641	<i>Kabuli</i>	Ca_Kabuli_Chr08	4355388	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13642	CakSNP13642	<i>Kabuli</i>	Ca_Kabuli_Chr08	4355531	(A/C)
13643	CakSNP13643	<i>Kabuli</i>	Ca_Kabuli_Chr08	4368163	(T/C)
13644	CakSNP13644	<i>Kabuli</i>	Ca_Kabuli_Chr08	4368184	(T/C)
13645	CakSNP13645	<i>Kabuli</i>	Ca_Kabuli_Chr08	4368213	(T/C)
13646	CakSNP13646	<i>Kabuli</i>	Ca_Kabuli_Chr08	4368403	(G/A)
13647	CakSNP13647	<i>Kabuli</i>	Ca_Kabuli_Chr08	4368463	(A/G)
13648	CakSNP13648	<i>Kabuli</i>	Ca_Kabuli_Chr08	4392707	(T/C)
13649	CakSNP13649	<i>Kabuli</i>	Ca_Kabuli_Chr08	4392767	(T/G)
13650	CakSNP13650	<i>Kabuli</i>	Ca_Kabuli_Chr08	4392818	(C/A)
13651	CakSNP13651	<i>Kabuli</i>	Ca_Kabuli_Chr08	4406956	(C/G)
13652	CakSNP13652	<i>Kabuli</i>	Ca_Kabuli_Chr08	4421609	(A/G)
13653	CakSNP13653	<i>Kabuli</i>	Ca_Kabuli_Chr08	4421629	(T/A)
13654	CakSNP13654	<i>Kabuli</i>	Ca_Kabuli_Chr08	4472423	(A/T)
13655	CakSNP13655	<i>Kabuli</i>	Ca_Kabuli_Chr08	4483130	(T/C)
13656	CakSNP13656	<i>Kabuli</i>	Ca_Kabuli_Chr08	4483274	(T/C)
13657	CakSNP13657	<i>Kabuli</i>	Ca_Kabuli_Chr08	4484606	(T/A)
13658	CakSNP13658	<i>Kabuli</i>	Ca_Kabuli_Chr08	4507729	(G/T)
13659	CakSNP13659	<i>Kabuli</i>	Ca_Kabuli_Chr08	4510845	(C/T)
13660	CakSNP13660	<i>Kabuli</i>	Ca_Kabuli_Chr08	4510810	(A/G)
13661	CakSNP13661	<i>Kabuli</i>	Ca_Kabuli_Chr08	4512311	(T/C)
13662	CakSNP13662	<i>Kabuli</i>	Ca_Kabuli_Chr08	4512436	(G/A)
13663	CakSNP13663	<i>Kabuli</i>	Ca_Kabuli_Chr08	4512492	(T/G)
13664	CakSNP13664	<i>Kabuli</i>	Ca_Kabuli_Chr08	4524914	(C/T)
13665	CakSNP13665	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557334	(A/G)
13666	CakSNP13666	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557328	(T/C)
13667	CakSNP13667	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557401	(A/C)
13668	CakSNP13668	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557407	(A/C)
13669	CakSNP13669	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557440	(A/G)
13670	CakSNP13670	<i>Kabuli</i>	Ca_Kabuli_Chr08	4557488	(C/T)
13671	CakSNP13671	<i>Kabuli</i>	Ca_Kabuli_Chr08	4580363	(C/A)
13672	CakSNP13672	<i>Kabuli</i>	Ca_Kabuli_Chr08	4588869	(T/C)
13673	CakSNP13673	<i>Kabuli</i>	Ca_Kabuli_Chr08	4588915	(A/C)
13674	CakSNP13674	<i>Kabuli</i>	Ca_Kabuli_Chr08	4611094	(C/T)
13675	CakSNP13675	<i>Kabuli</i>	Ca_Kabuli_Chr08	4658502	(A/G)
13676	CakSNP13676	<i>Kabuli</i>	Ca_Kabuli_Chr08	4714566	(G/A)
13677	CakSNP13677	<i>Kabuli</i>	Ca_Kabuli_Chr08	4744388	(C/T)
13678	CakSNP13678	<i>Kabuli</i>	Ca_Kabuli_Chr08	4767567	(A/C)
13679	CakSNP13679	<i>Kabuli</i>	Ca_Kabuli_Chr08	4767586	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13680	CakSNP13680	<i>Kabuli</i>	Ca_Kabuli_Chr08	4773205	(A/C)
13681	CakSNP13681	<i>Kabuli</i>	Ca_Kabuli_Chr08	4810954	(A/C)
13682	CakSNP13682	<i>Kabuli</i>	Ca_Kabuli_Chr08	4810968	(G/A)
13683	CakSNP13683	<i>Kabuli</i>	Ca_Kabuli_Chr08	4810986	(A/C)
13684	CakSNP13684	<i>Kabuli</i>	Ca_Kabuli_Chr08	4858262	(C/A)
13685	CakSNP13685	<i>Kabuli</i>	Ca_Kabuli_Chr08	4899964	(T/G)
13686	CakSNP13686	<i>Kabuli</i>	Ca_Kabuli_Chr08	4899983	(G/A)
13687	CakSNP13687	<i>Kabuli</i>	Ca_Kabuli_Chr08	4980949	(A/T)
13688	CakSNP13688	<i>Kabuli</i>	Ca_Kabuli_Chr08	4980916	(C/T)
13689	CakSNP13689	<i>Kabuli</i>	Ca_Kabuli_Chr08	5044456	(T/C)
13690	CakSNP13690	<i>Kabuli</i>	Ca_Kabuli_Chr08	5044423	(T/A)
13691	CakSNP13691	<i>Kabuli</i>	Ca_Kabuli_Chr08	5096194	(T/G)
13692	CakSNP13692	<i>Kabuli</i>	Ca_Kabuli_Chr08	5115451	(C/G)
13693	CakSNP13693	<i>Kabuli</i>	Ca_Kabuli_Chr08	5115498	(A/T)
13694	CakSNP13694	<i>Kabuli</i>	Ca_Kabuli_Chr08	5115512	(T/G)
13695	CakSNP13695	<i>Kabuli</i>	Ca_Kabuli_Chr08	5115522	(G/C)
13696	CakSNP13696	<i>Kabuli</i>	Ca_Kabuli_Chr08	5134706	(A/C)
13697	CakSNP13697	<i>Kabuli</i>	Ca_Kabuli_Chr08	5184227	(C/G)
13698	CakSNP13698	<i>Kabuli</i>	Ca_Kabuli_Chr08	5184276	(G/A)
13699	CakSNP13699	<i>Kabuli</i>	Ca_Kabuli_Chr08	5197004	(G/T)
13700	CakSNP13700	<i>Kabuli</i>	Ca_Kabuli_Chr08	5197254	(G/A)
13701	CakSNP13701	<i>Kabuli</i>	Ca_Kabuli_Chr08	5204956	(A/G)
13702	CakSNP13702	<i>Kabuli</i>	Ca_Kabuli_Chr08	5313792	(T/C)
13703	CakSNP13703	<i>Kabuli</i>	Ca_Kabuli_Chr08	5313782	(T/G)
13704	CakSNP13704	<i>Kabuli</i>	Ca_Kabuli_Chr08	5313774	(C/G)
13705	CakSNP13705	<i>Kabuli</i>	Ca_Kabuli_Chr08	5313770	(A/T)
13706	CakSNP13706	<i>Kabuli</i>	Ca_Kabuli_Chr08	5379556	(G/A)
13707	CakSNP13707	<i>Kabuli</i>	Ca_Kabuli_Chr08	5390415	(C/T)
13708	CakSNP13708	<i>Kabuli</i>	Ca_Kabuli_Chr08	5390602	(T/C)
13709	CakSNP13709	<i>Kabuli</i>	Ca_Kabuli_Chr08	5399503	(G/A)
13710	CakSNP13710	<i>Kabuli</i>	Ca_Kabuli_Chr08	5400188	(A/G)
13711	CakSNP13711	<i>Kabuli</i>	Ca_Kabuli_Chr08	5412501	(A/G)
13712	CakSNP13712	<i>Kabuli</i>	Ca_Kabuli_Chr08	5412489	(T/C)
13713	CakSNP13713	<i>Kabuli</i>	Ca_Kabuli_Chr08	5434223	(C/T)
13714	CakSNP13714	<i>Kabuli</i>	Ca_Kabuli_Chr08	5434225	(G/C)
13715	CakSNP13715	<i>Kabuli</i>	Ca_Kabuli_Chr08	5434232	(A/G)
13716	CakSNP13716	<i>Kabuli</i>	Ca_Kabuli_Chr08	5434238	(T/G)
13717	CakSNP13717	<i>Kabuli</i>	Ca_Kabuli_Chr08	5434242	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13718	CakSNP13718	<i>Kabuli</i>	Ca_Kabuli_Chr08	5487769	(G/A)
13719	CakSNP13719	<i>Kabuli</i>	Ca_Kabuli_Chr08	5487830	(G/A)
13720	CakSNP13720	<i>Kabuli</i>	Ca_Kabuli_Chr08	5536418	(T/G)
13721	CakSNP13721	<i>Kabuli</i>	Ca_Kabuli_Chr08	5538696	(A/C)
13722	CakSNP13722	<i>Kabuli</i>	Ca_Kabuli_Chr08	5538695	(T/C)
13723	CakSNP13723	<i>Kabuli</i>	Ca_Kabuli_Chr08	5538683	(T/C)
13724	CakSNP13724	<i>Kabuli</i>	Ca_Kabuli_Chr08	5539044	(C/T)
13725	CakSNP13725	<i>Kabuli</i>	Ca_Kabuli_Chr08	5586106	(G/A)
13726	CakSNP13726	<i>Kabuli</i>	Ca_Kabuli_Chr08	5591654	(T/C)
13727	CakSNP13727	<i>Kabuli</i>	Ca_Kabuli_Chr08	5591788	(G/C)
13728	CakSNP13728	<i>Kabuli</i>	Ca_Kabuli_Chr08	5650080	(C/G)
13729	CakSNP13729	<i>Kabuli</i>	Ca_Kabuli_Chr08	5712245	(T/A)
13730	CakSNP13730	<i>Kabuli</i>	Ca_Kabuli_Chr08	5811179	(G/C)
13731	CakSNP13731	<i>Kabuli</i>	Ca_Kabuli_Chr08	5819008	(G/A)
13732	CakSNP13732	<i>Kabuli</i>	Ca_Kabuli_Chr08	5840141	(G/A)
13733	CakSNP13733	<i>Kabuli</i>	Ca_Kabuli_Chr08	5870455	(A/G)
13734	CakSNP13734	<i>Kabuli</i>	Ca_Kabuli_Chr08	5870664	(T/C)
13735	CakSNP13735	<i>Kabuli</i>	Ca_Kabuli_Chr08	5870749	(C/T)
13736	CakSNP13736	<i>Kabuli</i>	Ca_Kabuli_Chr08	5871358	(G/C)
13737	CakSNP13737	<i>Kabuli</i>	Ca_Kabuli_Chr08	5871361	(T/G)
13738	CakSNP13738	<i>Kabuli</i>	Ca_Kabuli_Chr08	5871364	(T/C)
13739	CakSNP13739	<i>Kabuli</i>	Ca_Kabuli_Chr08	5871367	(T/A)
13740	CakSNP13740	<i>Kabuli</i>	Ca_Kabuli_Chr08	5871421	(A/G)
13741	CakSNP13741	<i>Kabuli</i>	Ca_Kabuli_Chr08	5910629	(C/G)
13742	CakSNP13742	<i>Kabuli</i>	Ca_Kabuli_Chr08	5927870	(G/T)
13743	CakSNP13743	<i>Kabuli</i>	Ca_Kabuli_Chr08	5935435	(A/C)
13744	CakSNP13744	<i>Kabuli</i>	Ca_Kabuli_Chr08	5963855	(T/A)
13745	CakSNP13745	<i>Kabuli</i>	Ca_Kabuli_Chr08	5992761	(A/G)
13746	CakSNP13746	<i>Kabuli</i>	Ca_Kabuli_Chr08	6084594	(G/A)
13747	CakSNP13747	<i>Kabuli</i>	Ca_Kabuli_Chr08	6084591	(C/T)
13748	CakSNP13748	<i>Kabuli</i>	Ca_Kabuli_Chr08	6115961	(T/G)
13749	CakSNP13749	<i>Kabuli</i>	Ca_Kabuli_Chr08	6115965	(T/C)
13750	CakSNP13750	<i>Kabuli</i>	Ca_Kabuli_Chr08	6116096	(C/T)
13751	CakSNP13751	<i>Kabuli</i>	Ca_Kabuli_Chr08	6116097	(C/A)
13752	CakSNP13752	<i>Kabuli</i>	Ca_Kabuli_Chr08	6116101	(G/A)
13753	CakSNP13753	<i>Kabuli</i>	Ca_Kabuli_Chr08	6145326	(G/A)
13754	CakSNP13754	<i>Kabuli</i>	Ca_Kabuli_Chr08	6149097	(A/C)
13755	CakSNP13755	<i>Kabuli</i>	Ca_Kabuli_Chr08	6192944	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13756	CakSNP13756	<i>Kabuli</i>	Ca_Kabuli_Chr08	6192986	(C/T)
13757	CakSNP13757	<i>Kabuli</i>	Ca_Kabuli_Chr08	6193078	(G/A)
13758	CakSNP13758	<i>Kabuli</i>	Ca_Kabuli_Chr08	6218250	(G/A)
13759	CakSNP13759	<i>Kabuli</i>	Ca_Kabuli_Chr08	6218275	(C/T)
13760	CakSNP13760	<i>Kabuli</i>	Ca_Kabuli_Chr08	6218298	(A/G)
13761	CakSNP13761	<i>Kabuli</i>	Ca_Kabuli_Chr08	6218299	(T/A)
13762	CakSNP13762	<i>Kabuli</i>	Ca_Kabuli_Chr08	6266432	(A/G)
13763	CakSNP13763	<i>Kabuli</i>	Ca_Kabuli_Chr08	6372236	(A/T)
13764	CakSNP13764	<i>Kabuli</i>	Ca_Kabuli_Chr08	6372230	(G/A)
13765	CakSNP13765	<i>Kabuli</i>	Ca_Kabuli_Chr08	6372223	(G/A)
13766	CakSNP13766	<i>Kabuli</i>	Ca_Kabuli_Chr08	6374794	(C/A)
13767	CakSNP13767	<i>Kabuli</i>	Ca_Kabuli_Chr08	6437758	(T/G)
13768	CakSNP13768	<i>Kabuli</i>	Ca_Kabuli_Chr08	6503723	(T/C)
13769	CakSNP13769	<i>Kabuli</i>	Ca_Kabuli_Chr08	6525633	(A/T)
13770	CakSNP13770	<i>Kabuli</i>	Ca_Kabuli_Chr08	6526612	(T/C)
13771	CakSNP13771	<i>Kabuli</i>	Ca_Kabuli_Chr08	6544248	(G/T)
13772	CakSNP13772	<i>Kabuli</i>	Ca_Kabuli_Chr08	6544278	(C/A)
13773	CakSNP13773	<i>Kabuli</i>	Ca_Kabuli_Chr08	6624006	(C/T)
13774	CakSNP13774	<i>Kabuli</i>	Ca_Kabuli_Chr08	6630663	(C/T)
13775	CakSNP13775	<i>Kabuli</i>	Ca_Kabuli_Chr08	6630661	(T/C)
13776	CakSNP13776	<i>Kabuli</i>	Ca_Kabuli_Chr08	6664509	(T/A)
13777	CakSNP13777	<i>Kabuli</i>	Ca_Kabuli_Chr08	6673855	(C/T)
13778	CakSNP13778	<i>Kabuli</i>	Ca_Kabuli_Chr08	6673891	(A/G)
13779	CakSNP13779	<i>Kabuli</i>	Ca_Kabuli_Chr08	6674024	(G/A)
13780	CakSNP13780	<i>Kabuli</i>	Ca_Kabuli_Chr08	6673956	(G/A)
13781	CakSNP13781	<i>Kabuli</i>	Ca_Kabuli_Chr08	6708869	(G/T)
13782	CakSNP13782	<i>Kabuli</i>	Ca_Kabuli_Chr08	6708945	(A/G)
13783	CakSNP13783	<i>Kabuli</i>	Ca_Kabuli_Chr08	6747091	(T/C)
13784	CakSNP13784	<i>Kabuli</i>	Ca_Kabuli_Chr08	6747995	(A/G)
13785	CakSNP13785	<i>Kabuli</i>	Ca_Kabuli_Chr08	6748136	(C/T)
13786	CakSNP13786	<i>Kabuli</i>	Ca_Kabuli_Chr08	6748294	(T/C)
13787	CakSNP13787	<i>Kabuli</i>	Ca_Kabuli_Chr08	6780592	(T/G)
13788	CakSNP13788	<i>Kabuli</i>	Ca_Kabuli_Chr08	6940139	(A/G)
13789	CakSNP13789	<i>Kabuli</i>	Ca_Kabuli_Chr08	6942651	(G/T)
13790	CakSNP13790	<i>Kabuli</i>	Ca_Kabuli_Chr08	6943710	(A/G)
13791	CakSNP13791	<i>Kabuli</i>	Ca_Kabuli_Chr08	6968036	(A/G)
13792	CakSNP13792	<i>Kabuli</i>	Ca_Kabuli_Chr08	6986090	(G/A)
13793	CakSNP13793	<i>Kabuli</i>	Ca_Kabuli_Chr08	6986130	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13794	CakSNP13794	<i>Kabuli</i>	Ca_Kabuli_Chr08	6987609	(G/T)
13795	CakSNP13795	<i>Kabuli</i>	Ca_Kabuli_Chr08	6987615	(A/C)
13796	CakSNP13796	<i>Kabuli</i>	Ca_Kabuli_Chr08	6989342	(G/T)
13797	CakSNP13797	<i>Kabuli</i>	Ca_Kabuli_Chr08	6989433	(A/G)
13798	CakSNP13798	<i>Kabuli</i>	Ca_Kabuli_Chr08	7013049	(G/A)
13799	CakSNP13799	<i>Kabuli</i>	Ca_Kabuli_Chr08	7037715	(G/A)
13800	CakSNP13800	<i>Kabuli</i>	Ca_Kabuli_Chr08	7041901	(A/C)
13801	CakSNP13801	<i>Kabuli</i>	Ca_Kabuli_Chr08	7047509	(T/G)
13802	CakSNP13802	<i>Kabuli</i>	Ca_Kabuli_Chr08	7047469	(T/A)
13803	CakSNP13803	<i>Kabuli</i>	Ca_Kabuli_Chr08	7099455	(C/T)
13804	CakSNP13804	<i>Kabuli</i>	Ca_Kabuli_Chr08	7099569	(T/C)
13805	CakSNP13805	<i>Kabuli</i>	Ca_Kabuli_Chr08	7099530	(C/A)
13806	CakSNP13806	<i>Kabuli</i>	Ca_Kabuli_Chr08	7099756	(A/G)
13807	CakSNP13807	<i>Kabuli</i>	Ca_Kabuli_Chr08	7162826	(T/G)
13808	CakSNP13808	<i>Kabuli</i>	Ca_Kabuli_Chr08	7162976	(A/G)
13809	CakSNP13809	<i>Kabuli</i>	Ca_Kabuli_Chr08	7174066	(C/T)
13810	CakSNP13810	<i>Kabuli</i>	Ca_Kabuli_Chr08	7175086	(A/C)
13811	CakSNP13811	<i>Kabuli</i>	Ca_Kabuli_Chr08	7191825	(A/G)
13812	CakSNP13812	<i>Kabuli</i>	Ca_Kabuli_Chr08	7193946	(C/T)
13813	CakSNP13813	<i>Kabuli</i>	Ca_Kabuli_Chr08	7193960	(A/T)
13814	CakSNP13814	<i>Kabuli</i>	Ca_Kabuli_Chr08	7295151	(T/C)
13815	CakSNP13815	<i>Kabuli</i>	Ca_Kabuli_Chr08	7295206	(A/G)
13816	CakSNP13816	<i>Kabuli</i>	Ca_Kabuli_Chr08	7295177	(G/T)
13817	CakSNP13817	<i>Kabuli</i>	Ca_Kabuli_Chr08	7307737	(G/T)
13818	CakSNP13818	<i>Kabuli</i>	Ca_Kabuli_Chr08	7307787	(A/T)
13819	CakSNP13819	<i>Kabuli</i>	Ca_Kabuli_Chr08	7357621	(A/G)
13820	CakSNP13820	<i>Kabuli</i>	Ca_Kabuli_Chr08	7357583	(T/C)
13821	CakSNP13821	<i>Kabuli</i>	Ca_Kabuli_Chr08	7503013	(T/A)
13822	CakSNP13822	<i>Kabuli</i>	Ca_Kabuli_Chr08	7503010	(T/C)
13823	CakSNP13823	<i>Kabuli</i>	Ca_Kabuli_Chr08	7506004	(A/G)
13824	CakSNP13824	<i>Kabuli</i>	Ca_Kabuli_Chr08	7519758	(C/A)
13825	CakSNP13825	<i>Kabuli</i>	Ca_Kabuli_Chr08	7519815	(G/A)
13826	CakSNP13826	<i>Kabuli</i>	Ca_Kabuli_Chr08	7526956	(A/G)
13827	CakSNP13827	<i>Kabuli</i>	Ca_Kabuli_Chr08	7563385	(C/G)
13828	CakSNP13828	<i>Kabuli</i>	Ca_Kabuli_Chr08	7563370	(T/C)
13829	CakSNP13829	<i>Kabuli</i>	Ca_Kabuli_Chr08	7563373	(T/A)
13830	CakSNP13830	<i>Kabuli</i>	Ca_Kabuli_Chr08	7566548	(T/C)
13831	CakSNP13831	<i>Kabuli</i>	Ca_Kabuli_Chr08	7614202	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13832	CakSNP13832	<i>Kabuli</i>	Ca_Kabuli_Chr08	7628690	(T/A)
13833	CakSNP13833	<i>Kabuli</i>	Ca_Kabuli_Chr08	7665291	(T/C)
13834	CakSNP13834	<i>Kabuli</i>	Ca_Kabuli_Chr08	7665383	(G/T)
13835	CakSNP13835	<i>Kabuli</i>	Ca_Kabuli_Chr08	7694747	(A/G)
13836	CakSNP13836	<i>Kabuli</i>	Ca_Kabuli_Chr08	7695990	(A/T)
13837	CakSNP13837	<i>Kabuli</i>	Ca_Kabuli_Chr08	7695989	(T/A)
13838	CakSNP13838	<i>Kabuli</i>	Ca_Kabuli_Chr08	7697886	(G/C)
13839	CakSNP13839	<i>Kabuli</i>	Ca_Kabuli_Chr08	7726921	(G/A)
13840	CakSNP13840	<i>Kabuli</i>	Ca_Kabuli_Chr08	7726894	(G/T)
13841	CakSNP13841	<i>Kabuli</i>	Ca_Kabuli_Chr08	7726879	(A/G)
13842	CakSNP13842	<i>Kabuli</i>	Ca_Kabuli_Chr08	7728085	(T/G)
13843	CakSNP13843	<i>Kabuli</i>	Ca_Kabuli_Chr08	7728076	(T/C)
13844	CakSNP13844	<i>Kabuli</i>	Ca_Kabuli_Chr08	7729693	(T/C)
13845	CakSNP13845	<i>Kabuli</i>	Ca_Kabuli_Chr08	7733508	(C/T)
13846	CakSNP13846	<i>Kabuli</i>	Ca_Kabuli_Chr08	7733573	(A/C)
13847	CakSNP13847	<i>Kabuli</i>	Ca_Kabuli_Chr08	7733574	(G/A)
13848	CakSNP13848	<i>Kabuli</i>	Ca_Kabuli_Chr08	7733670	(C/T)
13849	CakSNP13849	<i>Kabuli</i>	Ca_Kabuli_Chr08	7733647	(G/T)
13850	CakSNP13850	<i>Kabuli</i>	Ca_Kabuli_Chr08	7776466	(G/A)
13851	CakSNP13851	<i>Kabuli</i>	Ca_Kabuli_Chr08	7776592	(T/C)
13852	CakSNP13852	<i>Kabuli</i>	Ca_Kabuli_Chr08	7776897	(A/T)
13853	CakSNP13853	<i>Kabuli</i>	Ca_Kabuli_Chr08	7776934	(G/T)
13854	CakSNP13854	<i>Kabuli</i>	Ca_Kabuli_Chr08	7776970	(T/G)
13855	CakSNP13855	<i>Kabuli</i>	Ca_Kabuli_Chr08	7777023	(G/A)
13856	CakSNP13856	<i>Kabuli</i>	Ca_Kabuli_Chr08	7807065	(T/C)
13857	CakSNP13857	<i>Kabuli</i>	Ca_Kabuli_Chr08	7978269	(C/T)
13858	CakSNP13858	<i>Kabuli</i>	Ca_Kabuli_Chr08	8029283	(T/A)
13859	CakSNP13859	<i>Kabuli</i>	Ca_Kabuli_Chr08	8039078	(A/T)
13860	CakSNP13860	<i>Kabuli</i>	Ca_Kabuli_Chr08	8059732	(A/G)
13861	CakSNP13861	<i>Kabuli</i>	Ca_Kabuli_Chr08	8066006	(C/A)
13862	CakSNP13862	<i>Kabuli</i>	Ca_Kabuli_Chr08	8066005	(A/G)
13863	CakSNP13863	<i>Kabuli</i>	Ca_Kabuli_Chr08	8104804	(G/T)
13864	CakSNP13864	<i>Kabuli</i>	Ca_Kabuli_Chr08	8104801	(T/C)
13865	CakSNP13865	<i>Kabuli</i>	Ca_Kabuli_Chr08	8104884	(T/A)
13866	CakSNP13866	<i>Kabuli</i>	Ca_Kabuli_Chr08	8104892	(C/T)
13867	CakSNP13867	<i>Kabuli</i>	Ca_Kabuli_Chr08	8106804	(A/G)
13868	CakSNP13868	<i>Kabuli</i>	Ca_Kabuli_Chr08	8106851	(G/A)
13869	CakSNP13869	<i>Kabuli</i>	Ca_Kabuli_Chr08	8114316	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13870	CakSNP13870	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194206	(C/T)
13871	CakSNP13871	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194232	(C/A)
13872	CakSNP13872	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194234	(C/A)
13873	CakSNP13873	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194342	(T/C)
13874	CakSNP13874	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194464	(A/G)
13875	CakSNP13875	<i>Kabuli</i>	Ca_Kabuli_Chr08	8194436	(T/A)
13876	CakSNP13876	<i>Kabuli</i>	Ca_Kabuli_Chr08	8202726	(G/A)
13877	CakSNP13877	<i>Kabuli</i>	Ca_Kabuli_Chr08	8270488	(T/C)
13878	CakSNP13878	<i>Kabuli</i>	Ca_Kabuli_Chr08	8288041	(A/G)
13879	CakSNP13879	<i>Kabuli</i>	Ca_Kabuli_Chr08	8293716	(G/A)
13880	CakSNP13880	<i>Kabuli</i>	Ca_Kabuli_Chr08	8293704	(T/C)
13881	CakSNP13881	<i>Kabuli</i>	Ca_Kabuli_Chr08	8293693	(T/C)
13882	CakSNP13882	<i>Kabuli</i>	Ca_Kabuli_Chr08	8318110	(A/G)
13883	CakSNP13883	<i>Kabuli</i>	Ca_Kabuli_Chr08	8389117	(C/T)
13884	CakSNP13884	<i>Kabuli</i>	Ca_Kabuli_Chr08	8458383	(G/A)
13885	CakSNP13885	<i>Kabuli</i>	Ca_Kabuli_Chr08	8533479	(G/T)
13886	CakSNP13886	<i>Kabuli</i>	Ca_Kabuli_Chr08	8533978	(G/A)
13887	CakSNP13887	<i>Kabuli</i>	Ca_Kabuli_Chr08	8560330	(C/A)
13888	CakSNP13888	<i>Kabuli</i>	Ca_Kabuli_Chr08	8560331	(C/G)
13889	CakSNP13889	<i>Kabuli</i>	Ca_Kabuli_Chr08	8560332	(A/C)
13890	CakSNP13890	<i>Kabuli</i>	Ca_Kabuli_Chr08	8560326	(G/T)
13891	CakSNP13891	<i>Kabuli</i>	Ca_Kabuli_Chr08	8661327	(T/C)
13892	CakSNP13892	<i>Kabuli</i>	Ca_Kabuli_Chr08	8670242	(T/G)
13893	CakSNP13893	<i>Kabuli</i>	Ca_Kabuli_Chr08	8772131	(C/G)
13894	CakSNP13894	<i>Kabuli</i>	Ca_Kabuli_Chr08	8772124	(G/A)
13895	CakSNP13895	<i>Kabuli</i>	Ca_Kabuli_Chr08	8853602	(G/A)
13896	CakSNP13896	<i>Kabuli</i>	Ca_Kabuli_Chr08	8853664	(A/G)
13897	CakSNP13897	<i>Kabuli</i>	Ca_Kabuli_Chr08	8856046	(C/T)
13898	CakSNP13898	<i>Kabuli</i>	Ca_Kabuli_Chr08	8856047	(C/T)
13899	CakSNP13899	<i>Kabuli</i>	Ca_Kabuli_Chr08	8856150	(A/G)
13900	CakSNP13900	<i>Kabuli</i>	Ca_Kabuli_Chr08	8856143	(G/A)
13901	CakSNP13901	<i>Kabuli</i>	Ca_Kabuli_Chr08	8864079	(C/T)
13902	CakSNP13902	<i>Kabuli</i>	Ca_Kabuli_Chr08	8864157	(G/A)
13903	CakSNP13903	<i>Kabuli</i>	Ca_Kabuli_Chr08	8888412	(A/G)
13904	CakSNP13904	<i>Kabuli</i>	Ca_Kabuli_Chr08	8888414	(G/T)
13905	CakSNP13905	<i>Kabuli</i>	Ca_Kabuli_Chr08	8888426	(T/C)
13906	CakSNP13906	<i>Kabuli</i>	Ca_Kabuli_Chr08	8888476	(A/C)
13907	CakSNP13907	<i>Kabuli</i>	Ca_Kabuli_Chr08	8904346	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13908	CakSNP13908	<i>Kabuli</i>	Ca_Kabuli_Chr08	8904366	(A/G)
13909	CakSNP13909	<i>Kabuli</i>	Ca_Kabuli_Chr08	8914018	(A/C)
13910	CakSNP13910	<i>Kabuli</i>	Ca_Kabuli_Chr08	9097585	(A/C)
13911	CakSNP13911	<i>Kabuli</i>	Ca_Kabuli_Chr08	9099798	(G/T)
13912	CakSNP13912	<i>Kabuli</i>	Ca_Kabuli_Chr08	9100111	(C/T)
13913	CakSNP13913	<i>Kabuli</i>	Ca_Kabuli_Chr08	9109896	(T/A)
13914	CakSNP13914	<i>Kabuli</i>	Ca_Kabuli_Chr08	9109907	(A/T)
13915	CakSNP13915	<i>Kabuli</i>	Ca_Kabuli_Chr08	9109920	(C/A)
13916	CakSNP13916	<i>Kabuli</i>	Ca_Kabuli_Chr08	9112178	(G/A)
13917	CakSNP13917	<i>Kabuli</i>	Ca_Kabuli_Chr08	9112172	(A/C)
13918	CakSNP13918	<i>Kabuli</i>	Ca_Kabuli_Chr08	9118582	(C/T)
13919	CakSNP13919	<i>Kabuli</i>	Ca_Kabuli_Chr08	9118667	(A/G)
13920	CakSNP13920	<i>Kabuli</i>	Ca_Kabuli_Chr08	9143840	(C/A)
13921	CakSNP13921	<i>Kabuli</i>	Ca_Kabuli_Chr08	9151722	(G/T)
13922	CakSNP13922	<i>Kabuli</i>	Ca_Kabuli_Chr08	9389347	(G/A)
13923	CakSNP13923	<i>Kabuli</i>	Ca_Kabuli_Chr08	10004481	(T/C)
13924	CakSNP13924	<i>Kabuli</i>	Ca_Kabuli_Chr08	10155981	(A/C)
13925	CakSNP13925	<i>Kabuli</i>	Ca_Kabuli_Chr08	10258892	(T/G)
13926	CakSNP13926	<i>Kabuli</i>	Ca_Kabuli_Chr08	10486601	(A/C)
13927	CakSNP13927	<i>Kabuli</i>	Ca_Kabuli_Chr08	10556124	(T/C)
13928	CakSNP13928	<i>Kabuli</i>	Ca_Kabuli_Chr08	10668422	(A/C)
13929	CakSNP13929	<i>Kabuli</i>	Ca_Kabuli_Chr08	10728369	(G/C)
13930	CakSNP13930	<i>Kabuli</i>	Ca_Kabuli_Chr08	10733404	(A/G)
13931	CakSNP13931	<i>Kabuli</i>	Ca_Kabuli_Chr08	10733503	(C/T)
13932	CakSNP13932	<i>Kabuli</i>	Ca_Kabuli_Chr08	10733661	(G/A)
13933	CakSNP13933	<i>Kabuli</i>	Ca_Kabuli_Chr08	10733747	(C/T)
13934	CakSNP13934	<i>Kabuli</i>	Ca_Kabuli_Chr08	10759078	(G/A)
13935	CakSNP13935	<i>Kabuli</i>	Ca_Kabuli_Chr08	10759060	(G/A)
13936	CakSNP13936	<i>Kabuli</i>	Ca_Kabuli_Chr08	10759056	(C/T)
13937	CakSNP13937	<i>Kabuli</i>	Ca_Kabuli_Chr08	10759102	(C/T)
13938	CakSNP13938	<i>Kabuli</i>	Ca_Kabuli_Chr08	10763656	(A/T)
13939	CakSNP13939	<i>Kabuli</i>	Ca_Kabuli_Chr08	10953767	(C/T)
13940	CakSNP13940	<i>Kabuli</i>	Ca_Kabuli_Chr08	11015680	(G/T)
13941	CakSNP13941	<i>Kabuli</i>	Ca_Kabuli_Chr08	11015678	(C/G)
13942	CakSNP13942	<i>Kabuli</i>	Ca_Kabuli_Chr08	11015666	(G/C)
13943	CakSNP13943	<i>Kabuli</i>	Ca_Kabuli_Chr08	11066644	(C/T)
13944	CakSNP13944	<i>Kabuli</i>	Ca_Kabuli_Chr08	11066728	(G/A)
13945	CakSNP13945	<i>Kabuli</i>	Ca_Kabuli_Chr08	11087143	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13946	CakSNP13946	<i>Kabuli</i>	Ca_Kabuli_Chr08	11087169	(C/T)
13947	CakSNP13947	<i>Kabuli</i>	Ca_Kabuli_Chr08	11087302	(A/T)
13948	CakSNP13948	<i>Kabuli</i>	Ca_Kabuli_Chr08	11087250	(T/C)
13949	CakSNP13949	<i>Kabuli</i>	Ca_Kabuli_Chr08	11087247	(T/C)
13950	CakSNP13950	<i>Kabuli</i>	Ca_Kabuli_Chr08	11186919	(C/G)
13951	CakSNP13951	<i>Kabuli</i>	Ca_Kabuli_Chr08	11187037	(T/C)
13952	CakSNP13952	<i>Kabuli</i>	Ca_Kabuli_Chr08	11186986	(A/C)
13953	CakSNP13953	<i>Kabuli</i>	Ca_Kabuli_Chr08	11186974	(A/C)
13954	CakSNP13954	<i>Kabuli</i>	Ca_Kabuli_Chr08	11231812	(A/G)
13955	CakSNP13955	<i>Kabuli</i>	Ca_Kabuli_Chr08	11240258	(C/A)
13956	CakSNP13956	<i>Kabuli</i>	Ca_Kabuli_Chr08	11243263	(A/C)
13957	CakSNP13957	<i>Kabuli</i>	Ca_Kabuli_Chr08	11243256	(A/C)
13958	CakSNP13958	<i>Kabuli</i>	Ca_Kabuli_Chr08	11266447	(G/A)
13959	CakSNP13959	<i>Kabuli</i>	Ca_Kabuli_Chr08	11310460	(G/A)
13960	CakSNP13960	<i>Kabuli</i>	Ca_Kabuli_Chr08	11310480	(T/A)
13961	CakSNP13961	<i>Kabuli</i>	Ca_Kabuli_Chr08	11332934	(C/T)
13962	CakSNP13962	<i>Kabuli</i>	Ca_Kabuli_Chr08	11332940	(T/C)
13963	CakSNP13963	<i>Kabuli</i>	Ca_Kabuli_Chr08	11333057	(C/G)
13964	CakSNP13964	<i>Kabuli</i>	Ca_Kabuli_Chr08	11334190	(A/T)
13965	CakSNP13965	<i>Kabuli</i>	Ca_Kabuli_Chr08	11334210	(C/T)
13966	CakSNP13966	<i>Kabuli</i>	Ca_Kabuli_Chr08	11349891	(T/A)
13967	CakSNP13967	<i>Kabuli</i>	Ca_Kabuli_Chr08	11349995	(A/G)
13968	CakSNP13968	<i>Kabuli</i>	Ca_Kabuli_Chr08	11403805	(G/A)
13969	CakSNP13969	<i>Kabuli</i>	Ca_Kabuli_Chr08	11403754	(G/A)
13970	CakSNP13970	<i>Kabuli</i>	Ca_Kabuli_Chr08	11562814	(A/C)
13971	CakSNP13971	<i>Kabuli</i>	Ca_Kabuli_Chr08	11562833	(A/G)
13972	CakSNP13972	<i>Kabuli</i>	Ca_Kabuli_Chr08	11631836	(C/T)
13973	CakSNP13973	<i>Kabuli</i>	Ca_Kabuli_Chr08	11656700	(G/T)
13974	CakSNP13974	<i>Kabuli</i>	Ca_Kabuli_Chr08	11656687	(A/G)
13975	CakSNP13975	<i>Kabuli</i>	Ca_Kabuli_Chr08	11656675	(T/C)
13976	CakSNP13976	<i>Kabuli</i>	Ca_Kabuli_Chr08	11656670	(A/G)
13977	CakSNP13977	<i>Kabuli</i>	Ca_Kabuli_Chr08	11696021	(G/C)
13978	CakSNP13978	<i>Kabuli</i>	Ca_Kabuli_Chr08	11735882	(A/C)
13979	CakSNP13979	<i>Kabuli</i>	Ca_Kabuli_Chr08	11962280	(T/C)
13980	CakSNP13980	<i>Kabuli</i>	Ca_Kabuli_Chr08	12875217	(A/G)
13981	CakSNP13981	<i>Kabuli</i>	Ca_Kabuli_Chr08	13248268	(T/C)
13982	CakSNP13982	<i>Kabuli</i>	Ca_Kabuli_Chr08	13745335	(A/G)
13983	CakSNP13983	<i>Kabuli</i>	Ca_Kabuli_Chr08	13840865	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13984	CakSNP13984	<i>Kabuli</i>	Ca_Kabuli_Chr08	13860922	(C/G)
13985	CakSNP13985	<i>Kabuli</i>	Ca_Kabuli_Chr08	13864026	(T/G)
13986	CakSNP13986	<i>Kabuli</i>	Ca_Kabuli_Chr08	13864077	(T/C)
13987	CakSNP13987	<i>Kabuli</i>	Ca_Kabuli_Chr08	13997385	(C/T)
13988	CakSNP13988	<i>Kabuli</i>	Ca_Kabuli_Chr08	13998102	(A/G)
13989	CakSNP13989	<i>Kabuli</i>	Ca_Kabuli_Chr08	14006709	(G/A)
13990	CakSNP13990	<i>Kabuli</i>	Ca_Kabuli_Chr08	14006694	(C/T)
13991	CakSNP13991	<i>Kabuli</i>	Ca_Kabuli_Chr08	14007431	(A/G)
13992	CakSNP13992	<i>Kabuli</i>	Ca_Kabuli_Chr08	14124588	(C/A)
13993	CakSNP13993	<i>Kabuli</i>	Ca_Kabuli_Chr08	14129040	(G/A)
13994	CakSNP13994	<i>Kabuli</i>	Ca_Kabuli_Chr08	14325980	(C/A)
13995	CakSNP13995	<i>Kabuli</i>	Ca_Kabuli_Chr08	14437006	(C/A)
13996	CakSNP13996	<i>Kabuli</i>	Ca_Kabuli_Chr08	14444424	(G/A)
13997	CakSNP13997	<i>Kabuli</i>	Ca_Kabuli_Chr08	14444438	(A/C)
13998	CakSNP13998	<i>Kabuli</i>	Ca_Kabuli_Chr08	14445205	(C/A)
13999	CakSNP13999	<i>Kabuli</i>	Ca_Kabuli_Chr08	14460426	(T/C)
14000	CakSNP14000	<i>Kabuli</i>	Ca_Kabuli_Chr08	14528882	(T/G)
14001	CakSNP14001	<i>Kabuli</i>	Ca_Kabuli_Chr08	14528966	(C/G)
14002	CakSNP14002	<i>Kabuli</i>	Ca_Kabuli_Chr08	14613302	(G/A)
14003	CakSNP14003	<i>Kabuli</i>	Ca_Kabuli_Chr08	14640967	(A/C)
14004	CakSNP14004	<i>Kabuli</i>	Ca_Kabuli_Chr08	14715495	(T/G)
14005	CakSNP14005	<i>Kabuli</i>	Ca_Kabuli_Chr08	14753763	(T/C)
14006	CakSNP14006	<i>Kabuli</i>	Ca_Kabuli_Chr08	14753750	(T/C)
14007	CakSNP14007	<i>Kabuli</i>	Ca_Kabuli_Chr08	14754849	(A/T)
14008	CakSNP14008	<i>Kabuli</i>	Ca_Kabuli_Chr08	14759784	(G/T)
14009	CakSNP14009	<i>Kabuli</i>	Ca_Kabuli_Chr08	14760479	(C/G)
14010	CakSNP14010	<i>Kabuli</i>	Ca_Kabuli_Chr08	14760497	(G/A)
14011	CakSNP14011	<i>Kabuli</i>	Ca_Kabuli_Chr08	14760503	(A/T)
14012	CakSNP14012	<i>Kabuli</i>	Ca_Kabuli_Chr08	14821416	(G/A)
14013	CakSNP14013	<i>Kabuli</i>	Ca_Kabuli_Chr08	15000109	(A/G)
14014	CakSNP14014	<i>Kabuli</i>	Ca_Kabuli_Chr08	15034465	(T/C)
14015	CakSNP14015	<i>Kabuli</i>	Ca_Kabuli_Chr08	15131175	(G/A)
14016	CakSNP14016	<i>Kabuli</i>	Ca_Kabuli_Chr08	15192125	(A/G)
14017	CakSNP14017	<i>Kabuli</i>	Ca_Kabuli_Chr08	15207944	(C/T)
14018	CakSNP14018	<i>Kabuli</i>	Ca_Kabuli_Chr08	15207976	(A/G)
14019	CakSNP14019	<i>Kabuli</i>	Ca_Kabuli_Chr08	15220986	(C/G)
14020	CakSNP14020	<i>Kabuli</i>	Ca_Kabuli_Chr08	15421764	(T/C)
14021	CakSNP14021	<i>Kabuli</i>	Ca_Kabuli_Chr08	15421744	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14022	CakSNP14022	<i>Kabuli</i>	Ca_Kabuli_Chr08	15421719	(C/G)
14023	CakSNP14023	<i>Kabuli</i>	Ca_Kabuli_Chr08	15422163	(A/T)
14024	CakSNP14024	<i>Kabuli</i>	Ca_Kabuli_Chr08	15546669	(T/C)
14025	CakSNP14025	<i>Kabuli</i>	Ca_Kabuli_Chr08	15546671	(A/C)
14026	CakSNP14026	<i>Kabuli</i>	Ca_Kabuli_Chr08	15546696	(C/T)
14027	CakSNP14027	<i>Kabuli</i>	Ca_Kabuli_Chr08	15546710	(T/A)
14028	CakSNP14028	<i>Kabuli</i>	Ca_Kabuli_Chr08	15546758	(G/C)
14029	CakSNP14029	<i>Kabuli</i>	Ca_Kabuli_Chr08	15553251	(A/G)
14030	CakSNP14030	<i>Kabuli</i>	Ca_Kabuli_Chr08	15555771	(A/C)
14031	CakSNP14031	<i>Kabuli</i>	Ca_Kabuli_Chr08	15699220	(T/A)
14032	CakSNP14032	<i>Kabuli</i>	Ca_Kabuli_Chr08	15699180	(T/C)
14033	CakSNP14033	<i>Kabuli</i>	Ca_Kabuli_Chr08	15741863	(C/G)
14034	CakSNP14034	<i>Kabuli</i>	Ca_Kabuli_Chr08	15764739	(C/T)
14035	CakSNP14035	<i>Kabuli</i>	Ca_Kabuli_Chr08	15764748	(G/A)
14036	CakSNP14036	<i>Kabuli</i>	Ca_Kabuli_Chr08	15764823	(G/A)
14037	CakSNP14037	<i>Kabuli</i>	Ca_Kabuli_Chr08	15764808	(C/A)
14038	CakSNP14038	<i>Kabuli</i>	Ca_Kabuli_Chr08	15764874	(G/A)
14039	CakSNP14039	<i>Kabuli</i>	Ca_Kabuli_Chr08	15857176	(G/A)
14040	CakSNP14040	<i>Kabuli</i>	Ca_Kabuli_Chr08	15857192	(A/G)
14041	CakSNP14041	<i>Kabuli</i>	Ca_Kabuli_Chr08	15857359	(T/G)
14042	CakSNP14042	<i>Kabuli</i>	Ca_Kabuli_Chr08	15863509	(T/C)
14043	CakSNP14043	<i>Kabuli</i>	Ca_Kabuli_Chr08	15873071	(A/C)
14044	CakSNP14044	<i>Kabuli</i>	Ca_Kabuli_Chr08	15873133	(A/G)
14045	CakSNP14045	<i>Kabuli</i>	Ca_Kabuli_Chr08	16004976	(G/C)
14046	CakSNP14046	<i>Kabuli</i>	Ca_Kabuli_Chr08	16005046	(C/T)
14047	CakSNP14047	<i>Kabuli</i>	Ca_Kabuli_Chr08	16005078	(A/G)
14048	CakSNP14048	<i>Kabuli</i>	Ca_Kabuli_Chr08	16005235	(A/G)
14049	CakSNP14049	<i>Kabuli</i>	Ca_Kabuli_Chr08	16005253	(G/A)
14050	CakSNP14050	<i>Kabuli</i>	Ca_Kabuli_Chr08	16020239	(C/A)
14051	CakSNP14051	<i>Kabuli</i>	Ca_Kabuli_Chr08	16020277	(T/G)
14052	CakSNP14052	<i>Kabuli</i>	Ca_Kabuli_Chr08	16020323	(G/T)
14053	CakSNP14053	<i>Kabuli</i>	Ca_Kabuli_Chr08	16020305	(G/A)
14054	CakSNP14054	<i>Kabuli</i>	Ca_Kabuli_Chr08	16022432	(C/T)
14055	CakSNP14055	<i>Kabuli</i>	Ca_Kabuli_Chr08	16027974	(A/T)
14056	CakSNP14056	<i>Kabuli</i>	Ca_Kabuli_Chr08	16028064	(G/T)
14057	CakSNP14057	<i>Kabuli</i>	Ca_Kabuli_Chr08	16028062	(G/A)
14058	CakSNP14058	<i>Kabuli</i>	Ca_Kabuli_Chr08	16028040	(A/G)
14059	CakSNP14059	<i>Kabuli</i>	Ca_Kabuli_Chr08	16033779	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14060	CakSNP14060	<i>Kabuli</i>	Ca_Kabuli_Chr08	16076161	(C/G)
14061	CakSNP14061	<i>Kabuli</i>	Ca_Kabuli_Chr08	16076168	(A/G)
14062	CakSNP14062	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102413	(C/T)
14063	CakSNP14063	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102395	(G/A)
14064	CakSNP14064	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102363	(T/C)
14065	CakSNP14065	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102362	(G/T)
14066	CakSNP14066	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102348	(A/T)
14067	CakSNP14067	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102343	(C/T)
14068	CakSNP14068	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102335	(A/T)
14069	CakSNP14069	<i>Kabuli</i>	Ca_Kabuli_Chr08	16102414	(G/T)
14070	CakSNP14070	<i>Kabuli</i>	Ca_Kabuli_Chr08	16144279	(T/A)
14071	CakSNP14071	<i>Kabuli</i>	Ca_Kabuli_Chr08	16145275	(A/G)
14072	CakSNP14072	<i>Kabuli</i>	Ca_Kabuli_Chr08	16145419	(A/G)
14073	CakSNP14073	<i>Kabuli</i>	Ca_Kabuli_Chr08	16145411	(C/G)
14074	CakSNP14074	<i>Kabuli</i>	Ca_Kabuli_Chr08	16145370	(C/A)
14075	CakSNP14075	<i>Kabuli</i>	Ca_Kabuli_Chr08	16157015	(C/T)
14076	CakSNP14076	<i>Kabuli</i>	Ca_Kabuli_Chr08	16157134	(A/C)
14077	CakSNP14077	<i>Kabuli</i>	Ca_Kabuli_Chr08	16158594	(A/C)
14078	CakSNP14078	<i>Kabuli</i>	Ca_Kabuli_Chr08	16264310	(G/T)
14079	CakSNP14079	<i>Kabuli</i>	Ca_Kabuli_Chr08	16268878	(T/C)
14080	CakSNP14080	<i>Kabuli</i>	Ca_Kabuli_Chr08	16278758	(T/C)
14081	CakSNP14081	<i>Kabuli</i>	Ca_Kabuli_Chr08	16283660	(C/T)
14082	CakSNP14082	<i>Kabuli</i>	Ca_Kabuli_Chr08	16283661	(A/G)
14083	CakSNP14083	<i>Kabuli</i>	Ca_Kabuli_Chr08	16283722	(A/G)
14084	CakSNP14084	<i>Kabuli</i>	Ca_Kabuli_Chr08	16283738	(G/C)
14085	CakSNP14085	<i>Kabuli</i>	Ca_Kabuli_Chr08	16283859	(T/C)
14086	CakSNP14086	<i>Kabuli</i>	Ca_Kabuli_Chr08	16284269	(G/A)
14087	CakSNP14087	<i>Kabuli</i>	Ca_Kabuli_Chr08	16284279	(A/C)
14088	CakSNP14088	<i>Kabuli</i>	Ca_Kabuli_Chr08	16284306	(C/T)
14089	CakSNP14089	<i>Kabuli</i>	Ca_Kabuli_Chr08	16309857	(G/T)
14090	CakSNP14090	<i>Kabuli</i>	Ca_Kabuli_Chr08	16321524	(A/G)
14091	CakSNP14091	<i>Kabuli</i>	Ca_Kabuli_Chr08	16321545	(G/T)
14092	CakSNP14092	<i>Kabuli</i>	Ca_Kabuli_Chr08	16366490	(G/A)
14093	CakSNP14093	<i>Kabuli</i>	Ca_Kabuli_Chr08	16381928	(T/G)
14094	CakSNP14094	<i>Kabuli</i>	Ca_Kabuli_Chr08	16411550	(A/G)
14095	CakSNP14095	<i>Kabuli</i>	Ca_Kabuli_Chr08	16412672	(T/C)
14096	CakSNP14096	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421407	(G/A)
14097	CakSNP14097	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421441	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14098	CakSNP14098	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421442	(C/G)
14099	CakSNP14099	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421545	(G/T)
14100	CakSNP14100	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421497	(C/T)
14101	CakSNP14101	<i>Kabuli</i>	Ca_Kabuli_Chr08	16421595	(A/C)
14102	CakSNP14102	<i>Kabuli</i>	Ca_Kabuli_Chr08	16432907	(T/G)
14103	CakSNP14103	<i>Kabuli</i>	Ca_Kabuli_Chr08	16472919	(T/A)
14104	CakSNP14104	<i>Kabuli</i>	Ca_Kabuli_Chr08	16472932	(C/T)
14105	CakSNP14105	<i>Kabuli</i>	Ca_Kabuli_Chr08	16472933	(G/C)
14106	CakSNP14106	<i>Kabuli</i>	Ca_Kabuli_Chr08	16472999	(A/C)
14107	CakSNP14107	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473047	(C/G)
14108	CakSNP14108	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473139	(C/T)
14109	CakSNP14109	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473154	(T/A)
14110	CakSNP14110	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473157	(C/T)
14111	CakSNP14111	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473311	(A/G)
14112	CakSNP14112	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473290	(A/G)
14113	CakSNP14113	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473920	(A/G)
14114	CakSNP14114	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473939	(A/G)
14115	CakSNP14115	<i>Kabuli</i>	Ca_Kabuli_Chr08	16473987	(C/T)
14116	CakSNP14116	<i>Kabuli</i>	Ca_Kabuli_C11058086	341	(G/A)
14117	CakSNP14117	<i>Kabuli</i>	Ca_Kabuli_C11058274	143	(T/A)
14118	CakSNP14118	<i>Kabuli</i>	Ca_Kabuli_C11062332	412	(G/A)
14119	CakSNP14119	<i>Kabuli</i>	Ca_Kabuli_C11062436	381	(T/A)
14120	CakSNP14120	<i>Kabuli</i>	Ca_Kabuli_C11062546	677	(G/T)
14121	CakSNP14121	<i>Kabuli</i>	Ca_Kabuli_C11076702	989	(G/A)
14122	CakSNP14122	<i>Kabuli</i>	Ca_Kabuli_C11078452	885	(G/A)
14123	CakSNP14123	<i>Kabuli</i>	Ca_Kabuli_C11079766	1418	(A/C)
14124	CakSNP14124	<i>Kabuli</i>	Ca_Kabuli_C11079766	1422	(G/C)
14125	CakSNP14125	<i>Kabuli</i>	Ca_Kabuli_C11079766	1412	(A/T)
14126	CakSNP14126	<i>Kabuli</i>	Ca_Kabuli_C11080716	1568	(A/C)
14127	CakSNP14127	<i>Kabuli</i>	Ca_Kabuli_C11084624	656	(G/A)
14128	CakSNP14128	<i>Kabuli</i>	Ca_Kabuli_C11084992	516	(A/G)
14129	CakSNP14129	<i>Kabuli</i>	Ca_Kabuli_C11084992	537	(G/T)
14130	CakSNP14130	<i>Kabuli</i>	Ca_Kabuli_C11086066	641	(A/C)
14131	CakSNP14131	<i>Kabuli</i>	Ca_Kabuli_C11086066	624	(A/C)
14132	CakSNP14132	<i>Kabuli</i>	Ca_Kabuli_C11088694	514	(G/C)
14133	CakSNP14133	<i>Kabuli</i>	Ca_Kabuli_C11119498	682	(T/A)
14134	CakSNP14134	<i>Kabuli</i>	Ca_Kabuli_C11119498	686	(C/A)
14135	CakSNP14135	<i>Kabuli</i>	Ca_Kabuli_C11119498	689	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14136	CakSNP14136	<i>Kabuli</i>	Ca_Kabuli_C11119498	693	(G/A)
14137	CakSNP14137	<i>Kabuli</i>	Ca_Kabuli_C11132768	2177	(G/A)
14138	CakSNP14138	<i>Kabuli</i>	Ca_Kabuli_C11142214	2902	(G/T)
14139	CakSNP14139	<i>Kabuli</i>	Ca_Kabuli_C11142252	3299	(A/C)
14140	CakSNP14140	<i>Kabuli</i>	Ca_Kabuli_C11143608	1389	(A/T)
14141	CakSNP14141	<i>Kabuli</i>	Ca_Kabuli_C11147634	3004	(C/A)
14142	CakSNP14142	<i>Kabuli</i>	Ca_Kabuli_C11147634	3028	(C/T)
14143	CakSNP14143	<i>Kabuli</i>	Ca_Kabuli_C11149092	2181	(A/G)
14144	CakSNP14144	<i>Kabuli</i>	Ca_Kabuli_C11149092	2281	(T/C)
14145	CakSNP14145	<i>Kabuli</i>	Ca_Kabuli_C11149092	2474	(T/A)
14146	CakSNP14146	<i>Kabuli</i>	Ca_Kabuli_C11149092	3190	(T/G)
14147	CakSNP14147	<i>Kabuli</i>	Ca_Kabuli_C11149092	3284	(C/G)
14148	CakSNP14148	<i>Kabuli</i>	Ca_Kabuli_C11153606	4275	(C/T)
14149	CakSNP14149	<i>Kabuli</i>	Ca_Kabuli_C11157320	766	(C/G)
14150	CakSNP14150	<i>Kabuli</i>	Ca_Kabuli_C11157320	2169	(T/A)
14151	CakSNP14151	<i>Kabuli</i>	Ca_Kabuli_C11157320	2152	(G/C)
14152	CakSNP14152	<i>Kabuli</i>	Ca_Kabuli_C11158050	2186	(A/T)
14153	CakSNP14153	<i>Kabuli</i>	Ca_Kabuli_C11160518	4522	(A/G)
14154	CakSNP14154	<i>Kabuli</i>	Ca_Kabuli_C11162020	3914	(C/T)
14155	CakSNP14155	<i>Kabuli</i>	Ca_Kabuli_C11162020	3926	(T/G)
14156	CakSNP14156	<i>Kabuli</i>	Ca_Kabuli_C11162020	5515	(G/A)
14157	CakSNP14157	<i>Kabuli</i>	Ca_Kabuli_C11164954	5778	(T/A)
14158	CakSNP14158	<i>Kabuli</i>	Ca_Kabuli_C11164954	5784	(G/A)
14159	CakSNP14159	<i>Kabuli</i>	Ca_Kabuli_C11165474	6285	(T/A)
14160	CakSNP14160	<i>Kabuli</i>	Ca_Kabuli_C11165890	154	(C/G)
14161	CakSNP14161	<i>Kabuli</i>	Ca_Kabuli_C11174756	8931	(C/G)
14162	CakSNP14162	<i>Kabuli</i>	Ca_Kabuli_C11175430	987	(A/G)
14163	CakSNP14163	<i>Kabuli</i>	Ca_Kabuli_C11175430	3929	(T/G)
14164	CakSNP14164	<i>Kabuli</i>	Ca_Kabuli_C11175430	3936	(G/T)
14165	CakSNP14165	<i>Kabuli</i>	Ca_Kabuli_C11175430	3952	(T/C)
14166	CakSNP14166	<i>Kabuli</i>	Ca_Kabuli_C11176688	4197	(G/C)
14167	CakSNP14167	<i>Kabuli</i>	Ca_Kabuli_C11177172	2529	(T/G)
14168	CakSNP14168	<i>Kabuli</i>	Ca_Kabuli_C11177172	2515	(T/A)
14169	CakSNP14169	<i>Kabuli</i>	Ca_Kabuli_C11177172	5324	(G/A)
14170	CakSNP14170	<i>Kabuli</i>	Ca_Kabuli_C11177748	1264	(T/A)
14171	CakSNP14171	<i>Kabuli</i>	Ca_Kabuli_C11178532	2107	(A/T)
14172	CakSNP14172	<i>Kabuli</i>	Ca_Kabuli_C11178532	3524	(A/G)
14173	CakSNP14173	<i>Kabuli</i>	Ca_Kabuli_C11181782	6215	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14174	CakSNP14174	<i>Kabuli</i>	Ca_Kabuli_C11181840	19192	(A/G)
14175	CakSNP14175	<i>Kabuli</i>	Ca_Kabuli_C11181840	19202	(T/C)
14176	CakSNP14176	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	40651	(T/A)
14177	CakSNP14177	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	382579	(C/T)
14178	CakSNP14178	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	436923	(T/C)
14179	CakSNP14179	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	644893	(A/C)
14180	CakSNP14180	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	667620	(A/G)
14181	CakSNP14181	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	667713	(G/A)
14182	CakSNP14182	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674495	(A/G)
14183	CakSNP14183	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674823	(G/A)
14184	CakSNP14184	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674826	(C/T)
14185	CakSNP14185	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674844	(T/C)
14186	CakSNP14186	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674847	(T/G)
14187	CakSNP14187	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674862	(G/A)
14188	CakSNP14188	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674865	(T/C)
14189	CakSNP14189	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674871	(A/G)
14190	CakSNP14190	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674881	(G/A)
14191	CakSNP14191	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674981	(G/A)
14192	CakSNP14192	<i>Kabuli</i>	Ca_Kabuli_Scaffold1006	674946	(G/A)
14193	CakSNP14193	<i>Kabuli</i>	Ca_Kabuli_Scaffold1010	90092	(G/A)
14194	CakSNP14194	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56140	(G/A)
14195	CakSNP14195	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56116	(C/T)
14196	CakSNP14196	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56114	(C/A)
14197	CakSNP14197	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56075	(T/A)
14198	CakSNP14198	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56074	(C/T)
14199	CakSNP14199	<i>Kabuli</i>	Ca_Kabuli_Scaffold1013	56069	(C/T)
14200	CakSNP14200	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	416	(C/T)
14201	CakSNP14201	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	410	(A/C)
14202	CakSNP14202	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	378	(A/T)
14203	CakSNP14203	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	354	(T/A)
14204	CakSNP14204	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	397	(G/A)
14205	CakSNP14205	<i>Kabuli</i>	Ca_Kabuli_Scaffold10186	573	(T/G)
14206	CakSNP14206	<i>Kabuli</i>	Ca_Kabuli_Scaffold102	82102	(T/C)
14207	CakSNP14207	<i>Kabuli</i>	Ca_Kabuli_Scaffold102	82107	(C/A)
14208	CakSNP14208	<i>Kabuli</i>	Ca_Kabuli_Scaffold1027	256612	(A/C)
14209	CakSNP14209	<i>Kabuli</i>	Ca_Kabuli_Scaffold1034	73684	(G/A)
14210	CakSNP14210	<i>Kabuli</i>	Ca_Kabuli_Scaffold1034	73695	(G/T)
14211	CakSNP14211	<i>Kabuli</i>	Ca_Kabuli_Scaffold10420	19974	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14212	CakSNP14212	<i>Kabuli</i>	Ca_Kabuli_Scaffold10420	31513	(C/T)
14213	CakSNP14213	<i>Kabuli</i>	Ca_Kabuli_Scaffold10420	31563	(A/G)
14214	CakSNP14214	<i>Kabuli</i>	Ca_Kabuli_Scaffold10420	31817	(C/T)
14215	CakSNP14215	<i>Kabuli</i>	Ca_Kabuli_Scaffold10420	40193	(G/T)
14216	CakSNP14216	<i>Kabuli</i>	Ca_Kabuli_Scaffold1043	16328	(A/T)
14217	CakSNP14217	<i>Kabuli</i>	Ca_Kabuli_Scaffold1043	16331	(G/T)
14218	CakSNP14218	<i>Kabuli</i>	Ca_Kabuli_Scaffold1043	16333	(A/T)
14219	CakSNP14219	<i>Kabuli</i>	Ca_Kabuli_Scaffold1043	16313	(A/G)
14220	CakSNP14220	<i>Kabuli</i>	Ca_Kabuli_Scaffold1047	235352	(T/C)
14221	CakSNP14221	<i>Kabuli</i>	Ca_Kabuli_Scaffold1047	577874	(T/G)
14222	CakSNP14222	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	3398	(G/A)
14223	CakSNP14223	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	3415	(C/T)
14224	CakSNP14224	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	3463	(C/T)
14225	CakSNP14225	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	14057	(C/A)
14226	CakSNP14226	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	126986	(T/G)
14227	CakSNP14227	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	127022	(G/A)
14228	CakSNP14228	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	127023	(G/T)
14229	CakSNP14229	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	127054	(C/T)
14230	CakSNP14230	<i>Kabuli</i>	Ca_Kabuli_Scaffold1050	128763	(A/G)
14231	CakSNP14231	<i>Kabuli</i>	Ca_Kabuli_Scaffold1055	344459	(G/A)
14232	CakSNP14232	<i>Kabuli</i>	Ca_Kabuli_Scaffold1055	344443	(G/A)
14233	CakSNP14233	<i>Kabuli</i>	Ca_Kabuli_Scaffold1055	344399	(C/T)
14234	CakSNP14234	<i>Kabuli</i>	Ca_Kabuli_Scaffold1060	3278	(A/C)
14235	CakSNP14235	<i>Kabuli</i>	Ca_Kabuli_Scaffold1060	3310	(G/T)
14236	CakSNP14236	<i>Kabuli</i>	Ca_Kabuli_Scaffold1060	394867	(C/T)
14237	CakSNP14237	<i>Kabuli</i>	Ca_Kabuli_Scaffold1060	395029	(C/T)
14238	CakSNP14238	<i>Kabuli</i>	Ca_Kabuli_Scaffold1060	395042	(A/G)
14239	CakSNP14239	<i>Kabuli</i>	Ca_Kabuli_Scaffold1061	63613	(A/G)
14240	CakSNP14240	<i>Kabuli</i>	Ca_Kabuli_Scaffold1061	63620	(C/T)
14241	CakSNP14241	<i>Kabuli</i>	Ca_Kabuli_Scaffold1065	142678	(A/C)
14242	CakSNP14242	<i>Kabuli</i>	Ca_Kabuli_Scaffold1067	38623	(C/A)
14243	CakSNP14243	<i>Kabuli</i>	Ca_Kabuli_Scaffold1081	768	(A/C)
14244	CakSNP14244	<i>Kabuli</i>	Ca_Kabuli_Scaffold1081	798	(T/C)
14245	CakSNP14245	<i>Kabuli</i>	Ca_Kabuli_Scaffold1081	800	(T/C)
14246	CakSNP14246	<i>Kabuli</i>	Ca_Kabuli_Scaffold1081	805	(A/C)
14247	CakSNP14247	<i>Kabuli</i>	Ca_Kabuli_Scaffold1081	818	(A/C)
14248	CakSNP14248	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	1154	(C/A)
14249	CakSNP14249	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	1240	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14250	CakSNP14250	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	1281	(G/A)
14251	CakSNP14251	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	1278	(T/C)
14252	CakSNP14252	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3160	(C/A)
14253	CakSNP14253	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3173	(G/T)
14254	CakSNP14254	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3204	(G/C)
14255	CakSNP14255	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3236	(T/G)
14256	CakSNP14256	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3249	(T/G)
14257	CakSNP14257	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3248	(C/T)
14258	CakSNP14258	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3240	(G/C)
14259	CakSNP14259	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3228	(C/T)
14260	CakSNP14260	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3191	(G/A)
14261	CakSNP14261	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	3274	(T/C)
14262	CakSNP14262	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	137675	(T/C)
14263	CakSNP14263	<i>Kabuli</i>	Ca_Kabuli_Scaffold1089	137679	(G/T)
14264	CakSNP14264	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	156485	(C/T)
14265	CakSNP14265	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	230701	(G/C)
14266	CakSNP14266	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	244141	(A/C)
14267	CakSNP14267	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	244150	(C/T)
14268	CakSNP14268	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	244156	(A/C)
14269	CakSNP14269	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	244176	(A/T)
14270	CakSNP14270	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	328757	(C/T)
14271	CakSNP14271	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	343415	(G/A)
14272	CakSNP14272	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	343454	(G/A)
14273	CakSNP14273	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	385548	(T/C)
14274	CakSNP14274	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	385578	(C/G)
14275	CakSNP14275	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	385602	(C/T)
14276	CakSNP14276	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	385660	(G/A)
14277	CakSNP14277	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	385653	(C/T)
14278	CakSNP14278	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	442149	(A/T)
14279	CakSNP14279	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	535504	(G/C)
14280	CakSNP14280	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	586181	(A/C)
14281	CakSNP14281	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	586286	(C/T)
14282	CakSNP14282	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	696869	(A/C)
14283	CakSNP14283	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	734137	(G/A)
14284	CakSNP14284	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	734141	(C/T)
14285	CakSNP14285	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	741607	(G/A)
14286	CakSNP14286	<i>Kabuli</i>	Ca_Kabuli_Scaffold109_1	763160	(G/A)
14287	CakSNP14287	<i>Kabuli</i>	Ca_Kabuli_Scaffold1109	150672	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14288	CakSNP14288	<i>Kabuli</i>	Ca_Kabuli_Scaffold1109	150720	(G/A)
14289	CakSNP14289	<i>Kabuli</i>	Ca_Kabuli_Scaffold1109	150676	(C/T)
14290	CakSNP14290	<i>Kabuli</i>	Ca_Kabuli_Scaffold1115	6234	(G/C)
14291	CakSNP14291	<i>Kabuli</i>	Ca_Kabuli_Scaffold1115	131039	(G/A)
14292	CakSNP14292	<i>Kabuli</i>	Ca_Kabuli_Scaffold1115	153349	(T/C)
14293	CakSNP14293	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	2215	(T/C)
14294	CakSNP14294	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	2224	(T/A)
14295	CakSNP14295	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	2225	(C/T)
14296	CakSNP14296	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	2226	(T/G)
14297	CakSNP14297	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	2315	(T/C)
14298	CakSNP14298	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	9568	(A/G)
14299	CakSNP14299	<i>Kabuli</i>	Ca_Kabuli_Scaffold1118	9556	(C/T)
14300	CakSNP14300	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	94196	(T/A)
14301	CakSNP14301	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	112702	(G/A)
14302	CakSNP14302	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	341416	(T/A)
14303	CakSNP14303	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	360567	(T/A)
14304	CakSNP14304	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	360529	(A/C)
14305	CakSNP14305	<i>Kabuli</i>	Ca_Kabuli_Scaffold1128	423553	(A/G)
14306	CakSNP14306	<i>Kabuli</i>	Ca_Kabuli_Scaffold1132	26497	(C/T)
14307	CakSNP14307	<i>Kabuli</i>	Ca_Kabuli_Scaffold1132	26492	(G/A)
14308	CakSNP14308	<i>Kabuli</i>	Ca_Kabuli_Scaffold1134	50630	(T/C)
14309	CakSNP14309	<i>Kabuli</i>	Ca_Kabuli_Scaffold1151	228312	(C/G)
14310	CakSNP14310	<i>Kabuli</i>	Ca_Kabuli_Scaffold1151	228304	(A/T)
14311	CakSNP14311	<i>Kabuli</i>	Ca_Kabuli_Scaffold1151	228291	(C/T)
14312	CakSNP14312	<i>Kabuli</i>	Ca_Kabuli_Scaffold1152	9541	(A/G)
14313	CakSNP14313	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	52186	(C/T)
14314	CakSNP14314	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	52146	(T/C)
14315	CakSNP14315	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	52142	(G/T)
14316	CakSNP14316	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	52125	(C/T)
14317	CakSNP14317	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	52124	(C/T)
14318	CakSNP14318	<i>Kabuli</i>	Ca_Kabuli_Scaffold1176_2	330840	(C/A)
14319	CakSNP14319	<i>Kabuli</i>	Ca_Kabuli_Scaffold118	206562	(A/G)
14320	CakSNP14320	<i>Kabuli</i>	Ca_Kabuli_Scaffold118	303784	(A/C)
14321	CakSNP14321	<i>Kabuli</i>	Ca_Kabuli_Scaffold118	332673	(T/C)
14322	CakSNP14322	<i>Kabuli</i>	Ca_Kabuli_Scaffold1180	114508	(C/A)
14323	CakSNP14323	<i>Kabuli</i>	Ca_Kabuli_Scaffold1185	944	(G/A)
14324	CakSNP14324	<i>Kabuli</i>	Ca_Kabuli_Scaffold1185	1110	(G/A)
14325	CakSNP14325	<i>Kabuli</i>	Ca_Kabuli_Scaffold1185	1134	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14326	CakSNP14326	<i>Kabuli</i>	Ca_Kabuli_Scaffold1185	1098	(T/C)
14327	CakSNP14327	<i>Kabuli</i>	Ca_Kabuli_Scaffold119	12259	(A/G)
14328	CakSNP14328	<i>Kabuli</i>	Ca_Kabuli_Scaffold119	12263	(C/A)
14329	CakSNP14329	<i>Kabuli</i>	Ca_Kabuli_Scaffold119	12267	(C/A)
14330	CakSNP14330	<i>Kabuli</i>	Ca_Kabuli_Scaffold119	12279	(G/A)
14331	CakSNP14331	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70506	(G/A)
14332	CakSNP14332	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70552	(A/C)
14333	CakSNP14333	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70549	(G/A)
14334	CakSNP14334	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70547	(G/C)
14335	CakSNP14335	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70535	(G/A)
14336	CakSNP14336	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70530	(C/T)
14337	CakSNP14337	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70526	(T/C)
14338	CakSNP14338	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70520	(G/A)
14339	CakSNP14339	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	70503	(C/T)
14340	CakSNP14340	<i>Kabuli</i>	Ca_Kabuli_Scaffold1196	203001	(G/A)
14341	CakSNP14341	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	219637	(A/T)
14342	CakSNP14342	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	344239	(A/C)
14343	CakSNP14343	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	402506	(T/C)
14344	CakSNP14344	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	407641	(G/A)
14345	CakSNP14345	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	407658	(C/G)
14346	CakSNP14346	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	407691	(T/C)
14347	CakSNP14347	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	407695	(T/C)
14348	CakSNP14348	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	447890	(C/T)
14349	CakSNP14349	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	520164	(T/A)
14350	CakSNP14350	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	520153	(C/G)
14351	CakSNP14351	<i>Kabuli</i>	Ca_Kabuli_Scaffold1197	520148	(A/T)
14352	CakSNP14352	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	107756	(G/A)
14353	CakSNP14353	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	200573	(G/C)
14354	CakSNP14354	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	331877	(G/A)
14355	CakSNP14355	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	331890	(A/G)
14356	CakSNP14356	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	332909	(C/T)
14357	CakSNP14357	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	332921	(G/A)
14358	CakSNP14358	<i>Kabuli</i>	Ca_Kabuli_Scaffold12	332963	(C/T)
14359	CakSNP14359	<i>Kabuli</i>	Ca_Kabuli_Scaffold1202	46904	(C/T)
14360	CakSNP14360	<i>Kabuli</i>	Ca_Kabuli_Scaffold1202	46945	(G/A)
14361	CakSNP14361	<i>Kabuli</i>	Ca_Kabuli_Scaffold1215	40741	(G/T)
14362	CakSNP14362	<i>Kabuli</i>	Ca_Kabuli_Scaffold1215	40793	(A/G)
14363	CakSNP14363	<i>Kabuli</i>	Ca_Kabuli_Scaffold1215	40797	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14364	CakSNP14364	<i>Kabuli</i>	Ca_Kabuli_Scaffold1215	40817	(G/A)
14365	CakSNP14365	<i>Kabuli</i>	Ca_Kabuli_Scaffold1215	40814	(A/T)
14366	CakSNP14366	<i>Kabuli</i>	Ca_Kabuli_Scaffold1219	34791	(G/A)
14367	CakSNP14367	<i>Kabuli</i>	Ca_Kabuli_Scaffold1219	85015	(A/C)
14368	CakSNP14368	<i>Kabuli</i>	Ca_Kabuli_Scaffold1259	71428	(C/T)
14369	CakSNP14369	<i>Kabuli</i>	Ca_Kabuli_Scaffold1259	71574	(A/T)
14370	CakSNP14370	<i>Kabuli</i>	Ca_Kabuli_Scaffold1259	71649	(C/T)
14371	CakSNP14371	<i>Kabuli</i>	Ca_Kabuli_Scaffold127	28809	(A/T)
14372	CakSNP14372	<i>Kabuli</i>	Ca_Kabuli_Scaffold127	28780	(G/A)
14373	CakSNP14373	<i>Kabuli</i>	Ca_Kabuli_Scaffold127	28778	(C/T)
14374	CakSNP14374	<i>Kabuli</i>	Ca_Kabuli_Scaffold127	28776	(T/G)
14375	CakSNP14375	<i>Kabuli</i>	Ca_Kabuli_Scaffold127	28772	(G/A)
14376	CakSNP14376	<i>Kabuli</i>	Ca_Kabuli_Scaffold1272	57303	(C/A)
14377	CakSNP14377	<i>Kabuli</i>	Ca_Kabuli_Scaffold1272	57356	(C/G)
14378	CakSNP14378	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	19256	(A/C)
14379	CakSNP14379	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	19315	(C/T)
14380	CakSNP14380	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	52881	(G/A)
14381	CakSNP14381	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	52855	(G/C)
14382	CakSNP14382	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	52844	(A/T)
14383	CakSNP14383	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	263590	(G/T)
14384	CakSNP14384	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	263586	(T/A)
14385	CakSNP14385	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	263572	(T/A)
14386	CakSNP14386	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	334180	(G/T)
14387	CakSNP14387	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	334129	(G/A)
14388	CakSNP14388	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	593782	(T/C)
14389	CakSNP14389	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	860975	(G/A)
14390	CakSNP14390	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	860981	(T/A)
14391	CakSNP14391	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	860983	(A/T)
14392	CakSNP14392	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	860987	(C/T)
14393	CakSNP14393	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861003	(C/A)
14394	CakSNP14394	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861010	(C/T)
14395	CakSNP14395	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861022	(T/C)
14396	CakSNP14396	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861028	(T/C)
14397	CakSNP14397	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861072	(G/T)
14398	CakSNP14398	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861053	(G/A)
14399	CakSNP14399	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861036	(G/A)
14400	CakSNP14400	<i>Kabuli</i>	Ca_Kabuli_Scaffold128	861015	(C/T)
14401	CakSNP14401	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	211456	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14402	CakSNP14402	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	239742	(T/C)
14403	CakSNP14403	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	244153	(A/C)
14404	CakSNP14404	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	258565	(G/A)
14405	CakSNP14405	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	316037	(A/G)
14406	CakSNP14406	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	396888	(G/A)
14407	CakSNP14407	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	396996	(C/T)
14408	CakSNP14408	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	396992	(A/G)
14409	CakSNP14409	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	398693	(G/A)
14410	CakSNP14410	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	398729	(T/G)
14411	CakSNP14411	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	398887	(G/A)
14412	CakSNP14412	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	408214	(C/T)
14413	CakSNP14413	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	408170	(C/T)
14414	CakSNP14414	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	526446	(C/T)
14415	CakSNP14415	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	526442	(T/C)
14416	CakSNP14416	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	527012	(C/T)
14417	CakSNP14417	<i>Kabuli</i>	Ca_Kabuli_Scaffold1281	527008	(T/C)
14418	CakSNP14418	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	68330	(G/A)
14419	CakSNP14419	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	68327	(G/T)
14420	CakSNP14420	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	68324	(T/C)
14421	CakSNP14421	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	68315	(T/C)
14422	CakSNP14422	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	68311	(G/A)
14423	CakSNP14423	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96310	(A/C)
14424	CakSNP14424	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96358	(T/C)
14425	CakSNP14425	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96429	(C/T)
14426	CakSNP14426	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96428	(G/A)
14427	CakSNP14427	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96414	(C/T)
14428	CakSNP14428	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96411	(G/A)
14429	CakSNP14429	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96409	(C/T)
14430	CakSNP14430	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	96399	(C/T)
14431	CakSNP14431	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	105553	(T/C)
14432	CakSNP14432	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	105507	(A/T)
14433	CakSNP14433	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	105504	(G/A)
14434	CakSNP14434	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	192068	(T/G)
14435	CakSNP14435	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	240762	(C/T)
14436	CakSNP14436	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	240735	(G/A)
14437	CakSNP14437	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	240730	(T/C)
14438	CakSNP14438	<i>Kabuli</i>	Ca_Kabuli_Scaffold1285	240723	(C/T)
14439	CakSNP14439	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	43433	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14440	CakSNP14440	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	45565	(A/C)
14441	CakSNP14441	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	45566	(G/A)
14442	CakSNP14442	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	58243	(A/G)
14443	CakSNP14443	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	58337	(C/T)
14444	CakSNP14444	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	58460	(A/T)
14445	CakSNP14445	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	63148	(T/C)
14446	CakSNP14446	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	95495	(G/A)
14447	CakSNP14447	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	95497	(G/A)
14448	CakSNP14448	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	95602	(T/C)
14449	CakSNP14449	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	95533	(C/G)
14450	CakSNP14450	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	122496	(T/A)
14451	CakSNP14451	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	122563	(T/C)
14452	CakSNP14452	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	154342	(A/C)
14453	CakSNP14453	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	157390	(A/G)
14454	CakSNP14454	<i>Kabuli</i>	Ca_Kabuli_Scaffold1301_1	218538	(G/A)
14455	CakSNP14455	<i>Kabuli</i>	Ca_Kabuli_Scaffold1308	44260	(A/G)
14456	CakSNP14456	<i>Kabuli</i>	Ca_Kabuli_Scaffold1309	49259	(G/A)
14457	CakSNP14457	<i>Kabuli</i>	Ca_Kabuli_Scaffold1312	98400	(T/C)
14458	CakSNP14458	<i>Kabuli</i>	Ca_Kabuli_Scaffold1313	18173	(A/G)
14459	CakSNP14459	<i>Kabuli</i>	Ca_Kabuli_Scaffold1313	18412	(G/A)
14460	CakSNP14460	<i>Kabuli</i>	Ca_Kabuli_Scaffold1313	227732	(G/A)
14461	CakSNP14461	<i>Kabuli</i>	Ca_Kabuli_Scaffold1313	227744	(C/T)
14462	CakSNP14462	<i>Kabuli</i>	Ca_Kabuli_Scaffold1315	115480	(G/A)
14463	CakSNP14463	<i>Kabuli</i>	Ca_Kabuli_Scaffold1315	115476	(A/C)
14464	CakSNP14464	<i>Kabuli</i>	Ca_Kabuli_Scaffold1315	115471	(G/A)
14465	CakSNP14465	<i>Kabuli</i>	Ca_Kabuli_Scaffold1315	115446	(C/A)
14466	CakSNP14466	<i>Kabuli</i>	Ca_Kabuli_Scaffold1315	115481	(G/T)
14467	CakSNP14467	<i>Kabuli</i>	Ca_Kabuli_Scaffold132	153364	(A/G)
14468	CakSNP14468	<i>Kabuli</i>	Ca_Kabuli_Scaffold132	153361	(A/G)
14469	CakSNP14469	<i>Kabuli</i>	Ca_Kabuli_Scaffold1324	228151	(G/A)
14470	CakSNP14470	<i>Kabuli</i>	Ca_Kabuli_Scaffold1324	228159	(A/C)
14471	CakSNP14471	<i>Kabuli</i>	Ca_Kabuli_Scaffold1324	262208	(C/G)
14472	CakSNP14472	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	218290	(C/T)
14473	CakSNP14473	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	218352	(T/G)
14474	CakSNP14474	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	218336	(T/G)
14475	CakSNP14475	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	223318	(C/T)
14476	CakSNP14476	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	223303	(T/C)
14477	CakSNP14477	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	233007	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14478	CakSNP14478	<i>Kabuli</i>	Ca_Kabuli_Scaffold134	275661	(T/A)
14479	CakSNP14479	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	84644	(G/C)
14480	CakSNP14480	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	134575	(T/C)
14481	CakSNP14481	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	134572	(G/A)
14482	CakSNP14482	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	294458	(A/G)
14483	CakSNP14483	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	294456	(A/G)
14484	CakSNP14484	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380156	(A/T)
14485	CakSNP14485	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380225	(T/G)
14486	CakSNP14486	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380227	(C/G)
14487	CakSNP14487	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380244	(C/G)
14488	CakSNP14488	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380289	(C/T)
14489	CakSNP14489	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	380336	(G/C)
14490	CakSNP14490	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	381026	(G/T)
14491	CakSNP14491	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	452011	(G/T)
14492	CakSNP14492	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	454342	(G/T)
14493	CakSNP14493	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	515602	(A/C)
14494	CakSNP14494	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	535984	(G/T)
14495	CakSNP14495	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	552192	(C/A)
14496	CakSNP14496	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	552299	(T/C)
14497	CakSNP14497	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	552342	(G/A)
14498	CakSNP14498	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	552328	(A/G)
14499	CakSNP14499	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	553863	(G/T)
14500	CakSNP14500	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	553978	(C/T)
14501	CakSNP14501	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	554003	(G/C)
14502	CakSNP14502	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	554134	(A/G)
14503	CakSNP14503	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	554215	(T/G)
14504	CakSNP14504	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	651906	(A/T)
14505	CakSNP14505	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	652067	(A/G)
14506	CakSNP14506	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	667541	(A/C)
14507	CakSNP14507	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	667504	(C/T)
14508	CakSNP14508	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	679305	(T/C)
14509	CakSNP14509	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	680734	(G/T)
14510	CakSNP14510	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	680730	(C/T)
14511	CakSNP14511	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	680718	(A/T)
14512	CakSNP14512	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	708276	(G/A)
14513	CakSNP14513	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	708302	(G/T)
14514	CakSNP14514	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	708344	(G/A)
14515	CakSNP14515	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	732450	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14516	CakSNP14516	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	732454	(T/G)
14517	CakSNP14517	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	732460	(T/A)
14518	CakSNP14518	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	732496	(G/T)
14519	CakSNP14519	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	735782	(C/T)
14520	CakSNP14520	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	735812	(G/A)
14521	CakSNP14521	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	750170	(C/A)
14522	CakSNP14522	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	750162	(T/C)
14523	CakSNP14523	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	750213	(C/A)
14524	CakSNP14524	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	771029	(T/A)
14525	CakSNP14525	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	871724	(G/A)
14526	CakSNP14526	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	909909	(A/G)
14527	CakSNP14527	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	909967	(C/G)
14528	CakSNP14528	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	909965	(T/A)
14529	CakSNP14529	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	909959	(A/C)
14530	CakSNP14530	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	924164	(T/G)
14531	CakSNP14531	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	934720	(C/A)
14532	CakSNP14532	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	934791	(C/T)
14533	CakSNP14533	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	950995	(A/G)
14534	CakSNP14534	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	959608	(A/C)
14535	CakSNP14535	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	959828	(G/A)
14536	CakSNP14536	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	959780	(G/A)
14537	CakSNP14537	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	970927	(A/G)
14538	CakSNP14538	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	981964	(T/C)
14539	CakSNP14539	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	983101	(T/G)
14540	CakSNP14540	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1020258	(C/T)
14541	CakSNP14541	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1023898	(G/A)
14542	CakSNP14542	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1023923	(G/A)
14543	CakSNP14543	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1023954	(G/C)
14544	CakSNP14544	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1066818	(A/C)
14545	CakSNP14545	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1066783	(C/T)
14546	CakSNP14546	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1066776	(T/C)
14547	CakSNP14547	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1072750	(C/T)
14548	CakSNP14548	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1145082	(A/C)
14549	CakSNP14549	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1145124	(T/C)
14550	CakSNP14550	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1207442	(G/A)
14551	CakSNP14551	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1236956	(A/G)
14552	CakSNP14552	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1263560	(T/G)
14553	CakSNP14553	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1265627	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14554	CakSNP14554	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1265635	(T/G)
14555	CakSNP14555	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1273341	(G/A)
14556	CakSNP14556	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1273388	(G/A)
14557	CakSNP14557	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1288448	(A/G)
14558	CakSNP14558	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1294675	(A/T)
14559	CakSNP14559	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1296453	(G/A)
14560	CakSNP14560	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1330256	(A/G)
14561	CakSNP14561	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1330288	(A/G)
14562	CakSNP14562	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1330400	(A/G)
14563	CakSNP14563	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1346914	(G/T)
14564	CakSNP14564	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1346943	(G/A)
14565	CakSNP14565	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1372535	(G/A)
14566	CakSNP14566	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1403452	(G/A)
14567	CakSNP14567	<i>Kabuli</i>	Ca_Kabuli_Scaffold1348_1	1403480	(A/G)
14568	CakSNP14568	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	172111	(G/A)
14569	CakSNP14569	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	172110	(T/C)
14570	CakSNP14570	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177159	(G/A)
14571	CakSNP14571	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177172	(G/A)
14572	CakSNP14572	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177178	(T/C)
14573	CakSNP14573	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177181	(A/G)
14574	CakSNP14574	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177194	(G/A)
14575	CakSNP14575	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177202	(G/A)
14576	CakSNP14576	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177171	(T/G)
14577	CakSNP14577	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177193	(T/C)
14578	CakSNP14578	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177256	(T/G)
14579	CakSNP14579	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177248	(G/T)
14580	CakSNP14580	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177247	(G/A)
14581	CakSNP14581	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177242	(G/A)
14582	CakSNP14582	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177241	(T/G)
14583	CakSNP14583	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177240	(C/A)
14584	CakSNP14584	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177235	(G/T)
14585	CakSNP14585	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177234	(A/C)
14586	CakSNP14586	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177210	(T/A)
14587	CakSNP14587	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177200	(T/G)
14588	CakSNP14588	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177191	(C/T)
14589	CakSNP14589	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	177188	(G/T)
14590	CakSNP14590	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	204656	(C/A)
14591	CakSNP14591	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	335227	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14592	CakSNP14592	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	335239	(G/T)
14593	CakSNP14593	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	367576	(A/G)
14594	CakSNP14594	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	367578	(G/A)
14595	CakSNP14595	<i>Kabuli</i>	Ca_Kabuli_Scaffold1351	367745	(G/A)
14596	CakSNP14596	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	8015	(T/A)
14597	CakSNP14597	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	8115	(T/G)
14598	CakSNP14598	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	8154	(T/G)
14599	CakSNP14599	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	8221	(T/G)
14600	CakSNP14600	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	8327	(G/A)
14601	CakSNP14601	<i>Kabuli</i>	Ca_Kabuli_Scaffold1369	31000	(A/G)
14602	CakSNP14602	<i>Kabuli</i>	Ca_Kabuli_Scaffold1390	98354	(A/G)
14603	CakSNP14603	<i>Kabuli</i>	Ca_Kabuli_Scaffold1401	89077	(T/C)
14604	CakSNP14604	<i>Kabuli</i>	Ca_Kabuli_Scaffold1401	89074	(T/C)
14605	CakSNP14605	<i>Kabuli</i>	Ca_Kabuli_Scaffold1417	4863	(A/G)
14606	CakSNP14606	<i>Kabuli</i>	Ca_Kabuli_Scaffold1417	4906	(G/A)
14607	CakSNP14607	<i>Kabuli</i>	Ca_Kabuli_Scaffold1417	4917	(G/T)
14608	CakSNP14608	<i>Kabuli</i>	Ca_Kabuli_Scaffold1417	76627	(A/C)
14609	CakSNP14609	<i>Kabuli</i>	Ca_Kabuli_Scaffold1417	230210	(T/G)
14610	CakSNP14610	<i>Kabuli</i>	Ca_Kabuli_Scaffold1419	24845	(C/T)
14611	CakSNP14611	<i>Kabuli</i>	Ca_Kabuli_Scaffold143	18492	(A/G)
14612	CakSNP14612	<i>Kabuli</i>	Ca_Kabuli_Scaffold1439	242972	(A/G)
14613	CakSNP14613	<i>Kabuli</i>	Ca_Kabuli_Scaffold1448	47306	(A/G)
14614	CakSNP14614	<i>Kabuli</i>	Ca_Kabuli_Scaffold1448	74436	(C/T)
14615	CakSNP14615	<i>Kabuli</i>	Ca_Kabuli_Scaffold1448	74434	(C/T)
14616	CakSNP14616	<i>Kabuli</i>	Ca_Kabuli_Scaffold1448	74529	(C/T)
14617	CakSNP14617	<i>Kabuli</i>	Ca_Kabuli_Scaffold1448	76809	(G/A)
14618	CakSNP14618	<i>Kabuli</i>	Ca_Kabuli_Scaffold1449	55474	(T/G)
14619	CakSNP14619	<i>Kabuli</i>	Ca_Kabuli_Scaffold1449	55529	(G/A)
14620	CakSNP14620	<i>Kabuli</i>	Ca_Kabuli_Scaffold1449	55532	(G/A)
14621	CakSNP14621	<i>Kabuli</i>	Ca_Kabuli_Scaffold1452	3501	(C/A)
14622	CakSNP14622	<i>Kabuli</i>	Ca_Kabuli_Scaffold1452	3496	(A/T)
14623	CakSNP14623	<i>Kabuli</i>	Ca_Kabuli_Scaffold1452	3495	(C/A)
14624	CakSNP14624	<i>Kabuli</i>	Ca_Kabuli_Scaffold1452	3737	(C/A)
14625	CakSNP14625	<i>Kabuli</i>	Ca_Kabuli_Scaffold1462	1556	(T/G)
14626	CakSNP14626	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	90846	(C/A)
14627	CakSNP14627	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	165472	(C/T)
14628	CakSNP14628	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322287	(G/A)
14629	CakSNP14629	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322315	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14630	CakSNP14630	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322450	(G/T)
14631	CakSNP14631	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322448	(T/G)
14632	CakSNP14632	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322421	(C/T)
14633	CakSNP14633	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322415	(G/A)
14634	CakSNP14634	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322414	(G/A)
14635	CakSNP14635	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322400	(C/T)
14636	CakSNP14636	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322390	(G/A)
14637	CakSNP14637	<i>Kabuli</i>	Ca_Kabuli_Scaffold1466	322383	(C/T)
14638	CakSNP14638	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	205779	(A/G)
14639	CakSNP14639	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	205803	(C/T)
14640	CakSNP14640	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	205833	(G/A)
14641	CakSNP14641	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	205840	(G/A)
14642	CakSNP14642	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	205845	(A/G)
14643	CakSNP14643	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206121	(G/A)
14644	CakSNP14644	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206118	(C/T)
14645	CakSNP14645	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206100	(G/A)
14646	CakSNP14646	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206094	(T/C)
14647	CakSNP14647	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206085	(T/C)
14648	CakSNP14648	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206068	(A/G)
14649	CakSNP14649	<i>Kabuli</i>	Ca_Kabuli_Scaffold1467	206067	(T/G)
14650	CakSNP14650	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4820	(G/A)
14651	CakSNP14651	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4796	(C/T)
14652	CakSNP14652	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4794	(C/A)
14653	CakSNP14653	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4755	(T/A)
14654	CakSNP14654	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4754	(C/T)
14655	CakSNP14655	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4749	(C/T)
14656	CakSNP14656	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4873	(G/T)
14657	CakSNP14657	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4845	(A/T)
14658	CakSNP14658	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4833	(G/A)
14659	CakSNP14659	<i>Kabuli</i>	Ca_Kabuli_Scaffold1475	4818	(C/T)
14660	CakSNP14660	<i>Kabuli</i>	Ca_Kabuli_Scaffold1483	56686	(A/T)
14661	CakSNP14661	<i>Kabuli</i>	Ca_Kabuli_Scaffold1483	56721	(G/C)
14662	CakSNP14662	<i>Kabuli</i>	Ca_Kabuli_Scaffold1493	81740	(C/T)
14663	CakSNP14663	<i>Kabuli</i>	Ca_Kabuli_Scaffold1493	81784	(C/A)
14664	CakSNP14664	<i>Kabuli</i>	Ca_Kabuli_Scaffold1493	81789	(G/A)
14665	CakSNP14665	<i>Kabuli</i>	Ca_Kabuli_Scaffold1496	289997	(G/T)
14666	CakSNP14666	<i>Kabuli</i>	Ca_Kabuli_Scaffold1496	290018	(C/A)
14667	CakSNP14667	<i>Kabuli</i>	Ca_Kabuli_Scaffold1498	3474	(A/C)

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14668	CakSNP14668	<i>Kabuli</i>	Ca_Kabuli_Scaffold1498	3657	(C/T)
14669	CakSNP14669	<i>Kabuli</i>	Ca_Kabuli_Scaffold1498	3641	(T/C)
14670	CakSNP14670	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	160623	(G/T)
14671	CakSNP14671	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	189700	(A/G)
14672	CakSNP14672	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	189699	(C/T)
14673	CakSNP14673	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	189681	(C/T)
14674	CakSNP14674	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	189664	(G/A)
14675	CakSNP14675	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	189663	(G/A)
14676	CakSNP14676	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	197789	(G/A)
14677	CakSNP14677	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	197790	(G/A)
14678	CakSNP14678	<i>Kabuli</i>	Ca_Kabuli_Scaffold1504	197819	(T/G)
14679	CakSNP14679	<i>Kabuli</i>	Ca_Kabuli_Scaffold1505	33297	(A/C)
14680	CakSNP14680	<i>Kabuli</i>	Ca_Kabuli_Scaffold151	267060	(T/G)
14681	CakSNP14681	<i>Kabuli</i>	Ca_Kabuli_Scaffold151	275743	(T/A)
14682	CakSNP14682	<i>Kabuli</i>	Ca_Kabuli_Scaffold1521	20734	(C/A)
14683	CakSNP14683	<i>Kabuli</i>	Ca_Kabuli_Scaffold1521	20779	(T/C)
14684	CakSNP14684	<i>Kabuli</i>	Ca_Kabuli_Scaffold1521	20851	(C/T)
14685	CakSNP14685	<i>Kabuli</i>	Ca_Kabuli_Scaffold1545	111476	(G/A)
14686	CakSNP14686	<i>Kabuli</i>	Ca_Kabuli_Scaffold1545	113148	(T/C)
14687	CakSNP14687	<i>Kabuli</i>	Ca_Kabuli_Scaffold1553	5078	(G/A)
14688	CakSNP14688	<i>Kabuli</i>	Ca_Kabuli_Scaffold1553	5115	(C/T)
14689	CakSNP14689	<i>Kabuli</i>	Ca_Kabuli_Scaffold1553	5125	(A/G)
14690	CakSNP14690	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	100228	(A/G)
14691	CakSNP14691	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	100529	(T/C)
14692	CakSNP14692	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	102779	(C/T)
14693	CakSNP14693	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	106331	(G/A)
14694	CakSNP14694	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	106349	(C/T)
14695	CakSNP14695	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	133602	(A/G)
14696	CakSNP14696	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	133583	(T/G)
14697	CakSNP14697	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	141880	(A/G)
14698	CakSNP14698	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	142444	(A/T)
14699	CakSNP14699	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	142455	(T/C)
14700	CakSNP14700	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	142470	(G/T)
14701	CakSNP14701	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	151081	(G/A)
14702	CakSNP14702	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	151199	(T/A)
14703	CakSNP14703	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	151192	(T/C)
14704	CakSNP14704	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	151177	(A/G)
14705	CakSNP14705	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	151131	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14706	CakSNP14706	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213380	(C/G)
14707	CakSNP14707	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213398	(T/G)
14708	CakSNP14708	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213404	(T/G)
14709	CakSNP14709	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213518	(T/C)
14710	CakSNP14710	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213487	(G/C)
14711	CakSNP14711	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	213477	(G/A)
14712	CakSNP14712	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	229917	(G/A)
14713	CakSNP14713	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	229900	(G/A)
14714	CakSNP14714	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	321386	(C/T)
14715	CakSNP14715	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	326434	(A/G)
14716	CakSNP14716	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	326467	(C/T)
14717	CakSNP14717	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	326494	(A/G)
14718	CakSNP14718	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	326497	(A/G)
14719	CakSNP14719	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	352687	(C/T)
14720	CakSNP14720	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	352712	(G/A)
14721	CakSNP14721	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	352747	(T/C)
14722	CakSNP14722	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	355222	(G/A)
14723	CakSNP14723	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	469198	(A/C)
14724	CakSNP14724	<i>Kabuli</i>	Ca_Kabuli_Scaffold157	535057	(T/G)
14725	CakSNP14725	<i>Kabuli</i>	Ca_Kabuli_Scaffold1575	2230	(C/T)
14726	CakSNP14726	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	71861	(G/T)
14727	CakSNP14727	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	119410	(T/C)
14728	CakSNP14728	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	119678	(T/C)
14729	CakSNP14729	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	163148	(A/T)
14730	CakSNP14730	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	163194	(T/C)
14731	CakSNP14731	<i>Kabuli</i>	Ca_Kabuli_Scaffold1580	380649	(A/T)
14732	CakSNP14732	<i>Kabuli</i>	Ca_Kabuli_Scaffold1585	59010	(C/A)
14733	CakSNP14733	<i>Kabuli</i>	Ca_Kabuli_Scaffold1603	11828	(C/G)
14734	CakSNP14734	<i>Kabuli</i>	Ca_Kabuli_Scaffold1607	107222	(T/C)
14735	CakSNP14735	<i>Kabuli</i>	Ca_Kabuli_Scaffold1613	48917	(T/G)
14736	CakSNP14736	<i>Kabuli</i>	Ca_Kabuli_Scaffold1613	107664	(T/A)
14737	CakSNP14737	<i>Kabuli</i>	Ca_Kabuli_Scaffold1613	107750	(T/A)
14738	CakSNP14738	<i>Kabuli</i>	Ca_Kabuli_Scaffold1631	202418	(A/G)
14739	CakSNP14739	<i>Kabuli</i>	Ca_Kabuli_Scaffold1635	83227	(G/C)
14740	CakSNP14740	<i>Kabuli</i>	Ca_Kabuli_Scaffold1635	83345	(A/T)
14741	CakSNP14741	<i>Kabuli</i>	Ca_Kabuli_Scaffold1654	26432	(G/A)
14742	CakSNP14742	<i>Kabuli</i>	Ca_Kabuli_Scaffold1659	303945	(T/G)
14743	CakSNP14743	<i>Kabuli</i>	Ca_Kabuli_Scaffold1661	70434	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14744	CakSNP14744	<i>Kabuli</i>	Ca_Kabuli_Scaffold1664	94989	(G/A)
14745	CakSNP14745	<i>Kabuli</i>	Ca_Kabuli_Scaffold1664	94984	(A/T)
14746	CakSNP14746	<i>Kabuli</i>	Ca_Kabuli_Scaffold1664	94930	(G/C)
14747	CakSNP14747	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	11018	(T/A)
14748	CakSNP14748	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	11009	(A/T)
14749	CakSNP14749	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	137869	(C/T)
14750	CakSNP14750	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	137848	(A/G)
14751	CakSNP14751	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	239687	(G/A)
14752	CakSNP14752	<i>Kabuli</i>	Ca_Kabuli_Scaffold167	327829	(T/C)
14753	CakSNP14753	<i>Kabuli</i>	Ca_Kabuli_Scaffold1687	82935	(A/C)
14754	CakSNP14754	<i>Kabuli</i>	Ca_Kabuli_Scaffold1699	27556	(A/C)
14755	CakSNP14755	<i>Kabuli</i>	Ca_Kabuli_Scaffold1699	27607	(T/G)
14756	CakSNP14756	<i>Kabuli</i>	Ca_Kabuli_Scaffold1708	69664	(A/T)
14757	CakSNP14757	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	96763	(T/C)
14758	CakSNP14758	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	183718	(T/C)
14759	CakSNP14759	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	183720	(C/T)
14760	CakSNP14760	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	183721	(G/A)
14761	CakSNP14761	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	183727	(C/T)
14762	CakSNP14762	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	183759	(T/C)
14763	CakSNP14763	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	186125	(C/A)
14764	CakSNP14764	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	208050	(A/G)
14765	CakSNP14765	<i>Kabuli</i>	Ca_Kabuli_Scaffold171	209964	(G/T)
14766	CakSNP14766	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	302	(G/A)
14767	CakSNP14767	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	295	(G/A)
14768	CakSNP14768	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	289	(C/T)
14769	CakSNP14769	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	268	(C/G)
14770	CakSNP14770	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	3898	(G/C)
14771	CakSNP14771	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	21521	(A/G)
14772	CakSNP14772	<i>Kabuli</i>	Ca_Kabuli_Scaffold1718	40669	(T/C)
14773	CakSNP14773	<i>Kabuli</i>	Ca_Kabuli_Scaffold1722	65999	(C/A)
14774	CakSNP14774	<i>Kabuli</i>	Ca_Kabuli_Scaffold1722	135589	(C/T)
14775	CakSNP14775	<i>Kabuli</i>	Ca_Kabuli_Scaffold1728	33301	(A/C)
14776	CakSNP14776	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	17761	(A/C)
14777	CakSNP14777	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	32366	(T/C)
14778	CakSNP14778	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	44014	(T/G)
14779	CakSNP14779	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	61454	(T/C)
14780	CakSNP14780	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	263899	(G/A)
14781	CakSNP14781	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	335077	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14782	CakSNP14782	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	341322	(C/T)
14783	CakSNP14783	<i>Kabuli</i>	Ca_Kabuli_Scaffold174	457627	(G/A)
14784	CakSNP14784	<i>Kabuli</i>	Ca_Kabuli_Scaffold1750	15510	(C/T)
14785	CakSNP14785	<i>Kabuli</i>	Ca_Kabuli_Scaffold1750	137106	(A/C)
14786	CakSNP14786	<i>Kabuli</i>	Ca_Kabuli_Scaffold1750	204638	(G/A)
14787	CakSNP14787	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	189367	(T/G)
14788	CakSNP14788	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	192417	(C/A)
14789	CakSNP14789	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	192713	(G/T)
14790	CakSNP14790	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	193026	(T/A)
14791	CakSNP14791	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	193013	(T/G)
14792	CakSNP14792	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	266583	(G/A)
14793	CakSNP14793	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	496626	(G/A)
14794	CakSNP14794	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	528896	(A/C)
14795	CakSNP14795	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	529005	(C/T)
14796	CakSNP14796	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	528979	(T/C)
14797	CakSNP14797	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	528973	(C/G)
14798	CakSNP14798	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625364	(G/A)
14799	CakSNP14799	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625362	(C/T)
14800	CakSNP14800	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625355	(C/T)
14801	CakSNP14801	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625342	(C/T)
14802	CakSNP14802	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625335	(G/A)
14803	CakSNP14803	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625395	(A/G)
14804	CakSNP14804	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625394	(C/T)
14805	CakSNP14805	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625389	(A/C)
14806	CakSNP14806	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625378	(G/A)
14807	CakSNP14807	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625375	(G/A)
14808	CakSNP14808	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625366	(T/C)
14809	CakSNP14809	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625365	(T/C)
14810	CakSNP14810	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625332	(A/C)
14811	CakSNP14811	<i>Kabuli</i>	Ca_Kabuli_Scaffold1751	625396	(G/A)
14812	CakSNP14812	<i>Kabuli</i>	Ca_Kabuli_Scaffold1776	740	(C/T)
14813	CakSNP14813	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164715	(G/A)
14814	CakSNP14814	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164722	(C/G)
14815	CakSNP14815	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164747	(G/A)
14816	CakSNP14816	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164791	(T/G)
14817	CakSNP14817	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164758	(C/T)
14818	CakSNP14818	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164753	(A/G)
14819	CakSNP14819	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	164730	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14820	CakSNP14820	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	169037	(G/T)
14821	CakSNP14821	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	343173	(C/T)
14822	CakSNP14822	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	343185	(G/A)
14823	CakSNP14823	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	448166	(A/G)
14824	CakSNP14824	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	448176	(C/T)
14825	CakSNP14825	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	448187	(G/T)
14826	CakSNP14826	<i>Kabuli</i>	Ca_Kabuli_Scaffold1777	448216	(C/T)
14827	CakSNP14827	<i>Kabuli</i>	Ca_Kabuli_Scaffold1779	957	(G/A)
14828	CakSNP14828	<i>Kabuli</i>	Ca_Kabuli_Scaffold1779	896	(A/G)
14829	CakSNP14829	<i>Kabuli</i>	Ca_Kabuli_Scaffold1779	890	(G/A)
14830	CakSNP14830	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17068	(A/G)
14831	CakSNP14831	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17033	(A/G)
14832	CakSNP14832	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17111	(C/T)
14833	CakSNP14833	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17117	(T/C)
14834	CakSNP14834	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17120	(C/T)
14835	CakSNP14835	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17123	(G/T)
14836	CakSNP14836	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17132	(C/T)
14837	CakSNP14837	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17150	(T/C)
14838	CakSNP14838	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17151	(T/C)
14839	CakSNP14839	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17168	(T/C)
14840	CakSNP14840	<i>Kabuli</i>	Ca_Kabuli_Scaffold1802	17177	(T/A)
14841	CakSNP14841	<i>Kabuli</i>	Ca_Kabuli_Scaffold1835	9398	(C/A)
14842	CakSNP14842	<i>Kabuli</i>	Ca_Kabuli_Scaffold1835	10541	(C/G)
14843	CakSNP14843	<i>Kabuli</i>	Ca_Kabuli_Scaffold1835	10563	(T/C)
14844	CakSNP14844	<i>Kabuli</i>	Ca_Kabuli_Scaffold1844	41899	(C/A)
14845	CakSNP14845	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	16292	(C/G)
14846	CakSNP14846	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	16317	(C/G)
14847	CakSNP14847	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	40886	(T/A)
14848	CakSNP14848	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	40872	(T/G)
14849	CakSNP14849	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	40871	(T/A)
14850	CakSNP14850	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	40842	(T/G)
14851	CakSNP14851	<i>Kabuli</i>	Ca_Kabuli_Scaffold1845	40821	(T/G)
14852	CakSNP14852	<i>Kabuli</i>	Ca_Kabuli_Scaffold1848	583	(A/G)
14853	CakSNP14853	<i>Kabuli</i>	Ca_Kabuli_Scaffold1848	565	(T/C)
14854	CakSNP14854	<i>Kabuli</i>	Ca_Kabuli_Scaffold1848	562	(G/C)
14855	CakSNP14855	<i>Kabuli</i>	Ca_Kabuli_Scaffold1848	532	(G/C)
14856	CakSNP14856	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	11965	(A/G)
14857	CakSNP14857	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	279942	(A/G)

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14858	CakSNP14858	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	280062	(T/C)
14859	CakSNP14859	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	280047	(A/G)
14860	CakSNP14860	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	280023	(C/T)
14861	CakSNP14861	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	280015	(T/C)
14862	CakSNP14862	<i>Kabuli</i>	Ca_Kabuli_Scaffold186	280009	(G/T)
14863	CakSNP14863	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	106318	(T/A)
14864	CakSNP14864	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	106330	(A/T)
14865	CakSNP14865	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	106371	(C/A)
14866	CakSNP14866	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	106374	(A/T)
14867	CakSNP14867	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	106402	(C/T)
14868	CakSNP14868	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	110550	(A/G)
14869	CakSNP14869	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	110570	(G/A)
14870	CakSNP14870	<i>Kabuli</i>	Ca_Kabuli_Scaffold1866	110578	(C/A)
14871	CakSNP14871	<i>Kabuli</i>	Ca_Kabuli_Scaffold1899	148	(T/G)
14872	CakSNP14872	<i>Kabuli</i>	Ca_Kabuli_Scaffold1899	187	(A/G)
14873	CakSNP14873	<i>Kabuli</i>	Ca_Kabuli_Scaffold1899	267	(T/A)
14874	CakSNP14874	<i>Kabuli</i>	Ca_Kabuli_Scaffold1899	200	(G/A)
14875	CakSNP14875	<i>Kabuli</i>	Ca_Kabuli_Scaffold1918	216231	(T/G)
14876	CakSNP14876	<i>Kabuli</i>	Ca_Kabuli_Scaffold1918	216213	(T/C)
14877	CakSNP14877	<i>Kabuli</i>	Ca_Kabuli_Scaffold1918	216180	(C/A)
14878	CakSNP14878	<i>Kabuli</i>	Ca_Kabuli_Scaffold1918	237787	(G/A)
14879	CakSNP14879	<i>Kabuli</i>	Ca_Kabuli_Scaffold1918	245929	(T/C)
14880	CakSNP14880	<i>Kabuli</i>	Ca_Kabuli_Scaffold1928	103092	(A/G)
14881	CakSNP14881	<i>Kabuli</i>	Ca_Kabuli_Scaffold1928	103114	(G/A)
14882	CakSNP14882	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	38279	(C/A)
14883	CakSNP14883	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186538	(C/T)
14884	CakSNP14884	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186523	(T/C)
14885	CakSNP14885	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186515	(T/G)
14886	CakSNP14886	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186510	(C/A)
14887	CakSNP14887	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186584	(A/G)
14888	CakSNP14888	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186582	(C/A)
14889	CakSNP14889	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186587	(G/T)
14890	CakSNP14890	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186588	(C/G)
14891	CakSNP14891	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186595	(C/T)
14892	CakSNP14892	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186598	(A/G)
14893	CakSNP14893	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186611	(G/A)
14894	CakSNP14894	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186639	(C/T)
14895	CakSNP14895	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186651	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14896	CakSNP14896	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186657	(G/A)
14897	CakSNP14897	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	186661	(T/C)
14898	CakSNP14898	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	242763	(T/C)
14899	CakSNP14899	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	242733	(G/T)
14900	CakSNP14900	<i>Kabuli</i>	Ca_Kabuli_Scaffold193	244735	(T/G)
14901	CakSNP14901	<i>Kabuli</i>	Ca_Kabuli_Scaffold1943	163784	(G/A)
14902	CakSNP14902	<i>Kabuli</i>	Ca_Kabuli_Scaffold1943	163780	(C/T)
14903	CakSNP14903	<i>Kabuli</i>	Ca_Kabuli_Scaffold1959	84160	(G/A)
14904	CakSNP14904	<i>Kabuli</i>	Ca_Kabuli_Scaffold1964	54613	(G/A)
14905	CakSNP14905	<i>Kabuli</i>	Ca_Kabuli_Scaffold1964	54604	(T/C)
14906	CakSNP14906	<i>Kabuli</i>	Ca_Kabuli_Scaffold1964	67416	(G/C)
14907	CakSNP14907	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	631160	(G/A)
14908	CakSNP14908	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	631174	(C/T)
14909	CakSNP14909	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	631185	(G/A)
14910	CakSNP14910	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	641266	(C/T)
14911	CakSNP14911	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	641252	(A/G)
14912	CakSNP14912	<i>Kabuli</i>	Ca_Kabuli_Scaffold198	641243	(A/G)
14913	CakSNP14913	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	265110	(A/C)
14914	CakSNP14914	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	265126	(G/T)
14915	CakSNP14915	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	265216	(A/G)
14916	CakSNP14916	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	265191	(T/G)
14917	CakSNP14917	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	269879	(A/G)
14918	CakSNP14918	<i>Kabuli</i>	Ca_Kabuli_Scaffold1981	385683	(T/A)
14919	CakSNP14919	<i>Kabuli</i>	Ca_Kabuli_Scaffold1984	212011	(G/A)
14920	CakSNP14920	<i>Kabuli</i>	Ca_Kabuli_Scaffold1984	215969	(G/C)
14921	CakSNP14921	<i>Kabuli</i>	Ca_Kabuli_Scaffold1984	292507	(A/C)
14922	CakSNP14922	<i>Kabuli</i>	Ca_Kabuli_Scaffold1984	292511	(G/C)
14923	CakSNP14923	<i>Kabuli</i>	Ca_Kabuli_Scaffold1985	98611	(C/T)
14924	CakSNP14924	<i>Kabuli</i>	Ca_Kabuli_Scaffold1985	98659	(C/T)
14925	CakSNP14925	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62009	(C/A)
14926	CakSNP14926	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62121	(G/A)
14927	CakSNP14927	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62085	(A/C)
14928	CakSNP14928	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62115	(G/A)
14929	CakSNP14929	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62131	(G/A)
14930	CakSNP14930	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62154	(T/A)
14931	CakSNP14931	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62147	(G/A)
14932	CakSNP14932	<i>Kabuli</i>	Ca_Kabuli_Scaffold1991	62422	(G/A)
14933	CakSNP14933	<i>Kabuli</i>	Ca_Kabuli_Scaffold2	137309	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14934	CakSNP14934	<i>Kabuli</i>	Ca_Kabuli_Scaffold2	504258	(C/T)
14935	CakSNP14935	<i>Kabuli</i>	Ca_Kabuli_Scaffold2	504253	(C/T)
14936	CakSNP14936	<i>Kabuli</i>	Ca_Kabuli_Scaffold2	504248	(G/A)
14937	CakSNP14937	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	16084	(T/C)
14938	CakSNP14938	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	92532	(C/A)
14939	CakSNP14939	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96456	(T/C)
14940	CakSNP14940	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96444	(G/A)
14941	CakSNP14941	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96532	(G/T)
14942	CakSNP14942	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96589	(A/T)
14943	CakSNP14943	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96580	(T/G)
14944	CakSNP14944	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	96576	(A/G)
14945	CakSNP14945	<i>Kabuli</i>	Ca_Kabuli_Scaffold202	99123	(C/T)
14946	CakSNP14946	<i>Kabuli</i>	Ca_Kabuli_Scaffold2027	100867	(G/C)
14947	CakSNP14947	<i>Kabuli</i>	Ca_Kabuli_Scaffold2027	152763	(C/A)
14948	CakSNP14948	<i>Kabuli</i>	Ca_Kabuli_Scaffold2030	13855	(G/A)
14949	CakSNP14949	<i>Kabuli</i>	Ca_Kabuli_Scaffold2030	13822	(C/T)
14950	CakSNP14950	<i>Kabuli</i>	Ca_Kabuli_Scaffold2030	13807	(G/A)
14951	CakSNP14951	<i>Kabuli</i>	Ca_Kabuli_Scaffold2030	13889	(C/T)
14952	CakSNP14952	<i>Kabuli</i>	Ca_Kabuli_Scaffold2030	13874	(G/T)
14953	CakSNP14953	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	115044	(C/T)
14954	CakSNP14954	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	118686	(C/T)
14955	CakSNP14955	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	118779	(G/T)
14956	CakSNP14956	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	118760	(T/G)
14957	CakSNP14957	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119057	(T/G)
14958	CakSNP14958	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119166	(T/C)
14959	CakSNP14959	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119645	(G/A)
14960	CakSNP14960	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119648	(G/A)
14961	CakSNP14961	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119703	(C/T)
14962	CakSNP14962	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119715	(G/T)
14963	CakSNP14963	<i>Kabuli</i>	Ca_Kabuli_Scaffold2033	119728	(G/A)
14964	CakSNP14964	<i>Kabuli</i>	Ca_Kabuli_Scaffold2039	116734	(A/G)
14965	CakSNP14965	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139597	(A/G)
14966	CakSNP14966	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139585	(A/C)
14967	CakSNP14967	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139584	(G/A)
14968	CakSNP14968	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139581	(G/A)
14969	CakSNP14969	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139560	(G/T)
14970	CakSNP14970	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139550	(G/A)
14971	CakSNP14971	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139548	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14972	CakSNP14972	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139544	(C/A)
14973	CakSNP14973	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139541	(T/C)
14974	CakSNP14974	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139538	(G/A)
14975	CakSNP14975	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139545	(G/A)
14976	CakSNP14976	<i>Kabuli</i>	Ca_Kabuli_Scaffold2040	139603	(C/T)
14977	CakSNP14977	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74448	(T/G)
14978	CakSNP14978	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74430	(A/G)
14979	CakSNP14979	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74397	(G/A)
14980	CakSNP14980	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74399	(C/T)
14981	CakSNP14981	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74424	(T/C)
14982	CakSNP14982	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74432	(G/A)
14983	CakSNP14983	<i>Kabuli</i>	Ca_Kabuli_Scaffold205	74433	(G/A)
14984	CakSNP14984	<i>Kabuli</i>	Ca_Kabuli_Scaffold206	58349	(C/A)
14985	CakSNP14985	<i>Kabuli</i>	Ca_Kabuli_Scaffold206	62985	(G/A)
14986	CakSNP14986	<i>Kabuli</i>	Ca_Kabuli_Scaffold208	344503	(G/T)
14987	CakSNP14987	<i>Kabuli</i>	Ca_Kabuli_Scaffold208	344515	(A/G)
14988	CakSNP14988	<i>Kabuli</i>	Ca_Kabuli_Scaffold208	344519	(A/T)
14989	CakSNP14989	<i>Kabuli</i>	Ca_Kabuli_Scaffold208	344533	(C/T)
14990	CakSNP14990	<i>Kabuli</i>	Ca_Kabuli_Scaffold208	344556	(T/G)
14991	CakSNP14991	<i>Kabuli</i>	Ca_Kabuli_Scaffold2097	54210	(A/C)
14992	CakSNP14992	<i>Kabuli</i>	Ca_Kabuli_Scaffold210	293799	(G/A)
14993	CakSNP14993	<i>Kabuli</i>	Ca_Kabuli_Scaffold210	355284	(G/T)
14994	CakSNP14994	<i>Kabuli</i>	Ca_Kabuli_Scaffold210	533483	(G/A)
14995	CakSNP14995	<i>Kabuli</i>	Ca_Kabuli_Scaffold210	533416	(G/A)
14996	CakSNP14996	<i>Kabuli</i>	Ca_Kabuli_Scaffold210	617431	(T/A)
14997	CakSNP14997	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61757	(T/C)
14998	CakSNP14998	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61745	(T/G)
14999	CakSNP14999	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61734	(T/G)
15000	CakSNP15000	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61723	(G/A)
15001	CakSNP15001	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61710	(C/T)
15002	CakSNP15002	<i>Kabuli</i>	Ca_Kabuli_Scaffold2104	61705	(C/T)
15003	CakSNP15003	<i>Kabuli</i>	Ca_Kabuli_Scaffold2152	372404	(A/T)
15004	CakSNP15004	<i>Kabuli</i>	Ca_Kabuli_Scaffold2166	228653	(G/C)
15005	CakSNP15005	<i>Kabuli</i>	Ca_Kabuli_Scaffold2166	228710	(G/A)
15006	CakSNP15006	<i>Kabuli</i>	Ca_Kabuli_Scaffold2170	4821	(G/A)
15007	CakSNP15007	<i>Kabuli</i>	Ca_Kabuli_Scaffold2192	67485	(A/G)
15008	CakSNP15008	<i>Kabuli</i>	Ca_Kabuli_Scaffold2192	67589	(A/C)
15009	CakSNP15009	<i>Kabuli</i>	Ca_Kabuli_Scaffold221	53841	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15010	CakSNP15010	<i>Kabuli</i>	Ca_Kabuli_Scaffold2248	5538	(A/T)
15011	CakSNP15011	<i>Kabuli</i>	Ca_Kabuli_Scaffold2248	5562	(C/T)
15012	CakSNP15012	<i>Kabuli</i>	Ca_Kabuli_Scaffold2248	5570	(T/C)
15013	CakSNP15013	<i>Kabuli</i>	Ca_Kabuli_Scaffold2248	5520	(C/A)
15014	CakSNP15014	<i>Kabuli</i>	Ca_Kabuli_Scaffold2249	4446	(A/C)
15015	CakSNP15015	<i>Kabuli</i>	Ca_Kabuli_Scaffold2269	58091	(A/T)
15016	CakSNP15016	<i>Kabuli</i>	Ca_Kabuli_Scaffold2269	123799	(A/C)
15017	CakSNP15017	<i>Kabuli</i>	Ca_Kabuli_Scaffold2269	126013	(A/C)
15018	CakSNP15018	<i>Kabuli</i>	Ca_Kabuli_Scaffold2301	70721	(A/G)
15019	CakSNP15019	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	27894	(A/C)
15020	CakSNP15020	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	64157	(T/C)
15021	CakSNP15021	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	65482	(T/G)
15022	CakSNP15022	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	65617	(G/A)
15023	CakSNP15023	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	65650	(C/T)
15024	CakSNP15024	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	83061	(C/T)
15025	CakSNP15025	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	83064	(A/G)
15026	CakSNP15026	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	83077	(G/C)
15027	CakSNP15027	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	83112	(A/G)
15028	CakSNP15028	<i>Kabuli</i>	Ca_Kabuli_Scaffold2330	83116	(G/T)
15029	CakSNP15029	<i>Kabuli</i>	Ca_Kabuli_Scaffold235	67258	(G/T)
15030	CakSNP15030	<i>Kabuli</i>	Ca_Kabuli_Scaffold2371	139149	(A/G)
15031	CakSNP15031	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3818	(A/G)
15032	CakSNP15032	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3815	(T/A)
15033	CakSNP15033	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3811	(C/T)
15034	CakSNP15034	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3793	(C/T)
15035	CakSNP15035	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3923	(T/C)
15036	CakSNP15036	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3871	(A/T)
15037	CakSNP15037	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	3862	(C/T)
15038	CakSNP15038	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	12916	(C/A)
15039	CakSNP15039	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	12969	(G/C)
15040	CakSNP15040	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	12978	(A/T)
15041	CakSNP15041	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	62495	(C/T)
15042	CakSNP15042	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	62494	(A/G)
15043	CakSNP15043	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	62473	(G/A)
15044	CakSNP15044	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	62434	(G/A)
15045	CakSNP15045	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	62433	(A/G)
15046	CakSNP15046	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	127884	(A/C)
15047	CakSNP15047	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	127851	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15048	CakSNP15048	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	127905	(C/T)
15049	CakSNP15049	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	127870	(T/G)
15050	CakSNP15050	<i>Kabuli</i>	Ca_Kabuli_Scaffold2373	127855	(A/C)
15051	CakSNP15051	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	35402	(A/C)
15052	CakSNP15052	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	198120	(G/T)
15053	CakSNP15053	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314304	(T/C)
15054	CakSNP15054	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314322	(T/C)
15055	CakSNP15055	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314323	(G/A)
15056	CakSNP15056	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314343	(G/A)
15057	CakSNP15057	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314344	(T/C)
15058	CakSNP15058	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314349	(C/G)
15059	CakSNP15059	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314353	(G/A)
15060	CakSNP15060	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314345	(G/A)
15061	CakSNP15061	<i>Kabuli</i>	Ca_Kabuli_Scaffold2392	314401	(A/C)
15062	CakSNP15062	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	6231	(T/A)
15063	CakSNP15063	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	6193	(G/A)
15064	CakSNP15064	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	6152	(C/T)
15065	CakSNP15065	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119157	(G/A)
15066	CakSNP15066	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119301	(T/C)
15067	CakSNP15067	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119297	(C/A)
15068	CakSNP15068	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119278	(T/C)
15069	CakSNP15069	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119269	(C/T)
15070	CakSNP15070	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119267	(G/C)
15071	CakSNP15071	<i>Kabuli</i>	Ca_Kabuli_Scaffold240	119265	(C/G)
15072	CakSNP15072	<i>Kabuli</i>	Ca_Kabuli_Scaffold2415	117840	(A/G)
15073	CakSNP15073	<i>Kabuli</i>	Ca_Kabuli_Scaffold2415	117871	(A/C)
15074	CakSNP15074	<i>Kabuli</i>	Ca_Kabuli_Scaffold2415	117882	(A/G)
15075	CakSNP15075	<i>Kabuli</i>	Ca_Kabuli_Scaffold2415	117970	(G/A)
15076	CakSNP15076	<i>Kabuli</i>	Ca_Kabuli_Scaffold242	293872	(A/G)
15077	CakSNP15077	<i>Kabuli</i>	Ca_Kabuli_Scaffold250	38270	(A/G)
15078	CakSNP15078	<i>Kabuli</i>	Ca_Kabuli_Scaffold2501	287	(C/T)
15079	CakSNP15079	<i>Kabuli</i>	Ca_Kabuli_Scaffold2501	282	(C/A)
15080	CakSNP15080	<i>Kabuli</i>	Ca_Kabuli_Scaffold2501	251	(T/G)
15081	CakSNP15081	<i>Kabuli</i>	Ca_Kabuli_Scaffold2501	242	(C/G)
15082	CakSNP15082	<i>Kabuli</i>	Ca_Kabuli_Scaffold2516	58947	(T/C)
15083	CakSNP15083	<i>Kabuli</i>	Ca_Kabuli_Scaffold2521	57762	(T/C)
15084	CakSNP15084	<i>Kabuli</i>	Ca_Kabuli_Scaffold2521	57725	(G/A)
15085	CakSNP15085	<i>Kabuli</i>	Ca_Kabuli_Scaffold2521	57709	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15086	CakSNP15086	<i>Kabuli</i>	Ca_Kabuli_Scaffold2557	110378	(C/T)
15087	CakSNP15087	<i>Kabuli</i>	Ca_Kabuli_Scaffold2557	110414	(T/G)
15088	CakSNP15088	<i>Kabuli</i>	Ca_Kabuli_Scaffold2557	110437	(C/T)
15089	CakSNP15089	<i>Kabuli</i>	Ca_Kabuli_Scaffold2557	110441	(T/A)
15090	CakSNP15090	<i>Kabuli</i>	Ca_Kabuli_Scaffold2569	58152	(T/G)
15091	CakSNP15091	<i>Kabuli</i>	Ca_Kabuli_Scaffold2575	101222	(C/T)
15092	CakSNP15092	<i>Kabuli</i>	Ca_Kabuli_Scaffold2617	467848	(C/T)
15093	CakSNP15093	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	85006	(G/A)
15094	CakSNP15094	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	85003	(C/T)
15095	CakSNP15095	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	84998	(G/A)
15096	CakSNP15096	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	84976	(A/G)
15097	CakSNP15097	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	84970	(T/C)
15098	CakSNP15098	<i>Kabuli</i>	Ca_Kabuli_Scaffold263	84952	(T/G)
15099	CakSNP15099	<i>Kabuli</i>	Ca_Kabuli_Scaffold2720	30699	(C/T)
15100	CakSNP15100	<i>Kabuli</i>	Ca_Kabuli_Scaffold2720	30701	(G/A)
15101	CakSNP15101	<i>Kabuli</i>	Ca_Kabuli_Scaffold2720	30760	(T/C)
15102	CakSNP15102	<i>Kabuli</i>	Ca_Kabuli_Scaffold2720	177550	(G/T)
15103	CakSNP15103	<i>Kabuli</i>	Ca_Kabuli_Scaffold2720	177578	(T/C)
15104	CakSNP15104	<i>Kabuli</i>	Ca_Kabuli_Scaffold2722	52416	(G/T)
15105	CakSNP15105	<i>Kabuli</i>	Ca_Kabuli_Scaffold2722	52397	(G/T)
15106	CakSNP15106	<i>Kabuli</i>	Ca_Kabuli_Scaffold2722	67309	(C/A)
15107	CakSNP15107	<i>Kabuli</i>	Ca_Kabuli_Scaffold2722	75609	(A/G)
15108	CakSNP15108	<i>Kabuli</i>	Ca_Kabuli_Scaffold2728	1371	(G/A)
15109	CakSNP15109	<i>Kabuli</i>	Ca_Kabuli_Scaffold273	202514	(T/G)
15110	CakSNP15110	<i>Kabuli</i>	Ca_Kabuli_Scaffold2738	1307	(G/A)
15111	CakSNP15111	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	208095	(G/A)
15112	CakSNP15112	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	208067	(C/A)
15113	CakSNP15113	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	208786	(G/C)
15114	CakSNP15114	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	230606	(A/G)
15115	CakSNP15115	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	347422	(C/A)
15116	CakSNP15116	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	347384	(G/A)
15117	CakSNP15117	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	347361	(C/T)
15118	CakSNP15118	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	479497	(C/T)
15119	CakSNP15119	<i>Kabuli</i>	Ca_Kabuli_Scaffold275	562610	(C/T)
15120	CakSNP15120	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4688	(A/C)
15121	CakSNP15121	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4706	(G/T)
15122	CakSNP15122	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4719	(G/A)
15123	CakSNP15123	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4732	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15124	CakSNP15124	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4738	(C/G)
15125	CakSNP15125	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4804	(A/T)
15126	CakSNP15126	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4800	(T/A)
15127	CakSNP15127	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4787	(A/G)
15128	CakSNP15128	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	4782	(C/T)
15129	CakSNP15129	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	25756	(T/G)
15130	CakSNP15130	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	25769	(A/G)
15131	CakSNP15131	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	25771	(T/G)
15132	CakSNP15132	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	43207	(G/A)
15133	CakSNP15133	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	49533	(T/A)
15134	CakSNP15134	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82193	(C/A)
15135	CakSNP15135	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82232	(C/T)
15136	CakSNP15136	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82249	(G/A)
15137	CakSNP15137	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82250	(T/C)
15138	CakSNP15138	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82253	(G/C)
15139	CakSNP15139	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82262	(G/C)
15140	CakSNP15140	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82261	(C/G)
15141	CakSNP15141	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82265	(G/T)
15142	CakSNP15142	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82302	(T/A)
15143	CakSNP15143	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82319	(T/C)
15144	CakSNP15144	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82328	(A/G)
15145	CakSNP15145	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82342	(C/T)
15146	CakSNP15146	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82369	(G/A)
15147	CakSNP15147	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82417	(C/T)
15148	CakSNP15148	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	82397	(T/C)
15149	CakSNP15149	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	95823	(G/A)
15150	CakSNP15150	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	99364	(A/G)
15151	CakSNP15151	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	99368	(C/G)
15152	CakSNP15152	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	99549	(C/A)
15153	CakSNP15153	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	104549	(G/C)
15154	CakSNP15154	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	104583	(T/C)
15155	CakSNP15155	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107087	(A/G)
15156	CakSNP15156	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107033	(T/A)
15157	CakSNP15157	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107314	(A/G)
15158	CakSNP15158	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107437	(T/C)
15159	CakSNP15159	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107376	(C/T)
15160	CakSNP15160	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	107413	(A/G)
15161	CakSNP15161	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	108560	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15162	CakSNP15162	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	108599	(T/A)
15163	CakSNP15163	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	108763	(T/G)
15164	CakSNP15164	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	117440	(C/T)
15165	CakSNP15165	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	117430	(A/C)
15166	CakSNP15166	<i>Kabuli</i>	Ca_Kabuli_Scaffold2763	125716	(C/T)
15167	CakSNP15167	<i>Kabuli</i>	Ca_Kabuli_Scaffold280	90875	(G/A)
15168	CakSNP15168	<i>Kabuli</i>	Ca_Kabuli_Scaffold280	90950	(C/A)
15169	CakSNP15169	<i>Kabuli</i>	Ca_Kabuli_Scaffold280	99357	(A/C)
15170	CakSNP15170	<i>Kabuli</i>	Ca_Kabuli_Scaffold280	101752	(G/C)
15171	CakSNP15171	<i>Kabuli</i>	Ca_Kabuli_Scaffold280	111160	(C/A)
15172	CakSNP15172	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56649	(C/T)
15173	CakSNP15173	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56658	(G/A)
15174	CakSNP15174	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56672	(C/G)
15175	CakSNP15175	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56702	(G/A)
15176	CakSNP15176	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56714	(G/C)
15177	CakSNP15177	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	56648	(C/G)
15178	CakSNP15178	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	89844	(A/C)
15179	CakSNP15179	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	89940	(C/T)
15180	CakSNP15180	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	89888	(T/A)
15181	CakSNP15181	<i>Kabuli</i>	Ca_Kabuli_Scaffold2812	89887	(A/T)
15182	CakSNP15182	<i>Kabuli</i>	Ca_Kabuli_Scaffold2815	25626	(C/G)
15183	CakSNP15183	<i>Kabuli</i>	Ca_Kabuli_Scaffold2815	25655	(T/G)
15184	CakSNP15184	<i>Kabuli</i>	Ca_Kabuli_Scaffold2815	25668	(T/G)
15185	CakSNP15185	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	171	(C/T)
15186	CakSNP15186	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	172	(G/A)
15187	CakSNP15187	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	179	(T/G)
15188	CakSNP15188	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	210	(A/G)
15189	CakSNP15189	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	285	(T/G)
15190	CakSNP15190	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	258	(T/C)
15191	CakSNP15191	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	240	(T/G)
15192	CakSNP15192	<i>Kabuli</i>	Ca_Kabuli_Scaffold2827	222	(C/T)
15193	CakSNP15193	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	242841	(A/T)
15194	CakSNP15194	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	242778	(T/C)
15195	CakSNP15195	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	522764	(T/G)
15196	CakSNP15196	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	613764	(G/A)
15197	CakSNP15197	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	613861	(C/T)
15198	CakSNP15198	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	613850	(C/T)
15199	CakSNP15199	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	613811	(G/A)

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15200	CakSNP15200	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	826690	(T/C)
15201	CakSNP15201	<i>Kabuli</i>	Ca_Kabuli_Scaffold284	826644	(G/A)
15202	CakSNP15202	<i>Kabuli</i>	Ca_Kabuli_Scaffold2845	7107	(G/A)
15203	CakSNP15203	<i>Kabuli</i>	Ca_Kabuli_Scaffold2848	2403	(C/A)
15204	CakSNP15204	<i>Kabuli</i>	Ca_Kabuli_Scaffold2848	2444	(C/A)
15205	CakSNP15205	<i>Kabuli</i>	Ca_Kabuli_Scaffold2848	2517	(G/A)
15206	CakSNP15206	<i>Kabuli</i>	Ca_Kabuli_Scaffold2848	2464	(A/G)
15207	CakSNP15207	<i>Kabuli</i>	Ca_Kabuli_Scaffold2853	14852	(C/G)
15208	CakSNP15208	<i>Kabuli</i>	Ca_Kabuli_Scaffold2853	14916	(A/G)
15209	CakSNP15209	<i>Kabuli</i>	Ca_Kabuli_Scaffold2853	14917	(G/A)
15210	CakSNP15210	<i>Kabuli</i>	Ca_Kabuli_Scaffold2853	15100	(T/C)
15211	CakSNP15211	<i>Kabuli</i>	Ca_Kabuli_Scaffold2853	15086	(G/A)
15212	CakSNP15212	<i>Kabuli</i>	Ca_Kabuli_Scaffold287	3224	(G/A)
15213	CakSNP15213	<i>Kabuli</i>	Ca_Kabuli_Scaffold287	163600	(G/C)
15214	CakSNP15214	<i>Kabuli</i>	Ca_Kabuli_Scaffold287	163591	(C/A)
15215	CakSNP15215	<i>Kabuli</i>	Ca_Kabuli_Scaffold287	163576	(G/A)
15216	CakSNP15216	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179998	(T/C)
15217	CakSNP15217	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179993	(C/T)
15218	CakSNP15218	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179984	(G/T)
15219	CakSNP15219	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179940	(G/A)
15220	CakSNP15220	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179937	(C/G)
15221	CakSNP15221	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	179969	(A/T)
15222	CakSNP15222	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	211634	(A/C)
15223	CakSNP15223	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	212536	(A/C)
15224	CakSNP15224	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	212514	(C/T)
15225	CakSNP15225	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	255161	(G/A)
15226	CakSNP15226	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	728010	(T/A)
15227	CakSNP15227	<i>Kabuli</i>	Ca_Kabuli_Scaffold290	824906	(C/T)
15228	CakSNP15228	<i>Kabuli</i>	Ca_Kabuli_Scaffold2907	31202	(G/A)
15229	CakSNP15229	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	32650	(C/T)
15230	CakSNP15230	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	32703	(A/C)
15231	CakSNP15231	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	32739	(C/A)
15232	CakSNP15232	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	32776	(T/A)
15233	CakSNP15233	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	33081	(A/G)
15234	CakSNP15234	<i>Kabuli</i>	Ca_Kabuli_Scaffold2950	33207	(C/T)
15235	CakSNP15235	<i>Kabuli</i>	Ca_Kabuli_Scaffold296	41422	(T/G)
15236	CakSNP15236	<i>Kabuli</i>	Ca_Kabuli_Scaffold296	59691	(G/A)
15237	CakSNP15237	<i>Kabuli</i>	Ca_Kabuli_Scaffold296	59758	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15238	CakSNP15238	<i>Kabuli</i>	Ca_Kabuli_Scaffold296	59883	(A/C)
15239	CakSNP15239	<i>Kabuli</i>	Ca_Kabuli_Scaffold296	361664	(T/C)
15240	CakSNP15240	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	199050	(A/T)
15241	CakSNP15241	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	199067	(A/T)
15242	CakSNP15242	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	199068	(G/T)
15243	CakSNP15243	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	199087	(G/A)
15244	CakSNP15244	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	199073	(G/A)
15245	CakSNP15245	<i>Kabuli</i>	Ca_Kabuli_Scaffold299	204540	(G/A)
15246	CakSNP15246	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111914	(C/T)
15247	CakSNP15247	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111924	(C/T)
15248	CakSNP15248	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111926	(G/A)
15249	CakSNP15249	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111933	(C/T)
15250	CakSNP15250	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111936	(C/A)
15251	CakSNP15251	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111972	(A/T)
15252	CakSNP15252	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111973	(A/T)
15253	CakSNP15253	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111976	(C/T)
15254	CakSNP15254	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	112011	(T/C)
15255	CakSNP15255	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	112006	(G/A)
15256	CakSNP15256	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	112005	(G/A)
15257	CakSNP15257	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111959	(C/T)
15258	CakSNP15258	<i>Kabuli</i>	Ca_Kabuli_Scaffold300	111964	(C/T)
15259	CakSNP15259	<i>Kabuli</i>	Ca_Kabuli_Scaffold3016	32790	(C/T)
15260	CakSNP15260	<i>Kabuli</i>	Ca_Kabuli_Scaffold303	18213	(G/A)
15261	CakSNP15261	<i>Kabuli</i>	Ca_Kabuli_Scaffold305	49263	(G/A)
15262	CakSNP15262	<i>Kabuli</i>	Ca_Kabuli_Scaffold305	49266	(T/G)
15263	CakSNP15263	<i>Kabuli</i>	Ca_Kabuli_Scaffold305	49278	(C/A)
15264	CakSNP15264	<i>Kabuli</i>	Ca_Kabuli_Scaffold305	138929	(G/A)
15265	CakSNP15265	<i>Kabuli</i>	Ca_Kabuli_Scaffold306	15514	(C/T)
15266	CakSNP15266	<i>Kabuli</i>	Ca_Kabuli_Scaffold306	19215	(C/A)
15267	CakSNP15267	<i>Kabuli</i>	Ca_Kabuli_Scaffold306	85993	(T/A)
15268	CakSNP15268	<i>Kabuli</i>	Ca_Kabuli_Scaffold306	88389	(T/A)
15269	CakSNP15269	<i>Kabuli</i>	Ca_Kabuli_Scaffold3084	4409	(G/A)
15270	CakSNP15270	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	9421	(G/A)
15271	CakSNP15271	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	143696	(C/G)
15272	CakSNP15272	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	143813	(C/G)
15273	CakSNP15273	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	144354	(C/T)
15274	CakSNP15274	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	144508	(C/T)
15275	CakSNP15275	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	145639	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15276	CakSNP15276	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	152546	(A/G)
15277	CakSNP15277	<i>Kabuli</i>	Ca_Kabuli_Scaffold308_2	152576	(G/T)
15278	CakSNP15278	<i>Kabuli</i>	Ca_Kabuli_Scaffold311	86652	(C/A)
15279	CakSNP15279	<i>Kabuli</i>	Ca_Kabuli_Scaffold311	86677	(C/T)
15280	CakSNP15280	<i>Kabuli</i>	Ca_Kabuli_Scaffold311	86658	(C/T)
15281	CakSNP15281	<i>Kabuli</i>	Ca_Kabuli_Scaffold311	86670	(G/A)
15282	CakSNP15282	<i>Kabuli</i>	Ca_Kabuli_Scaffold3116	159	(T/G)
15283	CakSNP15283	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	432453	(T/C)
15284	CakSNP15284	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	432471	(A/G)
15285	CakSNP15285	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	535269	(A/C)
15286	CakSNP15286	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	535266	(A/C)
15287	CakSNP15287	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	535263	(T/C)
15288	CakSNP15288	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	610535	(C/G)
15289	CakSNP15289	<i>Kabuli</i>	Ca_Kabuli_Scaffold314	624361	(C/T)
15290	CakSNP15290	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7438	(A/C)
15291	CakSNP15291	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7442	(T/C)
15292	CakSNP15292	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7443	(A/G)
15293	CakSNP15293	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7444	(A/G)
15294	CakSNP15294	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7455	(T/G)
15295	CakSNP15295	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7462	(A/G)
15296	CakSNP15296	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7464	(T/A)
15297	CakSNP15297	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7472	(A/G)
15298	CakSNP15298	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7477	(C/G)
15299	CakSNP15299	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	7480	(G/A)
15300	CakSNP15300	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	9404	(C/T)
15301	CakSNP15301	<i>Kabuli</i>	Ca_Kabuli_Scaffold3155	9746	(A/T)
15302	CakSNP15302	<i>Kabuli</i>	Ca_Kabuli_Scaffold3170	56261	(A/G)
15303	CakSNP15303	<i>Kabuli</i>	Ca_Kabuli_Scaffold322	55475	(G/A)
15304	CakSNP15304	<i>Kabuli</i>	Ca_Kabuli_Scaffold322	55479	(G/T)
15305	CakSNP15305	<i>Kabuli</i>	Ca_Kabuli_Scaffold322	55589	(A/T)
15306	CakSNP15306	<i>Kabuli</i>	Ca_Kabuli_Scaffold3228	2926	(C/T)
15307	CakSNP15307	<i>Kabuli</i>	Ca_Kabuli_Scaffold3228	23138	(A/G)
15308	CakSNP15308	<i>Kabuli</i>	Ca_Kabuli_Scaffold3228	23190	(G/C)
15309	CakSNP15309	<i>Kabuli</i>	Ca_Kabuli_Scaffold3228	23315	(C/A)
15310	CakSNP15310	<i>Kabuli</i>	Ca_Kabuli_Scaffold3228	23270	(A/C)
15311	CakSNP15311	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15569	(A/C)
15312	CakSNP15312	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15574	(G/A)
15313	CakSNP15313	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15575	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15314	CakSNP15314	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15581	(G/C)
15315	CakSNP15315	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15590	(G/T)
15316	CakSNP15316	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15593	(G/A)
15317	CakSNP15317	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15594	(C/A)
15318	CakSNP15318	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15614	(C/T)
15319	CakSNP15319	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15619	(A/G)
15320	CakSNP15320	<i>Kabuli</i>	Ca_Kabuli_Scaffold324	15636	(G/A)
15321	CakSNP15321	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	15616	(A/G)
15322	CakSNP15322	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	28089	(T/C)
15323	CakSNP15323	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31210	(T/A)
15324	CakSNP15324	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31217	(C/T)
15325	CakSNP15325	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31219	(A/C)
15326	CakSNP15326	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31224	(T/G)
15327	CakSNP15327	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31229	(G/T)
15328	CakSNP15328	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31242	(C/A)
15329	CakSNP15329	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31344	(A/G)
15330	CakSNP15330	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31325	(T/A)
15331	CakSNP15331	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31322	(G/A)
15332	CakSNP15332	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31311	(G/A)
15333	CakSNP15333	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	31303	(T/C)
15334	CakSNP15334	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	39157	(T/A)
15335	CakSNP15335	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	46644	(G/A)
15336	CakSNP15336	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	186218	(G/A)
15337	CakSNP15337	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	186203	(C/G)
15338	CakSNP15338	<i>Kabuli</i>	Ca_Kabuli_Scaffold3254_2	186243	(A/C)
15339	CakSNP15339	<i>Kabuli</i>	Ca_Kabuli_Scaffold3284	2735	(T/C)
15340	CakSNP15340	<i>Kabuli</i>	Ca_Kabuli_Scaffold332	203691	(T/A)
15341	CakSNP15341	<i>Kabuli</i>	Ca_Kabuli_Scaffold332	204783	(A/G)
15342	CakSNP15342	<i>Kabuli</i>	Ca_Kabuli_Scaffold332	204785	(G/A)
15343	CakSNP15343	<i>Kabuli</i>	Ca_Kabuli_Scaffold332	204952	(G/A)
15344	CakSNP15344	<i>Kabuli</i>	Ca_Kabuli_Scaffold3321	17935	(C/A)
15345	CakSNP15345	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	17963	(C/T)
15346	CakSNP15346	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	17999	(T/G)
15347	CakSNP15347	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	18022	(C/T)
15348	CakSNP15348	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	18026	(T/A)
15349	CakSNP15349	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	17959	(A/G)
15350	CakSNP15350	<i>Kabuli</i>	Ca_Kabuli_Scaffold3337	17956	(G/A)
15351	CakSNP15351	<i>Kabuli</i>	Ca_Kabuli_Scaffold334	43160	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15352	CakSNP15352	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60951	(T/C)
15353	CakSNP15353	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60952	(T/C)
15354	CakSNP15354	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60956	(T/C)
15355	CakSNP15355	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60957	(T/C)
15356	CakSNP15356	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60960	(T/C)
15357	CakSNP15357	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60961	(C/T)
15358	CakSNP15358	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60962	(T/G)
15359	CakSNP15359	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	60906	(T/G)
15360	CakSNP15360	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	135942	(T/A)
15361	CakSNP15361	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136017	(C/G)
15362	CakSNP15362	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	135969	(C/T)
15363	CakSNP15363	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	135976	(C/T)
15364	CakSNP15364	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136077	(G/C)
15365	CakSNP15365	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136076	(G/C)
15366	CakSNP15366	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136073	(G/A)
15367	CakSNP15367	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136051	(T/A)
15368	CakSNP15368	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136030	(G/A)
15369	CakSNP15369	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136129	(T/C)
15370	CakSNP15370	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136109	(G/T)
15371	CakSNP15371	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136106	(G/A)
15372	CakSNP15372	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136096	(T/C)
15373	CakSNP15373	<i>Kabuli</i>	Ca_Kabuli_Scaffold335	136091	(G/A)
15374	CakSNP15374	<i>Kabuli</i>	Ca_Kabuli_Scaffold336	468863	(T/A)
15375	CakSNP15375	<i>Kabuli</i>	Ca_Kabuli_Scaffold336	563363	(C/T)
15376	CakSNP15376	<i>Kabuli</i>	Ca_Kabuli_Scaffold336	618427	(C/T)
15377	CakSNP15377	<i>Kabuli</i>	Ca_Kabuli_Scaffold336	771169	(C/T)
15378	CakSNP15378	<i>Kabuli</i>	Ca_Kabuli_Scaffold336	771175	(C/T)
15379	CakSNP15379	<i>Kabuli</i>	Ca_Kabuli_Scaffold3362	69878	(C/A)
15380	CakSNP15380	<i>Kabuli</i>	Ca_Kabuli_Scaffold338	14666	(T/G)
15381	CakSNP15381	<i>Kabuli</i>	Ca_Kabuli_Scaffold3397	45363	(T/C)
15382	CakSNP15382	<i>Kabuli</i>	Ca_Kabuli_Scaffold342	311411	(G/A)
15383	CakSNP15383	<i>Kabuli</i>	Ca_Kabuli_Scaffold342	311394	(A/C)
15384	CakSNP15384	<i>Kabuli</i>	Ca_Kabuli_Scaffold342	359376	(A/C)
15385	CakSNP15385	<i>Kabuli</i>	Ca_Kabuli_Scaffold3422	13376	(T/A)
15386	CakSNP15386	<i>Kabuli</i>	Ca_Kabuli_Scaffold346_1	67110	(G/T)
15387	CakSNP15387	<i>Kabuli</i>	Ca_Kabuli_Scaffold346_1	105461	(A/G)
15388	CakSNP15388	<i>Kabuli</i>	Ca_Kabuli_Scaffold346_1	105521	(A/C)
15389	CakSNP15389	<i>Kabuli</i>	Ca_Kabuli_Scaffold346_1	105523	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15390	CakSNP15390	<i>Kabuli</i>	Ca_Kabuli_Scaffold346_1	105546	(C/T)
15391	CakSNP15391	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51381	(A/T)
15392	CakSNP15392	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51396	(G/A)
15393	CakSNP15393	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51414	(C/T)
15394	CakSNP15394	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51435	(C/T)
15395	CakSNP15395	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51548	(T/C)
15396	CakSNP15396	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51637	(T/A)
15397	CakSNP15397	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	51624	(G/A)
15398	CakSNP15398	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	174027	(G/C)
15399	CakSNP15399	<i>Kabuli</i>	Ca_Kabuli_Scaffold349	174039	(A/T)
15400	CakSNP15400	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42134	(G/A)
15401	CakSNP15401	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42135	(G/T)
15402	CakSNP15402	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42156	(G/A)
15403	CakSNP15403	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42163	(T/C)
15404	CakSNP15404	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42164	(A/G)
15405	CakSNP15405	<i>Kabuli</i>	Ca_Kabuli_Scaffold3514	42175	(G/A)
15406	CakSNP15406	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22672	(C/T)
15407	CakSNP15407	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22675	(G/A)
15408	CakSNP15408	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22693	(C/T)
15409	CakSNP15409	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22708	(A/G)
15410	CakSNP15410	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22787	(A/G)
15411	CakSNP15411	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22777	(T/G)
15412	CakSNP15412	<i>Kabuli</i>	Ca_Kabuli_Scaffold352	22726	(A/C)
15413	CakSNP15413	<i>Kabuli</i>	Ca_Kabuli_Scaffold36	167556	(C/T)
15414	CakSNP15414	<i>Kabuli</i>	Ca_Kabuli_Scaffold36	226511	(A/G)
15415	CakSNP15415	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84943	(A/G)
15416	CakSNP15416	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84945	(T/C)
15417	CakSNP15417	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84954	(T/C)
15418	CakSNP15418	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84972	(C/A)
15419	CakSNP15419	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84988	(T/G)
15420	CakSNP15420	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	84994	(G/A)
15421	CakSNP15421	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	164620	(C/T)
15422	CakSNP15422	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	164789	(T/C)
15423	CakSNP15423	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	164787	(C/T)
15424	CakSNP15424	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	196556	(G/A)
15425	CakSNP15425	<i>Kabuli</i>	Ca_Kabuli_Scaffold362	219176	(T/C)
15426	CakSNP15426	<i>Kabuli</i>	Ca_Kabuli_Scaffold366	61810	(C/T)
15427	CakSNP15427	<i>Kabuli</i>	Ca_Kabuli_Scaffold369	162735	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15428	CakSNP15428	<i>Kabuli</i>	Ca_Kabuli_Scaffold3693	81068	(C/T)
15429	CakSNP15429	<i>Kabuli</i>	Ca_Kabuli_Scaffold3693	81080	(C/A)
15430	CakSNP15430	<i>Kabuli</i>	Ca_Kabuli_Scaffold3693	81204	(C/T)
15431	CakSNP15431	<i>Kabuli</i>	Ca_Kabuli_Scaffold3724	68378	(G/A)
15432	CakSNP15432	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132907	(A/C)
15433	CakSNP15433	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132896	(T/C)
15434	CakSNP15434	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132873	(A/G)
15435	CakSNP15435	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132859	(C/T)
15436	CakSNP15436	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132858	(G/A)
15437	CakSNP15437	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132849	(A/C)
15438	CakSNP15438	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	132843	(C/T)
15439	CakSNP15439	<i>Kabuli</i>	Ca_Kabuli_Scaffold374	198368	(T/C)
15440	CakSNP15440	<i>Kabuli</i>	Ca_Kabuli_Scaffold377	393535	(G/T)
15441	CakSNP15441	<i>Kabuli</i>	Ca_Kabuli_Scaffold377	393538	(G/A)
15442	CakSNP15442	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	69075	(A/C)
15443	CakSNP15443	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	144442	(G/A)
15444	CakSNP15444	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	177306	(T/C)
15445	CakSNP15445	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	177354	(G/A)
15446	CakSNP15446	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	177340	(C/T)
15447	CakSNP15447	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	227608	(A/T)
15448	CakSNP15448	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	227604	(C/A)
15449	CakSNP15449	<i>Kabuli</i>	Ca_Kabuli_Scaffold379	227597	(T/A)
15450	CakSNP15450	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	69499	(A/G)
15451	CakSNP15451	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	413691	(G/A)
15452	CakSNP15452	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	413713	(A/C)
15453	CakSNP15453	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	413719	(G/A)
15454	CakSNP15454	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	457392	(C/A)
15455	CakSNP15455	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	457596	(T/A)
15456	CakSNP15456	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	520372	(T/G)
15457	CakSNP15457	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	520311	(G/A)
15458	CakSNP15458	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	520377	(T/C)
15459	CakSNP15459	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	537059	(A/T)
15460	CakSNP15460	<i>Kabuli</i>	Ca_Kabuli_Scaffold38	537063	(C/T)
15461	CakSNP15461	<i>Kabuli</i>	Ca_Kabuli_Scaffold3819	450	(T/A)
15462	CakSNP15462	<i>Kabuli</i>	Ca_Kabuli_Scaffold382	36686	(A/T)
15463	CakSNP15463	<i>Kabuli</i>	Ca_Kabuli_Scaffold382	36703	(A/T)
15464	CakSNP15464	<i>Kabuli</i>	Ca_Kabuli_Scaffold382	36704	(G/T)
15465	CakSNP15465	<i>Kabuli</i>	Ca_Kabuli_Scaffold382	36709	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15466	CakSNP15466	<i>Kabuli</i>	Ca_Kabuli_Scaffold382	36674	(G/A)
15467	CakSNP15467	<i>Kabuli</i>	Ca_Kabuli_Scaffold3824	26207	(G/A)
15468	CakSNP15468	<i>Kabuli</i>	Ca_Kabuli_Scaffold3824	26267	(G/A)
15469	CakSNP15469	<i>Kabuli</i>	Ca_Kabuli_Scaffold3824	26327	(G/A)
15470	CakSNP15470	<i>Kabuli</i>	Ca_Kabuli_Scaffold3824	26387	(G/A)
15471	CakSNP15471	<i>Kabuli</i>	Ca_Kabuli_Scaffold3865	12265	(T/A)
15472	CakSNP15472	<i>Kabuli</i>	Ca_Kabuli_Scaffold3865	65093	(T/C)
15473	CakSNP15473	<i>Kabuli</i>	Ca_Kabuli_Scaffold3865	65127	(C/A)
15474	CakSNP15474	<i>Kabuli</i>	Ca_Kabuli_Scaffold3865	65129	(T/A)
15475	CakSNP15475	<i>Kabuli</i>	Ca_Kabuli_Scaffold387	3263	(G/A)
15476	CakSNP15476	<i>Kabuli</i>	Ca_Kabuli_Scaffold387	3219	(C/A)
15477	CakSNP15477	<i>Kabuli</i>	Ca_Kabuli_Scaffold387	3309	(T/C)
15478	CakSNP15478	<i>Kabuli</i>	Ca_Kabuli_Scaffold387	3316	(G/A)
15479	CakSNP15479	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	3367	(G/A)
15480	CakSNP15480	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	3371	(G/A)
15481	CakSNP15481	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	3880	(G/T)
15482	CakSNP15482	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	3879	(T/C)
15483	CakSNP15483	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	7260	(T/A)
15484	CakSNP15484	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	13468	(C/T)
15485	CakSNP15485	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	13440	(C/T)
15486	CakSNP15486	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	13892	(C/G)
15487	CakSNP15487	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	18891	(A/T)
15488	CakSNP15488	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	18892	(G/C)
15489	CakSNP15489	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	19359	(G/A)
15490	CakSNP15490	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	19366	(G/T)
15491	CakSNP15491	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	19367	(A/T)
15492	CakSNP15492	<i>Kabuli</i>	Ca_Kabuli_Scaffold3945	19368	(A/C)
15493	CakSNP15493	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130566	(T/C)
15494	CakSNP15494	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130671	(A/G)
15495	CakSNP15495	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130639	(C/A)
15496	CakSNP15496	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130636	(G/A)
15497	CakSNP15497	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130635	(G/T)
15498	CakSNP15498	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130624	(A/G)
15499	CakSNP15499	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	130621	(C/A)
15500	CakSNP15500	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	195890	(A/G)
15501	CakSNP15501	<i>Kabuli</i>	Ca_Kabuli_Scaffold396	297325	(G/C)
15502	CakSNP15502	<i>Kabuli</i>	Ca_Kabuli_Scaffold398	246956	(C/T)
15503	CakSNP15503	<i>Kabuli</i>	Ca_Kabuli_Scaffold398	247004	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15504	CakSNP15504	<i>Kabuli</i>	Ca_Kabuli_Scaffold398	441570	(C/T)
15505	CakSNP15505	<i>Kabuli</i>	Ca_Kabuli_Scaffold398	441605	(C/A)
15506	CakSNP15506	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	386189	(A/C)
15507	CakSNP15507	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	497729	(T/C)
15508	CakSNP15508	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	542951	(C/G)
15509	CakSNP15509	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	548453	(A/G)
15510	CakSNP15510	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	636910	(C/T)
15511	CakSNP15511	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	691226	(C/G)
15512	CakSNP15512	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	871303	(A/C)
15513	CakSNP15513	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	911602	(T/G)
15514	CakSNP15514	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	968798	(G/A)
15515	CakSNP15515	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	996604	(T/C)
15516	CakSNP15516	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1014875	(G/A)
15517	CakSNP15517	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1014834	(T/A)
15518	CakSNP15518	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1014826	(C/T)
15519	CakSNP15519	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1014805	(C/T)
15520	CakSNP15520	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1039218	(T/C)
15521	CakSNP15521	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1039233	(A/T)
15522	CakSNP15522	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1049594	(G/A)
15523	CakSNP15523	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1050111	(C/T)
15524	CakSNP15524	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1050164	(C/T)
15525	CakSNP15525	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1050255	(T/C)
15526	CakSNP15526	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1050175	(G/C)
15527	CakSNP15527	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1052597	(T/C)
15528	CakSNP15528	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1052983	(G/A)
15529	CakSNP15529	<i>Kabuli</i>	Ca_Kabuli_Scaffold40	1053215	(G/A)
15530	CakSNP15530	<i>Kabuli</i>	Ca_Kabuli_Scaffold401	49065	(G/A)
15531	CakSNP15531	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	93334	(T/C)
15532	CakSNP15532	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	93347	(C/T)
15533	CakSNP15533	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	96223	(G/C)
15534	CakSNP15534	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	97602	(T/C)
15535	CakSNP15535	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	130271	(G/A)
15536	CakSNP15536	<i>Kabuli</i>	Ca_Kabuli_Scaffold4011	130213	(G/A)
15537	CakSNP15537	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	273203	(C/A)
15538	CakSNP15538	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	273209	(C/A)
15539	CakSNP15539	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	273220	(G/A)
15540	CakSNP15540	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	273245	(C/T)
15541	CakSNP15541	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	285941	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15542	CakSNP15542	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	285952	(T/C)
15543	CakSNP15543	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	285958	(C/G)
15544	CakSNP15544	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	285987	(G/A)
15545	CakSNP15545	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	285999	(T/G)
15546	CakSNP15546	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	286013	(T/A)
15547	CakSNP15547	<i>Kabuli</i>	Ca_Kabuli_Scaffold404	355859	(G/A)
15548	CakSNP15548	<i>Kabuli</i>	Ca_Kabuli_Scaffold4057	16503	(C/G)
15549	CakSNP15549	<i>Kabuli</i>	Ca_Kabuli_Scaffold41	14657	(C/A)
15550	CakSNP15550	<i>Kabuli</i>	Ca_Kabuli_Scaffold41	122583	(G/C)
15551	CakSNP15551	<i>Kabuli</i>	Ca_Kabuli_Scaffold4102	1035	(C/G)
15552	CakSNP15552	<i>Kabuli</i>	Ca_Kabuli_Scaffold4102	1136	(A/G)
15553	CakSNP15553	<i>Kabuli</i>	Ca_Kabuli_Scaffold4102	1160	(T/C)
15554	CakSNP15554	<i>Kabuli</i>	Ca_Kabuli_Scaffold4102	1163	(G/T)
15555	CakSNP15555	<i>Kabuli</i>	Ca_Kabuli_Scaffold4102	1346	(C/T)
15556	CakSNP15556	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	60078	(C/T)
15557	CakSNP15557	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323122	(T/C)
15558	CakSNP15558	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323140	(T/C)
15559	CakSNP15559	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323141	(G/A)
15560	CakSNP15560	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323147	(T/C)
15561	CakSNP15561	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323161	(G/A)
15562	CakSNP15562	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323162	(T/C)
15563	CakSNP15563	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323167	(C/G)
15564	CakSNP15564	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323179	(T/G)
15565	CakSNP15565	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323114	(C/G)
15566	CakSNP15566	<i>Kabuli</i>	Ca_Kabuli_Scaffold411	323215	(T/C)
15567	CakSNP15567	<i>Kabuli</i>	Ca_Kabuli_Scaffold415	8479	(A/C)
15568	CakSNP15568	<i>Kabuli</i>	Ca_Kabuli_Scaffold415	8529	(G/A)
15569	CakSNP15569	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	6092	(C/G)
15570	CakSNP15570	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	6094	(T/G)
15571	CakSNP15571	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	13769	(T/G)
15572	CakSNP15572	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	13804	(T/G)
15573	CakSNP15573	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	13808	(A/G)
15574	CakSNP15574	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	13811	(G/A)
15575	CakSNP15575	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	13812	(C/A)
15576	CakSNP15576	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	151140	(G/T)
15577	CakSNP15577	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	151205	(C/T)
15578	CakSNP15578	<i>Kabuli</i>	Ca_Kabuli_Scaffold418	151256	(G/A)
15579	CakSNP15579	<i>Kabuli</i>	Ca_Kabuli_Scaffold419	73537	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15580	CakSNP15580	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	34145	(T/G)
15581	CakSNP15581	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	42532	(G/A)
15582	CakSNP15582	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	42739	(C/T)
15583	CakSNP15583	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	42811	(C/T)
15584	CakSNP15584	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	42877	(T/C)
15585	CakSNP15585	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	43372	(C/T)
15586	CakSNP15586	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92756	(C/T)
15587	CakSNP15587	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92759	(A/G)
15588	CakSNP15588	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92784	(C/T)
15589	CakSNP15589	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92813	(G/T)
15590	CakSNP15590	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92865	(G/T)
15591	CakSNP15591	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92846	(C/T)
15592	CakSNP15592	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	92801	(A/C)
15593	CakSNP15593	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	149744	(C/G)
15594	CakSNP15594	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	242536	(G/T)
15595	CakSNP15595	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	242503	(C/T)
15596	CakSNP15596	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	242487	(A/G)
15597	CakSNP15597	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	242922	(A/C)
15598	CakSNP15598	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	254661	(T/G)
15599	CakSNP15599	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	341146	(T/A)
15600	CakSNP15600	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	341184	(A/G)
15601	CakSNP15601	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	341202	(T/G)
15602	CakSNP15602	<i>Kabuli</i>	Ca_Kabuli_Scaffold420	341206	(G/A)
15603	CakSNP15603	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_1	25389	(G/A)
15604	CakSNP15604	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_1	71804	(A/G)
15605	CakSNP15605	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_1	71770	(G/T)
15606	CakSNP15606	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	142859	(G/C)
15607	CakSNP15607	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	341095	(C/A)
15608	CakSNP15608	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	341136	(C/A)
15609	CakSNP15609	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	446961	(G/A)
15610	CakSNP15610	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	446976	(C/A)
15611	CakSNP15611	<i>Kabuli</i>	Ca_Kabuli_Scaffold421_2	446979	(C/T)
15612	CakSNP15612	<i>Kabuli</i>	Ca_Kabuli_Scaffold424	32402	(C/G)
15613	CakSNP15613	<i>Kabuli</i>	Ca_Kabuli_Scaffold4331	4044	(T/G)
15614	CakSNP15614	<i>Kabuli</i>	Ca_Kabuli_Scaffold44	66309	(A/C)
15615	CakSNP15615	<i>Kabuli</i>	Ca_Kabuli_Scaffold44	66280	(G/A)
15616	CakSNP15616	<i>Kabuli</i>	Ca_Kabuli_Scaffold44	87412	(G/A)
15617	CakSNP15617	<i>Kabuli</i>	Ca_Kabuli_Scaffold4414	276	(C/T)

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15618	CakSNP15618	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	20003	(G/A)
15619	CakSNP15619	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	20005	(G/A)
15620	CakSNP15620	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	20038	(A/G)
15621	CakSNP15621	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	20010	(G/A)
15622	CakSNP15622	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	29414	(G/T)
15623	CakSNP15623	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	36715	(A/T)
15624	CakSNP15624	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	69950	(A/C)
15625	CakSNP15625	<i>Kabuli</i>	Ca_Kabuli_Scaffold4452	70041	(T/C)
15626	CakSNP15626	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	132367	(C/T)
15627	CakSNP15627	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	132427	(A/T)
15628	CakSNP15628	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	197287	(G/A)
15629	CakSNP15629	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	197272	(G/A)
15630	CakSNP15630	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	197262	(T/G)
15631	CakSNP15631	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	197230	(C/A)
15632	CakSNP15632	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	197226	(G/A)
15633	CakSNP15633	<i>Kabuli</i>	Ca_Kabuli_Scaffold450	250303	(G/T)
15634	CakSNP15634	<i>Kabuli</i>	Ca_Kabuli_Scaffold451	103555	(G/C)
15635	CakSNP15635	<i>Kabuli</i>	Ca_Kabuli_Scaffold451	103596	(A/G)
15636	CakSNP15636	<i>Kabuli</i>	Ca_Kabuli_Scaffold451	117231	(A/G)
15637	CakSNP15637	<i>Kabuli</i>	Ca_Kabuli_Scaffold451	117300	(C/A)
15638	CakSNP15638	<i>Kabuli</i>	Ca_Kabuli_Scaffold4511	40072	(C/A)
15639	CakSNP15639	<i>Kabuli</i>	Ca_Kabuli_Scaffold4511	40014	(C/T)
15640	CakSNP15640	<i>Kabuli</i>	Ca_Kabuli_Scaffold4511	40089	(C/T)
15641	CakSNP15641	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1892	(G/A)
15642	CakSNP15642	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1881	(A/G)
15643	CakSNP15643	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1841	(A/G)
15644	CakSNP15644	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1837	(A/C)
15645	CakSNP15645	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1836	(A/G)
15646	CakSNP15646	<i>Kabuli</i>	Ca_Kabuli_Scaffold452	1835	(C/T)
15647	CakSNP15647	<i>Kabuli</i>	Ca_Kabuli_Scaffold453	303193	(T/C)
15648	CakSNP15648	<i>Kabuli</i>	Ca_Kabuli_Scaffold453	303201	(G/C)
15649	CakSNP15649	<i>Kabuli</i>	Ca_Kabuli_Scaffold453	303246	(A/G)
15650	CakSNP15650	<i>Kabuli</i>	Ca_Kabuli_Scaffold453	303248	(C/T)
15651	CakSNP15651	<i>Kabuli</i>	Ca_Kabuli_Scaffold453	303259	(C/G)
15652	CakSNP15652	<i>Kabuli</i>	Ca_Kabuli_Scaffold46	39438	(C/A)
15653	CakSNP15653	<i>Kabuli</i>	Ca_Kabuli_Scaffold46	39470	(C/T)
15654	CakSNP15654	<i>Kabuli</i>	Ca_Kabuli_Scaffold461	20652	(C/A)
15655	CakSNP15655	<i>Kabuli</i>	Ca_Kabuli_Scaffold461	20629	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15656	CakSNP15656	<i>Kabuli</i>	Ca_Kabuli_Scaffold461	20603	(C/T)
15657	CakSNP15657	<i>Kabuli</i>	Ca_Kabuli_Scaffold461	20599	(C/A)
15658	CakSNP15658	<i>Kabuli</i>	Ca_Kabuli_Scaffold4620	2699	(T/C)
15659	CakSNP15659	<i>Kabuli</i>	Ca_Kabuli_Scaffold4620	23442	(T/C)
15660	CakSNP15660	<i>Kabuli</i>	Ca_Kabuli_Scaffold4641	511	(G/A)
15661	CakSNP15661	<i>Kabuli</i>	Ca_Kabuli_Scaffold4641	547	(A/C)
15662	CakSNP15662	<i>Kabuli</i>	Ca_Kabuli_Scaffold4641	553	(C/A)
15663	CakSNP15663	<i>Kabuli</i>	Ca_Kabuli_Scaffold4641	556	(G/C)
15664	CakSNP15664	<i>Kabuli</i>	Ca_Kabuli_Scaffold4662	7683	(T/C)
15665	CakSNP15665	<i>Kabuli</i>	Ca_Kabuli_Scaffold4662	7651	(T/C)
15666	CakSNP15666	<i>Kabuli</i>	Ca_Kabuli_Scaffold4662	7638	(C/T)
15667	CakSNP15667	<i>Kabuli</i>	Ca_Kabuli_Scaffold4662	7632	(A/G)
15668	CakSNP15668	<i>Kabuli</i>	Ca_Kabuli_Scaffold4695	5685	(A/G)
15669	CakSNP15669	<i>Kabuli</i>	Ca_Kabuli_Scaffold470	7175	(A/G)
15670	CakSNP15670	<i>Kabuli</i>	Ca_Kabuli_Scaffold473	24996	(G/A)
15671	CakSNP15671	<i>Kabuli</i>	Ca_Kabuli_Scaffold473	24984	(T/C)
15672	CakSNP15672	<i>Kabuli</i>	Ca_Kabuli_Scaffold473	24973	(T/C)
15673	CakSNP15673	<i>Kabuli</i>	Ca_Kabuli_Scaffold475	135286	(C/A)
15674	CakSNP15674	<i>Kabuli</i>	Ca_Kabuli_Scaffold475	135290	(G/A)
15675	CakSNP15675	<i>Kabuli</i>	Ca_Kabuli_Scaffold477	51898	(C/T)
15676	CakSNP15676	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	10546	(G/T)
15677	CakSNP15677	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	16224	(A/T)
15678	CakSNP15678	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	16239	(G/T)
15679	CakSNP15679	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	55347	(G/T)
15680	CakSNP15680	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	72624	(G/A)
15681	CakSNP15681	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	76950	(C/A)
15682	CakSNP15682	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	106820	(A/G)
15683	CakSNP15683	<i>Kabuli</i>	Ca_Kabuli_Scaffold4777	112193	(A/C)
15684	CakSNP15684	<i>Kabuli</i>	Ca_Kabuli_Scaffold48	261719	(A/G)
15685	CakSNP15685	<i>Kabuli</i>	Ca_Kabuli_Scaffold48	420925	(A/G)
15686	CakSNP15686	<i>Kabuli</i>	Ca_Kabuli_Scaffold480	67375	(T/C)
15687	CakSNP15687	<i>Kabuli</i>	Ca_Kabuli_Scaffold4836	5866	(T/A)
15688	CakSNP15688	<i>Kabuli</i>	Ca_Kabuli_Scaffold4836	5891	(A/T)
15689	CakSNP15689	<i>Kabuli</i>	Ca_Kabuli_Scaffold4836	5909	(G/A)
15690	CakSNP15690	<i>Kabuli</i>	Ca_Kabuli_Scaffold4836	5846	(C/T)
15691	CakSNP15691	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	203947	(C/T)
15692	CakSNP15692	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	209786	(A/C)
15693	CakSNP15693	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	243567	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15694	CakSNP15694	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	243575	(T/A)
15695	CakSNP15695	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	647868	(C/T)
15696	CakSNP15696	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	647866	(A/G)
15697	CakSNP15697	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	647809	(A/T)
15698	CakSNP15698	<i>Kabuli</i>	Ca_Kabuli_Scaffold484	660749	(C/G)
15699	CakSNP15699	<i>Kabuli</i>	Ca_Kabuli_Scaffold485	103572	(C/T)
15700	CakSNP15700	<i>Kabuli</i>	Ca_Kabuli_Scaffold485	103546	(A/G)
15701	CakSNP15701	<i>Kabuli</i>	Ca_Kabuli_Scaffold485	103528	(A/C)
15702	CakSNP15702	<i>Kabuli</i>	Ca_Kabuli_Scaffold485	123578	(T/C)
15703	CakSNP15703	<i>Kabuli</i>	Ca_Kabuli_Scaffold485	123642	(G/A)
15704	CakSNP15704	<i>Kabuli</i>	Ca_Kabuli_Scaffold495	128200	(A/T)
15705	CakSNP15705	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	53652	(G/A)
15706	CakSNP15706	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	53657	(A/T)
15707	CakSNP15707	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	53616	(G/T)
15708	CakSNP15708	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	53587	(A/G)
15709	CakSNP15709	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	175429	(G/A)
15710	CakSNP15710	<i>Kabuli</i>	Ca_Kabuli_Scaffold496	175493	(G/A)
15711	CakSNP15711	<i>Kabuli</i>	Ca_Kabuli_Scaffold498	146772	(A/C)
15712	CakSNP15712	<i>Kabuli</i>	Ca_Kabuli_Scaffold498	148658	(G/T)
15713	CakSNP15713	<i>Kabuli</i>	Ca_Kabuli_Scaffold498	164638	(T/C)
15714	CakSNP15714	<i>Kabuli</i>	Ca_Kabuli_Scaffold498	164615	(G/C)
15715	CakSNP15715	<i>Kabuli</i>	Ca_Kabuli_Scaffold498	164590	(T/A)
15716	CakSNP15716	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	153593	(T/A)
15717	CakSNP15717	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	153599	(C/G)
15718	CakSNP15718	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	153631	(C/T)
15719	CakSNP15719	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	153734	(A/C)
15720	CakSNP15720	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	153851	(T/C)
15721	CakSNP15721	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	191625	(T/C)
15722	CakSNP15722	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	201219	(C/G)
15723	CakSNP15723	<i>Kabuli</i>	Ca_Kabuli_Scaffold50	448866	(G/A)
15724	CakSNP15724	<i>Kabuli</i>	Ca_Kabuli_Scaffold510	12378	(T/A)
15725	CakSNP15725	<i>Kabuli</i>	Ca_Kabuli_Scaffold510	12383	(G/T)
15726	CakSNP15726	<i>Kabuli</i>	Ca_Kabuli_Scaffold510	12394	(C/A)
15727	CakSNP15727	<i>Kabuli</i>	Ca_Kabuli_Scaffold510	12414	(C/T)
15728	CakSNP15728	<i>Kabuli</i>	Ca_Kabuli_Scaffold510	12434	(C/T)
15729	CakSNP15729	<i>Kabuli</i>	Ca_Kabuli_Scaffold511	10450	(T/G)
15730	CakSNP15730	<i>Kabuli</i>	Ca_Kabuli_Scaffold511	10520	(G/T)
15731	CakSNP15731	<i>Kabuli</i>	Ca_Kabuli_Scaffold511	173376	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15732	CakSNP15732	<i>Kabuli</i>	Ca_Kabuli_Scaffold511	173377	(A/G)
15733	CakSNP15733	<i>Kabuli</i>	Ca_Kabuli_Scaffold511	173378	(G/A)
15734	CakSNP15734	<i>Kabuli</i>	Ca_Kabuli_Scaffold513	7188	(A/C)
15735	CakSNP15735	<i>Kabuli</i>	Ca_Kabuli_Scaffold5163	2301	(A/G)
15736	CakSNP15736	<i>Kabuli</i>	Ca_Kabuli_Scaffold5185	1091	(G/A)
15737	CakSNP15737	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143359	(C/T)
15738	CakSNP15738	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143358	(G/A)
15739	CakSNP15739	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143356	(C/G)
15740	CakSNP15740	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143342	(G/A)
15741	CakSNP15741	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143336	(T/C)
15742	CakSNP15742	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143334	(G/A)
15743	CakSNP15743	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143333	(A/T)
15744	CakSNP15744	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143324	(G/A)
15745	CakSNP15745	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143317	(T/A)
15746	CakSNP15746	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143300	(G/A)
15747	CakSNP15747	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143294	(G/A)
15748	CakSNP15748	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143291	(G/A)
15749	CakSNP15749	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143375	(G/A)
15750	CakSNP15750	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143372	(G/A)
15751	CakSNP15751	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143355	(C/T)
15752	CakSNP15752	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143390	(A/G)
15753	CakSNP15753	<i>Kabuli</i>	Ca_Kabuli_Scaffold520	143391	(A/C)
15754	CakSNP15754	<i>Kabuli</i>	Ca_Kabuli_Scaffold528	191764	(A/G)
15755	CakSNP15755	<i>Kabuli</i>	Ca_Kabuli_Scaffold528	191835	(A/G)
15756	CakSNP15756	<i>Kabuli</i>	Ca_Kabuli_Scaffold528	232014	(A/C)
15757	CakSNP15757	<i>Kabuli</i>	Ca_Kabuli_Scaffold53	49273	(A/G)
15758	CakSNP15758	<i>Kabuli</i>	Ca_Kabuli_Scaffold53	123293	(C/A)
15759	CakSNP15759	<i>Kabuli</i>	Ca_Kabuli_Scaffold531	2668	(C/T)
15760	CakSNP15760	<i>Kabuli</i>	Ca_Kabuli_Scaffold531	2674	(C/T)
15761	CakSNP15761	<i>Kabuli</i>	Ca_Kabuli_Scaffold531	65242	(T/G)
15762	CakSNP15762	<i>Kabuli</i>	Ca_Kabuli_Scaffold531	101520	(C/G)
15763	CakSNP15763	<i>Kabuli</i>	Ca_Kabuli_Scaffold531	124019	(T/G)
15764	CakSNP15764	<i>Kabuli</i>	Ca_Kabuli_Scaffold5328	70	(G/A)
15765	CakSNP15765	<i>Kabuli</i>	Ca_Kabuli_Scaffold5328	85	(C/T)
15766	CakSNP15766	<i>Kabuli</i>	Ca_Kabuli_Scaffold5328	86	(C/T)
15767	CakSNP15767	<i>Kabuli</i>	Ca_Kabuli_Scaffold5328	117	(C/T)
15768	CakSNP15768	<i>Kabuli</i>	Ca_Kabuli_Scaffold535	156836	(G/A)
15769	CakSNP15769	<i>Kabuli</i>	Ca_Kabuli_Scaffold5358	2561	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15770	CakSNP15770	<i>Kabuli</i>	Ca_Kabuli_Scaffold5358	3329	(C/A)
15771	CakSNP15771	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	216656	(A/G)
15772	CakSNP15772	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	216669	(T/A)
15773	CakSNP15773	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	216846	(C/T)
15774	CakSNP15774	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	216829	(C/G)
15775	CakSNP15775	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	216778	(T/A)
15776	CakSNP15776	<i>Kabuli</i>	Ca_Kabuli_Scaffold537	223108	(T/C)
15777	CakSNP15777	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	20780	(T/G)
15778	CakSNP15778	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	20819	(T/C)
15779	CakSNP15779	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	20827	(G/T)
15780	CakSNP15780	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	143169	(C/T)
15781	CakSNP15781	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	143182	(G/A)
15782	CakSNP15782	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	143185	(A/G)
15783	CakSNP15783	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	143191	(G/A)
15784	CakSNP15784	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	266748	(A/C)
15785	CakSNP15785	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	266729	(A/C)
15786	CakSNP15786	<i>Kabuli</i>	Ca_Kabuli_Scaffold543	266848	(A/C)
15787	CakSNP15787	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	17699	(A/C)
15788	CakSNP15788	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	138848	(T/C)
15789	CakSNP15789	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	139118	(A/T)
15790	CakSNP15790	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	146720	(A/G)
15791	CakSNP15791	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	147549	(G/A)
15792	CakSNP15792	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	147568	(T/G)
15793	CakSNP15793	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	226799	(G/A)
15794	CakSNP15794	<i>Kabuli</i>	Ca_Kabuli_Scaffold545	226769	(G/C)
15795	CakSNP15795	<i>Kabuli</i>	Ca_Kabuli_Scaffold548	17462	(G/A)
15796	CakSNP15796	<i>Kabuli</i>	Ca_Kabuli_Scaffold548	231396	(G/A)
15797	CakSNP15797	<i>Kabuli</i>	Ca_Kabuli_Scaffold548	231338	(G/A)
15798	CakSNP15798	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	353	(G/A)
15799	CakSNP15799	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	361	(G/A)
15800	CakSNP15800	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	366	(G/A)
15801	CakSNP15801	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	376	(C/T)
15802	CakSNP15802	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	387	(T/C)
15803	CakSNP15803	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	388	(G/A)
15804	CakSNP15804	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	365	(T/G)
15805	CakSNP15805	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	396	(G/A)
15806	CakSNP15806	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	458	(G/A)
15807	CakSNP15807	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	447	(A/C)

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15808	CakSNP15808	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	434	(C/T)
15809	CakSNP15809	<i>Kabuli</i>	Ca_Kabuli_Scaffold5511	404	(T/G)
15810	CakSNP15810	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	302105	(T/C)
15811	CakSNP15811	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	302098	(T/C)
15812	CakSNP15812	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	310715	(A/G)
15813	CakSNP15813	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	310759	(T/A)
15814	CakSNP15814	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	402702	(T/C)
15815	CakSNP15815	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	441845	(T/C)
15816	CakSNP15816	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	441881	(T/C)
15817	CakSNP15817	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	441898	(G/A)
15818	CakSNP15818	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	550789	(G/C)
15819	CakSNP15819	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	607503	(G/T)
15820	CakSNP15820	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	607572	(T/C)
15821	CakSNP15821	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	794383	(A/G)
15822	CakSNP15822	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	794404	(G/A)
15823	CakSNP15823	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	794431	(T/C)
15824	CakSNP15824	<i>Kabuli</i>	Ca_Kabuli_Scaffold553	794439	(G/T)
15825	CakSNP15825	<i>Kabuli</i>	Ca_Kabuli_Scaffold561	46046	(T/G)
15826	CakSNP15826	<i>Kabuli</i>	Ca_Kabuli_Scaffold561	49174	(G/A)
15827	CakSNP15827	<i>Kabuli</i>	Ca_Kabuli_Scaffold561	95414	(A/C)
15828	CakSNP15828	<i>Kabuli</i>	Ca_Kabuli_Scaffold561	95386	(G/A)
15829	CakSNP15829	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221706	(T/C)
15830	CakSNP15830	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221696	(T/G)
15831	CakSNP15831	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221686	(C/A)
15832	CakSNP15832	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221713	(G/A)
15833	CakSNP15833	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221714	(C/T)
15834	CakSNP15834	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221735	(G/A)
15835	CakSNP15835	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221795	(C/T)
15836	CakSNP15836	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221748	(C/A)
15837	CakSNP15837	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221758	(G/A)
15838	CakSNP15838	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221769	(T/A)
15839	CakSNP15839	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221778	(G/A)
15840	CakSNP15840	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221779	(G/A)
15841	CakSNP15841	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221788	(G/A)
15842	CakSNP15842	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221828	(T/A)
15843	CakSNP15843	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	221792	(C/A)
15844	CakSNP15844	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	255362	(G/A)
15845	CakSNP15845	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	255295	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15846	CakSNP15846	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	289080	(C/A)
15847	CakSNP15847	<i>Kabuli</i>	Ca_Kabuli_Scaffold562	290071	(C/T)
15848	CakSNP15848	<i>Kabuli</i>	Ca_Kabuli_Scaffold5714	24882	(A/C)
15849	CakSNP15849	<i>Kabuli</i>	Ca_Kabuli_Scaffold5714	36359	(G/C)
15850	CakSNP15850	<i>Kabuli</i>	Ca_Kabuli_Scaffold5730	239	(G/A)
15851	CakSNP15851	<i>Kabuli</i>	Ca_Kabuli_Scaffold5730	192	(A/G)
15852	CakSNP15852	<i>Kabuli</i>	Ca_Kabuli_Scaffold5730	227	(G/A)
15853	CakSNP15853	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	36084	(T/C)
15854	CakSNP15854	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	36135	(T/C)
15855	CakSNP15855	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	36238	(C/T)
15856	CakSNP15856	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45254	(C/T)
15857	CakSNP15857	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45250	(T/C)
15858	CakSNP15858	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45239	(G/T)
15859	CakSNP15859	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45236	(G/A)
15860	CakSNP15860	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45233	(G/A)
15861	CakSNP15861	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45215	(C/A)
15862	CakSNP15862	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45192	(C/T)
15863	CakSNP15863	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45279	(G/C)
15864	CakSNP15864	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45245	(G/A)
15865	CakSNP15865	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45237	(C/T)
15866	CakSNP15866	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	45234	(C/T)
15867	CakSNP15867	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	110772	(G/T)
15868	CakSNP15868	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	110785	(C/T)
15869	CakSNP15869	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	110765	(C/T)
15870	CakSNP15870	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	110759	(C/T)
15871	CakSNP15871	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	110753	(G/A)
15872	CakSNP15872	<i>Kabuli</i>	Ca_Kabuli_Scaffold575	117287	(T/G)
15873	CakSNP15873	<i>Kabuli</i>	Ca_Kabuli_Scaffold5792	65166	(A/C)
15874	CakSNP15874	<i>Kabuli</i>	Ca_Kabuli_Scaffold5792	86779	(C/A)
15875	CakSNP15875	<i>Kabuli</i>	Ca_Kabuli_Scaffold5792	86716	(T/C)
15876	CakSNP15876	<i>Kabuli</i>	Ca_Kabuli_Scaffold584	53203	(G/T)
15877	CakSNP15877	<i>Kabuli</i>	Ca_Kabuli_Scaffold589	72891	(T/G)
15878	CakSNP15878	<i>Kabuli</i>	Ca_Kabuli_Scaffold590	88429	(A/T)
15879	CakSNP15879	<i>Kabuli</i>	Ca_Kabuli_Scaffold590	88420	(T/C)
15880	CakSNP15880	<i>Kabuli</i>	Ca_Kabuli_Scaffold598	300825	(A/C)
15881	CakSNP15881	<i>Kabuli</i>	Ca_Kabuli_Scaffold598	300940	(C/T)
15882	CakSNP15882	<i>Kabuli</i>	Ca_Kabuli_Scaffold598	404254	(G/C)
15883	CakSNP15883	<i>Kabuli</i>	Ca_Kabuli_Scaffold598	404275	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15884	CakSNP15884	<i>Kabuli</i>	Ca_Kabuli_Scaffold599	349605	(T/G)
15885	CakSNP15885	<i>Kabuli</i>	Ca_Kabuli_Scaffold5997	742	(G/C)
15886	CakSNP15886	<i>Kabuli</i>	Ca_Kabuli_Scaffold5997	679	(C/T)
15887	CakSNP15887	<i>Kabuli</i>	Ca_Kabuli_Scaffold601	55483	(A/G)
15888	CakSNP15888	<i>Kabuli</i>	Ca_Kabuli_Scaffold601	71998	(T/A)
15889	CakSNP15889	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23769	(A/C)
15890	CakSNP15890	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23773	(T/C)
15891	CakSNP15891	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23774	(A/G)
15892	CakSNP15892	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23775	(A/G)
15893	CakSNP15893	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23793	(A/G)
15894	CakSNP15894	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23795	(T/A)
15895	CakSNP15895	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23803	(A/G)
15896	CakSNP15896	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23808	(C/G)
15897	CakSNP15897	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23811	(G/A)
15898	CakSNP15898	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	23816	(T/A)
15899	CakSNP15899	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84761	(A/C)
15900	CakSNP15900	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84765	(T/C)
15901	CakSNP15901	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84766	(A/G)
15902	CakSNP15902	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84767	(A/G)
15903	CakSNP15903	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84785	(A/G)
15904	CakSNP15904	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84787	(T/A)
15905	CakSNP15905	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84795	(A/G)
15906	CakSNP15906	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84800	(C/G)
15907	CakSNP15907	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84803	(G/A)
15908	CakSNP15908	<i>Kabuli</i>	Ca_Kabuli_Scaffold605	84807	(A/G)
15909	CakSNP15909	<i>Kabuli</i>	Ca_Kabuli_Scaffold62	46079	(C/T)
15910	CakSNP15910	<i>Kabuli</i>	Ca_Kabuli_Scaffold62	46085	(C/T)
15911	CakSNP15911	<i>Kabuli</i>	Ca_Kabuli_Scaffold62	46087	(G/A)
15912	CakSNP15912	<i>Kabuli</i>	Ca_Kabuli_Scaffold62	46088	(C/T)
15913	CakSNP15913	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254901	(C/T)
15914	CakSNP15914	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254950	(G/A)
15915	CakSNP15915	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254959	(T/C)
15916	CakSNP15916	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254971	(G/A)
15917	CakSNP15917	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254992	(C/T)
15918	CakSNP15918	<i>Kabuli</i>	Ca_Kabuli_Scaffold624	254942	(A/T)
15919	CakSNP15919	<i>Kabuli</i>	Ca_Kabuli_Scaffold6339	190	(T/G)
15920	CakSNP15920	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	6825	(G/T)
15921	CakSNP15921	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	10856	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15922	CakSNP15922	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	10842	(T/A)
15923	CakSNP15923	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	13651	(G/A)
15924	CakSNP15924	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	23667	(G/A)
15925	CakSNP15925	<i>Kabuli</i>	Ca_Kabuli_Scaffold6367	25674	(T/C)
15926	CakSNP15926	<i>Kabuli</i>	Ca_Kabuli_Scaffold637	107671	(G/C)
15927	CakSNP15927	<i>Kabuli</i>	Ca_Kabuli_Scaffold637	107661	(A/C)
15928	CakSNP15928	<i>Kabuli</i>	Ca_Kabuli_Scaffold637	107636	(T/C)
15929	CakSNP15929	<i>Kabuli</i>	Ca_Kabuli_Scaffold637	107613	(C/G)
15930	CakSNP15930	<i>Kabuli</i>	Ca_Kabuli_Scaffold6403	1553	(T/A)
15931	CakSNP15931	<i>Kabuli</i>	Ca_Kabuli_Scaffold642	28715	(A/T)
15932	CakSNP15932	<i>Kabuli</i>	Ca_Kabuli_Scaffold642	615176	(T/C)
15933	CakSNP15933	<i>Kabuli</i>	Ca_Kabuli_Scaffold645	91908	(C/T)
15934	CakSNP15934	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	145231	(A/G)
15935	CakSNP15935	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183054	(T/C)
15936	CakSNP15936	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183063	(G/A)
15937	CakSNP15937	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183069	(C/A)
15938	CakSNP15938	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183074	(C/G)
15939	CakSNP15939	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183078	(T/G)
15940	CakSNP15940	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183091	(T/C)
15941	CakSNP15941	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183143	(T/A)
15942	CakSNP15942	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183135	(T/C)
15943	CakSNP15943	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	183112	(T/C)
15944	CakSNP15944	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	189129	(C/T)
15945	CakSNP15945	<i>Kabuli</i>	Ca_Kabuli_Scaffold653	197878	(A/T)
15946	CakSNP15946	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	180364	(G/T)
15947	CakSNP15947	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	180362	(A/C)
15948	CakSNP15948	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	180348	(C/T)
15949	CakSNP15949	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	180302	(G/T)
15950	CakSNP15950	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	311222	(G/T)
15951	CakSNP15951	<i>Kabuli</i>	Ca_Kabuli_Scaffold661	311182	(C/T)
15952	CakSNP15952	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16068	(G/A)
15953	CakSNP15953	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16042	(C/A)
15954	CakSNP15954	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16029	(G/A)
15955	CakSNP15955	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16056	(C/T)
15956	CakSNP15956	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16059	(G/A)
15957	CakSNP15957	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	16061	(A/G)
15958	CakSNP15958	<i>Kabuli</i>	Ca_Kabuli_Scaffold663	156613	(G/C)
15959	CakSNP15959	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	91979	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15960	CakSNP15960	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360388	(C/T)
15961	CakSNP15961	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360401	(A/G)
15962	CakSNP15962	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360421	(G/A)
15963	CakSNP15963	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360406	(C/T)
15964	CakSNP15964	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360349	(G/A)
15965	CakSNP15965	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360464	(G/A)
15966	CakSNP15966	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360457	(G/C)
15967	CakSNP15967	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360411	(G/A)
15968	CakSNP15968	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	360408	(G/T)
15969	CakSNP15969	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	608623	(T/G)
15970	CakSNP15970	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	652382	(G/A)
15971	CakSNP15971	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	652373	(A/G)
15972	CakSNP15972	<i>Kabuli</i>	Ca_Kabuli_Scaffold674	826136	(T/C)
15973	CakSNP15973	<i>Kabuli</i>	Ca_Kabuli_Scaffold681	18376	(C/G)
15974	CakSNP15974	<i>Kabuli</i>	Ca_Kabuli_Scaffold682	157238	(G/C)
15975	CakSNP15975	<i>Kabuli</i>	Ca_Kabuli_Scaffold682	578200	(T/G)
15976	CakSNP15976	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78894	(G/A)
15977	CakSNP15977	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78883	(T/G)
15978	CakSNP15978	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78871	(C/G)
15979	CakSNP15979	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78842	(G/A)
15980	CakSNP15980	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78844	(A/G)
15981	CakSNP15981	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78864	(C/T)
15982	CakSNP15982	<i>Kabuli</i>	Ca_Kabuli_Scaffold684	78893	(C/T)
15983	CakSNP15983	<i>Kabuli</i>	Ca_Kabuli_Scaffold686	206111	(G/A)
15984	CakSNP15984	<i>Kabuli</i>	Ca_Kabuli_Scaffold686	206044	(T/C)
15985	CakSNP15985	<i>Kabuli</i>	Ca_Kabuli_Scaffold686	206042	(A/G)
15986	CakSNP15986	<i>Kabuli</i>	Ca_Kabuli_Scaffold702	247644	(G/C)
15987	CakSNP15987	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153694	(C/T)
15988	CakSNP15988	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153680	(C/A)
15989	CakSNP15989	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153667	(G/A)
15990	CakSNP15990	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153697	(G/A)
15991	CakSNP15991	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153699	(A/G)
15992	CakSNP15992	<i>Kabuli</i>	Ca_Kabuli_Scaffold711	153706	(G/A)
15993	CakSNP15993	<i>Kabuli</i>	Ca_Kabuli_Scaffold7127	1878	(C/T)
15994	CakSNP15994	<i>Kabuli</i>	Ca_Kabuli_Scaffold7144	234	(A/T)
15995	CakSNP15995	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	128208	(G/T)
15996	CakSNP15996	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	212326	(G/A)
15997	CakSNP15997	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	212374	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15998	CakSNP15998	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269220	(T/C)
15999	CakSNP15999	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269230	(A/C)
16000	CakSNP16000	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269242	(A/G)
16001	CakSNP16001	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269266	(G/T)
16002	CakSNP16002	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269271	(G/A)
16003	CakSNP16003	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269281	(T/G)
16004	CakSNP16004	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269287	(G/A)
16005	CakSNP16005	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269335	(G/A)
16006	CakSNP16006	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269332	(C/T)
16007	CakSNP16007	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269314	(G/A)
16008	CakSNP16008	<i>Kabuli</i>	Ca_Kabuli_Scaffold716	269299	(T/C)
16009	CakSNP16009	<i>Kabuli</i>	Ca_Kabuli_Scaffold719	11850	(C/T)
16010	CakSNP16010	<i>Kabuli</i>	Ca_Kabuli_Scaffold720	60880	(G/A)
16011	CakSNP16011	<i>Kabuli</i>	Ca_Kabuli_Scaffold720	370624	(T/G)
16012	CakSNP16012	<i>Kabuli</i>	Ca_Kabuli_Scaffold720	370639	(T/A)
16013	CakSNP16013	<i>Kabuli</i>	Ca_Kabuli_Scaffold720	370725	(G/A)
16014	CakSNP16014	<i>Kabuli</i>	Ca_Kabuli_Scaffold724	25019	(G/A)
16015	CakSNP16015	<i>Kabuli</i>	Ca_Kabuli_Scaffold724	25722	(G/C)
16016	CakSNP16016	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	315093	(G/A)
16017	CakSNP16017	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	315114	(C/T)
16018	CakSNP16018	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	315135	(G/T)
16019	CakSNP16019	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	315138	(C/T)
16020	CakSNP16020	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	315141	(G/A)
16021	CakSNP16021	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332497	(G/A)
16022	CakSNP16022	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332468	(G/T)
16023	CakSNP16023	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332467	(G/C)
16024	CakSNP16024	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332465	(T/A)
16025	CakSNP16025	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332464	(G/T)
16026	CakSNP16026	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332458	(A/T)
16027	CakSNP16027	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	332528	(G/C)
16028	CakSNP16028	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357674	(G/A)
16029	CakSNP16029	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357645	(G/T)
16030	CakSNP16030	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357644	(G/C)
16031	CakSNP16031	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357642	(T/A)
16032	CakSNP16032	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357641	(G/T)
16033	CakSNP16033	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357635	(A/T)
16034	CakSNP16034	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	357715	(A/T)
16035	CakSNP16035	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362123	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16036	CakSNP16036	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362118	(C/A)
16037	CakSNP16037	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362114	(A/C)
16038	CakSNP16038	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362548	(T/A)
16039	CakSNP16039	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362553	(C/T)
16040	CakSNP16040	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362554	(T/A)
16041	CakSNP16041	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362555	(T/G)
16042	CakSNP16042	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362556	(C/A)
16043	CakSNP16043	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362574	(T/C)
16044	CakSNP16044	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362581	(A/G)
16045	CakSNP16045	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362582	(T/C)
16046	CakSNP16046	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362594	(G/T)
16047	CakSNP16047	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	362610	(C/T)
16048	CakSNP16048	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372255	(G/A)
16049	CakSNP16049	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372253	(G/T)
16050	CakSNP16050	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372250	(G/A)
16051	CakSNP16051	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372244	(C/T)
16052	CakSNP16052	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372243	(A/T)
16053	CakSNP16053	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372215	(A/G)
16054	CakSNP16054	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372209	(G/C)
16055	CakSNP16055	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372183	(C/T)
16056	CakSNP16056	<i>Kabuli</i>	Ca_Kabuli_Scaffold731	372959	(A/C)
16057	CakSNP16057	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	1606	(C/G)
16058	CakSNP16058	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	1690	(T/C)
16059	CakSNP16059	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	3608	(A/G)
16060	CakSNP16060	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	3602	(T/C)
16061	CakSNP16061	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	3578	(C/T)
16062	CakSNP16062	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	3572	(A/G)
16063	CakSNP16063	<i>Kabuli</i>	Ca_Kabuli_Scaffold7355	3566	(C/T)
16064	CakSNP16064	<i>Kabuli</i>	Ca_Kabuli_Scaffold752	382375	(G/A)
16065	CakSNP16065	<i>Kabuli</i>	Ca_Kabuli_Scaffold752	497452	(T/A)
16066	CakSNP16066	<i>Kabuli</i>	Ca_Kabuli_Scaffold752	497454	(A/G)
16067	CakSNP16067	<i>Kabuli</i>	Ca_Kabuli_Scaffold753	8312	(A/G)
16068	CakSNP16068	<i>Kabuli</i>	Ca_Kabuli_Scaffold758	16480	(G/T)
16069	CakSNP16069	<i>Kabuli</i>	Ca_Kabuli_Scaffold7650	2686	(C/T)
16070	CakSNP16070	<i>Kabuli</i>	Ca_Kabuli_Scaffold7715	3434	(A/T)
16071	CakSNP16071	<i>Kabuli</i>	Ca_Kabuli_Scaffold772	53192	(C/T)
16072	CakSNP16072	<i>Kabuli</i>	Ca_Kabuli_Scaffold772	53196	(C/T)
16073	CakSNP16073	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	89238	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16074	CakSNP16074	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	89239	(C/T)
16075	CakSNP16075	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	279828	(A/G)
16076	CakSNP16076	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	356107	(C/A)
16077	CakSNP16077	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	448604	(G/A)
16078	CakSNP16078	<i>Kabuli</i>	Ca_Kabuli_Scaffold775	448743	(T/C)
16079	CakSNP16079	<i>Kabuli</i>	Ca_Kabuli_Scaffold776	188906	(C/T)
16080	CakSNP16080	<i>Kabuli</i>	Ca_Kabuli_Scaffold776	188895	(C/T)
16081	CakSNP16081	<i>Kabuli</i>	Ca_Kabuli_Scaffold776	188888	(G/A)
16082	CakSNP16082	<i>Kabuli</i>	Ca_Kabuli_Scaffold7765	503	(C/T)
16083	CakSNP16083	<i>Kabuli</i>	Ca_Kabuli_Scaffold7765	536	(C/A)
16084	CakSNP16084	<i>Kabuli</i>	Ca_Kabuli_Scaffold7765	549	(G/A)
16085	CakSNP16085	<i>Kabuli</i>	Ca_Kabuli_Scaffold783	201617	(T/C)
16086	CakSNP16086	<i>Kabuli</i>	Ca_Kabuli_Scaffold783	244209	(T/C)
16087	CakSNP16087	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	727	(C/T)
16088	CakSNP16088	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	1078	(G/A)
16089	CakSNP16089	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	1075	(C/T)
16090	CakSNP16090	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	1068	(C/A)
16091	CakSNP16091	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	1042	(T/C)
16092	CakSNP16092	<i>Kabuli</i>	Ca_Kabuli_Scaffold7842	1024	(T/G)
16093	CakSNP16093	<i>Kabuli</i>	Ca_Kabuli_Scaffold787	4363	(A/G)
16094	CakSNP16094	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50197	(T/G)
16095	CakSNP16095	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50201	(T/G)
16096	CakSNP16096	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50225	(C/G)
16097	CakSNP16097	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50239	(G/A)
16098	CakSNP16098	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50240	(C/A)
16099	CakSNP16099	<i>Kabuli</i>	Ca_Kabuli_Scaffold794	50236	(A/G)
16100	CakSNP16100	<i>Kabuli</i>	Ca_Kabuli_Scaffold799	3956	(G/A)
16101	CakSNP16101	<i>Kabuli</i>	Ca_Kabuli_Scaffold799	3930	(A/G)
16102	CakSNP16102	<i>Kabuli</i>	Ca_Kabuli_Scaffold799	3928	(C/T)
16103	CakSNP16103	<i>Kabuli</i>	Ca_Kabuli_Scaffold801	67115	(C/T)
16104	CakSNP16104	<i>Kabuli</i>	Ca_Kabuli_Scaffold806	129263	(A/G)
16105	CakSNP16105	<i>Kabuli</i>	Ca_Kabuli_Scaffold806	129265	(G/T)
16106	CakSNP16106	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	48678	(T/C)
16107	CakSNP16107	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	48650	(C/A)
16108	CakSNP16108	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53417	(C/G)
16109	CakSNP16109	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53425	(T/C)
16110	CakSNP16110	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53431	(G/A)
16111	CakSNP16111	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53444	(G/A)

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16112	CakSNP16112	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53474	(G/A)
16113	CakSNP16113	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53464	(G/A)
16114	CakSNP16114	<i>Kabuli</i>	Ca_Kabuli_Scaffold809	53470	(C/G)
16115	CakSNP16115	<i>Kabuli</i>	Ca_Kabuli_Scaffold811	81373	(C/T)
16116	CakSNP16116	<i>Kabuli</i>	Ca_Kabuli_Scaffold812	34686	(C/T)
16117	CakSNP16117	<i>Kabuli</i>	Ca_Kabuli_Scaffold812	246208	(A/C)
16118	CakSNP16118	<i>Kabuli</i>	Ca_Kabuli_Scaffold812	332746	(T/C)
16119	CakSNP16119	<i>Kabuli</i>	Ca_Kabuli_Scaffold812	332758	(T/C)
16120	CakSNP16120	<i>Kabuli</i>	Ca_Kabuli_Scaffold812	528815	(C/G)
16121	CakSNP16121	<i>Kabuli</i>	Ca_Kabuli_Scaffold8226	21624	(G/A)
16122	CakSNP16122	<i>Kabuli</i>	Ca_Kabuli_Scaffold8226	21592	(T/G)
16123	CakSNP16123	<i>Kabuli</i>	Ca_Kabuli_Scaffold8226	21590	(T/C)
16124	CakSNP16124	<i>Kabuli</i>	Ca_Kabuli_Scaffold8226	21572	(T/A)
16125	CakSNP16125	<i>Kabuli</i>	Ca_Kabuli_Scaffold842	13898	(T/C)
16126	CakSNP16126	<i>Kabuli</i>	Ca_Kabuli_Scaffold842	13905	(C/G)
16127	CakSNP16127	<i>Kabuli</i>	Ca_Kabuli_Scaffold842	13928	(G/T)
16128	CakSNP16128	<i>Kabuli</i>	Ca_Kabuli_Scaffold842	13946	(T/C)
16129	CakSNP16129	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	28172	(G/T)
16130	CakSNP16130	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	45557	(A/G)
16131	CakSNP16131	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	71041	(A/G)
16132	CakSNP16132	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	102612	(A/G)
16133	CakSNP16133	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	129326	(C/G)
16134	CakSNP16134	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	129370	(A/G)
16135	CakSNP16135	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	130569	(G/C)
16136	CakSNP16136	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	131911	(A/G)
16137	CakSNP16137	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	136796	(A/G)
16138	CakSNP16138	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	139268	(G/A)
16139	CakSNP16139	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	154556	(T/C)
16140	CakSNP16140	<i>Kabuli</i>	Ca_Kabuli_Scaffold845	205934	(T/C)
16141	CakSNP16141	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	37282	(G/A)
16142	CakSNP16142	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	37309	(G/A)
16143	CakSNP16143	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39934	(T/G)
16144	CakSNP16144	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39968	(C/T)
16145	CakSNP16145	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39984	(G/T)
16146	CakSNP16146	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39985	(C/T)
16147	CakSNP16147	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39990	(A/G)
16148	CakSNP16148	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	39994	(C/T)
16149	CakSNP16149	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	89976	(C/A)

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16150	CakSNP16150	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	114078	(T/C)
16151	CakSNP16151	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158548	(T/C)
16152	CakSNP16152	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158557	(G/A)
16153	CakSNP16153	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158569	(C/T)
16154	CakSNP16154	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158570	(A/G)
16155	CakSNP16155	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158611	(C/T)
16156	CakSNP16156	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158638	(G/A)
16157	CakSNP16157	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158626	(G/T)
16158	CakSNP16158	<i>Kabuli</i>	Ca_Kabuli_Scaffold848	158594	(A/G)
16159	CakSNP16159	<i>Kabuli</i>	Ca_Kabuli_Scaffold857	5227	(G/A)
16160	CakSNP16160	<i>Kabuli</i>	Ca_Kabuli_Scaffold8586	4415	(A/G)
16161	CakSNP16161	<i>Kabuli</i>	Ca_Kabuli_Scaffold859	9382	(A/G)
16162	CakSNP16162	<i>Kabuli</i>	Ca_Kabuli_Scaffold8641	502	(G/A)
16163	CakSNP16163	<i>Kabuli</i>	Ca_Kabuli_Scaffold8641	472	(C/T)
16164	CakSNP16164	<i>Kabuli</i>	Ca_Kabuli_Scaffold8641	466	(C/T)
16165	CakSNP16165	<i>Kabuli</i>	Ca_Kabuli_Scaffold8641	460	(T/C)
16166	CakSNP16166	<i>Kabuli</i>	Ca_Kabuli_Scaffold8646	2056	(A/T)
16167	CakSNP16167	<i>Kabuli</i>	Ca_Kabuli_Scaffold8646	2073	(G/A)
16168	CakSNP16168	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	3938	(C/T)
16169	CakSNP16169	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	3977	(A/G)
16170	CakSNP16170	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	4058	(C/A)
16171	CakSNP16171	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	4050	(A/G)
16172	CakSNP16172	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	4036	(A/C)
16173	CakSNP16173	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	4013	(G/A)
16174	CakSNP16174	<i>Kabuli</i>	Ca_Kabuli_Scaffold8648	3992	(G/A)
16175	CakSNP16175	<i>Kabuli</i>	Ca_Kabuli_Scaffold866	27325	(C/T)
16176	CakSNP16176	<i>Kabuli</i>	Ca_Kabuli_Scaffold866	27293	(T/G)
16177	CakSNP16177	<i>Kabuli</i>	Ca_Kabuli_Scaffold866	27279	(C/T)
16178	CakSNP16178	<i>Kabuli</i>	Ca_Kabuli_Scaffold87	182677	(C/G)
16179	CakSNP16179	<i>Kabuli</i>	Ca_Kabuli_Scaffold87	182724	(G/A)
16180	CakSNP16180	<i>Kabuli</i>	Ca_Kabuli_Scaffold87	182769	(G/C)
16181	CakSNP16181	<i>Kabuli</i>	Ca_Kabuli_Scaffold87	182788	(A/C)
16182	CakSNP16182	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265386	(C/T)
16183	CakSNP16183	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265395	(C/A)
16184	CakSNP16184	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265396	(C/T)
16185	CakSNP16185	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265399	(C/A)
16186	CakSNP16186	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265458	(C/T)
16187	CakSNP16187	<i>Kabuli</i>	Ca_Kabuli_Scaffold873	265406	(T/C)

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16188	CakSNP16188	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	49179	(T/C)
16189	CakSNP16189	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	51703	(C/G)
16190	CakSNP16190	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	51702	(T/A)
16191	CakSNP16191	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	51701	(T/C)
16192	CakSNP16192	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	51714	(T/A)
16193	CakSNP16193	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	51704	(C/A)
16194	CakSNP16194	<i>Kabuli</i>	Ca_Kabuli_Scaffold875	62738	(A/G)
16195	CakSNP16195	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	152311	(G/T)
16196	CakSNP16196	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	188605	(C/G)
16197	CakSNP16197	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	297059	(T/C)
16198	CakSNP16198	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	297024	(T/G)
16199	CakSNP16199	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	297023	(G/A)
16200	CakSNP16200	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	297022	(G/A)
16201	CakSNP16201	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	297003	(C/T)
16202	CakSNP16202	<i>Kabuli</i>	Ca_Kabuli_Scaffold876	296995	(C/T)
16203	CakSNP16203	<i>Kabuli</i>	Ca_Kabuli_Scaffold877	9813	(G/A)
16204	CakSNP16204	<i>Kabuli</i>	Ca_Kabuli_Scaffold877	9851	(C/T)
16205	CakSNP16205	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	9982	(C/A)
16206	CakSNP16206	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	16398	(C/T)
16207	CakSNP16207	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	110743	(A/G)
16208	CakSNP16208	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	240551	(T/C)
16209	CakSNP16209	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	240550	(G/A)
16210	CakSNP16210	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	240525	(A/G)
16211	CakSNP16211	<i>Kabuli</i>	Ca_Kabuli_Scaffold88	274006	(A/G)
16212	CakSNP16212	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	117376	(G/A)
16213	CakSNP16213	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	118266	(G/T)
16214	CakSNP16214	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	232549	(C/A)
16215	CakSNP16215	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	232570	(T/G)
16216	CakSNP16216	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	232605	(T/A)
16217	CakSNP16217	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	358449	(T/A)
16218	CakSNP16218	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	570871	(T/A)
16219	CakSNP16219	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	571210	(A/T)
16220	CakSNP16220	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	573367	(T/A)
16221	CakSNP16221	<i>Kabuli</i>	Ca_Kabuli_Scaffold882	573706	(A/T)
16222	CakSNP16222	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	26025	(A/C)
16223	CakSNP16223	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	26134	(C/A)
16224	CakSNP16224	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	26121	(A/C)
16225	CakSNP16225	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	26108	(G/T)

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16226	CakSNP16226	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	139386	(T/C)
16227	CakSNP16227	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	139396	(G/C)
16228	CakSNP16228	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	139580	(G/T)
16229	CakSNP16229	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	144885	(T/C)
16230	CakSNP16230	<i>Kabuli</i>	Ca_Kabuli_Scaffold887_1	260488	(A/C)
16231	CakSNP16231	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	24349	(T/C)
16232	CakSNP16232	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	24323	(A/G)
16233	CakSNP16233	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	24317	(G/T)
16234	CakSNP16234	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	24316	(T/A)
16235	CakSNP16235	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35527	(T/C)
16236	CakSNP16236	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35501	(A/G)
16237	CakSNP16237	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35495	(G/T)
16238	CakSNP16238	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35494	(T/A)
16239	CakSNP16239	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35489	(A/G)
16240	CakSNP16240	<i>Kabuli</i>	Ca_Kabuli_Scaffold892	35514	(G/T)
16241	CakSNP16241	<i>Kabuli</i>	Ca_Kabuli_Scaffold895	18621	(C/A)
16242	CakSNP16242	<i>Kabuli</i>	Ca_Kabuli_Scaffold895	18693	(G/C)
16243	CakSNP16243	<i>Kabuli</i>	Ca_Kabuli_Scaffold895	20978	(T/C)
16244	CakSNP16244	<i>Kabuli</i>	Ca_Kabuli_Scaffold895	158250	(A/G)
16245	CakSNP16245	<i>Kabuli</i>	Ca_Kabuli_Scaffold901	91817	(C/T)
16246	CakSNP16246	<i>Kabuli</i>	Ca_Kabuli_Scaffold901	91849	(T/C)
16247	CakSNP16247	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15845	(C/A)
16248	CakSNP16248	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15841	(G/A)
16249	CakSNP16249	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15840	(G/A)
16250	CakSNP16250	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15816	(C/T)
16251	CakSNP16251	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15813	(G/T)
16252	CakSNP16252	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15810	(A/G)
16253	CakSNP16253	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15799	(C/T)
16254	CakSNP16254	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15786	(G/A)
16255	CakSNP16255	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15785	(G/A)
16256	CakSNP16256	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15822	(C/T)
16257	CakSNP16257	<i>Kabuli</i>	Ca_Kabuli_Scaffold908	15834	(C/A)
16258	CakSNP16258	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	14282	(A/C)
16259	CakSNP16259	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	332494	(G/C)
16260	CakSNP16260	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	403513	(G/A)
16261	CakSNP16261	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	403572	(C/G)
16262	CakSNP16262	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	403553	(T/C)
16263	CakSNP16263	<i>Kabuli</i>	Ca_Kabuli_Scaffold913	403531	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16264	CakSNP16264	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	18826	(A/G)
16265	CakSNP16265	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	18810	(C/A)
16266	CakSNP16266	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	18809	(C/T)
16267	CakSNP16267	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	18750	(C/A)
16268	CakSNP16268	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	38792	(A/G)
16269	CakSNP16269	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	38776	(C/A)
16270	CakSNP16270	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	38775	(C/T)
16271	CakSNP16271	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	38716	(C/A)
16272	CakSNP16272	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	53125	(T/A)
16273	CakSNP16273	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	53132	(C/T)
16274	CakSNP16274	<i>Kabuli</i>	Ca_Kabuli_Scaffold914	53270	(A/G)
16275	CakSNP16275	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	1036	(A/G)
16276	CakSNP16276	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	275497	(T/C)
16277	CakSNP16277	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	275510	(A/T)
16278	CakSNP16278	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	275512	(G/T)
16279	CakSNP16279	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	275519	(A/C)
16280	CakSNP16280	<i>Kabuli</i>	Ca_Kabuli_Scaffold916	275493	(A/T)
16281	CakSNP16281	<i>Kabuli</i>	Ca_Kabuli_Scaffold919	119274	(T/C)
16282	CakSNP16282	<i>Kabuli</i>	Ca_Kabuli_Scaffold922	111921	(C/A)
16283	CakSNP16283	<i>Kabuli</i>	Ca_Kabuli_Scaffold922	121629	(T/C)
16284	CakSNP16284	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	205677	(G/A)
16285	CakSNP16285	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	506983	(C/A)
16286	CakSNP16286	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	578138	(G/A)
16287	CakSNP16287	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	578146	(A/G)
16288	CakSNP16288	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	578158	(A/G)
16289	CakSNP16289	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640373	(A/C)
16290	CakSNP16290	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640389	(G/T)
16291	CakSNP16291	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640430	(C/T)
16292	CakSNP16292	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640487	(A/C)
16293	CakSNP16293	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640459	(G/T)
16294	CakSNP16294	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640448	(T/C)
16295	CakSNP16295	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640445	(C/T)
16296	CakSNP16296	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	640444	(G/T)
16297	CakSNP16297	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645328	(A/C)
16298	CakSNP16298	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645344	(G/T)
16299	CakSNP16299	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645442	(A/C)
16300	CakSNP16300	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645414	(G/T)
16301	CakSNP16301	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645403	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16302	CakSNP16302	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645400	(C/T)
16303	CakSNP16303	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645399	(G/T)
16304	CakSNP16304	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	645402	(G/A)
16305	CakSNP16305	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	651020	(C/T)
16306	CakSNP16306	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	651018	(C/T)
16307	CakSNP16307	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	651009	(A/G)
16308	CakSNP16308	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	650981	(T/C)
16309	CakSNP16309	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	650968	(G/A)
16310	CakSNP16310	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	650958	(G/A)
16311	CakSNP16311	<i>Kabuli</i>	Ca_Kabuli_Scaffold93	650955	(T/C)
16312	CakSNP16312	<i>Kabuli</i>	Ca_Kabuli_Scaffold931	13212	(T/C)
16313	CakSNP16313	<i>Kabuli</i>	Ca_Kabuli_Scaffold9323	5263	(A/G)
16314	CakSNP16314	<i>Kabuli</i>	Ca_Kabuli_Scaffold937	132087	(C/G)
16315	CakSNP16315	<i>Kabuli</i>	Ca_Kabuli_Scaffold937	134580	(C/G)
16316	CakSNP16316	<i>Kabuli</i>	Ca_Kabuli_Scaffold937	134707	(G/A)
16317	CakSNP16317	<i>Kabuli</i>	Ca_Kabuli_Scaffold948	12188	(C/T)
16318	CakSNP16318	<i>Kabuli</i>	Ca_Kabuli_Scaffold948	21152	(C/T)
16319	CakSNP16319	<i>Kabuli</i>	Ca_Kabuli_Scaffold953	42329	(T/C)
16320	CakSNP16320	<i>Kabuli</i>	Ca_Kabuli_Scaffold953	57413	(A/T)
16321	CakSNP16321	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	21441	(C/A)
16322	CakSNP16322	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	27612	(A/G)
16323	CakSNP16323	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	27710	(T/G)
16324	CakSNP16324	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	27693	(T/C)
16325	CakSNP16325	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	28015	(A/C)
16326	CakSNP16326	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	28014	(T/A)
16327	CakSNP16327	<i>Kabuli</i>	Ca_Kabuli_Scaffold956	29736	(T/A)
16328	CakSNP16328	<i>Kabuli</i>	Ca_Kabuli_Scaffold959	56173	(C/T)
16329	CakSNP16329	<i>Kabuli</i>	Ca_Kabuli_Scaffold959	56159	(G/A)
16330	CakSNP16330	<i>Kabuli</i>	Ca_Kabuli_Scaffold959	56156	(G/A)
16331	CakSNP16331	<i>Kabuli</i>	Ca_Kabuli_Scaffold959	56117	(G/A)
16332	CakSNP16332	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149524	(C/T)
16333	CakSNP16333	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149545	(C/T)
16334	CakSNP16334	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149580	(G/A)
16335	CakSNP16335	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149585	(A/G)
16336	CakSNP16336	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149645	(G/T)
16337	CakSNP16337	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149631	(G/A)
16338	CakSNP16338	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149589	(G/A)
16339	CakSNP16339	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149583	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16340	CakSNP16340	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149577	(G/T)
16341	CakSNP16341	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149689	(G/A)
16342	CakSNP16342	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149687	(A/T)
16343	CakSNP16343	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149676	(T/C)
16344	CakSNP16344	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149661	(G/A)
16345	CakSNP16345	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149649	(C/T)
16346	CakSNP16346	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149644	(C/T)
16347	CakSNP16347	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149628	(G/A)
16348	CakSNP16348	<i>Kabuli</i>	Ca_Kabuli_Scaffold962	149613	(G/T)
16349	CakSNP16349	<i>Kabuli</i>	Ca_Kabuli_Scaffold963	77099	(C/T)
16350	CakSNP16350	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	287956	(T/A)
16351	CakSNP16351	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	287933	(T/C)
16352	CakSNP16352	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	388565	(T/C)
16353	CakSNP16353	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	434956	(A/G)
16354	CakSNP16354	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	440243	(G/C)
16355	CakSNP16355	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	447314	(G/C)
16356	CakSNP16356	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	447311	(G/A)
16357	CakSNP16357	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	485305	(G/C)
16358	CakSNP16358	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	485302	(G/A)
16359	CakSNP16359	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	533710	(T/C)
16360	CakSNP16360	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	533677	(T/A)
16361	CakSNP16361	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	533812	(G/C)
16362	CakSNP16362	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	562979	(G/A)
16363	CakSNP16363	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	563016	(T/C)
16364	CakSNP16364	<i>Kabuli</i>	Ca_Kabuli_Scaffold98	563048	(A/C)
16365	CakSNP16365	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84091	(G/A)
16366	CakSNP16366	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84088	(C/G)
16367	CakSNP16367	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84087	(C/A)
16368	CakSNP16368	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84072	(G/A)
16369	CakSNP16369	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84057	(A/G)
16370	CakSNP16370	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84034	(C/T)
16371	CakSNP16371	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84026	(G/C)
16372	CakSNP16372	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84019	(C/T)
16373	CakSNP16373	<i>Kabuli</i>	Ca_Kabuli_Scaffold981	84007	(C/G)
16374	CakSNP16374	<i>Kabuli</i>	Ca_Kabuli_Scaffold999	77761	(A/T)
16375	CakSNP16375	<i>Kabuli</i>	Ca_Kabuli_Scaffold999	77763	(C/T)
16376	CakSNP16376	<i>Kabuli</i>	Ca_Kabuli_Scaffold999	77767	(A/T)
16377	CakSNP16377	<i>Kabuli</i>	Ca_Kabuli_denovo	1061	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16378	CakSNP16378	<i>Kabuli</i>	Ca_Kabuli_denovo	1965	(G/T)
16379	CakSNP16379	<i>Kabuli</i>	Ca_Kabuli_denovo	1975	(G/A)
16380	CakSNP16380	<i>Kabuli</i>	Ca_Kabuli_denovo	2003	(A/G)
16381	CakSNP16381	<i>Kabuli</i>	Ca_Kabuli_denovo	2012	(T/G)
16382	CakSNP16382	<i>Kabuli</i>	Ca_Kabuli_denovo	2047	(T/G)
16383	CakSNP16383	<i>Kabuli</i>	Ca_Kabuli_denovo	3355	(C/A)
16384	CakSNP16384	<i>Kabuli</i>	Ca_Kabuli_denovo	3357	(T/G)
16385	CakSNP16385	<i>Kabuli</i>	Ca_Kabuli_denovo	3369	(C/G)
16386	CakSNP16386	<i>Kabuli</i>	Ca_Kabuli_denovo	3376	(C/G)
16387	CakSNP16387	<i>Kabuli</i>	Ca_Kabuli_denovo	3391	(A/G)
16388	CakSNP16388	<i>Kabuli</i>	Ca_Kabuli_denovo	3398	(A/G)
16389	CakSNP16389	<i>Kabuli</i>	Ca_Kabuli_denovo	3408	(C/G)
16390	CakSNP16390	<i>Kabuli</i>	Ca_Kabuli_denovo	3410	(G/T)
16391	CakSNP16391	<i>Kabuli</i>	Ca_Kabuli_denovo	3417	(G/A)
16392	CakSNP16392	<i>Kabuli</i>	Ca_Kabuli_denovo	3427	(G/C)
16393	CakSNP16393	<i>Kabuli</i>	Ca_Kabuli_denovo	3439	(C/G)
16394	CakSNP16394	<i>Kabuli</i>	Ca_Kabuli_denovo	3710	(A/T)
16395	CakSNP16395	<i>Kabuli</i>	Ca_Kabuli_denovo	3711	(T/G)
16396	CakSNP16396	<i>Kabuli</i>	Ca_Kabuli_denovo	3712	(G/C)
16397	CakSNP16397	<i>Kabuli</i>	Ca_Kabuli_denovo	3714	(C/G)
16398	CakSNP16398	<i>Kabuli</i>	Ca_Kabuli_denovo	3715	(A/G)
16399	CakSNP16399	<i>Kabuli</i>	Ca_Kabuli_denovo	3716	(G/A)
16400	CakSNP16400	<i>Kabuli</i>	Ca_Kabuli_denovo	3717	(A/G)
16401	CakSNP16401	<i>Kabuli</i>	Ca_Kabuli_denovo	3720	(G/T)
16402	CakSNP16402	<i>Kabuli</i>	Ca_Kabuli_denovo	3721	(A/C)
16403	CakSNP16403	<i>Kabuli</i>	Ca_Kabuli_denovo	3967	(G/A)
16404	CakSNP16404	<i>Kabuli</i>	Ca_Kabuli_denovo	3968	(G/A)
16405	CakSNP16405	<i>Kabuli</i>	Ca_Kabuli_denovo	3969	(A/G)
16406	CakSNP16406	<i>Kabuli</i>	Ca_Kabuli_denovo	3970	(A/G)
16407	CakSNP16407	<i>Kabuli</i>	Ca_Kabuli_denovo	3971	(G/A)
16408	CakSNP16408	<i>Kabuli</i>	Ca_Kabuli_denovo	3972	(C/A)
16409	CakSNP16409	<i>Kabuli</i>	Ca_Kabuli_denovo	3975	(T/G)
16410	CakSNP16410	<i>Kabuli</i>	Ca_Kabuli_denovo	4061	(G/A)
16411	CakSNP16411	<i>Kabuli</i>	Ca_Kabuli_denovo	4063	(G/A)
16412	CakSNP16412	<i>Kabuli</i>	Ca_Kabuli_denovo	4064	(A/G)
16413	CakSNP16413	<i>Kabuli</i>	Ca_Kabuli_denovo	4065	(G/C)
16414	CakSNP16414	<i>Kabuli</i>	Ca_Kabuli_denovo	4066	(C/G)
16415	CakSNP16415	<i>Kabuli</i>	Ca_Kabuli_denovo	4068	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16416	CakSNP16416	<i>Kabuli</i>	Ca_Kabuli_denovo	4287	(C/G)
16417	CakSNP16417	<i>Kabuli</i>	Ca_Kabuli_denovo	4288	(G/A)
16418	CakSNP16418	<i>Kabuli</i>	Ca_Kabuli_denovo	4295	(A/G)
16419	CakSNP16419	<i>Kabuli</i>	Ca_Kabuli_denovo	4299	(T/C)
16420	CakSNP16420	<i>Kabuli</i>	Ca_Kabuli_denovo	4724	(A/G)
16421	CakSNP16421	<i>Kabuli</i>	Ca_Kabuli_denovo	4725	(G/C)
16422	CakSNP16422	<i>Kabuli</i>	Ca_Kabuli_denovo	4727	(G/A)
16423	CakSNP16423	<i>Kabuli</i>	Ca_Kabuli_denovo	4728	(A/G)
16424	CakSNP16424	<i>Kabuli</i>	Ca_Kabuli_denovo	4731	(C/A)
16425	CakSNP16425	<i>Kabuli</i>	Ca_Kabuli_denovo	4732	(C/T)
16426	CakSNP16426	<i>Kabuli</i>	Ca_Kabuli_denovo	5106	(C/G)
16427	CakSNP16427	<i>Kabuli</i>	Ca_Kabuli_denovo	5108	(T/G)
16428	CakSNP16428	<i>Kabuli</i>	Ca_Kabuli_denovo	5349	(T/G)
16429	CakSNP16429	<i>Kabuli</i>	Ca_Kabuli_denovo	5394	(C/G)
16430	CakSNP16430	<i>Kabuli</i>	Ca_Kabuli_denovo	5650	(C/G)
16431	CakSNP16431	<i>Kabuli</i>	Ca_Kabuli_denovo	5652	(G/T)
16432	CakSNP16432	<i>Kabuli</i>	Ca_Kabuli_denovo	5654	(C/T)
16433	CakSNP16433	<i>Kabuli</i>	Ca_Kabuli_denovo	5655	(A/C)
16434	CakSNP16434	<i>Kabuli</i>	Ca_Kabuli_denovo	5746	(G/C)
16435	CakSNP16435	<i>Kabuli</i>	Ca_Kabuli_denovo	5747	(C/G)
16436	CakSNP16436	<i>Kabuli</i>	Ca_Kabuli_denovo	5749	(G/T)
16437	CakSNP16437	<i>Kabuli</i>	Ca_Kabuli_denovo	5751	(C/T)
16438	CakSNP16438	<i>Kabuli</i>	Ca_Kabuli_denovo	5752	(A/C)
16439	CakSNP16439	<i>Kabuli</i>	Ca_Kabuli_denovo	5851	(C/G)
16440	CakSNP16440	<i>Kabuli</i>	Ca_Kabuli_denovo	5853	(G/T)
16441	CakSNP16441	<i>Kabuli</i>	Ca_Kabuli_denovo	5855	(C/T)
16442	CakSNP16442	<i>Kabuli</i>	Ca_Kabuli_denovo	5856	(A/C)
16443	CakSNP16443	<i>Kabuli</i>	Ca_Kabuli_denovo	6702	(T/G)
16444	CakSNP16444	<i>Kabuli</i>	Ca_Kabuli_denovo	6708	(C/G)
16445	CakSNP16445	<i>Kabuli</i>	Ca_Kabuli_denovo	6727	(A/G)
16446	CakSNP16446	<i>Kabuli</i>	Ca_Kabuli_denovo	6728	(C/G)
16447	CakSNP16447	<i>Kabuli</i>	Ca_Kabuli_denovo	6739	(T/G)
16448	CakSNP16448	<i>Kabuli</i>	Ca_Kabuli_denovo	6761	(T/G)
16449	CakSNP16449	<i>Kabuli</i>	Ca_Kabuli_denovo	6773	(T/G)
16450	CakSNP16450	<i>Kabuli</i>	Ca_Kabuli_denovo	7246	(C/A)
16451	CakSNP16451	<i>Kabuli</i>	Ca_Kabuli_denovo	7247	(G/C)
16452	CakSNP16452	<i>Kabuli</i>	Ca_Kabuli_denovo	7248	(A/C)
16453	CakSNP16453	<i>Kabuli</i>	Ca_Kabuli_denovo	7251	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16454	CakSNP16454	<i>Kabuli</i>	Ca_Kabuli_denovo	7253	(T/G)
16455	CakSNP16455	<i>Kabuli</i>	Ca_Kabuli_denovo	7254	(C/A)
16456	CakSNP16456	<i>Kabuli</i>	Ca_Kabuli_denovo	7255	(G/T)
16457	CakSNP16457	<i>Kabuli</i>	Ca_Kabuli_denovo	7380	(A/T)
16458	CakSNP16458	<i>Kabuli</i>	Ca_Kabuli_denovo	7690	(A/G)
16459	CakSNP16459	<i>Kabuli</i>	Ca_Kabuli_denovo	7691	(C/G)
16460	CakSNP16460	<i>Kabuli</i>	Ca_Kabuli_denovo	7883	(G/T)
16461	CakSNP16461	<i>Kabuli</i>	Ca_Kabuli_denovo	7937	(C/G)
16462	CakSNP16462	<i>Kabuli</i>	Ca_Kabuli_denovo	7944	(T/A)
16463	CakSNP16463	<i>Kabuli</i>	Ca_Kabuli_denovo	7976	(T/G)
16464	CakSNP16464	<i>Kabuli</i>	Ca_Kabuli_denovo	7999	(T/C)
16465	CakSNP16465	<i>Kabuli</i>	Ca_Kabuli_denovo	8051	(C/A)
16466	CakSNP16466	<i>Kabuli</i>	Ca_Kabuli_denovo	8069	(T/G)
16467	CakSNP16467	<i>Kabuli</i>	Ca_Kabuli_denovo	8088	(C/A)
16468	CakSNP16468	<i>Kabuli</i>	Ca_Kabuli_denovo	8136	(A/G)
16469	CakSNP16469	<i>Kabuli</i>	Ca_Kabuli_denovo	8162	(T/G)
16470	CakSNP16470	<i>Kabuli</i>	Ca_Kabuli_denovo	8537	(A/G)
16471	CakSNP16471	<i>Kabuli</i>	Ca_Kabuli_denovo	8539	(A/C)
16472	CakSNP16472	<i>Kabuli</i>	Ca_Kabuli_denovo	8541	(T/G)
16473	CakSNP16473	<i>Kabuli</i>	Ca_Kabuli_denovo	9009	(G/A)
16474	CakSNP16474	<i>Kabuli</i>	Ca_Kabuli_denovo	9010	(A/G)
16475	CakSNP16475	<i>Kabuli</i>	Ca_Kabuli_denovo	9011	(A/G)
16476	CakSNP16476	<i>Kabuli</i>	Ca_Kabuli_denovo	9012	(C/A)
16477	CakSNP16477	<i>Kabuli</i>	Ca_Kabuli_denovo	11242	(C/G)
16478	CakSNP16478	<i>Kabuli</i>	Ca_Kabuli_denovo	11244	(T/G)
16479	CakSNP16479	<i>Kabuli</i>	Ca_Kabuli_denovo	11246	(C/T)
16480	CakSNP16480	<i>Kabuli</i>	Ca_Kabuli_denovo	11711	(G/T)
16481	CakSNP16481	<i>Kabuli</i>	Ca_Kabuli_denovo	12623	(A/G)
16482	CakSNP16482	<i>Kabuli</i>	Ca_Kabuli_denovo	12624	(G/C)
16483	CakSNP16483	<i>Kabuli</i>	Ca_Kabuli_denovo	12625	(C/G)
16484	CakSNP16484	<i>Kabuli</i>	Ca_Kabuli_denovo	12627	(T/G)
16485	CakSNP16485	<i>Kabuli</i>	Ca_Kabuli_denovo	12629	(C/T)
16486	CakSNP16486	<i>Kabuli</i>	Ca_Kabuli_denovo	12630	(A/C)
16487	CakSNP16487	<i>Kabuli</i>	Ca_Kabuli_denovo	13473	(G/A)
16488	CakSNP16488	<i>Kabuli</i>	Ca_Kabuli_denovo	13475	(G/A)
16489	CakSNP16489	<i>Kabuli</i>	Ca_Kabuli_denovo	13476	(A/G)
16490	CakSNP16490	<i>Kabuli</i>	Ca_Kabuli_denovo	14124	(A/C)
16491	CakSNP16491	<i>Kabuli</i>	Ca_Kabuli_denovo	14560	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16492	CakSNP16492	<i>Kabuli</i>	Ca_Kabuli_denovo	14672	(G/A)
16493	CakSNP16493	<i>Kabuli</i>	Ca_Kabuli_denovo	14674	(G/A)
16494	CakSNP16494	<i>Kabuli</i>	Ca_Kabuli_denovo	15543	(G/A)
16495	CakSNP16495	<i>Kabuli</i>	Ca_Kabuli_denovo	15553	(C/A)
16496	CakSNP16496	<i>Kabuli</i>	Ca_Kabuli_denovo	15580	(G/A)
16497	CakSNP16497	<i>Kabuli</i>	Ca_Kabuli_denovo	17223	(C/G)
16498	CakSNP16498	<i>Kabuli</i>	Ca_Kabuli_denovo	17468	(A/G)
16499	CakSNP16499	<i>Kabuli</i>	Ca_Kabuli_denovo	17469	(G/C)
16500	CakSNP16500	<i>Kabuli</i>	Ca_Kabuli_denovo	17470	(C/G)
16501	CakSNP16501	<i>Kabuli</i>	Ca_Kabuli_denovo	17472	(T/G)
16502	CakSNP16502	<i>Kabuli</i>	Ca_Kabuli_denovo	17733	(G/C)
16503	CakSNP16503	<i>Kabuli</i>	Ca_Kabuli_denovo	17734	(C/G)
16504	CakSNP16504	<i>Kabuli</i>	Ca_Kabuli_denovo	17736	(T/G)
16505	CakSNP16505	<i>Kabuli</i>	Ca_Kabuli_denovo	17738	(C/T)
16506	CakSNP16506	<i>Kabuli</i>	Ca_Kabuli_denovo	18017	(G/A)
16507	CakSNP16507	<i>Kabuli</i>	Ca_Kabuli_denovo	18019	(G/A)
16508	CakSNP16508	<i>Kabuli</i>	Ca_Kabuli_denovo	18050	(G/C)
16509	CakSNP16509	<i>Kabuli</i>	Ca_Kabuli_denovo	18291	(C/G)
16510	CakSNP16510	<i>Kabuli</i>	Ca_Kabuli_denovo	18293	(G/T)
16511	CakSNP16511	<i>Kabuli</i>	Ca_Kabuli_denovo	18295	(C/T)
16512	CakSNP16512	<i>Kabuli</i>	Ca_Kabuli_denovo	18296	(A/C)
16513	CakSNP16513	<i>Kabuli</i>	Ca_Kabuli_denovo	18297	(G/A)
16514	CakSNP16514	<i>Kabuli</i>	Ca_Kabuli_denovo	18394	(T/G)
16515	CakSNP16515	<i>Kabuli</i>	Ca_Kabuli_denovo	18450	(G/A)
16516	CakSNP16516	<i>Kabuli</i>	Ca_Kabuli_denovo	19005	(C/T)
16517	CakSNP16517	<i>Kabuli</i>	Ca_Kabuli_denovo	19041	(T/C)
16518	CakSNP16518	<i>Kabuli</i>	Ca_Kabuli_denovo	19048	(G/C)
16519	CakSNP16519	<i>Kabuli</i>	Ca_Kabuli_denovo	20080	(C/G)
16520	CakSNP16520	<i>Kabuli</i>	Ca_Kabuli_denovo	20081	(G/A)
16521	CakSNP16521	<i>Kabuli</i>	Ca_Kabuli_denovo	20082	(A/T)
16522	CakSNP16522	<i>Kabuli</i>	Ca_Kabuli_denovo	20083	(G/C)
16523	CakSNP16523	<i>Kabuli</i>	Ca_Kabuli_denovo	20084	(T/A)
16524	CakSNP16524	<i>Kabuli</i>	Ca_Kabuli_denovo	20086	(G/C)
16525	CakSNP16525	<i>Kabuli</i>	Ca_Kabuli_denovo	20087	(T/G)
16526	CakSNP16526	<i>Kabuli</i>	Ca_Kabuli_denovo	21257	(C/A)
16527	CakSNP16527	<i>Kabuli</i>	Ca_Kabuli_denovo	22000	(T/G)
16528	CakSNP16528	<i>Kabuli</i>	Ca_Kabuli_denovo	22013	(A/G)
16529	CakSNP16529	<i>Kabuli</i>	Ca_Kabuli_denovo	22039	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16530	CakSNP16530	<i>Kabuli</i>	Ca_Kabuli_denovo	22242	(A/G)
16531	CakSNP16531	<i>Kabuli</i>	Ca_Kabuli_denovo	22320	(T/A)
16532	CakSNP16532	<i>Kabuli</i>	Ca_Kabuli_denovo	27708	(C/G)
16533	CakSNP16533	<i>Kabuli</i>	Ca_Kabuli_denovo	27709	(G/A)
16534	CakSNP16534	<i>Kabuli</i>	Ca_Kabuli_denovo	27710	(G/A)
16535	CakSNP16535	<i>Kabuli</i>	Ca_Kabuli_denovo	27711	(A/G)
16536	CakSNP16536	<i>Kabuli</i>	Ca_Kabuli_denovo	27712	(C/A)
16537	CakSNP16537	<i>Kabuli</i>	Ca_Kabuli_denovo	27714	(G/C)
16538	CakSNP16538	<i>Kabuli</i>	Ca_Kabuli_denovo	27715	(A/G)
16539	CakSNP16539	<i>Kabuli</i>	Ca_Kabuli_denovo	28816	(G/T)
16540	CakSNP16540	<i>Kabuli</i>	Ca_Kabuli_denovo	28818	(C/T)
16541	CakSNP16541	<i>Kabuli</i>	Ca_Kabuli_denovo	29384	(A/G)
16542	CakSNP16542	<i>Kabuli</i>	Ca_Kabuli_denovo	32328	(G/A)
16543	CakSNP16543	<i>Kabuli</i>	Ca_Kabuli_denovo	32330	(G/A)
16544	CakSNP16544	<i>Kabuli</i>	Ca_Kabuli_denovo	32331	(A/G)
16545	CakSNP16545	<i>Kabuli</i>	Ca_Kabuli_denovo	33189	(G/A)
16546	CakSNP16546	<i>Kabuli</i>	Ca_Kabuli_denovo	34679	(G/T)
16547	CakSNP16547	<i>Kabuli</i>	Ca_Kabuli_denovo	34680	(C/G)
16548	CakSNP16548	<i>Kabuli</i>	Ca_Kabuli_denovo	34682	(C/G)
16549	CakSNP16549	<i>Kabuli</i>	Ca_Kabuli_denovo	34683	(G/A)
16550	CakSNP16550	<i>Kabuli</i>	Ca_Kabuli_denovo	34684	(A/G)
16551	CakSNP16551	<i>Kabuli</i>	Ca_Kabuli_denovo	34685	(G/A)
16552	CakSNP16552	<i>Kabuli</i>	Ca_Kabuli_denovo	34858	(G/A)
16553	CakSNP16553	<i>Kabuli</i>	Ca_Kabuli_denovo	34860	(G/A)
16554	CakSNP16554	<i>Kabuli</i>	Ca_Kabuli_denovo	35627	(T/G)
16555	CakSNP16555	<i>Kabuli</i>	Ca_Kabuli_denovo	35634	(A/G)
16556	CakSNP16556	<i>Kabuli</i>	Ca_Kabuli_denovo	35645	(C/A)
16557	CakSNP16557	<i>Kabuli</i>	Ca_Kabuli_denovo	35661	(G/A)
16558	CakSNP16558	<i>Kabuli</i>	Ca_Kabuli_denovo	35679	(C/G)
16559	CakSNP16559	<i>Kabuli</i>	Ca_Kabuli_denovo	36295	(C/G)
16560	CakSNP16560	<i>Kabuli</i>	Ca_Kabuli_denovo	36358	(G/C)
16561	CakSNP16561	<i>Kabuli</i>	Ca_Kabuli_denovo	36359	(T/A)
16562	CakSNP16562	<i>Kabuli</i>	Ca_Kabuli_denovo	36361	(G/C)
16563	CakSNP16563	<i>Kabuli</i>	Ca_Kabuli_denovo	36362	(T/G)
16564	CakSNP16564	<i>Kabuli</i>	Ca_Kabuli_denovo	36544	(T/G)
16565	CakSNP16565	<i>Kabuli</i>	Ca_Kabuli_denovo	36545	(G/C)
16566	CakSNP16566	<i>Kabuli</i>	Ca_Kabuli_denovo	36547	(G/C)
16567	CakSNP16567	<i>Kabuli</i>	Ca_Kabuli_denovo	36548	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16568	CakSNP16568	<i>Kabuli</i>	Ca_Kabuli_denovo	36549	(G/A)
16569	CakSNP16569	<i>Kabuli</i>	Ca_Kabuli_denovo	36550	(A/G)
16570	CakSNP16570	<i>Kabuli</i>	Ca_Kabuli_denovo	36620	(G/C)
16571	CakSNP16571	<i>Kabuli</i>	Ca_Kabuli_denovo	36621	(C/A)
16572	CakSNP16572	<i>Kabuli</i>	Ca_Kabuli_denovo	36622	(A/G)
16573	CakSNP16573	<i>Kabuli</i>	Ca_Kabuli_denovo	36624	(A/G)
16574	CakSNP16574	<i>Kabuli</i>	Ca_Kabuli_denovo	36626	(T/A)
16575	CakSNP16575	<i>Kabuli</i>	Ca_Kabuli_denovo	36627	(G/T)
16576	CakSNP16576	<i>Kabuli</i>	Ca_Kabuli_denovo	36628	(C/G)
16577	CakSNP16577	<i>Kabuli</i>	Ca_Kabuli_denovo	36630	(G/C)
16578	CakSNP16578	<i>Kabuli</i>	Ca_Kabuli_denovo	37457	(G/C)
16579	CakSNP16579	<i>Kabuli</i>	Ca_Kabuli_denovo	37458	(C/A)
16580	CakSNP16580	<i>Kabuli</i>	Ca_Kabuli_denovo	37459	(A/G)
16581	CakSNP16581	<i>Kabuli</i>	Ca_Kabuli_denovo	37461	(G/A)
16582	CakSNP16582	<i>Kabuli</i>	Ca_Kabuli_denovo	37463	(A/T)
16583	CakSNP16583	<i>Kabuli</i>	Ca_Kabuli_denovo	37464	(T/G)
16584	CakSNP16584	<i>Kabuli</i>	Ca_Kabuli_denovo	37465	(C/G)
16585	CakSNP16585	<i>Kabuli</i>	Ca_Kabuli_denovo	37467	(G/C)
16586	CakSNP16586	<i>Kabuli</i>	Ca_Kabuli_denovo	37468	(A/G)
16587	CakSNP16587	<i>Kabuli</i>	Ca_Kabuli_denovo	37469	(G/A)
16588	CakSNP16588	<i>Kabuli</i>	Ca_Kabuli_denovo	38106	(G/A)
16589	CakSNP16589	<i>Kabuli</i>	Ca_Kabuli_denovo	38108	(T/G)
16590	CakSNP16590	<i>Kabuli</i>	Ca_Kabuli_denovo	38109	(T/A)
16591	CakSNP16591	<i>Kabuli</i>	Ca_Kabuli_denovo	38110	(C/A)
16592	CakSNP16592	<i>Kabuli</i>	Ca_Kabuli_denovo	38111	(T/A)
16593	CakSNP16593	<i>Kabuli</i>	Ca_Kabuli_denovo	38114	(C/A)
16594	CakSNP16594	<i>Kabuli</i>	Ca_Kabuli_denovo	38932	(G/A)
16595	CakSNP16595	<i>Kabuli</i>	Ca_Kabuli_denovo	38934	(G/A)
16596	CakSNP16596	<i>Kabuli</i>	Ca_Kabuli_denovo	40259	(A/G)
16597	CakSNP16597	<i>Kabuli</i>	Ca_Kabuli_denovo	40260	(G/C)
16598	CakSNP16598	<i>Kabuli</i>	Ca_Kabuli_denovo	40261	(C/A)
16599	CakSNP16599	<i>Kabuli</i>	Ca_Kabuli_denovo	40262	(A/G)
16600	CakSNP16600	<i>Kabuli</i>	Ca_Kabuli_denovo	40264	(G/A)
16601	CakSNP16601	<i>Kabuli</i>	Ca_Kabuli_denovo	40266	(T/A)
16602	CakSNP16602	<i>Kabuli</i>	Ca_Kabuli_denovo	40267	(G/T)
16603	CakSNP16603	<i>Kabuli</i>	Ca_Kabuli_denovo	40268	(C/G)
16604	CakSNP16604	<i>Kabuli</i>	Ca_Kabuli_denovo	40270	(G/C)
16605	CakSNP16605	<i>Kabuli</i>	Ca_Kabuli_denovo	41456	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16606	CakSNP16606	<i>Kabuli</i>	Ca_Kabuli_denovo	41457	(T/A)
16607	CakSNP16607	<i>Kabuli</i>	Ca_Kabuli_denovo	41458	(G/C)
16608	CakSNP16608	<i>Kabuli</i>	Ca_Kabuli_denovo	41460	(A/G)
16609	CakSNP16609	<i>Kabuli</i>	Ca_Kabuli_denovo	41888	(A/T)
16610	CakSNP16610	<i>Kabuli</i>	Ca_Kabuli_denovo	41895	(C/A)
16611	CakSNP16611	<i>Kabuli</i>	Ca_Kabuli_denovo	44072	(T/G)
16612	CakSNP16612	<i>Kabuli</i>	Ca_Kabuli_denovo	44074	(C/T)
16613	CakSNP16613	<i>Kabuli</i>	Ca_Kabuli_denovo	45632	(A/C)
16614	CakSNP16614	<i>Kabuli</i>	Ca_Kabuli_denovo	45635	(C/T)
16615	CakSNP16615	<i>Kabuli</i>	Ca_Kabuli_denovo	45637	(T/G)
16616	CakSNP16616	<i>Kabuli</i>	Ca_Kabuli_denovo	45639	(G/A)
16617	CakSNP16617	<i>Kabuli</i>	Ca_Kabuli_denovo	48879	(T/G)
16618	CakSNP16618	<i>Kabuli</i>	Ca_Kabuli_denovo	49259	(G/A)
16619	CakSNP16619	<i>Kabuli</i>	Ca_Kabuli_denovo	49260	(A/G)
16620	CakSNP16620	<i>Kabuli</i>	Ca_Kabuli_denovo	49261	(A/G)
16621	CakSNP16621	<i>Kabuli</i>	Ca_Kabuli_denovo	49262	(G/A)
16622	CakSNP16622	<i>Kabuli</i>	Ca_Kabuli_denovo	49263	(C/A)
16623	CakSNP16623	<i>Kabuli</i>	Ca_Kabuli_denovo	49265	(G/C)
16624	CakSNP16624	<i>Kabuli</i>	Ca_Kabuli_denovo	49932	(C/G)
16625	CakSNP16625	<i>Kabuli</i>	Ca_Kabuli_denovo	49934	(T/G)
16626	CakSNP16626	<i>Kabuli</i>	Ca_Kabuli_denovo	49936	(C/T)
16627	CakSNP16627	<i>Kabuli</i>	Ca_Kabuli_denovo	50705	(T/G)
16628	CakSNP16628	<i>Kabuli</i>	Ca_Kabuli_denovo	50712	(T/C)
16629	CakSNP16629	<i>Kabuli</i>	Ca_Kabuli_denovo	50914	(G/A)
16630	CakSNP16630	<i>Kabuli</i>	Ca_Kabuli_denovo	51290	(C/G)
16631	CakSNP16631	<i>Kabuli</i>	Ca_Kabuli_denovo	51357	(T/G)
16632	CakSNP16632	<i>Kabuli</i>	Ca_Kabuli_denovo	51491	(A/G)
16633	CakSNP16633	<i>Kabuli</i>	Ca_Kabuli_denovo	51528	(T/C)
16634	CakSNP16634	<i>Kabuli</i>	Ca_Kabuli_denovo	51691	(G/C)
16635	CakSNP16635	<i>Kabuli</i>	Ca_Kabuli_denovo	51720	(T/G)
16636	CakSNP16636	<i>Kabuli</i>	Ca_Kabuli_denovo	51737	(C/G)
16637	CakSNP16637	<i>Kabuli</i>	Ca_Kabuli_denovo	51993	(T/G)
16638	CakSNP16638	<i>Kabuli</i>	Ca_Kabuli_denovo	52004	(C/A)
16639	CakSNP16639	<i>Kabuli</i>	Ca_Kabuli_denovo	52027	(G/T)
16640	CakSNP16640	<i>Kabuli</i>	Ca_Kabuli_denovo	52098	(A/G)
16641	CakSNP16641	<i>Kabuli</i>	Ca_Kabuli_denovo	52113	(G/T)
16642	CakSNP16642	<i>Kabuli</i>	Ca_Kabuli_denovo	52290	(A/G)
16643	CakSNP16643	<i>Kabuli</i>	Ca_Kabuli_denovo	52303	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16644	CakSNP16644	<i>Kabuli</i>	Ca_Kabuli_denovo	53001	(C/A)
16645	CakSNP16645	<i>Kabuli</i>	Ca_Kabuli_denovo	53002	(A/G)
16646	CakSNP16646	<i>Kabuli</i>	Ca_Kabuli_denovo	53003	(G/C)
16647	CakSNP16647	<i>Kabuli</i>	Ca_Kabuli_denovo	53207	(T/G)
16648	CakSNP16648	<i>Kabuli</i>	Ca_Kabuli_denovo	53219	(C/A)
16649	CakSNP16649	<i>Kabuli</i>	Ca_Kabuli_denovo	53399	(G/C)
16650	CakSNP16650	<i>Kabuli</i>	Ca_Kabuli_denovo	53594	(G/A)
16651	CakSNP16651	<i>Kabuli</i>	Ca_Kabuli_denovo	53782	(C/A)
16652	CakSNP16652	<i>Kabuli</i>	Ca_Kabuli_denovo	53972	(G/A)
16653	CakSNP16653	<i>Kabuli</i>	Ca_Kabuli_denovo	54229	(T/G)
16654	CakSNP16654	<i>Kabuli</i>	Ca_Kabuli_denovo	54262	(A/G)
16655	CakSNP16655	<i>Kabuli</i>	Ca_Kabuli_denovo	54267	(T/G)
16656	CakSNP16656	<i>Kabuli</i>	Ca_Kabuli_denovo	54513	(C/G)
16657	CakSNP16657	<i>Kabuli</i>	Ca_Kabuli_denovo	54540	(A/G)
16658	CakSNP16658	<i>Kabuli</i>	Ca_Kabuli_denovo	54870	(A/C)
16659	CakSNP16659	<i>Kabuli</i>	Ca_Kabuli_denovo	54877	(A/G)
16660	CakSNP16660	<i>Kabuli</i>	Ca_Kabuli_denovo	54880	(T/C)
16661	CakSNP16661	<i>Kabuli</i>	Ca_Kabuli_denovo	54888	(C/G)
16662	CakSNP16662	<i>Kabuli</i>	Ca_Kabuli_denovo	54895	(T/G)
16663	CakSNP16663	<i>Kabuli</i>	Ca_Kabuli_denovo	54900	(C/G)
16664	CakSNP16664	<i>Kabuli</i>	Ca_Kabuli_denovo	54909	(T/G)
16665	CakSNP16665	<i>Kabuli</i>	Ca_Kabuli_denovo	54910	(C/G)
16666	CakSNP16666	<i>Kabuli</i>	Ca_Kabuli_denovo	54911	(A/G)
16667	CakSNP16667	<i>Kabuli</i>	Ca_Kabuli_denovo	54915	(T/A)
16668	CakSNP16668	<i>Kabuli</i>	Ca_Kabuli_denovo	54932	(T/G)
16669	CakSNP16669	<i>Kabuli</i>	Ca_Kabuli_denovo	55406	(T/C)
16670	CakSNP16670	<i>Kabuli</i>	Ca_Kabuli_denovo	55407	(T/A)
16671	CakSNP16671	<i>Kabuli</i>	Ca_Kabuli_denovo	55408	(G/C)
16672	CakSNP16672	<i>Kabuli</i>	Ca_Kabuli_denovo	55409	(C/A)
16673	CakSNP16673	<i>Kabuli</i>	Ca_Kabuli_denovo	55504	(G/C)
16674	CakSNP16674	<i>Kabuli</i>	Ca_Kabuli_denovo	55505	(G/A)
16675	CakSNP16675	<i>Kabuli</i>	Ca_Kabuli_denovo	55506	(A/G)
16676	CakSNP16676	<i>Kabuli</i>	Ca_Kabuli_denovo	56193	(T/G)
16677	CakSNP16677	<i>Kabuli</i>	Ca_Kabuli_denovo	56223	(T/G)
16678	CakSNP16678	<i>Kabuli</i>	Ca_Kabuli_denovo	56260	(G/C)
16679	CakSNP16679	<i>Kabuli</i>	Ca_Kabuli_denovo	56261	(G/A)
16680	CakSNP16680	<i>Kabuli</i>	Ca_Kabuli_denovo	56262	(A/C)
16681	CakSNP16681	<i>Kabuli</i>	Ca_Kabuli_denovo	56263	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16682	CakSNP16682	<i>Kabuli</i>	Ca_Kabuli_denovo	56264	(C/G)
16683	CakSNP16683	<i>Kabuli</i>	Ca_Kabuli_denovo	56266	(C/T)
16684	CakSNP16684	<i>Kabuli</i>	Ca_Kabuli_denovo	56344	(G/C)
16685	CakSNP16685	<i>Kabuli</i>	Ca_Kabuli_denovo	56345	(A/G)
16686	CakSNP16686	<i>Kabuli</i>	Ca_Kabuli_denovo	56442	(C/A)
16687	CakSNP16687	<i>Kabuli</i>	Ca_Kabuli_denovo	56443	(G/C)
16688	CakSNP16688	<i>Kabuli</i>	Ca_Kabuli_denovo	56444	(A/G)
16689	CakSNP16689	<i>Kabuli</i>	Ca_Kabuli_denovo	56620	(C/A)
16690	CakSNP16690	<i>Kabuli</i>	Ca_Kabuli_denovo	56621	(A/T)
16691	CakSNP16691	<i>Kabuli</i>	Ca_Kabuli_denovo	56623	(G/C)
16692	CakSNP16692	<i>Kabuli</i>	Ca_Kabuli_denovo	56624	(C/A)
16693	CakSNP16693	<i>Kabuli</i>	Ca_Kabuli_denovo	56625	(G/A)
16694	CakSNP16694	<i>Kabuli</i>	Ca_Kabuli_denovo	56721	(C/A)
16695	CakSNP16695	<i>Kabuli</i>	Ca_Kabuli_denovo	56723	(C/G)
16696	CakSNP16696	<i>Kabuli</i>	Ca_Kabuli_denovo	56724	(G/A)
16697	CakSNP16697	<i>Kabuli</i>	Ca_Kabuli_denovo	56811	(A/T)
16698	CakSNP16698	<i>Kabuli</i>	Ca_Kabuli_denovo	56812	(T/G)
16699	CakSNP16699	<i>Kabuli</i>	Ca_Kabuli_denovo	56813	(G/C)
16700	CakSNP16700	<i>Kabuli</i>	Ca_Kabuli_denovo	56815	(C/G)
16701	CakSNP16701	<i>Kabuli</i>	Ca_Kabuli_denovo	56816	(G/A)
16702	CakSNP16702	<i>Kabuli</i>	Ca_Kabuli_denovo	56817	(G/A)
16703	CakSNP16703	<i>Kabuli</i>	Ca_Kabuli_denovo	56818	(A/G)
16704	CakSNP16704	<i>Kabuli</i>	Ca_Kabuli_denovo	56900	(A/G)
16705	CakSNP16705	<i>Kabuli</i>	Ca_Kabuli_denovo	56902	(G/A)
16706	CakSNP16706	<i>Kabuli</i>	Ca_Kabuli_denovo	56904	(A/T)
16707	CakSNP16707	<i>Kabuli</i>	Ca_Kabuli_denovo	56905	(T/G)
16708	CakSNP16708	<i>Kabuli</i>	Ca_Kabuli_denovo	56906	(G/C)
16709	CakSNP16709	<i>Kabuli</i>	Ca_Kabuli_denovo	56908	(C/G)
16710	CakSNP16710	<i>Kabuli</i>	Ca_Kabuli_denovo	56909	(G/A)
16711	CakSNP16711	<i>Kabuli</i>	Ca_Kabuli_denovo	56910	(A/G)
16712	CakSNP16712	<i>Kabuli</i>	Ca_Kabuli_denovo	56911	(G/A)
16713	CakSNP16713	<i>Kabuli</i>	Ca_Kabuli_denovo	56912	(A/C)
16714	CakSNP16714	<i>Kabuli</i>	Ca_Kabuli_denovo	56913	(T/C)
16715	CakSNP16715	<i>Kabuli</i>	Ca_Kabuli_denovo	56915	(G/C)
16716	CakSNP16716	<i>Kabuli</i>	Ca_Kabuli_denovo	56916	(T/A)
16717	CakSNP16717	<i>Kabuli</i>	Ca_Kabuli_denovo	57097	(T/G)
16718	CakSNP16718	<i>Kabuli</i>	Ca_Kabuli_denovo	57098	(C/A)
16719	CakSNP16719	<i>Kabuli</i>	Ca_Kabuli_denovo	57100	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16720	CakSNP16720	<i>Kabuli</i>	Ca_Kabuli_denovo	57101	(G/C)
16721	CakSNP16721	<i>Kabuli</i>	Ca_Kabuli_denovo	57170	(C/G)
16722	CakSNP16722	<i>Kabuli</i>	Ca_Kabuli_denovo	57172	(G/T)
16723	CakSNP16723	<i>Kabuli</i>	Ca_Kabuli_denovo	57174	(T/C)
16724	CakSNP16724	<i>Kabuli</i>	Ca_Kabuli_denovo	57175	(C/A)
16725	CakSNP16725	<i>Kabuli</i>	Ca_Kabuli_denovo	57176	(A/G)
16726	CakSNP16726	<i>Kabuli</i>	Ca_Kabuli_denovo	57177	(C/G)
16727	CakSNP16727	<i>Kabuli</i>	Ca_Kabuli_denovo	57178	(A/C)
16728	CakSNP16728	<i>Kabuli</i>	Ca_Kabuli_denovo	57193	(G/T)
16729	CakSNP16729	<i>Kabuli</i>	Ca_Kabuli_denovo	57194	(A/C)
16730	CakSNP16730	<i>Kabuli</i>	Ca_Kabuli_denovo	57195	(T/G)
16731	CakSNP16731	<i>Kabuli</i>	Ca_Kabuli_denovo	57196	(C/T)
16732	CakSNP16732	<i>Kabuli</i>	Ca_Kabuli_denovo	57271	(C/A)
16733	CakSNP16733	<i>Kabuli</i>	Ca_Kabuli_denovo	57272	(A/G)
16734	CakSNP16734	<i>Kabuli</i>	Ca_Kabuli_denovo	57275	(A/G)
16735	CakSNP16735	<i>Kabuli</i>	Ca_Kabuli_denovo	57276	(A/T)
16736	CakSNP16736	<i>Kabuli</i>	Ca_Kabuli_denovo	57277	(G/T)
16737	CakSNP16737	<i>Kabuli</i>	Ca_Kabuli_denovo	57278	(A/C)
16738	CakSNP16738	<i>Kabuli</i>	Ca_Kabuli_denovo	57280	(C/G)
16739	CakSNP16739	<i>Kabuli</i>	Ca_Kabuli_denovo	57281	(G/A)
16740	CakSNP16740	<i>Kabuli</i>	Ca_Kabuli_denovo	57282	(A/G)
16741	CakSNP16741	<i>Kabuli</i>	Ca_Kabuli_denovo	57283	(T/A)
16742	CakSNP16742	<i>Kabuli</i>	Ca_Kabuli_denovo	57285	(T/C)
16743	CakSNP16743	<i>Kabuli</i>	Ca_Kabuli_denovo	57286	(C/G)
16744	CakSNP16744	<i>Kabuli</i>	Ca_Kabuli_denovo	57287	(G/A)
16745	CakSNP16745	<i>Kabuli</i>	Ca_Kabuli_denovo	57289	(A/C)
16746	CakSNP16746	<i>Kabuli</i>	Ca_Kabuli_denovo	57955	(A/G)
16747	CakSNP16747	<i>Kabuli</i>	Ca_Kabuli_denovo	57990	(T/G)
16748	CakSNP16748	<i>Kabuli</i>	Ca_Kabuli_denovo	58026	(A/C)
16749	CakSNP16749	<i>Kabuli</i>	Ca_Kabuli_denovo	58029	(C/T)
16750	CakSNP16750	<i>Kabuli</i>	Ca_Kabuli_denovo	58031	(T/G)
16751	CakSNP16751	<i>Kabuli</i>	Ca_Kabuli_denovo	58032	(C/A)
16752	CakSNP16752	<i>Kabuli</i>	Ca_Kabuli_denovo	58033	(G/T)
16753	CakSNP16753	<i>Kabuli</i>	Ca_Kabuli_denovo	58046	(T/G)
16754	CakSNP16754	<i>Kabuli</i>	Ca_Kabuli_denovo	58761	(G/A)
16755	CakSNP16755	<i>Kabuli</i>	Ca_Kabuli_denovo	58763	(G/A)
16756	CakSNP16756	<i>Kabuli</i>	Ca_Kabuli_denovo	58765	(G/A)
16757	CakSNP16757	<i>Kabuli</i>	Ca_Kabuli_denovo	59113	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16758	CakSNP16758	<i>Kabuli</i>	Ca_Kabuli_denovo	60062	(C/G)
16759	CakSNP16759	<i>Kabuli</i>	Ca_Kabuli_denovo	60064	(T/G)
16760	CakSNP16760	<i>Kabuli</i>	Ca_Kabuli_denovo	60066	(C/T)
16761	CakSNP16761	<i>Kabuli</i>	Ca_Kabuli_denovo	60711	(G/A)
16762	CakSNP16762	<i>Kabuli</i>	Ca_Kabuli_denovo	60712	(A/G)
16763	CakSNP16763	<i>Kabuli</i>	Ca_Kabuli_denovo	62231	(G/A)
16764	CakSNP16764	<i>Kabuli</i>	Ca_Kabuli_denovo	62282	(G/A)
16765	CakSNP16765	<i>Kabuli</i>	Ca_Kabuli_denovo	62560	(G/A)
16766	CakSNP16766	<i>Kabuli</i>	Ca_Kabuli_denovo	62562	(G/A)
16767	CakSNP16767	<i>Kabuli</i>	Ca_Kabuli_denovo	63303	(C/G)
16768	CakSNP16768	<i>Kabuli</i>	Ca_Kabuli_denovo	63305	(T/G)
16769	CakSNP16769	<i>Kabuli</i>	Ca_Kabuli_denovo	63307	(C/T)
16770	CakSNP16770	<i>Kabuli</i>	Ca_Kabuli_denovo	64427	(T/C)
16771	CakSNP16771	<i>Kabuli</i>	Ca_Kabuli_denovo	64428	(T/A)
16772	CakSNP16772	<i>Kabuli</i>	Ca_Kabuli_denovo	64429	(G/C)
16773	CakSNP16773	<i>Kabuli</i>	Ca_Kabuli_denovo	64525	(C/G)
16774	CakSNP16774	<i>Kabuli</i>	Ca_Kabuli_denovo	64526	(G/A)
16775	CakSNP16775	<i>Kabuli</i>	Ca_Kabuli_denovo	66001	(G/A)
16776	CakSNP16776	<i>Kabuli</i>	Ca_Kabuli_denovo	66003	(G/A)
16777	CakSNP16777	<i>Kabuli</i>	Ca_Kabuli_denovo	66373	(G/A)
16778	CakSNP16778	<i>Kabuli</i>	Ca_Kabuli_denovo	67505	(A/G)
16779	CakSNP16779	<i>Kabuli</i>	Ca_Kabuli_denovo	67506	(C/G)
16780	CakSNP16780	<i>Kabuli</i>	Ca_Kabuli_denovo	67912	(G/T)
16781	CakSNP16781	<i>Kabuli</i>	Ca_Kabuli_denovo	68709	(G/A)
16782	CakSNP16782	<i>Kabuli</i>	Ca_Kabuli_denovo	68710	(C/G)
16783	CakSNP16783	<i>Kabuli</i>	Ca_Kabuli_denovo	68711	(A/C)
16784	CakSNP16784	<i>Kabuli</i>	Ca_Kabuli_denovo	68712	(A/G)
16785	CakSNP16785	<i>Kabuli</i>	Ca_Kabuli_denovo	68714	(G/A)
16786	CakSNP16786	<i>Kabuli</i>	Ca_Kabuli_denovo	68716	(A/T)
16787	CakSNP16787	<i>Kabuli</i>	Ca_Kabuli_denovo	69930	(C/G)
16788	CakSNP16788	<i>Kabuli</i>	Ca_Kabuli_denovo	69932	(G/T)
16789	CakSNP16789	<i>Kabuli</i>	Ca_Kabuli_denovo	69934	(C/T)
16790	CakSNP16790	<i>Kabuli</i>	Ca_Kabuli_denovo	69935	(A/C)
16791	CakSNP16791	<i>Kabuli</i>	Ca_Kabuli_denovo	69936	(G/A)
16792	CakSNP16792	<i>Kabuli</i>	Ca_Kabuli_denovo	69937	(C/G)
16793	CakSNP16793	<i>Kabuli</i>	Ca_Kabuli_denovo	71409	(G/A)
16794	CakSNP16794	<i>Kabuli</i>	Ca_Kabuli_denovo	71411	(G/A)
16795	CakSNP16795	<i>Kabuli</i>	Ca_Kabuli_denovo	72745	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16796	CakSNP16796	<i>Kabuli</i>	Ca_Kabuli_denovo	74388	(G/C)
16797	CakSNP16797	<i>Kabuli</i>	Ca_Kabuli_denovo	74389	(C/G)
16798	CakSNP16798	<i>Kabuli</i>	Ca_Kabuli_denovo	74391	(T/G)
16799	CakSNP16799	<i>Kabuli</i>	Ca_Kabuli_denovo	74393	(C/T)
16800	CakSNP16800	<i>Kabuli</i>	Ca_Kabuli_denovo	74394	(A/C)
16801	CakSNP16801	<i>Kabuli</i>	Ca_Kabuli_denovo	74952	(C/G)
16802	CakSNP16802	<i>Kabuli</i>	Ca_Kabuli_denovo	74954	(G/T)
16803	CakSNP16803	<i>Kabuli</i>	Ca_Kabuli_denovo	74956	(C/T)
16804	CakSNP16804	<i>Kabuli</i>	Ca_Kabuli_denovo	74957	(A/C)
16805	CakSNP16805	<i>Kabuli</i>	Ca_Kabuli_denovo	74958	(G/A)
16806	CakSNP16806	<i>Kabuli</i>	Ca_Kabuli_denovo	74959	(C/G)
16807	CakSNP16807	<i>Kabuli</i>	Ca_Kabuli_denovo	74972	(A/G)
16808	CakSNP16808	<i>Kabuli</i>	Ca_Kabuli_denovo	75008	(G/A)
16809	CakSNP16809	<i>Kabuli</i>	Ca_Kabuli_denovo	76173	(A/G)
16810	CakSNP16810	<i>Kabuli</i>	Ca_Kabuli_denovo	76178	(G/A)
16811	CakSNP16811	<i>Kabuli</i>	Ca_Kabuli_denovo	76193	(C/G)
16812	CakSNP16812	<i>Kabuli</i>	Ca_Kabuli_denovo	76204	(C/G)
16813	CakSNP16813	<i>Kabuli</i>	Ca_Kabuli_denovo	76218	(T/G)
16814	CakSNP16814	<i>Kabuli</i>	Ca_Kabuli_denovo	76228	(G/C)
16815	CakSNP16815	<i>Kabuli</i>	Ca_Kabuli_denovo	76288	(C/T)
16816	CakSNP16816	<i>Kabuli</i>	Ca_Kabuli_denovo	76295	(G/T)
16817	CakSNP16817	<i>Kabuli</i>	Ca_Kabuli_denovo	76452	(T/A)
16818	CakSNP16818	<i>Kabuli</i>	Ca_Kabuli_denovo	76513	(A/G)
16819	CakSNP16819	<i>Kabuli</i>	Ca_Kabuli_denovo	76517	(T/C)
16820	CakSNP16820	<i>Kabuli</i>	Ca_Kabuli_denovo	76530	(T/G)
16821	CakSNP16821	<i>Kabuli</i>	Ca_Kabuli_denovo	76561	(G/T)
16822	CakSNP16822	<i>Kabuli</i>	Ca_Kabuli_denovo	76579	(G/A)
16823	CakSNP16823	<i>Kabuli</i>	Ca_Kabuli_denovo	77007	(T/A)
16824	CakSNP16824	<i>Kabuli</i>	Ca_Kabuli_denovo	77013	(A/T)
16825	CakSNP16825	<i>Kabuli</i>	Ca_Kabuli_denovo	77051	(T/A)
16826	CakSNP16826	<i>Kabuli</i>	Ca_Kabuli_denovo	77063	(A/G)
16827	CakSNP16827	<i>Kabuli</i>	Ca_Kabuli_denovo	78895	(C/T)
16828	CakSNP16828	<i>Kabuli</i>	Ca_Kabuli_denovo	78946	(C/T)
16829	CakSNP16829	<i>Kabuli</i>	Ca_Kabuli_denovo	79307	(T/A)
16830	CakSNP16830	<i>Kabuli</i>	Ca_Kabuli_denovo	79308	(T/G)
16831	CakSNP16831	<i>Kabuli</i>	Ca_Kabuli_denovo	79309	(C/G)
16832	CakSNP16832	<i>Kabuli</i>	Ca_Kabuli_denovo	79311	(A/G)
16833	CakSNP16833	<i>Kabuli</i>	Ca_Kabuli_denovo	79312	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16834	CakSNP16834	<i>Kabuli</i>	Ca_Kabuli_denovo	79313	(G/A)
16835	CakSNP16835	<i>Kabuli</i>	Ca_Kabuli_denovo	83072	(C/T)
16836	CakSNP16836	<i>Kabuli</i>	Ca_Kabuli_denovo	83103	(C/G)
16837	CakSNP16837	<i>Kabuli</i>	Ca_Kabuli_denovo	83773	(C/G)
16838	CakSNP16838	<i>Kabuli</i>	Ca_Kabuli_denovo	83775	(A/G)
16839	CakSNP16839	<i>Kabuli</i>	Ca_Kabuli_denovo	83776	(T/C)
16840	CakSNP16840	<i>Kabuli</i>	Ca_Kabuli_denovo	83777	(G/A)
16841	CakSNP16841	<i>Kabuli</i>	Ca_Kabuli_denovo	83885	(A/C)
16842	CakSNP16842	<i>Kabuli</i>	Ca_Kabuli_denovo	84999	(T/G)
16843	CakSNP16843	<i>Kabuli</i>	Ca_Kabuli_denovo	85000	(G/A)
16844	CakSNP16844	<i>Kabuli</i>	Ca_Kabuli_denovo	85001	(C/G)
16845	CakSNP16845	<i>Kabuli</i>	Ca_Kabuli_denovo	85003	(G/C)
16846	CakSNP16846	<i>Kabuli</i>	Ca_Kabuli_denovo	89165	(G/A)
16847	CakSNP16847	<i>Kabuli</i>	Ca_Kabuli_denovo	89167	(G/A)
16848	CakSNP16848	<i>Kabuli</i>	Ca_Kabuli_denovo	89731	(C/G)
16849	CakSNP16849	<i>Kabuli</i>	Ca_Kabuli_denovo	89733	(A/G)
16850	CakSNP16850	<i>Kabuli</i>	Ca_Kabuli_denovo	89829	(G/A)
16851	CakSNP16851	<i>Kabuli</i>	Ca_Kabuli_denovo	89830	(G/A)
16852	CakSNP16852	<i>Kabuli</i>	Ca_Kabuli_denovo	90103	(G/A)
16853	CakSNP16853	<i>Kabuli</i>	Ca_Kabuli_denovo	90105	(G/A)
16854	CakSNP16854	<i>Kabuli</i>	Ca_Kabuli_denovo	90106	(A/G)
16855	CakSNP16855	<i>Kabuli</i>	Ca_Kabuli_denovo	90209	(A/C)
16856	CakSNP16856	<i>Kabuli</i>	Ca_Kabuli_denovo	90210	(G/T)
16857	CakSNP16857	<i>Kabuli</i>	Ca_Kabuli_denovo	90211	(A/G)
16858	CakSNP16858	<i>Kabuli</i>	Ca_Kabuli_denovo	90488	(A/C)
16859	CakSNP16859	<i>Kabuli</i>	Ca_Kabuli_denovo	92231	(G/A)
16860	CakSNP16860	<i>Kabuli</i>	Ca_Kabuli_denovo	92233	(G/A)
16861	CakSNP16861	<i>Kabuli</i>	Ca_Kabuli_denovo	92989	(T/A)
16862	CakSNP16862	<i>Kabuli</i>	Ca_Kabuli_denovo	92990	(G/T)
16863	CakSNP16863	<i>Kabuli</i>	Ca_Kabuli_denovo	94682	(G/A)
16864	CakSNP16864	<i>Kabuli</i>	Ca_Kabuli_denovo	94731	(G/A)
16865	CakSNP16865	<i>Kabuli</i>	Ca_Kabuli_denovo	96656	(C/T)
16866	CakSNP16866	<i>Kabuli</i>	Ca_Kabuli_denovo	96658	(A/C)
16867	CakSNP16867	<i>Kabuli</i>	Ca_Kabuli_denovo	96660	(G/A)
16868	CakSNP16868	<i>Kabuli</i>	Ca_Kabuli_denovo	96989	(A/G)
16869	CakSNP16869	<i>Kabuli</i>	Ca_Kabuli_denovo	96991	(A/G)
16870	CakSNP16870	<i>Kabuli</i>	Ca_Kabuli_denovo	96993	(T/A)
16871	CakSNP16871	<i>Kabuli</i>	Ca_Kabuli_denovo	96994	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16872	CakSNP16872	<i>Kabuli</i>	Ca_Kabuli_denovo	96995	(C/G)
16873	CakSNP16873	<i>Kabuli</i>	Ca_Kabuli_denovo	98504	(A/G)
16874	CakSNP16874	<i>Kabuli</i>	Ca_Kabuli_denovo	98519	(A/G)
16875	CakSNP16875	<i>Kabuli</i>	Ca_Kabuli_denovo	98520	(A/G)
16876	CakSNP16876	<i>Kabuli</i>	Ca_Kabuli_denovo	98532	(G/A)
16877	CakSNP16877	<i>Kabuli</i>	Ca_Kabuli_denovo	98534	(C/G)
16878	CakSNP16878	<i>Kabuli</i>	Ca_Kabuli_denovo	98536	(C/G)
16879	CakSNP16879	<i>Kabuli</i>	Ca_Kabuli_denovo	98537	(A/G)
16880	CakSNP16880	<i>Kabuli</i>	Ca_Kabuli_denovo	98550	(A/C)
16881	CakSNP16881	<i>Kabuli</i>	Ca_Kabuli_denovo	98564	(A/G)
16882	CakSNP16882	<i>Kabuli</i>	Ca_Kabuli_denovo	98567	(A/G)
16883	CakSNP16883	<i>Kabuli</i>	Ca_Kabuli_denovo	98874	(T/A)
16884	CakSNP16884	<i>Kabuli</i>	Ca_Kabuli_denovo	98885	(T/C)
16885	CakSNP16885	<i>Kabuli</i>	Ca_Kabuli_denovo	98887	(T/C)
16886	CakSNP16886	<i>Kabuli</i>	Ca_Kabuli_denovo	98913	(G/T)
16887	CakSNP16887	<i>Kabuli</i>	Ca_Kabuli_denovo	99120	(T/C)
16888	CakSNP16888	<i>Kabuli</i>	Ca_Kabuli_denovo	99137	(A/G)
16889	CakSNP16889	<i>Kabuli</i>	Ca_Kabuli_denovo	99210	(C/G)
16890	CakSNP16890	<i>Kabuli</i>	Ca_Kabuli_denovo	99212	(T/G)
16891	CakSNP16891	<i>Kabuli</i>	Ca_Kabuli_denovo	99214	(C/T)
16892	CakSNP16892	<i>Kabuli</i>	Ca_Kabuli_denovo	99215	(A/C)
16893	CakSNP16893	<i>Kabuli</i>	Ca_Kabuli_denovo	99985	(A/G)
16894	CakSNP16894	<i>Kabuli</i>	Ca_Kabuli_denovo	99996	(A/G)
16895	CakSNP16895	<i>Kabuli</i>	Ca_Kabuli_denovo	99997	(A/G)
16896	CakSNP16896	<i>Kabuli</i>	Ca_Kabuli_denovo	100026	(C/G)
16897	CakSNP16897	<i>Kabuli</i>	Ca_Kabuli_denovo	100032	(A/G)
16898	CakSNP16898	<i>Kabuli</i>	Ca_Kabuli_denovo	100035	(A/T)
16899	CakSNP16899	<i>Kabuli</i>	Ca_Kabuli_denovo	100038	(C/G)
16900	CakSNP16900	<i>Kabuli</i>	Ca_Kabuli_denovo	100039	(C/G)
16901	CakSNP16901	<i>Kabuli</i>	Ca_Kabuli_denovo	100051	(A/G)
16902	CakSNP16902	<i>Kabuli</i>	Ca_Kabuli_denovo	100054	(A/G)
16903	CakSNP16903	<i>Kabuli</i>	Ca_Kabuli_denovo	100063	(A/G)
16904	CakSNP16904	<i>Kabuli</i>	Ca_Kabuli_denovo	101348	(T/G)
16905	CakSNP16905	<i>Kabuli</i>	Ca_Kabuli_denovo	101357	(A/G)
16906	CakSNP16906	<i>Kabuli</i>	Ca_Kabuli_denovo	101358	(A/C)
16907	CakSNP16907	<i>Kabuli</i>	Ca_Kabuli_denovo	101359	(T/C)
16908	CakSNP16908	<i>Kabuli</i>	Ca_Kabuli_denovo	101361	(A/C)
16909	CakSNP16909	<i>Kabuli</i>	Ca_Kabuli_denovo	101362	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16910	CakSNP16910	<i>Kabuli</i>	Ca_Kabuli_denovo	101363	(A/G)
16911	CakSNP16911	<i>Kabuli</i>	Ca_Kabuli_denovo	101364	(C/A)
16912	CakSNP16912	<i>Kabuli</i>	Ca_Kabuli_denovo	101367	(A/C)
16913	CakSNP16913	<i>Kabuli</i>	Ca_Kabuli_denovo	101371	(C/T)
16914	CakSNP16914	<i>Kabuli</i>	Ca_Kabuli_denovo	101919	(C/A)
16915	CakSNP16915	<i>Kabuli</i>	Ca_Kabuli_denovo	101920	(C/T)
16916	CakSNP16916	<i>Kabuli</i>	Ca_Kabuli_denovo	101921	(G/C)
16917	CakSNP16917	<i>Kabuli</i>	Ca_Kabuli_denovo	102039	(A/G)
16918	CakSNP16918	<i>Kabuli</i>	Ca_Kabuli_denovo	102047	(G/A)
16919	CakSNP16919	<i>Kabuli</i>	Ca_Kabuli_denovo	102091	(A/C)
16920	CakSNP16920	<i>Kabuli</i>	Ca_Kabuli_denovo	102099	(C/T)
16921	CakSNP16921	<i>Kabuli</i>	Ca_Kabuli_denovo	102171	(G/A)
16922	CakSNP16922	<i>Kabuli</i>	Ca_Kabuli_denovo	102173	(G/A)
16923	CakSNP16923	<i>Kabuli</i>	Ca_Kabuli_denovo	105285	(C/G)
16924	CakSNP16924	<i>Kabuli</i>	Ca_Kabuli_denovo	105303	(C/G)
16925	CakSNP16925	<i>Kabuli</i>	Ca_Kabuli_denovo	105305	(T/C)
16926	CakSNP16926	<i>Kabuli</i>	Ca_Kabuli_denovo	105319	(G/T)
16927	CakSNP16927	<i>Kabuli</i>	Ca_Kabuli_denovo	105320	(T/G)
16928	CakSNP16928	<i>Kabuli</i>	Ca_Kabuli_denovo	105321	(C/A)
16929	CakSNP16929	<i>Kabuli</i>	Ca_Kabuli_denovo	105326	(T/G)
16930	CakSNP16930	<i>Kabuli</i>	Ca_Kabuli_denovo	105336	(A/G)
16931	CakSNP16931	<i>Kabuli</i>	Ca_Kabuli_denovo	105339	(C/G)
16932	CakSNP16932	<i>Kabuli</i>	Ca_Kabuli_denovo	105790	(G/T)
16933	CakSNP16933	<i>Kabuli</i>	Ca_Kabuli_denovo	105792	(T/C)
16934	CakSNP16934	<i>Kabuli</i>	Ca_Kabuli_denovo	105795	(A/C)
16935	CakSNP16935	<i>Kabuli</i>	Ca_Kabuli_denovo	105819	(G/T)
16936	CakSNP16936	<i>Kabuli</i>	Ca_Kabuli_denovo	106278	(A/G)
16937	CakSNP16937	<i>Kabuli</i>	Ca_Kabuli_denovo	106280	(C/G)
16938	CakSNP16938	<i>Kabuli</i>	Ca_Kabuli_denovo	106282	(T/G)
16939	CakSNP16939	<i>Kabuli</i>	Ca_Kabuli_denovo	106284	(C/T)
16940	CakSNP16940	<i>Kabuli</i>	Ca_Kabuli_denovo	107119	(C/G)
16941	CakSNP16941	<i>Kabuli</i>	Ca_Kabuli_denovo	107120	(A/C)
16942	CakSNP16942	<i>Kabuli</i>	Ca_Kabuli_denovo	107121	(G/C)
16943	CakSNP16943	<i>Kabuli</i>	Ca_Kabuli_denovo	107124	(G/A)
16944	CakSNP16944	<i>Kabuli</i>	Ca_Kabuli_denovo	107125	(A/T)
16945	CakSNP16945	<i>Kabuli</i>	Ca_Kabuli_denovo	110466	(G/A)
16946	CakSNP16946	<i>Kabuli</i>	Ca_Kabuli_denovo	110468	(G/A)
16947	CakSNP16947	<i>Kabuli</i>	Ca_Kabuli_denovo	111292	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16948	CakSNP16948	<i>Kabuli</i>	Ca_Kabuli_denovo	111294	(T/G)
16949	CakSNP16949	<i>Kabuli</i>	Ca_Kabuli_denovo	111296	(C/T)
16950	CakSNP16950	<i>Kabuli</i>	Ca_Kabuli_denovo	115118	(A/C)
16951	CakSNP16951	<i>Kabuli</i>	Ca_Kabuli_denovo	115119	(G/C)
16952	CakSNP16952	<i>Kabuli</i>	Ca_Kabuli_denovo	115122	(G/A)
16953	CakSNP16953	<i>Kabuli</i>	Ca_Kabuli_denovo	115123	(A/T)
16954	CakSNP16954	<i>Kabuli</i>	Ca_Kabuli_denovo	115219	(G/C)
16955	CakSNP16955	<i>Kabuli</i>	Ca_Kabuli_denovo	115220	(A/G)
16956	CakSNP16956	<i>Kabuli</i>	Ca_Kabuli_denovo	115768	(C/A)
16957	CakSNP16957	<i>Kabuli</i>	Ca_Kabuli_denovo	115769	(T/A)
16958	CakSNP16958	<i>Kabuli</i>	Ca_Kabuli_denovo	115771	(C/G)
16959	CakSNP16959	<i>Kabuli</i>	Ca_Kabuli_denovo	116794	(G/A)
16960	CakSNP16960	<i>Kabuli</i>	Ca_Kabuli_denovo	116795	(A/T)
16961	CakSNP16961	<i>Kabuli</i>	Ca_Kabuli_denovo	116796	(G/A)
16962	CakSNP16962	<i>Kabuli</i>	Ca_Kabuli_denovo	116797	(C/T)
16963	CakSNP16963	<i>Kabuli</i>	Ca_Kabuli_denovo	116798	(C/G)
16964	CakSNP16964	<i>Kabuli</i>	Ca_Kabuli_denovo	116954	(A/G)
16965	CakSNP16965	<i>Kabuli</i>	Ca_Kabuli_denovo	117155	(A/G)
16966	CakSNP16966	<i>Kabuli</i>	Ca_Kabuli_denovo	117163	(T/C)
16967	CakSNP16967	<i>Kabuli</i>	Ca_Kabuli_denovo	117344	(T/C)
16968	CakSNP16968	<i>Kabuli</i>	Ca_Kabuli_denovo	117345	(T/A)
16969	CakSNP16969	<i>Kabuli</i>	Ca_Kabuli_denovo	117346	(G/C)
16970	CakSNP16970	<i>Kabuli</i>	Ca_Kabuli_denovo	117347	(G/A)
16971	CakSNP16971	<i>Kabuli</i>	Ca_Kabuli_denovo	117802	(A/G)
16972	CakSNP16972	<i>Kabuli</i>	Ca_Kabuli_denovo	117804	(A/G)
16973	CakSNP16973	<i>Kabuli</i>	Ca_Kabuli_denovo	117806	(T/C)
16974	CakSNP16974	<i>Kabuli</i>	Ca_Kabuli_denovo	117807	(T/G)
16975	CakSNP16975	<i>Kabuli</i>	Ca_Kabuli_denovo	117901	(G/C)
16976	CakSNP16976	<i>Kabuli</i>	Ca_Kabuli_denovo	117996	(T/G)
16977	CakSNP16977	<i>Kabuli</i>	Ca_Kabuli_denovo	118000	(G/C)
16978	CakSNP16978	<i>Kabuli</i>	Ca_Kabuli_denovo	118002	(A/G)
16979	CakSNP16979	<i>Kabuli</i>	Ca_Kabuli_denovo	119682	(C/G)
16980	CakSNP16980	<i>Kabuli</i>	Ca_Kabuli_denovo	119765	(A/G)
16981	CakSNP16981	<i>Kabuli</i>	Ca_Kabuli_denovo	119767	(A/C)
16982	CakSNP16982	<i>Kabuli</i>	Ca_Kabuli_denovo	122783	(T/C)
16983	CakSNP16983	<i>Kabuli</i>	Ca_Kabuli_denovo	122839	(T/G)
16984	CakSNP16984	<i>Kabuli</i>	Ca_Kabuli_denovo	124009	(G/T)
16985	CakSNP16985	<i>Kabuli</i>	Ca_Kabuli_denovo	124031	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16986	CakSNP16986	<i>Kabuli</i>	Ca_Kabuli_denovo	124227	(G/T)
16987	CakSNP16987	<i>Kabuli</i>	Ca_Kabuli_denovo	124274	(G/A)
16988	CakSNP16988	<i>Kabuli</i>	Ca_Kabuli_denovo	124738	(T/A)
16989	CakSNP16989	<i>Kabuli</i>	Ca_Kabuli_denovo	124751	(T/A)
16990	CakSNP16990	<i>Kabuli</i>	Ca_Kabuli_denovo	124772	(C/G)
16991	CakSNP16991	<i>Kabuli</i>	Ca_Kabuli_denovo	124780	(A/G)
16992	CakSNP16992	<i>Kabuli</i>	Ca_Kabuli_denovo	125616	(A/G)
16993	CakSNP16993	<i>Kabuli</i>	Ca_Kabuli_denovo	125617	(T/G)
16994	CakSNP16994	<i>Kabuli</i>	Ca_Kabuli_denovo	125618	(T/C)
16995	CakSNP16995	<i>Kabuli</i>	Ca_Kabuli_denovo	127024	(A/G)
16996	CakSNP16996	<i>Kabuli</i>	Ca_Kabuli_denovo	127401	(T/G)
16997	CakSNP16997	<i>Kabuli</i>	Ca_Kabuli_denovo	127409	(G/T)
16998	CakSNP16998	<i>Kabuli</i>	Ca_Kabuli_denovo	127410	(G/T)
16999	CakSNP16999	<i>Kabuli</i>	Ca_Kabuli_denovo	127411	(G/C)
17000	CakSNP17000	<i>Kabuli</i>	Ca_Kabuli_denovo	127493	(A/G)
17001	CakSNP17001	<i>Kabuli</i>	Ca_Kabuli_denovo	127494	(A/G)
17002	CakSNP17002	<i>Kabuli</i>	Ca_Kabuli_denovo	129540	(A/C)
17003	CakSNP17003	<i>Kabuli</i>	Ca_Kabuli_denovo	129899	(T/G)
17004	CakSNP17004	<i>Kabuli</i>	Ca_Kabuli_denovo	129902	(A/C)
17005	CakSNP17005	<i>Kabuli</i>	Ca_Kabuli_denovo	129903	(G/A)
17006	CakSNP17006	<i>Kabuli</i>	Ca_Kabuli_denovo	129904	(C/G)
17007	CakSNP17007	<i>Kabuli</i>	Ca_Kabuli_denovo	129905	(C/A)
17008	CakSNP17008	<i>Kabuli</i>	Ca_Kabuli_denovo	129906	(A/G)
17009	CakSNP17009	<i>Kabuli</i>	Ca_Kabuli_denovo	129908	(G/A)
17010	CakSNP17010	<i>Kabuli</i>	Ca_Kabuli_denovo	130839	(A/C)
17011	CakSNP17011	<i>Kabuli</i>	Ca_Kabuli_denovo	130840	(T/G)
17012	CakSNP17012	<i>Kabuli</i>	Ca_Kabuli_denovo	130841	(G/A)
17013	CakSNP17013	<i>Kabuli</i>	Ca_Kabuli_denovo	130842	(C/T)
17014	CakSNP17014	<i>Kabuli</i>	Ca_Kabuli_denovo	133633	(A/G)
17015	CakSNP17015	<i>Kabuli</i>	Ca_Kabuli_denovo	133634	(A/G)
17016	CakSNP17016	<i>Kabuli</i>	Ca_Kabuli_denovo	136132	(G/A)
17017	CakSNP17017	<i>Kabuli</i>	Ca_Kabuli_denovo	136134	(G/A)
17018	CakSNP17018	<i>Kabuli</i>	Ca_Kabuli_denovo	138972	(A/G)
17019	CakSNP17019	<i>Kabuli</i>	Ca_Kabuli_denovo	139763	(T/G)
17020	CakSNP17020	<i>Kabuli</i>	Ca_Kabuli_denovo	139764	(G/C)
17021	CakSNP17021	<i>Kabuli</i>	Ca_Kabuli_denovo	140441	(G/T)
17022	CakSNP17022	<i>Kabuli</i>	Ca_Kabuli_denovo	140457	(T/G)
17023	CakSNP17023	<i>Kabuli</i>	Ca_Kabuli_denovo	140481	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17024	CakSNP17024	<i>Kabuli</i>	Ca_Kabuli_denovo	143491	(C/G)
17025	CakSNP17025	<i>Kabuli</i>	Ca_Kabuli_denovo	143493	(T/G)
17026	CakSNP17026	<i>Kabuli</i>	Ca_Kabuli_denovo	143495	(C/T)
17027	CakSNP17027	<i>Kabuli</i>	Ca_Kabuli_denovo	143496	(A/C)
17028	CakSNP17028	<i>Kabuli</i>	Ca_Kabuli_denovo	143497	(G/A)
17029	CakSNP17029	<i>Kabuli</i>	Ca_Kabuli_denovo	146274	(G/A)
17030	CakSNP17030	<i>Kabuli</i>	Ca_Kabuli_denovo	146364	(A/G)
17031	CakSNP17031	<i>Kabuli</i>	Ca_Kabuli_denovo	146747	(A/G)
17032	CakSNP17032	<i>Kabuli</i>	Ca_Kabuli_denovo	146749	(G/A)
17033	CakSNP17033	<i>Kabuli</i>	Ca_Kabuli_denovo	146751	(T/A)
17034	CakSNP17034	<i>Kabuli</i>	Ca_Kabuli_denovo	146753	(C/G)
17035	CakSNP17035	<i>Kabuli</i>	Ca_Kabuli_denovo	146755	(G/C)
17036	CakSNP17036	<i>Kabuli</i>	Ca_Kabuli_denovo	147027	(A/G)
17037	CakSNP17037	<i>Kabuli</i>	Ca_Kabuli_denovo	147029	(A/G)
17038	CakSNP17038	<i>Kabuli</i>	Ca_Kabuli_denovo	147031	(A/T)
17039	CakSNP17039	<i>Kabuli</i>	Ca_Kabuli_denovo	147032	(G/T)
17040	CakSNP17040	<i>Kabuli</i>	Ca_Kabuli_denovo	147033	(C/G)
17041	CakSNP17041	<i>Kabuli</i>	Ca_Kabuli_denovo	149439	(A/C)
17042	CakSNP17042	<i>Kabuli</i>	Ca_Kabuli_denovo	149440	(G/T)
17043	CakSNP17043	<i>Kabuli</i>	Ca_Kabuli_denovo	149628	(C/G)
17044	CakSNP17044	<i>Kabuli</i>	Ca_Kabuli_denovo	149629	(C/A)
17045	CakSNP17045	<i>Kabuli</i>	Ca_Kabuli_denovo	149632	(C/G)
17046	CakSNP17046	<i>Kabuli</i>	Ca_Kabuli_denovo	149809	(A/G)
17047	CakSNP17047	<i>Kabuli</i>	Ca_Kabuli_denovo	149811	(A/G)
17048	CakSNP17048	<i>Kabuli</i>	Ca_Kabuli_denovo	149813	(T/A)
17049	CakSNP17049	<i>Kabuli</i>	Ca_Kabuli_denovo	150092	(A/G)
17050	CakSNP17050	<i>Kabuli</i>	Ca_Kabuli_denovo	150094	(G/A)
17051	CakSNP17051	<i>Kabuli</i>	Ca_Kabuli_denovo	150096	(T/A)
17052	CakSNP17052	<i>Kabuli</i>	Ca_Kabuli_denovo	150097	(G/T)
17053	CakSNP17053	<i>Kabuli</i>	Ca_Kabuli_denovo	150098	(C/G)
17054	CakSNP17054	<i>Kabuli</i>	Ca_Kabuli_denovo	150669	(A/G)
17055	CakSNP17055	<i>Kabuli</i>	Ca_Kabuli_denovo	150688	(T/G)
17056	CakSNP17056	<i>Kabuli</i>	Ca_Kabuli_denovo	150703	(A/G)
17057	CakSNP17057	<i>Kabuli</i>	Ca_Kabuli_denovo	150706	(T/A)
17058	CakSNP17058	<i>Kabuli</i>	Ca_Kabuli_denovo	150720	(A/G)
17059	CakSNP17059	<i>Kabuli</i>	Ca_Kabuli_denovo	150730	(A/G)
17060	CakSNP17060	<i>Kabuli</i>	Ca_Kabuli_denovo	150734	(G/A)
17061	CakSNP17061	<i>Kabuli</i>	Ca_Kabuli_denovo	153852	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17062	CakSNP17062	<i>Kabuli</i>	Ca_Kabuli_denovo	154095	(C/G)
17063	CakSNP17063	<i>Kabuli</i>	Ca_Kabuli_denovo	154096	(G/A)
17064	CakSNP17064	<i>Kabuli</i>	Ca_Kabuli_denovo	154097	(T/A)
17065	CakSNP17065	<i>Kabuli</i>	Ca_Kabuli_denovo	154098	(C/T)
17066	CakSNP17066	<i>Kabuli</i>	Ca_Kabuli_denovo	154640	(G/A)
17067	CakSNP17067	<i>Kabuli</i>	Ca_Kabuli_denovo	155679	(A/G)
17068	CakSNP17068	<i>Kabuli</i>	Ca_Kabuli_denovo	155681	(A/G)
17069	CakSNP17069	<i>Kabuli</i>	Ca_Kabuli_denovo	155683	(A/T)
17070	CakSNP17070	<i>Kabuli</i>	Ca_Kabuli_denovo	156229	(A/G)
17071	CakSNP17071	<i>Kabuli</i>	Ca_Kabuli_denovo	156322	(T/G)
17072	CakSNP17072	<i>Kabuli</i>	Ca_Kabuli_denovo	156323	(G/A)
17073	CakSNP17073	<i>Kabuli</i>	Ca_Kabuli_denovo	156324	(C/G)
17074	CakSNP17074	<i>Kabuli</i>	Ca_Kabuli_denovo	156325	(A/C)
17075	CakSNP17075	<i>Kabuli</i>	Ca_Kabuli_denovo	156492	(A/G)
17076	CakSNP17076	<i>Kabuli</i>	Ca_Kabuli_denovo	156493	(G/A)
17077	CakSNP17077	<i>Kabuli</i>	Ca_Kabuli_denovo	156494	(C/G)
17078	CakSNP17078	<i>Kabuli</i>	Ca_Kabuli_denovo	157819	(C/G)
17079	CakSNP17079	<i>Kabuli</i>	Ca_Kabuli_denovo	157821	(G/A)
17080	CakSNP17080	<i>Kabuli</i>	Ca_Kabuli_denovo	157822	(A/G)
17081	CakSNP17081	<i>Kabuli</i>	Ca_Kabuli_denovo	157997	(G/C)
17082	CakSNP17082	<i>Kabuli</i>	Ca_Kabuli_denovo	158850	(C/A)
17083	CakSNP17083	<i>Kabuli</i>	Ca_Kabuli_denovo	159015	(G/A)
17084	CakSNP17084	<i>Kabuli</i>	Ca_Kabuli_denovo	159016	(G/C)
17085	CakSNP17085	<i>Kabuli</i>	Ca_Kabuli_denovo	159017	(A/C)
17086	CakSNP17086	<i>Kabuli</i>	Ca_Kabuli_denovo	159018	(A/G)
17087	CakSNP17087	<i>Kabuli</i>	Ca_Kabuli_denovo	159019	(T/A)
17088	CakSNP17088	<i>Kabuli</i>	Ca_Kabuli_denovo	159020	(G/T)
17089	CakSNP17089	<i>Kabuli</i>	Ca_Kabuli_denovo	164804	(T/G)
17090	CakSNP17090	<i>Kabuli</i>	Ca_Kabuli_denovo	164847	(T/C)
17091	CakSNP17091	<i>Kabuli</i>	Ca_Kabuli_denovo	164877	(A/G)
17092	CakSNP17092	<i>Kabuli</i>	Ca_Kabuli_denovo	164886	(G/C)
17093	CakSNP17093	<i>Kabuli</i>	Ca_Kabuli_denovo	165283	(C/G)
17094	CakSNP17094	<i>Kabuli</i>	Ca_Kabuli_denovo	165296	(C/A)
17095	CakSNP17095	<i>Kabuli</i>	Ca_Kabuli_denovo	165324	(A/G)
17096	CakSNP17096	<i>Kabuli</i>	Ca_Kabuli_denovo	165355	(T/G)
17097	CakSNP17097	<i>Kabuli</i>	Ca_Kabuli_denovo	166177	(A/G)
17098	CakSNP17098	<i>Kabuli</i>	Ca_Kabuli_denovo	166179	(G/A)
17099	CakSNP17099	<i>Kabuli</i>	Ca_Kabuli_denovo	166181	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17100	CakSNP17100	<i>Kabuli</i>	Ca_Kabuli_denovo	166736	(C/G)
17101	CakSNP17101	<i>Kabuli</i>	Ca_Kabuli_denovo	166737	(A/G)
17102	CakSNP17102	<i>Kabuli</i>	Ca_Kabuli_denovo	166738	(G/A)
17103	CakSNP17103	<i>Kabuli</i>	Ca_Kabuli_denovo	166758	(G/C)
17104	CakSNP17104	<i>Kabuli</i>	Ca_Kabuli_denovo	166767	(A/G)
17105	CakSNP17105	<i>Kabuli</i>	Ca_Kabuli_denovo	166786	(A/G)
17106	CakSNP17106	<i>Kabuli</i>	Ca_Kabuli_denovo	166809	(A/G)
17107	CakSNP17107	<i>Kabuli</i>	Ca_Kabuli_denovo	166828	(A/C)
17108	CakSNP17108	<i>Kabuli</i>	Ca_Kabuli_denovo	166836	(A/C)
17109	CakSNP17109	<i>Kabuli</i>	Ca_Kabuli_denovo	166843	(G/T)
17110	CakSNP17110	<i>Kabuli</i>	Ca_Kabuli_denovo	167563	(G/C)
17111	CakSNP17111	<i>Kabuli</i>	Ca_Kabuli_denovo	167564	(C/A)
17112	CakSNP17112	<i>Kabuli</i>	Ca_Kabuli_denovo	167565	(A/G)
17113	CakSNP17113	<i>Kabuli</i>	Ca_Kabuli_denovo	167567	(A/G)
17114	CakSNP17114	<i>Kabuli</i>	Ca_Kabuli_denovo	167569	(T/A)
17115	CakSNP17115	<i>Kabuli</i>	Ca_Kabuli_denovo	169044	(A/G)
17116	CakSNP17116	<i>Kabuli</i>	Ca_Kabuli_denovo	169046	(A/G)
17117	CakSNP17117	<i>Kabuli</i>	Ca_Kabuli_denovo	169047	(G/A)
17118	CakSNP17118	<i>Kabuli</i>	Ca_Kabuli_denovo	171930	(G/A)
17119	CakSNP17119	<i>Kabuli</i>	Ca_Kabuli_denovo	171932	(G/A)
17120	CakSNP17120	<i>Kabuli</i>	Ca_Kabuli_denovo	171933	(A/G)
17121	CakSNP17121	<i>Kabuli</i>	Ca_Kabuli_denovo	171983	(T/A)
17122	CakSNP17122	<i>Kabuli</i>	Ca_Kabuli_denovo	171999	(G/T)
17123	CakSNP17123	<i>Kabuli</i>	Ca_Kabuli_denovo	172017	(A/G)
17124	CakSNP17124	<i>Kabuli</i>	Ca_Kabuli_denovo	172035	(T/A)
17125	CakSNP17125	<i>Kabuli</i>	Ca_Kabuli_denovo	172044	(A/G)
17126	CakSNP17126	<i>Kabuli</i>	Ca_Kabuli_denovo	173451	(A/G)
17127	CakSNP17127	<i>Kabuli</i>	Ca_Kabuli_denovo	173462	(C/G)
17128	CakSNP17128	<i>Kabuli</i>	Ca_Kabuli_denovo	173472	(C/G)
17129	CakSNP17129	<i>Kabuli</i>	Ca_Kabuli_denovo	174632	(C/A)
17130	CakSNP17130	<i>Kabuli</i>	Ca_Kabuli_denovo	174633	(A/G)
17131	CakSNP17131	<i>Kabuli</i>	Ca_Kabuli_denovo	174635	(A/G)
17132	CakSNP17132	<i>Kabuli</i>	Ca_Kabuli_denovo	175138	(C/G)
17133	CakSNP17133	<i>Kabuli</i>	Ca_Kabuli_denovo	175160	(A/G)
17134	CakSNP17134	<i>Kabuli</i>	Ca_Kabuli_denovo	175170	(T/G)
17135	CakSNP17135	<i>Kabuli</i>	Ca_Kabuli_denovo	176799	(T/G)
17136	CakSNP17136	<i>Kabuli</i>	Ca_Kabuli_denovo	176814	(T/A)
17137	CakSNP17137	<i>Kabuli</i>	Ca_Kabuli_denovo	176822	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17138	CakSNP17138	<i>Kabuli</i>	Ca_Kabuli_denovo	176824	(C/G)
17139	CakSNP17139	<i>Kabuli</i>	Ca_Kabuli_denovo	176831	(T/G)
17140	CakSNP17140	<i>Kabuli</i>	Ca_Kabuli_denovo	176835	(T/G)
17141	CakSNP17141	<i>Kabuli</i>	Ca_Kabuli_denovo	176837	(A/G)
17142	CakSNP17142	<i>Kabuli</i>	Ca_Kabuli_denovo	176839	(T/G)
17143	CakSNP17143	<i>Kabuli</i>	Ca_Kabuli_denovo	176874	(T/A)
17144	CakSNP17144	<i>Kabuli</i>	Ca_Kabuli_denovo	178198	(T/G)
17145	CakSNP17145	<i>Kabuli</i>	Ca_Kabuli_denovo	178200	(T/G)
17146	CakSNP17146	<i>Kabuli</i>	Ca_Kabuli_denovo	178205	(T/G)
17147	CakSNP17147	<i>Kabuli</i>	Ca_Kabuli_denovo	178212	(C/T)
17148	CakSNP17148	<i>Kabuli</i>	Ca_Kabuli_denovo	178217	(T/G)
17149	CakSNP17149	<i>Kabuli</i>	Ca_Kabuli_denovo	178238	(C/G)
17150	CakSNP17150	<i>Kabuli</i>	Ca_Kabuli_denovo	178243	(A/G)
17151	CakSNP17151	<i>Kabuli</i>	Ca_Kabuli_denovo	178249	(T/G)
17152	CakSNP17152	<i>Kabuli</i>	Ca_Kabuli_denovo	178251	(T/G)
17153	CakSNP17153	<i>Kabuli</i>	Ca_Kabuli_denovo	178276	(T/C)
17154	CakSNP17154	<i>Kabuli</i>	Ca_Kabuli_denovo	178736	(G/A)
17155	CakSNP17155	<i>Kabuli</i>	Ca_Kabuli_denovo	178737	(C/T)
17156	CakSNP17156	<i>Kabuli</i>	Ca_Kabuli_denovo	179759	(C/T)
17157	CakSNP17157	<i>Kabuli</i>	Ca_Kabuli_denovo	180307	(C/A)
17158	CakSNP17158	<i>Kabuli</i>	Ca_Kabuli_denovo	180309	(T/G)
17159	CakSNP17159	<i>Kabuli</i>	Ca_Kabuli_denovo	180571	(G/A)
17160	CakSNP17160	<i>Kabuli</i>	Ca_Kabuli_denovo	180573	(G/A)
17161	CakSNP17161	<i>Kabuli</i>	Ca_Kabuli_denovo	180686	(A/G)
17162	CakSNP17162	<i>Kabuli</i>	Ca_Kabuli_denovo	180689	(G/C)
17163	CakSNP17163	<i>Kabuli</i>	Ca_Kabuli_denovo	181636	(T/A)
17164	CakSNP17164	<i>Kabuli</i>	Ca_Kabuli_denovo	181639	(C/G)
17165	CakSNP17165	<i>Kabuli</i>	Ca_Kabuli_denovo	181670	(A/G)
17166	CakSNP17166	<i>Kabuli</i>	Ca_Kabuli_denovo	181675	(G/A)
17167	CakSNP17167	<i>Kabuli</i>	Ca_Kabuli_denovo	181679	(G/A)
17168	CakSNP17168	<i>Kabuli</i>	Ca_Kabuli_denovo	181698	(G/A)
17169	CakSNP17169	<i>Kabuli</i>	Ca_Kabuli_denovo	181720	(C/G)
17170	CakSNP17170	<i>Kabuli</i>	Ca_Kabuli_denovo	182277	(A/G)
17171	CakSNP17171	<i>Kabuli</i>	Ca_Kabuli_denovo	182279	(A/T)
17172	CakSNP17172	<i>Kabuli</i>	Ca_Kabuli_denovo	182280	(G/T)
17173	CakSNP17173	<i>Kabuli</i>	Ca_Kabuli_denovo	182281	(C/G)
17174	CakSNP17174	<i>Kabuli</i>	Ca_Kabuli_denovo	182628	(G/T)
17175	CakSNP17175	<i>Kabuli</i>	Ca_Kabuli_denovo	183987	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17176	CakSNP17176	<i>Kabuli</i>	Ca_Kabuli_denovo	183990	(A/G)
17177	CakSNP17177	<i>Kabuli</i>	Ca_Kabuli_denovo	184118	(G/C)
17178	CakSNP17178	<i>Kabuli</i>	Ca_Kabuli_denovo	184181	(T/G)
17179	CakSNP17179	<i>Kabuli</i>	Ca_Kabuli_denovo	184211	(T/G)
17180	CakSNP17180	<i>Kabuli</i>	Ca_Kabuli_denovo	184231	(C/A)
17181	CakSNP17181	<i>Kabuli</i>	Ca_Kabuli_denovo	184333	(C/G)
17182	CakSNP17182	<i>Kabuli</i>	Ca_Kabuli_denovo	184359	(G/T)
17183	CakSNP17183	<i>Kabuli</i>	Ca_Kabuli_denovo	184367	(T/G)
17184	CakSNP17184	<i>Kabuli</i>	Ca_Kabuli_denovo	184370	(C/G)
17185	CakSNP17185	<i>Kabuli</i>	Ca_Kabuli_denovo	184372	(C/G)
17186	CakSNP17186	<i>Kabuli</i>	Ca_Kabuli_denovo	184427	(C/G)
17187	CakSNP17187	<i>Kabuli</i>	Ca_Kabuli_denovo	184440	(C/G)
17188	CakSNP17188	<i>Kabuli</i>	Ca_Kabuli_denovo	184460	(T/G)
17189	CakSNP17189	<i>Kabuli</i>	Ca_Kabuli_denovo	184487	(C/A)
17190	CakSNP17190	<i>Kabuli</i>	Ca_Kabuli_denovo	184509	(C/T)
17191	CakSNP17191	<i>Kabuli</i>	Ca_Kabuli_denovo	184521	(T/A)
17192	CakSNP17192	<i>Kabuli</i>	Ca_Kabuli_denovo	184541	(C/G)
17193	CakSNP17193	<i>Kabuli</i>	Ca_Kabuli_denovo	184553	(T/G)
17194	CakSNP17194	<i>Kabuli</i>	Ca_Kabuli_denovo	184583	(T/G)
17195	CakSNP17195	<i>Kabuli</i>	Ca_Kabuli_denovo	185564	(C/G)
17196	CakSNP17196	<i>Kabuli</i>	Ca_Kabuli_denovo	185568	(T/G)
17197	CakSNP17197	<i>Kabuli</i>	Ca_Kabuli_denovo	185573	(G/A)
17198	CakSNP17198	<i>Kabuli</i>	Ca_Kabuli_denovo	185577	(T/G)
17199	CakSNP17199	<i>Kabuli</i>	Ca_Kabuli_denovo	185579	(A/G)
17200	CakSNP17200	<i>Kabuli</i>	Ca_Kabuli_denovo	185583	(A/G)
17201	CakSNP17201	<i>Kabuli</i>	Ca_Kabuli_denovo	185634	(A/G)
17202	CakSNP17202	<i>Kabuli</i>	Ca_Kabuli_denovo	185645	(C/G)
17203	CakSNP17203	<i>Kabuli</i>	Ca_Kabuli_denovo	185653	(A/G)
17204	CakSNP17204	<i>Kabuli</i>	Ca_Kabuli_denovo	185657	(C/G)
17205	CakSNP17205	<i>Kabuli</i>	Ca_Kabuli_denovo	185669	(T/G)
17206	CakSNP17206	<i>Kabuli</i>	Ca_Kabuli_denovo	185674	(C/G)
17207	CakSNP17207	<i>Kabuli</i>	Ca_Kabuli_denovo	185679	(T/A)
17208	CakSNP17208	<i>Kabuli</i>	Ca_Kabuli_denovo	185682	(T/G)
17209	CakSNP17209	<i>Kabuli</i>	Ca_Kabuli_denovo	187188	(A/G)
17210	CakSNP17210	<i>Kabuli</i>	Ca_Kabuli_denovo	188302	(G/A)
17211	CakSNP17211	<i>Kabuli</i>	Ca_Kabuli_denovo	188305	(C/A)
17212	CakSNP17212	<i>Kabuli</i>	Ca_Kabuli_denovo	188306	(A/G)
17213	CakSNP17213	<i>Kabuli</i>	Ca_Kabuli_denovo	188308	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17214	CakSNP17214	<i>Kabuli</i>	Ca_Kabuli_denovo	188310	(G/T)
17215	CakSNP17215	<i>Kabuli</i>	Ca_Kabuli_denovo	188312	(A/C)
17216	CakSNP17216	<i>Kabuli</i>	Ca_Kabuli_denovo	188313	(C/A)
17217	CakSNP17217	<i>Kabuli</i>	Ca_Kabuli_denovo	190388	(C/G)
17218	CakSNP17218	<i>Kabuli</i>	Ca_Kabuli_denovo	190404	(C/G)
17219	CakSNP17219	<i>Kabuli</i>	Ca_Kabuli_denovo	194914	(A/G)
17220	CakSNP17220	<i>Kabuli</i>	Ca_Kabuli_denovo	194915	(C/G)
17221	CakSNP17221	<i>Kabuli</i>	Ca_Kabuli_denovo	195589	(A/G)
17222	CakSNP17222	<i>Kabuli</i>	Ca_Kabuli_denovo	195605	(C/G)
17223	CakSNP17223	<i>Kabuli</i>	Ca_Kabuli_denovo	195642	(C/G)
17224	CakSNP17224	<i>Kabuli</i>	Ca_Kabuli_denovo	195663	(T/A)
17225	CakSNP17225	<i>Kabuli</i>	Ca_Kabuli_denovo	195669	(T/G)
17226	CakSNP17226	<i>Kabuli</i>	Ca_Kabuli_denovo	196773	(C/G)
17227	CakSNP17227	<i>Kabuli</i>	Ca_Kabuli_denovo	196775	(T/G)
17228	CakSNP17228	<i>Kabuli</i>	Ca_Kabuli_denovo	196777	(C/T)
17229	CakSNP17229	<i>Kabuli</i>	Ca_Kabuli_denovo	197792	(A/G)
17230	CakSNP17230	<i>Kabuli</i>	Ca_Kabuli_denovo	197793	(G/C)
17231	CakSNP17231	<i>Kabuli</i>	Ca_Kabuli_denovo	197795	(A/G)
17232	CakSNP17232	<i>Kabuli</i>	Ca_Kabuli_denovo	197796	(G/A)
17233	CakSNP17233	<i>Kabuli</i>	Ca_Kabuli_denovo	197799	(C/A)
17234	CakSNP17234	<i>Kabuli</i>	Ca_Kabuli_denovo	197800	(C/T)
17235	CakSNP17235	<i>Kabuli</i>	Ca_Kabuli_denovo	197802	(A/C)
17236	CakSNP17236	<i>Kabuli</i>	Ca_Kabuli_denovo	197991	(C/G)
17237	CakSNP17237	<i>Kabuli</i>	Ca_Kabuli_denovo	197992	(G/A)
17238	CakSNP17238	<i>Kabuli</i>	Ca_Kabuli_denovo	197993	(A/T)
17239	CakSNP17239	<i>Kabuli</i>	Ca_Kabuli_denovo	197994	(C/T)
17240	CakSNP17240	<i>Kabuli</i>	Ca_Kabuli_denovo	197995	(T/C)
17241	CakSNP17241	<i>Kabuli</i>	Ca_Kabuli_denovo	197996	(C/T)
17242	CakSNP17242	<i>Kabuli</i>	Ca_Kabuli_denovo	198162	(T/G)
17243	CakSNP17243	<i>Kabuli</i>	Ca_Kabuli_denovo	198166	(C/G)
17244	CakSNP17244	<i>Kabuli</i>	Ca_Kabuli_denovo	198168	(A/G)
17245	CakSNP17245	<i>Kabuli</i>	Ca_Kabuli_denovo	198170	(G/A)
17246	CakSNP17246	<i>Kabuli</i>	Ca_Kabuli_denovo	198171	(C/A)
17247	CakSNP17247	<i>Kabuli</i>	Ca_Kabuli_denovo	198358	(T/G)
17248	CakSNP17248	<i>Kabuli</i>	Ca_Kabuli_denovo	198365	(A/G)
17249	CakSNP17249	<i>Kabuli</i>	Ca_Kabuli_denovo	198366	(C/A)
17250	CakSNP17250	<i>Kabuli</i>	Ca_Kabuli_denovo	198367	(C/T)
17251	CakSNP17251	<i>Kabuli</i>	Ca_Kabuli_denovo	198370	(C/T)

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17252	CakSNP17252	<i>Kabuli</i>	Ca_Kabuli_denovo	198431	(G/A)
17253	CakSNP17253	<i>Kabuli</i>	Ca_Kabuli_denovo	198433	(A/G)
17254	CakSNP17254	<i>Kabuli</i>	Ca_Kabuli_denovo	198434	(G/A)
17255	CakSNP17255	<i>Kabuli</i>	Ca_Kabuli_denovo	198435	(A/G)
17256	CakSNP17256	<i>Kabuli</i>	Ca_Kabuli_denovo	198436	(G/C)
17257	CakSNP17257	<i>Kabuli</i>	Ca_Kabuli_denovo	198437	(C/G)
17258	CakSNP17258	<i>Kabuli</i>	Ca_Kabuli_denovo	198439	(G/T)
17259	CakSNP17259	<i>Kabuli</i>	Ca_Kabuli_denovo	198441	(T/C)
17260	CakSNP17260	<i>Kabuli</i>	Ca_Kabuli_denovo	198442	(C/A)
17261	CakSNP17261	<i>Kabuli</i>	Ca_Kabuli_denovo	198443	(A/G)
17262	CakSNP17262	<i>Kabuli</i>	Ca_Kabuli_denovo	198444	(G/C)
17263	CakSNP17263	<i>Kabuli</i>	Ca_Kabuli_denovo	198445	(C/A)
17264	CakSNP17264	<i>Kabuli</i>	Ca_Kabuli_denovo	198446	(A/G)
17265	CakSNP17265	<i>Kabuli</i>	Ca_Kabuli_denovo	198448	(G/A)
17266	CakSNP17266	<i>Kabuli</i>	Ca_Kabuli_denovo	198450	(A/T)
17267	CakSNP17267	<i>Kabuli</i>	Ca_Kabuli_denovo	198451	(T/G)
17268	CakSNP17268	<i>Kabuli</i>	Ca_Kabuli_denovo	198452	(G/C)
17269	CakSNP17269	<i>Kabuli</i>	Ca_Kabuli_denovo	198454	(C/G)
17270	CakSNP17270	<i>Kabuli</i>	Ca_Kabuli_denovo	198455	(G/A)
17271	CakSNP17271	<i>Kabuli</i>	Ca_Kabuli_denovo	198456	(A/G)
17272	CakSNP17272	<i>Kabuli</i>	Ca_Kabuli_denovo	198457	(G/A)
17273	CakSNP17273	<i>Kabuli</i>	Ca_Kabuli_denovo	198458	(A/C)
17274	CakSNP17274	<i>Kabuli</i>	Ca_Kabuli_denovo	198842	(T/G)
17275	CakSNP17275	<i>Kabuli</i>	Ca_Kabuli_denovo	199140	(C/A)
17276	CakSNP17276	<i>Kabuli</i>	Ca_Kabuli_denovo	199240	(T/C)
17277	CakSNP17277	<i>Kabuli</i>	Ca_Kabuli_denovo	199747	(C/G)
17278	CakSNP17278	<i>Kabuli</i>	Ca_Kabuli_denovo	200458	(A/G)
17279	CakSNP17279	<i>Kabuli</i>	Ca_Kabuli_denovo	200459	(T/G)
17280	CakSNP17280	<i>Kabuli</i>	Ca_Kabuli_denovo	200728	(T/C)
17281	CakSNP17281	<i>Kabuli</i>	Ca_Kabuli_denovo	200743	(C/G)
17282	CakSNP17282	<i>Kabuli</i>	Ca_Kabuli_denovo	200890	(T/A)
17283	CakSNP17283	<i>Kabuli</i>	Ca_Kabuli_denovo	200910	(G/A)
17284	CakSNP17284	<i>Kabuli</i>	Ca_Kabuli_denovo	201180	(G/T)
17285	CakSNP17285	<i>Kabuli</i>	Ca_Kabuli_denovo	201201	(A/G)
17286	CakSNP17286	<i>Kabuli</i>	Ca_Kabuli_denovo	201287	(A/C)
17287	CakSNP17287	<i>Kabuli</i>	Ca_Kabuli_denovo	201365	(A/T)
17288	CakSNP17288	<i>Kabuli</i>	Ca_Kabuli_denovo	201444	(T/G)
17289	CakSNP17289	<i>Kabuli</i>	Ca_Kabuli_denovo	201979	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17290	CakSNP17290	<i>Kabuli</i>	Ca_Kabuli_denovo	201981	(G/A)
17291	CakSNP17291	<i>Kabuli</i>	Ca_Kabuli_denovo	201982	(A/G)
17292	CakSNP17292	<i>Kabuli</i>	Ca_Kabuli_denovo	202419	(T/G)
17293	CakSNP17293	<i>Kabuli</i>	Ca_Kabuli_denovo	202456	(T/G)
17294	CakSNP17294	<i>Kabuli</i>	Ca_Kabuli_denovo	202459	(C/T)
17295	CakSNP17295	<i>Kabuli</i>	Ca_Kabuli_denovo	202460	(G/C)
17296	CakSNP17296	<i>Kabuli</i>	Ca_Kabuli_denovo	202461	(T/G)
17297	CakSNP17297	<i>Kabuli</i>	Ca_Kabuli_denovo	202523	(G/A)
17298	CakSNP17298	<i>Kabuli</i>	Ca_Kabuli_denovo	202525	(A/G)
17299	CakSNP17299	<i>Kabuli</i>	Ca_Kabuli_denovo	202526	(G/A)
17300	CakSNP17300	<i>Kabuli</i>	Ca_Kabuli_denovo	202527	(A/G)
17301	CakSNP17301	<i>Kabuli</i>	Ca_Kabuli_denovo	202529	(C/G)
17302	CakSNP17302	<i>Kabuli</i>	Ca_Kabuli_denovo	202531	(G/T)
17303	CakSNP17303	<i>Kabuli</i>	Ca_Kabuli_denovo	202533	(T/C)
17304	CakSNP17304	<i>Kabuli</i>	Ca_Kabuli_denovo	202534	(C/A)
17305	CakSNP17305	<i>Kabuli</i>	Ca_Kabuli_denovo	202535	(A/G)
17306	CakSNP17306	<i>Kabuli</i>	Ca_Kabuli_denovo	202536	(G/C)
17307	CakSNP17307	<i>Kabuli</i>	Ca_Kabuli_denovo	202537	(C/A)
17308	CakSNP17308	<i>Kabuli</i>	Ca_Kabuli_denovo	202538	(A/G)
17309	CakSNP17309	<i>Kabuli</i>	Ca_Kabuli_denovo	202540	(G/A)
17310	CakSNP17310	<i>Kabuli</i>	Ca_Kabuli_denovo	202542	(A/T)
17311	CakSNP17311	<i>Kabuli</i>	Ca_Kabuli_denovo	202544	(G/C)
17312	CakSNP17312	<i>Kabuli</i>	Ca_Kabuli_denovo	202546	(C/G)
17313	CakSNP17313	<i>Kabuli</i>	Ca_Kabuli_denovo	202547	(G/A)
17314	CakSNP17314	<i>Kabuli</i>	Ca_Kabuli_denovo	202548	(A/G)
17315	CakSNP17315	<i>Kabuli</i>	Ca_Kabuli_denovo	202549	(G/A)
17316	CakSNP17316	<i>Kabuli</i>	Ca_Kabuli_denovo	202550	(A/T)
17317	CakSNP17317	<i>Kabuli</i>	Ca_Kabuli_denovo	202551	(C/A)
17318	CakSNP17318	<i>Kabuli</i>	Ca_Kabuli_denovo	202553	(C/G)
17319	CakSNP17319	<i>Kabuli</i>	Ca_Kabuli_denovo	204292	(A/G)
17320	CakSNP17320	<i>Kabuli</i>	Ca_Kabuli_denovo	204293	(G/C)
17321	CakSNP17321	<i>Kabuli</i>	Ca_Kabuli_denovo	207676	(T/A)
17322	CakSNP17322	<i>Kabuli</i>	Ca_Kabuli_denovo	207681	(T/G)
17323	CakSNP17323	<i>Kabuli</i>	Ca_Kabuli_denovo	207690	(C/G)
17324	CakSNP17324	<i>Kabuli</i>	Ca_Kabuli_denovo	207698	(A/G)
17325	CakSNP17325	<i>Kabuli</i>	Ca_Kabuli_denovo	207703	(T/A)
17326	CakSNP17326	<i>Kabuli</i>	Ca_Kabuli_denovo	207712	(C/G)
17327	CakSNP17327	<i>Kabuli</i>	Ca_Kabuli_denovo	207716	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17328	CakSNP17328	<i>Kabuli</i>	Ca_Kabuli_denovo	207737	(T/G)
17329	CakSNP17329	<i>Kabuli</i>	Ca_Kabuli_denovo	208035	(G/A)
17330	CakSNP17330	<i>Kabuli</i>	Ca_Kabuli_denovo	208036	(A/T)
17331	CakSNP17331	<i>Kabuli</i>	Ca_Kabuli_denovo	208037	(C/T)
17332	CakSNP17332	<i>Kabuli</i>	Ca_Kabuli_denovo	208042	(A/T)
17333	CakSNP17333	<i>Kabuli</i>	Ca_Kabuli_denovo	209330	(A/G)
17334	CakSNP17334	<i>Kabuli</i>	Ca_Kabuli_denovo	209332	(C/T)
17335	CakSNP17335	<i>Kabuli</i>	Ca_Kabuli_denovo	209333	(C/G)
17336	CakSNP17336	<i>Kabuli</i>	Ca_Kabuli_denovo	209334	(G/C)
17337	CakSNP17337	<i>Kabuli</i>	Ca_Kabuli_denovo	210208	(A/T)
17338	CakSNP17338	<i>Kabuli</i>	Ca_Kabuli_denovo	210216	(T/C)
17339	CakSNP17339	<i>Kabuli</i>	Ca_Kabuli_denovo	210225	(G/A)
17340	CakSNP17340	<i>Kabuli</i>	Ca_Kabuli_denovo	210237	(A/T)
17341	CakSNP17341	<i>Kabuli</i>	Ca_Kabuli_denovo	215170	(G/A)
17342	CakSNP17342	<i>Kabuli</i>	Ca_Kabuli_denovo	215678	(T/G)
17343	CakSNP17343	<i>Kabuli</i>	Ca_Kabuli_denovo	215689	(C/A)
17344	CakSNP17344	<i>Kabuli</i>	Ca_Kabuli_denovo	215699	(A/G)
17345	CakSNP17345	<i>Kabuli</i>	Ca_Kabuli_denovo	215705	(T/G)
17346	CakSNP17346	<i>Kabuli</i>	Ca_Kabuli_denovo	215723	(A/G)
17347	CakSNP17347	<i>Kabuli</i>	Ca_Kabuli_denovo	215731	(C/G)
17348	CakSNP17348	<i>Kabuli</i>	Ca_Kabuli_denovo	215752	(G/A)
17349	CakSNP17349	<i>Kabuli</i>	Ca_Kabuli_denovo	215757	(G/T)
17350	CakSNP17350	<i>Kabuli</i>	Ca_Kabuli_denovo	217228	(C/A)
17351	CakSNP17351	<i>Kabuli</i>	Ca_Kabuli_denovo	217229	(A/T)
17352	CakSNP17352	<i>Kabuli</i>	Ca_Kabuli_denovo	217232	(C/A)
17353	CakSNP17353	<i>Kabuli</i>	Ca_Kabuli_denovo	220674	(C/G)
17354	CakSNP17354	<i>Kabuli</i>	Ca_Kabuli_denovo	220676	(T/G)
17355	CakSNP17355	<i>Kabuli</i>	Ca_Kabuli_denovo	220678	(C/T)
17356	CakSNP17356	<i>Kabuli</i>	Ca_Kabuli_denovo	220679	(A/C)
17357	CakSNP17357	<i>Kabuli</i>	Ca_Kabuli_denovo	222258	(C/G)
17358	CakSNP17358	<i>Kabuli</i>	Ca_Kabuli_denovo	222260	(T/G)
17359	CakSNP17359	<i>Kabuli</i>	Ca_Kabuli_denovo	222262	(C/T)
17360	CakSNP17360	<i>Kabuli</i>	Ca_Kabuli_denovo	223208	(C/A)
17361	CakSNP17361	<i>Kabuli</i>	Ca_Kabuli_denovo	223209	(T/A)
17362	CakSNP17362	<i>Kabuli</i>	Ca_Kabuli_denovo	223211	(C/G)
17363	CakSNP17363	<i>Kabuli</i>	Ca_Kabuli_denovo	223224	(G/A)
17364	CakSNP17364	<i>Kabuli</i>	Ca_Kabuli_denovo	223241	(T/G)
17365	CakSNP17365	<i>Kabuli</i>	Ca_Kabuli_denovo	223243	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17366	CakSNP17366	<i>Kabuli</i>	Ca_Kabuli_denovo	223248	(A/C)
17367	CakSNP17367	<i>Kabuli</i>	Ca_Kabuli_denovo	223251	(T/G)
17368	CakSNP17368	<i>Kabuli</i>	Ca_Kabuli_denovo	223258	(A/G)
17369	CakSNP17369	<i>Kabuli</i>	Ca_Kabuli_denovo	223261	(G/A)
17370	CakSNP17370	<i>Kabuli</i>	Ca_Kabuli_denovo	224544	(T/C)
17371	CakSNP17371	<i>Kabuli</i>	Ca_Kabuli_denovo	224555	(G/A)
17372	CakSNP17372	<i>Kabuli</i>	Ca_Kabuli_denovo	224557	(T/C)
17373	CakSNP17373	<i>Kabuli</i>	Ca_Kabuli_denovo	224865	(C/A)
17374	CakSNP17374	<i>Kabuli</i>	Ca_Kabuli_denovo	224867	(C/G)
17375	CakSNP17375	<i>Kabuli</i>	Ca_Kabuli_denovo	224868	(G/A)
17376	CakSNP17376	<i>Kabuli</i>	Ca_Kabuli_denovo	225042	(A/G)
17377	CakSNP17377	<i>Kabuli</i>	Ca_Kabuli_denovo	225043	(A/G)
17378	CakSNP17378	<i>Kabuli</i>	Ca_Kabuli_denovo	225408	(A/C)
17379	CakSNP17379	<i>Kabuli</i>	Ca_Kabuli_denovo	225409	(C/A)
17380	CakSNP17380	<i>Kabuli</i>	Ca_Kabuli_denovo	225414	(T/A)
17381	CakSNP17381	<i>Kabuli</i>	Ca_Kabuli_denovo	225417	(G/T)
17382	CakSNP17382	<i>Kabuli</i>	Ca_Kabuli_denovo	225422	(G/C)
17383	CakSNP17383	<i>Kabuli</i>	Ca_Kabuli_denovo	225425	(T/G)
17384	CakSNP17384	<i>Kabuli</i>	Ca_Kabuli_denovo	230711	(G/T)
17385	CakSNP17385	<i>Kabuli</i>	Ca_Kabuli_denovo	230712	(C/T)
17386	CakSNP17386	<i>Kabuli</i>	Ca_Kabuli_denovo	232397	(G/C)
17387	CakSNP17387	<i>Kabuli</i>	Ca_Kabuli_denovo	232398	(C/G)
17388	CakSNP17388	<i>Kabuli</i>	Ca_Kabuli_denovo	232399	(C/A)
17389	CakSNP17389	<i>Kabuli</i>	Ca_Kabuli_denovo	232400	(T/G)
17390	CakSNP17390	<i>Kabuli</i>	Ca_Kabuli_denovo	232401	(C/A)
17391	CakSNP17391	<i>Kabuli</i>	Ca_Kabuli_denovo	235464	(C/A)
17392	CakSNP17392	<i>Kabuli</i>	Ca_Kabuli_denovo	238447	(A/G)
17393	CakSNP17393	<i>Kabuli</i>	Ca_Kabuli_denovo	238449	(A/G)
17394	CakSNP17394	<i>Kabuli</i>	Ca_Kabuli_denovo	238451	(T/A)
17395	CakSNP17395	<i>Kabuli</i>	Ca_Kabuli_denovo	238452	(G/T)
17396	CakSNP17396	<i>Kabuli</i>	Ca_Kabuli_denovo	239728	(G/T)
17397	CakSNP17397	<i>Kabuli</i>	Ca_Kabuli_denovo	240943	(C/T)
17398	CakSNP17398	<i>Kabuli</i>	Ca_Kabuli_denovo	248697	(A/C)
17399	CakSNP17399	<i>Kabuli</i>	Ca_Kabuli_denovo	248719	(T/C)
17400	CakSNP17400	<i>Kabuli</i>	Ca_Kabuli_denovo	248775	(T/G)
17401	CakSNP17401	<i>Kabuli</i>	Ca_Kabuli_denovo	256228	(A/G)
17402	CakSNP17402	<i>Kabuli</i>	Ca_Kabuli_denovo	256262	(T/G)
17403	CakSNP17403	<i>Kabuli</i>	Ca_Kabuli_denovo	256272	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17404	CakSNP17404	<i>Kabuli</i>	Ca_Kabuli_denovo	264802	(G/C)
17405	CakSNP17405	<i>Kabuli</i>	Ca_Kabuli_denovo	264812	(T/G)
17406	CakSNP17406	<i>Kabuli</i>	Ca_Kabuli_denovo	264815	(C/G)
17407	CakSNP17407	<i>Kabuli</i>	Ca_Kabuli_denovo	264817	(G/C)
17408	CakSNP17408	<i>Kabuli</i>	Ca_Kabuli_denovo	264819	(A/G)
17409	CakSNP17409	<i>Kabuli</i>	Ca_Kabuli_denovo	265972	(A/G)
17410	CakSNP17410	<i>Kabuli</i>	Ca_Kabuli_denovo	268126	(G/T)
17411	CakSNP17411	<i>Kabuli</i>	Ca_Kabuli_denovo	268171	(T/C)
17412	CakSNP17412	<i>Kabuli</i>	Ca_Kabuli_denovo	273531	(A/G)
17413	CakSNP17413	<i>Kabuli</i>	Ca_Kabuli_denovo	273541	(C/G)
17414	CakSNP17414	<i>Kabuli</i>	Ca_Kabuli_denovo	273543	(G/C)
17415	CakSNP17415	<i>Kabuli</i>	Ca_Kabuli_denovo	275658	(T/G)
17416	CakSNP17416	<i>Kabuli</i>	Ca_Kabuli_denovo	275671	(A/G)
17417	CakSNP17417	<i>Kabuli</i>	Ca_Kabuli_denovo	275698	(T/G)
17418	CakSNP17418	<i>Kabuli</i>	Ca_Kabuli_denovo	281765	(C/G)
17419	CakSNP17419	<i>Kabuli</i>	Ca_Kabuli_denovo	281766	(G/C)
17420	CakSNP17420	<i>Kabuli</i>	Ca_Kabuli_denovo	281767	(G/A)
17421	CakSNP17421	<i>Kabuli</i>	Ca_Kabuli_denovo	281768	(T/G)
17422	CakSNP17422	<i>Kabuli</i>	Ca_Kabuli_denovo	281769	(T/G)
17423	CakSNP17423	<i>Kabuli</i>	Ca_Kabuli_denovo	281770	(A/C)
17424	CakSNP17424	<i>Kabuli</i>	Ca_Kabuli_denovo	290341	(T/A)
17425	CakSNP17425	<i>Kabuli</i>	Ca_Kabuli_denovo	290342	(T/G)
17426	CakSNP17426	<i>Kabuli</i>	Ca_Kabuli_denovo	290344	(C/T)
17427	CakSNP17427	<i>Kabuli</i>	Ca_Kabuli_denovo	290345	(G/T)
17428	CakSNP17428	<i>Kabuli</i>	Ca_Kabuli_denovo	299355	(A/T)
17429	CakSNP17429	<i>Kabuli</i>	Ca_Kabuli_denovo	299356	(C/T)
17430	CakSNP17430	<i>Kabuli</i>	Ca_Kabuli_denovo	300954	(A/G)
17431	CakSNP17431	<i>Kabuli</i>	Ca_Kabuli_denovo	300963	(A/G)
17432	CakSNP17432	<i>Kabuli</i>	Ca_Kabuli_denovo	300979	(A/G)
17433	CakSNP17433	<i>Kabuli</i>	Ca_Kabuli_denovo	300980	(T/G)
17434	CakSNP17434	<i>Kabuli</i>	Ca_Kabuli_denovo	300982	(T/G)
17435	CakSNP17435	<i>Kabuli</i>	Ca_Kabuli_denovo	300994	(A/G)
17436	CakSNP17436	<i>Kabuli</i>	Ca_Kabuli_denovo	301008	(A/G)
17437	CakSNP17437	<i>Kabuli</i>	Ca_Kabuli_denovo	301011	(C/G)
17438	CakSNP17438	<i>Kabuli</i>	Ca_Kabuli_denovo	301012	(C/G)
17439	CakSNP17439	<i>Kabuli</i>	Ca_Kabuli_denovo	301021	(A/G)
17440	CakSNP17440	<i>Kabuli</i>	Ca_Kabuli_denovo	301027	(A/G)
17441	CakSNP17441	<i>Kabuli</i>	Ca_Kabuli_denovo	301037	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17442	CakSNP17442	<i>Kabuli</i>	Ca_Kabuli_denovo	305833	(T/G)
17443	CakSNP17443	<i>Kabuli</i>	Ca_Kabuli_denovo	309250	(C/G)
17444	CakSNP17444	<i>Kabuli</i>	Ca_Kabuli_denovo	309283	(A/G)
17445	CakSNP17445	<i>Kabuli</i>	Ca_Kabuli_denovo	309293	(C/G)
17446	CakSNP17446	<i>Kabuli</i>	Ca_Kabuli_denovo	312821	(A/G)
17447	CakSNP17447	<i>Kabuli</i>	Ca_Kabuli_denovo	313026	(T/G)
17448	CakSNP17448	<i>Kabuli</i>	Ca_Kabuli_denovo	313030	(G/C)
17449	CakSNP17449	<i>Kabuli</i>	Ca_Kabuli_denovo	313032	(A/G)
17450	CakSNP17450	<i>Kabuli</i>	Ca_Kabuli_denovo	313033	(T/G)
17451	CakSNP17451	<i>Kabuli</i>	Ca_Kabuli_denovo	313034	(G/A)
17452	CakSNP17452	<i>Kabuli</i>	Ca_Kabuli_denovo	315534	(G/C)
17453	CakSNP17453	<i>Kabuli</i>	Ca_Kabuli_denovo	315535	(C/G)
17454	CakSNP17454	<i>Kabuli</i>	Ca_Kabuli_denovo	316184	(G/C)
17455	CakSNP17455	<i>Kabuli</i>	Ca_Kabuli_denovo	319444	(A/G)
17456	CakSNP17456	<i>Kabuli</i>	Ca_Kabuli_denovo	324057	(T/G)
17457	CakSNP17457	<i>Kabuli</i>	Ca_Kabuli_denovo	325498	(A/G)
17458	CakSNP17458	<i>Kabuli</i>	Ca_Kabuli_denovo	325500	(G/A)
17459	CakSNP17459	<i>Kabuli</i>	Ca_Kabuli_denovo	327160	(G/A)
17460	CakSNP17460	<i>Kabuli</i>	Ca_Kabuli_denovo	327161	(A/T)
17461	CakSNP17461	<i>Kabuli</i>	Ca_Kabuli_denovo	327162	(G/A)
17462	CakSNP17462	<i>Kabuli</i>	Ca_Kabuli_denovo	328553	(A/G)
17463	CakSNP17463	<i>Kabuli</i>	Ca_Kabuli_denovo	328554	(A/G)
17464	CakSNP17464	<i>Kabuli</i>	Ca_Kabuli_denovo	328555	(G/T)
17465	CakSNP17465	<i>Kabuli</i>	Ca_Kabuli_denovo	328556	(A/C)
17466	CakSNP17466	<i>Kabuli</i>	Ca_Kabuli_denovo	328867	(G/A)
17467	CakSNP17467	<i>Kabuli</i>	Ca_Kabuli_denovo	328887	(A/G)
17468	CakSNP17468	<i>Kabuli</i>	Ca_Kabuli_denovo	328899	(A/C)
17469	CakSNP17469	<i>Kabuli</i>	Ca_Kabuli_denovo	328908	(C/A)
17470	CakSNP17470	<i>Kabuli</i>	Ca_Kabuli_denovo	329973	(C/A)
17471	CakSNP17471	<i>Kabuli</i>	Ca_Kabuli_denovo	329977	(A/G)
17472	CakSNP17472	<i>Kabuli</i>	Ca_Kabuli_denovo	329986	(A/G)
17473	CakSNP17473	<i>Kabuli</i>	Ca_Kabuli_denovo	329993	(T/G)
17474	CakSNP17474	<i>Kabuli</i>	Ca_Kabuli_denovo	329999	(G/A)
17475	CakSNP17475	<i>Kabuli</i>	Ca_Kabuli_denovo	330000	(A/G)
17476	CakSNP17476	<i>Kabuli</i>	Ca_Kabuli_denovo	332747	(G/T)
17477	CakSNP17477	<i>Kabuli</i>	Ca_Kabuli_denovo	332748	(A/C)
17478	CakSNP17478	<i>Kabuli</i>	Ca_Kabuli_denovo	332751	(G/C)
17479	CakSNP17479	<i>Kabuli</i>	Ca_Kabuli_denovo	332755	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17480	CakSNP17480	<i>Kabuli</i>	Ca_Kabuli_denovo	337250	(T/C)
17481	CakSNP17481	<i>Kabuli</i>	Ca_Kabuli_denovo	337257	(T/G)
17482	CakSNP17482	<i>Kabuli</i>	Ca_Kabuli_denovo	337269	(T/G)
17483	CakSNP17483	<i>Kabuli</i>	Ca_Kabuli_denovo	337289	(T/G)
17484	CakSNP17484	<i>Kabuli</i>	Ca_Kabuli_denovo	337405	(T/C)
17485	CakSNP17485	<i>Kabuli</i>	Ca_Kabuli_denovo	341733	(T/G)
17486	CakSNP17486	<i>Kabuli</i>	Ca_Kabuli_denovo	341774	(A/G)
17487	CakSNP17487	<i>Kabuli</i>	Ca_Kabuli_denovo	348683	(C/A)
17488	CakSNP17488	<i>Kabuli</i>	Ca_Kabuli_denovo	348717	(C/G)
17489	CakSNP17489	<i>Kabuli</i>	Ca_Kabuli_denovo	352430	(T/G)
17490	CakSNP17490	<i>Kabuli</i>	Ca_Kabuli_denovo	352452	(T/G)
17491	CakSNP17491	<i>Kabuli</i>	Ca_Kabuli_denovo	352471	(C/A)
17492	CakSNP17492	<i>Kabuli</i>	Ca_Kabuli_denovo	356259	(G/A)
17493	CakSNP17493	<i>Kabuli</i>	Ca_Kabuli_denovo	356260	(G/A)
17494	CakSNP17494	<i>Kabuli</i>	Ca_Kabuli_denovo	356262	(T/G)
17495	CakSNP17495	<i>Kabuli</i>	Ca_Kabuli_denovo	356264	(A/C)
17496	CakSNP17496	<i>Kabuli</i>	Ca_Kabuli_denovo	356266	(A/C)
17497	CakSNP17497	<i>Kabuli</i>	Ca_Kabuli_denovo	356835	(G/A)
17498	CakSNP17498	<i>Kabuli</i>	Ca_Kabuli_denovo	356836	(T/A)
17499	CakSNP17499	<i>Kabuli</i>	Ca_Kabuli_denovo	357513	(C/A)
17500	CakSNP17500	<i>Kabuli</i>	Ca_Kabuli_denovo	357533	(T/G)
17501	CakSNP17501	<i>Kabuli</i>	Ca_Kabuli_denovo	357578	(G/C)
17502	CakSNP17502	<i>Kabuli</i>	Ca_Kabuli_denovo	357580	(G/A)
17503	CakSNP17503	<i>Kabuli</i>	Ca_Kabuli_denovo	357581	(A/T)
17504	CakSNP17504	<i>Kabuli</i>	Ca_Kabuli_denovo	357582	(C/A)
17505	CakSNP17505	<i>Kabuli</i>	Ca_Kabuli_denovo	357583	(T/C)
17506	CakSNP17506	<i>Kabuli</i>	Ca_Kabuli_denovo	357584	(C/G)
17507	CakSNP17507	<i>Kabuli</i>	Ca_Kabuli_denovo	357585	(G/T)
17508	CakSNP17508	<i>Kabuli</i>	Ca_Kabuli_denovo	357586	(T/C)
17509	CakSNP17509	<i>Kabuli</i>	Ca_Kabuli_denovo	358284	(T/G)
17510	CakSNP17510	<i>Kabuli</i>	Ca_Kabuli_denovo	358878	(C/G)
17511	CakSNP17511	<i>Kabuli</i>	Ca_Kabuli_denovo	358879	(A/C)
17512	CakSNP17512	<i>Kabuli</i>	Ca_Kabuli_denovo	358882	(C/G)
17513	CakSNP17513	<i>Kabuli</i>	Ca_Kabuli_denovo	359691	(C/G)
17514	CakSNP17514	<i>Kabuli</i>	Ca_Kabuli_denovo	359693	(G/A)
17515	CakSNP17515	<i>Kabuli</i>	Ca_Kabuli_denovo	359695	(A/G)
17516	CakSNP17516	<i>Kabuli</i>	Ca_Kabuli_denovo	359696	(G/A)
17517	CakSNP17517	<i>Kabuli</i>	Ca_Kabuli_denovo	359697	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17518	CakSNP17518	<i>Kabuli</i>	Ca_Kabuli_denovo	359698	(G/C)
17519	CakSNP17519	<i>Kabuli</i>	Ca_Kabuli_denovo	359699	(C/G)
17520	CakSNP17520	<i>Kabuli</i>	Ca_Kabuli_denovo	359701	(G/T)
17521	CakSNP17521	<i>Kabuli</i>	Ca_Kabuli_denovo	359703	(T/C)
17522	CakSNP17522	<i>Kabuli</i>	Ca_Kabuli_denovo	359704	(C/A)
17523	CakSNP17523	<i>Kabuli</i>	Ca_Kabuli_denovo	359705	(A/G)
17524	CakSNP17524	<i>Kabuli</i>	Ca_Kabuli_denovo	359706	(G/C)
17525	CakSNP17525	<i>Kabuli</i>	Ca_Kabuli_denovo	359707	(C/A)
17526	CakSNP17526	<i>Kabuli</i>	Ca_Kabuli_denovo	359708	(A/G)
17527	CakSNP17527	<i>Kabuli</i>	Ca_Kabuli_denovo	359710	(G/A)
17528	CakSNP17528	<i>Kabuli</i>	Ca_Kabuli_denovo	359712	(A/T)
17529	CakSNP17529	<i>Kabuli</i>	Ca_Kabuli_denovo	359713	(T/G)
17530	CakSNP17530	<i>Kabuli</i>	Ca_Kabuli_denovo	359714	(G/C)
17531	CakSNP17531	<i>Kabuli</i>	Ca_Kabuli_denovo	359716	(C/G)
17532	CakSNP17532	<i>Kabuli</i>	Ca_Kabuli_denovo	359717	(G/A)
17533	CakSNP17533	<i>Kabuli</i>	Ca_Kabuli_denovo	359718	(A/G)
17534	CakSNP17534	<i>Kabuli</i>	Ca_Kabuli_denovo	359719	(G/A)
17535	CakSNP17535	<i>Kabuli</i>	Ca_Kabuli_denovo	359720	(A/C)
17536	CakSNP17536	<i>Kabuli</i>	Ca_Kabuli_denovo	359722	(C/G)
17537	CakSNP17537	<i>Kabuli</i>	Ca_Kabuli_denovo	359724	(G/T)
17538	CakSNP17538	<i>Kabuli</i>	Ca_Kabuli_denovo	359725	(A/C)
17539	CakSNP17539	<i>Kabuli</i>	Ca_Kabuli_denovo	364778	(T/G)
17540	CakSNP17540	<i>Kabuli</i>	Ca_Kabuli_denovo	364839	(A/C)
17541	CakSNP17541	<i>Kabuli</i>	Ca_Kabuli_denovo	366496	(A/G)
17542	CakSNP17542	<i>Kabuli</i>	Ca_Kabuli_denovo	366498	(C/A)
17543	CakSNP17543	<i>Kabuli</i>	Ca_Kabuli_denovo	369650	(A/G)
17544	CakSNP17544	<i>Kabuli</i>	Ca_Kabuli_denovo	375270	(G/A)
17545	CakSNP17545	<i>Kabuli</i>	Ca_Kabuli_denovo	375282	(T/G)
17546	CakSNP17546	<i>Kabuli</i>	Ca_Kabuli_denovo	381255	(T/G)
17547	CakSNP17547	<i>Kabuli</i>	Ca_Kabuli_denovo	381258	(T/G)
17548	CakSNP17548	<i>Kabuli</i>	Ca_Kabuli_denovo	381275	(T/G)
17549	CakSNP17549	<i>Kabuli</i>	Ca_Kabuli_denovo	382497	(G/A)
17550	CakSNP17550	<i>Kabuli</i>	Ca_Kabuli_denovo	386867	(G/C)
17551	CakSNP17551	<i>Kabuli</i>	Ca_Kabuli_denovo	386970	(G/C)
17552	CakSNP17552	<i>Kabuli</i>	Ca_Kabuli_denovo	389031	(T/G)
17553	CakSNP17553	<i>Kabuli</i>	Ca_Kabuli_denovo	389037	(A/G)
17554	CakSNP17554	<i>Kabuli</i>	Ca_Kabuli_denovo	389049	(C/G)
17555	CakSNP17555	<i>Kabuli</i>	Ca_Kabuli_denovo	389058	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17556	CakSNP17556	<i>Kabuli</i>	Ca_Kabuli_denovo	389063	(T/G)
17557	CakSNP17557	<i>Kabuli</i>	Ca_Kabuli_denovo	389071	(C/G)
17558	CakSNP17558	<i>Kabuli</i>	Ca_Kabuli_denovo	389076	(A/G)
17559	CakSNP17559	<i>Kabuli</i>	Ca_Kabuli_denovo	389084	(C/G)
17560	CakSNP17560	<i>Kabuli</i>	Ca_Kabuli_denovo	392493	(T/G)
17561	CakSNP17561	<i>Kabuli</i>	Ca_Kabuli_denovo	396462	(A/T)
17562	CakSNP17562	<i>Kabuli</i>	Ca_Kabuli_denovo	396485	(T/G)
17563	CakSNP17563	<i>Kabuli</i>	Ca_Kabuli_denovo	396487	(T/G)
17564	CakSNP17564	<i>Kabuli</i>	Ca_Kabuli_denovo	396520	(T/G)
17565	CakSNP17565	<i>Kabuli</i>	Ca_Kabuli_denovo	396522	(T/G)
17566	CakSNP17566	<i>Kabuli</i>	Ca_Kabuli_denovo	396537	(T/A)
17567	CakSNP17567	<i>Kabuli</i>	Ca_Kabuli_denovo	401937	(C/G)
17568	CakSNP17568	<i>Kabuli</i>	Ca_Kabuli_denovo	401939	(C/G)
17569	CakSNP17569	<i>Kabuli</i>	Ca_Kabuli_denovo	401940	(G/A)
17570	CakSNP17570	<i>Kabuli</i>	Ca_Kabuli_denovo	401941	(A/G)
17571	CakSNP17571	<i>Kabuli</i>	Ca_Kabuli_denovo	405694	(G/C)
17572	CakSNP17572	<i>Kabuli</i>	Ca_Kabuli_denovo	408057	(A/G)
17573	CakSNP17573	<i>Kabuli</i>	Ca_Kabuli_denovo	408058	(T/G)
17574	CakSNP17574	<i>Kabuli</i>	Ca_Kabuli_denovo	408059	(T/C)
17575	CakSNP17575	<i>Kabuli</i>	Ca_Kabuli_denovo	408060	(C/G)
17576	CakSNP17576	<i>Kabuli</i>	Ca_Kabuli_denovo	409398	(A/G)
17577	CakSNP17577	<i>Kabuli</i>	Ca_Kabuli_denovo	409408	(C/G)
17578	CakSNP17578	<i>Kabuli</i>	Ca_Kabuli_denovo	409485	(A/G)
17579	CakSNP17579	<i>Kabuli</i>	Ca_Kabuli_denovo	409491	(A/G)
17580	CakSNP17580	<i>Kabuli</i>	Ca_Kabuli_denovo	409503	(A/G)
17581	CakSNP17581	<i>Kabuli</i>	Ca_Kabuli_denovo	409516	(C/A)
17582	CakSNP17582	<i>Kabuli</i>	Ca_Kabuli_denovo	409517	(C/G)
17583	CakSNP17583	<i>Kabuli</i>	Ca_Kabuli_denovo	409538	(T/G)
17584	CakSNP17584	<i>Kabuli</i>	Ca_Kabuli_denovo	412542	(A/G)
17585	CakSNP17585	<i>Kabuli</i>	Ca_Kabuli_denovo	412543	(G/C)
17586	CakSNP17586	<i>Kabuli</i>	Ca_Kabuli_denovo	412544	(A/C)
17587	CakSNP17587	<i>Kabuli</i>	Ca_Kabuli_denovo	412545	(G/A)
17588	CakSNP17588	<i>Kabuli</i>	Ca_Kabuli_denovo	416852	(C/G)
17589	CakSNP17589	<i>Kabuli</i>	Ca_Kabuli_denovo	416855	(T/G)
17590	CakSNP17590	<i>Kabuli</i>	Ca_Kabuli_denovo	416876	(T/G)
17591	CakSNP17591	<i>Kabuli</i>	Ca_Kabuli_denovo	416887	(A/G)
17592	CakSNP17592	<i>Kabuli</i>	Ca_Kabuli_denovo	416915	(A/G)
17593	CakSNP17593	<i>Kabuli</i>	Ca_Kabuli_denovo	416999	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17594	CakSNP17594	<i>Kabuli</i>	Ca_Kabuli_denovo	417000	(A/C)
17595	CakSNP17595	<i>Kabuli</i>	Ca_Kabuli_denovo	420045	(A/G)
17596	CakSNP17596	<i>Kabuli</i>	Ca_Kabuli_denovo	420049	(A/G)
17597	CakSNP17597	<i>Kabuli</i>	Ca_Kabuli_denovo	420278	(A/G)
17598	CakSNP17598	<i>Kabuli</i>	Ca_Kabuli_denovo	420290	(C/G)
17599	CakSNP17599	<i>Kabuli</i>	Ca_Kabuli_denovo	420297	(C/G)
17600	CakSNP17600	<i>Kabuli</i>	Ca_Kabuli_denovo	420313	(A/G)
17601	CakSNP17601	<i>Kabuli</i>	Ca_Kabuli_denovo	420318	(C/G)
17602	CakSNP17602	<i>Kabuli</i>	Ca_Kabuli_denovo	420329	(A/G)
17603	CakSNP17603	<i>Kabuli</i>	Ca_Kabuli_denovo	420360	(A/G)
17604	CakSNP17604	<i>Kabuli</i>	Ca_Kabuli_denovo	422246	(C/G)
17605	CakSNP17605	<i>Kabuli</i>	Ca_Kabuli_denovo	422283	(G/A)
17606	CakSNP17606	<i>Kabuli</i>	Ca_Kabuli_denovo	422291	(T/G)
17607	CakSNP17607	<i>Kabuli</i>	Ca_Kabuli_denovo	422304	(C/A)
17608	CakSNP17608	<i>Kabuli</i>	Ca_Kabuli_denovo	425114	(A/G)
17609	CakSNP17609	<i>Kabuli</i>	Ca_Kabuli_denovo	425192	(A/G)
17610	CakSNP17610	<i>Kabuli</i>	Ca_Kabuli_denovo	427123	(T/G)
17611	CakSNP17611	<i>Kabuli</i>	Ca_Kabuli_denovo	440472	(A/G)
17612	CakSNP17612	<i>Kabuli</i>	Ca_Kabuli_denovo	441668	(T/G)
17613	CakSNP17613	<i>Kabuli</i>	Ca_Kabuli_denovo	442080	(T/G)
17614	CakSNP17614	<i>Kabuli</i>	Ca_Kabuli_denovo	442120	(T/C)
17615	CakSNP17615	<i>Kabuli</i>	Ca_Kabuli_denovo	442121	(C/A)
17616	CakSNP17616	<i>Kabuli</i>	Ca_Kabuli_denovo	442122	(T/A)
17617	CakSNP17617	<i>Kabuli</i>	Ca_Kabuli_denovo	442213	(C/T)
17618	CakSNP17618	<i>Kabuli</i>	Ca_Kabuli_denovo	442216	(C/T)
17619	CakSNP17619	<i>Kabuli</i>	Ca_Kabuli_denovo	442391	(G/C)
17620	CakSNP17620	<i>Kabuli</i>	Ca_Kabuli_denovo	442393	(C/G)
17621	CakSNP17621	<i>Kabuli</i>	Ca_Kabuli_denovo	442394	(G/A)
17622	CakSNP17622	<i>Kabuli</i>	Ca_Kabuli_denovo	442395	(G/A)
17623	CakSNP17623	<i>Kabuli</i>	Ca_Kabuli_denovo	442398	(C/T)
17624	CakSNP17624	<i>Kabuli</i>	Ca_Kabuli_denovo	442399	(G/C)
17625	CakSNP17625	<i>Kabuli</i>	Ca_Kabuli_denovo	442400	(A/G)
17626	CakSNP17626	<i>Kabuli</i>	Ca_Kabuli_denovo	442402	(C/A)
17627	CakSNP17627	<i>Kabuli</i>	Ca_Kabuli_denovo	443991	(T/G)
17628	CakSNP17628	<i>Kabuli</i>	Ca_Kabuli_denovo	444015	(T/C)
17629	CakSNP17629	<i>Kabuli</i>	Ca_Kabuli_denovo	444023	(T/G)
17630	CakSNP17630	<i>Kabuli</i>	Ca_Kabuli_denovo	444031	(A/G)
17631	CakSNP17631	<i>Kabuli</i>	Ca_Kabuli_denovo	453291	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17632	CakSNP17632	<i>Kabuli</i>	Ca_Kabuli_denovo	453300	(A/G)
17633	CakSNP17633	<i>Kabuli</i>	Ca_Kabuli_denovo	453318	(A/G)
17634	CakSNP17634	<i>Kabuli</i>	Ca_Kabuli_denovo	453861	(G/A)
17635	CakSNP17635	<i>Kabuli</i>	Ca_Kabuli_denovo	453862	(G/A)
17636	CakSNP17636	<i>Kabuli</i>	Ca_Kabuli_denovo	453900	(G/A)
17637	CakSNP17637	<i>Kabuli</i>	Ca_Kabuli_denovo	454466	(C/G)
17638	CakSNP17638	<i>Kabuli</i>	Ca_Kabuli_denovo	468460	(G/A)
17639	CakSNP17639	<i>Kabuli</i>	Ca_Kabuli_denovo	469180	(A/G)
17640	CakSNP17640	<i>Kabuli</i>	Ca_Kabuli_denovo	476805	(G/C)
17641	CakSNP17641	<i>Kabuli</i>	Ca_Kabuli_denovo	476807	(C/G)
17642	CakSNP17642	<i>Kabuli</i>	Ca_Kabuli_denovo	476808	(A/G)
17643	CakSNP17643	<i>Kabuli</i>	Ca_Kabuli_denovo	476809	(G/A)
17644	CakSNP17644	<i>Kabuli</i>	Ca_Kabuli_denovo	476811	(C/A)
17645	CakSNP17645	<i>Kabuli</i>	Ca_Kabuli_denovo	479038	(C/A)
17646	CakSNP17646	<i>Kabuli</i>	Ca_Kabuli_denovo	479043	(A/G)
17647	CakSNP17647	<i>Kabuli</i>	Ca_Kabuli_denovo	489994	(T/G)
17648	CakSNP17648	<i>Kabuli</i>	Ca_Kabuli_denovo	490709	(G/C)
17649	CakSNP17649	<i>Kabuli</i>	Ca_Kabuli_denovo	490829	(C/A)
17650	CakSNP17650	<i>Kabuli</i>	Ca_Kabuli_denovo	490851	(A/C)
17651	CakSNP17651	<i>Kabuli</i>	Ca_Kabuli_denovo	490863	(T/G)
17652	CakSNP17652	<i>Kabuli</i>	Ca_Kabuli_denovo	490944	(C/A)
17653	CakSNP17653	<i>Kabuli</i>	Ca_Kabuli_denovo	490945	(A/T)
17654	CakSNP17654	<i>Kabuli</i>	Ca_Kabuli_denovo	490946	(G/T)
17655	CakSNP17655	<i>Kabuli</i>	Ca_Kabuli_denovo	490947	(A/C)
17656	CakSNP17656	<i>Kabuli</i>	Ca_Kabuli_denovo	491027	(G/T)
17657	CakSNP17657	<i>Kabuli</i>	Ca_Kabuli_denovo	492735	(A/T)
17658	CakSNP17658	<i>Kabuli</i>	Ca_Kabuli_denovo	500805	(A/C)
17659	CakSNP17659	<i>Kabuli</i>	Ca_Kabuli_denovo	504532	(T/G)
17660	CakSNP17660	<i>Kabuli</i>	Ca_Kabuli_denovo	504535	(C/G)
17661	CakSNP17661	<i>Kabuli</i>	Ca_Kabuli_denovo	504543	(T/G)
17662	CakSNP17662	<i>Kabuli</i>	Ca_Kabuli_denovo	504570	(A/G)
17663	CakSNP17663	<i>Kabuli</i>	Ca_Kabuli_denovo	504576	(T/G)
17664	CakSNP17664	<i>Kabuli</i>	Ca_Kabuli_denovo	504608	(G/A)
17665	CakSNP17665	<i>Kabuli</i>	Ca_Kabuli_denovo	504615	(C/T)
17666	CakSNP17666	<i>Kabuli</i>	Ca_Kabuli_denovo	514036	(G/C)
17667	CakSNP17667	<i>Kabuli</i>	Ca_Kabuli_denovo	514044	(T/C)
17668	CakSNP17668	<i>Kabuli</i>	Ca_Kabuli_denovo	520412	(A/G)
17669	CakSNP17669	<i>Kabuli</i>	Ca_Kabuli_denovo	520413	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17670	CakSNP17670	<i>Kabuli</i>	Ca_Kabuli_denovo	520414	(G/T)
17671	CakSNP17671	<i>Kabuli</i>	Ca_Kabuli_denovo	520415	(A/C)
17672	CakSNP17672	<i>Kabuli</i>	Ca_Kabuli_denovo	520883	(G/A)
17673	CakSNP17673	<i>Kabuli</i>	Ca_Kabuli_denovo	523230	(A/G)
17674	CakSNP17674	<i>Kabuli</i>	Ca_Kabuli_denovo	523242	(T/A)
17675	CakSNP17675	<i>Kabuli</i>	Ca_Kabuli_denovo	525830	(C/A)
17676	CakSNP17676	<i>Kabuli</i>	Ca_Kabuli_denovo	525854	(T/A)
17677	CakSNP17677	<i>Kabuli</i>	Ca_Kabuli_denovo	525877	(G/C)
17678	CakSNP17678	<i>Kabuli</i>	Ca_Kabuli_denovo	533049	(A/T)
17679	CakSNP17679	<i>Kabuli</i>	Ca_Kabuli_denovo	533050	(G/T)
17680	CakSNP17680	<i>Kabuli</i>	Ca_Kabuli_denovo	533054	(C/T)
17681	CakSNP17681	<i>Kabuli</i>	Ca_Kabuli_denovo	534272	(A/G)
17682	CakSNP17682	<i>Kabuli</i>	Ca_Kabuli_denovo	554834	(G/C)
17683	CakSNP17683	<i>Kabuli</i>	Ca_Kabuli_denovo	554836	(A/G)
17684	CakSNP17684	<i>Kabuli</i>	Ca_Kabuli_denovo	554837	(G/A)
17685	CakSNP17685	<i>Kabuli</i>	Ca_Kabuli_denovo	554838	(G/A)
17686	CakSNP17686	<i>Kabuli</i>	Ca_Kabuli_denovo	554839	(A/G)
17687	CakSNP17687	<i>Kabuli</i>	Ca_Kabuli_denovo	565001	(C/G)
17688	CakSNP17688	<i>Kabuli</i>	Ca_Kabuli_denovo	565008	(T/G)
17689	CakSNP17689	<i>Kabuli</i>	Ca_Kabuli_denovo	565056	(A/G)
17690	CakSNP17690	<i>Kabuli</i>	Ca_Kabuli_denovo	565065	(C/G)
17691	CakSNP17691	<i>Kabuli</i>	Ca_Kabuli_denovo	566223	(A/G)
17692	CakSNP17692	<i>Kabuli</i>	Ca_Kabuli_denovo	566225	(T/G)
17693	CakSNP17693	<i>Kabuli</i>	Ca_Kabuli_denovo	566238	(C/A)
17694	CakSNP17694	<i>Kabuli</i>	Ca_Kabuli_denovo	566255	(T/C)
17695	CakSNP17695	<i>Kabuli</i>	Ca_Kabuli_denovo	575792	(T/G)
17696	CakSNP17696	<i>Kabuli</i>	Ca_Kabuli_denovo	575809	(A/G)
17697	CakSNP17697	<i>Kabuli</i>	Ca_Kabuli_denovo	736077	(A/C)
17698	CakSNP17698	<i>Kabuli</i>	Ca_Kabuli_denovo	861305	(T/C)
17699	CakSNP17699	<i>Kabuli</i>	Ca_Kabuli_denovo	861308	(G/C)
17700	CakSNP17700	<i>Kabuli</i>	Ca_Kabuli_denovo	930198	(T/A)
17701	CakSNP17701	<i>Kabuli</i>	Ca_Kabuli_denovo	930227	(T/G)
17702	CakSNP17702	<i>Kabuli</i>	Ca_Kabuli_denovo	930235	(A/G)
17703	CakSNP17703	<i>Kabuli</i>	Ca_Kabuli_denovo	930257	(T/G)
17704	CakSNP17704	<i>Kabuli</i>	Ca_Kabuli_denovo	930278	(G/C)
17705	CakSNP17705	<i>Kabuli</i>	Ca_Kabuli_denovo	930279	(G/A)
17706	CakSNP17706	<i>Kabuli</i>	Ca_Kabuli_denovo	933718	(C/A)
17707	CakSNP17707	<i>Kabuli</i>	Ca_Kabuli_denovo	933719	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17708	CakSNP17708	<i>Kabuli</i>	Ca_Kabuli_denovo	933720	(C/A)
17709	CakSNP17709	<i>Kabuli</i>	Ca_Kabuli_denovo	965223	(A/G)
17710	CakSNP17710	<i>Kabuli</i>	Ca_Kabuli_denovo	1158419	(G/C)
17711	CakSNP17711	<i>Kabuli</i>	Ca_Kabuli_denovo	1158466	(C/G)
17712	CakSNP17712	<i>Kabuli</i>	Ca_Kabuli_denovo	1188058	(C/A)
17713	CakSNP17713	<i>Kabuli</i>	Ca_Kabuli_denovo	1188059	(A/C)
17714	CakSNP17714	<i>Kabuli</i>	Ca_Kabuli_denovo	1188060	(G/C)
17715	CakSNP17715	<i>Kabuli</i>	Ca_Kabuli_denovo	1188063	(T/A)
17716	CakSNP17716	<i>Kabuli</i>	Ca_Kabuli_denovo	1188064	(C/T)
17717	CakSNP17717	<i>Kabuli</i>	Ca_Kabuli_denovo	1286765	(C/A)
17718	CakSNP17718	<i>Kabuli</i>	Ca_Kabuli_denovo	1286799	(T/G)
17719	CakSNP17719	<i>Kabuli</i>	Ca_Kabuli_denovo	1286839	(C/A)
17720	CakSNP17720	<i>Kabuli</i>	Ca_Kabuli_denovo	1286848	(T/G)
17721	CakSNP17721	<i>Kabuli</i>	Ca_Kabuli_denovo	1286873	(T/A)
17722	CakSNP17722	<i>Kabuli</i>	Ca_Kabuli_denovo	1286885	(A/G)
17723	CakSNP17723	<i>Kabuli</i>	Ca_Kabuli_denovo	1286892	(T/G)
17724	CakSNP17724	<i>Kabuli</i>	Ca_Kabuli_denovo	1286899	(A/G)
17725	CakSNP17725	<i>Kabuli</i>	Ca_Kabuli_denovo	1286901	(C/A)
17726	CakSNP17726	<i>Kabuli</i>	Ca_Kabuli_denovo	1541967	(C/G)
17727	CakSNP17727	<i>Kabuli</i>	Ca_Kabuli_denovo	1542153	(T/G)
17728	CakSNP17728	<i>Kabuli</i>	Ca_Kabuli_denovo	1602962	(T/A)
17729	CakSNP17729	<i>Kabuli</i>	Ca_Kabuli_denovo	1603019	(T/C)
17730	CakSNP17730	<i>Kabuli</i>	Ca_Kabuli_denovo	1603020	(T/A)
17731	CakSNP17731	<i>Kabuli</i>	Ca_Kabuli_denovo	1603038	(A/C)
17732	CakSNP17732	<i>Kabuli</i>	Ca_Kabuli_denovo	1603067	(C/G)
17733	CakSNP17733	<i>Kabuli</i>	Ca_Kabuli_denovo	1603073	(G/T)
17734	CakSNP17734	<i>Kabuli</i>	Ca_Kabuli_denovo	1603120	(G/C)
17735	CakSNP17735	<i>Kabuli</i>	Ca_Kabuli_denovo	1604436	(A/G)
17736	CakSNP17736	<i>Kabuli</i>	Ca_Kabuli_denovo	1604633	(G/A)
17737	CakSNP17737	<i>Kabuli</i>	Ca_Kabuli_denovo	1604645	(G/A)
17738	CakSNP17738	<i>Kabuli</i>	Ca_Kabuli_denovo	1604682	(T/G)
17739	CakSNP17739	<i>Kabuli</i>	Ca_Kabuli_denovo	1607526	(A/G)
17740	CakSNP17740	<i>Kabuli</i>	Ca_Kabuli_denovo	1621430	(C/G)
17741	CakSNP17741	<i>Kabuli</i>	Ca_Kabuli_denovo	1621431	(C/G)
17742	CakSNP17742	<i>Kabuli</i>	Ca_Kabuli_denovo	1622000	(T/A)
17743	CakSNP17743	<i>Kabuli</i>	Ca_Kabuli_denovo	1622001	(T/G)
17744	CakSNP17744	<i>Kabuli</i>	Ca_Kabuli_denovo	1622005	(G/C)
17745	CakSNP17745	<i>Kabuli</i>	Ca_Kabuli_denovo	1627804	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17746	CakSNP17746	<i>Kabuli</i>	Ca_Kabuli_denovo	1627832	(C/G)
17747	CakSNP17747	<i>Kabuli</i>	Ca_Kabuli_denovo	1627845	(C/G)
17748	CakSNP17748	<i>Kabuli</i>	Ca_Kabuli_denovo	1629193	(C/G)
17749	CakSNP17749	<i>Kabuli</i>	Ca_Kabuli_denovo	1629194	(G/T)
17750	CakSNP17750	<i>Kabuli</i>	Ca_Kabuli_denovo	1629209	(C/G)
17751	CakSNP17751	<i>Kabuli</i>	Ca_Kabuli_denovo	1629225	(T/G)
17752	CakSNP17752	<i>Kabuli</i>	Ca_Kabuli_denovo	1645344	(A/C)
17753	CakSNP17753	<i>Kabuli</i>	Ca_Kabuli_denovo	1646822	(T/A)
17754	CakSNP17754	<i>Kabuli</i>	Ca_Kabuli_denovo	1646824	(C/G)
17755	CakSNP17755	<i>Kabuli</i>	Ca_Kabuli_denovo	1646825	(C/A)
17756	CakSNP17756	<i>Kabuli</i>	Ca_Kabuli_denovo	1646826	(C/G)
17757	CakSNP17757	<i>Kabuli</i>	Ca_Kabuli_denovo	1651702	(C/G)
17758	CakSNP17758	<i>Kabuli</i>	Ca_Kabuli_denovo	1651703	(G/A)
17759	CakSNP17759	<i>Kabuli</i>	Ca_Kabuli_denovo	1651738	(A/G)
17760	CakSNP17760	<i>Kabuli</i>	Ca_Kabuli_denovo	1657001	(C/G)
17761	CakSNP17761	<i>Kabuli</i>	Ca_Kabuli_denovo	1657040	(T/G)
17762	CakSNP17762	<i>Kabuli</i>	Ca_Kabuli_denovo	1662755	(C/G)
17763	CakSNP17763	<i>Kabuli</i>	Ca_Kabuli_denovo	1662758	(A/G)
17764	CakSNP17764	<i>Kabuli</i>	Ca_Kabuli_denovo	1662759	(T/G)
17765	CakSNP17765	<i>Kabuli</i>	Ca_Kabuli_denovo	1662766	(G/A)
17766	CakSNP17766	<i>Kabuli</i>	Ca_Kabuli_denovo	1662768	(A/G)
17767	CakSNP17767	<i>Kabuli</i>	Ca_Kabuli_denovo	1662796	(G/A)
17768	CakSNP17768	<i>Kabuli</i>	Ca_Kabuli_denovo	1664534	(T/G)
17769	CakSNP17769	<i>Kabuli</i>	Ca_Kabuli_denovo	1664562	(T/G)
17770	CakSNP17770	<i>Kabuli</i>	Ca_Kabuli_denovo	1664573	(A/G)
17771	CakSNP17771	<i>Kabuli</i>	Ca_Kabuli_denovo	1665734	(A/G)
17772	CakSNP17772	<i>Kabuli</i>	Ca_Kabuli_denovo	1665742	(G/A)
17773	CakSNP17773	<i>Kabuli</i>	Ca_Kabuli_denovo	1665774	(C/G)
17774	CakSNP17774	<i>Kabuli</i>	Ca_Kabuli_denovo	1665815	(T/G)
17775	CakSNP17775	<i>Kabuli</i>	Ca_Kabuli_denovo	1670929	(C/T)
17776	CakSNP17776	<i>Kabuli</i>	Ca_Kabuli_denovo	1670930	(C/G)
17777	CakSNP17777	<i>Kabuli</i>	Ca_Kabuli_denovo	1670931	(G/C)
17778	CakSNP17778	<i>Kabuli</i>	Ca_Kabuli_denovo	1670932	(A/C)
17779	CakSNP17779	<i>Kabuli</i>	Ca_Kabuli_denovo	1674472	(T/G)
17780	CakSNP17780	<i>Kabuli</i>	Ca_Kabuli_denovo	1674473	(T/G)
17781	CakSNP17781	<i>Kabuli</i>	Ca_Kabuli_denovo	1674498	(G/A)
17782	CakSNP17782	<i>Kabuli</i>	Ca_Kabuli_denovo	1674513	(A/G)
17783	CakSNP17783	<i>Kabuli</i>	Ca_Kabuli_denovo	1674786	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17784	CakSNP17784	<i>Kabuli</i>	Ca_Kabuli_denovo	1674794	(G/T)
17785	CakSNP17785	<i>Kabuli</i>	Ca_Kabuli_denovo	1674824	(T/G)
17786	CakSNP17786	<i>Kabuli</i>	Ca_Kabuli_denovo	1676619	(A/C)
17787	CakSNP17787	<i>Kabuli</i>	Ca_Kabuli_denovo	1676622	(C/A)
17788	CakSNP17788	<i>Kabuli</i>	Ca_Kabuli_denovo	1676628	(C/G)
17789	CakSNP17789	<i>Kabuli</i>	Ca_Kabuli_denovo	1676641	(T/A)
17790	CakSNP17790	<i>Kabuli</i>	Ca_Kabuli_denovo	1676642	(T/G)
17791	CakSNP17791	<i>Kabuli</i>	Ca_Kabuli_denovo	1676643	(T/G)
17792	CakSNP17792	<i>Kabuli</i>	Ca_Kabuli_denovo	1676647	(A/G)
17793	CakSNP17793	<i>Kabuli</i>	Ca_Kabuli_denovo	1676665	(T/G)
17794	CakSNP17794	<i>Kabuli</i>	Ca_Kabuli_denovo	1676692	(T/G)
17795	CakSNP17795	<i>Kabuli</i>	Ca_Kabuli_denovo	1679945	(C/T)
17796	CakSNP17796	<i>Kabuli</i>	Ca_Kabuli_denovo	1684919	(A/T)
17797	CakSNP17797	<i>Kabuli</i>	Ca_Kabuli_denovo	1684920	(G/T)
17798	CakSNP17798	<i>Kabuli</i>	Ca_Kabuli_denovo	1684923	(T/G)
17799	CakSNP17799	<i>Kabuli</i>	Ca_Kabuli_denovo	1685743	(A/C)
17800	CakSNP17800	<i>Kabuli</i>	Ca_Kabuli_denovo	1685744	(C/T)
17801	CakSNP17801	<i>Kabuli</i>	Ca_Kabuli_denovo	1685745	(T/C)
17802	CakSNP17802	<i>Kabuli</i>	Ca_Kabuli_denovo	1687665	(A/G)
17803	CakSNP17803	<i>Kabuli</i>	Ca_Kabuli_denovo	1687667	(A/G)
17804	CakSNP17804	<i>Kabuli</i>	Ca_Kabuli_denovo	1687669	(A/T)
17805	CakSNP17805	<i>Kabuli</i>	Ca_Kabuli_denovo	1688595	(A/T)
17806	CakSNP17806	<i>Kabuli</i>	Ca_Kabuli_denovo	1688596	(T/C)
17807	CakSNP17807	<i>Kabuli</i>	Ca_Kabuli_denovo	1688598	(C/A)
17808	CakSNP17808	<i>Kabuli</i>	Ca_Kabuli_denovo	1688599	(A/T)
17809	CakSNP17809	<i>Kabuli</i>	Ca_Kabuli_denovo	1688600	(C/A)
17810	CakSNP17810	<i>Kabuli</i>	Ca_Kabuli_denovo	1690593	(G/A)
17811	CakSNP17811	<i>Kabuli</i>	Ca_Kabuli_denovo	1690595	(T/G)
17812	CakSNP17812	<i>Kabuli</i>	Ca_Kabuli_denovo	1690605	(T/A)
17813	CakSNP17813	<i>Kabuli</i>	Ca_Kabuli_denovo	1696698	(T/G)
17814	CakSNP17814	<i>Kabuli</i>	Ca_Kabuli_denovo	1696705	(C/G)
17815	CakSNP17815	<i>Kabuli</i>	Ca_Kabuli_denovo	1698932	(G/C)
17816	CakSNP17816	<i>Kabuli</i>	Ca_Kabuli_denovo	1698934	(A/G)
17817	CakSNP17817	<i>Kabuli</i>	Ca_Kabuli_denovo	1698960	(A/G)
17818	CakSNP17818	<i>Kabuli</i>	Ca_Kabuli_denovo	1699496	(C/G)
17819	CakSNP17819	<i>Kabuli</i>	Ca_Kabuli_denovo	1699498	(C/G)
17820	CakSNP17820	<i>Kabuli</i>	Ca_Kabuli_denovo	1699521	(T/G)
17821	CakSNP17821	<i>Kabuli</i>	Ca_Kabuli_denovo	1699556	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17822	CakSNP17822	<i>Kabuli</i>	Ca_Kabuli_denovo	1699569	(A/T)
17823	CakSNP17823	<i>Kabuli</i>	Ca_Kabuli_denovo	1707083	(C/A)
17824	CakSNP17824	<i>Kabuli</i>	Ca_Kabuli_denovo	1707085	(C/G)
17825	CakSNP17825	<i>Kabuli</i>	Ca_Kabuli_denovo	1707086	(A/T)
17826	CakSNP17826	<i>Kabuli</i>	Ca_Kabuli_denovo	1707560	(C/A)
17827	CakSNP17827	<i>Kabuli</i>	Ca_Kabuli_denovo	1707561	(A/G)
17828	CakSNP17828	<i>Kabuli</i>	Ca_Kabuli_denovo	1707563	(A/G)
17829	CakSNP17829	<i>Kabuli</i>	Ca_Kabuli_denovo	1707565	(T/A)
17830	CakSNP17830	<i>Kabuli</i>	Ca_Kabuli_denovo	1732322	(A/G)
17831	CakSNP17831	<i>Kabuli</i>	Ca_Kabuli_denovo	1732338	(C/T)
17832	CakSNP17832	<i>Kabuli</i>	Ca_Kabuli_denovo	1734760	(G/C)
17833	CakSNP17833	<i>Kabuli</i>	Ca_Kabuli_denovo	1735490	(C/G)
17834	CakSNP17834	<i>Kabuli</i>	Ca_Kabuli_denovo	1735502	(C/T)
17835	CakSNP17835	<i>Kabuli</i>	Ca_Kabuli_denovo	1735523	(T/C)
17836	CakSNP17836	<i>Kabuli</i>	Ca_Kabuli_denovo	1735891	(T/G)
17837	CakSNP17837	<i>Kabuli</i>	Ca_Kabuli_denovo	1735929	(T/A)
17838	CakSNP17838	<i>Kabuli</i>	Ca_Kabuli_denovo	1735956	(G/C)
17839	CakSNP17839	<i>Kabuli</i>	Ca_Kabuli_denovo	1735988	(A/G)
17840	CakSNP17840	<i>Kabuli</i>	Ca_Kabuli_denovo	1737810	(A/G)
17841	CakSNP17841	<i>Kabuli</i>	Ca_Kabuli_denovo	1737898	(T/G)
17842	CakSNP17842	<i>Kabuli</i>	Ca_Kabuli_denovo	1737939	(G/A)
17843	CakSNP17843	<i>Kabuli</i>	Ca_Kabuli_denovo	1737964	(C/A)
17844	CakSNP17844	<i>Kabuli</i>	Ca_Kabuli_denovo	1739167	(G/C)
17845	CakSNP17845	<i>Kabuli</i>	Ca_Kabuli_denovo	1739168	(A/C)
17846	CakSNP17846	<i>Kabuli</i>	Ca_Kabuli_denovo	1739955	(G/A)
17847	CakSNP17847	<i>Kabuli</i>	Ca_Kabuli_denovo	1740013	(T/G)
17848	CakSNP17848	<i>Kabuli</i>	Ca_Kabuli_denovo	1741581	(G/A)
17849	CakSNP17849	<i>Kabuli</i>	Ca_Kabuli_denovo	1745745	(C/T)
17850	CakSNP17850	<i>Kabuli</i>	Ca_Kabuli_denovo	1745967	(G/T)
17851	CakSNP17851	<i>Kabuli</i>	Ca_Kabuli_denovo	1773627	(C/T)
17852	CakSNP17852	<i>Kabuli</i>	Ca_Kabuli_denovo	1773675	(T/G)
17853	CakSNP17853	<i>Kabuli</i>	Ca_Kabuli_denovo	1778702	(T/A)
17854	CakSNP17854	<i>Kabuli</i>	Ca_Kabuli_denovo	1778708	(G/A)
17855	CakSNP17855	<i>Kabuli</i>	Ca_Kabuli_denovo	1782502	(C/T)
17856	CakSNP17856	<i>Kabuli</i>	Ca_Kabuli_denovo	1782521	(T/C)
17857	CakSNP17857	<i>Kabuli</i>	Ca_Kabuli_denovo	1785710	(T/C)
17858	CakSNP17858	<i>Kabuli</i>	Ca_Kabuli_denovo	1799281	(G/T)
17859	CakSNP17859	<i>Kabuli</i>	Ca_Kabuli_denovo	1835504	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17860	CakSNP17860	<i>Kabuli</i>	Ca_Kabuli_denovo	1848623	(T/C)
17861	CakSNP17861	<i>Kabuli</i>	Ca_Kabuli_denovo	1865044	(C/G)
17862	CakSNP17862	<i>Kabuli</i>	Ca_Kabuli_denovo	1865051	(T/C)
17863	CakSNP17863	<i>Kabuli</i>	Ca_Kabuli_denovo	1877655	(A/C)
17864	CakSNP17864	<i>Kabuli</i>	Ca_Kabuli_denovo	1885551	(C/T)
17865	CakSNP17865	<i>Kabuli</i>	Ca_Kabuli_denovo	1885575	(G/A)
17866	CakSNP17866	<i>Kabuli</i>	Ca_Kabuli_denovo	1892464	(C/T)
17867	CakSNP17867	<i>Kabuli</i>	Ca_Kabuli_denovo	1892470	(A/T)
17868	CakSNP17868	<i>Kabuli</i>	Ca_Kabuli_denovo	1898838	(A/G)
17869	CakSNP17869	<i>Kabuli</i>	Ca_Kabuli_denovo	1898842	(G/A)
17870	CakSNP17870	<i>Kabuli</i>	Ca_Kabuli_denovo	1907169	(C/T)
17871	CakSNP17871	<i>Kabuli</i>	Ca_Kabuli_denovo	1954938	(C/T)
17872	CakSNP17872	<i>Kabuli</i>	Ca_Kabuli_denovo	1973101	(A/C)
17873	CakSNP17873	<i>Kabuli</i>	Ca_Kabuli_denovo	1981659	(C/G)
17874	CakSNP17874	<i>Kabuli</i>	Ca_Kabuli_denovo	1981685	(C/T)
17875	CakSNP17875	<i>Kabuli</i>	Ca_Kabuli_denovo	2017269	(C/T)
17876	CakSNP17876	<i>Kabuli</i>	Ca_Kabuli_denovo	2017293	(G/A)
17877	CakSNP17877	<i>Kabuli</i>	Ca_Kabuli_denovo	2082507	(C/T)
17878	CakSNP17878	<i>Kabuli</i>	Ca_Kabuli_denovo	2082510	(T/C)
17879	CakSNP17879	<i>Kabuli</i>	Ca_Kabuli_denovo	2083031	(G/C)
17880	CakSNP17880	<i>Kabuli</i>	Ca_Kabuli_denovo	2083034	(G/A)
17881	CakSNP17881	<i>Kabuli</i>	Ca_Kabuli_denovo	2083043	(T/G)
17882	CakSNP17882	<i>Kabuli</i>	Ca_Kabuli_denovo	2086223	(A/C)
17883	CakSNP17883	<i>Kabuli</i>	Ca_Kabuli_denovo	2089458	(A/G)
17884	CakSNP17884	<i>Kabuli</i>	Ca_Kabuli_denovo	2089483	(G/C)
17885	CakSNP17885	<i>Kabuli</i>	Ca_Kabuli_denovo	2103496	(C/G)
17886	CakSNP17886	<i>Kabuli</i>	Ca_Kabuli_denovo	2117543	(A/G)
17887	CakSNP17887	<i>Kabuli</i>	Ca_Kabuli_denovo	2179176	(A/C)
17888	CakSNP17888	<i>Kabuli</i>	Ca_Kabuli_denovo	2196538	(T/A)
17889	CakSNP17889	<i>Kabuli</i>	Ca_Kabuli_denovo	2196959	(G/A)
17890	CakSNP17890	<i>Kabuli</i>	Ca_Kabuli_denovo	2196969	(G/A)
17891	CakSNP17891	<i>Kabuli</i>	Ca_Kabuli_denovo	2204023	(C/T)
17892	CakSNP17892	<i>Kabuli</i>	Ca_Kabuli_denovo	2212621	(C/T)
17893	CakSNP17893	<i>Kabuli</i>	Ca_Kabuli_denovo	2212895	(C/T)
17894	CakSNP17894	<i>Kabuli</i>	Ca_Kabuli_denovo	2238931	(C/T)
17895	CakSNP17895	<i>Kabuli</i>	Ca_Kabuli_denovo	2238976	(C/T)
17896	CakSNP17896	<i>Kabuli</i>	Ca_Kabuli_denovo	2272968	(G/A)
17897	CakSNP17897	<i>Kabuli</i>	Ca_Kabuli_denovo	2289863	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17898	CakSNP17898	<i>Kabuli</i>	Ca_Kabuli_denovo	2329264	(G/A)
17899	CakSNP17899	<i>Kabuli</i>	Ca_Kabuli_denovo	2339668	(G/A)
17900	CakSNP17900	<i>Kabuli</i>	Ca_Kabuli_denovo	2345594	(A/T)
17901	CakSNP17901	<i>Kabuli</i>	Ca_Kabuli_denovo	2349919	(G/T)
17902	CakSNP17902	<i>Kabuli</i>	Ca_Kabuli_denovo	2349923	(T/G)
17903	CakSNP17903	<i>Kabuli</i>	Ca_Kabuli_denovo	2352980	(T/G)
17904	CakSNP17904	<i>Kabuli</i>	Ca_Kabuli_denovo	2368635	(A/T)
17905	CakSNP17905	<i>Kabuli</i>	Ca_Kabuli_denovo	2377565	(G/T)
17906	CakSNP17906	<i>Kabuli</i>	Ca_Kabuli_denovo	2378145	(G/A)
17907	CakSNP17907	<i>Kabuli</i>	Ca_Kabuli_denovo	2422055	(G/A)
17908	CakSNP17908	<i>Kabuli</i>	Ca_Kabuli_denovo	2424690	(C/T)
17909	CakSNP17909	<i>Kabuli</i>	Ca_Kabuli_denovo	2436733	(T/G)
17910	CakSNP17910	<i>Kabuli</i>	Ca_Kabuli_denovo	2442765	(G/C)
17911	CakSNP17911	<i>Kabuli</i>	Ca_Kabuli_denovo	2472151	(C/G)
17912	CakSNP17912	<i>Kabuli</i>	Ca_Kabuli_denovo	2472157	(T/C)
17913	CakSNP17913	<i>Kabuli</i>	Ca_Kabuli_denovo	2472160	(A/C)
17914	CakSNP17914	<i>Kabuli</i>	Ca_Kabuli_denovo	2481362	(C/G)
17915	CakSNP17915	<i>Kabuli</i>	Ca_Kabuli_denovo	2481371	(G/C)
17916	CakSNP17916	<i>Kabuli</i>	Ca_Kabuli_denovo	2484130	(G/C)
17917	CakSNP17917	<i>Kabuli</i>	Ca_Kabuli_denovo	2493981	(A/C)
17918	CakSNP17918	<i>Kabuli</i>	Ca_Kabuli_denovo	2521639	(T/C)
17919	CakSNP17919	<i>Kabuli</i>	Ca_Kabuli_denovo	2532212	(C/T)
17920	CakSNP17920	<i>Kabuli</i>	Ca_Kabuli_denovo	2534679	(T/C)
17921	CakSNP17921	<i>Kabuli</i>	Ca_Kabuli_denovo	2543790	(C/G)
17922	CakSNP17922	<i>Kabuli</i>	Ca_Kabuli_denovo	2543805	(G/A)
17923	CakSNP17923	<i>Kabuli</i>	Ca_Kabuli_denovo	2557532	(T/G)
17924	CakSNP17924	<i>Kabuli</i>	Ca_Kabuli_denovo	2566186	(C/T)
17925	CakSNP17925	<i>Kabuli</i>	Ca_Kabuli_denovo	2586184	(T/C)
17926	CakSNP17926	<i>Kabuli</i>	Ca_Kabuli_denovo	2596306	(G/A)
17927	CakSNP17927	<i>Kabuli</i>	Ca_Kabuli_denovo	2599278	(C/T)
17928	CakSNP17928	<i>Kabuli</i>	Ca_Kabuli_denovo	2599284	(T/C)
17929	CakSNP17929	<i>Kabuli</i>	Ca_Kabuli_denovo	2810251	(C/G)
17930	CakSNP17930	<i>Kabuli</i>	Ca_Kabuli_denovo	2822788	(C/T)
17931	CakSNP17931	<i>Kabuli</i>	Ca_Kabuli_denovo	2822794	(G/A)
17932	CakSNP17932	<i>Kabuli</i>	Ca_Kabuli_denovo	2841190	(C/G)
17933	CakSNP17933	<i>Kabuli</i>	Ca_Kabuli_denovo	2899276	(A/G)
17934	CakSNP17934	<i>Kabuli</i>	Ca_Kabuli_denovo	2905320	(A/C)
17935	CakSNP17935	<i>Kabuli</i>	Ca_Kabuli_denovo	2920107	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17936	CakSNP17936	<i>Kabuli</i>	Ca_Kabuli_denovo	2943170	(A/C)
17937	CakSNP17937	<i>Kabuli</i>	Ca_Kabuli_denovo	2950044	(T/C)
17938	CakSNP17938	<i>Kabuli</i>	Ca_Kabuli_denovo	2967013	(A/G)
17939	CakSNP17939	<i>Kabuli</i>	Ca_Kabuli_denovo	2986733	(G/C)
17940	CakSNP17940	<i>Kabuli</i>	Ca_Kabuli_denovo	2988473	(G/A)
17941	CakSNP17941	<i>Kabuli</i>	Ca_Kabuli_denovo	3002912	(G/C)
17942	CakSNP17942	<i>Kabuli</i>	Ca_Kabuli_denovo	3004600	(C/G)
17943	CakSNP17943	<i>Kabuli</i>	Ca_Kabuli_denovo	3028757	(A/G)
17944	CakSNP17944	<i>Kabuli</i>	Ca_Kabuli_denovo	3058052	(G/A)
17945	CakSNP17945	<i>Kabuli</i>	Ca_Kabuli_denovo	3067960	(A/G)
17946	CakSNP17946	<i>Kabuli</i>	Ca_Kabuli_denovo	3075746	(C/G)
17947	CakSNP17947	<i>Kabuli</i>	Ca_Kabuli_denovo	3075749	(A/G)
17948	CakSNP17948	<i>Kabuli</i>	Ca_Kabuli_denovo	3082312	(T/A)
17949	CakSNP17949	<i>Kabuli</i>	Ca_Kabuli_denovo	3102755	(C/T)
17950	CakSNP17950	<i>Kabuli</i>	Ca_Kabuli_denovo	3112730	(C/T)
17951	CakSNP17951	<i>Kabuli</i>	Ca_Kabuli_denovo	3119860	(G/A)
17952	CakSNP17952	<i>Kabuli</i>	Ca_Kabuli_denovo	3119864	(A/G)
17953	CakSNP17953	<i>Kabuli</i>	Ca_Kabuli_denovo	3122405	(A/G)
17954	CakSNP17954	<i>Kabuli</i>	Ca_Kabuli_denovo	3158126	(G/T)
17955	CakSNP17955	<i>Kabuli</i>	Ca_Kabuli_denovo	3158176	(G/A)
17956	CakSNP17956	<i>Kabuli</i>	Ca_Kabuli_denovo	3195629	(G/A)
17957	CakSNP17957	<i>Kabuli</i>	Ca_Kabuli_denovo	3234354	(G/A)
17958	CakSNP17958	<i>Kabuli</i>	Ca_Kabuli_denovo	3236873	(A/G)
17959	CakSNP17959	<i>Kabuli</i>	Ca_Kabuli_denovo	3236875	(T/C)
17960	CakSNP17960	<i>Kabuli</i>	Ca_Kabuli_denovo	3236878	(T/G)
17961	CakSNP17961	<i>Kabuli</i>	Ca_Kabuli_denovo	3303558	(A/C)
17962	CakSNP17962	<i>Kabuli</i>	Ca_Kabuli_denovo	3303631	(G/C)
17963	CakSNP17963	<i>Kabuli</i>	Ca_Kabuli_denovo	3315370	(A/G)
17964	CakSNP17964	<i>Kabuli</i>	Ca_Kabuli_denovo	3315379	(A/G)
17965	CakSNP17965	<i>Kabuli</i>	Ca_Kabuli_denovo	3366344	(C/T)
17966	CakSNP17966	<i>Kabuli</i>	Ca_Kabuli_denovo	3366389	(G/T)
17967	CakSNP17967	<i>Kabuli</i>	Ca_Kabuli_denovo	3376003	(A/G)
17968	CakSNP17968	<i>Kabuli</i>	Ca_Kabuli_denovo	3376309	(T/C)
17969	CakSNP17969	<i>Kabuli</i>	Ca_Kabuli_denovo	3381616	(T/C)
17970	CakSNP17970	<i>Kabuli</i>	Ca_Kabuli_denovo	3383148	(T/C)
17971	CakSNP17971	<i>Kabuli</i>	Ca_Kabuli_denovo	3397038	(T/C)
17972	CakSNP17972	<i>Kabuli</i>	Ca_Kabuli_denovo	3401848	(A/C)
17973	CakSNP17973	<i>Kabuli</i>	Ca_Kabuli_denovo	3419633	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17974	CakSNP17974	<i>Kabuli</i>	Ca_Kabuli_denovo	3427074	(A/G)
17975	CakSNP17975	<i>Kabuli</i>	Ca_Kabuli_denovo	3438889	(C/T)
17976	CakSNP17976	<i>Kabuli</i>	Ca_Kabuli_denovo	3520157	(T/C)
17977	CakSNP17977	<i>Kabuli</i>	Ca_Kabuli_denovo	3520187	(A/G)
17978	CakSNP17978	<i>Kabuli</i>	Ca_Kabuli_denovo	3563125	(C/T)
17979	CakSNP17979	<i>Kabuli</i>	Ca_Kabuli_denovo	3569168	(A/G)
17980	CakSNP17980	<i>Kabuli</i>	Ca_Kabuli_denovo	3569183	(A/G)
17981	CakSNP17981	<i>Kabuli</i>	Ca_Kabuli_denovo	3593979	(G/T)
17982	CakSNP17982	<i>Kabuli</i>	Ca_Kabuli_denovo	3608269	(C/T)
17983	CakSNP17983	<i>Kabuli</i>	Ca_Kabuli_denovo	3608277	(G/T)
17984	CakSNP17984	<i>Kabuli</i>	Ca_Kabuli_denovo	3619659	(C/T)
17985	CakSNP17985	<i>Kabuli</i>	Ca_Kabuli_denovo	3619740	(A/G)
17986	CakSNP17986	<i>Kabuli</i>	Ca_Kabuli_denovo	3621163	(G/A)
17987	CakSNP17987	<i>Kabuli</i>	Ca_Kabuli_denovo	3621166	(T/G)
17988	CakSNP17988	<i>Kabuli</i>	Ca_Kabuli_denovo	3627246	(T/A)
17989	CakSNP17989	<i>Kabuli</i>	Ca_Kabuli_denovo	3640534	(G/A)
17990	CakSNP17990	<i>Kabuli</i>	Ca_Kabuli_denovo	3640537	(A/G)
17991	CakSNP17991	<i>Kabuli</i>	Ca_Kabuli_denovo	3643962	(C/T)
17992	CakSNP17992	<i>Kabuli</i>	Ca_Kabuli_denovo	3649832	(T/G)
17993	CakSNP17993	<i>Kabuli</i>	Ca_Kabuli_denovo	3649844	(A/G)
17994	CakSNP17994	<i>Kabuli</i>	Ca_Kabuli_denovo	3656017	(A/C)
17995	CakSNP17995	<i>Kabuli</i>	Ca_Kabuli_denovo	3733774	(C/T)
17996	CakSNP17996	<i>Kabuli</i>	Ca_Kabuli_denovo	3733795	(C/G)
17997	CakSNP17997	<i>Kabuli</i>	Ca_Kabuli_denovo	3733959	(G/A)
17998	CakSNP17998	<i>Kabuli</i>	Ca_Kabuli_denovo	3865215	(A/G)
17999	CakSNP17999	<i>Kabuli</i>	Ca_Kabuli_denovo	3882576	(G/A)
18000	CakSNP18000	<i>Kabuli</i>	Ca_Kabuli_denovo	3882602	(G/C)
18001	CakSNP18001	<i>Kabuli</i>	Ca_Kabuli_denovo	3891592	(A/G)
18002	CakSNP18002	<i>Kabuli</i>	Ca_Kabuli_denovo	3926567	(T/C)
18003	CakSNP18003	<i>Kabuli</i>	Ca_Kabuli_denovo	3932481	(T/A)
18004	CakSNP18004	<i>Kabuli</i>	Ca_Kabuli_denovo	3962628	(C/A)
18005	CakSNP18005	<i>Kabuli</i>	Ca_Kabuli_denovo	3971486	(C/G)
18006	CakSNP18006	<i>Kabuli</i>	Ca_Kabuli_denovo	3971511	(T/C)
18007	CakSNP18007	<i>Kabuli</i>	Ca_Kabuli_denovo	3985191	(G/A)
18008	CakSNP18008	<i>Kabuli</i>	Ca_Kabuli_denovo	3985194	(C/T)
18009	CakSNP18009	<i>Kabuli</i>	Ca_Kabuli_denovo	3988996	(G/C)
18010	CakSNP18010	<i>Kabuli</i>	Ca_Kabuli_denovo	3989017	(G/A)
18011	CakSNP18011	<i>Kabuli</i>	Ca_Kabuli_denovo	4058620	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18012	CakSNP18012	<i>Kabuli</i>	Ca_Kabuli_denovo	4058680	(A/C)
18013	CakSNP18013	<i>Kabuli</i>	Ca_Kabuli_denovo	4069641	(G/C)
18014	CakSNP18014	<i>Kabuli</i>	Ca_Kabuli_denovo	4069659	(C/T)
18015	CakSNP18015	<i>Kabuli</i>	Ca_Kabuli_denovo	4074763	(A/G)
18016	CakSNP18016	<i>Kabuli</i>	Ca_Kabuli_denovo	4074764	(C/G)
18017	CakSNP18017	<i>Kabuli</i>	Ca_Kabuli_denovo	4102951	(A/G)
18018	CakSNP18018	<i>Kabuli</i>	Ca_Kabuli_denovo	4131618	(A/C)
18019	CakSNP18019	<i>Kabuli</i>	Ca_Kabuli_denovo	4327961	(T/C)
18020	CakSNP18020	<i>Kabuli</i>	Ca_Kabuli_denovo	4354794	(C/T)
18021	CakSNP18021	<i>Kabuli</i>	Ca_Kabuli_denovo	4354804	(C/T)
18022	CakSNP18022	<i>Kabuli</i>	Ca_Kabuli_denovo	4384538	(T/C)
18023	CakSNP18023	<i>Kabuli</i>	Ca_Kabuli_denovo	4423469	(A/G)
18024	CakSNP18024	<i>Kabuli</i>	Ca_Kabuli_denovo	4423478	(C/G)
18025	CakSNP18025	<i>Kabuli</i>	Ca_Kabuli_denovo	4462086	(C/A)
18026	CakSNP18026	<i>Kabuli</i>	Ca_Kabuli_denovo	4531890	(A/C)
18027	CakSNP18027	<i>Kabuli</i>	Ca_Kabuli_denovo	4533618	(T/C)
18028	CakSNP18028	<i>Kabuli</i>	Ca_Kabuli_denovo	4565146	(G/A)
18029	CakSNP18029	<i>Kabuli</i>	Ca_Kabuli_denovo	4575382	(C/T)
18030	CakSNP18030	<i>Kabuli</i>	Ca_Kabuli_denovo	4581997	(C/G)
18031	CakSNP18031	<i>Kabuli</i>	Ca_Kabuli_denovo	4581998	(C/A)
18032	CakSNP18032	<i>Kabuli</i>	Ca_Kabuli_denovo	4633334	(G/A)
18033	CakSNP18033	<i>Kabuli</i>	Ca_Kabuli_denovo	4634189	(A/C)
18034	CakSNP18034	<i>Kabuli</i>	Ca_Kabuli_denovo	4645619	(G/A)
18035	CakSNP18035	<i>Kabuli</i>	Ca_Kabuli_denovo	4659307	(G/C)
18036	CakSNP18036	<i>Kabuli</i>	Ca_Kabuli_denovo	4659309	(C/A)
18037	CakSNP18037	<i>Kabuli</i>	Ca_Kabuli_denovo	4659328	(G/A)
18038	CakSNP18038	<i>Kabuli</i>	Ca_Kabuli_denovo	4704245	(G/A)
18039	CakSNP18039	<i>Kabuli</i>	Ca_Kabuli_denovo	4704305	(C/T)
18040	CakSNP18040	<i>Kabuli</i>	Ca_Kabuli_denovo	4738377	(T/A)
18041	CakSNP18041	<i>Kabuli</i>	Ca_Kabuli_denovo	4738379	(G/T)
18042	CakSNP18042	<i>Kabuli</i>	Ca_Kabuli_denovo	4738831	(G/A)
18043	CakSNP18043	<i>Kabuli</i>	Ca_Kabuli_denovo	4756479	(G/A)
18044	CakSNP18044	<i>Kabuli</i>	Ca_Kabuli_denovo	4763483	(C/A)
18045	CakSNP18045	<i>Kabuli</i>	Ca_Kabuli_denovo	4769505	(C/A)
18046	CakSNP18046	<i>Kabuli</i>	Ca_Kabuli_denovo	4769506	(A/G)
18047	CakSNP18047	<i>Kabuli</i>	Ca_Kabuli_denovo	4779386	(G/T)
18048	CakSNP18048	<i>Kabuli</i>	Ca_Kabuli_denovo	4779389	(G/A)
18049	CakSNP18049	<i>Kabuli</i>	Ca_Kabuli_denovo	4801328	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18050	CakSNP18050	<i>Kabuli</i>	Ca_Kabuli_denovo	4801337	(G/A)
18051	CakSNP18051	<i>Kabuli</i>	Ca_Kabuli_denovo	4801346	(C/T)
18052	CakSNP18052	<i>Kabuli</i>	Ca_Kabuli_denovo	4804447	(A/G)
18053	CakSNP18053	<i>Kabuli</i>	Ca_Kabuli_denovo	4829417	(G/C)
18054	CakSNP18054	<i>Kabuli</i>	Ca_Kabuli_denovo	4829418	(T/C)
18055	CakSNP18055	<i>Kabuli</i>	Ca_Kabuli_denovo	4837576	(C/T)
18056	CakSNP18056	<i>Kabuli</i>	Ca_Kabuli_denovo	4848221	(C/T)
18057	CakSNP18057	<i>Kabuli</i>	Ca_Kabuli_denovo	4848227	(G/A)
18058	CakSNP18058	<i>Kabuli</i>	Ca_Kabuli_denovo	4849347	(C/G)
18059	CakSNP18059	<i>Kabuli</i>	Ca_Kabuli_denovo	4870801	(G/A)
18060	CakSNP18060	<i>Kabuli</i>	Ca_Kabuli_denovo	4910257	(G/A)
18061	CakSNP18061	<i>Kabuli</i>	Ca_Kabuli_denovo	4931630	(C/T)
18062	CakSNP18062	<i>Kabuli</i>	Ca_Kabuli_denovo	4956229	(A/G)
18063	CakSNP18063	<i>Kabuli</i>	Ca_Kabuli_denovo	4970754	(A/C)
18064	CakSNP18064	<i>Kabuli</i>	Ca_Kabuli_denovo	4984720	(G/A)
18065	CakSNP18065	<i>Kabuli</i>	Ca_Kabuli_denovo	4984729	(C/T)
18066	CakSNP18066	<i>Kabuli</i>	Ca_Kabuli_denovo	4986581	(T/C)
18067	CakSNP18067	<i>Kabuli</i>	Ca_Kabuli_denovo	4997664	(G/A)
18068	CakSNP18068	<i>Kabuli</i>	Ca_Kabuli_denovo	4999327	(A/G)
18069	CakSNP18069	<i>Kabuli</i>	Ca_Kabuli_denovo	4999329	(G/A)
18070	CakSNP18070	<i>Kabuli</i>	Ca_Kabuli_denovo	4999334	(G/C)
18071	CakSNP18071	<i>Kabuli</i>	Ca_Kabuli_denovo	4999336	(C/G)
18072	CakSNP18072	<i>Kabuli</i>	Ca_Kabuli_denovo	4999337	(A/C)
18073	CakSNP18073	<i>Kabuli</i>	Ca_Kabuli_denovo	4999367	(T/G)
18074	CakSNP18074	<i>Kabuli</i>	Ca_Kabuli_denovo	5021916	(A/T)
18075	CakSNP18075	<i>Kabuli</i>	Ca_Kabuli_denovo	5021954	(C/T)
18076	CakSNP18076	<i>Kabuli</i>	Ca_Kabuli_denovo	5036439	(C/A)
18077	CakSNP18077	<i>Kabuli</i>	Ca_Kabuli_denovo	5085488	(C/T)
18078	CakSNP18078	<i>Kabuli</i>	Ca_Kabuli_denovo	5104591	(A/G)
18079	CakSNP18079	<i>Kabuli</i>	Ca_Kabuli_denovo	5109203	(T/C)
18080	CakSNP18080	<i>Kabuli</i>	Ca_Kabuli_denovo	5128398	(C/G)
18081	CakSNP18081	<i>Kabuli</i>	Ca_Kabuli_denovo	5128413	(A/G)
18082	CakSNP18082	<i>Kabuli</i>	Ca_Kabuli_denovo	5154944	(C/G)
18083	CakSNP18083	<i>Kabuli</i>	Ca_Kabuli_denovo	5155600	(C/G)
18084	CakSNP18084	<i>Kabuli</i>	Ca_Kabuli_denovo	5191898	(C/T)
18085	CakSNP18085	<i>Kabuli</i>	Ca_Kabuli_denovo	5196708	(T/A)
18086	CakSNP18086	<i>Kabuli</i>	Ca_Kabuli_denovo	5229436	(G/C)
18087	CakSNP18087	<i>Kabuli</i>	Ca_Kabuli_denovo	5230153	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18088	CakSNP18088	<i>Kabuli</i>	Ca_Kabuli_denovo	5230160	(T/C)
18089	CakSNP18089	<i>Kabuli</i>	Ca_Kabuli_denovo	5236751	(G/A)
18090	CakSNP18090	<i>Kabuli</i>	Ca_Kabuli_denovo	5236789	(T/A)
18091	CakSNP18091	<i>Kabuli</i>	Ca_Kabuli_denovo	5238535	(T/A)
18092	CakSNP18092	<i>Kabuli</i>	Ca_Kabuli_denovo	5238598	(A/G)
18093	CakSNP18093	<i>Kabuli</i>	Ca_Kabuli_denovo	5263444	(C/T)
18094	CakSNP18094	<i>Kabuli</i>	Ca_Kabuli_denovo	5273594	(G/A)
18095	CakSNP18095	<i>Kabuli</i>	Ca_Kabuli_denovo	5273656	(C/G)
18096	CakSNP18096	<i>Kabuli</i>	Ca_Kabuli_denovo	5275340	(G/A)
18097	CakSNP18097	<i>Kabuli</i>	Ca_Kabuli_denovo	5280137	(G/A)
18098	CakSNP18098	<i>Kabuli</i>	Ca_Kabuli_denovo	5305760	(G/C)
18099	CakSNP18099	<i>Kabuli</i>	Ca_Kabuli_denovo	5329084	(G/C)
18100	CakSNP18100	<i>Kabuli</i>	Ca_Kabuli_denovo	5329559	(T/C)
18101	CakSNP18101	<i>Kabuli</i>	Ca_Kabuli_denovo	5329562	(C/G)
18102	CakSNP18102	<i>Kabuli</i>	Ca_Kabuli_denovo	5332558	(C/T)
18103	CakSNP18103	<i>Kabuli</i>	Ca_Kabuli_denovo	5332561	(C/A)
18104	CakSNP18104	<i>Kabuli</i>	Ca_Kabuli_denovo	5337094	(G/C)
18105	CakSNP18105	<i>Kabuli</i>	Ca_Kabuli_denovo	5357564	(C/T)
18106	CakSNP18106	<i>Kabuli</i>	Ca_Kabuli_denovo	5358806	(A/G)
18107	CakSNP18107	<i>Kabuli</i>	Ca_Kabuli_denovo	5388664	(A/T)
18108	CakSNP18108	<i>Kabuli</i>	Ca_Kabuli_denovo	5402790	(G/A)
18109	CakSNP18109	<i>Kabuli</i>	Ca_Kabuli_denovo	5402793	(C/T)
18110	CakSNP18110	<i>Kabuli</i>	Ca_Kabuli_denovo	5470445	(A/C)
18111	CakSNP18111	<i>Kabuli</i>	Ca_Kabuli_denovo	5470446	(G/C)
18112	CakSNP18112	<i>Kabuli</i>	Ca_Kabuli_denovo	5470447	(A/G)
18113	CakSNP18113	<i>Kabuli</i>	Ca_Kabuli_denovo	5471395	(C/T)
18114	CakSNP18114	<i>Kabuli</i>	Ca_Kabuli_denovo	5477856	(C/A)
18115	CakSNP18115	<i>Kabuli</i>	Ca_Kabuli_denovo	5529333	(C/G)
18116	CakSNP18116	<i>Kabuli</i>	Ca_Kabuli_denovo	5529359	(C/T)
18117	CakSNP18117	<i>Kabuli</i>	Ca_Kabuli_denovo	5558990	(C/T)
18118	CakSNP18118	<i>Kabuli</i>	Ca_Kabuli_denovo	5559026	(C/A)
18119	CakSNP18119	<i>Kabuli</i>	Ca_Kabuli_denovo	5568535	(C/G)
18120	CakSNP18120	<i>Kabuli</i>	Ca_Kabuli_denovo	5582991	(A/T)
18121	CakSNP18121	<i>Kabuli</i>	Ca_Kabuli_denovo	5592088	(C/T)
18122	CakSNP18122	<i>Kabuli</i>	Ca_Kabuli_denovo	5592090	(G/T)
18123	CakSNP18123	<i>Kabuli</i>	Ca_Kabuli_denovo	5596926	(A/C)
18124	CakSNP18124	<i>Kabuli</i>	Ca_Kabuli_denovo	5681190	(A/T)
18125	CakSNP18125	<i>Kabuli</i>	Ca_Kabuli_denovo	5681191	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18126	CakSNP18126	<i>Kabuli</i>	Ca_Kabuli_denovo	5725564	(C/T)
18127	CakSNP18127	<i>Kabuli</i>	Ca_Kabuli_denovo	5725609	(G/A)
18128	CakSNP18128	<i>Kabuli</i>	Ca_Kabuli_denovo	5766882	(T/G)
18129	CakSNP18129	<i>Kabuli</i>	Ca_Kabuli_denovo	5766883	(T/A)
18130	CakSNP18130	<i>Kabuli</i>	Ca_Kabuli_denovo	5773213	(C/T)
18131	CakSNP18131	<i>Kabuli</i>	Ca_Kabuli_denovo	5781658	(C/G)
18132	CakSNP18132	<i>Kabuli</i>	Ca_Kabuli_denovo	5806886	(T/C)
18133	CakSNP18133	<i>Kabuli</i>	Ca_Kabuli_denovo	5816220	(A/C)
18134	CakSNP18134	<i>Kabuli</i>	Ca_Kabuli_denovo	5819283	(G/C)
18135	CakSNP18135	<i>Kabuli</i>	Ca_Kabuli_denovo	5848818	(T/A)
18136	CakSNP18136	<i>Kabuli</i>	Ca_Kabuli_denovo	5856817	(G/A)
18137	CakSNP18137	<i>Kabuli</i>	Ca_Kabuli_denovo	5863013	(C/A)
18138	CakSNP18138	<i>Kabuli</i>	Ca_Kabuli_denovo	5863024	(G/A)
18139	CakSNP18139	<i>Kabuli</i>	Ca_Kabuli_denovo	5864127	(G/A)
18140	CakSNP18140	<i>Kabuli</i>	Ca_Kabuli_denovo	5864153	(G/C)
18141	CakSNP18141	<i>Kabuli</i>	Ca_Kabuli_denovo	5873238	(C/A)
18142	CakSNP18142	<i>Kabuli</i>	Ca_Kabuli_denovo	5873308	(A/G)
18143	CakSNP18143	<i>Kabuli</i>	Ca_Kabuli_denovo	5879375	(G/T)
18144	CakSNP18144	<i>Kabuli</i>	Ca_Kabuli_denovo	5879387	(C/G)
18145	CakSNP18145	<i>Kabuli</i>	Ca_Kabuli_denovo	5879389	(C/A)
18146	CakSNP18146	<i>Kabuli</i>	Ca_Kabuli_denovo	5879418	(T/G)
18147	CakSNP18147	<i>Kabuli</i>	Ca_Kabuli_denovo	5879435	(C/A)
18148	CakSNP18148	<i>Kabuli</i>	Ca_Kabuli_denovo	5879445	(G/T)
18149	CakSNP18149	<i>Kabuli</i>	Ca_Kabuli_denovo	5879451	(C/A)
18150	CakSNP18150	<i>Kabuli</i>	Ca_Kabuli_denovo	5890893	(T/A)
18151	CakSNP18151	<i>Kabuli</i>	Ca_Kabuli_denovo	5890894	(G/A)
18152	CakSNP18152	<i>Kabuli</i>	Ca_Kabuli_denovo	5890895	(G/T)
18153	CakSNP18153	<i>Kabuli</i>	Ca_Kabuli_denovo	5890898	(C/T)
18154	CakSNP18154	<i>Kabuli</i>	Ca_Kabuli_denovo	5890899	(A/T)
18155	CakSNP18155	<i>Kabuli</i>	Ca_Kabuli_denovo	5919819	(C/G)
18156	CakSNP18156	<i>Kabuli</i>	Ca_Kabuli_denovo	5952126	(A/G)
18157	CakSNP18157	<i>Kabuli</i>	Ca_Kabuli_denovo	5952154	(A/C)
18158	CakSNP18158	<i>Kabuli</i>	Ca_Kabuli_denovo	5952171	(A/G)
18159	CakSNP18159	<i>Kabuli</i>	Ca_Kabuli_denovo	5963529	(G/A)
18160	CakSNP18160	<i>Kabuli</i>	Ca_Kabuli_denovo	5963530	(T/A)
18161	CakSNP18161	<i>Kabuli</i>	Ca_Kabuli_denovo	5963531	(T/C)
18162	CakSNP18162	<i>Kabuli</i>	Ca_Kabuli_denovo	5963533	(G/A)
18163	CakSNP18163	<i>Kabuli</i>	Ca_Kabuli_denovo	5971199	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18164	CakSNP18164	<i>Kabuli</i>	Ca_Kabuli_denovo	6010227	(T/A)
18165	CakSNP18165	<i>Kabuli</i>	Ca_Kabuli_denovo	6010251	(T/G)
18166	CakSNP18166	<i>Kabuli</i>	Ca_Kabuli_denovo	6010287	(G/T)
18167	CakSNP18167	<i>Kabuli</i>	Ca_Kabuli_denovo	6010311	(A/G)
18168	CakSNP18168	<i>Kabuli</i>	Ca_Kabuli_denovo	6010573	(G/A)
18169	CakSNP18169	<i>Kabuli</i>	Ca_Kabuli_denovo	6012251	(A/C)
18170	CakSNP18170	<i>Kabuli</i>	Ca_Kabuli_denovo	6014521	(C/T)
18171	CakSNP18171	<i>Kabuli</i>	Ca_Kabuli_denovo	6014733	(T/G)
18172	CakSNP18172	<i>Kabuli</i>	Ca_Kabuli_denovo	6014753	(T/G)
18173	CakSNP18173	<i>Kabuli</i>	Ca_Kabuli_denovo	6014754	(T/A)
18174	CakSNP18174	<i>Kabuli</i>	Ca_Kabuli_denovo	6014921	(A/C)
18175	CakSNP18175	<i>Kabuli</i>	Ca_Kabuli_denovo	6017294	(G/T)
18176	CakSNP18176	<i>Kabuli</i>	Ca_Kabuli_denovo	6017306	(T/G)
18177	CakSNP18177	<i>Kabuli</i>	Ca_Kabuli_denovo	6017326	(C/G)
18178	CakSNP18178	<i>Kabuli</i>	Ca_Kabuli_denovo	6017328	(T/G)
18179	CakSNP18179	<i>Kabuli</i>	Ca_Kabuli_denovo	6017335	(A/G)
18180	CakSNP18180	<i>Kabuli</i>	Ca_Kabuli_denovo	6017341	(A/G)
18181	CakSNP18181	<i>Kabuli</i>	Ca_Kabuli_denovo	6017344	(C/A)
18182	CakSNP18182	<i>Kabuli</i>	Ca_Kabuli_denovo	6017345	(C/G)
18183	CakSNP18183	<i>Kabuli</i>	Ca_Kabuli_denovo	6017348	(T/G)
18184	CakSNP18184	<i>Kabuli</i>	Ca_Kabuli_denovo	6034062	(T/C)
18185	CakSNP18185	<i>Kabuli</i>	Ca_Kabuli_denovo	6034071	(A/G)
18186	CakSNP18186	<i>Kabuli</i>	Ca_Kabuli_denovo	6043616	(A/G)
18187	CakSNP18187	<i>Kabuli</i>	Ca_Kabuli_denovo	6043627	(G/T)
18188	CakSNP18188	<i>Kabuli</i>	Ca_Kabuli_denovo	6047989	(T/G)
18189	CakSNP18189	<i>Kabuli</i>	Ca_Kabuli_denovo	6051272	(T/C)
18190	CakSNP18190	<i>Kabuli</i>	Ca_Kabuli_denovo	6057777	(G/A)
18191	CakSNP18191	<i>Kabuli</i>	Ca_Kabuli_denovo	6059536	(A/G)
18192	CakSNP18192	<i>Kabuli</i>	Ca_Kabuli_denovo	6059551	(A/G)
18193	CakSNP18193	<i>Kabuli</i>	Ca_Kabuli_denovo	6059588	(A/C)
18194	CakSNP18194	<i>Kabuli</i>	Ca_Kabuli_denovo	6098413	(G/A)
18195	CakSNP18195	<i>Kabuli</i>	Ca_Kabuli_denovo	6103875	(G/A)
18196	CakSNP18196	<i>Kabuli</i>	Ca_Kabuli_denovo	6117175	(C/A)
18197	CakSNP18197	<i>Kabuli</i>	Ca_Kabuli_denovo	6117188	(C/A)
18198	CakSNP18198	<i>Kabuli</i>	Ca_Kabuli_denovo	6117213	(C/G)
18199	CakSNP18199	<i>Kabuli</i>	Ca_Kabuli_denovo	6117215	(A/G)
18200	CakSNP18200	<i>Kabuli</i>	Ca_Kabuli_denovo	6165667	(T/C)
18201	CakSNP18201	<i>Kabuli</i>	Ca_Kabuli_denovo	6182275	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18202	CakSNP18202	<i>Kabuli</i>	Ca_Kabuli_denovo	6182281	(G/C)
18203	CakSNP18203	<i>Kabuli</i>	Ca_Kabuli_denovo	6190775	(T/C)
18204	CakSNP18204	<i>Kabuli</i>	Ca_Kabuli_denovo	6191143	(G/C)
18205	CakSNP18205	<i>Kabuli</i>	Ca_Kabuli_denovo	6191170	(G/A)
18206	CakSNP18206	<i>Kabuli</i>	Ca_Kabuli_denovo	6237722	(G/A)
18207	CakSNP18207	<i>Kabuli</i>	Ca_Kabuli_denovo	6258541	(C/G)
18208	CakSNP18208	<i>Kabuli</i>	Ca_Kabuli_denovo	6264608	(C/T)
18209	CakSNP18209	<i>Kabuli</i>	Ca_Kabuli_denovo	6300610	(A/G)
18210	CakSNP18210	<i>Kabuli</i>	Ca_Kabuli_denovo	6300657	(T/C)
18211	CakSNP18211	<i>Kabuli</i>	Ca_Kabuli_denovo	6310736	(G/C)
18212	CakSNP18212	<i>Kabuli</i>	Ca_Kabuli_denovo	6310744	(T/C)
18213	CakSNP18213	<i>Kabuli</i>	Ca_Kabuli_denovo	6321154	(G/A)
18214	CakSNP18214	<i>Kabuli</i>	Ca_Kabuli_denovo	6355193	(T/G)
18215	CakSNP18215	<i>Kabuli</i>	Ca_Kabuli_denovo	6368181	(G/A)
18216	CakSNP18216	<i>Kabuli</i>	Ca_Kabuli_denovo	6377203	(C/G)
18217	CakSNP18217	<i>Kabuli</i>	Ca_Kabuli_denovo	6399060	(G/A)
18218	CakSNP18218	<i>Kabuli</i>	Ca_Kabuli_denovo	6402317	(G/C)
18219	CakSNP18219	<i>Kabuli</i>	Ca_Kabuli_denovo	6402384	(C/T)
18220	CakSNP18220	<i>Kabuli</i>	Ca_Kabuli_denovo	6402397	(A/C)
18221	CakSNP18221	<i>Kabuli</i>	Ca_Kabuli_denovo	6409872	(T/A)
18222	CakSNP18222	<i>Kabuli</i>	Ca_Kabuli_denovo	6411767	(C/G)
18223	CakSNP18223	<i>Kabuli</i>	Ca_Kabuli_denovo	6411770	(C/T)
18224	CakSNP18224	<i>Kabuli</i>	Ca_Kabuli_denovo	6419754	(G/A)
18225	CakSNP18225	<i>Kabuli</i>	Ca_Kabuli_denovo	6427894	(T/C)
18226	CakSNP18226	<i>Kabuli</i>	Ca_Kabuli_denovo	6462028	(C/T)
18227	CakSNP18227	<i>Kabuli</i>	Ca_Kabuli_denovo	6475346	(G/A)
18228	CakSNP18228	<i>Kabuli</i>	Ca_Kabuli_denovo	6475348	(T/C)
18229	CakSNP18229	<i>Kabuli</i>	Ca_Kabuli_denovo	6480559	(A/G)
18230	CakSNP18230	<i>Kabuli</i>	Ca_Kabuli_denovo	6480580	(C/G)
18231	CakSNP18231	<i>Kabuli</i>	Ca_Kabuli_denovo	6486758	(G/A)
18232	CakSNP18232	<i>Kabuli</i>	Ca_Kabuli_denovo	6486782	(C/T)
18233	CakSNP18233	<i>Kabuli</i>	Ca_Kabuli_denovo	6526925	(A/C)
18234	CakSNP18234	<i>Kabuli</i>	Ca_Kabuli_denovo	6531409	(T/C)
18235	CakSNP18235	<i>Kabuli</i>	Ca_Kabuli_denovo	6545167	(G/C)
18236	CakSNP18236	<i>Kabuli</i>	Ca_Kabuli_denovo	6545175	(A/G)
18237	CakSNP18237	<i>Kabuli</i>	Ca_Kabuli_denovo	6552139	(C/T)
18238	CakSNP18238	<i>Kabuli</i>	Ca_Kabuli_denovo	6552142	(G/T)
18239	CakSNP18239	<i>Kabuli</i>	Ca_Kabuli_denovo	6552157	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18240	CakSNP18240	<i>Kabuli</i>	Ca_Kabuli_denovo	6552161	(T/A)
18241	CakSNP18241	<i>Kabuli</i>	Ca_Kabuli_denovo	6559984	(C/T)
18242	CakSNP18242	<i>Kabuli</i>	Ca_Kabuli_denovo	6559996	(G/A)
18243	CakSNP18243	<i>Kabuli</i>	Ca_Kabuli_denovo	6560006	(A/G)
18244	CakSNP18244	<i>Kabuli</i>	Ca_Kabuli_denovo	6565348	(T/C)
18245	CakSNP18245	<i>Kabuli</i>	Ca_Kabuli_denovo	6581608	(A/C)
18246	CakSNP18246	<i>Kabuli</i>	Ca_Kabuli_denovo	6583973	(T/G)
18247	CakSNP18247	<i>Kabuli</i>	Ca_Kabuli_denovo	6590097	(C/T)
18248	CakSNP18248	<i>Kabuli</i>	Ca_Kabuli_denovo	6590129	(G/A)
18249	CakSNP18249	<i>Kabuli</i>	Ca_Kabuli_denovo	6590156	(T/G)
18250	CakSNP18250	<i>Kabuli</i>	Ca_Kabuli_denovo	6599573	(A/G)
18251	CakSNP18251	<i>Kabuli</i>	Ca_Kabuli_denovo	6612721	(A/G)
18252	CakSNP18252	<i>Kabuli</i>	Ca_Kabuli_denovo	6663521	(C/G)
18253	CakSNP18253	<i>Kabuli</i>	Ca_Kabuli_denovo	6663527	(G/A)
18254	CakSNP18254	<i>Kabuli</i>	Ca_Kabuli_denovo	6688010	(C/G)
18255	CakSNP18255	<i>Kabuli</i>	Ca_Kabuli_denovo	6706345	(A/G)
18256	CakSNP18256	<i>Kabuli</i>	Ca_Kabuli_denovo	6707272	(T/C)
18257	CakSNP18257	<i>Kabuli</i>	Ca_Kabuli_denovo	6711061	(A/G)
18258	CakSNP18258	<i>Kabuli</i>	Ca_Kabuli_denovo	6712133	(C/G)
18259	CakSNP18259	<i>Kabuli</i>	Ca_Kabuli_denovo	6712135	(G/C)
18260	CakSNP18260	<i>Kabuli</i>	Ca_Kabuli_denovo	6712138	(C/A)
18261	CakSNP18261	<i>Kabuli</i>	Ca_Kabuli_denovo	6712141	(A/T)
18262	CakSNP18262	<i>Kabuli</i>	Ca_Kabuli_denovo	6712146	(G/T)
18263	CakSNP18263	<i>Kabuli</i>	Ca_Kabuli_denovo	6712147	(T/G)
18264	CakSNP18264	<i>Kabuli</i>	Ca_Kabuli_denovo	6720667	(A/G)
18265	CakSNP18265	<i>Kabuli</i>	Ca_Kabuli_denovo	6785596	(T/A)
18266	CakSNP18266	<i>Kabuli</i>	Ca_Kabuli_denovo	6791052	(C/A)
18267	CakSNP18267	<i>Kabuli</i>	Ca_Kabuli_denovo	6791071	(A/C)
18268	CakSNP18268	<i>Kabuli</i>	Ca_Kabuli_denovo	6800910	(A/T)
18269	CakSNP18269	<i>Kabuli</i>	Ca_Kabuli_denovo	6800913	(A/G)
18270	CakSNP18270	<i>Kabuli</i>	Ca_Kabuli_denovo	6800915	(G/A)
18271	CakSNP18271	<i>Kabuli</i>	Ca_Kabuli_denovo	6800927	(G/C)
18272	CakSNP18272	<i>Kabuli</i>	Ca_Kabuli_denovo	6800944	(G/C)
18273	CakSNP18273	<i>Kabuli</i>	Ca_Kabuli_denovo	6800949	(T/C)
18274	CakSNP18274	<i>Kabuli</i>	Ca_Kabuli_denovo	6811156	(G/T)
18275	CakSNP18275	<i>Kabuli</i>	Ca_Kabuli_denovo	6811456	(A/T)
18276	CakSNP18276	<i>Kabuli</i>	Ca_Kabuli_denovo	6811472	(A/T)
18277	CakSNP18277	<i>Kabuli</i>	Ca_Kabuli_denovo	6813703	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18278	CakSNP18278	<i>Kabuli</i>	Ca_Kabuli_denovo	6861843	(T/C)
18279	CakSNP18279	<i>Kabuli</i>	Ca_Kabuli_denovo	6861855	(G/A)
18280	CakSNP18280	<i>Kabuli</i>	Ca_Kabuli_denovo	6869394	(T/C)
18281	CakSNP18281	<i>Kabuli</i>	Ca_Kabuli_denovo	6870117	(C/T)
18282	CakSNP18282	<i>Kabuli</i>	Ca_Kabuli_denovo	6870139	(G/A)
18283	CakSNP18283	<i>Kabuli</i>	Ca_Kabuli_denovo	6873819	(A/T)
18284	CakSNP18284	<i>Kabuli</i>	Ca_Kabuli_denovo	6873823	(T/G)
18285	CakSNP18285	<i>Kabuli</i>	Ca_Kabuli_denovo	6873825	(T/C)
18286	CakSNP18286	<i>Kabuli</i>	Ca_Kabuli_denovo	6873826	(C/T)
18287	CakSNP18287	<i>Kabuli</i>	Ca_Kabuli_denovo	6874179	(C/A)
18288	CakSNP18288	<i>Kabuli</i>	Ca_Kabuli_denovo	6874189	(G/T)
18289	CakSNP18289	<i>Kabuli</i>	Ca_Kabuli_denovo	6877071	(G/A)
18290	CakSNP18290	<i>Kabuli</i>	Ca_Kabuli_denovo	6882102	(C/G)
18291	CakSNP18291	<i>Kabuli</i>	Ca_Kabuli_denovo	6882109	(T/C)
18292	CakSNP18292	<i>Kabuli</i>	Ca_Kabuli_denovo	6882113	(T/A)
18293	CakSNP18293	<i>Kabuli</i>	Ca_Kabuli_denovo	6882804	(T/A)
18294	CakSNP18294	<i>Kabuli</i>	Ca_Kabuli_denovo	6894538	(C/G)
18295	CakSNP18295	<i>Kabuli</i>	Ca_Kabuli_denovo	6894541	(A/G)
18296	CakSNP18296	<i>Kabuli</i>	Ca_Kabuli_denovo	6894542	(C/A)
18297	CakSNP18297	<i>Kabuli</i>	Ca_Kabuli_denovo	6898197	(A/G)
18298	CakSNP18298	<i>Kabuli</i>	Ca_Kabuli_denovo	6907485	(T/A)
18299	CakSNP18299	<i>Kabuli</i>	Ca_Kabuli_denovo	6907494	(A/G)
18300	CakSNP18300	<i>Kabuli</i>	Ca_Kabuli_denovo	6916345	(C/G)
18301	CakSNP18301	<i>Kabuli</i>	Ca_Kabuli_denovo	6916346	(T/A)
18302	CakSNP18302	<i>Kabuli</i>	Ca_Kabuli_denovo	6916357	(C/T)
18303	CakSNP18303	<i>Kabuli</i>	Ca_Kabuli_denovo	6916359	(T/C)
18304	CakSNP18304	<i>Kabuli</i>	Ca_Kabuli_denovo	6918579	(A/G)
18305	CakSNP18305	<i>Kabuli</i>	Ca_Kabuli_denovo	6918593	(C/G)
18306	CakSNP18306	<i>Kabuli</i>	Ca_Kabuli_denovo	6923821	(A/T)
18307	CakSNP18307	<i>Kabuli</i>	Ca_Kabuli_denovo	6929548	(A/T)
18308	CakSNP18308	<i>Kabuli</i>	Ca_Kabuli_denovo	6939673	(G/A)
18309	CakSNP18309	<i>Kabuli</i>	Ca_Kabuli_denovo	6939691	(A/T)
18310	CakSNP18310	<i>Kabuli</i>	Ca_Kabuli_denovo	6944977	(A/C)
18311	CakSNP18311	<i>Kabuli</i>	Ca_Kabuli_denovo	6945035	(C/G)
18312	CakSNP18312	<i>Kabuli</i>	Ca_Kabuli_denovo	6945036	(A/G)
18313	CakSNP18313	<i>Kabuli</i>	Ca_Kabuli_denovo	6956695	(C/T)
18314	CakSNP18314	<i>Kabuli</i>	Ca_Kabuli_denovo	6956707	(A/G)
18315	CakSNP18315	<i>Kabuli</i>	Ca_Kabuli_denovo	6959682	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18316	CakSNP18316	<i>Kabuli</i>	Ca_Kabuli_denovo	6959727	(T/C)
18317	CakSNP18317	<i>Kabuli</i>	Ca_Kabuli_denovo	6960786	(G/A)
18318	CakSNP18318	<i>Kabuli</i>	Ca_Kabuli_denovo	6960796	(C/A)
18319	CakSNP18319	<i>Kabuli</i>	Ca_Kabuli_denovo	6960820	(C/G)
18320	CakSNP18320	<i>Kabuli</i>	Ca_Kabuli_denovo	6975387	(A/G)
18321	CakSNP18321	<i>Kabuli</i>	Ca_Kabuli_denovo	6975388	(T/A)
18322	CakSNP18322	<i>Kabuli</i>	Ca_Kabuli_denovo	6975430	(T/C)
18323	CakSNP18323	<i>Kabuli</i>	Ca_Kabuli_denovo	6975851	(T/C)
18324	CakSNP18324	<i>Kabuli</i>	Ca_Kabuli_denovo	6975869	(C/G)
18325	CakSNP18325	<i>Kabuli</i>	Ca_Kabuli_denovo	6976418	(C/G)
18326	CakSNP18326	<i>Kabuli</i>	Ca_Kabuli_denovo	6976441	(T/C)
18327	CakSNP18327	<i>Kabuli</i>	Ca_Kabuli_denovo	6985651	(T/C)
18328	CakSNP18328	<i>Kabuli</i>	Ca_Kabuli_denovo	6998248	(A/G)
18329	CakSNP18329	<i>Kabuli</i>	Ca_Kabuli_denovo	6998250	(C/A)
18330	CakSNP18330	<i>Kabuli</i>	Ca_Kabuli_denovo	7000764	(A/T)
18331	CakSNP18331	<i>Kabuli</i>	Ca_Kabuli_denovo	7012691	(A/G)
18332	CakSNP18332	<i>Kabuli</i>	Ca_Kabuli_denovo	7017046	(T/C)
18333	CakSNP18333	<i>Kabuli</i>	Ca_Kabuli_denovo	7017051	(A/G)
18334	CakSNP18334	<i>Kabuli</i>	Ca_Kabuli_denovo	7017052	(T/C)
18335	CakSNP18335	<i>Kabuli</i>	Ca_Kabuli_denovo	7017053	(A/C)
18336	CakSNP18336	<i>Kabuli</i>	Ca_Kabuli_denovo	7017058	(G/C)
18337	CakSNP18337	<i>Kabuli</i>	Ca_Kabuli_denovo	7017061	(A/T)
18338	CakSNP18338	<i>Kabuli</i>	Ca_Kabuli_denovo	7017065	(T/C)
18339	CakSNP18339	<i>Kabuli</i>	Ca_Kabuli_denovo	7017071	(C/T)
18340	CakSNP18340	<i>Kabuli</i>	Ca_Kabuli_denovo	7017079	(C/G)
18341	CakSNP18341	<i>Kabuli</i>	Ca_Kabuli_denovo	7017080	(A/G)
18342	CakSNP18342	<i>Kabuli</i>	Ca_Kabuli_denovo	7017081	(G/T)
18343	CakSNP18343	<i>Kabuli</i>	Ca_Kabuli_denovo	7069247	(G/A)
18344	CakSNP18344	<i>Kabuli</i>	Ca_Kabuli_denovo	7069273	(C/T)
18345	CakSNP18345	<i>Kabuli</i>	Ca_Kabuli_denovo	7069930	(G/C)
18346	CakSNP18346	<i>Kabuli</i>	Ca_Kabuli_denovo	7070108	(A/G)
18347	CakSNP18347	<i>Kabuli</i>	Ca_Kabuli_denovo	7070110	(G/A)
18348	CakSNP18348	<i>Kabuli</i>	Ca_Kabuli_denovo	7070111	(A/G)
18349	CakSNP18349	<i>Kabuli</i>	Ca_Kabuli_denovo	7070113	(C/G)
18350	CakSNP18350	<i>Kabuli</i>	Ca_Kabuli_denovo	7070115	(T/G)
18351	CakSNP18351	<i>Kabuli</i>	Ca_Kabuli_denovo	7070117	(C/T)
18352	CakSNP18352	<i>Kabuli</i>	Ca_Kabuli_denovo	7086244	(A/G)
18353	CakSNP18353	<i>Kabuli</i>	Ca_Kabuli_denovo	7103380	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18354	CakSNP18354	<i>Kabuli</i>	Ca_Kabuli_denovo	7127589	(G/A)
18355	CakSNP18355	<i>Kabuli</i>	Ca_Kabuli_denovo	7131343	(G/A)
18356	CakSNP18356	<i>Kabuli</i>	Ca_Kabuli_denovo	7141293	(A/G)
18357	CakSNP18357	<i>Kabuli</i>	Ca_Kabuli_denovo	7141324	(A/G)
18358	CakSNP18358	<i>Kabuli</i>	Ca_Kabuli_denovo	7143296	(G/A)
18359	CakSNP18359	<i>Kabuli</i>	Ca_Kabuli_denovo	7143640	(G/A)
18360	CakSNP18360	<i>Kabuli</i>	Ca_Kabuli_denovo	7143649	(G/A)
18361	CakSNP18361	<i>Kabuli</i>	Ca_Kabuli_denovo	7143693	(T/C)
18362	CakSNP18362	<i>Kabuli</i>	Ca_Kabuli_denovo	7146142	(C/T)
18363	CakSNP18363	<i>Kabuli</i>	Ca_Kabuli_denovo	7146173	(C/T)
18364	CakSNP18364	<i>Kabuli</i>	Ca_Kabuli_denovo	7149196	(C/T)
18365	CakSNP18365	<i>Kabuli</i>	Ca_Kabuli_denovo	7152489	(C/T)
18366	CakSNP18366	<i>Kabuli</i>	Ca_Kabuli_denovo	7183627	(A/G)
18367	CakSNP18367	<i>Kabuli</i>	Ca_Kabuli_denovo	7191526	(C/T)
18368	CakSNP18368	<i>Kabuli</i>	Ca_Kabuli_denovo	7246580	(C/T)
18369	CakSNP18369	<i>Kabuli</i>	Ca_Kabuli_denovo	7254020	(C/G)
18370	CakSNP18370	<i>Kabuli</i>	Ca_Kabuli_denovo	7254039	(T/C)
18371	CakSNP18371	<i>Kabuli</i>	Ca_Kabuli_denovo	7257747	(G/C)
18372	CakSNP18372	<i>Kabuli</i>	Ca_Kabuli_denovo	7267238	(C/T)
18373	CakSNP18373	<i>Kabuli</i>	Ca_Kabuli_denovo	7267256	(C/A)
18374	CakSNP18374	<i>Kabuli</i>	Ca_Kabuli_denovo	7267260	(A/T)
18375	CakSNP18375	<i>Kabuli</i>	Ca_Kabuli_denovo	7311958	(G/A)
18376	CakSNP18376	<i>Kabuli</i>	Ca_Kabuli_denovo	7328061	(A/G)
18377	CakSNP18377	<i>Kabuli</i>	Ca_Kabuli_denovo	7344433	(T/A)
18378	CakSNP18378	<i>Kabuli</i>	Ca_Kabuli_denovo	7369005	(G/A)
18379	CakSNP18379	<i>Kabuli</i>	Ca_Kabuli_denovo	7375018	(T/C)
18380	CakSNP18380	<i>Kabuli</i>	Ca_Kabuli_denovo	7382267	(T/C)
18381	CakSNP18381	<i>Kabuli</i>	Ca_Kabuli_denovo	7382310	(G/T)
18382	CakSNP18382	<i>Kabuli</i>	Ca_Kabuli_denovo	7391587	(C/G)
18383	CakSNP18383	<i>Kabuli</i>	Ca_Kabuli_denovo	7391613	(T/G)
18384	CakSNP18384	<i>Kabuli</i>	Ca_Kabuli_denovo	7391949	(C/T)
18385	CakSNP18385	<i>Kabuli</i>	Ca_Kabuli_denovo	7401051	(C/G)
18386	CakSNP18386	<i>Kabuli</i>	Ca_Kabuli_denovo	7401054	(G/T)
18387	CakSNP18387	<i>Kabuli</i>	Ca_Kabuli_denovo	7401077	(A/G)
18388	CakSNP18388	<i>Kabuli</i>	Ca_Kabuli_denovo	7401092	(G/A)
18389	CakSNP18389	<i>Kabuli</i>	Ca_Kabuli_denovo	7401100	(A/G)
18390	CakSNP18390	<i>Kabuli</i>	Ca_Kabuli_denovo	7401103	(C/T)
18391	CakSNP18391	<i>Kabuli</i>	Ca_Kabuli_denovo	7401244	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18392	CakSNP18392	<i>Kabuli</i>	Ca_Kabuli_denovo	7416312	(C/T)
18393	CakSNP18393	<i>Kabuli</i>	Ca_Kabuli_denovo	7416345	(A/G)
18394	CakSNP18394	<i>Kabuli</i>	Ca_Kabuli_denovo	7427788	(G/A)
18395	CakSNP18395	<i>Kabuli</i>	Ca_Kabuli_denovo	7430435	(C/T)
18396	CakSNP18396	<i>Kabuli</i>	Ca_Kabuli_denovo	7430455	(A/T)
18397	CakSNP18397	<i>Kabuli</i>	Ca_Kabuli_denovo	7430464	(A/G)
18398	CakSNP18398	<i>Kabuli</i>	Ca_Kabuli_denovo	7452895	(C/G)
18399	CakSNP18399	<i>Kabuli</i>	Ca_Kabuli_denovo	7467529	(G/T)
18400	CakSNP18400	<i>Kabuli</i>	Ca_Kabuli_denovo	7470943	(T/G)
18401	CakSNP18401	<i>Kabuli</i>	Ca_Kabuli_denovo	7473234	(A/G)
18402	CakSNP18402	<i>Kabuli</i>	Ca_Kabuli_denovo	7477213	(G/A)
18403	CakSNP18403	<i>Kabuli</i>	Ca_Kabuli_denovo	7477273	(A/G)
18404	CakSNP18404	<i>Kabuli</i>	Ca_Kabuli_denovo	7477350	(C/T)
18405	CakSNP18405	<i>Kabuli</i>	Ca_Kabuli_denovo	7480213	(C/G)
18406	CakSNP18406	<i>Kabuli</i>	Ca_Kabuli_denovo	7480219	(C/T)
18407	CakSNP18407	<i>Kabuli</i>	Ca_Kabuli_denovo	7482161	(T/G)
18408	CakSNP18408	<i>Kabuli</i>	Ca_Kabuli_denovo	7494282	(T/A)
18409	CakSNP18409	<i>Kabuli</i>	Ca_Kabuli_denovo	7496672	(C/G)
18410	CakSNP18410	<i>Kabuli</i>	Ca_Kabuli_denovo	7496846	(A/G)
18411	CakSNP18411	<i>Kabuli</i>	Ca_Kabuli_denovo	7496849	(C/G)
18412	CakSNP18412	<i>Kabuli</i>	Ca_Kabuli_denovo	7500180	(G/A)
18413	CakSNP18413	<i>Kabuli</i>	Ca_Kabuli_denovo	7503626	(G/A)
18414	CakSNP18414	<i>Kabuli</i>	Ca_Kabuli_denovo	7504369	(C/G)
18415	CakSNP18415	<i>Kabuli</i>	Ca_Kabuli_denovo	7508116	(T/C)
18416	CakSNP18416	<i>Kabuli</i>	Ca_Kabuli_denovo	7511720	(C/G)
18417	CakSNP18417	<i>Kabuli</i>	Ca_Kabuli_denovo	7511741	(G/A)
18418	CakSNP18418	<i>Kabuli</i>	Ca_Kabuli_denovo	7511744	(G/C)
18419	CakSNP18419	<i>Kabuli</i>	Ca_Kabuli_denovo	7516002	(A/G)
18420	CakSNP18420	<i>Kabuli</i>	Ca_Kabuli_denovo	7516053	(G/A)
18421	CakSNP18421	<i>Kabuli</i>	Ca_Kabuli_denovo	7516067	(T/C)
18422	CakSNP18422	<i>Kabuli</i>	Ca_Kabuli_denovo	7518038	(A/G)
18423	CakSNP18423	<i>Kabuli</i>	Ca_Kabuli_denovo	7518231	(C/T)
18424	CakSNP18424	<i>Kabuli</i>	Ca_Kabuli_denovo	7519248	(G/A)
18425	CakSNP18425	<i>Kabuli</i>	Ca_Kabuli_denovo	7520456	(A/G)
18426	CakSNP18426	<i>Kabuli</i>	Ca_Kabuli_denovo	7520467	(T/C)
18427	CakSNP18427	<i>Kabuli</i>	Ca_Kabuli_denovo	7522835	(G/A)
18428	CakSNP18428	<i>Kabuli</i>	Ca_Kabuli_denovo	7532746	(T/C)
18429	CakSNP18429	<i>Kabuli</i>	Ca_Kabuli_denovo	7534604	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18430	CakSNP18430	<i>Kabuli</i>	Ca_Kabuli_denovo	7537117	(G/A)
18431	CakSNP18431	<i>Kabuli</i>	Ca_Kabuli_denovo	7537138	(C/T)
18432	CakSNP18432	<i>Kabuli</i>	Ca_Kabuli_denovo	7539822	(C/T)
18433	CakSNP18433	<i>Kabuli</i>	Ca_Kabuli_denovo	7539825	(C/G)
18434	CakSNP18434	<i>Kabuli</i>	Ca_Kabuli_denovo	7546313	(A/G)
18435	CakSNP18435	<i>Kabuli</i>	Ca_Kabuli_denovo	7548311	(A/G)
18436	CakSNP18436	<i>Kabuli</i>	Ca_Kabuli_denovo	7549471	(T/C)
18437	CakSNP18437	<i>Kabuli</i>	Ca_Kabuli_denovo	7549507	(T/G)
18438	CakSNP18438	<i>Kabuli</i>	Ca_Kabuli_denovo	7553420	(A/G)
18439	CakSNP18439	<i>Kabuli</i>	Ca_Kabuli_denovo	7557108	(C/G)
18440	CakSNP18440	<i>Kabuli</i>	Ca_Kabuli_denovo	7557111	(G/C)
18441	CakSNP18441	<i>Kabuli</i>	Ca_Kabuli_denovo	7563251	(A/G)
18442	CakSNP18442	<i>Kabuli</i>	Ca_Kabuli_denovo	7563332	(C/G)
18443	CakSNP18443	<i>Kabuli</i>	Ca_Kabuli_denovo	7569104	(T/A)
18444	CakSNP18444	<i>Kabuli</i>	Ca_Kabuli_denovo	7569136	(A/C)
18445	CakSNP18445	<i>Kabuli</i>	Ca_Kabuli_denovo	7571356	(C/G)
18446	CakSNP18446	<i>Kabuli</i>	Ca_Kabuli_denovo	7581291	(T/C)
18447	CakSNP18447	<i>Kabuli</i>	Ca_Kabuli_denovo	7583443	(T/G)
18448	CakSNP18448	<i>Kabuli</i>	Ca_Kabuli_denovo	7586717	(T/C)
18449	CakSNP18449	<i>Kabuli</i>	Ca_Kabuli_denovo	7587722	(T/G)
18450	CakSNP18450	<i>Kabuli</i>	Ca_Kabuli_denovo	7590523	(A/G)
18451	CakSNP18451	<i>Kabuli</i>	Ca_Kabuli_denovo	7597523	(G/A)
18452	CakSNP18452	<i>Kabuli</i>	Ca_Kabuli_denovo	7597543	(G/T)
18453	CakSNP18453	<i>Kabuli</i>	Ca_Kabuli_denovo	7599351	(A/G)
18454	CakSNP18454	<i>Kabuli</i>	Ca_Kabuli_denovo	7599355	(G/A)
18455	CakSNP18455	<i>Kabuli</i>	Ca_Kabuli_denovo	7607382	(C/T)
18456	CakSNP18456	<i>Kabuli</i>	Ca_Kabuli_denovo	7619139	(G/A)
18457	CakSNP18457	<i>Kabuli</i>	Ca_Kabuli_denovo	7619163	(G/A)
18458	CakSNP18458	<i>Kabuli</i>	Ca_Kabuli_denovo	7621274	(A/G)
18459	CakSNP18459	<i>Kabuli</i>	Ca_Kabuli_denovo	7621346	(T/C)
18460	CakSNP18460	<i>Kabuli</i>	Ca_Kabuli_denovo	7632661	(A/G)
18461	CakSNP18461	<i>Kabuli</i>	Ca_Kabuli_denovo	7632682	(C/T)
18462	CakSNP18462	<i>Kabuli</i>	Ca_Kabuli_denovo	7634464	(G/A)
18463	CakSNP18463	<i>Kabuli</i>	Ca_Kabuli_denovo	7638848	(C/G)
18464	CakSNP18464	<i>Kabuli</i>	Ca_Kabuli_denovo	7638917	(A/C)
18465	CakSNP18465	<i>Kabuli</i>	Ca_Kabuli_denovo	7642288	(A/G)
18466	CakSNP18466	<i>Kabuli</i>	Ca_Kabuli_denovo	7644157	(G/A)
18467	CakSNP18467	<i>Kabuli</i>	Ca_Kabuli_denovo	7644247	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18468	CakSNP18468	<i>Kabuli</i>	Ca_Kabuli_denovo	7644265	(C/T)
18469	CakSNP18469	<i>Kabuli</i>	Ca_Kabuli_denovo	7644275	(G/A)
18470	CakSNP18470	<i>Kabuli</i>	Ca_Kabuli_denovo	7644306	(G/A)
18471	CakSNP18471	<i>Kabuli</i>	Ca_Kabuli_denovo	7647077	(G/A)
18472	CakSNP18472	<i>Kabuli</i>	Ca_Kabuli_denovo	7659948	(T/A)
18473	CakSNP18473	<i>Kabuli</i>	Ca_Kabuli_denovo	7660004	(A/G)
18474	CakSNP18474	<i>Kabuli</i>	Ca_Kabuli_denovo	7661617	(G/T)
18475	CakSNP18475	<i>Kabuli</i>	Ca_Kabuli_denovo	7662572	(C/G)
18476	CakSNP18476	<i>Kabuli</i>	Ca_Kabuli_denovo	7662608	(A/G)
18477	CakSNP18477	<i>Kabuli</i>	Ca_Kabuli_denovo	7663940	(A/C)
18478	CakSNP18478	<i>Kabuli</i>	Ca_Kabuli_denovo	7663942	(A/G)
18479	CakSNP18479	<i>Kabuli</i>	Ca_Kabuli_denovo	7665276	(G/A)
18480	CakSNP18480	<i>Kabuli</i>	Ca_Kabuli_denovo	7668261	(C/T)
18481	CakSNP18481	<i>Kabuli</i>	Ca_Kabuli_denovo	7668301	(T/C)
18482	CakSNP18482	<i>Kabuli</i>	Ca_Kabuli_denovo	7671493	(C/T)
18483	CakSNP18483	<i>Kabuli</i>	Ca_Kabuli_denovo	7671508	(T/C)
18484	CakSNP18484	<i>Kabuli</i>	Ca_Kabuli_denovo	7674683	(A/C)
18485	CakSNP18485	<i>Kabuli</i>	Ca_Kabuli_denovo	7679874	(G/C)
18486	CakSNP18486	<i>Kabuli</i>	Ca_Kabuli_denovo	7681981	(G/T)
18487	CakSNP18487	<i>Kabuli</i>	Ca_Kabuli_denovo	7686913	(A/C)
18488	CakSNP18488	<i>Kabuli</i>	Ca_Kabuli_denovo	7686915	(G/A)
18489	CakSNP18489	<i>Kabuli</i>	Ca_Kabuli_denovo	7689434	(G/A)
18490	CakSNP18490	<i>Kabuli</i>	Ca_Kabuli_denovo	7689491	(G/A)
18491	CakSNP18491	<i>Kabuli</i>	Ca_Kabuli_denovo	7694767	(C/T)
18492	CakSNP18492	<i>Kabuli</i>	Ca_Kabuli_denovo	7694773	(T/C)
18493	CakSNP18493	<i>Kabuli</i>	Ca_Kabuli_denovo	7696282	(C/T)
18494	CakSNP18494	<i>Kabuli</i>	Ca_Kabuli_denovo	7698789	(G/C)
18495	CakSNP18495	<i>Kabuli</i>	Ca_Kabuli_denovo	7707323	(G/A)
18496	CakSNP18496	<i>Kabuli</i>	Ca_Kabuli_denovo	7713250	(C/T)
18497	CakSNP18497	<i>Kabuli</i>	Ca_Kabuli_denovo	7713283	(C/A)
18498	CakSNP18498	<i>Kabuli</i>	Ca_Kabuli_denovo	7714197	(A/G)
18499	CakSNP18499	<i>Kabuli</i>	Ca_Kabuli_denovo	7719731	(G/A)
18500	CakSNP18500	<i>Kabuli</i>	Ca_Kabuli_denovo	7722023	(T/G)
18501	CakSNP18501	<i>Kabuli</i>	Ca_Kabuli_denovo	7722035	(G/T)
18502	CakSNP18502	<i>Kabuli</i>	Ca_Kabuli_denovo	7736605	(G/A)
18503	CakSNP18503	<i>Kabuli</i>	Ca_Kabuli_denovo	7740036	(T/A)
18504	CakSNP18504	<i>Kabuli</i>	Ca_Kabuli_denovo	7742921	(A/G)
18505	CakSNP18505	<i>Kabuli</i>	Ca_Kabuli_denovo	7742924	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18506	CakSNP18506	<i>Kabuli</i>	Ca_Kabuli_denovo	7744414	(C/T)
18507	CakSNP18507	<i>Kabuli</i>	Ca_Kabuli_denovo	7749013	(C/T)
18508	CakSNP18508	<i>Kabuli</i>	Ca_Kabuli_denovo	7755838	(A/G)
18509	CakSNP18509	<i>Kabuli</i>	Ca_Kabuli_denovo	7757665	(G/T)
18510	CakSNP18510	<i>Kabuli</i>	Ca_Kabuli_denovo	7763638	(A/C)
18511	CakSNP18511	<i>Kabuli</i>	Ca_Kabuli_denovo	7763641	(T/A)
18512	CakSNP18512	<i>Kabuli</i>	Ca_Kabuli_denovo	7773005	(C/G)
18513	CakSNP18513	<i>Kabuli</i>	Ca_Kabuli_denovo	7773497	(C/T)
18514	CakSNP18514	<i>Kabuli</i>	Ca_Kabuli_denovo	7775131	(C/A)
18515	CakSNP18515	<i>Kabuli</i>	Ca_Kabuli_denovo	7777349	(G/A)
18516	CakSNP18516	<i>Kabuli</i>	Ca_Kabuli_denovo	7777355	(C/G)
18517	CakSNP18517	<i>Kabuli</i>	Ca_Kabuli_denovo	7780110	(T/C)
18518	CakSNP18518	<i>Kabuli</i>	Ca_Kabuli_denovo	7780147	(T/C)
18519	CakSNP18519	<i>Kabuli</i>	Ca_Kabuli_denovo	7780424	(T/G)
18520	CakSNP18520	<i>Kabuli</i>	Ca_Kabuli_denovo	7783550	(T/C)
18521	CakSNP18521	<i>Kabuli</i>	Ca_Kabuli_denovo	7784298	(A/G)
18522	CakSNP18522	<i>Kabuli</i>	Ca_Kabuli_denovo	7784355	(G/A)
18523	CakSNP18523	<i>Kabuli</i>	Ca_Kabuli_denovo	7786066	(A/G)
18524	CakSNP18524	<i>Kabuli</i>	Ca_Kabuli_denovo	7786092	(T/C)
18525	CakSNP18525	<i>Kabuli</i>	Ca_Kabuli_denovo	7788204	(T/C)
18526	CakSNP18526	<i>Kabuli</i>	Ca_Kabuli_denovo	7789221	(T/C)
18527	CakSNP18527	<i>Kabuli</i>	Ca_Kabuli_denovo	7789301	(C/T)
18528	CakSNP18528	<i>Kabuli</i>	Ca_Kabuli_denovo	7793891	(G/C)
18529	CakSNP18529	<i>Kabuli</i>	Ca_Kabuli_denovo	7793893	(C/A)
18530	CakSNP18530	<i>Kabuli</i>	Ca_Kabuli_denovo	7797598	(A/G)
18531	CakSNP18531	<i>Kabuli</i>	Ca_Kabuli_denovo	7801499	(T/C)
18532	CakSNP18532	<i>Kabuli</i>	Ca_Kabuli_denovo	7803930	(G/A)
18533	CakSNP18533	<i>Kabuli</i>	Ca_Kabuli_denovo	7803960	(T/C)
18534	CakSNP18534	<i>Kabuli</i>	Ca_Kabuli_denovo	7808478	(T/C)
18535	CakSNP18535	<i>Kabuli</i>	Ca_Kabuli_denovo	7811193	(T/C)
18536	CakSNP18536	<i>Kabuli</i>	Ca_Kabuli_denovo	7811229	(T/C)
18537	CakSNP18537	<i>Kabuli</i>	Ca_Kabuli_denovo	7815667	(G/T)
18538	CakSNP18538	<i>Kabuli</i>	Ca_Kabuli_denovo	7817621	(G/C)
18539	CakSNP18539	<i>Kabuli</i>	Ca_Kabuli_denovo	7817663	(T/C)
18540	CakSNP18540	<i>Kabuli</i>	Ca_Kabuli_denovo	7819661	(A/G)
18541	CakSNP18541	<i>Kabuli</i>	Ca_Kabuli_denovo	7819688	(C/T)
18542	CakSNP18542	<i>Kabuli</i>	Ca_Kabuli_denovo	7821392	(A/T)
18543	CakSNP18543	<i>Kabuli</i>	Ca_Kabuli_denovo	7822168	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18544	CakSNP18544	<i>Kabuli</i>	Ca_Kabuli_denovo	7823280	(G/A)
18545	CakSNP18545	<i>Kabuli</i>	Ca_Kabuli_denovo	7825450	(C/A)
18546	CakSNP18546	<i>Kabuli</i>	Ca_Kabuli_denovo	7832200	(T/G)
18547	CakSNP18547	<i>Kabuli</i>	Ca_Kabuli_denovo	7833031	(G/A)
18548	CakSNP18548	<i>Kabuli</i>	Ca_Kabuli_denovo	7842059	(A/G)
18549	CakSNP18549	<i>Kabuli</i>	Ca_Kabuli_denovo	7845807	(C/A)
18550	CakSNP18550	<i>Kabuli</i>	Ca_Kabuli_denovo	7845827	(C/A)
18551	CakSNP18551	<i>Kabuli</i>	Ca_Kabuli_denovo	7851012	(G/A)
18552	CakSNP18552	<i>Kabuli</i>	Ca_Kabuli_denovo	7851036	(T/C)
18553	CakSNP18553	<i>Kabuli</i>	Ca_Kabuli_denovo	7851360	(G/A)
18554	CakSNP18554	<i>Kabuli</i>	Ca_Kabuli_denovo	7851364	(C/G)
18555	CakSNP18555	<i>Kabuli</i>	Ca_Kabuli_denovo	7851413	(A/G)
18556	CakSNP18556	<i>Kabuli</i>	Ca_Kabuli_denovo	7855438	(T/C)
18557	CakSNP18557	<i>Kabuli</i>	Ca_Kabuli_denovo	7855500	(A/G)
18558	CakSNP18558	<i>Kabuli</i>	Ca_Kabuli_denovo	7858167	(T/C)
18559	CakSNP18559	<i>Kabuli</i>	Ca_Kabuli_denovo	7866944	(C/T)
18560	CakSNP18560	<i>Kabuli</i>	Ca_Kabuli_denovo	7867542	(A/G)
18561	CakSNP18561	<i>Kabuli</i>	Ca_Kabuli_denovo	7867799	(A/C)
18562	CakSNP18562	<i>Kabuli</i>	Ca_Kabuli_denovo	7876080	(A/T)
18563	CakSNP18563	<i>Kabuli</i>	Ca_Kabuli_denovo	7880716	(A/T)
18564	CakSNP18564	<i>Kabuli</i>	Ca_Kabuli_denovo	7880717	(C/T)
18565	CakSNP18565	<i>Kabuli</i>	Ca_Kabuli_denovo	7881296	(G/A)
18566	CakSNP18566	<i>Kabuli</i>	Ca_Kabuli_denovo	7881314	(G/A)
18567	CakSNP18567	<i>Kabuli</i>	Ca_Kabuli_denovo	7887564	(C/T)
18568	CakSNP18568	<i>Kabuli</i>	Ca_Kabuli_denovo	7888564	(A/G)
18569	CakSNP18569	<i>Kabuli</i>	Ca_Kabuli_denovo	7892719	(T/C)
18570	CakSNP18570	<i>Kabuli</i>	Ca_Kabuli_denovo	7894702	(C/A)
18571	CakSNP18571	<i>Kabuli</i>	Ca_Kabuli_denovo	7894708	(G/C)
18572	CakSNP18572	<i>Kabuli</i>	Ca_Kabuli_denovo	7897351	(G/A)
18573	CakSNP18573	<i>Kabuli</i>	Ca_Kabuli_denovo	7897373	(A/C)
18574	CakSNP18574	<i>Kabuli</i>	Ca_Kabuli_denovo	7900400	(T/C)
18575	CakSNP18575	<i>Kabuli</i>	Ca_Kabuli_denovo	7901584	(A/G)
18576	CakSNP18576	<i>Kabuli</i>	Ca_Kabuli_denovo	7901585	(T/C)
18577	CakSNP18577	<i>Kabuli</i>	Ca_Kabuli_denovo	7910500	(C/T)
18578	CakSNP18578	<i>Kabuli</i>	Ca_Kabuli_denovo	7910554	(G/A)
18579	CakSNP18579	<i>Kabuli</i>	Ca_Kabuli_denovo	7920197	(C/T)
18580	CakSNP18580	<i>Kabuli</i>	Ca_Kabuli_denovo	7920209	(G/A)
18581	CakSNP18581	<i>Kabuli</i>	Ca_Kabuli_denovo	7930088	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18582	CakSNP18582	<i>Kabuli</i>	Ca_Kabuli_denovo	7936283	(C/T)
18583	CakSNP18583	<i>Kabuli</i>	Ca_Kabuli_denovo	7936329	(T/G)
18584	CakSNP18584	<i>Kabuli</i>	Ca_Kabuli_denovo	7941133	(C/T)
18585	CakSNP18585	<i>Kabuli</i>	Ca_Kabuli_denovo	7941147	(T/C)
18586	CakSNP18586	<i>Kabuli</i>	Ca_Kabuli_denovo	7945108	(G/A)
18587	CakSNP18587	<i>Kabuli</i>	Ca_Kabuli_denovo	7949240	(G/C)
18588	CakSNP18588	<i>Kabuli</i>	Ca_Kabuli_denovo	7949247	(G/C)
18589	CakSNP18589	<i>Kabuli</i>	Ca_Kabuli_denovo	7952539	(A/G)
18590	CakSNP18590	<i>Kabuli</i>	Ca_Kabuli_denovo	7952565	(T/C)
18591	CakSNP18591	<i>Kabuli</i>	Ca_Kabuli_denovo	7953341	(G/C)
18592	CakSNP18592	<i>Kabuli</i>	Ca_Kabuli_denovo	7955422	(T/C)
18593	CakSNP18593	<i>Kabuli</i>	Ca_Kabuli_denovo	7955973	(G/C)
18594	CakSNP18594	<i>Kabuli</i>	Ca_Kabuli_denovo	7955994	(G/T)
18595	CakSNP18595	<i>Kabuli</i>	Ca_Kabuli_denovo	7956631	(T/C)
18596	CakSNP18596	<i>Kabuli</i>	Ca_Kabuli_denovo	7960635	(C/T)
18597	CakSNP18597	<i>Kabuli</i>	Ca_Kabuli_denovo	7962856	(C/T)
18598	CakSNP18598	<i>Kabuli</i>	Ca_Kabuli_denovo	7962883	(G/C)
18599	CakSNP18599	<i>Kabuli</i>	Ca_Kabuli_denovo	7963369	(A/G)
18600	CakSNP18600	<i>Kabuli</i>	Ca_Kabuli_denovo	7963390	(G/C)
18601	CakSNP18601	<i>Kabuli</i>	Ca_Kabuli_denovo	7970950	(G/C)
18602	CakSNP18602	<i>Kabuli</i>	Ca_Kabuli_denovo	7974031	(G/C)
18603	CakSNP18603	<i>Kabuli</i>	Ca_Kabuli_denovo	7974052	(C/G)
18604	CakSNP18604	<i>Kabuli</i>	Ca_Kabuli_denovo	7982597	(A/G)
18605	CakSNP18605	<i>Kabuli</i>	Ca_Kabuli_denovo	7988467	(G/A)
18606	CakSNP18606	<i>Kabuli</i>	Ca_Kabuli_denovo	7995056	(A/G)
18607	CakSNP18607	<i>Kabuli</i>	Ca_Kabuli_denovo	7995068	(C/T)
18608	CakSNP18608	<i>Kabuli</i>	Ca_Kabuli_denovo	7997461	(T/C)
18609	CakSNP18609	<i>Kabuli</i>	Ca_Kabuli_denovo	7999842	(T/G)
18610	CakSNP18610	<i>Kabuli</i>	Ca_Kabuli_denovo	7999848	(T/A)
18611	CakSNP18611	<i>Kabuli</i>	Ca_Kabuli_denovo	8001503	(T/C)
18612	CakSNP18612	<i>Kabuli</i>	Ca_Kabuli_denovo	8003727	(A/G)
18613	CakSNP18613	<i>Kabuli</i>	Ca_Kabuli_denovo	8003736	(A/G)
18614	CakSNP18614	<i>Kabuli</i>	Ca_Kabuli_denovo	8011242	(G/C)
18615	CakSNP18615	<i>Kabuli</i>	Ca_Kabuli_denovo	8011262	(C/T)
18616	CakSNP18616	<i>Kabuli</i>	Ca_Kabuli_denovo	8013352	(C/T)
18617	CakSNP18617	<i>Kabuli</i>	Ca_Kabuli_denovo	8019793	(C/A)
18618	CakSNP18618	<i>Kabuli</i>	Ca_Kabuli_denovo	8022307	(G/A)
18619	CakSNP18619	<i>Kabuli</i>	Ca_Kabuli_denovo	8022322	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18620	CakSNP18620	<i>Kabuli</i>	Ca_Kabuli_denovo	8022996	(A/G)
18621	CakSNP18621	<i>Kabuli</i>	Ca_Kabuli_denovo	8026787	(T/G)
18622	CakSNP18622	<i>Kabuli</i>	Ca_Kabuli_denovo	8026830	(G/C)
18623	CakSNP18623	<i>Kabuli</i>	Ca_Kabuli_denovo	8027198	(T/C)
18624	CakSNP18624	<i>Kabuli</i>	Ca_Kabuli_denovo	8027199	(T/C)
18625	CakSNP18625	<i>Kabuli</i>	Ca_Kabuli_denovo	8039817	(T/C)
18626	CakSNP18626	<i>Kabuli</i>	Ca_Kabuli_denovo	8041747	(T/C)
18627	CakSNP18627	<i>Kabuli</i>	Ca_Kabuli_denovo	8041759	(C/A)
18628	CakSNP18628	<i>Kabuli</i>	Ca_Kabuli_denovo	8043209	(A/G)
18629	CakSNP18629	<i>Kabuli</i>	Ca_Kabuli_denovo	8043253	(T/C)
18630	CakSNP18630	<i>Kabuli</i>	Ca_Kabuli_denovo	8044069	(A/G)
18631	CakSNP18631	<i>Kabuli</i>	Ca_Kabuli_denovo	8044129	(G/A)
18632	CakSNP18632	<i>Kabuli</i>	Ca_Kabuli_denovo	8045895	(A/G)
18633	CakSNP18633	<i>Kabuli</i>	Ca_Kabuli_denovo	8051714	(T/C)
18634	CakSNP18634	<i>Kabuli</i>	Ca_Kabuli_denovo	8057562	(G/A)
18635	CakSNP18635	<i>Kabuli</i>	Ca_Kabuli_denovo	8063940	(A/T)
18636	CakSNP18636	<i>Kabuli</i>	Ca_Kabuli_denovo	8069087	(C/A)
18637	CakSNP18637	<i>Kabuli</i>	Ca_Kabuli_denovo	8069369	(G/C)
18638	CakSNP18638	<i>Kabuli</i>	Ca_Kabuli_denovo	8070193	(G/C)
18639	CakSNP18639	<i>Kabuli</i>	Ca_Kabuli_denovo	8070240	(T/C)
18640	CakSNP18640	<i>Kabuli</i>	Ca_Kabuli_denovo	8072550	(C/T)
18641	CakSNP18641	<i>Kabuli</i>	Ca_Kabuli_denovo	8082932	(G/A)
18642	CakSNP18642	<i>Kabuli</i>	Ca_Kabuli_denovo	8083232	(A/G)
18643	CakSNP18643	<i>Kabuli</i>	Ca_Kabuli_denovo	8087512	(A/G)
18644	CakSNP18644	<i>Kabuli</i>	Ca_Kabuli_denovo	8087573	(A/G)
18645	CakSNP18645	<i>Kabuli</i>	Ca_Kabuli_denovo	8088037	(C/G)
18646	CakSNP18646	<i>Kabuli</i>	Ca_Kabuli_denovo	8088041	(T/C)
18647	CakSNP18647	<i>Kabuli</i>	Ca_Kabuli_denovo	8088319	(C/T)
18648	CakSNP18648	<i>Kabuli</i>	Ca_Kabuli_denovo	8088322	(G/C)
18649	CakSNP18649	<i>Kabuli</i>	Ca_Kabuli_denovo	8094162	(A/C)
18650	CakSNP18650	<i>Kabuli</i>	Ca_Kabuli_denovo	8098520	(A/G)
18651	CakSNP18651	<i>Kabuli</i>	Ca_Kabuli_denovo	8105899	(T/G)
18652	CakSNP18652	<i>Kabuli</i>	Ca_Kabuli_denovo	8105968	(T/C)
18653	CakSNP18653	<i>Kabuli</i>	Ca_Kabuli_denovo	8109763	(A/C)
18654	CakSNP18654	<i>Kabuli</i>	Ca_Kabuli_denovo	8112263	(A/G)
18655	CakSNP18655	<i>Kabuli</i>	Ca_Kabuli_denovo	8112296	(A/C)
18656	CakSNP18656	<i>Kabuli</i>	Ca_Kabuli_denovo	8112297	(G/C)
18657	CakSNP18657	<i>Kabuli</i>	Ca_Kabuli_denovo	8115320	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18658	CakSNP18658	<i>Kabuli</i>	Ca_Kabuli_denovo	8122096	(T/C)
18659	CakSNP18659	<i>Kabuli</i>	Ca_Kabuli_denovo	8130858	(G/A)
18660	CakSNP18660	<i>Kabuli</i>	Ca_Kabuli_denovo	8130859	(C/G)
18661	CakSNP18661	<i>Kabuli</i>	Ca_Kabuli_denovo	8137324	(C/T)
18662	CakSNP18662	<i>Kabuli</i>	Ca_Kabuli_denovo	8137330	(T/G)
18663	CakSNP18663	<i>Kabuli</i>	Ca_Kabuli_denovo	8141933	(A/G)
18664	CakSNP18664	<i>Kabuli</i>	Ca_Kabuli_denovo	8144021	(A/C)
18665	CakSNP18665	<i>Kabuli</i>	Ca_Kabuli_denovo	8144078	(G/A)
18666	CakSNP18666	<i>Kabuli</i>	Ca_Kabuli_denovo	8148859	(G/A)
18667	CakSNP18667	<i>Kabuli</i>	Ca_Kabuli_denovo	8148868	(C/A)
18668	CakSNP18668	<i>Kabuli</i>	Ca_Kabuli_denovo	8149952	(C/G)
18669	CakSNP18669	<i>Kabuli</i>	Ca_Kabuli_denovo	8149954	(A/G)
18670	CakSNP18670	<i>Kabuli</i>	Ca_Kabuli_denovo	8154225	(C/A)
18671	CakSNP18671	<i>Kabuli</i>	Ca_Kabuli_denovo	8158725	(C/T)
18672	CakSNP18672	<i>Kabuli</i>	Ca_Kabuli_denovo	8158779	(T/C)
18673	CakSNP18673	<i>Kabuli</i>	Ca_Kabuli_denovo	8159110	(A/G)
18674	CakSNP18674	<i>Kabuli</i>	Ca_Kabuli_denovo	8159113	(A/G)
18675	CakSNP18675	<i>Kabuli</i>	Ca_Kabuli_denovo	8168485	(A/G)
18676	CakSNP18676	<i>Kabuli</i>	Ca_Kabuli_denovo	8169341	(C/G)
18677	CakSNP18677	<i>Kabuli</i>	Ca_Kabuli_denovo	8171387	(G/C)
18678	CakSNP18678	<i>Kabuli</i>	Ca_Kabuli_denovo	8178754	(T/C)
18679	CakSNP18679	<i>Kabuli</i>	Ca_Kabuli_denovo	8184848	(C/A)
18680	CakSNP18680	<i>Kabuli</i>	Ca_Kabuli_denovo	8189540	(A/C)
18681	CakSNP18681	<i>Kabuli</i>	Ca_Kabuli_denovo	8196300	(T/C)
18682	CakSNP18682	<i>Kabuli</i>	Ca_Kabuli_denovo	8196341	(C/G)
18683	CakSNP18683	<i>Kabuli</i>	Ca_Kabuli_denovo	8203367	(G/A)
18684	CakSNP18684	<i>Kabuli</i>	Ca_Kabuli_denovo	8207563	(C/T)
18685	CakSNP18685	<i>Kabuli</i>	Ca_Kabuli_denovo	8210958	(C/G)
18686	CakSNP18686	<i>Kabuli</i>	Ca_Kabuli_denovo	8211907	(A/G)
18687	CakSNP18687	<i>Kabuli</i>	Ca_Kabuli_denovo	8214133	(A/G)
18688	CakSNP18688	<i>Kabuli</i>	Ca_Kabuli_denovo	8214554	(T/C)
18689	CakSNP18689	<i>Kabuli</i>	Ca_Kabuli_denovo	8214590	(A/G)
18690	CakSNP18690	<i>Kabuli</i>	Ca_Kabuli_denovo	8217362	(A/G)
18691	CakSNP18691	<i>Kabuli</i>	Ca_Kabuli_denovo	8218000	(C/G)
18692	CakSNP18692	<i>Kabuli</i>	Ca_Kabuli_denovo	8218005	(A/C)
18693	CakSNP18693	<i>Kabuli</i>	Ca_Kabuli_denovo	8219090	(G/T)
18694	CakSNP18694	<i>Kabuli</i>	Ca_Kabuli_denovo	8223822	(C/G)
18695	CakSNP18695	<i>Kabuli</i>	Ca_Kabuli_denovo	8226812	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18696	CakSNP18696	<i>Kabuli</i>	Ca_Kabuli_denovo	8230958	(C/G)
18697	CakSNP18697	<i>Kabuli</i>	Ca_Kabuli_denovo	8230966	(A/T)
18698	CakSNP18698	<i>Kabuli</i>	Ca_Kabuli_denovo	8232844	(G/A)
18699	CakSNP18699	<i>Kabuli</i>	Ca_Kabuli_denovo	8232880	(G/A)
18700	CakSNP18700	<i>Kabuli</i>	Ca_Kabuli_denovo	8234144	(A/G)
18701	CakSNP18701	<i>Kabuli</i>	Ca_Kabuli_denovo	8234153	(C/G)
18702	CakSNP18702	<i>Kabuli</i>	Ca_Kabuli_denovo	8241946	(C/T)
18703	CakSNP18703	<i>Kabuli</i>	Ca_Kabuli_denovo	8241952	(C/T)
18704	CakSNP18704	<i>Kabuli</i>	Ca_Kabuli_denovo	8242371	(G/A)
18705	CakSNP18705	<i>Kabuli</i>	Ca_Kabuli_denovo	8243836	(T/C)
18706	CakSNP18706	<i>Kabuli</i>	Ca_Kabuli_denovo	8244667	(C/T)
18707	CakSNP18707	<i>Kabuli</i>	Ca_Kabuli_denovo	8249352	(C/A)
18708	CakSNP18708	<i>Kabuli</i>	Ca_Kabuli_denovo	8256558	(C/T)
18709	CakSNP18709	<i>Kabuli</i>	Ca_Kabuli_denovo	8256561	(C/T)
18710	CakSNP18710	<i>Kabuli</i>	Ca_Kabuli_denovo	8257059	(C/T)
18711	CakSNP18711	<i>Kabuli</i>	Ca_Kabuli_denovo	8257088	(A/G)
18712	CakSNP18712	<i>Kabuli</i>	Ca_Kabuli_denovo	8261284	(C/G)
18713	CakSNP18713	<i>Kabuli</i>	Ca_Kabuli_denovo	8266889	(C/T)
18714	CakSNP18714	<i>Kabuli</i>	Ca_Kabuli_denovo	8269821	(A/G)
18715	CakSNP18715	<i>Kabuli</i>	Ca_Kabuli_denovo	8271190	(C/G)
18716	CakSNP18716	<i>Kabuli</i>	Ca_Kabuli_denovo	8271195	(G/C)
18717	CakSNP18717	<i>Kabuli</i>	Ca_Kabuli_denovo	8283720	(C/T)
18718	CakSNP18718	<i>Kabuli</i>	Ca_Kabuli_denovo	8283723	(T/C)
18719	CakSNP18719	<i>Kabuli</i>	Ca_Kabuli_denovo	8287800	(G/T)
18720	CakSNP18720	<i>Kabuli</i>	Ca_Kabuli_denovo	8289104	(C/T)
18721	CakSNP18721	<i>Kabuli</i>	Ca_Kabuli_denovo	8293206	(G/T)
18722	CakSNP18722	<i>Kabuli</i>	Ca_Kabuli_denovo	8297749	(A/C)
18723	CakSNP18723	<i>Kabuli</i>	Ca_Kabuli_denovo	8300470	(T/G)
18724	CakSNP18724	<i>Kabuli</i>	Ca_Kabuli_denovo	8300931	(A/G)
18725	CakSNP18725	<i>Kabuli</i>	Ca_Kabuli_denovo	8300939	(T/A)
18726	CakSNP18726	<i>Kabuli</i>	Ca_Kabuli_denovo	8303497	(T/C)
18727	CakSNP18727	<i>Kabuli</i>	Ca_Kabuli_denovo	8303505	(C/G)
18728	CakSNP18728	<i>Kabuli</i>	Ca_Kabuli_denovo	8305655	(A/G)
18729	CakSNP18729	<i>Kabuli</i>	Ca_Kabuli_denovo	8305661	(G/A)
18730	CakSNP18730	<i>Kabuli</i>	Ca_Kabuli_denovo	8306153	(G/A)
18731	CakSNP18731	<i>Kabuli</i>	Ca_Kabuli_denovo	8317400	(G/C)
18732	CakSNP18732	<i>Kabuli</i>	Ca_Kabuli_denovo	8317564	(G/C)
18733	CakSNP18733	<i>Kabuli</i>	Ca_Kabuli_denovo	8317582	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18734	CakSNP18734	<i>Kabuli</i>	Ca_Kabuli_denovo	8321061	(C/T)
18735	CakSNP18735	<i>Kabuli</i>	Ca_Kabuli_denovo	8322931	(G/A)
18736	CakSNP18736	<i>Kabuli</i>	Ca_Kabuli_denovo	8325194	(C/T)
18737	CakSNP18737	<i>Kabuli</i>	Ca_Kabuli_denovo	8325213	(C/A)
18738	CakSNP18738	<i>Kabuli</i>	Ca_Kabuli_denovo	8327042	(C/T)
18739	CakSNP18739	<i>Kabuli</i>	Ca_Kabuli_denovo	8327887	(A/G)
18740	CakSNP18740	<i>Kabuli</i>	Ca_Kabuli_denovo	8327890	(A/G)
18741	CakSNP18741	<i>Kabuli</i>	Ca_Kabuli_denovo	8328850	(G/A)
18742	CakSNP18742	<i>Kabuli</i>	Ca_Kabuli_denovo	8329853	(G/T)
18743	CakSNP18743	<i>Kabuli</i>	Ca_Kabuli_denovo	8329859	(G/A)
18744	CakSNP18744	<i>Kabuli</i>	Ca_Kabuli_denovo	8331379	(C/T)
18745	CakSNP18745	<i>Kabuli</i>	Ca_Kabuli_denovo	8335396	(T/C)
18746	CakSNP18746	<i>Kabuli</i>	Ca_Kabuli_denovo	8335402	(T/G)
18747	CakSNP18747	<i>Kabuli</i>	Ca_Kabuli_denovo	8336646	(G/C)
18748	CakSNP18748	<i>Kabuli</i>	Ca_Kabuli_denovo	8336655	(T/C)
18749	CakSNP18749	<i>Kabuli</i>	Ca_Kabuli_denovo	8336819	(G/A)
18750	CakSNP18750	<i>Kabuli</i>	Ca_Kabuli_denovo	8336864	(A/G)
18751	CakSNP18751	<i>Kabuli</i>	Ca_Kabuli_denovo	8337449	(T/G)
18752	CakSNP18752	<i>Kabuli</i>	Ca_Kabuli_denovo	8343165	(A/G)
18753	CakSNP18753	<i>Kabuli</i>	Ca_Kabuli_denovo	8349391	(G/C)
18754	CakSNP18754	<i>Kabuli</i>	Ca_Kabuli_denovo	8349400	(C/T)
18755	CakSNP18755	<i>Kabuli</i>	Ca_Kabuli_denovo	8350117	(T/G)
18756	CakSNP18756	<i>Kabuli</i>	Ca_Kabuli_denovo	8350148	(C/G)
18757	CakSNP18757	<i>Kabuli</i>	Ca_Kabuli_denovo	8353015	(G/T)
18758	CakSNP18758	<i>Kabuli</i>	Ca_Kabuli_denovo	8354669	(A/T)
18759	CakSNP18759	<i>Kabuli</i>	Ca_Kabuli_denovo	8354690	(T/C)
18760	CakSNP18760	<i>Kabuli</i>	Ca_Kabuli_denovo	8355827	(T/G)
18761	CakSNP18761	<i>Kabuli</i>	Ca_Kabuli_denovo	8360991	(C/A)
18762	CakSNP18762	<i>Kabuli</i>	Ca_Kabuli_denovo	8361061	(G/A)
18763	CakSNP18763	<i>Kabuli</i>	Ca_Kabuli_denovo	8365868	(T/C)
18764	CakSNP18764	<i>Kabuli</i>	Ca_Kabuli_denovo	8365899	(G/A)
18765	CakSNP18765	<i>Kabuli</i>	Ca_Kabuli_denovo	8379869	(A/C)
18766	CakSNP18766	<i>Kabuli</i>	Ca_Kabuli_denovo	8380718	(C/G)
18767	CakSNP18767	<i>Kabuli</i>	Ca_Kabuli_denovo	8380722	(G/A)
18768	CakSNP18768	<i>Kabuli</i>	Ca_Kabuli_denovo	8391995	(A/G)
18769	CakSNP18769	<i>Kabuli</i>	Ca_Kabuli_denovo	8392015	(A/C)
18770	CakSNP18770	<i>Kabuli</i>	Ca_Kabuli_denovo	8400805	(C/T)
18771	CakSNP18771	<i>Kabuli</i>	Ca_Kabuli_denovo	8405558	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18772	CakSNP18772	<i>Kabuli</i>	Ca_Kabuli_denovo	8405615	(T/C)
18773	CakSNP18773	<i>Kabuli</i>	Ca_Kabuli_denovo	8409196	(T/C)
18774	CakSNP18774	<i>Kabuli</i>	Ca_Kabuli_denovo	8409374	(T/C)
18775	CakSNP18775	<i>Kabuli</i>	Ca_Kabuli_denovo	8411035	(T/G)
18776	CakSNP18776	<i>Kabuli</i>	Ca_Kabuli_denovo	8411059	(T/G)
18777	CakSNP18777	<i>Kabuli</i>	Ca_Kabuli_denovo	8413267	(G/C)
18778	CakSNP18778	<i>Kabuli</i>	Ca_Kabuli_denovo	8413291	(A/C)
18779	CakSNP18779	<i>Kabuli</i>	Ca_Kabuli_denovo	8416177	(T/C)
18780	CakSNP18780	<i>Kabuli</i>	Ca_Kabuli_denovo	8416180	(T/C)
18781	CakSNP18781	<i>Kabuli</i>	Ca_Kabuli_denovo	8417405	(T/G)
18782	CakSNP18782	<i>Kabuli</i>	Ca_Kabuli_denovo	8417948	(G/T)
18783	CakSNP18783	<i>Kabuli</i>	Ca_Kabuli_denovo	8418116	(G/C)
18784	CakSNP18784	<i>Kabuli</i>	Ca_Kabuli_denovo	8418159	(T/C)
18785	CakSNP18785	<i>Kabuli</i>	Ca_Kabuli_denovo	8419456	(C/G)
18786	CakSNP18786	<i>Kabuli</i>	Ca_Kabuli_denovo	8420072	(A/C)
18787	CakSNP18787	<i>Kabuli</i>	Ca_Kabuli_denovo	8422556	(T/C)
18788	CakSNP18788	<i>Kabuli</i>	Ca_Kabuli_denovo	8423156	(T/C)
18789	CakSNP18789	<i>Kabuli</i>	Ca_Kabuli_denovo	8429766	(A/C)
18790	CakSNP18790	<i>Kabuli</i>	Ca_Kabuli_denovo	8436507	(C/T)
18791	CakSNP18791	<i>Kabuli</i>	Ca_Kabuli_denovo	8436561	(G/A)
18792	CakSNP18792	<i>Kabuli</i>	Ca_Kabuli_denovo	8438196	(T/G)
18793	CakSNP18793	<i>Kabuli</i>	Ca_Kabuli_denovo	8438207	(G/C)
18794	CakSNP18794	<i>Kabuli</i>	Ca_Kabuli_denovo	8448425	(G/C)
18795	CakSNP18795	<i>Kabuli</i>	Ca_Kabuli_denovo	8448815	(C/A)
18796	CakSNP18796	<i>Kabuli</i>	Ca_Kabuli_denovo	8452890	(T/G)
18797	CakSNP18797	<i>Kabuli</i>	Ca_Kabuli_denovo	8454266	(T/C)
18798	CakSNP18798	<i>Kabuli</i>	Ca_Kabuli_denovo	8460560	(C/A)
18799	CakSNP18799	<i>Kabuli</i>	Ca_Kabuli_denovo	8461914	(C/G)
18800	CakSNP18800	<i>Kabuli</i>	Ca_Kabuli_denovo	8466689	(A/G)
18801	CakSNP18801	<i>Kabuli</i>	Ca_Kabuli_denovo	8469963	(A/G)
18802	CakSNP18802	<i>Kabuli</i>	Ca_Kabuli_denovo	8469975	(C/A)
18803	CakSNP18803	<i>Kabuli</i>	Ca_Kabuli_denovo	8479007	(G/T)
18804	CakSNP18804	<i>Kabuli</i>	Ca_Kabuli_denovo	8479010	(C/G)
18805	CakSNP18805	<i>Kabuli</i>	Ca_Kabuli_denovo	8480432	(C/G)
18806	CakSNP18806	<i>Kabuli</i>	Ca_Kabuli_denovo	8480589	(C/T)
18807	CakSNP18807	<i>Kabuli</i>	Ca_Kabuli_denovo	8483863	(T/C)
18808	CakSNP18808	<i>Kabuli</i>	Ca_Kabuli_denovo	8486588	(G/T)
18809	CakSNP18809	<i>Kabuli</i>	Ca_Kabuli_denovo	8489504	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18810	CakSNP18810	<i>Kabuli</i>	Ca_Kabuli_denovo	8492446	(C/G)
18811	CakSNP18811	<i>Kabuli</i>	Ca_Kabuli_denovo	8492462	(A/T)
18812	CakSNP18812	<i>Kabuli</i>	Ca_Kabuli_denovo	8496663	(T/G)
18813	CakSNP18813	<i>Kabuli</i>	Ca_Kabuli_denovo	8503771	(T/C)
18814	CakSNP18814	<i>Kabuli</i>	Ca_Kabuli_denovo	8503785	(T/G)
18815	CakSNP18815	<i>Kabuli</i>	Ca_Kabuli_denovo	8503798	(A/G)
18816	CakSNP18816	<i>Kabuli</i>	Ca_Kabuli_denovo	8505482	(T/C)
18817	CakSNP18817	<i>Kabuli</i>	Ca_Kabuli_denovo	8505765	(G/A)
18818	CakSNP18818	<i>Kabuli</i>	Ca_Kabuli_denovo	8509639	(A/G)
18819	CakSNP18819	<i>Kabuli</i>	Ca_Kabuli_denovo	8509669	(G/A)
18820	CakSNP18820	<i>Kabuli</i>	Ca_Kabuli_denovo	8513119	(A/C)
18821	CakSNP18821	<i>Kabuli</i>	Ca_Kabuli_denovo	8530754	(T/C)
18822	CakSNP18822	<i>Kabuli</i>	Ca_Kabuli_denovo	8530755	(T/G)
18823	CakSNP18823	<i>Kabuli</i>	Ca_Kabuli_denovo	8531674	(C/T)
18824	CakSNP18824	<i>Kabuli</i>	Ca_Kabuli_denovo	8531701	(A/T)
18825	CakSNP18825	<i>Kabuli</i>	Ca_Kabuli_denovo	8531753	(G/C)
18826	CakSNP18826	<i>Kabuli</i>	Ca_Kabuli_denovo	8531795	(G/A)
18827	CakSNP18827	<i>Kabuli</i>	Ca_Kabuli_denovo	8533432	(C/T)
18828	CakSNP18828	<i>Kabuli</i>	Ca_Kabuli_denovo	8533441	(A/C)
18829	CakSNP18829	<i>Kabuli</i>	Ca_Kabuli_denovo	8533970	(A/C)
18830	CakSNP18830	<i>Kabuli</i>	Ca_Kabuli_denovo	8533990	(T/C)
18831	CakSNP18831	<i>Kabuli</i>	Ca_Kabuli_denovo	8534449	(G/A)
18832	CakSNP18832	<i>Kabuli</i>	Ca_Kabuli_denovo	8550060	(A/G)
18833	CakSNP18833	<i>Kabuli</i>	Ca_Kabuli_denovo	8554253	(A/T)
18834	CakSNP18834	<i>Kabuli</i>	Ca_Kabuli_denovo	8554325	(G/A)
18835	CakSNP18835	<i>Kabuli</i>	Ca_Kabuli_denovo	8556197	(G/T)
18836	CakSNP18836	<i>Kabuli</i>	Ca_Kabuli_denovo	8556200	(A/G)
18837	CakSNP18837	<i>Kabuli</i>	Ca_Kabuli_denovo	8556235	(C/T)
18838	CakSNP18838	<i>Kabuli</i>	Ca_Kabuli_denovo	8560474	(C/G)
18839	CakSNP18839	<i>Kabuli</i>	Ca_Kabuli_denovo	8560544	(A/C)
18840	CakSNP18840	<i>Kabuli</i>	Ca_Kabuli_denovo	8562341	(G/C)
18841	CakSNP18841	<i>Kabuli</i>	Ca_Kabuli_denovo	8566053	(G/T)
18842	CakSNP18842	<i>Kabuli</i>	Ca_Kabuli_denovo	8566099	(C/T)
18843	CakSNP18843	<i>Kabuli</i>	Ca_Kabuli_denovo	8571259	(A/G)
18844	CakSNP18844	<i>Kabuli</i>	Ca_Kabuli_denovo	8573599	(A/T)
18845	CakSNP18845	<i>Kabuli</i>	Ca_Kabuli_denovo	8578805	(A/C)
18846	CakSNP18846	<i>Kabuli</i>	Ca_Kabuli_denovo	8580661	(G/C)
18847	CakSNP18847	<i>Kabuli</i>	Ca_Kabuli_denovo	8580697	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18848	CakSNP18848	<i>Kabuli</i>	Ca_Kabuli_denovo	8581281	(G/A)
18849	CakSNP18849	<i>Kabuli</i>	Ca_Kabuli_denovo	8584477	(A/G)
18850	CakSNP18850	<i>Kabuli</i>	Ca_Kabuli_denovo	8584479	(C/A)
18851	CakSNP18851	<i>Kabuli</i>	Ca_Kabuli_denovo	8584858	(T/C)
18852	CakSNP18852	<i>Kabuli</i>	Ca_Kabuli_denovo	8584877	(G/A)
18853	CakSNP18853	<i>Kabuli</i>	Ca_Kabuli_denovo	8593352	(G/C)
18854	CakSNP18854	<i>Kabuli</i>	Ca_Kabuli_denovo	8593359	(A/C)
18855	CakSNP18855	<i>Kabuli</i>	Ca_Kabuli_denovo	8603638	(C/T)
18856	CakSNP18856	<i>Kabuli</i>	Ca_Kabuli_denovo	8603707	(C/A)
18857	CakSNP18857	<i>Kabuli</i>	Ca_Kabuli_denovo	8607036	(T/C)
18858	CakSNP18858	<i>Kabuli</i>	Ca_Kabuli_denovo	8623968	(C/A)
18859	CakSNP18859	<i>Kabuli</i>	Ca_Kabuli_denovo	8626120	(T/C)
18860	CakSNP18860	<i>Kabuli</i>	Ca_Kabuli_denovo	8626123	(C/T)
18861	CakSNP18861	<i>Kabuli</i>	Ca_Kabuli_denovo	8629836	(A/C)
18862	CakSNP18862	<i>Kabuli</i>	Ca_Kabuli_denovo	8629837	(G/C)
18863	CakSNP18863	<i>Kabuli</i>	Ca_Kabuli_denovo	8629839	(T/C)
18864	CakSNP18864	<i>Kabuli</i>	Ca_Kabuli_denovo	8630141	(T/G)
18865	CakSNP18865	<i>Kabuli</i>	Ca_Kabuli_denovo	8630199	(G/C)
18866	CakSNP18866	<i>Kabuli</i>	Ca_Kabuli_denovo	8633226	(G/A)
18867	CakSNP18867	<i>Kabuli</i>	Ca_Kabuli_denovo	8633271	(G/T)
18868	CakSNP18868	<i>Kabuli</i>	Ca_Kabuli_denovo	8634180	(T/C)
18869	CakSNP18869	<i>Kabuli</i>	Ca_Kabuli_denovo	8634188	(A/G)
18870	CakSNP18870	<i>Kabuli</i>	Ca_Kabuli_denovo	8642988	(A/C)
18871	CakSNP18871	<i>Kabuli</i>	Ca_Kabuli_denovo	8652511	(T/A)
18872	CakSNP18872	<i>Kabuli</i>	Ca_Kabuli_denovo	8656524	(G/C)
18873	CakSNP18873	<i>Kabuli</i>	Ca_Kabuli_denovo	8657680	(G/T)
18874	CakSNP18874	<i>Kabuli</i>	Ca_Kabuli_denovo	8661307	(A/G)
18875	CakSNP18875	<i>Kabuli</i>	Ca_Kabuli_denovo	8661312	(G/A)
18876	CakSNP18876	<i>Kabuli</i>	Ca_Kabuli_denovo	8665424	(G/A)
18877	CakSNP18877	<i>Kabuli</i>	Ca_Kabuli_denovo	8677202	(C/T)
18878	CakSNP18878	<i>Kabuli</i>	Ca_Kabuli_denovo	8677253	(T/C)
18879	CakSNP18879	<i>Kabuli</i>	Ca_Kabuli_denovo	8683447	(T/C)
18880	CakSNP18880	<i>Kabuli</i>	Ca_Kabuli_denovo	8683473	(T/C)
18881	CakSNP18881	<i>Kabuli</i>	Ca_Kabuli_denovo	8688554	(G/A)
18882	CakSNP18882	<i>Kabuli</i>	Ca_Kabuli_denovo	8692558	(A/G)
18883	CakSNP18883	<i>Kabuli</i>	Ca_Kabuli_denovo	8697009	(A/G)
18884	CakSNP18884	<i>Kabuli</i>	Ca_Kabuli_denovo	8701182	(C/T)
18885	CakSNP18885	<i>Kabuli</i>	Ca_Kabuli_denovo	8706399	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18886	CakSNP18886	<i>Kabuli</i>	Ca_Kabuli_denovo	8712116	(C/T)
18887	CakSNP18887	<i>Kabuli</i>	Ca_Kabuli_denovo	8712137	(C/G)
18888	CakSNP18888	<i>Kabuli</i>	Ca_Kabuli_denovo	8713270	(C/A)
18889	CakSNP18889	<i>Kabuli</i>	Ca_Kabuli_denovo	8713287	(T/G)
18890	CakSNP18890	<i>Kabuli</i>	Ca_Kabuli_denovo	8714821	(G/A)
18891	CakSNP18891	<i>Kabuli</i>	Ca_Kabuli_denovo	8717740	(T/C)
18892	CakSNP18892	<i>Kabuli</i>	Ca_Kabuli_denovo	8717768	(G/C)
18893	CakSNP18893	<i>Kabuli</i>	Ca_Kabuli_denovo	8718318	(T/G)
18894	CakSNP18894	<i>Kabuli</i>	Ca_Kabuli_denovo	8723450	(C/T)
18895	CakSNP18895	<i>Kabuli</i>	Ca_Kabuli_denovo	8728039	(C/T)
18896	CakSNP18896	<i>Kabuli</i>	Ca_Kabuli_denovo	8728049	(T/G)
18897	CakSNP18897	<i>Kabuli</i>	Ca_Kabuli_denovo	8733667	(G/T)
18898	CakSNP18898	<i>Kabuli</i>	Ca_Kabuli_denovo	8737564	(A/G)
18899	CakSNP18899	<i>Kabuli</i>	Ca_Kabuli_denovo	8740252	(C/T)
18900	CakSNP18900	<i>Kabuli</i>	Ca_Kabuli_denovo	8741945	(G/A)
18901	CakSNP18901	<i>Kabuli</i>	Ca_Kabuli_denovo	8743682	(C/A)
18902	CakSNP18902	<i>Kabuli</i>	Ca_Kabuli_denovo	8745896	(T/G)
18903	CakSNP18903	<i>Kabuli</i>	Ca_Kabuli_denovo	8746884	(A/G)
18904	CakSNP18904	<i>Kabuli</i>	Ca_Kabuli_denovo	8749660	(G/A)
18905	CakSNP18905	<i>Kabuli</i>	Ca_Kabuli_denovo	8749690	(C/G)
18906	CakSNP18906	<i>Kabuli</i>	Ca_Kabuli_denovo	8751619	(C/A)
18907	CakSNP18907	<i>Kabuli</i>	Ca_Kabuli_denovo	8751625	(C/T)
18908	CakSNP18908	<i>Kabuli</i>	Ca_Kabuli_denovo	8754866	(C/G)
18909	CakSNP18909	<i>Kabuli</i>	Ca_Kabuli_denovo	8756405	(T/A)
18910	CakSNP18910	<i>Kabuli</i>	Ca_Kabuli_denovo	8762906	(T/C)
18911	CakSNP18911	<i>Kabuli</i>	Ca_Kabuli_denovo	8764006	(C/G)
18912	CakSNP18912	<i>Kabuli</i>	Ca_Kabuli_denovo	8773383	(C/A)
18913	CakSNP18913	<i>Kabuli</i>	Ca_Kabuli_denovo	8783399	(C/T)
18914	CakSNP18914	<i>Kabuli</i>	Ca_Kabuli_denovo	8785543	(T/A)
18915	CakSNP18915	<i>Kabuli</i>	Ca_Kabuli_denovo	8785573	(G/A)
18916	CakSNP18916	<i>Kabuli</i>	Ca_Kabuli_denovo	8785912	(A/G)
18917	CakSNP18917	<i>Kabuli</i>	Ca_Kabuli_denovo	8785983	(A/C)
18918	CakSNP18918	<i>Kabuli</i>	Ca_Kabuli_denovo	8786375	(C/T)
18919	CakSNP18919	<i>Kabuli</i>	Ca_Kabuli_denovo	8786405	(T/C)
18920	CakSNP18920	<i>Kabuli</i>	Ca_Kabuli_denovo	8790559	(G/A)
18921	CakSNP18921	<i>Kabuli</i>	Ca_Kabuli_denovo	8793365	(T/C)
18922	CakSNP18922	<i>Kabuli</i>	Ca_Kabuli_denovo	8797171	(C/A)
18923	CakSNP18923	<i>Kabuli</i>	Ca_Kabuli_denovo	8797219	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18924	CakSNP18924	<i>Kabuli</i>	Ca_Kabuli_denovo	8802899	(C/T)
18925	CakSNP18925	<i>Kabuli</i>	Ca_Kabuli_denovo	8802968	(C/A)
18926	CakSNP18926	<i>Kabuli</i>	Ca_Kabuli_denovo	8802970	(C/G)
18927	CakSNP18927	<i>Kabuli</i>	Ca_Kabuli_denovo	8817440	(T/C)
18928	CakSNP18928	<i>Kabuli</i>	Ca_Kabuli_denovo	8817510	(C/A)
18929	CakSNP18929	<i>Kabuli</i>	Ca_Kabuli_denovo	8821101	(C/T)
18930	CakSNP18930	<i>Kabuli</i>	Ca_Kabuli_denovo	8835782	(A/C)
18931	CakSNP18931	<i>Kabuli</i>	Ca_Kabuli_denovo	8837267	(C/G)
18932	CakSNP18932	<i>Kabuli</i>	Ca_Kabuli_denovo	8837276	(C/G)
18933	CakSNP18933	<i>Kabuli</i>	Ca_Kabuli_denovo	8839300	(G/C)
18934	CakSNP18934	<i>Kabuli</i>	Ca_Kabuli_denovo	8839943	(C/T)
18935	CakSNP18935	<i>Kabuli</i>	Ca_Kabuli_denovo	8839950	(G/A)
18936	CakSNP18936	<i>Kabuli</i>	Ca_Kabuli_denovo	8841891	(C/G)
18937	CakSNP18937	<i>Kabuli</i>	Ca_Kabuli_denovo	8843216	(T/C)
18938	CakSNP18938	<i>Kabuli</i>	Ca_Kabuli_denovo	8846463	(T/C)
18939	CakSNP18939	<i>Kabuli</i>	Ca_Kabuli_denovo	8847644	(T/G)
18940	CakSNP18940	<i>Kabuli</i>	Ca_Kabuli_denovo	8847757	(A/T)
18941	CakSNP18941	<i>Kabuli</i>	Ca_Kabuli_denovo	8847796	(A/G)
18942	CakSNP18942	<i>Kabuli</i>	Ca_Kabuli_denovo	8852097	(T/G)
18943	CakSNP18943	<i>Kabuli</i>	Ca_Kabuli_denovo	8855774	(G/C)
18944	CakSNP18944	<i>Kabuli</i>	Ca_Kabuli_denovo	8856170	(A/C)
18945	CakSNP18945	<i>Kabuli</i>	Ca_Kabuli_denovo	8857655	(A/T)
18946	CakSNP18946	<i>Kabuli</i>	Ca_Kabuli_denovo	8858498	(A/G)
18947	CakSNP18947	<i>Kabuli</i>	Ca_Kabuli_denovo	8864720	(T/G)
18948	CakSNP18948	<i>Kabuli</i>	Ca_Kabuli_denovo	8869813	(G/A)
18949	CakSNP18949	<i>Kabuli</i>	Ca_Kabuli_denovo	8881500	(A/C)
18950	CakSNP18950	<i>Kabuli</i>	Ca_Kabuli_denovo	8881501	(G/A)
18951	CakSNP18951	<i>Kabuli</i>	Ca_Kabuli_denovo	8882179	(C/T)
18952	CakSNP18952	<i>Kabuli</i>	Ca_Kabuli_denovo	8882231	(G/A)
18953	CakSNP18953	<i>Kabuli</i>	Ca_Kabuli_denovo	8885140	(A/C)
18954	CakSNP18954	<i>Kabuli</i>	Ca_Kabuli_denovo	8885204	(C/T)
18955	CakSNP18955	<i>Kabuli</i>	Ca_Kabuli_denovo	8887438	(T/G)
18956	CakSNP18956	<i>Kabuli</i>	Ca_Kabuli_denovo	8891101	(C/T)
18957	CakSNP18957	<i>Kabuli</i>	Ca_Kabuli_denovo	8898477	(T/C)
18958	CakSNP18958	<i>Kabuli</i>	Ca_Kabuli_denovo	8903642	(A/G)
18959	CakSNP18959	<i>Kabuli</i>	Ca_Kabuli_denovo	8903702	(G/A)
18960	CakSNP18960	<i>Kabuli</i>	Ca_Kabuli_denovo	8904259	(T/G)
18961	CakSNP18961	<i>Kabuli</i>	Ca_Kabuli_denovo	8910990	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18962	CakSNP18962	<i>Kabuli</i>	Ca_Kabuli_denovo	8911135	(G/A)
18963	CakSNP18963	<i>Kabuli</i>	Ca_Kabuli_denovo	8911140	(G/A)
18964	CakSNP18964	<i>Kabuli</i>	Ca_Kabuli_denovo	8916332	(C/A)
18965	CakSNP18965	<i>Kabuli</i>	Ca_Kabuli_denovo	8918015	(A/G)
18966	CakSNP18966	<i>Kabuli</i>	Ca_Kabuli_denovo	8918028	(C/T)
18967	CakSNP18967	<i>Kabuli</i>	Ca_Kabuli_denovo	8918993	(C/T)
18968	CakSNP18968	<i>Kabuli</i>	Ca_Kabuli_denovo	8922620	(C/G)
18969	CakSNP18969	<i>Kabuli</i>	Ca_Kabuli_denovo	8922642	(T/G)
18970	CakSNP18970	<i>Kabuli</i>	Ca_Kabuli_denovo	8923604	(A/G)
18971	CakSNP18971	<i>Kabuli</i>	Ca_Kabuli_denovo	8935945	(G/T)
18972	CakSNP18972	<i>Kabuli</i>	Ca_Kabuli_denovo	8941714	(G/A)
18973	CakSNP18973	<i>Kabuli</i>	Ca_Kabuli_denovo	8941759	(G/A)
18974	CakSNP18974	<i>Kabuli</i>	Ca_Kabuli_denovo	8946705	(C/T)
18975	CakSNP18975	<i>Kabuli</i>	Ca_Kabuli_denovo	8946759	(C/T)
18976	CakSNP18976	<i>Kabuli</i>	Ca_Kabuli_denovo	8955101	(C/T)
18977	CakSNP18977	<i>Kabuli</i>	Ca_Kabuli_denovo	8956392	(T/C)
18978	CakSNP18978	<i>Kabuli</i>	Ca_Kabuli_denovo	8956416	(A/G)
18979	CakSNP18979	<i>Kabuli</i>	Ca_Kabuli_denovo	8958868	(C/A)
18980	CakSNP18980	<i>Kabuli</i>	Ca_Kabuli_denovo	8962549	(T/C)
18981	CakSNP18981	<i>Kabuli</i>	Ca_Kabuli_denovo	8969882	(C/G)
18982	CakSNP18982	<i>Kabuli</i>	Ca_Kabuli_denovo	8969927	(G/A)
18983	CakSNP18983	<i>Kabuli</i>	Ca_Kabuli_denovo	8972239	(C/G)
18984	CakSNP18984	<i>Kabuli</i>	Ca_Kabuli_denovo	8979187	(A/G)
18985	CakSNP18985	<i>Kabuli</i>	Ca_Kabuli_denovo	8991933	(T/C)
18986	CakSNP18986	<i>Kabuli</i>	Ca_Kabuli_denovo	8998274	(C/T)
18987	CakSNP18987	<i>Kabuli</i>	Ca_Kabuli_denovo	8998283	(G/C)
18988	CakSNP18988	<i>Kabuli</i>	Ca_Kabuli_denovo	8998729	(C/G)
18989	CakSNP18989	<i>Kabuli</i>	Ca_Kabuli_denovo	8998743	(G/T)
18990	CakSNP18990	<i>Kabuli</i>	Ca_Kabuli_denovo	8999684	(C/T)
18991	CakSNP18991	<i>Kabuli</i>	Ca_Kabuli_denovo	8999695	(T/C)
18992	CakSNP18992	<i>Kabuli</i>	Ca_Kabuli_denovo	9007535	(C/A)
18993	CakSNP18993	<i>Kabuli</i>	Ca_Kabuli_denovo	9007546	(A/C)
18994	CakSNP18994	<i>Kabuli</i>	Ca_Kabuli_denovo	9008111	(G/A)
18995	CakSNP18995	<i>Kabuli</i>	Ca_Kabuli_denovo	9008153	(A/G)
18996	CakSNP18996	<i>Kabuli</i>	Ca_Kabuli_denovo	9009853	(T/G)
18997	CakSNP18997	<i>Kabuli</i>	Ca_Kabuli_denovo	9010359	(T/C)
18998	CakSNP18998	<i>Kabuli</i>	Ca_Kabuli_denovo	9016466	(A/C)
18999	CakSNP18999	<i>Kabuli</i>	Ca_Kabuli_denovo	9016479	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19000	CakSNP19000	<i>Kabuli</i>	Ca_Kabuli_denovo	9020583	(C/G)
19001	CakSNP19001	<i>Kabuli</i>	Ca_Kabuli_denovo	9020621	(A/G)
19002	CakSNP19002	<i>Kabuli</i>	Ca_Kabuli_denovo	9020928	(A/G)
19003	CakSNP19003	<i>Kabuli</i>	Ca_Kabuli_denovo	9021373	(C/T)
19004	CakSNP19004	<i>Kabuli</i>	Ca_Kabuli_denovo	9025243	(C/A)
19005	CakSNP19005	<i>Kabuli</i>	Ca_Kabuli_denovo	9025246	(G/C)
19006	CakSNP19006	<i>Kabuli</i>	Ca_Kabuli_denovo	9026799	(A/C)
19007	CakSNP19007	<i>Kabuli</i>	Ca_Kabuli_denovo	9028405	(C/G)
19008	CakSNP19008	<i>Kabuli</i>	Ca_Kabuli_denovo	9029661	(C/T)
19009	CakSNP19009	<i>Kabuli</i>	Ca_Kabuli_denovo	9030509	(T/C)
19010	CakSNP19010	<i>Kabuli</i>	Ca_Kabuli_denovo	9034404	(A/G)
19011	CakSNP19011	<i>Kabuli</i>	Ca_Kabuli_denovo	9034429	(A/C)
19012	CakSNP19012	<i>Kabuli</i>	Ca_Kabuli_denovo	9043273	(C/G)
19013	CakSNP19013	<i>Kabuli</i>	Ca_Kabuli_denovo	9043321	(C/T)
19014	CakSNP19014	<i>Kabuli</i>	Ca_Kabuli_denovo	9050711	(C/G)
19015	CakSNP19015	<i>Kabuli</i>	Ca_Kabuli_denovo	9050747	(G/A)
19016	CakSNP19016	<i>Kabuli</i>	Ca_Kabuli_denovo	9056377	(A/G)
19017	CakSNP19017	<i>Kabuli</i>	Ca_Kabuli_denovo	9067796	(A/G)
19018	CakSNP19018	<i>Kabuli</i>	Ca_Kabuli_denovo	9067797	(A/G)
19019	CakSNP19019	<i>Kabuli</i>	Ca_Kabuli_denovo	9068479	(A/G)
19020	CakSNP19020	<i>Kabuli</i>	Ca_Kabuli_denovo	9071784	(G/A)
19021	CakSNP19021	<i>Kabuli</i>	Ca_Kabuli_denovo	9077263	(A/C)
19022	CakSNP19022	<i>Kabuli</i>	Ca_Kabuli_denovo	9077474	(T/G)
19023	CakSNP19023	<i>Kabuli</i>	Ca_Kabuli_denovo	9077488	(T/C)
19024	CakSNP19024	<i>Kabuli</i>	Ca_Kabuli_denovo	9077513	(T/G)
19025	CakSNP19025	<i>Kabuli</i>	Ca_Kabuli_denovo	9077529	(T/G)
19026	CakSNP19026	<i>Kabuli</i>	Ca_Kabuli_denovo	9077813	(C/T)
19027	CakSNP19027	<i>Kabuli</i>	Ca_Kabuli_denovo	9081380	(G/A)
19028	CakSNP19028	<i>Kabuli</i>	Ca_Kabuli_denovo	9081383	(C/T)
19029	CakSNP19029	<i>Kabuli</i>	Ca_Kabuli_denovo	9085000	(T/C)
19030	CakSNP19030	<i>Kabuli</i>	Ca_Kabuli_denovo	9085051	(T/C)
19031	CakSNP19031	<i>Kabuli</i>	Ca_Kabuli_denovo	9087707	(T/C)
19032	CakSNP19032	<i>Kabuli</i>	Ca_Kabuli_denovo	9089170	(A/C)
19033	CakSNP19033	<i>Kabuli</i>	Ca_Kabuli_denovo	9089960	(G/A)
19034	CakSNP19034	<i>Kabuli</i>	Ca_Kabuli_denovo	9093663	(G/A)
19035	CakSNP19035	<i>Kabuli</i>	Ca_Kabuli_denovo	9094477	(C/T)
19036	CakSNP19036	<i>Kabuli</i>	Ca_Kabuli_denovo	9096275	(G/A)
19037	CakSNP19037	<i>Kabuli</i>	Ca_Kabuli_denovo	9096314	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19038	CakSNP19038	<i>Kabuli</i>	Ca_Kabuli_denovo	9099899	(G/C)
19039	CakSNP19039	<i>Kabuli</i>	Ca_Kabuli_denovo	9099908	(C/G)
19040	CakSNP19040	<i>Kabuli</i>	Ca_Kabuli_denovo	9101826	(A/G)
19041	CakSNP19041	<i>Kabuli</i>	Ca_Kabuli_denovo	9110057	(T/G)
19042	CakSNP19042	<i>Kabuli</i>	Ca_Kabuli_denovo	9116771	(G/A)
19043	CakSNP19043	<i>Kabuli</i>	Ca_Kabuli_denovo	9116864	(C/T)
19044	CakSNP19044	<i>Kabuli</i>	Ca_Kabuli_denovo	9116876	(C/G)
19045	CakSNP19045	<i>Kabuli</i>	Ca_Kabuli_denovo	9118126	(A/G)
19046	CakSNP19046	<i>Kabuli</i>	Ca_Kabuli_denovo	9119868	(A/C)
19047	CakSNP19047	<i>Kabuli</i>	Ca_Kabuli_denovo	9119949	(G/A)
19048	CakSNP19048	<i>Kabuli</i>	Ca_Kabuli_denovo	9120924	(C/T)
19049	CakSNP19049	<i>Kabuli</i>	Ca_Kabuli_denovo	9120942	(C/G)
19050	CakSNP19050	<i>Kabuli</i>	Ca_Kabuli_denovo	9124892	(A/G)
19051	CakSNP19051	<i>Kabuli</i>	Ca_Kabuli_denovo	9124895	(G/T)
19052	CakSNP19052	<i>Kabuli</i>	Ca_Kabuli_denovo	9125565	(C/T)
19053	CakSNP19053	<i>Kabuli</i>	Ca_Kabuli_denovo	9128353	(A/G)
19054	CakSNP19054	<i>Kabuli</i>	Ca_Kabuli_denovo	9128371	(C/T)
19055	CakSNP19055	<i>Kabuli</i>	Ca_Kabuli_denovo	9130620	(G/T)
19056	CakSNP19056	<i>Kabuli</i>	Ca_Kabuli_denovo	9140141	(G/A)
19057	CakSNP19057	<i>Kabuli</i>	Ca_Kabuli_denovo	9140451	(G/C)
19058	CakSNP19058	<i>Kabuli</i>	Ca_Kabuli_denovo	9140463	(A/G)
19059	CakSNP19059	<i>Kabuli</i>	Ca_Kabuli_denovo	9142027	(T/C)
19060	CakSNP19060	<i>Kabuli</i>	Ca_Kabuli_denovo	9147040	(G/C)
19061	CakSNP19061	<i>Kabuli</i>	Ca_Kabuli_denovo	9147082	(G/C)
19062	CakSNP19062	<i>Kabuli</i>	Ca_Kabuli_denovo	9148606	(G/C)
19063	CakSNP19063	<i>Kabuli</i>	Ca_Kabuli_denovo	9150620	(G/C)
19064	CakSNP19064	<i>Kabuli</i>	Ca_Kabuli_denovo	9156588	(G/T)
19065	CakSNP19065	<i>Kabuli</i>	Ca_Kabuli_denovo	9156594	(C/T)
19066	CakSNP19066	<i>Kabuli</i>	Ca_Kabuli_denovo	9158920	(T/G)
19067	CakSNP19067	<i>Kabuli</i>	Ca_Kabuli_denovo	9160264	(G/C)
19068	CakSNP19068	<i>Kabuli</i>	Ca_Kabuli_denovo	9160267	(T/G)
19069	CakSNP19069	<i>Kabuli</i>	Ca_Kabuli_denovo	9172662	(A/C)
19070	CakSNP19070	<i>Kabuli</i>	Ca_Kabuli_denovo	9173737	(C/T)
19071	CakSNP19071	<i>Kabuli</i>	Ca_Kabuli_denovo	9173759	(C/A)
19072	CakSNP19072	<i>Kabuli</i>	Ca_Kabuli_denovo	9176774	(A/C)
19073	CakSNP19073	<i>Kabuli</i>	Ca_Kabuli_denovo	9176776	(A/G)
19074	CakSNP19074	<i>Kabuli</i>	Ca_Kabuli_denovo	9177251	(T/G)
19075	CakSNP19075	<i>Kabuli</i>	Ca_Kabuli_denovo	9177255	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19076	CakSNP19076	<i>Kabuli</i>	Ca_Kabuli_denovo	9185606	(A/C)
19077	CakSNP19077	<i>Kabuli</i>	Ca_Kabuli_denovo	9185607	(G/C)
19078	CakSNP19078	<i>Kabuli</i>	Ca_Kabuli_denovo	9185932	(C/T)
19079	CakSNP19079	<i>Kabuli</i>	Ca_Kabuli_denovo	9187737	(T/G)
19080	CakSNP19080	<i>Kabuli</i>	Ca_Kabuli_denovo	9192222	(G/A)
19081	CakSNP19081	<i>Kabuli</i>	Ca_Kabuli_denovo	9192798	(G/A)
19082	CakSNP19082	<i>Kabuli</i>	Ca_Kabuli_denovo	9192851	(T/C)
19083	CakSNP19083	<i>Kabuli</i>	Ca_Kabuli_denovo	9198550	(A/G)
19084	CakSNP19084	<i>Kabuli</i>	Ca_Kabuli_denovo	9198616	(C/G)
19085	CakSNP19085	<i>Kabuli</i>	Ca_Kabuli_denovo	9201182	(T/C)
19086	CakSNP19086	<i>Kabuli</i>	Ca_Kabuli_denovo	9203603	(T/C)
19087	CakSNP19087	<i>Kabuli</i>	Ca_Kabuli_denovo	9205951	(A/G)
19088	CakSNP19088	<i>Kabuli</i>	Ca_Kabuli_denovo	9208178	(C/A)
19089	CakSNP19089	<i>Kabuli</i>	Ca_Kabuli_denovo	9208179	(A/G)
19090	CakSNP19090	<i>Kabuli</i>	Ca_Kabuli_denovo	9209336	(T/G)
19091	CakSNP19091	<i>Kabuli</i>	Ca_Kabuli_denovo	9214280	(G/C)
19092	CakSNP19092	<i>Kabuli</i>	Ca_Kabuli_denovo	9224701	(A/G)
19093	CakSNP19093	<i>Kabuli</i>	Ca_Kabuli_denovo	9224756	(A/G)
19094	CakSNP19094	<i>Kabuli</i>	Ca_Kabuli_denovo	9226486	(T/C)
19095	CakSNP19095	<i>Kabuli</i>	Ca_Kabuli_denovo	9239246	(T/C)
19096	CakSNP19096	<i>Kabuli</i>	Ca_Kabuli_denovo	9239264	(A/G)
19097	CakSNP19097	<i>Kabuli</i>	Ca_Kabuli_denovo	9239699	(G/A)
19098	CakSNP19098	<i>Kabuli</i>	Ca_Kabuli_denovo	9239708	(G/A)
19099	CakSNP19099	<i>Kabuli</i>	Ca_Kabuli_denovo	9248504	(T/C)
19100	CakSNP19100	<i>Kabuli</i>	Ca_Kabuli_denovo	9248531	(C/G)
19101	CakSNP19101	<i>Kabuli</i>	Ca_Kabuli_denovo	9250624	(A/G)
19102	CakSNP19102	<i>Kabuli</i>	Ca_Kabuli_denovo	9251558	(C/G)
19103	CakSNP19103	<i>Kabuli</i>	Ca_Kabuli_denovo	9252627	(C/T)
19104	CakSNP19104	<i>Kabuli</i>	Ca_Kabuli_denovo	9260377	(A/G)
19105	CakSNP19105	<i>Kabuli</i>	Ca_Kabuli_denovo	9275027	(C/T)
19106	CakSNP19106	<i>Kabuli</i>	Ca_Kabuli_denovo	9279086	(G/A)
19107	CakSNP19107	<i>Kabuli</i>	Ca_Kabuli_denovo	9279103	(C/G)
19108	CakSNP19108	<i>Kabuli</i>	Ca_Kabuli_denovo	9280476	(G/T)
19109	CakSNP19109	<i>Kabuli</i>	Ca_Kabuli_denovo	9285521	(A/G)
19110	CakSNP19110	<i>Kabuli</i>	Ca_Kabuli_denovo	9285552	(A/C)
19111	CakSNP19111	<i>Kabuli</i>	Ca_Kabuli_denovo	9290097	(C/T)
19112	CakSNP19112	<i>Kabuli</i>	Ca_Kabuli_denovo	9290124	(T/C)
19113	CakSNP19113	<i>Kabuli</i>	Ca_Kabuli_denovo	9291022	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19114	CakSNP19114	<i>Kabuli</i>	Ca_Kabuli_denovo	9291386	(G/T)
19115	CakSNP19115	<i>Kabuli</i>	Ca_Kabuli_denovo	9295107	(C/T)
19116	CakSNP19116	<i>Kabuli</i>	Ca_Kabuli_denovo	9302031	(A/G)
19117	CakSNP19117	<i>Kabuli</i>	Ca_Kabuli_denovo	9303206	(G/C)
19118	CakSNP19118	<i>Kabuli</i>	Ca_Kabuli_denovo	9303255	(G/A)
19119	CakSNP19119	<i>Kabuli</i>	Ca_Kabuli_denovo	9306274	(T/C)
19120	CakSNP19120	<i>Kabuli</i>	Ca_Kabuli_denovo	9311223	(T/C)
19121	CakSNP19121	<i>Kabuli</i>	Ca_Kabuli_denovo	9311232	(T/C)
19122	CakSNP19122	<i>Kabuli</i>	Ca_Kabuli_denovo	9313124	(G/A)
19123	CakSNP19123	<i>Kabuli</i>	Ca_Kabuli_denovo	9313760	(A/C)
19124	CakSNP19124	<i>Kabuli</i>	Ca_Kabuli_denovo	9313761	(G/C)
19125	CakSNP19125	<i>Kabuli</i>	Ca_Kabuli_denovo	9313763	(T/A)
19126	CakSNP19126	<i>Kabuli</i>	Ca_Kabuli_denovo	9313764	(C/T)
19127	CakSNP19127	<i>Kabuli</i>	Ca_Kabuli_denovo	9323010	(A/G)
19128	CakSNP19128	<i>Kabuli</i>	Ca_Kabuli_denovo	9325321	(G/A)
19129	CakSNP19129	<i>Kabuli</i>	Ca_Kabuli_denovo	9326340	(C/G)
19130	CakSNP19130	<i>Kabuli</i>	Ca_Kabuli_denovo	9326358	(C/T)
19131	CakSNP19131	<i>Kabuli</i>	Ca_Kabuli_denovo	9327287	(G/A)
19132	CakSNP19132	<i>Kabuli</i>	Ca_Kabuli_denovo	9329987	(A/G)
19133	CakSNP19133	<i>Kabuli</i>	Ca_Kabuli_denovo	9331268	(T/A)
19134	CakSNP19134	<i>Kabuli</i>	Ca_Kabuli_denovo	9331322	(G/A)
19135	CakSNP19135	<i>Kabuli</i>	Ca_Kabuli_denovo	9336282	(C/T)
19136	CakSNP19136	<i>Kabuli</i>	Ca_Kabuli_denovo	9336314	(A/G)
19137	CakSNP19137	<i>Kabuli</i>	Ca_Kabuli_denovo	9337079	(A/G)
19138	CakSNP19138	<i>Kabuli</i>	Ca_Kabuli_denovo	9337886	(G/A)
19139	CakSNP19139	<i>Kabuli</i>	Ca_Kabuli_denovo	9337907	(G/A)
19140	CakSNP19140	<i>Kabuli</i>	Ca_Kabuli_denovo	9341919	(G/A)
19141	CakSNP19141	<i>Kabuli</i>	Ca_Kabuli_denovo	9343441	(C/T)
19142	CakSNP19142	<i>Kabuli</i>	Ca_Kabuli_denovo	9343510	(A/C)
19143	CakSNP19143	<i>Kabuli</i>	Ca_Kabuli_denovo	9343631	(G/A)
19144	CakSNP19144	<i>Kabuli</i>	Ca_Kabuli_denovo	9349136	(G/A)
19145	CakSNP19145	<i>Kabuli</i>	Ca_Kabuli_denovo	9349164	(C/T)
19146	CakSNP19146	<i>Kabuli</i>	Ca_Kabuli_denovo	9360445	(T/C)
19147	CakSNP19147	<i>Kabuli</i>	Ca_Kabuli_denovo	9360845	(C/G)
19148	CakSNP19148	<i>Kabuli</i>	Ca_Kabuli_denovo	9361697	(A/G)
19149	CakSNP19149	<i>Kabuli</i>	Ca_Kabuli_denovo	9362542	(T/G)
19150	CakSNP19150	<i>Kabuli</i>	Ca_Kabuli_denovo	9364583	(A/G)
19151	CakSNP19151	<i>Kabuli</i>	Ca_Kabuli_denovo	9364589	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19152	CakSNP19152	<i>Kabuli</i>	Ca_Kabuli_denovo	9370733	(A/C)
19153	CakSNP19153	<i>Kabuli</i>	Ca_Kabuli_denovo	9373782	(A/G)
19154	CakSNP19154	<i>Kabuli</i>	Ca_Kabuli_denovo	9378726	(T/C)
19155	CakSNP19155	<i>Kabuli</i>	Ca_Kabuli_denovo	9380666	(A/G)
19156	CakSNP19156	<i>Kabuli</i>	Ca_Kabuli_denovo	9380693	(T/C)
19157	CakSNP19157	<i>Kabuli</i>	Ca_Kabuli_denovo	9383066	(T/C)
19158	CakSNP19158	<i>Kabuli</i>	Ca_Kabuli_denovo	9386351	(T/C)
19159	CakSNP19159	<i>Kabuli</i>	Ca_Kabuli_denovo	9389346	(C/T)
19160	CakSNP19160	<i>Kabuli</i>	Ca_Kabuli_denovo	9393532	(C/T)
19161	CakSNP19161	<i>Kabuli</i>	Ca_Kabuli_denovo	9394058	(G/A)
19162	CakSNP19162	<i>Kabuli</i>	Ca_Kabuli_denovo	9395983	(G/T)
19163	CakSNP19163	<i>Kabuli</i>	Ca_Kabuli_denovo	9396052	(G/A)
19164	CakSNP19164	<i>Kabuli</i>	Ca_Kabuli_denovo	9396286	(T/C)
19165	CakSNP19165	<i>Kabuli</i>	Ca_Kabuli_denovo	9396295	(T/C)
19166	CakSNP19166	<i>Kabuli</i>	Ca_Kabuli_denovo	9397435	(C/T)
19167	CakSNP19167	<i>Kabuli</i>	Ca_Kabuli_denovo	9397440	(T/A)
19168	CakSNP19168	<i>Kabuli</i>	Ca_Kabuli_denovo	9404461	(G/A)
19169	CakSNP19169	<i>Kabuli</i>	Ca_Kabuli_denovo	9404509	(T/C)
19170	CakSNP19170	<i>Kabuli</i>	Ca_Kabuli_denovo	9410160	(A/G)
19171	CakSNP19171	<i>Kabuli</i>	Ca_Kabuli_denovo	9412751	(G/C)
19172	CakSNP19172	<i>Kabuli</i>	Ca_Kabuli_denovo	9412760	(A/G)
19173	CakSNP19173	<i>Kabuli</i>	Ca_Kabuli_denovo	9414379	(T/G)
19174	CakSNP19174	<i>Kabuli</i>	Ca_Kabuli_denovo	9415076	(A/G)
19175	CakSNP19175	<i>Kabuli</i>	Ca_Kabuli_denovo	9415133	(G/A)
19176	CakSNP19176	<i>Kabuli</i>	Ca_Kabuli_denovo	9418681	(T/A)
19177	CakSNP19177	<i>Kabuli</i>	Ca_Kabuli_denovo	9421464	(A/C)
19178	CakSNP19178	<i>Kabuli</i>	Ca_Kabuli_denovo	9421521	(T/C)
19179	CakSNP19179	<i>Kabuli</i>	Ca_Kabuli_denovo	9425870	(T/C)
19180	CakSNP19180	<i>Kabuli</i>	Ca_Kabuli_denovo	9429363	(A/C)
19181	CakSNP19181	<i>Kabuli</i>	Ca_Kabuli_denovo	9432400	(T/C)
19182	CakSNP19182	<i>Kabuli</i>	Ca_Kabuli_denovo	9434348	(T/C)
19183	CakSNP19183	<i>Kabuli</i>	Ca_Kabuli_denovo	9434372	(T/G)
19184	CakSNP19184	<i>Kabuli</i>	Ca_Kabuli_denovo	9435488	(T/G)
19185	CakSNP19185	<i>Kabuli</i>	Ca_Kabuli_denovo	9437375	(A/G)
19186	CakSNP19186	<i>Kabuli</i>	Ca_Kabuli_denovo	9437396	(C/G)
19187	CakSNP19187	<i>Kabuli</i>	Ca_Kabuli_denovo	9437960	(C/T)
19188	CakSNP19188	<i>Kabuli</i>	Ca_Kabuli_denovo	9437977	(A/G)
19189	CakSNP19189	<i>Kabuli</i>	Ca_Kabuli_denovo	9438865	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19190	CakSNP19190	<i>Kabuli</i>	Ca_Kabuli_denovo	9442353	(G/C)
19191	CakSNP19191	<i>Kabuli</i>	Ca_Kabuli_denovo	9442362	(A/G)
19192	CakSNP19192	<i>Kabuli</i>	Ca_Kabuli_denovo	9444085	(T/C)
19193	CakSNP19193	<i>Kabuli</i>	Ca_Kabuli_denovo	9448354	(G/T)
19194	CakSNP19194	<i>Kabuli</i>	Ca_Kabuli_denovo	9452904	(G/A)
19195	CakSNP19195	<i>Kabuli</i>	Ca_Kabuli_denovo	9456475	(T/C)
19196	CakSNP19196	<i>Kabuli</i>	Ca_Kabuli_denovo	9456505	(T/G)
19197	CakSNP19197	<i>Kabuli</i>	Ca_Kabuli_denovo	9457401	(G/C)
19198	CakSNP19198	<i>Kabuli</i>	Ca_Kabuli_denovo	9462647	(A/G)
19199	CakSNP19199	<i>Kabuli</i>	Ca_Kabuli_denovo	9462650	(C/G)
19200	CakSNP19200	<i>Kabuli</i>	Ca_Kabuli_denovo	9469427	(G/C)
19201	CakSNP19201	<i>Kabuli</i>	Ca_Kabuli_denovo	9475012	(A/G)
19202	CakSNP19202	<i>Kabuli</i>	Ca_Kabuli_denovo	9479197	(G/C)
19203	CakSNP19203	<i>Kabuli</i>	Ca_Kabuli_denovo	9479611	(A/T)
19204	CakSNP19204	<i>Kabuli</i>	Ca_Kabuli_denovo	9482483	(T/C)
19205	CakSNP19205	<i>Kabuli</i>	Ca_Kabuli_denovo	9493569	(T/G)
19206	CakSNP19206	<i>Kabuli</i>	Ca_Kabuli_denovo	9493584	(T/G)
19207	CakSNP19207	<i>Kabuli</i>	Ca_Kabuli_denovo	9495891	(C/G)
19208	CakSNP19208	<i>Kabuli</i>	Ca_Kabuli_denovo	9495933	(T/G)
19209	CakSNP19209	<i>Kabuli</i>	Ca_Kabuli_denovo	9501269	(T/C)
19210	CakSNP19210	<i>Kabuli</i>	Ca_Kabuli_denovo	9503039	(G/T)
19211	CakSNP19211	<i>Kabuli</i>	Ca_Kabuli_denovo	9510912	(A/G)
19212	CakSNP19212	<i>Kabuli</i>	Ca_Kabuli_denovo	9511963	(C/T)
19213	CakSNP19213	<i>Kabuli</i>	Ca_Kabuli_denovo	9511976	(G/A)
19214	CakSNP19214	<i>Kabuli</i>	Ca_Kabuli_denovo	9513069	(C/T)
19215	CakSNP19215	<i>Kabuli</i>	Ca_Kabuli_denovo	9513373	(T/C)
19216	CakSNP19216	<i>Kabuli</i>	Ca_Kabuli_denovo	9513845	(G/A)
19217	CakSNP19217	<i>Kabuli</i>	Ca_Kabuli_denovo	9518015	(G/A)
19218	CakSNP19218	<i>Kabuli</i>	Ca_Kabuli_denovo	9519581	(C/T)
19219	CakSNP19219	<i>Kabuli</i>	Ca_Kabuli_denovo	9519617	(C/T)
19220	CakSNP19220	<i>Kabuli</i>	Ca_Kabuli_denovo	9519815	(A/G)
19221	CakSNP19221	<i>Kabuli</i>	Ca_Kabuli_denovo	9519824	(A/G)
19222	CakSNP19222	<i>Kabuli</i>	Ca_Kabuli_denovo	9522876	(C/G)
19223	CakSNP19223	<i>Kabuli</i>	Ca_Kabuli_denovo	9523870	(C/G)
19224	CakSNP19224	<i>Kabuli</i>	Ca_Kabuli_denovo	9523885	(C/T)
19225	CakSNP19225	<i>Kabuli</i>	Ca_Kabuli_denovo	9523894	(C/A)
19226	CakSNP19226	<i>Kabuli</i>	Ca_Kabuli_denovo	9524048	(A/G)
19227	CakSNP19227	<i>Kabuli</i>	Ca_Kabuli_denovo	9527559	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19228	CakSNP19228	<i>Kabuli</i>	Ca_Kabuli_denovo	9533107	(C/T)
19229	CakSNP19229	<i>Kabuli</i>	Ca_Kabuli_denovo	9533143	(C/T)
19230	CakSNP19230	<i>Kabuli</i>	Ca_Kabuli_denovo	9533629	(G/A)
19231	CakSNP19231	<i>Kabuli</i>	Ca_Kabuli_denovo	9533635	(A/G)
19232	CakSNP19232	<i>Kabuli</i>	Ca_Kabuli_denovo	9533903	(G/C)
19233	CakSNP19233	<i>Kabuli</i>	Ca_Kabuli_denovo	9533953	(G/T)
19234	CakSNP19234	<i>Kabuli</i>	Ca_Kabuli_denovo	9535405	(A/C)
19235	CakSNP19235	<i>Kabuli</i>	Ca_Kabuli_denovo	9535430	(A/C)
19236	CakSNP19236	<i>Kabuli</i>	Ca_Kabuli_denovo	9545146	(T/G)
19237	CakSNP19237	<i>Kabuli</i>	Ca_Kabuli_denovo	9545486	(A/T)
19238	CakSNP19238	<i>Kabuli</i>	Ca_Kabuli_denovo	9551035	(G/C)
19239	CakSNP19239	<i>Kabuli</i>	Ca_Kabuli_denovo	9554120	(A/G)
19240	CakSNP19240	<i>Kabuli</i>	Ca_Kabuli_denovo	9555017	(C/T)
19241	CakSNP19241	<i>Kabuli</i>	Ca_Kabuli_denovo	9555080	(T/C)
19242	CakSNP19242	<i>Kabuli</i>	Ca_Kabuli_denovo	9565532	(C/T)
19243	CakSNP19243	<i>Kabuli</i>	Ca_Kabuli_denovo	9565561	(T/G)
19244	CakSNP19244	<i>Kabuli</i>	Ca_Kabuli_denovo	9573858	(T/C)
19245	CakSNP19245	<i>Kabuli</i>	Ca_Kabuli_denovo	9585179	(T/C)
19246	CakSNP19246	<i>Kabuli</i>	Ca_Kabuli_denovo	9586184	(G/C)
19247	CakSNP19247	<i>Kabuli</i>	Ca_Kabuli_denovo	9595407	(C/G)
19248	CakSNP19248	<i>Kabuli</i>	Ca_Kabuli_denovo	9595430	(C/T)
19249	CakSNP19249	<i>Kabuli</i>	Ca_Kabuli_denovo	9595612	(T/G)
19250	CakSNP19250	<i>Kabuli</i>	Ca_Kabuli_denovo	9595624	(C/G)
19251	CakSNP19251	<i>Kabuli</i>	Ca_Kabuli_denovo	9602675	(T/C)
19252	CakSNP19252	<i>Kabuli</i>	Ca_Kabuli_denovo	9607619	(G/A)
19253	CakSNP19253	<i>Kabuli</i>	Ca_Kabuli_denovo	9608629	(C/T)
19254	CakSNP19254	<i>Kabuli</i>	Ca_Kabuli_denovo	9611662	(C/T)
19255	CakSNP19255	<i>Kabuli</i>	Ca_Kabuli_denovo	9611695	(A/C)
19256	CakSNP19256	<i>Kabuli</i>	Ca_Kabuli_denovo	9612481	(C/T)
19257	CakSNP19257	<i>Kabuli</i>	Ca_Kabuli_denovo	9615028	(G/T)
19258	CakSNP19258	<i>Kabuli</i>	Ca_Kabuli_denovo	9619205	(G/A)
19259	CakSNP19259	<i>Kabuli</i>	Ca_Kabuli_denovo	9622636	(A/C)
19260	CakSNP19260	<i>Kabuli</i>	Ca_Kabuli_denovo	9624793	(T/C)
19261	CakSNP19261	<i>Kabuli</i>	Ca_Kabuli_denovo	9626464	(G/A)
19262	CakSNP19262	<i>Kabuli</i>	Ca_Kabuli_denovo	9626469	(G/A)
19263	CakSNP19263	<i>Kabuli</i>	Ca_Kabuli_denovo	9626640	(G/T)
19264	CakSNP19264	<i>Kabuli</i>	Ca_Kabuli_denovo	9626684	(C/G)
19265	CakSNP19265	<i>Kabuli</i>	Ca_Kabuli_denovo	9627699	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19266	CakSNP19266	<i>Kabuli</i>	Ca_Kabuli_denovo	9628193	(A/G)
19267	CakSNP19267	<i>Kabuli</i>	Ca_Kabuli_denovo	9628195	(T/G)
19268	CakSNP19268	<i>Kabuli</i>	Ca_Kabuli_denovo	9633018	(A/C)
19269	CakSNP19269	<i>Kabuli</i>	Ca_Kabuli_denovo	9633019	(G/A)
19270	CakSNP19270	<i>Kabuli</i>	Ca_Kabuli_denovo	9634980	(C/G)
19271	CakSNP19271	<i>Kabuli</i>	Ca_Kabuli_denovo	9634986	(C/T)
19272	CakSNP19272	<i>Kabuli</i>	Ca_Kabuli_denovo	9635479	(G/A)
19273	CakSNP19273	<i>Kabuli</i>	Ca_Kabuli_denovo	9639661	(A/G)
19274	CakSNP19274	<i>Kabuli</i>	Ca_Kabuli_denovo	9639705	(C/A)
19275	CakSNP19275	<i>Kabuli</i>	Ca_Kabuli_denovo	9648137	(G/A)
19276	CakSNP19276	<i>Kabuli</i>	Ca_Kabuli_denovo	9650779	(A/G)
19277	CakSNP19277	<i>Kabuli</i>	Ca_Kabuli_denovo	9653500	(G/A)
19278	CakSNP19278	<i>Kabuli</i>	Ca_Kabuli_denovo	9653548	(G/T)
19279	CakSNP19279	<i>Kabuli</i>	Ca_Kabuli_denovo	9655416	(G/C)
19280	CakSNP19280	<i>Kabuli</i>	Ca_Kabuli_denovo	9655928	(C/G)
19281	CakSNP19281	<i>Kabuli</i>	Ca_Kabuli_denovo	9658278	(G/A)
19282	CakSNP19282	<i>Kabuli</i>	Ca_Kabuli_denovo	9660064	(C/G)
19283	CakSNP19283	<i>Kabuli</i>	Ca_Kabuli_denovo	9661613	(G/C)
19284	CakSNP19284	<i>Kabuli</i>	Ca_Kabuli_denovo	9664866	(C/T)
19285	CakSNP19285	<i>Kabuli</i>	Ca_Kabuli_denovo	9664901	(G/C)
19286	CakSNP19286	<i>Kabuli</i>	Ca_Kabuli_denovo	9668776	(G/T)
19287	CakSNP19287	<i>Kabuli</i>	Ca_Kabuli_denovo	9672444	(T/C)
19288	CakSNP19288	<i>Kabuli</i>	Ca_Kabuli_denovo	9672812	(G/A)
19289	CakSNP19289	<i>Kabuli</i>	Ca_Kabuli_denovo	9678908	(A/G)
19290	CakSNP19290	<i>Kabuli</i>	Ca_Kabuli_denovo	9678917	(C/T)
19291	CakSNP19291	<i>Kabuli</i>	Ca_Kabuli_denovo	9679714	(T/G)
19292	CakSNP19292	<i>Kabuli</i>	Ca_Kabuli_denovo	9681415	(G/C)
19293	CakSNP19293	<i>Kabuli</i>	Ca_Kabuli_denovo	9685223	(G/C)
19294	CakSNP19294	<i>Kabuli</i>	Ca_Kabuli_denovo	9689620	(A/G)
19295	CakSNP19295	<i>Kabuli</i>	Ca_Kabuli_denovo	9689670	(A/G)
19296	CakSNP19296	<i>Kabuli</i>	Ca_Kabuli_denovo	9699577	(C/T)
19297	CakSNP19297	<i>Kabuli</i>	Ca_Kabuli_denovo	9702980	(T/C)
19298	CakSNP19298	<i>Kabuli</i>	Ca_Kabuli_denovo	9702994	(T/C)
19299	CakSNP19299	<i>Kabuli</i>	Ca_Kabuli_denovo	9718247	(G/A)
19300	CakSNP19300	<i>Kabuli</i>	Ca_Kabuli_denovo	9718330	(C/A)
19301	CakSNP19301	<i>Kabuli</i>	Ca_Kabuli_denovo	9718375	(C/T)
19302	CakSNP19302	<i>Kabuli</i>	Ca_Kabuli_denovo	9719868	(T/C)
19303	CakSNP19303	<i>Kabuli</i>	Ca_Kabuli_denovo	9720016	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19304	CakSNP19304	<i>Kabuli</i>	Ca_Kabuli_denovo	9720034	(A/G)
19305	CakSNP19305	<i>Kabuli</i>	Ca_Kabuli_denovo	9725329	(A/C)
19306	CakSNP19306	<i>Kabuli</i>	Ca_Kabuli_denovo	9726829	(G/T)
19307	CakSNP19307	<i>Kabuli</i>	Ca_Kabuli_denovo	9726834	(T/C)
19308	CakSNP19308	<i>Kabuli</i>	Ca_Kabuli_denovo	9730519	(A/G)
19309	CakSNP19309	<i>Kabuli</i>	Ca_Kabuli_denovo	9730534	(C/A)
19310	CakSNP19310	<i>Kabuli</i>	Ca_Kabuli_denovo	9737591	(A/G)
19311	CakSNP19311	<i>Kabuli</i>	Ca_Kabuli_denovo	9738624	(A/C)
19312	CakSNP19312	<i>Kabuli</i>	Ca_Kabuli_denovo	9738660	(G/A)
19313	CakSNP19313	<i>Kabuli</i>	Ca_Kabuli_denovo	9739260	(A/C)
19314	CakSNP19314	<i>Kabuli</i>	Ca_Kabuli_denovo	9739831	(G/A)
19315	CakSNP19315	<i>Kabuli</i>	Ca_Kabuli_denovo	9741292	(C/A)
19316	CakSNP19316	<i>Kabuli</i>	Ca_Kabuli_denovo	9751264	(G/C)
19317	CakSNP19317	<i>Kabuli</i>	Ca_Kabuli_denovo	9751267	(C/T)
19318	CakSNP19318	<i>Kabuli</i>	Ca_Kabuli_denovo	9751700	(A/C)
19319	CakSNP19319	<i>Kabuli</i>	Ca_Kabuli_denovo	9751701	(G/A)
19320	CakSNP19320	<i>Kabuli</i>	Ca_Kabuli_denovo	9758471	(C/T)
19321	CakSNP19321	<i>Kabuli</i>	Ca_Kabuli_denovo	9765484	(C/G)
19322	CakSNP19322	<i>Kabuli</i>	Ca_Kabuli_denovo	9765523	(T/C)
19323	CakSNP19323	<i>Kabuli</i>	Ca_Kabuli_denovo	9766654	(C/T)
19324	CakSNP19324	<i>Kabuli</i>	Ca_Kabuli_denovo	9780824	(T/C)
19325	CakSNP19325	<i>Kabuli</i>	Ca_Kabuli_denovo	9780872	(T/C)
19326	CakSNP19326	<i>Kabuli</i>	Ca_Kabuli_denovo	9781196	(C/T)
19327	CakSNP19327	<i>Kabuli</i>	Ca_Kabuli_denovo	9781236	(A/G)
19328	CakSNP19328	<i>Kabuli</i>	Ca_Kabuli_denovo	9783341	(A/G)
19329	CakSNP19329	<i>Kabuli</i>	Ca_Kabuli_denovo	9786959	(G/C)
19330	CakSNP19330	<i>Kabuli</i>	Ca_Kabuli_denovo	9788350	(G/A)
19331	CakSNP19331	<i>Kabuli</i>	Ca_Kabuli_denovo	9788437	(T/C)
19332	CakSNP19332	<i>Kabuli</i>	Ca_Kabuli_denovo	9793854	(C/G)
19333	CakSNP19333	<i>Kabuli</i>	Ca_Kabuli_denovo	9802771	(T/G)
19334	CakSNP19334	<i>Kabuli</i>	Ca_Kabuli_denovo	9804090	(G/A)
19335	CakSNP19335	<i>Kabuli</i>	Ca_Kabuli_denovo	9804109	(C/T)
19336	CakSNP19336	<i>Kabuli</i>	Ca_Kabuli_denovo	9804576	(G/A)
19337	CakSNP19337	<i>Kabuli</i>	Ca_Kabuli_denovo	9809489	(T/C)
19338	CakSNP19338	<i>Kabuli</i>	Ca_Kabuli_denovo	9809493	(T/C)
19339	CakSNP19339	<i>Kabuli</i>	Ca_Kabuli_denovo	9815146	(G/T)
19340	CakSNP19340	<i>Kabuli</i>	Ca_Kabuli_denovo	9815151	(A/T)
19341	CakSNP19341	<i>Kabuli</i>	Ca_Kabuli_denovo	9823378	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19342	CakSNP19342	<i>Kabuli</i>	Ca_Kabuli_denovo	9830944	(C/T)
19343	CakSNP19343	<i>Kabuli</i>	Ca_Kabuli_denovo	9830977	(T/C)
19344	CakSNP19344	<i>Kabuli</i>	Ca_Kabuli_denovo	9832549	(G/A)
19345	CakSNP19345	<i>Kabuli</i>	Ca_Kabuli_denovo	9833972	(G/A)
19346	CakSNP19346	<i>Kabuli</i>	Ca_Kabuli_denovo	9836572	(G/T)
19347	CakSNP19347	<i>Kabuli</i>	Ca_Kabuli_denovo	9845280	(A/C)
19348	CakSNP19348	<i>Kabuli</i>	Ca_Kabuli_denovo	9845868	(T/C)
19349	CakSNP19349	<i>Kabuli</i>	Ca_Kabuli_denovo	9847577	(C/A)
19350	CakSNP19350	<i>Kabuli</i>	Ca_Kabuli_denovo	9847585	(G/A)
19351	CakSNP19351	<i>Kabuli</i>	Ca_Kabuli_denovo	9848680	(G/C)
19352	CakSNP19352	<i>Kabuli</i>	Ca_Kabuli_denovo	9850046	(A/G)
19353	CakSNP19353	<i>Kabuli</i>	Ca_Kabuli_denovo	9853101	(A/C)
19354	CakSNP19354	<i>Kabuli</i>	Ca_Kabuli_denovo	9863140	(A/G)
19355	CakSNP19355	<i>Kabuli</i>	Ca_Kabuli_denovo	9863513	(T/C)
19356	CakSNP19356	<i>Kabuli</i>	Ca_Kabuli_denovo	9863525	(G/C)
19357	CakSNP19357	<i>Kabuli</i>	Ca_Kabuli_denovo	9865957	(C/T)
19358	CakSNP19358	<i>Kabuli</i>	Ca_Kabuli_denovo	9870575	(T/C)
19359	CakSNP19359	<i>Kabuli</i>	Ca_Kabuli_denovo	9872528	(T/G)
19360	CakSNP19360	<i>Kabuli</i>	Ca_Kabuli_denovo	9872591	(C/G)
19361	CakSNP19361	<i>Kabuli</i>	Ca_Kabuli_denovo	9878441	(A/G)
19362	CakSNP19362	<i>Kabuli</i>	Ca_Kabuli_denovo	9880795	(C/G)
19363	CakSNP19363	<i>Kabuli</i>	Ca_Kabuli_denovo	9881788	(G/T)
19364	CakSNP19364	<i>Kabuli</i>	Ca_Kabuli_denovo	9881800	(A/G)
19365	CakSNP19365	<i>Kabuli</i>	Ca_Kabuli_denovo	9884524	(T/G)
19366	CakSNP19366	<i>Kabuli</i>	Ca_Kabuli_denovo	9885838	(G/C)
19367	CakSNP19367	<i>Kabuli</i>	Ca_Kabuli_denovo	9889813	(T/C)
19368	CakSNP19368	<i>Kabuli</i>	Ca_Kabuli_denovo	9891114	(G/T)
19369	CakSNP19369	<i>Kabuli</i>	Ca_Kabuli_denovo	9891158	(T/C)
19370	CakSNP19370	<i>Kabuli</i>	Ca_Kabuli_denovo	9891452	(A/G)
19371	CakSNP19371	<i>Kabuli</i>	Ca_Kabuli_denovo	9896914	(G/A)
19372	CakSNP19372	<i>Kabuli</i>	Ca_Kabuli_denovo	9896968	(G/A)
19373	CakSNP19373	<i>Kabuli</i>	Ca_Kabuli_denovo	9899452	(C/G)
19374	CakSNP19374	<i>Kabuli</i>	Ca_Kabuli_denovo	9901759	(C/T)
19375	CakSNP19375	<i>Kabuli</i>	Ca_Kabuli_denovo	9901779	(G/C)
19376	CakSNP19376	<i>Kabuli</i>	Ca_Kabuli_denovo	9908975	(T/C)
19377	CakSNP19377	<i>Kabuli</i>	Ca_Kabuli_denovo	9913858	(G/T)
19378	CakSNP19378	<i>Kabuli</i>	Ca_Kabuli_denovo	9913864	(G/A)
19379	CakSNP19379	<i>Kabuli</i>	Ca_Kabuli_denovo	9914830	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19380	CakSNP19380	<i>Kabuli</i>	Ca_Kabuli_denovo	9915716	(C/G)
19381	CakSNP19381	<i>Kabuli</i>	Ca_Kabuli_denovo	9915762	(T/G)
19382	CakSNP19382	<i>Kabuli</i>	Ca_Kabuli_denovo	9915772	(C/G)
19383	CakSNP19383	<i>Kabuli</i>	Ca_Kabuli_denovo	9918090	(C/A)
19384	CakSNP19384	<i>Kabuli</i>	Ca_Kabuli_denovo	9918838	(C/G)
19385	CakSNP19385	<i>Kabuli</i>	Ca_Kabuli_denovo	9918841	(A/G)
19386	CakSNP19386	<i>Kabuli</i>	Ca_Kabuli_denovo	9918853	(C/T)
19387	CakSNP19387	<i>Kabuli</i>	Ca_Kabuli_denovo	9923995	(C/T)
19388	CakSNP19388	<i>Kabuli</i>	Ca_Kabuli_denovo	9924598	(C/T)
19389	CakSNP19389	<i>Kabuli</i>	Ca_Kabuli_denovo	9924640	(T/A)
19390	CakSNP19390	<i>Kabuli</i>	Ca_Kabuli_denovo	9924819	(G/T)
19391	CakSNP19391	<i>Kabuli</i>	Ca_Kabuli_denovo	9924862	(G/A)
19392	CakSNP19392	<i>Kabuli</i>	Ca_Kabuli_denovo	9929093	(C/T)
19393	CakSNP19393	<i>Kabuli</i>	Ca_Kabuli_denovo	9932690	(G/A)
19394	CakSNP19394	<i>Kabuli</i>	Ca_Kabuli_denovo	9932696	(G/C)
19395	CakSNP19395	<i>Kabuli</i>	Ca_Kabuli_denovo	9933865	(G/C)
19396	CakSNP19396	<i>Kabuli</i>	Ca_Kabuli_denovo	9933889	(A/G)
19397	CakSNP19397	<i>Kabuli</i>	Ca_Kabuli_denovo	9937838	(T/C)
19398	CakSNP19398	<i>Kabuli</i>	Ca_Kabuli_denovo	9938641	(A/G)
19399	CakSNP19399	<i>Kabuli</i>	Ca_Kabuli_denovo	9938665	(G/C)
19400	CakSNP19400	<i>Kabuli</i>	Ca_Kabuli_denovo	9940609	(C/T)
19401	CakSNP19401	<i>Kabuli</i>	Ca_Kabuli_denovo	9942826	(T/C)
19402	CakSNP19402	<i>Kabuli</i>	Ca_Kabuli_denovo	9942846	(A/G)
19403	CakSNP19403	<i>Kabuli</i>	Ca_Kabuli_denovo	9947560	(A/C)
19404	CakSNP19404	<i>Kabuli</i>	Ca_Kabuli_denovo	9951000	(A/G)
19405	CakSNP19405	<i>Kabuli</i>	Ca_Kabuli_denovo	9962011	(G/A)
19406	CakSNP19406	<i>Kabuli</i>	Ca_Kabuli_denovo	9962035	(C/T)
19407	CakSNP19407	<i>Kabuli</i>	Ca_Kabuli_denovo	9973611	(G/T)
19408	CakSNP19408	<i>Kabuli</i>	Ca_Kabuli_denovo	9973617	(T/C)
19409	CakSNP19409	<i>Kabuli</i>	Ca_Kabuli_denovo	9973620	(A/G)
19410	CakSNP19410	<i>Kabuli</i>	Ca_Kabuli_denovo	9974899	(G/A)
19411	CakSNP19411	<i>Kabuli</i>	Ca_Kabuli_denovo	9976962	(T/C)
19412	CakSNP19412	<i>Kabuli</i>	Ca_Kabuli_denovo	9976966	(A/G)
19413	CakSNP19413	<i>Kabuli</i>	Ca_Kabuli_denovo	9981376	(A/C)
19414	CakSNP19414	<i>Kabuli</i>	Ca_Kabuli_denovo	9981406	(G/T)
19415	CakSNP19415	<i>Kabuli</i>	Ca_Kabuli_denovo	9985529	(C/G)
19416	CakSNP19416	<i>Kabuli</i>	Ca_Kabuli_denovo	9985544	(C/G)
19417	CakSNP19417	<i>Kabuli</i>	Ca_Kabuli_denovo	9996966	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19418	CakSNP19418	<i>Kabuli</i>	Ca_Kabuli_denovo	9996979	(G/T)
19419	CakSNP19419	<i>Kabuli</i>	Ca_Kabuli_denovo	10003680	(G/T)
19420	CakSNP19420	<i>Kabuli</i>	Ca_Kabuli_denovo	10008824	(T/C)
19421	CakSNP19421	<i>Kabuli</i>	Ca_Kabuli_denovo	10009526	(T/C)
19422	CakSNP19422	<i>Kabuli</i>	Ca_Kabuli_denovo	10012784	(A/G)
19423	CakSNP19423	<i>Kabuli</i>	Ca_Kabuli_denovo	10012811	(G/C)
19424	CakSNP19424	<i>Kabuli</i>	Ca_Kabuli_denovo	10013047	(C/T)
19425	CakSNP19425	<i>Kabuli</i>	Ca_Kabuli_denovo	10013311	(A/C)
19426	CakSNP19426	<i>Kabuli</i>	Ca_Kabuli_denovo	10013608	(T/C)
19427	CakSNP19427	<i>Kabuli</i>	Ca_Kabuli_denovo	10013617	(T/G)
19428	CakSNP19428	<i>Kabuli</i>	Ca_Kabuli_denovo	10015026	(C/G)
19429	CakSNP19429	<i>Kabuli</i>	Ca_Kabuli_denovo	10015729	(T/G)
19430	CakSNP19430	<i>Kabuli</i>	Ca_Kabuli_denovo	10016049	(C/A)
19431	CakSNP19431	<i>Kabuli</i>	Ca_Kabuli_denovo	10019860	(A/G)
19432	CakSNP19432	<i>Kabuli</i>	Ca_Kabuli_denovo	10019905	(A/G)
19433	CakSNP19433	<i>Kabuli</i>	Ca_Kabuli_denovo	10022721	(T/C)
19434	CakSNP19434	<i>Kabuli</i>	Ca_Kabuli_denovo	10022740	(C/A)
19435	CakSNP19435	<i>Kabuli</i>	Ca_Kabuli_denovo	10032574	(T/C)
19436	CakSNP19436	<i>Kabuli</i>	Ca_Kabuli_denovo	10032577	(T/G)
19437	CakSNP19437	<i>Kabuli</i>	Ca_Kabuli_denovo	10039375	(C/G)
19438	CakSNP19438	<i>Kabuli</i>	Ca_Kabuli_denovo	10039400	(C/T)
19439	CakSNP19439	<i>Kabuli</i>	Ca_Kabuli_denovo	10040960	(T/C)
19440	CakSNP19440	<i>Kabuli</i>	Ca_Kabuli_denovo	10041262	(T/G)
19441	CakSNP19441	<i>Kabuli</i>	Ca_Kabuli_denovo	10043768	(T/C)
19442	CakSNP19442	<i>Kabuli</i>	Ca_Kabuli_denovo	10045315	(A/G)
19443	CakSNP19443	<i>Kabuli</i>	Ca_Kabuli_denovo	10045339	(C/G)
19444	CakSNP19444	<i>Kabuli</i>	Ca_Kabuli_denovo	10061400	(T/C)
19445	CakSNP19445	<i>Kabuli</i>	Ca_Kabuli_denovo	10061401	(T/C)
19446	CakSNP19446	<i>Kabuli</i>	Ca_Kabuli_denovo	10061405	(C/G)
19447	CakSNP19447	<i>Kabuli</i>	Ca_Kabuli_denovo	10068192	(T/C)
19448	CakSNP19448	<i>Kabuli</i>	Ca_Kabuli_denovo	10070360	(G/C)
19449	CakSNP19449	<i>Kabuli</i>	Ca_Kabuli_denovo	10077413	(C/T)
19450	CakSNP19450	<i>Kabuli</i>	Ca_Kabuli_denovo	10077418	(C/T)
19451	CakSNP19451	<i>Kabuli</i>	Ca_Kabuli_denovo	10078621	(C/T)
19452	CakSNP19452	<i>Kabuli</i>	Ca_Kabuli_denovo	10084025	(T/C)
19453	CakSNP19453	<i>Kabuli</i>	Ca_Kabuli_denovo	10086513	(A/G)
19454	CakSNP19454	<i>Kabuli</i>	Ca_Kabuli_denovo	10086534	(C/T)
19455	CakSNP19455	<i>Kabuli</i>	Ca_Kabuli_denovo	10088290	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19456	CakSNP19456	<i>Kabuli</i>	Ca_Kabuli_denovo	10090741	(G/C)
19457	CakSNP19457	<i>Kabuli</i>	Ca_Kabuli_denovo	10090793	(G/A)
19458	CakSNP19458	<i>Kabuli</i>	Ca_Kabuli_denovo	10091452	(G/C)
19459	CakSNP19459	<i>Kabuli</i>	Ca_Kabuli_denovo	10091458	(C/T)
19460	CakSNP19460	<i>Kabuli</i>	Ca_Kabuli_denovo	10093966	(A/G)
19461	CakSNP19461	<i>Kabuli</i>	Ca_Kabuli_denovo	10093969	(C/A)
19462	CakSNP19462	<i>Kabuli</i>	Ca_Kabuli_denovo	10096801	(A/G)
19463	CakSNP19463	<i>Kabuli</i>	Ca_Kabuli_denovo	10096810	(C/T)
19464	CakSNP19464	<i>Kabuli</i>	Ca_Kabuli_denovo	10097986	(T/C)
19465	CakSNP19465	<i>Kabuli</i>	Ca_Kabuli_denovo	10101482	(C/T)
19466	CakSNP19466	<i>Kabuli</i>	Ca_Kabuli_denovo	10101496	(C/T)
19467	CakSNP19467	<i>Kabuli</i>	Ca_Kabuli_denovo	10103354	(T/G)
19468	CakSNP19468	<i>Kabuli</i>	Ca_Kabuli_denovo	10103399	(A/C)
19469	CakSNP19469	<i>Kabuli</i>	Ca_Kabuli_denovo	10104830	(C/T)
19470	CakSNP19470	<i>Kabuli</i>	Ca_Kabuli_denovo	10104864	(G/A)
19471	CakSNP19471	<i>Kabuli</i>	Ca_Kabuli_denovo	10109044	(C/G)
19472	CakSNP19472	<i>Kabuli</i>	Ca_Kabuli_denovo	10112518	(A/C)
19473	CakSNP19473	<i>Kabuli</i>	Ca_Kabuli_denovo	10112928	(A/C)
19474	CakSNP19474	<i>Kabuli</i>	Ca_Kabuli_denovo	10112950	(G/C)
19475	CakSNP19475	<i>Kabuli</i>	Ca_Kabuli_denovo	10117322	(C/T)
19476	CakSNP19476	<i>Kabuli</i>	Ca_Kabuli_denovo	10117331	(T/G)
19477	CakSNP19477	<i>Kabuli</i>	Ca_Kabuli_denovo	10124748	(A/G)
19478	CakSNP19478	<i>Kabuli</i>	Ca_Kabuli_denovo	10124801	(G/A)
19479	CakSNP19479	<i>Kabuli</i>	Ca_Kabuli_denovo	10129566	(G/C)
19480	CakSNP19480	<i>Kabuli</i>	Ca_Kabuli_denovo	10129575	(T/C)
19481	CakSNP19481	<i>Kabuli</i>	Ca_Kabuli_denovo	10137026	(C/G)
19482	CakSNP19482	<i>Kabuli</i>	Ca_Kabuli_denovo	10137050	(T/C)
19483	CakSNP19483	<i>Kabuli</i>	Ca_Kabuli_denovo	10138779	(A/C)
19484	CakSNP19484	<i>Kabuli</i>	Ca_Kabuli_denovo	10141306	(G/T)
19485	CakSNP19485	<i>Kabuli</i>	Ca_Kabuli_denovo	10141307	(T/C)
19486	CakSNP19486	<i>Kabuli</i>	Ca_Kabuli_denovo	10141954	(A/G)
19487	CakSNP19487	<i>Kabuli</i>	Ca_Kabuli_denovo	10142443	(C/T)
19488	CakSNP19488	<i>Kabuli</i>	Ca_Kabuli_denovo	10145154	(A/G)
19489	CakSNP19489	<i>Kabuli</i>	Ca_Kabuli_denovo	10149666	(T/C)
19490	CakSNP19490	<i>Kabuli</i>	Ca_Kabuli_denovo	10149781	(G/A)
19491	CakSNP19491	<i>Kabuli</i>	Ca_Kabuli_denovo	10149790	(A/G)
19492	CakSNP19492	<i>Kabuli</i>	Ca_Kabuli_denovo	10149841	(T/C)
19493	CakSNP19493	<i>Kabuli</i>	Ca_Kabuli_denovo	10149869	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19494	CakSNP19494	<i>Kabuli</i>	Ca_Kabuli_denovo	10156177	(T/C)
19495	CakSNP19495	<i>Kabuli</i>	Ca_Kabuli_denovo	10156216	(G/C)
19496	CakSNP19496	<i>Kabuli</i>	Ca_Kabuli_denovo	10168295	(G/A)
19497	CakSNP19497	<i>Kabuli</i>	Ca_Kabuli_denovo	10168335	(A/G)
19498	CakSNP19498	<i>Kabuli</i>	Ca_Kabuli_denovo	10169966	(G/A)
19499	CakSNP19499	<i>Kabuli</i>	Ca_Kabuli_denovo	10169996	(A/G)
19500	CakSNP19500	<i>Kabuli</i>	Ca_Kabuli_denovo	10171792	(A/C)
19501	CakSNP19501	<i>Kabuli</i>	Ca_Kabuli_denovo	10171816	(A/G)
19502	CakSNP19502	<i>Kabuli</i>	Ca_Kabuli_denovo	10175611	(A/C)
19503	CakSNP19503	<i>Kabuli</i>	Ca_Kabuli_denovo	10177607	(A/G)
19504	CakSNP19504	<i>Kabuli</i>	Ca_Kabuli_denovo	10177613	(T/C)
19505	CakSNP19505	<i>Kabuli</i>	Ca_Kabuli_denovo	10178789	(G/C)
19506	CakSNP19506	<i>Kabuli</i>	Ca_Kabuli_denovo	10178804	(C/T)
19507	CakSNP19507	<i>Kabuli</i>	Ca_Kabuli_denovo	10190673	(A/G)
19508	CakSNP19508	<i>Kabuli</i>	Ca_Kabuli_denovo	10194406	(C/T)
19509	CakSNP19509	<i>Kabuli</i>	Ca_Kabuli_denovo	10194475	(A/G)
19510	CakSNP19510	<i>Kabuli</i>	Ca_Kabuli_denovo	10205609	(G/A)
19511	CakSNP19511	<i>Kabuli</i>	Ca_Kabuli_denovo	10210572	(G/T)
19512	CakSNP19512	<i>Kabuli</i>	Ca_Kabuli_denovo	10213833	(A/C)
19513	CakSNP19513	<i>Kabuli</i>	Ca_Kabuli_denovo	10217093	(C/G)
19514	CakSNP19514	<i>Kabuli</i>	Ca_Kabuli_denovo	10217104	(A/C)
19515	CakSNP19515	<i>Kabuli</i>	Ca_Kabuli_denovo	10225142	(C/T)
19516	CakSNP19516	<i>Kabuli</i>	Ca_Kabuli_denovo	10225149	(G/A)
19517	CakSNP19517	<i>Kabuli</i>	Ca_Kabuli_denovo	10228761	(A/G)
19518	CakSNP19518	<i>Kabuli</i>	Ca_Kabuli_denovo	10228762	(G/A)
19519	CakSNP19519	<i>Kabuli</i>	Ca_Kabuli_denovo	10230849	(G/T)
19520	CakSNP19520	<i>Kabuli</i>	Ca_Kabuli_denovo	10230851	(T/C)
19521	CakSNP19521	<i>Kabuli</i>	Ca_Kabuli_denovo	10236737	(C/T)
19522	CakSNP19522	<i>Kabuli</i>	Ca_Kabuli_denovo	10254467	(C/T)
19523	CakSNP19523	<i>Kabuli</i>	Ca_Kabuli_denovo	10255898	(A/G)
19524	CakSNP19524	<i>Kabuli</i>	Ca_Kabuli_denovo	10256594	(C/G)
19525	CakSNP19525	<i>Kabuli</i>	Ca_Kabuli_denovo	10257196	(A/G)
19526	CakSNP19526	<i>Kabuli</i>	Ca_Kabuli_denovo	10261646	(T/C)
19527	CakSNP19527	<i>Kabuli</i>	Ca_Kabuli_denovo	10261700	(G/C)
19528	CakSNP19528	<i>Kabuli</i>	Ca_Kabuli_denovo	10262876	(C/T)
19529	CakSNP19529	<i>Kabuli</i>	Ca_Kabuli_denovo	10263678	(A/G)
19530	CakSNP19530	<i>Kabuli</i>	Ca_Kabuli_denovo	10265917	(C/T)
19531	CakSNP19531	<i>Kabuli</i>	Ca_Kabuli_denovo	10265974	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19532	CakSNP19532	<i>Kabuli</i>	Ca_Kabuli_denovo	10269550	(C/T)
19533	CakSNP19533	<i>Kabuli</i>	Ca_Kabuli_denovo	10269607	(T/G)
19534	CakSNP19534	<i>Kabuli</i>	Ca_Kabuli_denovo	10274756	(G/T)
19535	CakSNP19535	<i>Kabuli</i>	Ca_Kabuli_denovo	10274772	(T/C)
19536	CakSNP19536	<i>Kabuli</i>	Ca_Kabuli_denovo	10279030	(C/T)
19537	CakSNP19537	<i>Kabuli</i>	Ca_Kabuli_denovo	10280444	(A/G)
19538	CakSNP19538	<i>Kabuli</i>	Ca_Kabuli_denovo	10286367	(T/C)
19539	CakSNP19539	<i>Kabuli</i>	Ca_Kabuli_denovo	10288899	(T/A)
19540	CakSNP19540	<i>Kabuli</i>	Ca_Kabuli_denovo	10288969	(C/T)
19541	CakSNP19541	<i>Kabuli</i>	Ca_Kabuli_denovo	10290935	(A/G)
19542	CakSNP19542	<i>Kabuli</i>	Ca_Kabuli_denovo	10291504	(G/A)
19543	CakSNP19543	<i>Kabuli</i>	Ca_Kabuli_denovo	10291534	(C/T)
19544	CakSNP19544	<i>Kabuli</i>	Ca_Kabuli_denovo	10292621	(T/C)
19545	CakSNP19545	<i>Kabuli</i>	Ca_Kabuli_denovo	10300039	(G/A)
19546	CakSNP19546	<i>Kabuli</i>	Ca_Kabuli_denovo	10309223	(C/G)
19547	CakSNP19547	<i>Kabuli</i>	Ca_Kabuli_denovo	10313066	(G/A)
19548	CakSNP19548	<i>Kabuli</i>	Ca_Kabuli_denovo	10313087	(A/G)
19549	CakSNP19549	<i>Kabuli</i>	Ca_Kabuli_denovo	10313600	(T/C)
19550	CakSNP19550	<i>Kabuli</i>	Ca_Kabuli_denovo	10320550	(G/C)
19551	CakSNP19551	<i>Kabuli</i>	Ca_Kabuli_denovo	10320553	(C/T)
19552	CakSNP19552	<i>Kabuli</i>	Ca_Kabuli_denovo	10321987	(T/A)
19553	CakSNP19553	<i>Kabuli</i>	Ca_Kabuli_denovo	10322002	(T/C)
19554	CakSNP19554	<i>Kabuli</i>	Ca_Kabuli_denovo	10324130	(C/G)
19555	CakSNP19555	<i>Kabuli</i>	Ca_Kabuli_denovo	10324205	(G/C)
19556	CakSNP19556	<i>Kabuli</i>	Ca_Kabuli_denovo	10328878	(T/C)
19557	CakSNP19557	<i>Kabuli</i>	Ca_Kabuli_denovo	10329076	(C/T)
19558	CakSNP19558	<i>Kabuli</i>	Ca_Kabuli_denovo	10332868	(G/A)
19559	CakSNP19559	<i>Kabuli</i>	Ca_Kabuli_denovo	10336212	(C/T)
19560	CakSNP19560	<i>Kabuli</i>	Ca_Kabuli_denovo	10336214	(C/T)
19561	CakSNP19561	<i>Kabuli</i>	Ca_Kabuli_denovo	10336794	(G/C)
19562	CakSNP19562	<i>Kabuli</i>	Ca_Kabuli_denovo	10339873	(C/T)
19563	CakSNP19563	<i>Kabuli</i>	Ca_Kabuli_denovo	10340283	(T/C)
19564	CakSNP19564	<i>Kabuli</i>	Ca_Kabuli_denovo	10349134	(G/T)
19565	CakSNP19565	<i>Kabuli</i>	Ca_Kabuli_denovo	10352881	(A/C)
19566	CakSNP19566	<i>Kabuli</i>	Ca_Kabuli_denovo	10352883	(A/G)
19567	CakSNP19567	<i>Kabuli</i>	Ca_Kabuli_denovo	10359340	(T/G)
19568	CakSNP19568	<i>Kabuli</i>	Ca_Kabuli_denovo	10362271	(C/T)
19569	CakSNP19569	<i>Kabuli</i>	Ca_Kabuli_denovo	10362307	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19570	CakSNP19570	<i>Kabuli</i>	Ca_Kabuli_denovo	10371987	(T/G)
19571	CakSNP19571	<i>Kabuli</i>	Ca_Kabuli_denovo	10382340	(G/C)
19572	CakSNP19572	<i>Kabuli</i>	Ca_Kabuli_denovo	10382402	(T/C)
19573	CakSNP19573	<i>Kabuli</i>	Ca_Kabuli_denovo	10386409	(C/T)
19574	CakSNP19574	<i>Kabuli</i>	Ca_Kabuli_denovo	10387229	(G/A)
19575	CakSNP19575	<i>Kabuli</i>	Ca_Kabuli_denovo	10388512	(A/G)
19576	CakSNP19576	<i>Kabuli</i>	Ca_Kabuli_denovo	10389471	(G/A)
19577	CakSNP19577	<i>Kabuli</i>	Ca_Kabuli_denovo	10397284	(C/T)
19578	CakSNP19578	<i>Kabuli</i>	Ca_Kabuli_denovo	10397306	(C/G)
19579	CakSNP19579	<i>Kabuli</i>	Ca_Kabuli_denovo	10398136	(C/T)
19580	CakSNP19580	<i>Kabuli</i>	Ca_Kabuli_denovo	10400788	(G/C)
19581	CakSNP19581	<i>Kabuli</i>	Ca_Kabuli_denovo	10404768	(A/G)
19582	CakSNP19582	<i>Kabuli</i>	Ca_Kabuli_denovo	10404818	(G/A)
19583	CakSNP19583	<i>Kabuli</i>	Ca_Kabuli_denovo	10407328	(C/G)
19584	CakSNP19584	<i>Kabuli</i>	Ca_Kabuli_denovo	10413612	(A/G)
19585	CakSNP19585	<i>Kabuli</i>	Ca_Kabuli_denovo	10415506	(T/C)
19586	CakSNP19586	<i>Kabuli</i>	Ca_Kabuli_denovo	10417123	(G/C)
19587	CakSNP19587	<i>Kabuli</i>	Ca_Kabuli_denovo	10417126	(A/G)
19588	CakSNP19588	<i>Kabuli</i>	Ca_Kabuli_denovo	10420396	(C/T)
19589	CakSNP19589	<i>Kabuli</i>	Ca_Kabuli_denovo	10420453	(T/G)
19590	CakSNP19590	<i>Kabuli</i>	Ca_Kabuli_denovo	10421757	(G/A)
19591	CakSNP19591	<i>Kabuli</i>	Ca_Kabuli_denovo	10421896	(C/A)
19592	CakSNP19592	<i>Kabuli</i>	Ca_Kabuli_denovo	10423550	(C/T)
19593	CakSNP19593	<i>Kabuli</i>	Ca_Kabuli_denovo	10423580	(T/C)
19594	CakSNP19594	<i>Kabuli</i>	Ca_Kabuli_denovo	10426889	(T/C)
19595	CakSNP19595	<i>Kabuli</i>	Ca_Kabuli_denovo	10426931	(G/A)
19596	CakSNP19596	<i>Kabuli</i>	Ca_Kabuli_denovo	10427834	(G/C)
19597	CakSNP19597	<i>Kabuli</i>	Ca_Kabuli_denovo	10427835	(C/T)
19598	CakSNP19598	<i>Kabuli</i>	Ca_Kabuli_denovo	10427855	(T/C)
19599	CakSNP19599	<i>Kabuli</i>	Ca_Kabuli_denovo	10428671	(G/A)
19600	CakSNP19600	<i>Kabuli</i>	Ca_Kabuli_denovo	10428677	(G/T)
19601	CakSNP19601	<i>Kabuli</i>	Ca_Kabuli_denovo	10433563	(T/G)
19602	CakSNP19602	<i>Kabuli</i>	Ca_Kabuli_denovo	10434056	(G/A)
19603	CakSNP19603	<i>Kabuli</i>	Ca_Kabuli_denovo	10434071	(G/T)
19604	CakSNP19604	<i>Kabuli</i>	Ca_Kabuli_denovo	10434715	(T/C)
19605	CakSNP19605	<i>Kabuli</i>	Ca_Kabuli_denovo	10438263	(A/C)
19606	CakSNP19606	<i>Kabuli</i>	Ca_Kabuli_denovo	10438309	(A/C)
19607	CakSNP19607	<i>Kabuli</i>	Ca_Kabuli_denovo	10449585	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19608	CakSNP19608	<i>Kabuli</i>	Ca_Kabuli_denovo	10453372	(G/A)
19609	CakSNP19609	<i>Kabuli</i>	Ca_Kabuli_denovo	10457782	(A/G)
19610	CakSNP19610	<i>Kabuli</i>	Ca_Kabuli_denovo	10462185	(T/G)
19611	CakSNP19611	<i>Kabuli</i>	Ca_Kabuli_denovo	10463932	(A/G)
19612	CakSNP19612	<i>Kabuli</i>	Ca_Kabuli_denovo	10466745	(C/T)
19613	CakSNP19613	<i>Kabuli</i>	Ca_Kabuli_denovo	10466768	(C/T)
19614	CakSNP19614	<i>Kabuli</i>	Ca_Kabuli_denovo	10471964	(A/G)
19615	CakSNP19615	<i>Kabuli</i>	Ca_Kabuli_denovo	10474267	(A/C)
19616	CakSNP19616	<i>Kabuli</i>	Ca_Kabuli_denovo	10474993	(G/A)
19617	CakSNP19617	<i>Kabuli</i>	Ca_Kabuli_denovo	10475020	(C/G)
19618	CakSNP19618	<i>Kabuli</i>	Ca_Kabuli_denovo	10476143	(A/C)
19619	CakSNP19619	<i>Kabuli</i>	Ca_Kabuli_denovo	10478166	(G/A)
19620	CakSNP19620	<i>Kabuli</i>	Ca_Kabuli_denovo	10478171	(C/T)
19621	CakSNP19621	<i>Kabuli</i>	Ca_Kabuli_denovo	10480186	(G/A)
19622	CakSNP19622	<i>Kabuli</i>	Ca_Kabuli_denovo	10480247	(G/A)
19623	CakSNP19623	<i>Kabuli</i>	Ca_Kabuli_denovo	10480562	(A/G)
19624	CakSNP19624	<i>Kabuli</i>	Ca_Kabuli_denovo	10487489	(C/T)
19625	CakSNP19625	<i>Kabuli</i>	Ca_Kabuli_denovo	10487501	(C/T)
19626	CakSNP19626	<i>Kabuli</i>	Ca_Kabuli_denovo	10487719	(C/A)
19627	CakSNP19627	<i>Kabuli</i>	Ca_Kabuli_denovo	10488191	(G/A)
19628	CakSNP19628	<i>Kabuli</i>	Ca_Kabuli_denovo	10488218	(T/C)
19629	CakSNP19629	<i>Kabuli</i>	Ca_Kabuli_denovo	10490833	(T/G)
19630	CakSNP19630	<i>Kabuli</i>	Ca_Kabuli_denovo	10490857	(C/T)
19631	CakSNP19631	<i>Kabuli</i>	Ca_Kabuli_denovo	10491343	(G/A)
19632	CakSNP19632	<i>Kabuli</i>	Ca_Kabuli_denovo	10491421	(A/C)
19633	CakSNP19633	<i>Kabuli</i>	Ca_Kabuli_denovo	10504586	(T/A)
19634	CakSNP19634	<i>Kabuli</i>	Ca_Kabuli_denovo	10509436	(C/T)
19635	CakSNP19635	<i>Kabuli</i>	Ca_Kabuli_denovo	10520172	(A/G)
19636	CakSNP19636	<i>Kabuli</i>	Ca_Kabuli_denovo	10521045	(C/T)
19637	CakSNP19637	<i>Kabuli</i>	Ca_Kabuli_denovo	10522423	(C/T)
19638	CakSNP19638	<i>Kabuli</i>	Ca_Kabuli_denovo	10526136	(T/C)
19639	CakSNP19639	<i>Kabuli</i>	Ca_Kabuli_denovo	10526145	(C/T)
19640	CakSNP19640	<i>Kabuli</i>	Ca_Kabuli_denovo	10527066	(C/A)
19641	CakSNP19641	<i>Kabuli</i>	Ca_Kabuli_denovo	10528013	(A/G)
19642	CakSNP19642	<i>Kabuli</i>	Ca_Kabuli_denovo	10538248	(G/A)
19643	CakSNP19643	<i>Kabuli</i>	Ca_Kabuli_denovo	10544632	(A/G)
19644	CakSNP19644	<i>Kabuli</i>	Ca_Kabuli_denovo	10546885	(A/G)
19645	CakSNP19645	<i>Kabuli</i>	Ca_Kabuli_denovo	10555780	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19646	CakSNP19646	<i>Kabuli</i>	Ca_Kabuli_denovo	10558499	(C/T)
19647	CakSNP19647	<i>Kabuli</i>	Ca_Kabuli_denovo	10558812	(T/C)
19648	CakSNP19648	<i>Kabuli</i>	Ca_Kabuli_denovo	10559975	(A/G)
19649	CakSNP19649	<i>Kabuli</i>	Ca_Kabuli_denovo	10563440	(G/A)
19650	CakSNP19650	<i>Kabuli</i>	Ca_Kabuli_denovo	10566203	(C/G)
19651	CakSNP19651	<i>Kabuli</i>	Ca_Kabuli_denovo	10580621	(G/A)
19652	CakSNP19652	<i>Kabuli</i>	Ca_Kabuli_denovo	10583596	(G/A)
19653	CakSNP19653	<i>Kabuli</i>	Ca_Kabuli_denovo	10586396	(G/A)
19654	CakSNP19654	<i>Kabuli</i>	Ca_Kabuli_denovo	10586476	(A/G)
19655	CakSNP19655	<i>Kabuli</i>	Ca_Kabuli_denovo	10587347	(T/C)
19656	CakSNP19656	<i>Kabuli</i>	Ca_Kabuli_denovo	10587505	(C/G)
19657	CakSNP19657	<i>Kabuli</i>	Ca_Kabuli_denovo	10597388	(C/G)
19658	CakSNP19658	<i>Kabuli</i>	Ca_Kabuli_denovo	10597948	(T/C)
19659	CakSNP19659	<i>Kabuli</i>	Ca_Kabuli_denovo	10601860	(C/T)
19660	CakSNP19660	<i>Kabuli</i>	Ca_Kabuli_denovo	10602584	(A/G)
19661	CakSNP19661	<i>Kabuli</i>	Ca_Kabuli_denovo	10604019	(C/T)
19662	CakSNP19662	<i>Kabuli</i>	Ca_Kabuli_denovo	10608370	(C/T)
19663	CakSNP19663	<i>Kabuli</i>	Ca_Kabuli_denovo	10609543	(G/A)
19664	CakSNP19664	<i>Kabuli</i>	Ca_Kabuli_denovo	10612490	(G/A)
19665	CakSNP19665	<i>Kabuli</i>	Ca_Kabuli_denovo	10613546	(T/G)
19666	CakSNP19666	<i>Kabuli</i>	Ca_Kabuli_denovo	10614294	(C/T)
19667	CakSNP19667	<i>Kabuli</i>	Ca_Kabuli_denovo	10614905	(G/A)
19668	CakSNP19668	<i>Kabuli</i>	Ca_Kabuli_denovo	10619587	(G/A)
19669	CakSNP19669	<i>Kabuli</i>	Ca_Kabuli_denovo	10623248	(A/G)
19670	CakSNP19670	<i>Kabuli</i>	Ca_Kabuli_denovo	10625948	(C/A)
19671	CakSNP19671	<i>Kabuli</i>	Ca_Kabuli_denovo	10625976	(A/T)
19672	CakSNP19672	<i>Kabuli</i>	Ca_Kabuli_denovo	10633747	(C/T)
19673	CakSNP19673	<i>Kabuli</i>	Ca_Kabuli_denovo	10634473	(A/G)
19674	CakSNP19674	<i>Kabuli</i>	Ca_Kabuli_denovo	10634539	(C/G)
19675	CakSNP19675	<i>Kabuli</i>	Ca_Kabuli_denovo	10635906	(G/A)
19676	CakSNP19676	<i>Kabuli</i>	Ca_Kabuli_denovo	10636722	(T/G)
19677	CakSNP19677	<i>Kabuli</i>	Ca_Kabuli_denovo	10636753	(T/C)
19678	CakSNP19678	<i>Kabuli</i>	Ca_Kabuli_denovo	10638379	(C/T)
19679	CakSNP19679	<i>Kabuli</i>	Ca_Kabuli_denovo	10638416	(C/T)
19680	CakSNP19680	<i>Kabuli</i>	Ca_Kabuli_denovo	10639123	(T/C)
19681	CakSNP19681	<i>Kabuli</i>	Ca_Kabuli_denovo	10639199	(A/C)
19682	CakSNP19682	<i>Kabuli</i>	Ca_Kabuli_denovo	10639200	(G/T)
19683	CakSNP19683	<i>Kabuli</i>	Ca_Kabuli_denovo	10639201	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19684	CakSNP19684	<i>Kabuli</i>	Ca_Kabuli_denovo	10645075	(G/A)
19685	CakSNP19685	<i>Kabuli</i>	Ca_Kabuli_denovo	10648894	(A/C)
19686	CakSNP19686	<i>Kabuli</i>	Ca_Kabuli_denovo	10648964	(A/G)
19687	CakSNP19687	<i>Kabuli</i>	Ca_Kabuli_denovo	10651838	(C/T)
19688	CakSNP19688	<i>Kabuli</i>	Ca_Kabuli_denovo	10652481	(A/G)
19689	CakSNP19689	<i>Kabuli</i>	Ca_Kabuli_denovo	10652486	(T/C)
19690	CakSNP19690	<i>Kabuli</i>	Ca_Kabuli_denovo	10660520	(G/A)
19691	CakSNP19691	<i>Kabuli</i>	Ca_Kabuli_denovo	10675025	(A/G)
19692	CakSNP19692	<i>Kabuli</i>	Ca_Kabuli_denovo	10675052	(G/A)
19693	CakSNP19693	<i>Kabuli</i>	Ca_Kabuli_denovo	10675879	(A/G)
19694	CakSNP19694	<i>Kabuli</i>	Ca_Kabuli_denovo	10682359	(A/G)
19695	CakSNP19695	<i>Kabuli</i>	Ca_Kabuli_denovo	10685319	(T/A)
19696	CakSNP19696	<i>Kabuli</i>	Ca_Kabuli_denovo	10690207	(C/A)
19697	CakSNP19697	<i>Kabuli</i>	Ca_Kabuli_denovo	10690236	(T/C)
19698	CakSNP19698	<i>Kabuli</i>	Ca_Kabuli_denovo	10704771	(C/T)
19699	CakSNP19699	<i>Kabuli</i>	Ca_Kabuli_denovo	10704772	(C/T)
19700	CakSNP19700	<i>Kabuli</i>	Ca_Kabuli_denovo	10709211	(G/A)
19701	CakSNP19701	<i>Kabuli</i>	Ca_Kabuli_denovo	10709212	(C/T)
19702	CakSNP19702	<i>Kabuli</i>	Ca_Kabuli_denovo	10711513	(C/T)
19703	CakSNP19703	<i>Kabuli</i>	Ca_Kabuli_denovo	10717240	(C/T)
19704	CakSNP19704	<i>Kabuli</i>	Ca_Kabuli_denovo	10725261	(T/C)
19705	CakSNP19705	<i>Kabuli</i>	Ca_Kabuli_denovo	10725280	(A/G)
19706	CakSNP19706	<i>Kabuli</i>	Ca_Kabuli_denovo	10726837	(T/G)
19707	CakSNP19707	<i>Kabuli</i>	Ca_Kabuli_denovo	10726857	(A/G)
19708	CakSNP19708	<i>Kabuli</i>	Ca_Kabuli_denovo	10727523	(C/T)
19709	CakSNP19709	<i>Kabuli</i>	Ca_Kabuli_denovo	10737510	(A/C)
19710	CakSNP19710	<i>Kabuli</i>	Ca_Kabuli_denovo	10737559	(A/G)
19711	CakSNP19711	<i>Kabuli</i>	Ca_Kabuli_denovo	10744775	(G/A)
19712	CakSNP19712	<i>Kabuli</i>	Ca_Kabuli_denovo	10748089	(T/C)
19713	CakSNP19713	<i>Kabuli</i>	Ca_Kabuli_denovo	10748469	(T/G)
19714	CakSNP19714	<i>Kabuli</i>	Ca_Kabuli_denovo	10750888	(A/G)
19715	CakSNP19715	<i>Kabuli</i>	Ca_Kabuli_denovo	10750911	(T/C)
19716	CakSNP19716	<i>Kabuli</i>	Ca_Kabuli_denovo	10750941	(G/A)
19717	CakSNP19717	<i>Kabuli</i>	Ca_Kabuli_denovo	10765332	(C/T)
19718	CakSNP19718	<i>Kabuli</i>	Ca_Kabuli_denovo	10774154	(C/A)
19719	CakSNP19719	<i>Kabuli</i>	Ca_Kabuli_denovo	10774193	(A/G)
19720	CakSNP19720	<i>Kabuli</i>	Ca_Kabuli_denovo	10779799	(C/G)
19721	CakSNP19721	<i>Kabuli</i>	Ca_Kabuli_denovo	10779817	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19722	CakSNP19722	<i>Kabuli</i>	Ca_Kabuli_denovo	10784206	(C/G)
19723	CakSNP19723	<i>Kabuli</i>	Ca_Kabuli_denovo	10785716	(C/G)
19724	CakSNP19724	<i>Kabuli</i>	Ca_Kabuli_denovo	10793538	(C/T)
19725	CakSNP19725	<i>Kabuli</i>	Ca_Kabuli_denovo	10801968	(C/G)
19726	CakSNP19726	<i>Kabuli</i>	Ca_Kabuli_denovo	10802297	(T/C)
19727	CakSNP19727	<i>Kabuli</i>	Ca_Kabuli_denovo	10802312	(A/G)
19728	CakSNP19728	<i>Kabuli</i>	Ca_Kabuli_denovo	10804689	(A/C)
19729	CakSNP19729	<i>Kabuli</i>	Ca_Kabuli_denovo	10804725	(A/C)
19730	CakSNP19730	<i>Kabuli</i>	Ca_Kabuli_denovo	10815305	(C/T)
19731	CakSNP19731	<i>Kabuli</i>	Ca_Kabuli_denovo	10816024	(A/G)
19732	CakSNP19732	<i>Kabuli</i>	Ca_Kabuli_denovo	10820299	(T/C)
19733	CakSNP19733	<i>Kabuli</i>	Ca_Kabuli_denovo	10820305	(T/G)
19734	CakSNP19734	<i>Kabuli</i>	Ca_Kabuli_denovo	10827752	(T/C)
19735	CakSNP19735	<i>Kabuli</i>	Ca_Kabuli_denovo	10827766	(C/G)
19736	CakSNP19736	<i>Kabuli</i>	Ca_Kabuli_denovo	10829958	(G/C)
19737	CakSNP19737	<i>Kabuli</i>	Ca_Kabuli_denovo	10830004	(C/T)
19738	CakSNP19738	<i>Kabuli</i>	Ca_Kabuli_denovo	10836808	(T/G)
19739	CakSNP19739	<i>Kabuli</i>	Ca_Kabuli_denovo	10837882	(A/G)
19740	CakSNP19740	<i>Kabuli</i>	Ca_Kabuli_denovo	10837892	(A/C)
19741	CakSNP19741	<i>Kabuli</i>	Ca_Kabuli_denovo	10843751	(G/A)
19742	CakSNP19742	<i>Kabuli</i>	Ca_Kabuli_denovo	10852994	(G/T)
19743	CakSNP19743	<i>Kabuli</i>	Ca_Kabuli_denovo	10853440	(C/A)
19744	CakSNP19744	<i>Kabuli</i>	Ca_Kabuli_denovo	10855184	(A/C)
19745	CakSNP19745	<i>Kabuli</i>	Ca_Kabuli_denovo	10859383	(A/G)
19746	CakSNP19746	<i>Kabuli</i>	Ca_Kabuli_denovo	10859422	(C/T)
19747	CakSNP19747	<i>Kabuli</i>	Ca_Kabuli_denovo	10863716	(A/C)
19748	CakSNP19748	<i>Kabuli</i>	Ca_Kabuli_denovo	10863767	(C/T)
19749	CakSNP19749	<i>Kabuli</i>	Ca_Kabuli_denovo	10867451	(C/A)
19750	CakSNP19750	<i>Kabuli</i>	Ca_Kabuli_denovo	10868177	(C/T)
19751	CakSNP19751	<i>Kabuli</i>	Ca_Kabuli_denovo	10871629	(C/T)
19752	CakSNP19752	<i>Kabuli</i>	Ca_Kabuli_denovo	10871630	(G/A)
19753	CakSNP19753	<i>Kabuli</i>	Ca_Kabuli_denovo	10872857	(C/A)
19754	CakSNP19754	<i>Kabuli</i>	Ca_Kabuli_denovo	10872867	(T/G)
19755	CakSNP19755	<i>Kabuli</i>	Ca_Kabuli_denovo	10873672	(G/C)
19756	CakSNP19756	<i>Kabuli</i>	Ca_Kabuli_denovo	10879509	(A/G)
19757	CakSNP19757	<i>Kabuli</i>	Ca_Kabuli_denovo	10880917	(G/C)
19758	CakSNP19758	<i>Kabuli</i>	Ca_Kabuli_denovo	10882337	(C/G)
19759	CakSNP19759	<i>Kabuli</i>	Ca_Kabuli_denovo	10884357	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19760	CakSNP19760	<i>Kabuli</i>	Ca_Kabuli_denovo	10884407	(A/T)
19761	CakSNP19761	<i>Kabuli</i>	Ca_Kabuli_denovo	10894351	(C/A)
19762	CakSNP19762	<i>Kabuli</i>	Ca_Kabuli_denovo	10894895	(A/G)
19763	CakSNP19763	<i>Kabuli</i>	Ca_Kabuli_denovo	10894913	(T/C)
19764	CakSNP19764	<i>Kabuli</i>	Ca_Kabuli_denovo	10897663	(C/T)
19765	CakSNP19765	<i>Kabuli</i>	Ca_Kabuli_denovo	10905659	(A/G)
19766	CakSNP19766	<i>Kabuli</i>	Ca_Kabuli_denovo	10929918	(A/T)
19767	CakSNP19767	<i>Kabuli</i>	Ca_Kabuli_denovo	10930163	(G/T)
19768	CakSNP19768	<i>Kabuli</i>	Ca_Kabuli_denovo	10935880	(C/T)
19769	CakSNP19769	<i>Kabuli</i>	Ca_Kabuli_denovo	10935937	(A/C)
19770	CakSNP19770	<i>Kabuli</i>	Ca_Kabuli_denovo	10936993	(A/G)
19771	CakSNP19771	<i>Kabuli</i>	Ca_Kabuli_denovo	10942394	(A/G)
19772	CakSNP19772	<i>Kabuli</i>	Ca_Kabuli_denovo	10942431	(A/G)
19773	CakSNP19773	<i>Kabuli</i>	Ca_Kabuli_denovo	10943375	(T/C)
19774	CakSNP19774	<i>Kabuli</i>	Ca_Kabuli_denovo	10943443	(C/T)
19775	CakSNP19775	<i>Kabuli</i>	Ca_Kabuli_denovo	10945287	(G/A)
19776	CakSNP19776	<i>Kabuli</i>	Ca_Kabuli_denovo	10945318	(G/C)
19777	CakSNP19777	<i>Kabuli</i>	Ca_Kabuli_denovo	10951393	(G/T)
19778	CakSNP19778	<i>Kabuli</i>	Ca_Kabuli_denovo	10951395	(A/G)
19779	CakSNP19779	<i>Kabuli</i>	Ca_Kabuli_denovo	10957310	(C/T)
19780	CakSNP19780	<i>Kabuli</i>	Ca_Kabuli_denovo	10958307	(C/T)
19781	CakSNP19781	<i>Kabuli</i>	Ca_Kabuli_denovo	10958312	(C/A)
19782	CakSNP19782	<i>Kabuli</i>	Ca_Kabuli_denovo	10959965	(C/G)
19783	CakSNP19783	<i>Kabuli</i>	Ca_Kabuli_denovo	10960754	(G/A)
19784	CakSNP19784	<i>Kabuli</i>	Ca_Kabuli_denovo	10964203	(C/T)
19785	CakSNP19785	<i>Kabuli</i>	Ca_Kabuli_denovo	10964227	(G/A)
19786	CakSNP19786	<i>Kabuli</i>	Ca_Kabuli_denovo	10971033	(G/A)
19787	CakSNP19787	<i>Kabuli</i>	Ca_Kabuli_denovo	10971053	(G/C)
19788	CakSNP19788	<i>Kabuli</i>	Ca_Kabuli_denovo	10977079	(A/C)
19789	CakSNP19789	<i>Kabuli</i>	Ca_Kabuli_denovo	10978239	(A/G)
19790	CakSNP19790	<i>Kabuli</i>	Ca_Kabuli_denovo	10978244	(G/A)
19791	CakSNP19791	<i>Kabuli</i>	Ca_Kabuli_denovo	10978256	(C/G)
19792	CakSNP19792	<i>Kabuli</i>	Ca_Kabuli_denovo	10985386	(T/C)
19793	CakSNP19793	<i>Kabuli</i>	Ca_Kabuli_denovo	10985566	(A/G)
19794	CakSNP19794	<i>Kabuli</i>	Ca_Kabuli_denovo	10985567	(T/C)
19795	CakSNP19795	<i>Kabuli</i>	Ca_Kabuli_denovo	10986704	(C/G)
19796	CakSNP19796	<i>Kabuli</i>	Ca_Kabuli_denovo	10986710	(C/G)
19797	CakSNP19797	<i>Kabuli</i>	Ca_Kabuli_denovo	10987146	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19798	CakSNP19798	<i>Kabuli</i>	Ca_Kabuli_denovo	10987152	(T/A)
19799	CakSNP19799	<i>Kabuli</i>	Ca_Kabuli_denovo	10989989	(T/G)
19800	CakSNP19800	<i>Kabuli</i>	Ca_Kabuli_denovo	10994002	(C/T)
19801	CakSNP19801	<i>Kabuli</i>	Ca_Kabuli_denovo	10994032	(T/C)
19802	CakSNP19802	<i>Kabuli</i>	Ca_Kabuli_denovo	10996772	(C/T)
19803	CakSNP19803	<i>Kabuli</i>	Ca_Kabuli_denovo	11000849	(G/C)
19804	CakSNP19804	<i>Kabuli</i>	Ca_Kabuli_denovo	11000856	(C/G)
19805	CakSNP19805	<i>Kabuli</i>	Ca_Kabuli_denovo	11009676	(C/T)
19806	CakSNP19806	<i>Kabuli</i>	Ca_Kabuli_denovo	11015742	(G/A)
19807	CakSNP19807	<i>Kabuli</i>	Ca_Kabuli_denovo	11018664	(C/A)
19808	CakSNP19808	<i>Kabuli</i>	Ca_Kabuli_denovo	11018718	(C/G)
19809	CakSNP19809	<i>Kabuli</i>	Ca_Kabuli_denovo	11022673	(C/G)
19810	CakSNP19810	<i>Kabuli</i>	Ca_Kabuli_denovo	11022685	(T/C)
19811	CakSNP19811	<i>Kabuli</i>	Ca_Kabuli_denovo	11022766	(C/T)
19812	CakSNP19812	<i>Kabuli</i>	Ca_Kabuli_denovo	11025360	(A/C)
19813	CakSNP19813	<i>Kabuli</i>	Ca_Kabuli_denovo	11025765	(C/G)
19814	CakSNP19814	<i>Kabuli</i>	Ca_Kabuli_denovo	11035425	(C/T)
19815	CakSNP19815	<i>Kabuli</i>	Ca_Kabuli_denovo	11035455	(C/G)
19816	CakSNP19816	<i>Kabuli</i>	Ca_Kabuli_denovo	11038835	(C/G)
19817	CakSNP19817	<i>Kabuli</i>	Ca_Kabuli_denovo	11038859	(T/C)
19818	CakSNP19818	<i>Kabuli</i>	Ca_Kabuli_denovo	11041618	(G/A)
19819	CakSNP19819	<i>Kabuli</i>	Ca_Kabuli_denovo	11041631	(A/G)
19820	CakSNP19820	<i>Kabuli</i>	Ca_Kabuli_denovo	11049997	(A/G)
19821	CakSNP19821	<i>Kabuli</i>	Ca_Kabuli_denovo	11050024	(G/A)
19822	CakSNP19822	<i>Kabuli</i>	Ca_Kabuli_denovo	11052623	(T/G)
19823	CakSNP19823	<i>Kabuli</i>	Ca_Kabuli_denovo	11052626	(T/C)
19824	CakSNP19824	<i>Kabuli</i>	Ca_Kabuli_denovo	11059845	(G/A)
19825	CakSNP19825	<i>Kabuli</i>	Ca_Kabuli_denovo	11060901	(G/C)
19826	CakSNP19826	<i>Kabuli</i>	Ca_Kabuli_denovo	11063106	(T/A)
19827	CakSNP19827	<i>Kabuli</i>	Ca_Kabuli_denovo	11078845	(G/C)
19828	CakSNP19828	<i>Kabuli</i>	Ca_Kabuli_denovo	11081534	(T/C)
19829	CakSNP19829	<i>Kabuli</i>	Ca_Kabuli_denovo	11081662	(C/T)
19830	CakSNP19830	<i>Kabuli</i>	Ca_Kabuli_denovo	11083492	(G/A)
19831	CakSNP19831	<i>Kabuli</i>	Ca_Kabuli_denovo	11083548	(G/A)
19832	CakSNP19832	<i>Kabuli</i>	Ca_Kabuli_denovo	11086369	(G/A)
19833	CakSNP19833	<i>Kabuli</i>	Ca_Kabuli_denovo	11099095	(G/A)
19834	CakSNP19834	<i>Kabuli</i>	Ca_Kabuli_denovo	11101450	(A/G)
19835	CakSNP19835	<i>Kabuli</i>	Ca_Kabuli_denovo	11101462	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19836	CakSNP19836	<i>Kabuli</i>	Ca_Kabuli_denovo	11114537	(G/C)
19837	CakSNP19837	<i>Kabuli</i>	Ca_Kabuli_denovo	11116590	(A/G)
19838	CakSNP19838	<i>Kabuli</i>	Ca_Kabuli_denovo	11116620	(T/C)
19839	CakSNP19839	<i>Kabuli</i>	Ca_Kabuli_denovo	11117655	(A/C)
19840	CakSNP19840	<i>Kabuli</i>	Ca_Kabuli_denovo	11127124	(T/C)
19841	CakSNP19841	<i>Kabuli</i>	Ca_Kabuli_denovo	11129839	(G/A)
19842	CakSNP19842	<i>Kabuli</i>	Ca_Kabuli_denovo	11132036	(G/C)
19843	CakSNP19843	<i>Kabuli</i>	Ca_Kabuli_denovo	11136790	(A/G)
19844	CakSNP19844	<i>Kabuli</i>	Ca_Kabuli_denovo	11136841	(C/T)
19845	CakSNP19845	<i>Kabuli</i>	Ca_Kabuli_denovo	11137317	(G/A)
19846	CakSNP19846	<i>Kabuli</i>	Ca_Kabuli_denovo	11137921	(G/T)
19847	CakSNP19847	<i>Kabuli</i>	Ca_Kabuli_denovo	11143568	(A/G)
19848	CakSNP19848	<i>Kabuli</i>	Ca_Kabuli_denovo	11144773	(A/G)
19849	CakSNP19849	<i>Kabuli</i>	Ca_Kabuli_denovo	11144842	(A/C)
19850	CakSNP19850	<i>Kabuli</i>	Ca_Kabuli_denovo	11146079	(C/A)
19851	CakSNP19851	<i>Kabuli</i>	Ca_Kabuli_denovo	11161889	(G/T)
19852	CakSNP19852	<i>Kabuli</i>	Ca_Kabuli_denovo	11162483	(G/T)
19853	CakSNP19853	<i>Kabuli</i>	Ca_Kabuli_denovo	11162500	(A/G)
19854	CakSNP19854	<i>Kabuli</i>	Ca_Kabuli_denovo	11165328	(A/G)
19855	CakSNP19855	<i>Kabuli</i>	Ca_Kabuli_denovo	11165347	(A/C)
19856	CakSNP19856	<i>Kabuli</i>	Ca_Kabuli_denovo	11171823	(G/T)
19857	CakSNP19857	<i>Kabuli</i>	Ca_Kabuli_denovo	11172625	(A/G)
19858	CakSNP19858	<i>Kabuli</i>	Ca_Kabuli_denovo	11172634	(A/G)
19859	CakSNP19859	<i>Kabuli</i>	Ca_Kabuli_denovo	11174544	(G/T)
19860	CakSNP19860	<i>Kabuli</i>	Ca_Kabuli_denovo	11174567	(A/G)
19861	CakSNP19861	<i>Kabuli</i>	Ca_Kabuli_denovo	11177330	(C/G)
19862	CakSNP19862	<i>Kabuli</i>	Ca_Kabuli_denovo	11185106	(C/G)
19863	CakSNP19863	<i>Kabuli</i>	Ca_Kabuli_denovo	11188583	(G/C)
19864	CakSNP19864	<i>Kabuli</i>	Ca_Kabuli_denovo	11193535	(C/G)
19865	CakSNP19865	<i>Kabuli</i>	Ca_Kabuli_denovo	11193573	(G/A)
19866	CakSNP19866	<i>Kabuli</i>	Ca_Kabuli_denovo	11195851	(G/T)
19867	CakSNP19867	<i>Kabuli</i>	Ca_Kabuli_denovo	11204126	(C/T)
19868	CakSNP19868	<i>Kabuli</i>	Ca_Kabuli_denovo	11204171	(A/C)
19869	CakSNP19869	<i>Kabuli</i>	Ca_Kabuli_denovo	11205211	(G/A)
19870	CakSNP19870	<i>Kabuli</i>	Ca_Kabuli_denovo	11205220	(C/A)
19871	CakSNP19871	<i>Kabuli</i>	Ca_Kabuli_denovo	11205976	(A/G)
19872	CakSNP19872	<i>Kabuli</i>	Ca_Kabuli_denovo	11205991	(C/T)
19873	CakSNP19873	<i>Kabuli</i>	Ca_Kabuli_denovo	11207799	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19874	CakSNP19874	<i>Kabuli</i>	Ca_Kabuli_denovo	11210096	(T/C)
19875	CakSNP19875	<i>Kabuli</i>	Ca_Kabuli_denovo	11212029	(T/C)
19876	CakSNP19876	<i>Kabuli</i>	Ca_Kabuli_denovo	11212077	(A/G)
19877	CakSNP19877	<i>Kabuli</i>	Ca_Kabuli_denovo	11212273	(G/C)
19878	CakSNP19878	<i>Kabuli</i>	Ca_Kabuli_denovo	11212276	(A/G)
19879	CakSNP19879	<i>Kabuli</i>	Ca_Kabuli_denovo	11226427	(A/G)
19880	CakSNP19880	<i>Kabuli</i>	Ca_Kabuli_denovo	11226478	(C/G)
19881	CakSNP19881	<i>Kabuli</i>	Ca_Kabuli_denovo	11232178	(C/A)
19882	CakSNP19882	<i>Kabuli</i>	Ca_Kabuli_denovo	11232208	(T/C)
19883	CakSNP19883	<i>Kabuli</i>	Ca_Kabuli_denovo	11235535	(T/C)
19884	CakSNP19884	<i>Kabuli</i>	Ca_Kabuli_denovo	11238073	(G/A)
19885	CakSNP19885	<i>Kabuli</i>	Ca_Kabuli_denovo	11238076	(C/G)
19886	CakSNP19886	<i>Kabuli</i>	Ca_Kabuli_denovo	11243846	(C/T)
19887	CakSNP19887	<i>Kabuli</i>	Ca_Kabuli_denovo	11247995	(G/A)
19888	CakSNP19888	<i>Kabuli</i>	Ca_Kabuli_denovo	11251636	(A/G)
19889	CakSNP19889	<i>Kabuli</i>	Ca_Kabuli_denovo	11253863	(C/T)
19890	CakSNP19890	<i>Kabuli</i>	Ca_Kabuli_denovo	11253937	(C/T)
19891	CakSNP19891	<i>Kabuli</i>	Ca_Kabuli_denovo	11253941	(G/T)
19892	CakSNP19892	<i>Kabuli</i>	Ca_Kabuli_denovo	11254529	(C/A)
19893	CakSNP19893	<i>Kabuli</i>	Ca_Kabuli_denovo	11254535	(G/C)
19894	CakSNP19894	<i>Kabuli</i>	Ca_Kabuli_denovo	11257861	(A/G)
19895	CakSNP19895	<i>Kabuli</i>	Ca_Kabuli_denovo	11257890	(T/C)
19896	CakSNP19896	<i>Kabuli</i>	Ca_Kabuli_denovo	11260640	(C/T)
19897	CakSNP19897	<i>Kabuli</i>	Ca_Kabuli_denovo	11261285	(T/G)
19898	CakSNP19898	<i>Kabuli</i>	Ca_Kabuli_denovo	11263910	(C/T)
19899	CakSNP19899	<i>Kabuli</i>	Ca_Kabuli_denovo	11264488	(A/G)
19900	CakSNP19900	<i>Kabuli</i>	Ca_Kabuli_denovo	11266340	(C/G)
19901	CakSNP19901	<i>Kabuli</i>	Ca_Kabuli_denovo	11268597	(A/G)
19902	CakSNP19902	<i>Kabuli</i>	Ca_Kabuli_denovo	11269385	(C/A)
19903	CakSNP19903	<i>Kabuli</i>	Ca_Kabuli_denovo	11274782	(G/A)
19904	CakSNP19904	<i>Kabuli</i>	Ca_Kabuli_denovo	11274830	(A/G)
19905	CakSNP19905	<i>Kabuli</i>	Ca_Kabuli_denovo	11276474	(C/T)
19906	CakSNP19906	<i>Kabuli</i>	Ca_Kabuli_denovo	11281562	(A/G)
19907	CakSNP19907	<i>Kabuli</i>	Ca_Kabuli_denovo	11282591	(A/T)
19908	CakSNP19908	<i>Kabuli</i>	Ca_Kabuli_denovo	11284197	(C/T)
19909	CakSNP19909	<i>Kabuli</i>	Ca_Kabuli_denovo	11284218	(A/G)
19910	CakSNP19910	<i>Kabuli</i>	Ca_Kabuli_denovo	11294318	(T/C)
19911	CakSNP19911	<i>Kabuli</i>	Ca_Kabuli_denovo	11294360	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19912	CakSNP19912	<i>Kabuli</i>	Ca_Kabuli_denovo	11298034	(A/G)
19913	CakSNP19913	<i>Kabuli</i>	Ca_Kabuli_denovo	11302009	(A/G)
19914	CakSNP19914	<i>Kabuli</i>	Ca_Kabuli_denovo	11303066	(G/A)
19915	CakSNP19915	<i>Kabuli</i>	Ca_Kabuli_denovo	11303067	(C/G)
19916	CakSNP19916	<i>Kabuli</i>	Ca_Kabuli_denovo	11303075	(A/G)
19917	CakSNP19917	<i>Kabuli</i>	Ca_Kabuli_denovo	11305242	(C/G)
19918	CakSNP19918	<i>Kabuli</i>	Ca_Kabuli_denovo	11311346	(G/A)
19919	CakSNP19919	<i>Kabuli</i>	Ca_Kabuli_denovo	11311355	(C/G)
19920	CakSNP19920	<i>Kabuli</i>	Ca_Kabuli_denovo	11313010	(G/A)
19921	CakSNP19921	<i>Kabuli</i>	Ca_Kabuli_denovo	11313019	(G/T)
19922	CakSNP19922	<i>Kabuli</i>	Ca_Kabuli_denovo	11320821	(C/T)
19923	CakSNP19923	<i>Kabuli</i>	Ca_Kabuli_denovo	11320852	(C/T)
19924	CakSNP19924	<i>Kabuli</i>	Ca_Kabuli_denovo	11320859	(C/G)
19925	CakSNP19925	<i>Kabuli</i>	Ca_Kabuli_denovo	11321893	(C/A)
19926	CakSNP19926	<i>Kabuli</i>	Ca_Kabuli_denovo	11322134	(A/G)
19927	CakSNP19927	<i>Kabuli</i>	Ca_Kabuli_denovo	11322171	(A/G)
19928	CakSNP19928	<i>Kabuli</i>	Ca_Kabuli_denovo	11322424	(G/A)
19929	CakSNP19929	<i>Kabuli</i>	Ca_Kabuli_denovo	11328453	(T/C)
19930	CakSNP19930	<i>Kabuli</i>	Ca_Kabuli_denovo	11328457	(A/G)
19931	CakSNP19931	<i>Kabuli</i>	Ca_Kabuli_denovo	11330932	(A/C)
19932	CakSNP19932	<i>Kabuli</i>	Ca_Kabuli_denovo	11335776	(T/C)
19933	CakSNP19933	<i>Kabuli</i>	Ca_Kabuli_denovo	11335791	(T/C)
19934	CakSNP19934	<i>Kabuli</i>	Ca_Kabuli_denovo	11336858	(T/C)
19935	CakSNP19935	<i>Kabuli</i>	Ca_Kabuli_denovo	11337191	(G/A)
19936	CakSNP19936	<i>Kabuli</i>	Ca_Kabuli_denovo	11338105	(G/C)
19937	CakSNP19937	<i>Kabuli</i>	Ca_Kabuli_denovo	11338164	(A/T)
19938	CakSNP19938	<i>Kabuli</i>	Ca_Kabuli_denovo	11338385	(G/A)
19939	CakSNP19939	<i>Kabuli</i>	Ca_Kabuli_denovo	11338391	(C/G)
19940	CakSNP19940	<i>Kabuli</i>	Ca_Kabuli_denovo	11346296	(G/T)
19941	CakSNP19941	<i>Kabuli</i>	Ca_Kabuli_denovo	11353664	(T/C)
19942	CakSNP19942	<i>Kabuli</i>	Ca_Kabuli_denovo	11361169	(G/C)
19943	CakSNP19943	<i>Kabuli</i>	Ca_Kabuli_denovo	11361193	(C/A)
19944	CakSNP19944	<i>Kabuli</i>	Ca_Kabuli_denovo	11361211	(A/G)
19945	CakSNP19945	<i>Kabuli</i>	Ca_Kabuli_denovo	11361500	(G/C)
19946	CakSNP19946	<i>Kabuli</i>	Ca_Kabuli_denovo	11361520	(C/T)
19947	CakSNP19947	<i>Kabuli</i>	Ca_Kabuli_denovo	11375757	(C/T)
19948	CakSNP19948	<i>Kabuli</i>	Ca_Kabuli_denovo	11378866	(C/T)
19949	CakSNP19949	<i>Kabuli</i>	Ca_Kabuli_denovo	11378886	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19950	CakSNP19950	<i>Kabuli</i>	Ca_Kabuli_denovo	11386105	(C/T)
19951	CakSNP19951	<i>Kabuli</i>	Ca_Kabuli_denovo	11386154	(C/G)
19952	CakSNP19952	<i>Kabuli</i>	Ca_Kabuli_denovo	11389200	(G/C)
19953	CakSNP19953	<i>Kabuli</i>	Ca_Kabuli_denovo	11393292	(C/T)
19954	CakSNP19954	<i>Kabuli</i>	Ca_Kabuli_denovo	11400208	(C/G)
19955	CakSNP19955	<i>Kabuli</i>	Ca_Kabuli_denovo	11400582	(C/A)
19956	CakSNP19956	<i>Kabuli</i>	Ca_Kabuli_denovo	11402566	(C/T)
19957	CakSNP19957	<i>Kabuli</i>	Ca_Kabuli_denovo	11403286	(A/G)
19958	CakSNP19958	<i>Kabuli</i>	Ca_Kabuli_denovo	11407953	(A/G)
19959	CakSNP19959	<i>Kabuli</i>	Ca_Kabuli_denovo	11416225	(A/G)
19960	CakSNP19960	<i>Kabuli</i>	Ca_Kabuli_denovo	11430755	(A/G)
19961	CakSNP19961	<i>Kabuli</i>	Ca_Kabuli_denovo	11434250	(T/G)
19962	CakSNP19962	<i>Kabuli</i>	Ca_Kabuli_denovo	11441548	(G/C)
19963	CakSNP19963	<i>Kabuli</i>	Ca_Kabuli_denovo	11441557	(T/C)
19964	CakSNP19964	<i>Kabuli</i>	Ca_Kabuli_denovo	11452594	(T/C)
19965	CakSNP19965	<i>Kabuli</i>	Ca_Kabuli_denovo	11452603	(A/G)
19966	CakSNP19966	<i>Kabuli</i>	Ca_Kabuli_denovo	11455379	(G/T)
19967	CakSNP19967	<i>Kabuli</i>	Ca_Kabuli_denovo	11455475	(T/C)
19968	CakSNP19968	<i>Kabuli</i>	Ca_Kabuli_denovo	11455484	(C/G)
19969	CakSNP19969	<i>Kabuli</i>	Ca_Kabuli_denovo	11467373	(G/A)
19970	CakSNP19970	<i>Kabuli</i>	Ca_Kabuli_denovo	11483928	(G/A)
19971	CakSNP19971	<i>Kabuli</i>	Ca_Kabuli_denovo	11485151	(G/A)
19972	CakSNP19972	<i>Kabuli</i>	Ca_Kabuli_denovo	11485417	(C/A)
19973	CakSNP19973	<i>Kabuli</i>	Ca_Kabuli_denovo	11489691	(A/G)
19974	CakSNP19974	<i>Kabuli</i>	Ca_Kabuli_denovo	11489727	(A/G)
19975	CakSNP19975	<i>Kabuli</i>	Ca_Kabuli_denovo	11492137	(T/C)
19976	CakSNP19976	<i>Kabuli</i>	Ca_Kabuli_denovo	11500226	(C/T)
19977	CakSNP19977	<i>Kabuli</i>	Ca_Kabuli_denovo	11500286	(A/G)
19978	CakSNP19978	<i>Kabuli</i>	Ca_Kabuli_denovo	11500518	(C/T)
19979	CakSNP19979	<i>Kabuli</i>	Ca_Kabuli_denovo	11500549	(G/A)
19980	CakSNP19980	<i>Kabuli</i>	Ca_Kabuli_denovo	11509689	(A/G)
19981	CakSNP19981	<i>Kabuli</i>	Ca_Kabuli_denovo	11509710	(T/A)
19982	CakSNP19982	<i>Kabuli</i>	Ca_Kabuli_denovo	11520113	(T/C)
19983	CakSNP19983	<i>Kabuli</i>	Ca_Kabuli_denovo	11520121	(T/G)
19984	CakSNP19984	<i>Kabuli</i>	Ca_Kabuli_denovo	11522244	(T/C)
19985	CakSNP19985	<i>Kabuli</i>	Ca_Kabuli_denovo	11522247	(G/A)
19986	CakSNP19986	<i>Kabuli</i>	Ca_Kabuli_denovo	11524862	(A/G)
19987	CakSNP19987	<i>Kabuli</i>	Ca_Kabuli_denovo	11524904	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19988	CakSNP19988	<i>Kabuli</i>	Ca_Kabuli_denovo	11526181	(G/C)
19989	CakSNP19989	<i>Kabuli</i>	Ca_Kabuli_denovo	11526429	(C/T)
19990	CakSNP19990	<i>Kabuli</i>	Ca_Kabuli_denovo	11526440	(C/T)
19991	CakSNP19991	<i>Kabuli</i>	Ca_Kabuli_denovo	11536624	(T/G)
19992	CakSNP19992	<i>Kabuli</i>	Ca_Kabuli_denovo	11537381	(G/A)
19993	CakSNP19993	<i>Kabuli</i>	Ca_Kabuli_denovo	11539912	(A/G)
19994	CakSNP19994	<i>Kabuli</i>	Ca_Kabuli_denovo	11539928	(C/A)
19995	CakSNP19995	<i>Kabuli</i>	Ca_Kabuli_denovo	11543736	(G/A)
19996	CakSNP19996	<i>Kabuli</i>	Ca_Kabuli_denovo	11546270	(G/A)
19997	CakSNP19997	<i>Kabuli</i>	Ca_Kabuli_denovo	11546282	(G/A)
19998	CakSNP19998	<i>Kabuli</i>	Ca_Kabuli_denovo	11560747	(A/T)
19999	CakSNP19999	<i>Kabuli</i>	Ca_Kabuli_denovo	11560777	(T/A)
20000	CakSNP20000	<i>Kabuli</i>	Ca_Kabuli_denovo	11562092	(A/C)
20001	CakSNP20001	<i>Kabuli</i>	Ca_Kabuli_denovo	11566483	(T/C)
20002	CakSNP20002	<i>Kabuli</i>	Ca_Kabuli_denovo	11570439	(G/C)
20003	CakSNP20003	<i>Kabuli</i>	Ca_Kabuli_denovo	11571669	(C/T)
20004	CakSNP20004	<i>Kabuli</i>	Ca_Kabuli_denovo	11571683	(C/T)
20005	CakSNP20005	<i>Kabuli</i>	Ca_Kabuli_denovo	11572107	(C/T)
20006	CakSNP20006	<i>Kabuli</i>	Ca_Kabuli_denovo	11576597	(G/A)
20007	CakSNP20007	<i>Kabuli</i>	Ca_Kabuli_denovo	11582680	(A/G)
20008	CakSNP20008	<i>Kabuli</i>	Ca_Kabuli_denovo	11584675	(A/G)
20009	CakSNP20009	<i>Kabuli</i>	Ca_Kabuli_denovo	11594624	(T/C)
20010	CakSNP20010	<i>Kabuli</i>	Ca_Kabuli_denovo	11596364	(G/A)
20011	CakSNP20011	<i>Kabuli</i>	Ca_Kabuli_denovo	11596442	(A/G)
20012	CakSNP20012	<i>Kabuli</i>	Ca_Kabuli_denovo	11597952	(C/T)
20013	CakSNP20013	<i>Kabuli</i>	Ca_Kabuli_denovo	11597994	(A/G)
20014	CakSNP20014	<i>Kabuli</i>	Ca_Kabuli_denovo	11601006	(G/T)
20015	CakSNP20015	<i>Kabuli</i>	Ca_Kabuli_denovo	11602335	(G/C)
20016	CakSNP20016	<i>Kabuli</i>	Ca_Kabuli_denovo	11602781	(C/G)
20017	CakSNP20017	<i>Kabuli</i>	Ca_Kabuli_denovo	11603266	(T/A)
20018	CakSNP20018	<i>Kabuli</i>	Ca_Kabuli_denovo	11621388	(A/G)
20019	CakSNP20019	<i>Kabuli</i>	Ca_Kabuli_denovo	11622352	(G/C)
20020	CakSNP20020	<i>Kabuli</i>	Ca_Kabuli_denovo	11622365	(A/T)
20021	CakSNP20021	<i>Kabuli</i>	Ca_Kabuli_denovo	11628118	(T/C)
20022	CakSNP20022	<i>Kabuli</i>	Ca_Kabuli_denovo	11628136	(A/C)
20023	CakSNP20023	<i>Kabuli</i>	Ca_Kabuli_denovo	11629142	(G/C)
20024	CakSNP20024	<i>Kabuli</i>	Ca_Kabuli_denovo	11629160	(T/G)
20025	CakSNP20025	<i>Kabuli</i>	Ca_Kabuli_denovo	11632641	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20026	CakSNP20026	<i>Kabuli</i>	Ca_Kabuli_denovo	11632708	(T/C)
20027	CakSNP20027	<i>Kabuli</i>	Ca_Kabuli_denovo	11633909	(A/G)
20028	CakSNP20028	<i>Kabuli</i>	Ca_Kabuli_denovo	11635456	(T/C)
20029	CakSNP20029	<i>Kabuli</i>	Ca_Kabuli_denovo	11635493	(G/C)
20030	CakSNP20030	<i>Kabuli</i>	Ca_Kabuli_denovo	11637531	(C/T)
20031	CakSNP20031	<i>Kabuli</i>	Ca_Kabuli_denovo	11647295	(G/A)
20032	CakSNP20032	<i>Kabuli</i>	Ca_Kabuli_denovo	11647988	(A/G)
20033	CakSNP20033	<i>Kabuli</i>	Ca_Kabuli_denovo	11653902	(C/A)
20034	CakSNP20034	<i>Kabuli</i>	Ca_Kabuli_denovo	11654696	(G/T)
20035	CakSNP20035	<i>Kabuli</i>	Ca_Kabuli_denovo	11654699	(G/A)
20036	CakSNP20036	<i>Kabuli</i>	Ca_Kabuli_denovo	11657390	(G/A)
20037	CakSNP20037	<i>Kabuli</i>	Ca_Kabuli_denovo	11657404	(G/A)
20038	CakSNP20038	<i>Kabuli</i>	Ca_Kabuli_denovo	11657818	(C/T)
20039	CakSNP20039	<i>Kabuli</i>	Ca_Kabuli_denovo	11657827	(C/G)
20040	CakSNP20040	<i>Kabuli</i>	Ca_Kabuli_denovo	11658673	(G/C)
20041	CakSNP20041	<i>Kabuli</i>	Ca_Kabuli_denovo	11658712	(G/T)
20042	CakSNP20042	<i>Kabuli</i>	Ca_Kabuli_denovo	11658756	(C/G)
20043	CakSNP20043	<i>Kabuli</i>	Ca_Kabuli_denovo	11659710	(C/G)
20044	CakSNP20044	<i>Kabuli</i>	Ca_Kabuli_denovo	11663334	(T/C)
20045	CakSNP20045	<i>Kabuli</i>	Ca_Kabuli_denovo	11665747	(C/T)
20046	CakSNP20046	<i>Kabuli</i>	Ca_Kabuli_denovo	11672834	(T/C)
20047	CakSNP20047	<i>Kabuli</i>	Ca_Kabuli_denovo	11672842	(G/A)
20048	CakSNP20048	<i>Kabuli</i>	Ca_Kabuli_denovo	11676813	(G/C)
20049	CakSNP20049	<i>Kabuli</i>	Ca_Kabuli_denovo	11677203	(G/T)
20050	CakSNP20050	<i>Kabuli</i>	Ca_Kabuli_denovo	11677211	(C/T)
20051	CakSNP20051	<i>Kabuli</i>	Ca_Kabuli_denovo	11677396	(A/G)
20052	CakSNP20052	<i>Kabuli</i>	Ca_Kabuli_denovo	11678405	(A/G)
20053	CakSNP20053	<i>Kabuli</i>	Ca_Kabuli_denovo	11681261	(C/A)
20054	CakSNP20054	<i>Kabuli</i>	Ca_Kabuli_denovo	11681262	(T/G)
20055	CakSNP20055	<i>Kabuli</i>	Ca_Kabuli_denovo	11691933	(A/G)
20056	CakSNP20056	<i>Kabuli</i>	Ca_Kabuli_denovo	11691993	(C/A)
20057	CakSNP20057	<i>Kabuli</i>	Ca_Kabuli_denovo	11700734	(G/A)
20058	CakSNP20058	<i>Kabuli</i>	Ca_Kabuli_denovo	11705216	(A/C)
20059	CakSNP20059	<i>Kabuli</i>	Ca_Kabuli_denovo	11705234	(G/A)
20060	CakSNP20060	<i>Kabuli</i>	Ca_Kabuli_denovo	11718358	(T/G)
20061	CakSNP20061	<i>Kabuli</i>	Ca_Kabuli_denovo	11727596	(A/G)
20062	CakSNP20062	<i>Kabuli</i>	Ca_Kabuli_denovo	11729357	(A/T)
20063	CakSNP20063	<i>Kabuli</i>	Ca_Kabuli_denovo	11729711	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20064	CakSNP20064	<i>Kabuli</i>	Ca_Kabuli_denovo	11731601	(C/T)
20065	CakSNP20065	<i>Kabuli</i>	Ca_Kabuli_denovo	11732939	(G/A)
20066	CakSNP20066	<i>Kabuli</i>	Ca_Kabuli_denovo	11751802	(T/C)
20067	CakSNP20067	<i>Kabuli</i>	Ca_Kabuli_denovo	11751841	(C/T)
20068	CakSNP20068	<i>Kabuli</i>	Ca_Kabuli_denovo	11756035	(G/T)
20069	CakSNP20069	<i>Kabuli</i>	Ca_Kabuli_denovo	11757946	(C/T)
20070	CakSNP20070	<i>Kabuli</i>	Ca_Kabuli_denovo	11758845	(C/T)
20071	CakSNP20071	<i>Kabuli</i>	Ca_Kabuli_denovo	11758846	(G/A)
20072	CakSNP20072	<i>Kabuli</i>	Ca_Kabuli_denovo	11765477	(T/A)
20073	CakSNP20073	<i>Kabuli</i>	Ca_Kabuli_denovo	11767720	(T/C)
20074	CakSNP20074	<i>Kabuli</i>	Ca_Kabuli_denovo	11767747	(C/G)
20075	CakSNP20075	<i>Kabuli</i>	Ca_Kabuli_denovo	11773745	(C/G)
20076	CakSNP20076	<i>Kabuli</i>	Ca_Kabuli_denovo	11777816	(G/C)
20077	CakSNP20077	<i>Kabuli</i>	Ca_Kabuli_denovo	11785619	(G/A)
20078	CakSNP20078	<i>Kabuli</i>	Ca_Kabuli_denovo	11785637	(C/G)
20079	CakSNP20079	<i>Kabuli</i>	Ca_Kabuli_denovo	11789993	(G/T)
20080	CakSNP20080	<i>Kabuli</i>	Ca_Kabuli_denovo	11789999	(A/C)
20081	CakSNP20081	<i>Kabuli</i>	Ca_Kabuli_denovo	11792609	(C/T)
20082	CakSNP20082	<i>Kabuli</i>	Ca_Kabuli_denovo	11792678	(A/C)
20083	CakSNP20083	<i>Kabuli</i>	Ca_Kabuli_denovo	11792680	(A/T)
20084	CakSNP20084	<i>Kabuli</i>	Ca_Kabuli_denovo	11797038	(T/C)
20085	CakSNP20085	<i>Kabuli</i>	Ca_Kabuli_denovo	11797045	(C/A)
20086	CakSNP20086	<i>Kabuli</i>	Ca_Kabuli_denovo	11797720	(C/T)
20087	CakSNP20087	<i>Kabuli</i>	Ca_Kabuli_denovo	11798474	(A/G)
20088	CakSNP20088	<i>Kabuli</i>	Ca_Kabuli_denovo	11800425	(C/T)
20089	CakSNP20089	<i>Kabuli</i>	Ca_Kabuli_denovo	11800433	(C/A)
20090	CakSNP20090	<i>Kabuli</i>	Ca_Kabuli_denovo	11801910	(G/C)
20091	CakSNP20091	<i>Kabuli</i>	Ca_Kabuli_denovo	11801949	(A/G)
20092	CakSNP20092	<i>Kabuli</i>	Ca_Kabuli_denovo	11801959	(C/G)
20093	CakSNP20093	<i>Kabuli</i>	Ca_Kabuli_denovo	11813358	(T/C)
20094	CakSNP20094	<i>Kabuli</i>	Ca_Kabuli_denovo	11813400	(T/A)
20095	CakSNP20095	<i>Kabuli</i>	Ca_Kabuli_denovo	11818388	(C/G)
20096	CakSNP20096	<i>Kabuli</i>	Ca_Kabuli_denovo	11818997	(A/C)
20097	CakSNP20097	<i>Kabuli</i>	Ca_Kabuli_denovo	11818999	(A/C)
20098	CakSNP20098	<i>Kabuli</i>	Ca_Kabuli_denovo	11821809	(C/T)
20099	CakSNP20099	<i>Kabuli</i>	Ca_Kabuli_denovo	11826617	(G/T)
20100	CakSNP20100	<i>Kabuli</i>	Ca_Kabuli_denovo	11826835	(C/T)
20101	CakSNP20101	<i>Kabuli</i>	Ca_Kabuli_denovo	11826865	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20102	CakSNP20102	<i>Kabuli</i>	Ca_Kabuli_denovo	11828227	(C/A)
20103	CakSNP20103	<i>Kabuli</i>	Ca_Kabuli_denovo	11832922	(A/G)
20104	CakSNP20104	<i>Kabuli</i>	Ca_Kabuli_denovo	11836267	(T/C)
20105	CakSNP20105	<i>Kabuli</i>	Ca_Kabuli_denovo	11836286	(C/T)
20106	CakSNP20106	<i>Kabuli</i>	Ca_Kabuli_denovo	11839483	(T/C)
20107	CakSNP20107	<i>Kabuli</i>	Ca_Kabuli_denovo	11841284	(A/G)
20108	CakSNP20108	<i>Kabuli</i>	Ca_Kabuli_denovo	11842163	(T/C)
20109	CakSNP20109	<i>Kabuli</i>	Ca_Kabuli_denovo	11842187	(T/C)
20110	CakSNP20110	<i>Kabuli</i>	Ca_Kabuli_denovo	11844115	(G/C)
20111	CakSNP20111	<i>Kabuli</i>	Ca_Kabuli_denovo	11848053	(T/C)
20112	CakSNP20112	<i>Kabuli</i>	Ca_Kabuli_denovo	11850589	(C/G)
20113	CakSNP20113	<i>Kabuli</i>	Ca_Kabuli_denovo	11851324	(T/C)
20114	CakSNP20114	<i>Kabuli</i>	Ca_Kabuli_denovo	11851331	(G/A)
20115	CakSNP20115	<i>Kabuli</i>	Ca_Kabuli_denovo	11853095	(T/A)
20116	CakSNP20116	<i>Kabuli</i>	Ca_Kabuli_denovo	11855554	(A/G)
20117	CakSNP20117	<i>Kabuli</i>	Ca_Kabuli_denovo	11855592	(A/T)
20118	CakSNP20118	<i>Kabuli</i>	Ca_Kabuli_denovo	11857112	(A/G)
20119	CakSNP20119	<i>Kabuli</i>	Ca_Kabuli_denovo	11858823	(C/G)
20120	CakSNP20120	<i>Kabuli</i>	Ca_Kabuli_denovo	11858841	(C/T)
20121	CakSNP20121	<i>Kabuli</i>	Ca_Kabuli_denovo	11867607	(G/A)
20122	CakSNP20122	<i>Kabuli</i>	Ca_Kabuli_denovo	11868238	(A/G)
20123	CakSNP20123	<i>Kabuli</i>	Ca_Kabuli_denovo	11868277	(C/T)
20124	CakSNP20124	<i>Kabuli</i>	Ca_Kabuli_denovo	11870258	(T/C)
20125	CakSNP20125	<i>Kabuli</i>	Ca_Kabuli_denovo	11879386	(A/C)
20126	CakSNP20126	<i>Kabuli</i>	Ca_Kabuli_denovo	11879392	(T/C)
20127	CakSNP20127	<i>Kabuli</i>	Ca_Kabuli_denovo	11887761	(T/C)
20128	CakSNP20128	<i>Kabuli</i>	Ca_Kabuli_denovo	11887771	(T/C)
20129	CakSNP20129	<i>Kabuli</i>	Ca_Kabuli_denovo	11888785	(T/C)
20130	CakSNP20130	<i>Kabuli</i>	Ca_Kabuli_denovo	11888809	(T/C)
20131	CakSNP20131	<i>Kabuli</i>	Ca_Kabuli_denovo	11901103	(A/T)
20132	CakSNP20132	<i>Kabuli</i>	Ca_Kabuli_denovo	11904032	(G/T)
20133	CakSNP20133	<i>Kabuli</i>	Ca_Kabuli_denovo	11905598	(T/A)
20134	CakSNP20134	<i>Kabuli</i>	Ca_Kabuli_denovo	11905613	(C/G)
20135	CakSNP20135	<i>Kabuli</i>	Ca_Kabuli_denovo	11909810	(G/C)
20136	CakSNP20136	<i>Kabuli</i>	Ca_Kabuli_denovo	11913469	(A/G)
20137	CakSNP20137	<i>Kabuli</i>	Ca_Kabuli_denovo	11917788	(G/C)
20138	CakSNP20138	<i>Kabuli</i>	Ca_Kabuli_denovo	11918472	(T/C)
20139	CakSNP20139	<i>Kabuli</i>	Ca_Kabuli_denovo	11921650	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20140	CakSNP20140	<i>Kabuli</i>	Ca_Kabuli_denovo	11921653	(C/T)
20141	CakSNP20141	<i>Kabuli</i>	Ca_Kabuli_denovo	11926343	(G/A)
20142	CakSNP20142	<i>Kabuli</i>	Ca_Kabuli_denovo	11926414	(C/G)
20143	CakSNP20143	<i>Kabuli</i>	Ca_Kabuli_denovo	11928286	(C/G)
20144	CakSNP20144	<i>Kabuli</i>	Ca_Kabuli_denovo	11928288	(A/G)
20145	CakSNP20145	<i>Kabuli</i>	Ca_Kabuli_denovo	11932767	(C/T)
20146	CakSNP20146	<i>Kabuli</i>	Ca_Kabuli_denovo	11933776	(T/C)
20147	CakSNP20147	<i>Kabuli</i>	Ca_Kabuli_denovo	11933779	(T/C)
20148	CakSNP20148	<i>Kabuli</i>	Ca_Kabuli_denovo	11934806	(A/G)
20149	CakSNP20149	<i>Kabuli</i>	Ca_Kabuli_denovo	11934835	(C/T)
20150	CakSNP20150	<i>Kabuli</i>	Ca_Kabuli_denovo	11935833	(C/T)
20151	CakSNP20151	<i>Kabuli</i>	Ca_Kabuli_denovo	11936229	(A/T)
20152	CakSNP20152	<i>Kabuli</i>	Ca_Kabuli_denovo	11937312	(A/G)
20153	CakSNP20153	<i>Kabuli</i>	Ca_Kabuli_denovo	11937322	(A/C)
20154	CakSNP20154	<i>Kabuli</i>	Ca_Kabuli_denovo	11937520	(G/T)
20155	CakSNP20155	<i>Kabuli</i>	Ca_Kabuli_denovo	11941139	(A/G)
20156	CakSNP20156	<i>Kabuli</i>	Ca_Kabuli_denovo	11942242	(T/A)
20157	CakSNP20157	<i>Kabuli</i>	Ca_Kabuli_denovo	11942299	(C/T)
20158	CakSNP20158	<i>Kabuli</i>	Ca_Kabuli_denovo	11947730	(T/A)
20159	CakSNP20159	<i>Kabuli</i>	Ca_Kabuli_denovo	11953049	(C/G)
20160	CakSNP20160	<i>Kabuli</i>	Ca_Kabuli_denovo	11962838	(A/G)
20161	CakSNP20161	<i>Kabuli</i>	Ca_Kabuli_denovo	11962840	(G/A)
20162	CakSNP20162	<i>Kabuli</i>	Ca_Kabuli_denovo	11965507	(A/G)
20163	CakSNP20163	<i>Kabuli</i>	Ca_Kabuli_denovo	11965510	(G/A)
20164	CakSNP20164	<i>Kabuli</i>	Ca_Kabuli_denovo	11970885	(C/G)
20165	CakSNP20165	<i>Kabuli</i>	Ca_Kabuli_denovo	11976757	(C/G)
20166	CakSNP20166	<i>Kabuli</i>	Ca_Kabuli_denovo	11983367	(T/C)
20167	CakSNP20167	<i>Kabuli</i>	Ca_Kabuli_denovo	11983391	(C/A)
20168	CakSNP20168	<i>Kabuli</i>	Ca_Kabuli_denovo	11986506	(G/A)
20169	CakSNP20169	<i>Kabuli</i>	Ca_Kabuli_denovo	11986536	(A/G)
20170	CakSNP20170	<i>Kabuli</i>	Ca_Kabuli_denovo	11986557	(A/G)
20171	CakSNP20171	<i>Kabuli</i>	Ca_Kabuli_denovo	11987561	(G/C)
20172	CakSNP20172	<i>Kabuli</i>	Ca_Kabuli_denovo	11993728	(G/A)
20173	CakSNP20173	<i>Kabuli</i>	Ca_Kabuli_denovo	12005056	(T/C)
20174	CakSNP20174	<i>Kabuli</i>	Ca_Kabuli_denovo	12008099	(T/C)
20175	CakSNP20175	<i>Kabuli</i>	Ca_Kabuli_denovo	12008111	(T/C)
20176	CakSNP20176	<i>Kabuli</i>	Ca_Kabuli_denovo	12010534	(A/T)
20177	CakSNP20177	<i>Kabuli</i>	Ca_Kabuli_denovo	12018239	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20178	CakSNP20178	<i>Kabuli</i>	Ca_Kabuli_denovo	12019804	(C/T)
20179	CakSNP20179	<i>Kabuli</i>	Ca_Kabuli_denovo	12024854	(T/G)
20180	CakSNP20180	<i>Kabuli</i>	Ca_Kabuli_denovo	12027996	(C/G)
20181	CakSNP20181	<i>Kabuli</i>	Ca_Kabuli_denovo	12028061	(A/G)
20182	CakSNP20182	<i>Kabuli</i>	Ca_Kabuli_denovo	12033965	(G/A)
20183	CakSNP20183	<i>Kabuli</i>	Ca_Kabuli_denovo	12033971	(C/T)
20184	CakSNP20184	<i>Kabuli</i>	Ca_Kabuli_denovo	12036188	(A/G)
20185	CakSNP20185	<i>Kabuli</i>	Ca_Kabuli_denovo	12036224	(T/A)
20186	CakSNP20186	<i>Kabuli</i>	Ca_Kabuli_denovo	12037582	(A/G)
20187	CakSNP20187	<i>Kabuli</i>	Ca_Kabuli_denovo	12037583	(T/C)
20188	CakSNP20188	<i>Kabuli</i>	Ca_Kabuli_denovo	12041729	(T/G)
20189	CakSNP20189	<i>Kabuli</i>	Ca_Kabuli_denovo	12049740	(G/A)
20190	CakSNP20190	<i>Kabuli</i>	Ca_Kabuli_denovo	12054052	(T/G)
20191	CakSNP20191	<i>Kabuli</i>	Ca_Kabuli_denovo	12063452	(G/A)
20192	CakSNP20192	<i>Kabuli</i>	Ca_Kabuli_denovo	12063460	(C/T)
20193	CakSNP20193	<i>Kabuli</i>	Ca_Kabuli_denovo	12065643	(T/G)
20194	CakSNP20194	<i>Kabuli</i>	Ca_Kabuli_denovo	12066145	(T/C)
20195	CakSNP20195	<i>Kabuli</i>	Ca_Kabuli_denovo	12075499	(A/T)
20196	CakSNP20196	<i>Kabuli</i>	Ca_Kabuli_denovo	12075514	(A/T)
20197	CakSNP20197	<i>Kabuli</i>	Ca_Kabuli_denovo	12075516	(C/G)
20198	CakSNP20198	<i>Kabuli</i>	Ca_Kabuli_denovo	12075524	(C/G)
20199	CakSNP20199	<i>Kabuli</i>	Ca_Kabuli_denovo	12076633	(T/C)
20200	CakSNP20200	<i>Kabuli</i>	Ca_Kabuli_denovo	12076636	(A/G)
20201	CakSNP20201	<i>Kabuli</i>	Ca_Kabuli_denovo	12077380	(C/T)
20202	CakSNP20202	<i>Kabuli</i>	Ca_Kabuli_denovo	12079082	(G/A)
20203	CakSNP20203	<i>Kabuli</i>	Ca_Kabuli_denovo	12079352	(G/A)
20204	CakSNP20204	<i>Kabuli</i>	Ca_Kabuli_denovo	12079358	(G/C)
20205	CakSNP20205	<i>Kabuli</i>	Ca_Kabuli_denovo	12083899	(T/C)
20206	CakSNP20206	<i>Kabuli</i>	Ca_Kabuli_denovo	12083908	(G/T)
20207	CakSNP20207	<i>Kabuli</i>	Ca_Kabuli_denovo	12090488	(C/G)
20208	CakSNP20208	<i>Kabuli</i>	Ca_Kabuli_denovo	12100423	(C/T)
20209	CakSNP20209	<i>Kabuli</i>	Ca_Kabuli_denovo	12100504	(C/A)
20210	CakSNP20210	<i>Kabuli</i>	Ca_Kabuli_denovo	12105637	(T/C)
20211	CakSNP20211	<i>Kabuli</i>	Ca_Kabuli_denovo	12105669	(G/A)
20212	CakSNP20212	<i>Kabuli</i>	Ca_Kabuli_denovo	12108912	(G/A)
20213	CakSNP20213	<i>Kabuli</i>	Ca_Kabuli_denovo	12118782	(G/T)
20214	CakSNP20214	<i>Kabuli</i>	Ca_Kabuli_denovo	12118820	(T/A)
20215	CakSNP20215	<i>Kabuli</i>	Ca_Kabuli_denovo	12123015	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20216	CakSNP20216	<i>Kabuli</i>	Ca_Kabuli_denovo	12123016	(G/C)
20217	CakSNP20217	<i>Kabuli</i>	Ca_Kabuli_denovo	12128221	(A/C)
20218	CakSNP20218	<i>Kabuli</i>	Ca_Kabuli_denovo	12129661	(T/C)
20219	CakSNP20219	<i>Kabuli</i>	Ca_Kabuli_denovo	12132152	(C/T)
20220	CakSNP20220	<i>Kabuli</i>	Ca_Kabuli_denovo	12140555	(C/T)
20221	CakSNP20221	<i>Kabuli</i>	Ca_Kabuli_denovo	12140573	(C/A)
20222	CakSNP20222	<i>Kabuli</i>	Ca_Kabuli_denovo	12141836	(G/A)
20223	CakSNP20223	<i>Kabuli</i>	Ca_Kabuli_denovo	12142574	(A/G)
20224	CakSNP20224	<i>Kabuli</i>	Ca_Kabuli_denovo	12151348	(A/G)
20225	CakSNP20225	<i>Kabuli</i>	Ca_Kabuli_denovo	12151375	(A/G)
20226	CakSNP20226	<i>Kabuli</i>	Ca_Kabuli_denovo	12157446	(T/G)
20227	CakSNP20227	<i>Kabuli</i>	Ca_Kabuli_denovo	12157447	(T/A)
20228	CakSNP20228	<i>Kabuli</i>	Ca_Kabuli_denovo	12157570	(G/A)
20229	CakSNP20229	<i>Kabuli</i>	Ca_Kabuli_denovo	12160442	(T/G)
20230	CakSNP20230	<i>Kabuli</i>	Ca_Kabuli_denovo	12160463	(C/T)
20231	CakSNP20231	<i>Kabuli</i>	Ca_Kabuli_denovo	12160547	(T/C)
20232	CakSNP20232	<i>Kabuli</i>	Ca_Kabuli_denovo	12160588	(A/G)
20233	CakSNP20233	<i>Kabuli</i>	Ca_Kabuli_denovo	12161049	(A/C)
20234	CakSNP20234	<i>Kabuli</i>	Ca_Kabuli_denovo	12163984	(G/C)
20235	CakSNP20235	<i>Kabuli</i>	Ca_Kabuli_denovo	12170666	(T/C)
20236	CakSNP20236	<i>Kabuli</i>	Ca_Kabuli_denovo	12174208	(C/G)
20237	CakSNP20237	<i>Kabuli</i>	Ca_Kabuli_denovo	12178363	(A/G)
20238	CakSNP20238	<i>Kabuli</i>	Ca_Kabuli_denovo	12181987	(G/A)
20239	CakSNP20239	<i>Kabuli</i>	Ca_Kabuli_denovo	12182026	(C/G)
20240	CakSNP20240	<i>Kabuli</i>	Ca_Kabuli_denovo	12186730	(T/C)
20241	CakSNP20241	<i>Kabuli</i>	Ca_Kabuli_denovo	12186760	(C/G)
20242	CakSNP20242	<i>Kabuli</i>	Ca_Kabuli_denovo	12187344	(A/G)
20243	CakSNP20243	<i>Kabuli</i>	Ca_Kabuli_denovo	12192872	(C/T)
20244	CakSNP20244	<i>Kabuli</i>	Ca_Kabuli_denovo	12201334	(A/G)
20245	CakSNP20245	<i>Kabuli</i>	Ca_Kabuli_denovo	12202915	(A/G)
20246	CakSNP20246	<i>Kabuli</i>	Ca_Kabuli_denovo	12209776	(T/C)
20247	CakSNP20247	<i>Kabuli</i>	Ca_Kabuli_denovo	12215372	(G/T)
20248	CakSNP20248	<i>Kabuli</i>	Ca_Kabuli_denovo	12216070	(C/T)
20249	CakSNP20249	<i>Kabuli</i>	Ca_Kabuli_denovo	12217982	(G/A)
20250	CakSNP20250	<i>Kabuli</i>	Ca_Kabuli_denovo	12234821	(C/T)
20251	CakSNP20251	<i>Kabuli</i>	Ca_Kabuli_denovo	12236422	(T/C)
20252	CakSNP20252	<i>Kabuli</i>	Ca_Kabuli_denovo	12239018	(C/G)
20253	CakSNP20253	<i>Kabuli</i>	Ca_Kabuli_denovo	12240512	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20254	CakSNP20254	<i>Kabuli</i>	Ca_Kabuli_denovo	12240549	(A/G)
20255	CakSNP20255	<i>Kabuli</i>	Ca_Kabuli_denovo	12243380	(A/G)
20256	CakSNP20256	<i>Kabuli</i>	Ca_Kabuli_denovo	12248626	(A/G)
20257	CakSNP20257	<i>Kabuli</i>	Ca_Kabuli_denovo	12251127	(C/A)
20258	CakSNP20258	<i>Kabuli</i>	Ca_Kabuli_denovo	12252623	(A/G)
20259	CakSNP20259	<i>Kabuli</i>	Ca_Kabuli_denovo	12257991	(T/C)
20260	CakSNP20260	<i>Kabuli</i>	Ca_Kabuli_denovo	12257993	(T/G)
20261	CakSNP20261	<i>Kabuli</i>	Ca_Kabuli_denovo	12264308	(G/T)
20262	CakSNP20262	<i>Kabuli</i>	Ca_Kabuli_denovo	12266786	(A/G)
20263	CakSNP20263	<i>Kabuli</i>	Ca_Kabuli_denovo	12269505	(G/C)
20264	CakSNP20264	<i>Kabuli</i>	Ca_Kabuli_denovo	12292363	(G/C)
20265	CakSNP20265	<i>Kabuli</i>	Ca_Kabuli_denovo	12298060	(C/G)
20266	CakSNP20266	<i>Kabuli</i>	Ca_Kabuli_denovo	12298745	(C/T)
20267	CakSNP20267	<i>Kabuli</i>	Ca_Kabuli_denovo	12301582	(A/C)
20268	CakSNP20268	<i>Kabuli</i>	Ca_Kabuli_denovo	12309140	(G/A)
20269	CakSNP20269	<i>Kabuli</i>	Ca_Kabuli_denovo	12309148	(A/G)
20270	CakSNP20270	<i>Kabuli</i>	Ca_Kabuli_denovo	12318085	(T/C)
20271	CakSNP20271	<i>Kabuli</i>	Ca_Kabuli_denovo	12318112	(T/C)
20272	CakSNP20272	<i>Kabuli</i>	Ca_Kabuli_denovo	12319732	(G/C)
20273	CakSNP20273	<i>Kabuli</i>	Ca_Kabuli_denovo	12323652	(G/C)
20274	CakSNP20274	<i>Kabuli</i>	Ca_Kabuli_denovo	12329986	(G/A)
20275	CakSNP20275	<i>Kabuli</i>	Ca_Kabuli_denovo	12329992	(C/T)
20276	CakSNP20276	<i>Kabuli</i>	Ca_Kabuli_denovo	12331347	(C/G)
20277	CakSNP20277	<i>Kabuli</i>	Ca_Kabuli_denovo	12331761	(G/C)
20278	CakSNP20278	<i>Kabuli</i>	Ca_Kabuli_denovo	12331775	(C/G)
20279	CakSNP20279	<i>Kabuli</i>	Ca_Kabuli_denovo	12343528	(T/C)
20280	CakSNP20280	<i>Kabuli</i>	Ca_Kabuli_denovo	12343563	(T/C)
20281	CakSNP20281	<i>Kabuli</i>	Ca_Kabuli_denovo	12348038	(C/G)
20282	CakSNP20282	<i>Kabuli</i>	Ca_Kabuli_denovo	12348044	(C/G)
20283	CakSNP20283	<i>Kabuli</i>	Ca_Kabuli_denovo	12356015	(T/C)
20284	CakSNP20284	<i>Kabuli</i>	Ca_Kabuli_denovo	12360701	(T/G)
20285	CakSNP20285	<i>Kabuli</i>	Ca_Kabuli_denovo	12360722	(C/T)
20286	CakSNP20286	<i>Kabuli</i>	Ca_Kabuli_denovo	12364826	(G/T)
20287	CakSNP20287	<i>Kabuli</i>	Ca_Kabuli_denovo	12365459	(A/C)
20288	CakSNP20288	<i>Kabuli</i>	Ca_Kabuli_denovo	12368369	(C/T)
20289	CakSNP20289	<i>Kabuli</i>	Ca_Kabuli_denovo	12380551	(A/T)
20290	CakSNP20290	<i>Kabuli</i>	Ca_Kabuli_denovo	12380579	(G/C)
20291	CakSNP20291	<i>Kabuli</i>	Ca_Kabuli_denovo	12381201	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20292	CakSNP20292	<i>Kabuli</i>	Ca_Kabuli_denovo	12381391	(C/T)
20293	CakSNP20293	<i>Kabuli</i>	Ca_Kabuli_denovo	12385312	(G/C)
20294	CakSNP20294	<i>Kabuli</i>	Ca_Kabuli_denovo	12385354	(A/C)
20295	CakSNP20295	<i>Kabuli</i>	Ca_Kabuli_denovo	12386113	(C/G)
20296	CakSNP20296	<i>Kabuli</i>	Ca_Kabuli_denovo	12387661	(C/A)
20297	CakSNP20297	<i>Kabuli</i>	Ca_Kabuli_denovo	12387670	(T/C)
20298	CakSNP20298	<i>Kabuli</i>	Ca_Kabuli_denovo	12391385	(G/A)
20299	CakSNP20299	<i>Kabuli</i>	Ca_Kabuli_denovo	12391414	(G/A)
20300	CakSNP20300	<i>Kabuli</i>	Ca_Kabuli_denovo	12394679	(T/C)
20301	CakSNP20301	<i>Kabuli</i>	Ca_Kabuli_denovo	12394728	(G/C)
20302	CakSNP20302	<i>Kabuli</i>	Ca_Kabuli_denovo	12394732	(C/T)
20303	CakSNP20303	<i>Kabuli</i>	Ca_Kabuli_denovo	12404927	(A/G)
20304	CakSNP20304	<i>Kabuli</i>	Ca_Kabuli_denovo	12411157	(C/G)
20305	CakSNP20305	<i>Kabuli</i>	Ca_Kabuli_denovo	12415971	(C/T)
20306	CakSNP20306	<i>Kabuli</i>	Ca_Kabuli_denovo	12417288	(C/A)
20307	CakSNP20307	<i>Kabuli</i>	Ca_Kabuli_denovo	12417294	(G/C)
20308	CakSNP20308	<i>Kabuli</i>	Ca_Kabuli_denovo	12420048	(G/C)
20309	CakSNP20309	<i>Kabuli</i>	Ca_Kabuli_denovo	12422409	(C/G)
20310	CakSNP20310	<i>Kabuli</i>	Ca_Kabuli_denovo	12422413	(A/C)
20311	CakSNP20311	<i>Kabuli</i>	Ca_Kabuli_denovo	12424936	(C/T)
20312	CakSNP20312	<i>Kabuli</i>	Ca_Kabuli_denovo	12424968	(A/T)
20313	CakSNP20313	<i>Kabuli</i>	Ca_Kabuli_denovo	12431462	(C/T)
20314	CakSNP20314	<i>Kabuli</i>	Ca_Kabuli_denovo	12440976	(C/T)
20315	CakSNP20315	<i>Kabuli</i>	Ca_Kabuli_denovo	12449927	(T/C)
20316	CakSNP20316	<i>Kabuli</i>	Ca_Kabuli_denovo	12449999	(C/T)
20317	CakSNP20317	<i>Kabuli</i>	Ca_Kabuli_denovo	12450760	(A/G)
20318	CakSNP20318	<i>Kabuli</i>	Ca_Kabuli_denovo	12450818	(G/C)
20319	CakSNP20319	<i>Kabuli</i>	Ca_Kabuli_denovo	12450967	(C/T)
20320	CakSNP20320	<i>Kabuli</i>	Ca_Kabuli_denovo	12450989	(A/G)
20321	CakSNP20321	<i>Kabuli</i>	Ca_Kabuli_denovo	12467411	(A/G)
20322	CakSNP20322	<i>Kabuli</i>	Ca_Kabuli_denovo	12468098	(C/G)
20323	CakSNP20323	<i>Kabuli</i>	Ca_Kabuli_denovo	12471420	(T/C)
20324	CakSNP20324	<i>Kabuli</i>	Ca_Kabuli_denovo	12472768	(G/A)
20325	CakSNP20325	<i>Kabuli</i>	Ca_Kabuli_denovo	12473457	(A/G)
20326	CakSNP20326	<i>Kabuli</i>	Ca_Kabuli_denovo	12484829	(T/G)
20327	CakSNP20327	<i>Kabuli</i>	Ca_Kabuli_denovo	12485751	(A/G)
20328	CakSNP20328	<i>Kabuli</i>	Ca_Kabuli_denovo	12485766	(C/T)
20329	CakSNP20329	<i>Kabuli</i>	Ca_Kabuli_denovo	12486851	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20330	CakSNP20330	<i>Kabuli</i>	Ca_Kabuli_denovo	12486854	(G/A)
20331	CakSNP20331	<i>Kabuli</i>	Ca_Kabuli_denovo	12487619	(C/T)
20332	CakSNP20332	<i>Kabuli</i>	Ca_Kabuli_denovo	12487668	(A/G)
20333	CakSNP20333	<i>Kabuli</i>	Ca_Kabuli_denovo	12496808	(C/T)
20334	CakSNP20334	<i>Kabuli</i>	Ca_Kabuli_denovo	12500463	(G/A)
20335	CakSNP20335	<i>Kabuli</i>	Ca_Kabuli_denovo	12500466	(G/C)
20336	CakSNP20336	<i>Kabuli</i>	Ca_Kabuli_denovo	12502746	(A/T)
20337	CakSNP20337	<i>Kabuli</i>	Ca_Kabuli_denovo	12505149	(G/T)
20338	CakSNP20338	<i>Kabuli</i>	Ca_Kabuli_denovo	12506116	(A/C)
20339	CakSNP20339	<i>Kabuli</i>	Ca_Kabuli_denovo	12506158	(A/G)
20340	CakSNP20340	<i>Kabuli</i>	Ca_Kabuli_denovo	12507925	(C/T)
20341	CakSNP20341	<i>Kabuli</i>	Ca_Kabuli_denovo	12514887	(A/C)
20342	CakSNP20342	<i>Kabuli</i>	Ca_Kabuli_denovo	12527488	(G/C)
20343	CakSNP20343	<i>Kabuli</i>	Ca_Kabuli_denovo	12529187	(A/G)
20344	CakSNP20344	<i>Kabuli</i>	Ca_Kabuli_denovo	12530009	(C/T)
20345	CakSNP20345	<i>Kabuli</i>	Ca_Kabuli_denovo	12539987	(C/T)
20346	CakSNP20346	<i>Kabuli</i>	Ca_Kabuli_denovo	12541576	(C/G)
20347	CakSNP20347	<i>Kabuli</i>	Ca_Kabuli_denovo	12550942	(C/T)
20348	CakSNP20348	<i>Kabuli</i>	Ca_Kabuli_denovo	12562412	(C/T)
20349	CakSNP20349	<i>Kabuli</i>	Ca_Kabuli_denovo	12562414	(G/A)
20350	CakSNP20350	<i>Kabuli</i>	Ca_Kabuli_denovo	12567144	(T/C)
20351	CakSNP20351	<i>Kabuli</i>	Ca_Kabuli_denovo	12568213	(A/G)
20352	CakSNP20352	<i>Kabuli</i>	Ca_Kabuli_denovo	12568222	(G/A)
20353	CakSNP20353	<i>Kabuli</i>	Ca_Kabuli_denovo	12572669	(A/C)
20354	CakSNP20354	<i>Kabuli</i>	Ca_Kabuli_denovo	12572691	(C/T)
20355	CakSNP20355	<i>Kabuli</i>	Ca_Kabuli_denovo	12578294	(T/C)
20356	CakSNP20356	<i>Kabuli</i>	Ca_Kabuli_denovo	12578300	(A/C)
20357	CakSNP20357	<i>Kabuli</i>	Ca_Kabuli_denovo	12583593	(T/C)
20358	CakSNP20358	<i>Kabuli</i>	Ca_Kabuli_denovo	12588224	(G/A)
20359	CakSNP20359	<i>Kabuli</i>	Ca_Kabuli_denovo	12597602	(C/T)
20360	CakSNP20360	<i>Kabuli</i>	Ca_Kabuli_denovo	12597680	(C/T)
20361	CakSNP20361	<i>Kabuli</i>	Ca_Kabuli_denovo	12597698	(A/G)
20362	CakSNP20362	<i>Kabuli</i>	Ca_Kabuli_denovo	12598854	(G/A)
20363	CakSNP20363	<i>Kabuli</i>	Ca_Kabuli_denovo	12614448	(C/G)
20364	CakSNP20364	<i>Kabuli</i>	Ca_Kabuli_denovo	12614475	(T/G)
20365	CakSNP20365	<i>Kabuli</i>	Ca_Kabuli_denovo	12620203	(T/G)
20366	CakSNP20366	<i>Kabuli</i>	Ca_Kabuli_denovo	12625088	(G/A)
20367	CakSNP20367	<i>Kabuli</i>	Ca_Kabuli_denovo	12630071	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20368	CakSNP20368	<i>Kabuli</i>	Ca_Kabuli_denovo	12630136	(C/G)
20369	CakSNP20369	<i>Kabuli</i>	Ca_Kabuli_denovo	12647378	(C/G)
20370	CakSNP20370	<i>Kabuli</i>	Ca_Kabuli_denovo	12647381	(C/T)
20371	CakSNP20371	<i>Kabuli</i>	Ca_Kabuli_denovo	12649202	(G/C)
20372	CakSNP20372	<i>Kabuli</i>	Ca_Kabuli_denovo	12649208	(G/A)
20373	CakSNP20373	<i>Kabuli</i>	Ca_Kabuli_denovo	12655462	(A/C)
20374	CakSNP20374	<i>Kabuli</i>	Ca_Kabuli_denovo	12655487	(A/C)
20375	CakSNP20375	<i>Kabuli</i>	Ca_Kabuli_denovo	12669133	(G/A)
20376	CakSNP20376	<i>Kabuli</i>	Ca_Kabuli_denovo	12672676	(T/C)
20377	CakSNP20377	<i>Kabuli</i>	Ca_Kabuli_denovo	12680590	(T/G)
20378	CakSNP20378	<i>Kabuli</i>	Ca_Kabuli_denovo	12680643	(T/C)
20379	CakSNP20379	<i>Kabuli</i>	Ca_Kabuli_denovo	12681610	(G/T)
20380	CakSNP20380	<i>Kabuli</i>	Ca_Kabuli_denovo	12683863	(C/A)
20381	CakSNP20381	<i>Kabuli</i>	Ca_Kabuli_denovo	12684098	(A/G)
20382	CakSNP20382	<i>Kabuli</i>	Ca_Kabuli_denovo	12684100	(C/T)
20383	CakSNP20383	<i>Kabuli</i>	Ca_Kabuli_denovo	12686753	(A/G)
20384	CakSNP20384	<i>Kabuli</i>	Ca_Kabuli_denovo	12686758	(C/A)
20385	CakSNP20385	<i>Kabuli</i>	Ca_Kabuli_denovo	12688024	(C/T)
20386	CakSNP20386	<i>Kabuli</i>	Ca_Kabuli_denovo	12688476	(G/C)
20387	CakSNP20387	<i>Kabuli</i>	Ca_Kabuli_denovo	12688489	(G/T)
20388	CakSNP20388	<i>Kabuli</i>	Ca_Kabuli_denovo	12689864	(G/A)
20389	CakSNP20389	<i>Kabuli</i>	Ca_Kabuli_denovo	12689914	(C/T)
20390	CakSNP20390	<i>Kabuli</i>	Ca_Kabuli_denovo	12691912	(C/A)
20391	CakSNP20391	<i>Kabuli</i>	Ca_Kabuli_denovo	12691926	(C/G)
20392	CakSNP20392	<i>Kabuli</i>	Ca_Kabuli_denovo	12692387	(A/G)
20393	CakSNP20393	<i>Kabuli</i>	Ca_Kabuli_denovo	12701219	(C/T)
20394	CakSNP20394	<i>Kabuli</i>	Ca_Kabuli_denovo	12701233	(A/G)
20395	CakSNP20395	<i>Kabuli</i>	Ca_Kabuli_denovo	12701423	(G/A)
20396	CakSNP20396	<i>Kabuli</i>	Ca_Kabuli_denovo	12711354	(C/G)
20397	CakSNP20397	<i>Kabuli</i>	Ca_Kabuli_denovo	12711370	(T/C)
20398	CakSNP20398	<i>Kabuli</i>	Ca_Kabuli_denovo	12711403	(G/C)
20399	CakSNP20399	<i>Kabuli</i>	Ca_Kabuli_denovo	12712367	(A/G)
20400	CakSNP20400	<i>Kabuli</i>	Ca_Kabuli_denovo	12712436	(A/G)
20401	CakSNP20401	<i>Kabuli</i>	Ca_Kabuli_denovo	12712492	(C/G)
20402	CakSNP20402	<i>Kabuli</i>	Ca_Kabuli_denovo	12719308	(C/T)
20403	CakSNP20403	<i>Kabuli</i>	Ca_Kabuli_denovo	12728194	(C/A)
20404	CakSNP20404	<i>Kabuli</i>	Ca_Kabuli_denovo	12728235	(C/G)
20405	CakSNP20405	<i>Kabuli</i>	Ca_Kabuli_denovo	12728761	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20406	CakSNP20406	<i>Kabuli</i>	Ca_Kabuli_denovo	12728774	(G/C)
20407	CakSNP20407	<i>Kabuli</i>	Ca_Kabuli_denovo	12730181	(C/T)
20408	CakSNP20408	<i>Kabuli</i>	Ca_Kabuli_denovo	12735810	(A/G)
20409	CakSNP20409	<i>Kabuli</i>	Ca_Kabuli_denovo	12735840	(G/A)
20410	CakSNP20410	<i>Kabuli</i>	Ca_Kabuli_denovo	12738518	(C/T)
20411	CakSNP20411	<i>Kabuli</i>	Ca_Kabuli_denovo	12738520	(T/C)
20412	CakSNP20412	<i>Kabuli</i>	Ca_Kabuli_denovo	12739001	(C/G)
20413	CakSNP20413	<i>Kabuli</i>	Ca_Kabuli_denovo	12739011	(G/C)
20414	CakSNP20414	<i>Kabuli</i>	Ca_Kabuli_denovo	12739895	(T/G)
20415	CakSNP20415	<i>Kabuli</i>	Ca_Kabuli_denovo	12740080	(T/G)
20416	CakSNP20416	<i>Kabuli</i>	Ca_Kabuli_denovo	12740138	(G/C)
20417	CakSNP20417	<i>Kabuli</i>	Ca_Kabuli_denovo	12748520	(T/C)
20418	CakSNP20418	<i>Kabuli</i>	Ca_Kabuli_denovo	12754598	(G/A)
20419	CakSNP20419	<i>Kabuli</i>	Ca_Kabuli_denovo	12760788	(G/T)
20420	CakSNP20420	<i>Kabuli</i>	Ca_Kabuli_denovo	12763262	(C/T)
20421	CakSNP20421	<i>Kabuli</i>	Ca_Kabuli_denovo	12765002	(G/C)
20422	CakSNP20422	<i>Kabuli</i>	Ca_Kabuli_denovo	12765006	(G/A)
20423	CakSNP20423	<i>Kabuli</i>	Ca_Kabuli_denovo	12767039	(A/G)
20424	CakSNP20424	<i>Kabuli</i>	Ca_Kabuli_denovo	12769214	(A/T)
20425	CakSNP20425	<i>Kabuli</i>	Ca_Kabuli_denovo	12770684	(A/G)
20426	CakSNP20426	<i>Kabuli</i>	Ca_Kabuli_denovo	12770747	(C/G)
20427	CakSNP20427	<i>Kabuli</i>	Ca_Kabuli_denovo	12772557	(A/G)
20428	CakSNP20428	<i>Kabuli</i>	Ca_Kabuli_denovo	12772584	(T/C)
20429	CakSNP20429	<i>Kabuli</i>	Ca_Kabuli_denovo	12776581	(G/A)
20430	CakSNP20430	<i>Kabuli</i>	Ca_Kabuli_denovo	12780073	(C/A)
20431	CakSNP20431	<i>Kabuli</i>	Ca_Kabuli_denovo	12785221	(C/A)
20432	CakSNP20432	<i>Kabuli</i>	Ca_Kabuli_denovo	12785230	(G/C)
20433	CakSNP20433	<i>Kabuli</i>	Ca_Kabuli_denovo	12785482	(C/G)
20434	CakSNP20434	<i>Kabuli</i>	Ca_Kabuli_denovo	12785515	(A/G)
20435	CakSNP20435	<i>Kabuli</i>	Ca_Kabuli_denovo	12791066	(A/G)
20436	CakSNP20436	<i>Kabuli</i>	Ca_Kabuli_denovo	12791067	(A/G)
20437	CakSNP20437	<i>Kabuli</i>	Ca_Kabuli_denovo	12793473	(T/C)
20438	CakSNP20438	<i>Kabuli</i>	Ca_Kabuli_denovo	12793863	(G/A)
20439	CakSNP20439	<i>Kabuli</i>	Ca_Kabuli_denovo	12793884	(C/G)
20440	CakSNP20440	<i>Kabuli</i>	Ca_Kabuli_denovo	12795878	(C/T)
20441	CakSNP20441	<i>Kabuli</i>	Ca_Kabuli_denovo	12805396	(T/C)
20442	CakSNP20442	<i>Kabuli</i>	Ca_Kabuli_denovo	12812076	(C/G)
20443	CakSNP20443	<i>Kabuli</i>	Ca_Kabuli_denovo	12812111	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20444	CakSNP20444	<i>Kabuli</i>	Ca_Kabuli_denovo	12817660	(C/T)
20445	CakSNP20445	<i>Kabuli</i>	Ca_Kabuli_denovo	12818175	(T/G)
20446	CakSNP20446	<i>Kabuli</i>	Ca_Kabuli_denovo	12829473	(G/A)
20447	CakSNP20447	<i>Kabuli</i>	Ca_Kabuli_denovo	12830550	(C/G)
20448	CakSNP20448	<i>Kabuli</i>	Ca_Kabuli_denovo	12830559	(G/A)
20449	CakSNP20449	<i>Kabuli</i>	Ca_Kabuli_denovo	12832898	(C/A)
20450	CakSNP20450	<i>Kabuli</i>	Ca_Kabuli_denovo	12832925	(C/G)
20451	CakSNP20451	<i>Kabuli</i>	Ca_Kabuli_denovo	12843699	(C/T)
20452	CakSNP20452	<i>Kabuli</i>	Ca_Kabuli_denovo	12843736	(T/A)
20453	CakSNP20453	<i>Kabuli</i>	Ca_Kabuli_denovo	12845113	(G/T)
20454	CakSNP20454	<i>Kabuli</i>	Ca_Kabuli_denovo	12848545	(T/C)
20455	CakSNP20455	<i>Kabuli</i>	Ca_Kabuli_denovo	12850100	(T/C)
20456	CakSNP20456	<i>Kabuli</i>	Ca_Kabuli_denovo	12850561	(A/G)
20457	CakSNP20457	<i>Kabuli</i>	Ca_Kabuli_denovo	12850591	(C/T)
20458	CakSNP20458	<i>Kabuli</i>	Ca_Kabuli_denovo	12854008	(A/G)
20459	CakSNP20459	<i>Kabuli</i>	Ca_Kabuli_denovo	12854011	(G/C)
20460	CakSNP20460	<i>Kabuli</i>	Ca_Kabuli_denovo	12856834	(T/G)
20461	CakSNP20461	<i>Kabuli</i>	Ca_Kabuli_denovo	12860525	(G/A)
20462	CakSNP20462	<i>Kabuli</i>	Ca_Kabuli_denovo	12862348	(T/G)
20463	CakSNP20463	<i>Kabuli</i>	Ca_Kabuli_denovo	12863560	(A/G)
20464	CakSNP20464	<i>Kabuli</i>	Ca_Kabuli_denovo	12865448	(C/T)
20465	CakSNP20465	<i>Kabuli</i>	Ca_Kabuli_denovo	12865468	(C/T)
20466	CakSNP20466	<i>Kabuli</i>	Ca_Kabuli_denovo	12869255	(A/G)
20467	CakSNP20467	<i>Kabuli</i>	Ca_Kabuli_denovo	12871791	(C/G)
20468	CakSNP20468	<i>Kabuli</i>	Ca_Kabuli_denovo	12872788	(G/A)
20469	CakSNP20469	<i>Kabuli</i>	Ca_Kabuli_denovo	12872842	(T/C)
20470	CakSNP20470	<i>Kabuli</i>	Ca_Kabuli_denovo	12876043	(A/G)
20471	CakSNP20471	<i>Kabuli</i>	Ca_Kabuli_denovo	12888592	(A/C)
20472	CakSNP20472	<i>Kabuli</i>	Ca_Kabuli_denovo	12897255	(A/G)
20473	CakSNP20473	<i>Kabuli</i>	Ca_Kabuli_denovo	12899024	(T/C)
20474	CakSNP20474	<i>Kabuli</i>	Ca_Kabuli_denovo	12903398	(C/A)
20475	CakSNP20475	<i>Kabuli</i>	Ca_Kabuli_denovo	12903437	(C/A)
20476	CakSNP20476	<i>Kabuli</i>	Ca_Kabuli_denovo	12904085	(T/C)
20477	CakSNP20477	<i>Kabuli</i>	Ca_Kabuli_denovo	12904118	(A/G)
20478	CakSNP20478	<i>Kabuli</i>	Ca_Kabuli_denovo	12910271	(C/T)
20479	CakSNP20479	<i>Kabuli</i>	Ca_Kabuli_denovo	12910286	(A/G)
20480	CakSNP20480	<i>Kabuli</i>	Ca_Kabuli_denovo	12911244	(T/G)
20481	CakSNP20481	<i>Kabuli</i>	Ca_Kabuli_denovo	12911275	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20482	CakSNP20482	<i>Kabuli</i>	Ca_Kabuli_denovo	12914398	(C/T)
20483	CakSNP20483	<i>Kabuli</i>	Ca_Kabuli_denovo	12914424	(C/A)
20484	CakSNP20484	<i>Kabuli</i>	Ca_Kabuli_denovo	12927462	(A/G)
20485	CakSNP20485	<i>Kabuli</i>	Ca_Kabuli_denovo	12933253	(T/C)
20486	CakSNP20486	<i>Kabuli</i>	Ca_Kabuli_denovo	12935128	(T/C)
20487	CakSNP20487	<i>Kabuli</i>	Ca_Kabuli_denovo	12935673	(C/G)
20488	CakSNP20488	<i>Kabuli</i>	Ca_Kabuli_denovo	12936805	(T/C)
20489	CakSNP20489	<i>Kabuli</i>	Ca_Kabuli_denovo	12939572	(T/C)
20490	CakSNP20490	<i>Kabuli</i>	Ca_Kabuli_denovo	12939580	(G/A)
20491	CakSNP20491	<i>Kabuli</i>	Ca_Kabuli_denovo	12974203	(T/C)
20492	CakSNP20492	<i>Kabuli</i>	Ca_Kabuli_denovo	12975846	(T/C)
20493	CakSNP20493	<i>Kabuli</i>	Ca_Kabuli_denovo	12976965	(C/G)
20494	CakSNP20494	<i>Kabuli</i>	Ca_Kabuli_denovo	12977012	(C/G)
20495	CakSNP20495	<i>Kabuli</i>	Ca_Kabuli_denovo	12980401	(G/A)
20496	CakSNP20496	<i>Kabuli</i>	Ca_Kabuli_denovo	12980404	(G/C)
20497	CakSNP20497	<i>Kabuli</i>	Ca_Kabuli_denovo	12981713	(C/T)
20498	CakSNP20498	<i>Kabuli</i>	Ca_Kabuli_denovo	12983088	(A/G)
20499	CakSNP20499	<i>Kabuli</i>	Ca_Kabuli_denovo	12997717	(G/A)
20500	CakSNP20500	<i>Kabuli</i>	Ca_Kabuli_denovo	13000283	(A/C)
20501	CakSNP20501	<i>Kabuli</i>	Ca_Kabuli_denovo	13013951	(A/C)
20502	CakSNP20502	<i>Kabuli</i>	Ca_Kabuli_denovo	13013952	(G/A)
20503	CakSNP20503	<i>Kabuli</i>	Ca_Kabuli_denovo	13013955	(C/T)
20504	CakSNP20504	<i>Kabuli</i>	Ca_Kabuli_denovo	13014166	(T/C)
20505	CakSNP20505	<i>Kabuli</i>	Ca_Kabuli_denovo	13016388	(C/T)
20506	CakSNP20506	<i>Kabuli</i>	Ca_Kabuli_denovo	13016391	(G/C)
20507	CakSNP20507	<i>Kabuli</i>	Ca_Kabuli_denovo	13020665	(G/A)
20508	CakSNP20508	<i>Kabuli</i>	Ca_Kabuli_denovo	13021311	(G/A)
20509	CakSNP20509	<i>Kabuli</i>	Ca_Kabuli_denovo	13028389	(A/G)
20510	CakSNP20510	<i>Kabuli</i>	Ca_Kabuli_denovo	13028463	(G/A)
20511	CakSNP20511	<i>Kabuli</i>	Ca_Kabuli_denovo	13030260	(G/A)
20512	CakSNP20512	<i>Kabuli</i>	Ca_Kabuli_denovo	13031950	(A/C)
20513	CakSNP20513	<i>Kabuli</i>	Ca_Kabuli_denovo	13032980	(G/A)
20514	CakSNP20514	<i>Kabuli</i>	Ca_Kabuli_denovo	13033007	(C/T)
20515	CakSNP20515	<i>Kabuli</i>	Ca_Kabuli_denovo	13044230	(G/C)
20516	CakSNP20516	<i>Kabuli</i>	Ca_Kabuli_denovo	13047420	(G/A)
20517	CakSNP20517	<i>Kabuli</i>	Ca_Kabuli_denovo	13048862	(C/T)
20518	CakSNP20518	<i>Kabuli</i>	Ca_Kabuli_denovo	13049519	(T/C)
20519	CakSNP20519	<i>Kabuli</i>	Ca_Kabuli_denovo	13051397	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20520	CakSNP20520	<i>Kabuli</i>	Ca_Kabuli_denovo	13055832	(A/G)
20521	CakSNP20521	<i>Kabuli</i>	Ca_Kabuli_denovo	13060385	(C/A)
20522	CakSNP20522	<i>Kabuli</i>	Ca_Kabuli_denovo	13060407	(G/C)
20523	CakSNP20523	<i>Kabuli</i>	Ca_Kabuli_denovo	13064433	(G/A)
20524	CakSNP20524	<i>Kabuli</i>	Ca_Kabuli_denovo	13065262	(G/C)
20525	CakSNP20525	<i>Kabuli</i>	Ca_Kabuli_denovo	13082032	(G/C)
20526	CakSNP20526	<i>Kabuli</i>	Ca_Kabuli_denovo	13088614	(G/C)
20527	CakSNP20527	<i>Kabuli</i>	Ca_Kabuli_denovo	13101486	(C/G)
20528	CakSNP20528	<i>Kabuli</i>	Ca_Kabuli_denovo	13101540	(G/C)
20529	CakSNP20529	<i>Kabuli</i>	Ca_Kabuli_denovo	13107551	(T/G)
20530	CakSNP20530	<i>Kabuli</i>	Ca_Kabuli_denovo	13108297	(C/T)
20531	CakSNP20531	<i>Kabuli</i>	Ca_Kabuli_denovo	13108376	(A/G)
20532	CakSNP20532	<i>Kabuli</i>	Ca_Kabuli_denovo	13109480	(G/C)
20533	CakSNP20533	<i>Kabuli</i>	Ca_Kabuli_denovo	13109533	(C/G)
20534	CakSNP20534	<i>Kabuli</i>	Ca_Kabuli_denovo	13113390	(A/T)
20535	CakSNP20535	<i>Kabuli</i>	Ca_Kabuli_denovo	13113393	(T/C)
20536	CakSNP20536	<i>Kabuli</i>	Ca_Kabuli_denovo	13113408	(G/A)
20537	CakSNP20537	<i>Kabuli</i>	Ca_Kabuli_denovo	13114873	(A/C)
20538	CakSNP20538	<i>Kabuli</i>	Ca_Kabuli_denovo	13115242	(T/C)
20539	CakSNP20539	<i>Kabuli</i>	Ca_Kabuli_denovo	13117588	(T/G)
20540	CakSNP20540	<i>Kabuli</i>	Ca_Kabuli_denovo	13117614	(A/G)
20541	CakSNP20541	<i>Kabuli</i>	Ca_Kabuli_denovo	13119370	(T/C)
20542	CakSNP20542	<i>Kabuli</i>	Ca_Kabuli_denovo	13121866	(T/C)
20543	CakSNP20543	<i>Kabuli</i>	Ca_Kabuli_denovo	13121875	(A/G)
20544	CakSNP20544	<i>Kabuli</i>	Ca_Kabuli_denovo	13123297	(A/G)
20545	CakSNP20545	<i>Kabuli</i>	Ca_Kabuli_denovo	13124552	(A/G)
20546	CakSNP20546	<i>Kabuli</i>	Ca_Kabuli_denovo	13124612	(G/A)
20547	CakSNP20547	<i>Kabuli</i>	Ca_Kabuli_denovo	13127534	(G/T)
20548	CakSNP20548	<i>Kabuli</i>	Ca_Kabuli_denovo	13127558	(C/G)
20549	CakSNP20549	<i>Kabuli</i>	Ca_Kabuli_denovo	13131624	(G/A)
20550	CakSNP20550	<i>Kabuli</i>	Ca_Kabuli_denovo	13131674	(G/A)
20551	CakSNP20551	<i>Kabuli</i>	Ca_Kabuli_denovo	13138680	(A/G)
20552	CakSNP20552	<i>Kabuli</i>	Ca_Kabuli_denovo	13138756	(G/A)
20553	CakSNP20553	<i>Kabuli</i>	Ca_Kabuli_denovo	13141952	(T/C)
20554	CakSNP20554	<i>Kabuli</i>	Ca_Kabuli_denovo	13143666	(C/G)
20555	CakSNP20555	<i>Kabuli</i>	Ca_Kabuli_denovo	13145752	(T/G)
20556	CakSNP20556	<i>Kabuli</i>	Ca_Kabuli_denovo	13145765	(C/T)
20557	CakSNP20557	<i>Kabuli</i>	Ca_Kabuli_denovo	13146212	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20558	CakSNP20558	<i>Kabuli</i>	Ca_Kabuli_denovo	13146263	(T/A)
20559	CakSNP20559	<i>Kabuli</i>	Ca_Kabuli_denovo	13147196	(A/G)
20560	CakSNP20560	<i>Kabuli</i>	Ca_Kabuli_denovo	13147202	(G/A)
20561	CakSNP20561	<i>Kabuli</i>	Ca_Kabuli_denovo	13155547	(G/T)
20562	CakSNP20562	<i>Kabuli</i>	Ca_Kabuli_denovo	13162784	(G/C)
20563	CakSNP20563	<i>Kabuli</i>	Ca_Kabuli_denovo	13169513	(C/T)
20564	CakSNP20564	<i>Kabuli</i>	Ca_Kabuli_denovo	13169527	(C/T)
20565	CakSNP20565	<i>Kabuli</i>	Ca_Kabuli_denovo	13171259	(A/G)
20566	CakSNP20566	<i>Kabuli</i>	Ca_Kabuli_denovo	13171283	(A/G)
20567	CakSNP20567	<i>Kabuli</i>	Ca_Kabuli_denovo	13172040	(A/G)
20568	CakSNP20568	<i>Kabuli</i>	Ca_Kabuli_denovo	13173271	(C/T)
20569	CakSNP20569	<i>Kabuli</i>	Ca_Kabuli_denovo	13173276	(G/A)
20570	CakSNP20570	<i>Kabuli</i>	Ca_Kabuli_denovo	13178980	(C/G)
20571	CakSNP20571	<i>Kabuli</i>	Ca_Kabuli_denovo	13179014	(C/G)
20572	CakSNP20572	<i>Kabuli</i>	Ca_Kabuli_denovo	13182701	(C/G)
20573	CakSNP20573	<i>Kabuli</i>	Ca_Kabuli_denovo	13184993	(G/C)
20574	CakSNP20574	<i>Kabuli</i>	Ca_Kabuli_denovo	13187926	(C/T)
20575	CakSNP20575	<i>Kabuli</i>	Ca_Kabuli_denovo	13189933	(A/G)
20576	CakSNP20576	<i>Kabuli</i>	Ca_Kabuli_denovo	13194655	(A/C)
20577	CakSNP20577	<i>Kabuli</i>	Ca_Kabuli_denovo	13198712	(T/C)
20578	CakSNP20578	<i>Kabuli</i>	Ca_Kabuli_denovo	13198718	(C/T)
20579	CakSNP20579	<i>Kabuli</i>	Ca_Kabuli_denovo	13203576	(T/G)
20580	CakSNP20580	<i>Kabuli</i>	Ca_Kabuli_denovo	13205570	(T/C)
20581	CakSNP20581	<i>Kabuli</i>	Ca_Kabuli_denovo	13205676	(A/C)
20582	CakSNP20582	<i>Kabuli</i>	Ca_Kabuli_denovo	13206342	(G/C)
20583	CakSNP20583	<i>Kabuli</i>	Ca_Kabuli_denovo	13208511	(A/C)
20584	CakSNP20584	<i>Kabuli</i>	Ca_Kabuli_denovo	13208512	(G/A)
20585	CakSNP20585	<i>Kabuli</i>	Ca_Kabuli_denovo	13211264	(A/G)
20586	CakSNP20586	<i>Kabuli</i>	Ca_Kabuli_denovo	13219900	(G/T)
20587	CakSNP20587	<i>Kabuli</i>	Ca_Kabuli_denovo	13220434	(C/T)
20588	CakSNP20588	<i>Kabuli</i>	Ca_Kabuli_denovo	13220440	(A/G)
20589	CakSNP20589	<i>Kabuli</i>	Ca_Kabuli_denovo	13223422	(C/G)
20590	CakSNP20590	<i>Kabuli</i>	Ca_Kabuli_denovo	13223458	(C/T)
20591	CakSNP20591	<i>Kabuli</i>	Ca_Kabuli_denovo	13233187	(T/A)
20592	CakSNP20592	<i>Kabuli</i>	Ca_Kabuli_denovo	13233773	(C/T)
20593	CakSNP20593	<i>Kabuli</i>	Ca_Kabuli_denovo	13236038	(A/C)
20594	CakSNP20594	<i>Kabuli</i>	Ca_Kabuli_denovo	13236125	(T/C)
20595	CakSNP20595	<i>Kabuli</i>	Ca_Kabuli_denovo	13236608	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20596	CakSNP20596	<i>Kabuli</i>	Ca_Kabuli_denovo	13243606	(G/T)
20597	CakSNP20597	<i>Kabuli</i>	Ca_Kabuli_denovo	13243624	(C/A)
20598	CakSNP20598	<i>Kabuli</i>	Ca_Kabuli_denovo	13255115	(G/A)
20599	CakSNP20599	<i>Kabuli</i>	Ca_Kabuli_denovo	13256716	(C/T)
20600	CakSNP20600	<i>Kabuli</i>	Ca_Kabuli_denovo	13257182	(A/G)
20601	CakSNP20601	<i>Kabuli</i>	Ca_Kabuli_denovo	13257218	(C/T)
20602	CakSNP20602	<i>Kabuli</i>	Ca_Kabuli_denovo	13257741	(G/C)
20603	CakSNP20603	<i>Kabuli</i>	Ca_Kabuli_denovo	13257752	(C/T)
20604	CakSNP20604	<i>Kabuli</i>	Ca_Kabuli_denovo	13262646	(C/T)
20605	CakSNP20605	<i>Kabuli</i>	Ca_Kabuli_denovo	13262682	(G/C)
20606	CakSNP20606	<i>Kabuli</i>	Ca_Kabuli_denovo	13263857	(C/G)
20607	CakSNP20607	<i>Kabuli</i>	Ca_Kabuli_denovo	13263881	(T/C)
20608	CakSNP20608	<i>Kabuli</i>	Ca_Kabuli_denovo	13265069	(T/C)
20609	CakSNP20609	<i>Kabuli</i>	Ca_Kabuli_denovo	13265087	(G/C)
20610	CakSNP20610	<i>Kabuli</i>	Ca_Kabuli_denovo	13265898	(A/G)
20611	CakSNP20611	<i>Kabuli</i>	Ca_Kabuli_denovo	13265931	(G/A)
20612	CakSNP20612	<i>Kabuli</i>	Ca_Kabuli_denovo	13266100	(T/C)
20613	CakSNP20613	<i>Kabuli</i>	Ca_Kabuli_denovo	13266130	(A/T)
20614	CakSNP20614	<i>Kabuli</i>	Ca_Kabuli_denovo	13268055	(T/C)
20615	CakSNP20615	<i>Kabuli</i>	Ca_Kabuli_denovo	13268076	(G/T)
20616	CakSNP20616	<i>Kabuli</i>	Ca_Kabuli_denovo	13271245	(A/G)
20617	CakSNP20617	<i>Kabuli</i>	Ca_Kabuli_denovo	13271253	(T/C)
20618	CakSNP20618	<i>Kabuli</i>	Ca_Kabuli_denovo	13274178	(C/A)
20619	CakSNP20619	<i>Kabuli</i>	Ca_Kabuli_denovo	13274216	(C/G)
20620	CakSNP20620	<i>Kabuli</i>	Ca_Kabuli_denovo	13281091	(T/A)
20621	CakSNP20621	<i>Kabuli</i>	Ca_Kabuli_denovo	13283664	(C/A)
20622	CakSNP20622	<i>Kabuli</i>	Ca_Kabuli_denovo	13291126	(C/A)
20623	CakSNP20623	<i>Kabuli</i>	Ca_Kabuli_denovo	13298005	(C/T)
20624	CakSNP20624	<i>Kabuli</i>	Ca_Kabuli_denovo	13299371	(A/T)
20625	CakSNP20625	<i>Kabuli</i>	Ca_Kabuli_denovo	13299943	(G/A)
20626	CakSNP20626	<i>Kabuli</i>	Ca_Kabuli_denovo	13300502	(C/T)
20627	CakSNP20627	<i>Kabuli</i>	Ca_Kabuli_denovo	13300525	(C/T)
20628	CakSNP20628	<i>Kabuli</i>	Ca_Kabuli_denovo	13302088	(G/T)
20629	CakSNP20629	<i>Kabuli</i>	Ca_Kabuli_denovo	13302097	(A/G)
20630	CakSNP20630	<i>Kabuli</i>	Ca_Kabuli_denovo	13305822	(C/T)
20631	CakSNP20631	<i>Kabuli</i>	Ca_Kabuli_denovo	13309255	(A/G)
20632	CakSNP20632	<i>Kabuli</i>	Ca_Kabuli_denovo	13309265	(T/C)
20633	CakSNP20633	<i>Kabuli</i>	Ca_Kabuli_denovo	13318048	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20634	CakSNP20634	<i>Kabuli</i>	Ca_Kabuli_denovo	13321431	(G/C)
20635	CakSNP20635	<i>Kabuli</i>	Ca_Kabuli_denovo	13321444	(T/A)
20636	CakSNP20636	<i>Kabuli</i>	Ca_Kabuli_denovo	13326443	(T/A)
20637	CakSNP20637	<i>Kabuli</i>	Ca_Kabuli_denovo	13326470	(A/G)
20638	CakSNP20638	<i>Kabuli</i>	Ca_Kabuli_denovo	13331285	(A/G)
20639	CakSNP20639	<i>Kabuli</i>	Ca_Kabuli_denovo	13331312	(C/G)
20640	CakSNP20640	<i>Kabuli</i>	Ca_Kabuli_denovo	13338641	(A/C)
20641	CakSNP20641	<i>Kabuli</i>	Ca_Kabuli_denovo	13338649	(T/G)
20642	CakSNP20642	<i>Kabuli</i>	Ca_Kabuli_denovo	13342906	(A/G)
20643	CakSNP20643	<i>Kabuli</i>	Ca_Kabuli_denovo	13347586	(G/C)
20644	CakSNP20644	<i>Kabuli</i>	Ca_Kabuli_denovo	13347619	(C/T)
20645	CakSNP20645	<i>Kabuli</i>	Ca_Kabuli_denovo	13350368	(G/C)
20646	CakSNP20646	<i>Kabuli</i>	Ca_Kabuli_denovo	13350390	(A/G)
20647	CakSNP20647	<i>Kabuli</i>	Ca_Kabuli_denovo	13350733	(A/G)
20648	CakSNP20648	<i>Kabuli</i>	Ca_Kabuli_denovo	13350766	(T/C)
20649	CakSNP20649	<i>Kabuli</i>	Ca_Kabuli_denovo	13351946	(A/G)
20650	CakSNP20650	<i>Kabuli</i>	Ca_Kabuli_denovo	13354654	(C/G)
20651	CakSNP20651	<i>Kabuli</i>	Ca_Kabuli_denovo	13361155	(T/C)
20652	CakSNP20652	<i>Kabuli</i>	Ca_Kabuli_denovo	13368691	(G/T)
20653	CakSNP20653	<i>Kabuli</i>	Ca_Kabuli_denovo	13373609	(C/T)
20654	CakSNP20654	<i>Kabuli</i>	Ca_Kabuli_denovo	13373661	(G/A)
20655	CakSNP20655	<i>Kabuli</i>	Ca_Kabuli_denovo	13375276	(T/C)
20656	CakSNP20656	<i>Kabuli</i>	Ca_Kabuli_denovo	13376177	(C/T)
20657	CakSNP20657	<i>Kabuli</i>	Ca_Kabuli_denovo	13376187	(C/T)
20658	CakSNP20658	<i>Kabuli</i>	Ca_Kabuli_denovo	13390756	(T/C)
20659	CakSNP20659	<i>Kabuli</i>	Ca_Kabuli_denovo	13390759	(A/G)
20660	CakSNP20660	<i>Kabuli</i>	Ca_Kabuli_denovo	13400505	(T/C)
20661	CakSNP20661	<i>Kabuli</i>	Ca_Kabuli_denovo	13400514	(C/A)
20662	CakSNP20662	<i>Kabuli</i>	Ca_Kabuli_denovo	13402676	(C/T)
20663	CakSNP20663	<i>Kabuli</i>	Ca_Kabuli_denovo	13402685	(C/T)
20664	CakSNP20664	<i>Kabuli</i>	Ca_Kabuli_denovo	13402948	(T/C)
20665	CakSNP20665	<i>Kabuli</i>	Ca_Kabuli_denovo	13402956	(G/C)
20666	CakSNP20666	<i>Kabuli</i>	Ca_Kabuli_denovo	13402957	(C/T)
20667	CakSNP20667	<i>Kabuli</i>	Ca_Kabuli_denovo	13403374	(C/T)
20668	CakSNP20668	<i>Kabuli</i>	Ca_Kabuli_denovo	13404299	(C/T)
20669	CakSNP20669	<i>Kabuli</i>	Ca_Kabuli_denovo	13405999	(T/C)
20670	CakSNP20670	<i>Kabuli</i>	Ca_Kabuli_denovo	13408133	(G/A)
20671	CakSNP20671	<i>Kabuli</i>	Ca_Kabuli_denovo	13413523	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20672	CakSNP20672	<i>Kabuli</i>	Ca_Kabuli_denovo	13421129	(A/G)
20673	CakSNP20673	<i>Kabuli</i>	Ca_Kabuli_denovo	13423674	(G/A)
20674	CakSNP20674	<i>Kabuli</i>	Ca_Kabuli_denovo	13424125	(A/T)
20675	CakSNP20675	<i>Kabuli</i>	Ca_Kabuli_denovo	13425959	(C/G)
20676	CakSNP20676	<i>Kabuli</i>	Ca_Kabuli_denovo	13431139	(T/C)
20677	CakSNP20677	<i>Kabuli</i>	Ca_Kabuli_denovo	13434517	(C/G)
20678	CakSNP20678	<i>Kabuli</i>	Ca_Kabuli_denovo	13437430	(T/C)
20679	CakSNP20679	<i>Kabuli</i>	Ca_Kabuli_denovo	13438296	(C/A)
20680	CakSNP20680	<i>Kabuli</i>	Ca_Kabuli_denovo	13444653	(A/G)
20681	CakSNP20681	<i>Kabuli</i>	Ca_Kabuli_denovo	13449681	(C/T)
20682	CakSNP20682	<i>Kabuli</i>	Ca_Kabuli_denovo	13450012	(G/A)
20683	CakSNP20683	<i>Kabuli</i>	Ca_Kabuli_denovo	13451539	(T/C)
20684	CakSNP20684	<i>Kabuli</i>	Ca_Kabuli_denovo	13451572	(G/T)
20685	CakSNP20685	<i>Kabuli</i>	Ca_Kabuli_denovo	13452839	(A/G)
20686	CakSNP20686	<i>Kabuli</i>	Ca_Kabuli_denovo	13462372	(A/C)
20687	CakSNP20687	<i>Kabuli</i>	Ca_Kabuli_denovo	13465634	(C/G)
20688	CakSNP20688	<i>Kabuli</i>	Ca_Kabuli_denovo	13467173	(G/A)
20689	CakSNP20689	<i>Kabuli</i>	Ca_Kabuli_denovo	13475729	(C/T)
20690	CakSNP20690	<i>Kabuli</i>	Ca_Kabuli_denovo	13475780	(T/C)
20691	CakSNP20691	<i>Kabuli</i>	Ca_Kabuli_denovo	13477849	(T/C)
20692	CakSNP20692	<i>Kabuli</i>	Ca_Kabuli_denovo	13477879	(C/T)
20693	CakSNP20693	<i>Kabuli</i>	Ca_Kabuli_denovo	13482416	(C/T)
20694	CakSNP20694	<i>Kabuli</i>	Ca_Kabuli_denovo	13483653	(C/G)
20695	CakSNP20695	<i>Kabuli</i>	Ca_Kabuli_denovo	13483915	(C/T)
20696	CakSNP20696	<i>Kabuli</i>	Ca_Kabuli_denovo	13483957	(C/T)
20697	CakSNP20697	<i>Kabuli</i>	Ca_Kabuli_denovo	13484597	(G/A)
20698	CakSNP20698	<i>Kabuli</i>	Ca_Kabuli_denovo	13486160	(G/A)
20699	CakSNP20699	<i>Kabuli</i>	Ca_Kabuli_denovo	13486322	(C/T)
20700	CakSNP20700	<i>Kabuli</i>	Ca_Kabuli_denovo	13487264	(C/T)
20701	CakSNP20701	<i>Kabuli</i>	Ca_Kabuli_denovo	13487276	(C/T)
20702	CakSNP20702	<i>Kabuli</i>	Ca_Kabuli_denovo	13489767	(C/G)
20703	CakSNP20703	<i>Kabuli</i>	Ca_Kabuli_denovo	13489770	(A/G)
20704	CakSNP20704	<i>Kabuli</i>	Ca_Kabuli_denovo	13489794	(C/T)
20705	CakSNP20705	<i>Kabuli</i>	Ca_Kabuli_denovo	13494557	(G/C)
20706	CakSNP20706	<i>Kabuli</i>	Ca_Kabuli_denovo	13494571	(A/G)
20707	CakSNP20707	<i>Kabuli</i>	Ca_Kabuli_denovo	13500382	(C/A)
20708	CakSNP20708	<i>Kabuli</i>	Ca_Kabuli_denovo	13511809	(A/G)
20709	CakSNP20709	<i>Kabuli</i>	Ca_Kabuli_denovo	13511857	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20710	CakSNP20710	<i>Kabuli</i>	Ca_Kabuli_denovo	13515765	(T/C)
20711	CakSNP20711	<i>Kabuli</i>	Ca_Kabuli_denovo	13528252	(G/A)
20712	CakSNP20712	<i>Kabuli</i>	Ca_Kabuli_denovo	13528261	(G/A)
20713	CakSNP20713	<i>Kabuli</i>	Ca_Kabuli_denovo	13536814	(A/G)
20714	CakSNP20714	<i>Kabuli</i>	Ca_Kabuli_denovo	13536909	(C/T)
20715	CakSNP20715	<i>Kabuli</i>	Ca_Kabuli_denovo	13536915	(G/C)
20716	CakSNP20716	<i>Kabuli</i>	Ca_Kabuli_denovo	13539057	(G/C)
20717	CakSNP20717	<i>Kabuli</i>	Ca_Kabuli_denovo	13544201	(G/A)
20718	CakSNP20718	<i>Kabuli</i>	Ca_Kabuli_denovo	13550350	(T/C)
20719	CakSNP20719	<i>Kabuli</i>	Ca_Kabuli_denovo	13560452	(G/A)
20720	CakSNP20720	<i>Kabuli</i>	Ca_Kabuli_denovo	13565367	(C/G)
20721	CakSNP20721	<i>Kabuli</i>	Ca_Kabuli_denovo	13565390	(A/G)
20722	CakSNP20722	<i>Kabuli</i>	Ca_Kabuli_denovo	13575988	(T/C)
20723	CakSNP20723	<i>Kabuli</i>	Ca_Kabuli_denovo	13576027	(G/T)
20724	CakSNP20724	<i>Kabuli</i>	Ca_Kabuli_denovo	13602770	(G/T)
20725	CakSNP20725	<i>Kabuli</i>	Ca_Kabuli_denovo	13604914	(T/C)
20726	CakSNP20726	<i>Kabuli</i>	Ca_Kabuli_denovo	13604935	(C/T)
20727	CakSNP20727	<i>Kabuli</i>	Ca_Kabuli_denovo	13606541	(A/G)
20728	CakSNP20728	<i>Kabuli</i>	Ca_Kabuli_denovo	13613180	(T/C)
20729	CakSNP20729	<i>Kabuli</i>	Ca_Kabuli_denovo	13613224	(A/G)
20730	CakSNP20730	<i>Kabuli</i>	Ca_Kabuli_denovo	13613225	(A/G)
20731	CakSNP20731	<i>Kabuli</i>	Ca_Kabuli_denovo	13613231	(C/G)
20732	CakSNP20732	<i>Kabuli</i>	Ca_Kabuli_denovo	13617653	(C/T)
20733	CakSNP20733	<i>Kabuli</i>	Ca_Kabuli_denovo	13617683	(A/T)
20734	CakSNP20734	<i>Kabuli</i>	Ca_Kabuli_denovo	13623029	(G/A)
20735	CakSNP20735	<i>Kabuli</i>	Ca_Kabuli_denovo	13623080	(G/C)
20736	CakSNP20736	<i>Kabuli</i>	Ca_Kabuli_denovo	13625592	(C/G)
20737	CakSNP20737	<i>Kabuli</i>	Ca_Kabuli_denovo	13625871	(G/T)
20738	CakSNP20738	<i>Kabuli</i>	Ca_Kabuli_denovo	13626117	(C/T)
20739	CakSNP20739	<i>Kabuli</i>	Ca_Kabuli_denovo	13629263	(T/C)
20740	CakSNP20740	<i>Kabuli</i>	Ca_Kabuli_denovo	13629308	(C/T)
20741	CakSNP20741	<i>Kabuli</i>	Ca_Kabuli_denovo	13632321	(T/C)
20742	CakSNP20742	<i>Kabuli</i>	Ca_Kabuli_denovo	13632391	(A/G)
20743	CakSNP20743	<i>Kabuli</i>	Ca_Kabuli_denovo	13641188	(A/G)
20744	CakSNP20744	<i>Kabuli</i>	Ca_Kabuli_denovo	13641203	(G/A)
20745	CakSNP20745	<i>Kabuli</i>	Ca_Kabuli_denovo	13641400	(G/A)
20746	CakSNP20746	<i>Kabuli</i>	Ca_Kabuli_denovo	13643385	(G/C)
20747	CakSNP20747	<i>Kabuli</i>	Ca_Kabuli_denovo	13643444	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20748	CakSNP20748	<i>Kabuli</i>	Ca_Kabuli_denovo	13651337	(T/G)
20749	CakSNP20749	<i>Kabuli</i>	Ca_Kabuli_denovo	13655503	(A/G)
20750	CakSNP20750	<i>Kabuli</i>	Ca_Kabuli_denovo	13655518	(A/G)
20751	CakSNP20751	<i>Kabuli</i>	Ca_Kabuli_denovo	13666470	(C/T)
20752	CakSNP20752	<i>Kabuli</i>	Ca_Kabuli_denovo	13666480	(A/G)
20753	CakSNP20753	<i>Kabuli</i>	Ca_Kabuli_denovo	13673377	(T/C)
20754	CakSNP20754	<i>Kabuli</i>	Ca_Kabuli_denovo	13675125	(C/T)
20755	CakSNP20755	<i>Kabuli</i>	Ca_Kabuli_denovo	13675292	(G/A)
20756	CakSNP20756	<i>Kabuli</i>	Ca_Kabuli_denovo	13677592	(A/C)
20757	CakSNP20757	<i>Kabuli</i>	Ca_Kabuli_denovo	13687869	(G/C)
20758	CakSNP20758	<i>Kabuli</i>	Ca_Kabuli_denovo	13691846	(G/A)
20759	CakSNP20759	<i>Kabuli</i>	Ca_Kabuli_denovo	13691919	(T/A)
20760	CakSNP20760	<i>Kabuli</i>	Ca_Kabuli_denovo	13698536	(C/T)
20761	CakSNP20761	<i>Kabuli</i>	Ca_Kabuli_denovo	13698551	(G/C)
20762	CakSNP20762	<i>Kabuli</i>	Ca_Kabuli_denovo	13701338	(G/C)
20763	CakSNP20763	<i>Kabuli</i>	Ca_Kabuli_denovo	13701377	(C/T)
20764	CakSNP20764	<i>Kabuli</i>	Ca_Kabuli_denovo	13704680	(T/C)
20765	CakSNP20765	<i>Kabuli</i>	Ca_Kabuli_denovo	13706750	(T/C)
20766	CakSNP20766	<i>Kabuli</i>	Ca_Kabuli_denovo	13706908	(T/C)
20767	CakSNP20767	<i>Kabuli</i>	Ca_Kabuli_denovo	13706944	(C/T)
20768	CakSNP20768	<i>Kabuli</i>	Ca_Kabuli_denovo	13709609	(A/G)
20769	CakSNP20769	<i>Kabuli</i>	Ca_Kabuli_denovo	13710121	(G/T)
20770	CakSNP20770	<i>Kabuli</i>	Ca_Kabuli_denovo	13711298	(T/C)
20771	CakSNP20771	<i>Kabuli</i>	Ca_Kabuli_denovo	13711325	(C/G)
20772	CakSNP20772	<i>Kabuli</i>	Ca_Kabuli_denovo	13718021	(G/A)
20773	CakSNP20773	<i>Kabuli</i>	Ca_Kabuli_denovo	13721788	(T/C)
20774	CakSNP20774	<i>Kabuli</i>	Ca_Kabuli_denovo	13721815	(C/T)
20775	CakSNP20775	<i>Kabuli</i>	Ca_Kabuli_denovo	13732598	(C/T)
20776	CakSNP20776	<i>Kabuli</i>	Ca_Kabuli_denovo	13732658	(C/T)
20777	CakSNP20777	<i>Kabuli</i>	Ca_Kabuli_denovo	13736037	(G/A)
20778	CakSNP20778	<i>Kabuli</i>	Ca_Kabuli_denovo	13736092	(C/G)
20779	CakSNP20779	<i>Kabuli</i>	Ca_Kabuli_denovo	13739207	(A/G)
20780	CakSNP20780	<i>Kabuli</i>	Ca_Kabuli_denovo	13739213	(C/T)
20781	CakSNP20781	<i>Kabuli</i>	Ca_Kabuli_denovo	13740208	(A/G)
20782	CakSNP20782	<i>Kabuli</i>	Ca_Kabuli_denovo	13745703	(T/C)
20783	CakSNP20783	<i>Kabuli</i>	Ca_Kabuli_denovo	13745704	(T/C)
20784	CakSNP20784	<i>Kabuli</i>	Ca_Kabuli_denovo	13757579	(G/T)
20785	CakSNP20785	<i>Kabuli</i>	Ca_Kabuli_denovo	13762433	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20786	CakSNP20786	<i>Kabuli</i>	Ca_Kabuli_denovo	13762450	(C/T)
20787	CakSNP20787	<i>Kabuli</i>	Ca_Kabuli_denovo	13764490	(C/A)
20788	CakSNP20788	<i>Kabuli</i>	Ca_Kabuli_denovo	13770447	(C/T)
20789	CakSNP20789	<i>Kabuli</i>	Ca_Kabuli_denovo	13770484	(T/C)
20790	CakSNP20790	<i>Kabuli</i>	Ca_Kabuli_denovo	13788645	(T/G)
20791	CakSNP20791	<i>Kabuli</i>	Ca_Kabuli_denovo	13788697	(G/A)
20792	CakSNP20792	<i>Kabuli</i>	Ca_Kabuli_denovo	13788721	(T/C)
20793	CakSNP20793	<i>Kabuli</i>	Ca_Kabuli_denovo	13794543	(T/C)
20794	CakSNP20794	<i>Kabuli</i>	Ca_Kabuli_denovo	13799629	(G/C)
20795	CakSNP20795	<i>Kabuli</i>	Ca_Kabuli_denovo	13799704	(T/C)
20796	CakSNP20796	<i>Kabuli</i>	Ca_Kabuli_denovo	13817434	(G/A)
20797	CakSNP20797	<i>Kabuli</i>	Ca_Kabuli_denovo	13819277	(C/A)
20798	CakSNP20798	<i>Kabuli</i>	Ca_Kabuli_denovo	13819286	(G/C)
20799	CakSNP20799	<i>Kabuli</i>	Ca_Kabuli_denovo	13820035	(C/T)
20800	CakSNP20800	<i>Kabuli</i>	Ca_Kabuli_denovo	13826976	(G/T)
20801	CakSNP20801	<i>Kabuli</i>	Ca_Kabuli_denovo	13826995	(G/A)
20802	CakSNP20802	<i>Kabuli</i>	Ca_Kabuli_denovo	13831242	(A/T)
20803	CakSNP20803	<i>Kabuli</i>	Ca_Kabuli_denovo	13838447	(T/C)
20804	CakSNP20804	<i>Kabuli</i>	Ca_Kabuli_denovo	13841687	(C/T)
20805	CakSNP20805	<i>Kabuli</i>	Ca_Kabuli_denovo	13841700	(A/G)
20806	CakSNP20806	<i>Kabuli</i>	Ca_Kabuli_denovo	13841822	(T/G)
20807	CakSNP20807	<i>Kabuli</i>	Ca_Kabuli_denovo	13849092	(C/T)
20808	CakSNP20808	<i>Kabuli</i>	Ca_Kabuli_denovo	13851470	(A/G)
20809	CakSNP20809	<i>Kabuli</i>	Ca_Kabuli_denovo	13854412	(G/C)
20810	CakSNP20810	<i>Kabuli</i>	Ca_Kabuli_denovo	13868476	(A/C)
20811	CakSNP20811	<i>Kabuli</i>	Ca_Kabuli_denovo	13868494	(C/G)
20812	CakSNP20812	<i>Kabuli</i>	Ca_Kabuli_denovo	13868588	(G/A)
20813	CakSNP20813	<i>Kabuli</i>	Ca_Kabuli_denovo	13870026	(T/C)
20814	CakSNP20814	<i>Kabuli</i>	Ca_Kabuli_denovo	13870068	(A/C)
20815	CakSNP20815	<i>Kabuli</i>	Ca_Kabuli_denovo	13878412	(A/C)
20816	CakSNP20816	<i>Kabuli</i>	Ca_Kabuli_denovo	13879822	(G/T)
20817	CakSNP20817	<i>Kabuli</i>	Ca_Kabuli_denovo	13882414	(G/A)
20818	CakSNP20818	<i>Kabuli</i>	Ca_Kabuli_denovo	13882450	(T/C)
20819	CakSNP20819	<i>Kabuli</i>	Ca_Kabuli_denovo	13884785	(T/C)
20820	CakSNP20820	<i>Kabuli</i>	Ca_Kabuli_denovo	13885854	(T/C)
20821	CakSNP20821	<i>Kabuli</i>	Ca_Kabuli_denovo	13892083	(A/G)
20822	CakSNP20822	<i>Kabuli</i>	Ca_Kabuli_denovo	13892084	(C/A)
20823	CakSNP20823	<i>Kabuli</i>	Ca_Kabuli_denovo	13898027	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20824	CakSNP20824	<i>Kabuli</i>	Ca_Kabuli_denovo	13901395	(T/C)
20825	CakSNP20825	<i>Kabuli</i>	Ca_Kabuli_denovo	13902570	(A/C)
20826	CakSNP20826	<i>Kabuli</i>	Ca_Kabuli_denovo	13902571	(A/G)
20827	CakSNP20827	<i>Kabuli</i>	Ca_Kabuli_denovo	13911052	(T/A)
20828	CakSNP20828	<i>Kabuli</i>	Ca_Kabuli_denovo	13911082	(G/A)
20829	CakSNP20829	<i>Kabuli</i>	Ca_Kabuli_denovo	13912343	(T/C)
20830	CakSNP20830	<i>Kabuli</i>	Ca_Kabuli_denovo	13912361	(A/G)
20831	CakSNP20831	<i>Kabuli</i>	Ca_Kabuli_denovo	13915445	(G/A)
20832	CakSNP20832	<i>Kabuli</i>	Ca_Kabuli_denovo	13928830	(C/T)
20833	CakSNP20833	<i>Kabuli</i>	Ca_Kabuli_denovo	13935332	(G/A)
20834	CakSNP20834	<i>Kabuli</i>	Ca_Kabuli_denovo	13938219	(G/A)
20835	CakSNP20835	<i>Kabuli</i>	Ca_Kabuli_denovo	13938220	(G/A)
20836	CakSNP20836	<i>Kabuli</i>	Ca_Kabuli_denovo	13942437	(G/A)
20837	CakSNP20837	<i>Kabuli</i>	Ca_Kabuli_denovo	13942467	(G/A)
20838	CakSNP20838	<i>Kabuli</i>	Ca_Kabuli_denovo	13945517	(C/T)
20839	CakSNP20839	<i>Kabuli</i>	Ca_Kabuli_denovo	13948830	(T/C)
20840	CakSNP20840	<i>Kabuli</i>	Ca_Kabuli_denovo	13955773	(T/C)
20841	CakSNP20841	<i>Kabuli</i>	Ca_Kabuli_denovo	13955776	(G/C)
20842	CakSNP20842	<i>Kabuli</i>	Ca_Kabuli_denovo	13958314	(A/T)
20843	CakSNP20843	<i>Kabuli</i>	Ca_Kabuli_denovo	13960720	(C/T)
20844	CakSNP20844	<i>Kabuli</i>	Ca_Kabuli_denovo	13963694	(C/A)
20845	CakSNP20845	<i>Kabuli</i>	Ca_Kabuli_denovo	13963760	(A/G)
20846	CakSNP20846	<i>Kabuli</i>	Ca_Kabuli_denovo	13965291	(C/G)
20847	CakSNP20847	<i>Kabuli</i>	Ca_Kabuli_denovo	13965316	(C/T)
20848	CakSNP20848	<i>Kabuli</i>	Ca_Kabuli_denovo	13974263	(G/A)
20849	CakSNP20849	<i>Kabuli</i>	Ca_Kabuli_denovo	13977184	(G/A)
20850	CakSNP20850	<i>Kabuli</i>	Ca_Kabuli_denovo	13978845	(A/G)
20851	CakSNP20851	<i>Kabuli</i>	Ca_Kabuli_denovo	13978865	(A/G)
20852	CakSNP20852	<i>Kabuli</i>	Ca_Kabuli_denovo	13978866	(C/G)
20853	CakSNP20853	<i>Kabuli</i>	Ca_Kabuli_denovo	13980992	(G/A)
20854	CakSNP20854	<i>Kabuli</i>	Ca_Kabuli_denovo	13981007	(T/C)
20855	CakSNP20855	<i>Kabuli</i>	Ca_Kabuli_denovo	13988791	(G/C)
20856	CakSNP20856	<i>Kabuli</i>	Ca_Kabuli_denovo	13988810	(C/G)
20857	CakSNP20857	<i>Kabuli</i>	Ca_Kabuli_denovo	13989848	(A/G)
20858	CakSNP20858	<i>Kabuli</i>	Ca_Kabuli_denovo	13989891	(G/A)
20859	CakSNP20859	<i>Kabuli</i>	Ca_Kabuli_denovo	13991399	(T/C)
20860	CakSNP20860	<i>Kabuli</i>	Ca_Kabuli_denovo	13991444	(A/G)
20861	CakSNP20861	<i>Kabuli</i>	Ca_Kabuli_denovo	13991699	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20862	CakSNP20862	<i>Kabuli</i>	Ca_Kabuli_denovo	13993112	(G/A)
20863	CakSNP20863	<i>Kabuli</i>	Ca_Kabuli_denovo	13994280	(C/T)
20864	CakSNP20864	<i>Kabuli</i>	Ca_Kabuli_denovo	13994560	(C/G)
20865	CakSNP20865	<i>Kabuli</i>	Ca_Kabuli_denovo	13994609	(A/G)
20866	CakSNP20866	<i>Kabuli</i>	Ca_Kabuli_denovo	13997710	(C/A)
20867	CakSNP20867	<i>Kabuli</i>	Ca_Kabuli_denovo	14013165	(T/C)
20868	CakSNP20868	<i>Kabuli</i>	Ca_Kabuli_denovo	14024171	(A/G)
20869	CakSNP20869	<i>Kabuli</i>	Ca_Kabuli_denovo	14024173	(T/C)
20870	CakSNP20870	<i>Kabuli</i>	Ca_Kabuli_denovo	14031255	(G/C)
20871	CakSNP20871	<i>Kabuli</i>	Ca_Kabuli_denovo	14031282	(A/G)
20872	CakSNP20872	<i>Kabuli</i>	Ca_Kabuli_denovo	14038882	(A/G)
20873	CakSNP20873	<i>Kabuli</i>	Ca_Kabuli_denovo	14047682	(A/G)
20874	CakSNP20874	<i>Kabuli</i>	Ca_Kabuli_denovo	14047694	(G/A)
20875	CakSNP20875	<i>Kabuli</i>	Ca_Kabuli_denovo	14051292	(C/A)
20876	CakSNP20876	<i>Kabuli</i>	Ca_Kabuli_denovo	14054007	(C/T)
20877	CakSNP20877	<i>Kabuli</i>	Ca_Kabuli_denovo	14054913	(C/T)
20878	CakSNP20878	<i>Kabuli</i>	Ca_Kabuli_denovo	14063953	(G/C)
20879	CakSNP20879	<i>Kabuli</i>	Ca_Kabuli_denovo	14069422	(A/G)
20880	CakSNP20880	<i>Kabuli</i>	Ca_Kabuli_denovo	14069482	(C/T)
20881	CakSNP20881	<i>Kabuli</i>	Ca_Kabuli_denovo	14070071	(A/G)
20882	CakSNP20882	<i>Kabuli</i>	Ca_Kabuli_denovo	14070080	(T/C)
20883	CakSNP20883	<i>Kabuli</i>	Ca_Kabuli_denovo	14090644	(C/G)
20884	CakSNP20884	<i>Kabuli</i>	Ca_Kabuli_denovo	14094627	(C/T)
20885	CakSNP20885	<i>Kabuli</i>	Ca_Kabuli_denovo	14094666	(A/G)
20886	CakSNP20886	<i>Kabuli</i>	Ca_Kabuli_denovo	14095149	(T/G)
20887	CakSNP20887	<i>Kabuli</i>	Ca_Kabuli_denovo	14097307	(T/G)
20888	CakSNP20888	<i>Kabuli</i>	Ca_Kabuli_denovo	14097992	(G/A)
20889	CakSNP20889	<i>Kabuli</i>	Ca_Kabuli_denovo	14099100	(A/G)
20890	CakSNP20890	<i>Kabuli</i>	Ca_Kabuli_denovo	14101707	(G/C)
20891	CakSNP20891	<i>Kabuli</i>	Ca_Kabuli_denovo	14102440	(C/T)
20892	CakSNP20892	<i>Kabuli</i>	Ca_Kabuli_denovo	14102489	(G/T)
20893	CakSNP20893	<i>Kabuli</i>	Ca_Kabuli_denovo	14104688	(T/A)
20894	CakSNP20894	<i>Kabuli</i>	Ca_Kabuli_denovo	14109844	(G/A)
20895	CakSNP20895	<i>Kabuli</i>	Ca_Kabuli_denovo	14109866	(A/C)
20896	CakSNP20896	<i>Kabuli</i>	Ca_Kabuli_denovo	14109868	(A/C)
20897	CakSNP20897	<i>Kabuli</i>	Ca_Kabuli_denovo	14112239	(C/T)
20898	CakSNP20898	<i>Kabuli</i>	Ca_Kabuli_denovo	14112675	(G/T)
20899	CakSNP20899	<i>Kabuli</i>	Ca_Kabuli_denovo	14112693	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20900	CakSNP20900	<i>Kabuli</i>	Ca_Kabuli_denovo	14115751	(C/T)
20901	CakSNP20901	<i>Kabuli</i>	Ca_Kabuli_denovo	14121780	(G/T)
20902	CakSNP20902	<i>Kabuli</i>	Ca_Kabuli_denovo	14121828	(C/T)
20903	CakSNP20903	<i>Kabuli</i>	Ca_Kabuli_denovo	14123266	(C/T)
20904	CakSNP20904	<i>Kabuli</i>	Ca_Kabuli_denovo	14132147	(C/G)
20905	CakSNP20905	<i>Kabuli</i>	Ca_Kabuli_denovo	14134459	(C/T)
20906	CakSNP20906	<i>Kabuli</i>	Ca_Kabuli_denovo	14136009	(A/G)
20907	CakSNP20907	<i>Kabuli</i>	Ca_Kabuli_denovo	14136078	(A/G)
20908	CakSNP20908	<i>Kabuli</i>	Ca_Kabuli_denovo	14141764	(T/C)
20909	CakSNP20909	<i>Kabuli</i>	Ca_Kabuli_denovo	14146205	(T/C)
20910	CakSNP20910	<i>Kabuli</i>	Ca_Kabuli_denovo	14146512	(A/T)
20911	CakSNP20911	<i>Kabuli</i>	Ca_Kabuli_denovo	14146533	(C/T)
20912	CakSNP20912	<i>Kabuli</i>	Ca_Kabuli_denovo	14151634	(A/G)
20913	CakSNP20913	<i>Kabuli</i>	Ca_Kabuli_denovo	14162150	(G/C)
20914	CakSNP20914	<i>Kabuli</i>	Ca_Kabuli_denovo	14162186	(G/A)
20915	CakSNP20915	<i>Kabuli</i>	Ca_Kabuli_denovo	14162459	(C/T)
20916	CakSNP20916	<i>Kabuli</i>	Ca_Kabuli_denovo	14165612	(A/G)
20917	CakSNP20917	<i>Kabuli</i>	Ca_Kabuli_denovo	14170796	(C/T)
20918	CakSNP20918	<i>Kabuli</i>	Ca_Kabuli_denovo	14170853	(G/A)
20919	CakSNP20919	<i>Kabuli</i>	Ca_Kabuli_denovo	14173237	(C/T)
20920	CakSNP20920	<i>Kabuli</i>	Ca_Kabuli_denovo	14175735	(C/G)
20921	CakSNP20921	<i>Kabuli</i>	Ca_Kabuli_denovo	14178519	(A/C)
20922	CakSNP20922	<i>Kabuli</i>	Ca_Kabuli_denovo	14178529	(C/T)
20923	CakSNP20923	<i>Kabuli</i>	Ca_Kabuli_denovo	14180447	(A/G)
20924	CakSNP20924	<i>Kabuli</i>	Ca_Kabuli_denovo	14186276	(T/C)
20925	CakSNP20925	<i>Kabuli</i>	Ca_Kabuli_denovo	14188666	(T/C)
20926	CakSNP20926	<i>Kabuli</i>	Ca_Kabuli_denovo	14204954	(T/C)
20927	CakSNP20927	<i>Kabuli</i>	Ca_Kabuli_denovo	14204970	(A/G)
20928	CakSNP20928	<i>Kabuli</i>	Ca_Kabuli_denovo	14210876	(A/G)
20929	CakSNP20929	<i>Kabuli</i>	Ca_Kabuli_denovo	14210938	(C/T)
20930	CakSNP20930	<i>Kabuli</i>	Ca_Kabuli_denovo	14219449	(A/G)
20931	CakSNP20931	<i>Kabuli</i>	Ca_Kabuli_denovo	14219489	(G/A)
20932	CakSNP20932	<i>Kabuli</i>	Ca_Kabuli_denovo	14219623	(T/C)
20933	CakSNP20933	<i>Kabuli</i>	Ca_Kabuli_denovo	14221319	(G/A)
20934	CakSNP20934	<i>Kabuli</i>	Ca_Kabuli_denovo	14221501	(T/C)
20935	CakSNP20935	<i>Kabuli</i>	Ca_Kabuli_denovo	14229007	(C/A)
20936	CakSNP20936	<i>Kabuli</i>	Ca_Kabuli_denovo	14231935	(T/C)
20937	CakSNP20937	<i>Kabuli</i>	Ca_Kabuli_denovo	14231950	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20938	CakSNP20938	<i>Kabuli</i>	Ca_Kabuli_denovo	14235265	(T/G)
20939	CakSNP20939	<i>Kabuli</i>	Ca_Kabuli_denovo	14237166	(G/A)
20940	CakSNP20940	<i>Kabuli</i>	Ca_Kabuli_denovo	14237557	(A/C)
20941	CakSNP20941	<i>Kabuli</i>	Ca_Kabuli_denovo	14241384	(A/G)
20942	CakSNP20942	<i>Kabuli</i>	Ca_Kabuli_denovo	14244846	(A/G)
20943	CakSNP20943	<i>Kabuli</i>	Ca_Kabuli_denovo	14246524	(T/G)
20944	CakSNP20944	<i>Kabuli</i>	Ca_Kabuli_denovo	14251791	(G/C)
20945	CakSNP20945	<i>Kabuli</i>	Ca_Kabuli_denovo	14251806	(A/G)
20946	CakSNP20946	<i>Kabuli</i>	Ca_Kabuli_denovo	14255378	(G/A)
20947	CakSNP20947	<i>Kabuli</i>	Ca_Kabuli_denovo	14257965	(C/A)
20948	CakSNP20948	<i>Kabuli</i>	Ca_Kabuli_denovo	14264833	(G/C)
20949	CakSNP20949	<i>Kabuli</i>	Ca_Kabuli_denovo	14264890	(T/C)
20950	CakSNP20950	<i>Kabuli</i>	Ca_Kabuli_denovo	14265359	(A/G)
20951	CakSNP20951	<i>Kabuli</i>	Ca_Kabuli_denovo	14275421	(G/T)
20952	CakSNP20952	<i>Kabuli</i>	Ca_Kabuli_denovo	14276179	(C/T)
20953	CakSNP20953	<i>Kabuli</i>	Ca_Kabuli_denovo	14276201	(G/A)
20954	CakSNP20954	<i>Kabuli</i>	Ca_Kabuli_denovo	14282422	(T/G)
20955	CakSNP20955	<i>Kabuli</i>	Ca_Kabuli_denovo	14282784	(G/A)
20956	CakSNP20956	<i>Kabuli</i>	Ca_Kabuli_denovo	14282796	(G/A)
20957	CakSNP20957	<i>Kabuli</i>	Ca_Kabuli_denovo	14286253	(T/C)
20958	CakSNP20958	<i>Kabuli</i>	Ca_Kabuli_denovo	14286269	(T/C)
20959	CakSNP20959	<i>Kabuli</i>	Ca_Kabuli_denovo	14289279	(C/G)
20960	CakSNP20960	<i>Kabuli</i>	Ca_Kabuli_denovo	14289309	(A/G)
20961	CakSNP20961	<i>Kabuli</i>	Ca_Kabuli_denovo	14292246	(C/G)
20962	CakSNP20962	<i>Kabuli</i>	Ca_Kabuli_denovo	14296223	(C/T)
20963	CakSNP20963	<i>Kabuli</i>	Ca_Kabuli_denovo	14297461	(G/C)
20964	CakSNP20964	<i>Kabuli</i>	Ca_Kabuli_denovo	14297530	(G/C)
20965	CakSNP20965	<i>Kabuli</i>	Ca_Kabuli_denovo	14303045	(C/T)
20966	CakSNP20966	<i>Kabuli</i>	Ca_Kabuli_denovo	14307152	(A/G)
20967	CakSNP20967	<i>Kabuli</i>	Ca_Kabuli_denovo	14308158	(C/G)
20968	CakSNP20968	<i>Kabuli</i>	Ca_Kabuli_denovo	14308820	(C/T)
20969	CakSNP20969	<i>Kabuli</i>	Ca_Kabuli_denovo	14310581	(A/C)
20970	CakSNP20970	<i>Kabuli</i>	Ca_Kabuli_denovo	14310632	(T/C)
20971	CakSNP20971	<i>Kabuli</i>	Ca_Kabuli_denovo	14311760	(A/G)
20972	CakSNP20972	<i>Kabuli</i>	Ca_Kabuli_denovo	14313417	(C/G)
20973	CakSNP20973	<i>Kabuli</i>	Ca_Kabuli_denovo	14320707	(G/A)
20974	CakSNP20974	<i>Kabuli</i>	Ca_Kabuli_denovo	14320709	(T/A)
20975	CakSNP20975	<i>Kabuli</i>	Ca_Kabuli_denovo	14328623	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20976	CakSNP20976	<i>Kabuli</i>	Ca_Kabuli_denovo	14328917	(G/T)
20977	CakSNP20977	<i>Kabuli</i>	Ca_Kabuli_denovo	14333931	(A/G)
20978	CakSNP20978	<i>Kabuli</i>	Ca_Kabuli_denovo	14337745	(A/G)
20979	CakSNP20979	<i>Kabuli</i>	Ca_Kabuli_denovo	14337746	(T/C)
20980	CakSNP20980	<i>Kabuli</i>	Ca_Kabuli_denovo	14341574	(A/G)
20981	CakSNP20981	<i>Kabuli</i>	Ca_Kabuli_denovo	14341617	(A/C)
20982	CakSNP20982	<i>Kabuli</i>	Ca_Kabuli_denovo	14346701	(A/G)
20983	CakSNP20983	<i>Kabuli</i>	Ca_Kabuli_denovo	14346747	(G/T)
20984	CakSNP20984	<i>Kabuli</i>	Ca_Kabuli_denovo	14347271	(T/C)
20985	CakSNP20985	<i>Kabuli</i>	Ca_Kabuli_denovo	14348435	(A/T)
20986	CakSNP20986	<i>Kabuli</i>	Ca_Kabuli_denovo	14352328	(T/C)
20987	CakSNP20987	<i>Kabuli</i>	Ca_Kabuli_denovo	14352669	(A/G)
20988	CakSNP20988	<i>Kabuli</i>	Ca_Kabuli_denovo	14353348	(G/T)
20989	CakSNP20989	<i>Kabuli</i>	Ca_Kabuli_denovo	14353366	(G/A)
20990	CakSNP20990	<i>Kabuli</i>	Ca_Kabuli_denovo	14364703	(C/G)
20991	CakSNP20991	<i>Kabuli</i>	Ca_Kabuli_denovo	14369102	(C/G)
20992	CakSNP20992	<i>Kabuli</i>	Ca_Kabuli_denovo	14369921	(T/C)
20993	CakSNP20993	<i>Kabuli</i>	Ca_Kabuli_denovo	14380810	(C/G)
20994	CakSNP20994	<i>Kabuli</i>	Ca_Kabuli_denovo	14380823	(T/C)
20995	CakSNP20995	<i>Kabuli</i>	Ca_Kabuli_denovo	14383046	(C/T)
20996	CakSNP20996	<i>Kabuli</i>	Ca_Kabuli_denovo	14388649	(G/A)
20997	CakSNP20997	<i>Kabuli</i>	Ca_Kabuli_denovo	14388663	(T/A)
20998	CakSNP20998	<i>Kabuli</i>	Ca_Kabuli_denovo	14394158	(C/T)
20999	CakSNP20999	<i>Kabuli</i>	Ca_Kabuli_denovo	14397942	(G/A)
21000	CakSNP21000	<i>Kabuli</i>	Ca_Kabuli_denovo	14401170	(T/C)
21001	CakSNP21001	<i>Kabuli</i>	Ca_Kabuli_denovo	14402239	(T/G)
21002	CakSNP21002	<i>Kabuli</i>	Ca_Kabuli_denovo	14403229	(T/G)
21003	CakSNP21003	<i>Kabuli</i>	Ca_Kabuli_denovo	14405364	(C/T)
21004	CakSNP21004	<i>Kabuli</i>	Ca_Kabuli_denovo	14405406	(T/C)
21005	CakSNP21005	<i>Kabuli</i>	Ca_Kabuli_denovo	14406925	(C/G)
21006	CakSNP21006	<i>Kabuli</i>	Ca_Kabuli_denovo	14406958	(A/G)
21007	CakSNP21007	<i>Kabuli</i>	Ca_Kabuli_denovo	14406974	(G/C)
21008	CakSNP21008	<i>Kabuli</i>	Ca_Kabuli_denovo	14407215	(C/A)
21009	CakSNP21009	<i>Kabuli</i>	Ca_Kabuli_denovo	14407218	(T/C)
21010	CakSNP21010	<i>Kabuli</i>	Ca_Kabuli_denovo	14414831	(A/C)
21011	CakSNP21011	<i>Kabuli</i>	Ca_Kabuli_denovo	14416795	(G/A)
21012	CakSNP21012	<i>Kabuli</i>	Ca_Kabuli_denovo	14429719	(T/C)
21013	CakSNP21013	<i>Kabuli</i>	Ca_Kabuli_denovo	14433591	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21014	CakSNP21014	<i>Kabuli</i>	Ca_Kabuli_denovo	14437122	(T/G)
21015	CakSNP21015	<i>Kabuli</i>	Ca_Kabuli_denovo	14437433	(T/C)
21016	CakSNP21016	<i>Kabuli</i>	Ca_Kabuli_denovo	14442419	(T/C)
21017	CakSNP21017	<i>Kabuli</i>	Ca_Kabuli_denovo	14442430	(C/T)
21018	CakSNP21018	<i>Kabuli</i>	Ca_Kabuli_denovo	14443760	(T/G)
21019	CakSNP21019	<i>Kabuli</i>	Ca_Kabuli_denovo	14443778	(A/G)
21020	CakSNP21020	<i>Kabuli</i>	Ca_Kabuli_denovo	14444490	(T/C)
21021	CakSNP21021	<i>Kabuli</i>	Ca_Kabuli_denovo	14444536	(C/G)
21022	CakSNP21022	<i>Kabuli</i>	Ca_Kabuli_denovo	14445505	(A/C)
21023	CakSNP21023	<i>Kabuli</i>	Ca_Kabuli_denovo	14448509	(T/G)
21024	CakSNP21024	<i>Kabuli</i>	Ca_Kabuli_denovo	14449521	(A/T)
21025	CakSNP21025	<i>Kabuli</i>	Ca_Kabuli_denovo	14449530	(G/A)
21026	CakSNP21026	<i>Kabuli</i>	Ca_Kabuli_denovo	14452270	(T/C)
21027	CakSNP21027	<i>Kabuli</i>	Ca_Kabuli_denovo	14457529	(C/T)
21028	CakSNP21028	<i>Kabuli</i>	Ca_Kabuli_denovo	14467081	(T/G)
21029	CakSNP21029	<i>Kabuli</i>	Ca_Kabuli_denovo	14469056	(T/C)
21030	CakSNP21030	<i>Kabuli</i>	Ca_Kabuli_denovo	14469127	(C/G)
21031	CakSNP21031	<i>Kabuli</i>	Ca_Kabuli_denovo	14469420	(A/G)
21032	CakSNP21032	<i>Kabuli</i>	Ca_Kabuli_denovo	14483569	(C/T)
21033	CakSNP21033	<i>Kabuli</i>	Ca_Kabuli_denovo	14495553	(A/G)
21034	CakSNP21034	<i>Kabuli</i>	Ca_Kabuli_denovo	14495559	(T/G)
21035	CakSNP21035	<i>Kabuli</i>	Ca_Kabuli_denovo	14513052	(T/C)
21036	CakSNP21036	<i>Kabuli</i>	Ca_Kabuli_denovo	14513906	(G/T)
21037	CakSNP21037	<i>Kabuli</i>	Ca_Kabuli_denovo	14514776	(T/A)
21038	CakSNP21038	<i>Kabuli</i>	Ca_Kabuli_denovo	14514787	(T/C)
21039	CakSNP21039	<i>Kabuli</i>	Ca_Kabuli_denovo	14515738	(G/C)
21040	CakSNP21040	<i>Kabuli</i>	Ca_Kabuli_denovo	14530041	(A/C)
21041	CakSNP21041	<i>Kabuli</i>	Ca_Kabuli_denovo	14537319	(T/C)
21042	CakSNP21042	<i>Kabuli</i>	Ca_Kabuli_denovo	14543760	(C/T)
21043	CakSNP21043	<i>Kabuli</i>	Ca_Kabuli_denovo	14546700	(A/G)
21044	CakSNP21044	<i>Kabuli</i>	Ca_Kabuli_denovo	14547594	(C/T)
21045	CakSNP21045	<i>Kabuli</i>	Ca_Kabuli_denovo	14550152	(G/A)
21046	CakSNP21046	<i>Kabuli</i>	Ca_Kabuli_denovo	14551303	(G/T)
21047	CakSNP21047	<i>Kabuli</i>	Ca_Kabuli_denovo	14561183	(A/G)
21048	CakSNP21048	<i>Kabuli</i>	Ca_Kabuli_denovo	14562250	(C/T)
21049	CakSNP21049	<i>Kabuli</i>	Ca_Kabuli_denovo	14566607	(A/G)
21050	CakSNP21050	<i>Kabuli</i>	Ca_Kabuli_denovo	14570440	(C/G)
21051	CakSNP21051	<i>Kabuli</i>	Ca_Kabuli_denovo	14570663	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21052	CakSNP21052	<i>Kabuli</i>	Ca_Kabuli_denovo	14571952	(T/A)
21053	CakSNP21053	<i>Kabuli</i>	Ca_Kabuli_denovo	14572744	(T/C)
21054	CakSNP21054	<i>Kabuli</i>	Ca_Kabuli_denovo	14573976	(C/T)
21055	CakSNP21055	<i>Kabuli</i>	Ca_Kabuli_denovo	14578027	(A/C)
21056	CakSNP21056	<i>Kabuli</i>	Ca_Kabuli_denovo	14578231	(A/G)
21057	CakSNP21057	<i>Kabuli</i>	Ca_Kabuli_denovo	14578249	(C/T)
21058	CakSNP21058	<i>Kabuli</i>	Ca_Kabuli_denovo	14578273	(G/A)
21059	CakSNP21059	<i>Kabuli</i>	Ca_Kabuli_denovo	14582337	(C/T)
21060	CakSNP21060	<i>Kabuli</i>	Ca_Kabuli_denovo	14587510	(T/C)
21061	CakSNP21061	<i>Kabuli</i>	Ca_Kabuli_denovo	14589670	(G/A)
21062	CakSNP21062	<i>Kabuli</i>	Ca_Kabuli_denovo	14589693	(G/C)
21063	CakSNP21063	<i>Kabuli</i>	Ca_Kabuli_denovo	14590243	(A/C)
21064	CakSNP21064	<i>Kabuli</i>	Ca_Kabuli_denovo	14596822	(T/G)
21065	CakSNP21065	<i>Kabuli</i>	Ca_Kabuli_denovo	14596886	(T/C)
21066	CakSNP21066	<i>Kabuli</i>	Ca_Kabuli_denovo	14597698	(T/C)
21067	CakSNP21067	<i>Kabuli</i>	Ca_Kabuli_denovo	14599704	(A/G)
21068	CakSNP21068	<i>Kabuli</i>	Ca_Kabuli_denovo	14609759	(C/G)
21069	CakSNP21069	<i>Kabuli</i>	Ca_Kabuli_denovo	14609792	(T/C)
21070	CakSNP21070	<i>Kabuli</i>	Ca_Kabuli_denovo	14614842	(G/T)
21071	CakSNP21071	<i>Kabuli</i>	Ca_Kabuli_denovo	14615031	(T/G)
21072	CakSNP21072	<i>Kabuli</i>	Ca_Kabuli_denovo	14617523	(T/C)
21073	CakSNP21073	<i>Kabuli</i>	Ca_Kabuli_denovo	14619462	(T/G)
21074	CakSNP21074	<i>Kabuli</i>	Ca_Kabuli_denovo	14619490	(T/C)
21075	CakSNP21075	<i>Kabuli</i>	Ca_Kabuli_denovo	14620013	(C/T)
21076	CakSNP21076	<i>Kabuli</i>	Ca_Kabuli_denovo	14631563	(T/G)
21077	CakSNP21077	<i>Kabuli</i>	Ca_Kabuli_denovo	14636201	(G/A)
21078	CakSNP21078	<i>Kabuli</i>	Ca_Kabuli_denovo	14636204	(A/G)
21079	CakSNP21079	<i>Kabuli</i>	Ca_Kabuli_denovo	14636266	(G/A)
21080	CakSNP21080	<i>Kabuli</i>	Ca_Kabuli_denovo	14636270	(A/C)
21081	CakSNP21081	<i>Kabuli</i>	Ca_Kabuli_denovo	14641177	(A/C)
21082	CakSNP21082	<i>Kabuli</i>	Ca_Kabuli_denovo	14648080	(C/G)
21083	CakSNP21083	<i>Kabuli</i>	Ca_Kabuli_denovo	14648723	(T/C)
21084	CakSNP21084	<i>Kabuli</i>	Ca_Kabuli_denovo	14648727	(C/T)
21085	CakSNP21085	<i>Kabuli</i>	Ca_Kabuli_denovo	14652198	(G/T)
21086	CakSNP21086	<i>Kabuli</i>	Ca_Kabuli_denovo	14660915	(A/G)
21087	CakSNP21087	<i>Kabuli</i>	Ca_Kabuli_denovo	14668713	(A/C)
21088	CakSNP21088	<i>Kabuli</i>	Ca_Kabuli_denovo	14670691	(C/T)
21089	CakSNP21089	<i>Kabuli</i>	Ca_Kabuli_denovo	14670709	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21090	CakSNP21090	<i>Kabuli</i>	Ca_Kabuli_denovo	14673778	(T/C)
21091	CakSNP21091	<i>Kabuli</i>	Ca_Kabuli_denovo	14682478	(C/G)
21092	CakSNP21092	<i>Kabuli</i>	Ca_Kabuli_denovo	14682505	(T/C)
21093	CakSNP21093	<i>Kabuli</i>	Ca_Kabuli_denovo	14685915	(G/A)
21094	CakSNP21094	<i>Kabuli</i>	Ca_Kabuli_denovo	14689649	(G/C)
21095	CakSNP21095	<i>Kabuli</i>	Ca_Kabuli_denovo	14696938	(A/G)
21096	CakSNP21096	<i>Kabuli</i>	Ca_Kabuli_denovo	14698942	(T/C)
21097	CakSNP21097	<i>Kabuli</i>	Ca_Kabuli_denovo	14703530	(C/G)
21098	CakSNP21098	<i>Kabuli</i>	Ca_Kabuli_denovo	14703575	(A/G)
21099	CakSNP21099	<i>Kabuli</i>	Ca_Kabuli_denovo	14704072	(T/C)
21100	CakSNP21100	<i>Kabuli</i>	Ca_Kabuli_denovo	14704120	(T/C)
21101	CakSNP21101	<i>Kabuli</i>	Ca_Kabuli_denovo	14704731	(C/T)
21102	CakSNP21102	<i>Kabuli</i>	Ca_Kabuli_denovo	14704732	(T/C)
21103	CakSNP21103	<i>Kabuli</i>	Ca_Kabuli_denovo	14715112	(A/G)
21104	CakSNP21104	<i>Kabuli</i>	Ca_Kabuli_denovo	14715215	(G/A)
21105	CakSNP21105	<i>Kabuli</i>	Ca_Kabuli_denovo	14715220	(C/G)
21106	CakSNP21106	<i>Kabuli</i>	Ca_Kabuli_denovo	14726401	(A/G)
21107	CakSNP21107	<i>Kabuli</i>	Ca_Kabuli_denovo	14728979	(G/T)
21108	CakSNP21108	<i>Kabuli</i>	Ca_Kabuli_denovo	14729758	(C/G)
21109	CakSNP21109	<i>Kabuli</i>	Ca_Kabuli_denovo	14729891	(A/T)
21110	CakSNP21110	<i>Kabuli</i>	Ca_Kabuli_denovo	14735636	(T/G)
21111	CakSNP21111	<i>Kabuli</i>	Ca_Kabuli_denovo	14736247	(A/G)
21112	CakSNP21112	<i>Kabuli</i>	Ca_Kabuli_denovo	14736289	(C/T)
21113	CakSNP21113	<i>Kabuli</i>	Ca_Kabuli_denovo	14741708	(A/C)
21114	CakSNP21114	<i>Kabuli</i>	Ca_Kabuli_denovo	14743692	(C/G)
21115	CakSNP21115	<i>Kabuli</i>	Ca_Kabuli_denovo	14743756	(T/A)
21116	CakSNP21116	<i>Kabuli</i>	Ca_Kabuli_denovo	14745532	(A/C)
21117	CakSNP21117	<i>Kabuli</i>	Ca_Kabuli_denovo	14746118	(A/G)
21118	CakSNP21118	<i>Kabuli</i>	Ca_Kabuli_denovo	14746154	(A/G)
21119	CakSNP21119	<i>Kabuli</i>	Ca_Kabuli_denovo	14748412	(G/A)
21120	CakSNP21120	<i>Kabuli</i>	Ca_Kabuli_denovo	14748417	(G/C)
21121	CakSNP21121	<i>Kabuli</i>	Ca_Kabuli_denovo	14749636	(G/A)
21122	CakSNP21122	<i>Kabuli</i>	Ca_Kabuli_denovo	14749704	(T/G)
21123	CakSNP21123	<i>Kabuli</i>	Ca_Kabuli_denovo	14749705	(G/T)
21124	CakSNP21124	<i>Kabuli</i>	Ca_Kabuli_denovo	14752787	(T/C)
21125	CakSNP21125	<i>Kabuli</i>	Ca_Kabuli_denovo	14755314	(C/T)
21126	CakSNP21126	<i>Kabuli</i>	Ca_Kabuli_denovo	14757725	(C/G)
21127	CakSNP21127	<i>Kabuli</i>	Ca_Kabuli_denovo	14759576	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21128	CakSNP21128	<i>Kabuli</i>	Ca_Kabuli_denovo	14782372	(C/T)
21129	CakSNP21129	<i>Kabuli</i>	Ca_Kabuli_denovo	14782399	(C/T)
21130	CakSNP21130	<i>Kabuli</i>	Ca_Kabuli_denovo	14787071	(G/T)
21131	CakSNP21131	<i>Kabuli</i>	Ca_Kabuli_denovo	14788336	(T/C)
21132	CakSNP21132	<i>Kabuli</i>	Ca_Kabuli_denovo	14792248	(G/C)
21133	CakSNP21133	<i>Kabuli</i>	Ca_Kabuli_denovo	14792775	(G/A)
21134	CakSNP21134	<i>Kabuli</i>	Ca_Kabuli_denovo	14801212	(C/G)
21135	CakSNP21135	<i>Kabuli</i>	Ca_Kabuli_denovo	14801218	(C/T)
21136	CakSNP21136	<i>Kabuli</i>	Ca_Kabuli_denovo	14805457	(T/C)
21137	CakSNP21137	<i>Kabuli</i>	Ca_Kabuli_denovo	14805477	(G/C)
21138	CakSNP21138	<i>Kabuli</i>	Ca_Kabuli_denovo	14805855	(T/C)
21139	CakSNP21139	<i>Kabuli</i>	Ca_Kabuli_denovo	14805865	(A/G)
21140	CakSNP21140	<i>Kabuli</i>	Ca_Kabuli_denovo	14811884	(G/C)
21141	CakSNP21141	<i>Kabuli</i>	Ca_Kabuli_denovo	14825428	(C/G)
21142	CakSNP21142	<i>Kabuli</i>	Ca_Kabuli_denovo	14825440	(G/C)
21143	CakSNP21143	<i>Kabuli</i>	Ca_Kabuli_denovo	14833055	(C/A)
21144	CakSNP21144	<i>Kabuli</i>	Ca_Kabuli_denovo	14833103	(A/G)
21145	CakSNP21145	<i>Kabuli</i>	Ca_Kabuli_denovo	14834045	(G/C)
21146	CakSNP21146	<i>Kabuli</i>	Ca_Kabuli_denovo	14838314	(G/C)
21147	CakSNP21147	<i>Kabuli</i>	Ca_Kabuli_denovo	14841355	(G/A)
21148	CakSNP21148	<i>Kabuli</i>	Ca_Kabuli_denovo	14841976	(C/T)
21149	CakSNP21149	<i>Kabuli</i>	Ca_Kabuli_denovo	14845633	(A/C)
21150	CakSNP21150	<i>Kabuli</i>	Ca_Kabuli_denovo	14861241	(T/C)
21151	CakSNP21151	<i>Kabuli</i>	Ca_Kabuli_denovo	14861255	(T/C)
21152	CakSNP21152	<i>Kabuli</i>	Ca_Kabuli_denovo	14864054	(G/T)
21153	CakSNP21153	<i>Kabuli</i>	Ca_Kabuli_denovo	14864425	(C/T)
21154	CakSNP21154	<i>Kabuli</i>	Ca_Kabuli_denovo	14872625	(C/T)
21155	CakSNP21155	<i>Kabuli</i>	Ca_Kabuli_denovo	14872631	(C/T)
21156	CakSNP21156	<i>Kabuli</i>	Ca_Kabuli_denovo	14877101	(G/A)
21157	CakSNP21157	<i>Kabuli</i>	Ca_Kabuli_denovo	14877962	(G/A)
21158	CakSNP21158	<i>Kabuli</i>	Ca_Kabuli_denovo	14878041	(C/G)
21159	CakSNP21159	<i>Kabuli</i>	Ca_Kabuli_denovo	14881946	(C/T)
21160	CakSNP21160	<i>Kabuli</i>	Ca_Kabuli_denovo	14883255	(A/C)
21161	CakSNP21161	<i>Kabuli</i>	Ca_Kabuli_denovo	14883746	(C/T)
21162	CakSNP21162	<i>Kabuli</i>	Ca_Kabuli_denovo	14883748	(G/A)
21163	CakSNP21163	<i>Kabuli</i>	Ca_Kabuli_denovo	14886823	(T/C)
21164	CakSNP21164	<i>Kabuli</i>	Ca_Kabuli_denovo	14888070	(A/G)
21165	CakSNP21165	<i>Kabuli</i>	Ca_Kabuli_denovo	14891224	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21166	CakSNP21166	<i>Kabuli</i>	Ca_Kabuli_denovo	14893670	(A/C)
21167	CakSNP21167	<i>Kabuli</i>	Ca_Kabuli_denovo	14893855	(T/G)
21168	CakSNP21168	<i>Kabuli</i>	Ca_Kabuli_denovo	14895580	(A/C)
21169	CakSNP21169	<i>Kabuli</i>	Ca_Kabuli_denovo	14898622	(C/T)
21170	CakSNP21170	<i>Kabuli</i>	Ca_Kabuli_denovo	14898764	(C/A)
21171	CakSNP21171	<i>Kabuli</i>	Ca_Kabuli_denovo	14899131	(T/G)
21172	CakSNP21172	<i>Kabuli</i>	Ca_Kabuli_denovo	14899150	(T/C)
21173	CakSNP21173	<i>Kabuli</i>	Ca_Kabuli_denovo	14899484	(T/C)
21174	CakSNP21174	<i>Kabuli</i>	Ca_Kabuli_denovo	14905145	(C/G)
21175	CakSNP21175	<i>Kabuli</i>	Ca_Kabuli_denovo	14906147	(C/G)
21176	CakSNP21176	<i>Kabuli</i>	Ca_Kabuli_denovo	14907584	(C/T)
21177	CakSNP21177	<i>Kabuli</i>	Ca_Kabuli_denovo	14909654	(T/G)
21178	CakSNP21178	<i>Kabuli</i>	Ca_Kabuli_denovo	14909803	(T/G)
21179	CakSNP21179	<i>Kabuli</i>	Ca_Kabuli_denovo	14912143	(A/G)
21180	CakSNP21180	<i>Kabuli</i>	Ca_Kabuli_denovo	14912144	(A/G)
21181	CakSNP21181	<i>Kabuli</i>	Ca_Kabuli_denovo	14913605	(C/T)
21182	CakSNP21182	<i>Kabuli</i>	Ca_Kabuli_denovo	14914323	(G/A)
21183	CakSNP21183	<i>Kabuli</i>	Ca_Kabuli_denovo	14916673	(T/C)
21184	CakSNP21184	<i>Kabuli</i>	Ca_Kabuli_denovo	14916715	(A/G)
21185	CakSNP21185	<i>Kabuli</i>	Ca_Kabuli_denovo	14918881	(G/C)
21186	CakSNP21186	<i>Kabuli</i>	Ca_Kabuli_denovo	14926796	(A/G)
21187	CakSNP21187	<i>Kabuli</i>	Ca_Kabuli_denovo	14927585	(T/C)
21188	CakSNP21188	<i>Kabuli</i>	Ca_Kabuli_denovo	14929577	(A/C)
21189	CakSNP21189	<i>Kabuli</i>	Ca_Kabuli_denovo	14935159	(C/A)
21190	CakSNP21190	<i>Kabuli</i>	Ca_Kabuli_denovo	14942882	(A/G)
21191	CakSNP21191	<i>Kabuli</i>	Ca_Kabuli_denovo	14942888	(A/C)
21192	CakSNP21192	<i>Kabuli</i>	Ca_Kabuli_denovo	14943646	(G/A)
21193	CakSNP21193	<i>Kabuli</i>	Ca_Kabuli_denovo	14950163	(T/G)
21194	CakSNP21194	<i>Kabuli</i>	Ca_Kabuli_denovo	14962978	(T/C)
21195	CakSNP21195	<i>Kabuli</i>	Ca_Kabuli_denovo	14968986	(C/A)
21196	CakSNP21196	<i>Kabuli</i>	Ca_Kabuli_denovo	14971785	(C/T)
21197	CakSNP21197	<i>Kabuli</i>	Ca_Kabuli_denovo	14974801	(G/A)
21198	CakSNP21198	<i>Kabuli</i>	Ca_Kabuli_denovo	14974806	(G/A)
21199	CakSNP21199	<i>Kabuli</i>	Ca_Kabuli_denovo	14977193	(T/C)
21200	CakSNP21200	<i>Kabuli</i>	Ca_Kabuli_denovo	14978299	(A/C)
21201	CakSNP21201	<i>Kabuli</i>	Ca_Kabuli_denovo	14981709	(C/T)
21202	CakSNP21202	<i>Kabuli</i>	Ca_Kabuli_denovo	14981741	(A/G)
21203	CakSNP21203	<i>Kabuli</i>	Ca_Kabuli_denovo	14982459	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21204	CakSNP21204	<i>Kabuli</i>	Ca_Kabuli_denovo	14982465	(A/C)
21205	CakSNP21205	<i>Kabuli</i>	Ca_Kabuli_denovo	14985193	(G/A)
21206	CakSNP21206	<i>Kabuli</i>	Ca_Kabuli_denovo	14985249	(G/A)
21207	CakSNP21207	<i>Kabuli</i>	Ca_Kabuli_denovo	14991461	(T/C)
21208	CakSNP21208	<i>Kabuli</i>	Ca_Kabuli_denovo	14993274	(T/G)
21209	CakSNP21209	<i>Kabuli</i>	Ca_Kabuli_denovo	14998061	(T/C)
21210	CakSNP21210	<i>Kabuli</i>	Ca_Kabuli_denovo	15002955	(T/C)
21211	CakSNP21211	<i>Kabuli</i>	Ca_Kabuli_denovo	15006029	(T/A)
21212	CakSNP21212	<i>Kabuli</i>	Ca_Kabuli_denovo	15007070	(G/T)
21213	CakSNP21213	<i>Kabuli</i>	Ca_Kabuli_denovo	15011020	(G/A)
21214	CakSNP21214	<i>Kabuli</i>	Ca_Kabuli_denovo	15012544	(C/A)
21215	CakSNP21215	<i>Kabuli</i>	Ca_Kabuli_denovo	15012589	(C/T)
21216	CakSNP21216	<i>Kabuli</i>	Ca_Kabuli_denovo	15019523	(T/C)
21217	CakSNP21217	<i>Kabuli</i>	Ca_Kabuli_denovo	15019572	(G/T)
21218	CakSNP21218	<i>Kabuli</i>	Ca_Kabuli_denovo	15029564	(G/A)
21219	CakSNP21219	<i>Kabuli</i>	Ca_Kabuli_denovo	15029594	(G/A)
21220	CakSNP21220	<i>Kabuli</i>	Ca_Kabuli_denovo	15029893	(T/G)
21221	CakSNP21221	<i>Kabuli</i>	Ca_Kabuli_denovo	15029901	(T/C)
21222	CakSNP21222	<i>Kabuli</i>	Ca_Kabuli_denovo	15033418	(G/A)
21223	CakSNP21223	<i>Kabuli</i>	Ca_Kabuli_denovo	15048640	(G/C)
21224	CakSNP21224	<i>Kabuli</i>	Ca_Kabuli_denovo	15053938	(G/C)
21225	CakSNP21225	<i>Kabuli</i>	Ca_Kabuli_denovo	15053965	(T/C)
21226	CakSNP21226	<i>Kabuli</i>	Ca_Kabuli_denovo	15055093	(G/C)
21227	CakSNP21227	<i>Kabuli</i>	Ca_Kabuli_denovo	15055828	(C/A)
21228	CakSNP21228	<i>Kabuli</i>	Ca_Kabuli_denovo	15056085	(T/C)
21229	CakSNP21229	<i>Kabuli</i>	Ca_Kabuli_denovo	15056124	(C/T)
21230	CakSNP21230	<i>Kabuli</i>	Ca_Kabuli_denovo	15057672	(A/G)
21231	CakSNP21231	<i>Kabuli</i>	Ca_Kabuli_denovo	15058226	(C/A)
21232	CakSNP21232	<i>Kabuli</i>	Ca_Kabuli_denovo	15061165	(A/C)
21233	CakSNP21233	<i>Kabuli</i>	Ca_Kabuli_denovo	15063461	(C/T)
21234	CakSNP21234	<i>Kabuli</i>	Ca_Kabuli_denovo	15064384	(C/T)
21235	CakSNP21235	<i>Kabuli</i>	Ca_Kabuli_denovo	15068536	(G/C)
21236	CakSNP21236	<i>Kabuli</i>	Ca_Kabuli_denovo	15072879	(C/T)
21237	CakSNP21237	<i>Kabuli</i>	Ca_Kabuli_denovo	15072882	(A/C)
21238	CakSNP21238	<i>Kabuli</i>	Ca_Kabuli_denovo	15076991	(G/C)
21239	CakSNP21239	<i>Kabuli</i>	Ca_Kabuli_denovo	15077061	(T/C)
21240	CakSNP21240	<i>Kabuli</i>	Ca_Kabuli_denovo	15078562	(T/C)
21241	CakSNP21241	<i>Kabuli</i>	Ca_Kabuli_denovo	15078586	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21242	CakSNP21242	<i>Kabuli</i>	Ca_Kabuli_denovo	15078864	(A/G)
21243	CakSNP21243	<i>Kabuli</i>	Ca_Kabuli_denovo	15079985	(C/A)
21244	CakSNP21244	<i>Kabuli</i>	Ca_Kabuli_denovo	15079994	(A/G)
21245	CakSNP21245	<i>Kabuli</i>	Ca_Kabuli_denovo	15080664	(G/A)
21246	CakSNP21246	<i>Kabuli</i>	Ca_Kabuli_denovo	15081288	(C/T)
21247	CakSNP21247	<i>Kabuli</i>	Ca_Kabuli_denovo	15081298	(G/A)
21248	CakSNP21248	<i>Kabuli</i>	Ca_Kabuli_denovo	15084526	(C/T)
21249	CakSNP21249	<i>Kabuli</i>	Ca_Kabuli_denovo	15084576	(C/T)
21250	CakSNP21250	<i>Kabuli</i>	Ca_Kabuli_denovo	15097373	(A/C)
21251	CakSNP21251	<i>Kabuli</i>	Ca_Kabuli_denovo	15101968	(T/C)
21252	CakSNP21252	<i>Kabuli</i>	Ca_Kabuli_denovo	15109364	(G/A)
21253	CakSNP21253	<i>Kabuli</i>	Ca_Kabuli_denovo	15111061	(T/C)
21254	CakSNP21254	<i>Kabuli</i>	Ca_Kabuli_denovo	15121640	(T/C)
21255	CakSNP21255	<i>Kabuli</i>	Ca_Kabuli_denovo	15122674	(A/C)
21256	CakSNP21256	<i>Kabuli</i>	Ca_Kabuli_denovo	15125029	(A/C)
21257	CakSNP21257	<i>Kabuli</i>	Ca_Kabuli_denovo	15125256	(A/G)
21258	CakSNP21258	<i>Kabuli</i>	Ca_Kabuli_denovo	15128950	(C/G)
21259	CakSNP21259	<i>Kabuli</i>	Ca_Kabuli_denovo	15136143	(G/A)
21260	CakSNP21260	<i>Kabuli</i>	Ca_Kabuli_denovo	15146085	(T/C)
21261	CakSNP21261	<i>Kabuli</i>	Ca_Kabuli_denovo	15146116	(C/G)
21262	CakSNP21262	<i>Kabuli</i>	Ca_Kabuli_denovo	15147215	(G/C)
21263	CakSNP21263	<i>Kabuli</i>	Ca_Kabuli_denovo	15148861	(A/C)
21264	CakSNP21264	<i>Kabuli</i>	Ca_Kabuli_denovo	15148863	(A/C)
21265	CakSNP21265	<i>Kabuli</i>	Ca_Kabuli_denovo	15149093	(G/T)
21266	CakSNP21266	<i>Kabuli</i>	Ca_Kabuli_denovo	15149102	(C/T)
21267	CakSNP21267	<i>Kabuli</i>	Ca_Kabuli_denovo	15162466	(C/G)
21268	CakSNP21268	<i>Kabuli</i>	Ca_Kabuli_denovo	15162535	(C/G)
21269	CakSNP21269	<i>Kabuli</i>	Ca_Kabuli_denovo	15172412	(A/G)
21270	CakSNP21270	<i>Kabuli</i>	Ca_Kabuli_denovo	15173713	(G/T)
21271	CakSNP21271	<i>Kabuli</i>	Ca_Kabuli_denovo	15173771	(T/G)
21272	CakSNP21272	<i>Kabuli</i>	Ca_Kabuli_denovo	15175666	(T/C)
21273	CakSNP21273	<i>Kabuli</i>	Ca_Kabuli_denovo	15178364	(A/C)
21274	CakSNP21274	<i>Kabuli</i>	Ca_Kabuli_denovo	15178367	(C/T)
21275	CakSNP21275	<i>Kabuli</i>	Ca_Kabuli_denovo	15181189	(C/G)
21276	CakSNP21276	<i>Kabuli</i>	Ca_Kabuli_denovo	15193542	(A/G)
21277	CakSNP21277	<i>Kabuli</i>	Ca_Kabuli_denovo	15193595	(T/G)
21278	CakSNP21278	<i>Kabuli</i>	Ca_Kabuli_denovo	15194474	(A/C)
21279	CakSNP21279	<i>Kabuli</i>	Ca_Kabuli_denovo	15194482	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21280	CakSNP21280	<i>Kabuli</i>	Ca_Kabuli_denovo	15198160	(T/C)
21281	CakSNP21281	<i>Kabuli</i>	Ca_Kabuli_denovo	15198174	(G/A)
21282	CakSNP21282	<i>Kabuli</i>	Ca_Kabuli_denovo	15198245	(A/G)
21283	CakSNP21283	<i>Kabuli</i>	Ca_Kabuli_denovo	15199468	(T/C)
21284	CakSNP21284	<i>Kabuli</i>	Ca_Kabuli_denovo	15199489	(T/C)
21285	CakSNP21285	<i>Kabuli</i>	Ca_Kabuli_denovo	15199495	(G/A)
21286	CakSNP21286	<i>Kabuli</i>	Ca_Kabuli_denovo	15206923	(G/A)
21287	CakSNP21287	<i>Kabuli</i>	Ca_Kabuli_denovo	15206935	(A/G)
21288	CakSNP21288	<i>Kabuli</i>	Ca_Kabuli_denovo	15209330	(A/G)
21289	CakSNP21289	<i>Kabuli</i>	Ca_Kabuli_denovo	15210193	(G/A)
21290	CakSNP21290	<i>Kabuli</i>	Ca_Kabuli_denovo	15210344	(C/T)
21291	CakSNP21291	<i>Kabuli</i>	Ca_Kabuli_denovo	15211610	(A/G)
21292	CakSNP21292	<i>Kabuli</i>	Ca_Kabuli_denovo	15212128	(T/C)
21293	CakSNP21293	<i>Kabuli</i>	Ca_Kabuli_denovo	15212149	(T/C)
21294	CakSNP21294	<i>Kabuli</i>	Ca_Kabuli_denovo	15212161	(G/C)
21295	CakSNP21295	<i>Kabuli</i>	Ca_Kabuli_denovo	15213006	(A/T)
21296	CakSNP21296	<i>Kabuli</i>	Ca_Kabuli_denovo	15226225	(G/A)
21297	CakSNP21297	<i>Kabuli</i>	Ca_Kabuli_denovo	15228338	(A/C)
21298	CakSNP21298	<i>Kabuli</i>	Ca_Kabuli_denovo	15233099	(A/G)
21299	CakSNP21299	<i>Kabuli</i>	Ca_Kabuli_denovo	15237165	(T/C)
21300	CakSNP21300	<i>Kabuli</i>	Ca_Kabuli_denovo	15238403	(C/G)
21301	CakSNP21301	<i>Kabuli</i>	Ca_Kabuli_denovo	15244019	(C/T)
21302	CakSNP21302	<i>Kabuli</i>	Ca_Kabuli_denovo	15245249	(G/C)
21303	CakSNP21303	<i>Kabuli</i>	Ca_Kabuli_denovo	15250791	(A/C)
21304	CakSNP21304	<i>Kabuli</i>	Ca_Kabuli_denovo	15261871	(A/G)
21305	CakSNP21305	<i>Kabuli</i>	Ca_Kabuli_denovo	15262432	(T/C)
21306	CakSNP21306	<i>Kabuli</i>	Ca_Kabuli_denovo	15262463	(T/C)
21307	CakSNP21307	<i>Kabuli</i>	Ca_Kabuli_denovo	15267483	(C/T)
21308	CakSNP21308	<i>Kabuli</i>	Ca_Kabuli_denovo	15267510	(T/C)
21309	CakSNP21309	<i>Kabuli</i>	Ca_Kabuli_denovo	15270517	(A/G)
21310	CakSNP21310	<i>Kabuli</i>	Ca_Kabuli_denovo	15270541	(G/C)
21311	CakSNP21311	<i>Kabuli</i>	Ca_Kabuli_denovo	15271966	(G/T)
21312	CakSNP21312	<i>Kabuli</i>	Ca_Kabuli_denovo	15277962	(C/A)
21313	CakSNP21313	<i>Kabuli</i>	Ca_Kabuli_denovo	15278013	(A/C)
21314	CakSNP21314	<i>Kabuli</i>	Ca_Kabuli_denovo	15278377	(C/G)
21315	CakSNP21315	<i>Kabuli</i>	Ca_Kabuli_denovo	15278389	(T/C)
21316	CakSNP21316	<i>Kabuli</i>	Ca_Kabuli_denovo	15281124	(A/C)
21317	CakSNP21317	<i>Kabuli</i>	Ca_Kabuli_denovo	15281657	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21318	CakSNP21318	<i>Kabuli</i>	Ca_Kabuli_denovo	15281660	(C/G)
21319	CakSNP21319	<i>Kabuli</i>	Ca_Kabuli_denovo	15285712	(T/A)
21320	CakSNP21320	<i>Kabuli</i>	Ca_Kabuli_denovo	15286336	(C/T)
21321	CakSNP21321	<i>Kabuli</i>	Ca_Kabuli_denovo	15289465	(C/T)
21322	CakSNP21322	<i>Kabuli</i>	Ca_Kabuli_denovo	15289612	(A/G)
21323	CakSNP21323	<i>Kabuli</i>	Ca_Kabuli_denovo	15298450	(G/T)
21324	CakSNP21324	<i>Kabuli</i>	Ca_Kabuli_denovo	15298471	(T/A)
21325	CakSNP21325	<i>Kabuli</i>	Ca_Kabuli_denovo	15301323	(C/T)
21326	CakSNP21326	<i>Kabuli</i>	Ca_Kabuli_denovo	15301328	(C/T)
21327	CakSNP21327	<i>Kabuli</i>	Ca_Kabuli_denovo	15307943	(G/C)
21328	CakSNP21328	<i>Kabuli</i>	Ca_Kabuli_denovo	15308754	(C/G)
21329	CakSNP21329	<i>Kabuli</i>	Ca_Kabuli_denovo	15310682	(A/C)
21330	CakSNP21330	<i>Kabuli</i>	Ca_Kabuli_denovo	15310711	(T/C)
21331	CakSNP21331	<i>Kabuli</i>	Ca_Kabuli_denovo	15310717	(G/A)
21332	CakSNP21332	<i>Kabuli</i>	Ca_Kabuli_denovo	15311372	(A/T)
21333	CakSNP21333	<i>Kabuli</i>	Ca_Kabuli_denovo	15321205	(G/A)
21334	CakSNP21334	<i>Kabuli</i>	Ca_Kabuli_denovo	15325303	(C/G)
21335	CakSNP21335	<i>Kabuli</i>	Ca_Kabuli_denovo	15325309	(A/C)
21336	CakSNP21336	<i>Kabuli</i>	Ca_Kabuli_denovo	15328163	(G/C)
21337	CakSNP21337	<i>Kabuli</i>	Ca_Kabuli_denovo	15339934	(C/T)
21338	CakSNP21338	<i>Kabuli</i>	Ca_Kabuli_denovo	15341482	(A/G)
21339	CakSNP21339	<i>Kabuli</i>	Ca_Kabuli_denovo	15342107	(G/A)
21340	CakSNP21340	<i>Kabuli</i>	Ca_Kabuli_denovo	15343248	(C/G)
21341	CakSNP21341	<i>Kabuli</i>	Ca_Kabuli_denovo	15343266	(A/G)
21342	CakSNP21342	<i>Kabuli</i>	Ca_Kabuli_denovo	15345196	(T/C)
21343	CakSNP21343	<i>Kabuli</i>	Ca_Kabuli_denovo	15345239	(T/A)
21344	CakSNP21344	<i>Kabuli</i>	Ca_Kabuli_denovo	15349210	(C/T)
21345	CakSNP21345	<i>Kabuli</i>	Ca_Kabuli_denovo	15349219	(C/T)
21346	CakSNP21346	<i>Kabuli</i>	Ca_Kabuli_denovo	15350042	(C/T)
21347	CakSNP21347	<i>Kabuli</i>	Ca_Kabuli_denovo	15350057	(C/G)
21348	CakSNP21348	<i>Kabuli</i>	Ca_Kabuli_denovo	15352453	(G/A)
21349	CakSNP21349	<i>Kabuli</i>	Ca_Kabuli_denovo	15352531	(A/G)
21350	CakSNP21350	<i>Kabuli</i>	Ca_Kabuli_denovo	15357660	(G/C)
21351	CakSNP21351	<i>Kabuli</i>	Ca_Kabuli_denovo	15357668	(C/T)
21352	CakSNP21352	<i>Kabuli</i>	Ca_Kabuli_denovo	15358078	(C/T)
21353	CakSNP21353	<i>Kabuli</i>	Ca_Kabuli_denovo	15358348	(C/T)
21354	CakSNP21354	<i>Kabuli</i>	Ca_Kabuli_denovo	15361024	(C/T)
21355	CakSNP21355	<i>Kabuli</i>	Ca_Kabuli_denovo	15361027	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21356	CakSNP21356	<i>Kabuli</i>	Ca_Kabuli_denovo	15361033	(A/C)
21357	CakSNP21357	<i>Kabuli</i>	Ca_Kabuli_denovo	15363103	(C/T)
21358	CakSNP21358	<i>Kabuli</i>	Ca_Kabuli_denovo	15363133	(A/G)
21359	CakSNP21359	<i>Kabuli</i>	Ca_Kabuli_denovo	15366397	(G/A)
21360	CakSNP21360	<i>Kabuli</i>	Ca_Kabuli_denovo	15368258	(T/C)
21361	CakSNP21361	<i>Kabuli</i>	Ca_Kabuli_denovo	15368306	(A/G)
21362	CakSNP21362	<i>Kabuli</i>	Ca_Kabuli_denovo	15379238	(T/C)
21363	CakSNP21363	<i>Kabuli</i>	Ca_Kabuli_denovo	15379241	(G/A)
21364	CakSNP21364	<i>Kabuli</i>	Ca_Kabuli_denovo	15383419	(T/C)
21365	CakSNP21365	<i>Kabuli</i>	Ca_Kabuli_denovo	15386024	(G/A)
21366	CakSNP21366	<i>Kabuli</i>	Ca_Kabuli_denovo	15386083	(C/A)
21367	CakSNP21367	<i>Kabuli</i>	Ca_Kabuli_denovo	15387519	(C/T)
21368	CakSNP21368	<i>Kabuli</i>	Ca_Kabuli_denovo	15390193	(T/G)
21369	CakSNP21369	<i>Kabuli</i>	Ca_Kabuli_denovo	15390614	(G/C)
21370	CakSNP21370	<i>Kabuli</i>	Ca_Kabuli_denovo	15390631	(G/C)
21371	CakSNP21371	<i>Kabuli</i>	Ca_Kabuli_denovo	15390776	(C/G)
21372	CakSNP21372	<i>Kabuli</i>	Ca_Kabuli_denovo	15390791	(G/A)
21373	CakSNP21373	<i>Kabuli</i>	Ca_Kabuli_denovo	15391286	(G/A)
21374	CakSNP21374	<i>Kabuli</i>	Ca_Kabuli_denovo	15391314	(A/C)
21375	CakSNP21375	<i>Kabuli</i>	Ca_Kabuli_denovo	15397292	(G/C)
21376	CakSNP21376	<i>Kabuli</i>	Ca_Kabuli_denovo	15397334	(C/G)
21377	CakSNP21377	<i>Kabuli</i>	Ca_Kabuli_denovo	15400127	(G/A)
21378	CakSNP21378	<i>Kabuli</i>	Ca_Kabuli_denovo	15400133	(A/C)
21379	CakSNP21379	<i>Kabuli</i>	Ca_Kabuli_denovo	15401000	(A/G)
21380	CakSNP21380	<i>Kabuli</i>	Ca_Kabuli_denovo	15401033	(G/T)
21381	CakSNP21381	<i>Kabuli</i>	Ca_Kabuli_denovo	15406282	(A/C)
21382	CakSNP21382	<i>Kabuli</i>	Ca_Kabuli_denovo	15406287	(G/C)
21383	CakSNP21383	<i>Kabuli</i>	Ca_Kabuli_denovo	15406288	(G/T)
21384	CakSNP21384	<i>Kabuli</i>	Ca_Kabuli_denovo	15407414	(T/G)
21385	CakSNP21385	<i>Kabuli</i>	Ca_Kabuli_denovo	15407444	(A/G)
21386	CakSNP21386	<i>Kabuli</i>	Ca_Kabuli_denovo	15414998	(A/G)
21387	CakSNP21387	<i>Kabuli</i>	Ca_Kabuli_denovo	15417467	(A/G)
21388	CakSNP21388	<i>Kabuli</i>	Ca_Kabuli_denovo	15424718	(C/G)
21389	CakSNP21389	<i>Kabuli</i>	Ca_Kabuli_denovo	15425714	(A/G)
21390	CakSNP21390	<i>Kabuli</i>	Ca_Kabuli_denovo	15426125	(A/G)
21391	CakSNP21391	<i>Kabuli</i>	Ca_Kabuli_denovo	15428336	(G/C)
21392	CakSNP21392	<i>Kabuli</i>	Ca_Kabuli_denovo	15430885	(T/G)
21393	CakSNP21393	<i>Kabuli</i>	Ca_Kabuli_denovo	15431873	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21394	CakSNP21394	<i>Kabuli</i>	Ca_Kabuli_denovo	15431888	(C/T)
21395	CakSNP21395	<i>Kabuli</i>	Ca_Kabuli_denovo	15431906	(C/G)
21396	CakSNP21396	<i>Kabuli</i>	Ca_Kabuli_denovo	15431918	(C/T)
21397	CakSNP21397	<i>Kabuli</i>	Ca_Kabuli_denovo	15440132	(A/C)
21398	CakSNP21398	<i>Kabuli</i>	Ca_Kabuli_denovo	15441290	(A/C)
21399	CakSNP21399	<i>Kabuli</i>	Ca_Kabuli_denovo	15441305	(A/G)
21400	CakSNP21400	<i>Kabuli</i>	Ca_Kabuli_denovo	15455235	(G/T)
21401	CakSNP21401	<i>Kabuli</i>	Ca_Kabuli_denovo	15455296	(C/G)
21402	CakSNP21402	<i>Kabuli</i>	Ca_Kabuli_denovo	15456996	(G/A)
21403	CakSNP21403	<i>Kabuli</i>	Ca_Kabuli_denovo	15458395	(C/T)
21404	CakSNP21404	<i>Kabuli</i>	Ca_Kabuli_denovo	15458942	(G/A)
21405	CakSNP21405	<i>Kabuli</i>	Ca_Kabuli_denovo	15460422	(A/G)
21406	CakSNP21406	<i>Kabuli</i>	Ca_Kabuli_denovo	15460460	(G/A)
21407	CakSNP21407	<i>Kabuli</i>	Ca_Kabuli_denovo	15464054	(C/T)
21408	CakSNP21408	<i>Kabuli</i>	Ca_Kabuli_denovo	15464063	(A/G)
21409	CakSNP21409	<i>Kabuli</i>	Ca_Kabuli_denovo	15464257	(C/T)
21410	CakSNP21410	<i>Kabuli</i>	Ca_Kabuli_denovo	15464599	(A/G)
21411	CakSNP21411	<i>Kabuli</i>	Ca_Kabuli_denovo	15468646	(C/T)
21412	CakSNP21412	<i>Kabuli</i>	Ca_Kabuli_denovo	15469155	(C/T)
21413	CakSNP21413	<i>Kabuli</i>	Ca_Kabuli_denovo	15474029	(A/G)
21414	CakSNP21414	<i>Kabuli</i>	Ca_Kabuli_denovo	15474040	(T/G)
21415	CakSNP21415	<i>Kabuli</i>	Ca_Kabuli_denovo	15474052	(C/A)
21416	CakSNP21416	<i>Kabuli</i>	Ca_Kabuli_denovo	15474082	(G/T)
21417	CakSNP21417	<i>Kabuli</i>	Ca_Kabuli_denovo	15475209	(C/G)
21418	CakSNP21418	<i>Kabuli</i>	Ca_Kabuli_denovo	15475225	(T/C)
21419	CakSNP21419	<i>Kabuli</i>	Ca_Kabuli_denovo	15478410	(T/G)
21420	CakSNP21420	<i>Kabuli</i>	Ca_Kabuli_denovo	15480813	(C/T)
21421	CakSNP21421	<i>Kabuli</i>	Ca_Kabuli_denovo	15480822	(C/T)
21422	CakSNP21422	<i>Kabuli</i>	Ca_Kabuli_denovo	15491990	(T/C)
21423	CakSNP21423	<i>Kabuli</i>	Ca_Kabuli_denovo	15491996	(G/A)
21424	CakSNP21424	<i>Kabuli</i>	Ca_Kabuli_denovo	15499304	(G/T)
21425	CakSNP21425	<i>Kabuli</i>	Ca_Kabuli_denovo	15499316	(T/C)
21426	CakSNP21426	<i>Kabuli</i>	Ca_Kabuli_denovo	15499338	(T/G)
21427	CakSNP21427	<i>Kabuli</i>	Ca_Kabuli_denovo	15506868	(C/T)
21428	CakSNP21428	<i>Kabuli</i>	Ca_Kabuli_denovo	15507953	(G/T)
21429	CakSNP21429	<i>Kabuli</i>	Ca_Kabuli_denovo	15507965	(A/G)
21430	CakSNP21430	<i>Kabuli</i>	Ca_Kabuli_denovo	15521689	(T/C)
21431	CakSNP21431	<i>Kabuli</i>	Ca_Kabuli_denovo	15522761	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21432	CakSNP21432	<i>Kabuli</i>	Ca_Kabuli_denovo	15522773	(G/A)
21433	CakSNP21433	<i>Kabuli</i>	Ca_Kabuli_denovo	15524716	(G/T)
21434	CakSNP21434	<i>Kabuli</i>	Ca_Kabuli_denovo	15524717	(T/C)
21435	CakSNP21435	<i>Kabuli</i>	Ca_Kabuli_denovo	15524990	(T/C)
21436	CakSNP21436	<i>Kabuli</i>	Ca_Kabuli_denovo	15526190	(A/G)
21437	CakSNP21437	<i>Kabuli</i>	Ca_Kabuli_denovo	15530285	(T/G)
21438	CakSNP21438	<i>Kabuli</i>	Ca_Kabuli_denovo	15531595	(T/C)
21439	CakSNP21439	<i>Kabuli</i>	Ca_Kabuli_denovo	15552032	(A/G)
21440	CakSNP21440	<i>Kabuli</i>	Ca_Kabuli_denovo	15564979	(C/T)
21441	CakSNP21441	<i>Kabuli</i>	Ca_Kabuli_denovo	15566724	(T/A)
21442	CakSNP21442	<i>Kabuli</i>	Ca_Kabuli_denovo	15568183	(T/C)
21443	CakSNP21443	<i>Kabuli</i>	Ca_Kabuli_denovo	15568192	(G/T)
21444	CakSNP21444	<i>Kabuli</i>	Ca_Kabuli_denovo	15575379	(A/G)
21445	CakSNP21445	<i>Kabuli</i>	Ca_Kabuli_denovo	15575382	(G/C)
21446	CakSNP21446	<i>Kabuli</i>	Ca_Kabuli_denovo	15576520	(G/C)
21447	CakSNP21447	<i>Kabuli</i>	Ca_Kabuli_denovo	15582787	(T/C)
21448	CakSNP21448	<i>Kabuli</i>	Ca_Kabuli_denovo	15582800	(C/G)
21449	CakSNP21449	<i>Kabuli</i>	Ca_Kabuli_denovo	15590817	(A/G)
21450	CakSNP21450	<i>Kabuli</i>	Ca_Kabuli_denovo	15591832	(T/C)
21451	CakSNP21451	<i>Kabuli</i>	Ca_Kabuli_denovo	15595473	(C/A)
21452	CakSNP21452	<i>Kabuli</i>	Ca_Kabuli_denovo	15597791	(G/A)
21453	CakSNP21453	<i>Kabuli</i>	Ca_Kabuli_denovo	15597799	(C/A)
21454	CakSNP21454	<i>Kabuli</i>	Ca_Kabuli_denovo	15603179	(A/G)
21455	CakSNP21455	<i>Kabuli</i>	Ca_Kabuli_denovo	15603193	(T/C)
21456	CakSNP21456	<i>Kabuli</i>	Ca_Kabuli_denovo	15606500	(G/A)
21457	CakSNP21457	<i>Kabuli</i>	Ca_Kabuli_denovo	15609823	(G/A)
21458	CakSNP21458	<i>Kabuli</i>	Ca_Kabuli_denovo	15611115	(G/C)
21459	CakSNP21459	<i>Kabuli</i>	Ca_Kabuli_denovo	15611121	(C/T)
21460	CakSNP21460	<i>Kabuli</i>	Ca_Kabuli_denovo	15620902	(C/T)
21461	CakSNP21461	<i>Kabuli</i>	Ca_Kabuli_denovo	15620920	(G/T)
21462	CakSNP21462	<i>Kabuli</i>	Ca_Kabuli_denovo	15620944	(C/G)
21463	CakSNP21463	<i>Kabuli</i>	Ca_Kabuli_denovo	15621127	(G/A)
21464	CakSNP21464	<i>Kabuli</i>	Ca_Kabuli_denovo	15628387	(T/C)
21465	CakSNP21465	<i>Kabuli</i>	Ca_Kabuli_denovo	15631264	(G/T)
21466	CakSNP21466	<i>Kabuli</i>	Ca_Kabuli_denovo	15631270	(A/G)
21467	CakSNP21467	<i>Kabuli</i>	Ca_Kabuli_denovo	15631562	(C/A)
21468	CakSNP21468	<i>Kabuli</i>	Ca_Kabuli_denovo	15633158	(C/A)
21469	CakSNP21469	<i>Kabuli</i>	Ca_Kabuli_denovo	15637429	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21470	CakSNP21470	<i>Kabuli</i>	Ca_Kabuli_denovo	15638521	(C/G)
21471	CakSNP21471	<i>Kabuli</i>	Ca_Kabuli_denovo	15638548	(A/G)
21472	CakSNP21472	<i>Kabuli</i>	Ca_Kabuli_denovo	15640495	(C/T)
21473	CakSNP21473	<i>Kabuli</i>	Ca_Kabuli_denovo	15643259	(G/A)
21474	CakSNP21474	<i>Kabuli</i>	Ca_Kabuli_denovo	15643271	(T/C)
21475	CakSNP21475	<i>Kabuli</i>	Ca_Kabuli_denovo	15643735	(C/T)
21476	CakSNP21476	<i>Kabuli</i>	Ca_Kabuli_denovo	15643743	(A/G)
21477	CakSNP21477	<i>Kabuli</i>	Ca_Kabuli_denovo	15643912	(T/C)
21478	CakSNP21478	<i>Kabuli</i>	Ca_Kabuli_denovo	15643960	(C/T)
21479	CakSNP21479	<i>Kabuli</i>	Ca_Kabuli_denovo	15644967	(A/C)
21480	CakSNP21480	<i>Kabuli</i>	Ca_Kabuli_denovo	15647635	(A/G)
21481	CakSNP21481	<i>Kabuli</i>	Ca_Kabuli_denovo	15650816	(G/A)
21482	CakSNP21482	<i>Kabuli</i>	Ca_Kabuli_denovo	15656144	(T/C)
21483	CakSNP21483	<i>Kabuli</i>	Ca_Kabuli_denovo	15662922	(A/G)
21484	CakSNP21484	<i>Kabuli</i>	Ca_Kabuli_denovo	15662923	(A/G)
21485	CakSNP21485	<i>Kabuli</i>	Ca_Kabuli_denovo	15668904	(C/G)
21486	CakSNP21486	<i>Kabuli</i>	Ca_Kabuli_denovo	15672757	(G/A)
21487	CakSNP21487	<i>Kabuli</i>	Ca_Kabuli_denovo	15672819	(C/A)
21488	CakSNP21488	<i>Kabuli</i>	Ca_Kabuli_denovo	15676871	(A/G)
21489	CakSNP21489	<i>Kabuli</i>	Ca_Kabuli_denovo	15679048	(C/T)
21490	CakSNP21490	<i>Kabuli</i>	Ca_Kabuli_denovo	15682338	(A/G)
21491	CakSNP21491	<i>Kabuli</i>	Ca_Kabuli_denovo	15686389	(G/A)
21492	CakSNP21492	<i>Kabuli</i>	Ca_Kabuli_denovo	15689140	(T/G)
21493	CakSNP21493	<i>Kabuli</i>	Ca_Kabuli_denovo	15689179	(A/G)
21494	CakSNP21494	<i>Kabuli</i>	Ca_Kabuli_denovo	15693017	(A/G)
21495	CakSNP21495	<i>Kabuli</i>	Ca_Kabuli_denovo	15693033	(A/C)
21496	CakSNP21496	<i>Kabuli</i>	Ca_Kabuli_denovo	15696764	(T/G)
21497	CakSNP21497	<i>Kabuli</i>	Ca_Kabuli_denovo	15710031	(A/C)
21498	CakSNP21498	<i>Kabuli</i>	Ca_Kabuli_denovo	15724677	(T/C)
21499	CakSNP21499	<i>Kabuli</i>	Ca_Kabuli_denovo	15729201	(C/T)
21500	CakSNP21500	<i>Kabuli</i>	Ca_Kabuli_denovo	15730162	(T/C)
21501	CakSNP21501	<i>Kabuli</i>	Ca_Kabuli_denovo	15731996	(T/C)
21502	CakSNP21502	<i>Kabuli</i>	Ca_Kabuli_denovo	15732030	(C/T)
21503	CakSNP21503	<i>Kabuli</i>	Ca_Kabuli_denovo	15737951	(G/C)
21504	CakSNP21504	<i>Kabuli</i>	Ca_Kabuli_denovo	15738002	(A/G)
21505	CakSNP21505	<i>Kabuli</i>	Ca_Kabuli_denovo	15738908	(T/C)
21506	CakSNP21506	<i>Kabuli</i>	Ca_Kabuli_denovo	15738922	(T/C)
21507	CakSNP21507	<i>Kabuli</i>	Ca_Kabuli_denovo	15742863	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21508	CakSNP21508	<i>Kabuli</i>	Ca_Kabuli_denovo	15746595	(T/G)
21509	CakSNP21509	<i>Kabuli</i>	Ca_Kabuli_denovo	15746721	(A/G)
21510	CakSNP21510	<i>Kabuli</i>	Ca_Kabuli_denovo	15748786	(T/C)
21511	CakSNP21511	<i>Kabuli</i>	Ca_Kabuli_denovo	15750852	(A/C)
21512	CakSNP21512	<i>Kabuli</i>	Ca_Kabuli_denovo	15750903	(T/A)
21513	CakSNP21513	<i>Kabuli</i>	Ca_Kabuli_denovo	15750933	(C/T)
21514	CakSNP21514	<i>Kabuli</i>	Ca_Kabuli_denovo	15756831	(C/A)
21515	CakSNP21515	<i>Kabuli</i>	Ca_Kabuli_denovo	15760646	(C/G)
21516	CakSNP21516	<i>Kabuli</i>	Ca_Kabuli_denovo	15760923	(A/C)
21517	CakSNP21517	<i>Kabuli</i>	Ca_Kabuli_denovo	15766715	(C/T)
21518	CakSNP21518	<i>Kabuli</i>	Ca_Kabuli_denovo	15766718	(G/T)
21519	CakSNP21519	<i>Kabuli</i>	Ca_Kabuli_denovo	15769597	(C/T)
21520	CakSNP21520	<i>Kabuli</i>	Ca_Kabuli_denovo	15775001	(G/A)
21521	CakSNP21521	<i>Kabuli</i>	Ca_Kabuli_denovo	15777288	(T/G)
21522	CakSNP21522	<i>Kabuli</i>	Ca_Kabuli_denovo	15779882	(G/C)
21523	CakSNP21523	<i>Kabuli</i>	Ca_Kabuli_denovo	15780781	(C/T)
21524	CakSNP21524	<i>Kabuli</i>	Ca_Kabuli_denovo	15781142	(G/A)
21525	CakSNP21525	<i>Kabuli</i>	Ca_Kabuli_denovo	15781160	(G/A)
21526	CakSNP21526	<i>Kabuli</i>	Ca_Kabuli_denovo	15791427	(C/A)
21527	CakSNP21527	<i>Kabuli</i>	Ca_Kabuli_denovo	15791472	(C/G)
21528	CakSNP21528	<i>Kabuli</i>	Ca_Kabuli_denovo	15792255	(C/T)
21529	CakSNP21529	<i>Kabuli</i>	Ca_Kabuli_denovo	15806405	(G/A)
21530	CakSNP21530	<i>Kabuli</i>	Ca_Kabuli_denovo	15816444	(G/C)
21531	CakSNP21531	<i>Kabuli</i>	Ca_Kabuli_denovo	15816474	(A/C)
21532	CakSNP21532	<i>Kabuli</i>	Ca_Kabuli_denovo	15817830	(A/G)
21533	CakSNP21533	<i>Kabuli</i>	Ca_Kabuli_denovo	15820384	(T/C)
21534	CakSNP21534	<i>Kabuli</i>	Ca_Kabuli_denovo	15827646	(G/C)
21535	CakSNP21535	<i>Kabuli</i>	Ca_Kabuli_denovo	15835243	(A/T)
21536	CakSNP21536	<i>Kabuli</i>	Ca_Kabuli_denovo	15840418	(C/T)
21537	CakSNP21537	<i>Kabuli</i>	Ca_Kabuli_denovo	15843233	(T/A)
21538	CakSNP21538	<i>Kabuli</i>	Ca_Kabuli_denovo	15846580	(C/T)
21539	CakSNP21539	<i>Kabuli</i>	Ca_Kabuli_denovo	15846593	(T/C)
21540	CakSNP21540	<i>Kabuli</i>	Ca_Kabuli_denovo	15848981	(A/G)
21541	CakSNP21541	<i>Kabuli</i>	Ca_Kabuli_denovo	15848984	(G/C)
21542	CakSNP21542	<i>Kabuli</i>	Ca_Kabuli_denovo	15853479	(G/C)
21543	CakSNP21543	<i>Kabuli</i>	Ca_Kabuli_denovo	15855332	(G/T)
21544	CakSNP21544	<i>Kabuli</i>	Ca_Kabuli_denovo	15857901	(A/G)
21545	CakSNP21545	<i>Kabuli</i>	Ca_Kabuli_denovo	15858482	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21546	CakSNP21546	<i>Kabuli</i>	Ca_Kabuli_denovo	15858484	(C/G)
21547	CakSNP21547	<i>Kabuli</i>	Ca_Kabuli_denovo	15866668	(A/G)
21548	CakSNP21548	<i>Kabuli</i>	Ca_Kabuli_denovo	15867686	(T/G)
21549	CakSNP21549	<i>Kabuli</i>	Ca_Kabuli_denovo	15873998	(C/T)
21550	CakSNP21550	<i>Kabuli</i>	Ca_Kabuli_denovo	15874929	(G/A)
21551	CakSNP21551	<i>Kabuli</i>	Ca_Kabuli_denovo	15874948	(A/G)
21552	CakSNP21552	<i>Kabuli</i>	Ca_Kabuli_denovo	15875007	(G/A)
21553	CakSNP21553	<i>Kabuli</i>	Ca_Kabuli_denovo	15876783	(A/G)
21554	CakSNP21554	<i>Kabuli</i>	Ca_Kabuli_denovo	15884976	(C/G)
21555	CakSNP21555	<i>Kabuli</i>	Ca_Kabuli_denovo	15887807	(G/A)
21556	CakSNP21556	<i>Kabuli</i>	Ca_Kabuli_denovo	15892953	(T/C)
21557	CakSNP21557	<i>Kabuli</i>	Ca_Kabuli_denovo	15893254	(T/C)
21558	CakSNP21558	<i>Kabuli</i>	Ca_Kabuli_denovo	15893260	(A/G)
21559	CakSNP21559	<i>Kabuli</i>	Ca_Kabuli_denovo	15893327	(A/C)
21560	CakSNP21560	<i>Kabuli</i>	Ca_Kabuli_denovo	15893329	(A/C)
21561	CakSNP21561	<i>Kabuli</i>	Ca_Kabuli_denovo	15897534	(A/G)
21562	CakSNP21562	<i>Kabuli</i>	Ca_Kabuli_denovo	15897602	(C/T)
21563	CakSNP21563	<i>Kabuli</i>	Ca_Kabuli_denovo	15903773	(G/T)
21564	CakSNP21564	<i>Kabuli</i>	Ca_Kabuli_denovo	15903815	(A/G)
21565	CakSNP21565	<i>Kabuli</i>	Ca_Kabuli_denovo	15905649	(C/G)
21566	CakSNP21566	<i>Kabuli</i>	Ca_Kabuli_denovo	15907232	(T/C)
21567	CakSNP21567	<i>Kabuli</i>	Ca_Kabuli_denovo	15908094	(G/C)
21568	CakSNP21568	<i>Kabuli</i>	Ca_Kabuli_denovo	15911035	(T/C)
21569	CakSNP21569	<i>Kabuli</i>	Ca_Kabuli_denovo	15924073	(C/T)
21570	CakSNP21570	<i>Kabuli</i>	Ca_Kabuli_denovo	15929633	(T/A)
21571	CakSNP21571	<i>Kabuli</i>	Ca_Kabuli_denovo	15929674	(T/C)
21572	CakSNP21572	<i>Kabuli</i>	Ca_Kabuli_denovo	15930740	(G/A)
21573	CakSNP21573	<i>Kabuli</i>	Ca_Kabuli_denovo	15930808	(C/T)
21574	CakSNP21574	<i>Kabuli</i>	Ca_Kabuli_denovo	15931690	(C/G)
21575	CakSNP21575	<i>Kabuli</i>	Ca_Kabuli_denovo	15931714	(G/T)
21576	CakSNP21576	<i>Kabuli</i>	Ca_Kabuli_denovo	15932330	(A/G)
21577	CakSNP21577	<i>Kabuli</i>	Ca_Kabuli_denovo	15934836	(C/T)
21578	CakSNP21578	<i>Kabuli</i>	Ca_Kabuli_denovo	15937570	(A/G)
21579	CakSNP21579	<i>Kabuli</i>	Ca_Kabuli_denovo	15951873	(G/A)
21580	CakSNP21580	<i>Kabuli</i>	Ca_Kabuli_denovo	15952688	(A/G)
21581	CakSNP21581	<i>Kabuli</i>	Ca_Kabuli_denovo	15952703	(A/G)
21582	CakSNP21582	<i>Kabuli</i>	Ca_Kabuli_denovo	15970245	(G/A)
21583	CakSNP21583	<i>Kabuli</i>	Ca_Kabuli_denovo	15972570	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21584	CakSNP21584	<i>Kabuli</i>	Ca_Kabuli_denovo	15972591	(C/G)
21585	CakSNP21585	<i>Kabuli</i>	Ca_Kabuli_denovo	15977624	(G/T)
21586	CakSNP21586	<i>Kabuli</i>	Ca_Kabuli_denovo	15980240	(A/T)
21587	CakSNP21587	<i>Kabuli</i>	Ca_Kabuli_denovo	15992568	(C/G)
21588	CakSNP21588	<i>Kabuli</i>	Ca_Kabuli_denovo	15996800	(A/C)
21589	CakSNP21589	<i>Kabuli</i>	Ca_Kabuli_denovo	15997796	(A/T)
21590	CakSNP21590	<i>Kabuli</i>	Ca_Kabuli_denovo	15997817	(G/A)
21591	CakSNP21591	<i>Kabuli</i>	Ca_Kabuli_denovo	16007356	(G/C)
21592	CakSNP21592	<i>Kabuli</i>	Ca_Kabuli_denovo	16016229	(T/C)
21593	CakSNP21593	<i>Kabuli</i>	Ca_Kabuli_denovo	16018177	(C/T)
21594	CakSNP21594	<i>Kabuli</i>	Ca_Kabuli_denovo	16019462	(G/C)
21595	CakSNP21595	<i>Kabuli</i>	Ca_Kabuli_denovo	16032952	(G/C)
21596	CakSNP21596	<i>Kabuli</i>	Ca_Kabuli_denovo	16035104	(T/A)
21597	CakSNP21597	<i>Kabuli</i>	Ca_Kabuli_denovo	16035142	(T/C)
21598	CakSNP21598	<i>Kabuli</i>	Ca_Kabuli_denovo	16042128	(A/C)
21599	CakSNP21599	<i>Kabuli</i>	Ca_Kabuli_denovo	16045168	(G/T)
21600	CakSNP21600	<i>Kabuli</i>	Ca_Kabuli_denovo	16046908	(A/G)
21601	CakSNP21601	<i>Kabuli</i>	Ca_Kabuli_denovo	16051304	(C/T)
21602	CakSNP21602	<i>Kabuli</i>	Ca_Kabuli_denovo	16053222	(G/A)
21603	CakSNP21603	<i>Kabuli</i>	Ca_Kabuli_denovo	16059216	(G/C)
21604	CakSNP21604	<i>Kabuli</i>	Ca_Kabuli_denovo	16063343	(G/A)
21605	CakSNP21605	<i>Kabuli</i>	Ca_Kabuli_denovo	16063447	(T/G)
21606	CakSNP21606	<i>Kabuli</i>	Ca_Kabuli_denovo	16063460	(A/C)
21607	CakSNP21607	<i>Kabuli</i>	Ca_Kabuli_denovo	16064860	(C/G)
21608	CakSNP21608	<i>Kabuli</i>	Ca_Kabuli_denovo	16072684	(A/G)
21609	CakSNP21609	<i>Kabuli</i>	Ca_Kabuli_denovo	16077406	(A/C)
21610	CakSNP21610	<i>Kabuli</i>	Ca_Kabuli_denovo	16083241	(T/G)
21611	CakSNP21611	<i>Kabuli</i>	Ca_Kabuli_denovo	16088745	(T/C)
21612	CakSNP21612	<i>Kabuli</i>	Ca_Kabuli_denovo	16088999	(A/C)
21613	CakSNP21613	<i>Kabuli</i>	Ca_Kabuli_denovo	16089001	(A/C)
21614	CakSNP21614	<i>Kabuli</i>	Ca_Kabuli_denovo	16091858	(T/G)
21615	CakSNP21615	<i>Kabuli</i>	Ca_Kabuli_denovo	16104177	(G/A)
21616	CakSNP21616	<i>Kabuli</i>	Ca_Kabuli_denovo	16107450	(C/T)
21617	CakSNP21617	<i>Kabuli</i>	Ca_Kabuli_denovo	16107506	(G/A)
21618	CakSNP21618	<i>Kabuli</i>	Ca_Kabuli_denovo	16114582	(A/G)
21619	CakSNP21619	<i>Kabuli</i>	Ca_Kabuli_denovo	16115155	(C/T)
21620	CakSNP21620	<i>Kabuli</i>	Ca_Kabuli_denovo	16115164	(C/A)
21621	CakSNP21621	<i>Kabuli</i>	Ca_Kabuli_denovo	16116836	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21622	CakSNP21622	<i>Kabuli</i>	Ca_Kabuli_denovo	16116890	(T/G)
21623	CakSNP21623	<i>Kabuli</i>	Ca_Kabuli_denovo	16118811	(T/C)
21624	CakSNP21624	<i>Kabuli</i>	Ca_Kabuli_denovo	16118838	(G/A)
21625	CakSNP21625	<i>Kabuli</i>	Ca_Kabuli_denovo	16119632	(A/G)
21626	CakSNP21626	<i>Kabuli</i>	Ca_Kabuli_denovo	16134211	(G/A)
21627	CakSNP21627	<i>Kabuli</i>	Ca_Kabuli_denovo	16134249	(G/A)
21628	CakSNP21628	<i>Kabuli</i>	Ca_Kabuli_denovo	16134580	(G/A)
21629	CakSNP21629	<i>Kabuli</i>	Ca_Kabuli_denovo	16143666	(A/G)
21630	CakSNP21630	<i>Kabuli</i>	Ca_Kabuli_denovo	16144928	(A/G)
21631	CakSNP21631	<i>Kabuli</i>	Ca_Kabuli_denovo	16146300	(C/G)
21632	CakSNP21632	<i>Kabuli</i>	Ca_Kabuli_denovo	16152938	(G/A)
21633	CakSNP21633	<i>Kabuli</i>	Ca_Kabuli_denovo	16159144	(T/C)
21634	CakSNP21634	<i>Kabuli</i>	Ca_Kabuli_denovo	16165826	(C/G)
21635	CakSNP21635	<i>Kabuli</i>	Ca_Kabuli_denovo	16165837	(G/A)
21636	CakSNP21636	<i>Kabuli</i>	Ca_Kabuli_denovo	16167983	(C/T)
21637	CakSNP21637	<i>Kabuli</i>	Ca_Kabuli_denovo	16171075	(G/A)
21638	CakSNP21638	<i>Kabuli</i>	Ca_Kabuli_denovo	16173457	(T/G)
21639	CakSNP21639	<i>Kabuli</i>	Ca_Kabuli_denovo	16173469	(A/G)
21640	CakSNP21640	<i>Kabuli</i>	Ca_Kabuli_denovo	16180337	(A/T)
21641	CakSNP21641	<i>Kabuli</i>	Ca_Kabuli_denovo	16180369	(G/C)
21642	CakSNP21642	<i>Kabuli</i>	Ca_Kabuli_denovo	16180679	(T/C)
21643	CakSNP21643	<i>Kabuli</i>	Ca_Kabuli_denovo	16180694	(G/A)
21644	CakSNP21644	<i>Kabuli</i>	Ca_Kabuli_denovo	16180697	(G/A)
21645	CakSNP21645	<i>Kabuli</i>	Ca_Kabuli_denovo	16192364	(T/G)
21646	CakSNP21646	<i>Kabuli</i>	Ca_Kabuli_denovo	16195262	(A/G)
21647	CakSNP21647	<i>Kabuli</i>	Ca_Kabuli_denovo	16195265	(C/A)
21648	CakSNP21648	<i>Kabuli</i>	Ca_Kabuli_denovo	16202129	(C/G)
21649	CakSNP21649	<i>Kabuli</i>	Ca_Kabuli_denovo	16202257	(G/T)
21650	CakSNP21650	<i>Kabuli</i>	Ca_Kabuli_denovo	16203514	(A/G)
21651	CakSNP21651	<i>Kabuli</i>	Ca_Kabuli_denovo	16212822	(A/G)
21652	CakSNP21652	<i>Kabuli</i>	Ca_Kabuli_denovo	16212833	(G/T)
21653	CakSNP21653	<i>Kabuli</i>	Ca_Kabuli_denovo	16223803	(C/T)
21654	CakSNP21654	<i>Kabuli</i>	Ca_Kabuli_denovo	16223835	(A/T)
21655	CakSNP21655	<i>Kabuli</i>	Ca_Kabuli_denovo	16226517	(T/G)
21656	CakSNP21656	<i>Kabuli</i>	Ca_Kabuli_denovo	16226520	(A/C)
21657	CakSNP21657	<i>Kabuli</i>	Ca_Kabuli_denovo	16228102	(T/G)
21658	CakSNP21658	<i>Kabuli</i>	Ca_Kabuli_denovo	16231770	(C/T)
21659	CakSNP21659	<i>Kabuli</i>	Ca_Kabuli_denovo	16232648	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21660	CakSNP21660	<i>Kabuli</i>	Ca_Kabuli_denovo	16234566	(G/T)
21661	CakSNP21661	<i>Kabuli</i>	Ca_Kabuli_denovo	16234575	(G/A)
21662	CakSNP21662	<i>Kabuli</i>	Ca_Kabuli_denovo	16240526	(G/A)
21663	CakSNP21663	<i>Kabuli</i>	Ca_Kabuli_denovo	16244719	(A/T)
21664	CakSNP21664	<i>Kabuli</i>	Ca_Kabuli_denovo	16247333	(G/A)
21665	CakSNP21665	<i>Kabuli</i>	Ca_Kabuli_denovo	16247374	(C/T)
21666	CakSNP21666	<i>Kabuli</i>	Ca_Kabuli_denovo	16260126	(G/C)
21667	CakSNP21667	<i>Kabuli</i>	Ca_Kabuli_denovo	16260137	(A/G)
21668	CakSNP21668	<i>Kabuli</i>	Ca_Kabuli_denovo	16260601	(C/T)
21669	CakSNP21669	<i>Kabuli</i>	Ca_Kabuli_denovo	16260619	(G/A)
21670	CakSNP21670	<i>Kabuli</i>	Ca_Kabuli_denovo	16262566	(G/C)
21671	CakSNP21671	<i>Kabuli</i>	Ca_Kabuli_denovo	16263211	(C/T)
21672	CakSNP21672	<i>Kabuli</i>	Ca_Kabuli_denovo	16263606	(A/T)
21673	CakSNP21673	<i>Kabuli</i>	Ca_Kabuli_denovo	16263609	(T/C)
21674	CakSNP21674	<i>Kabuli</i>	Ca_Kabuli_denovo	16265172	(C/G)
21675	CakSNP21675	<i>Kabuli</i>	Ca_Kabuli_denovo	16266042	(T/G)
21676	CakSNP21676	<i>Kabuli</i>	Ca_Kabuli_denovo	16280261	(C/A)
21677	CakSNP21677	<i>Kabuli</i>	Ca_Kabuli_denovo	16280269	(C/T)
21678	CakSNP21678	<i>Kabuli</i>	Ca_Kabuli_denovo	16285150	(C/T)
21679	CakSNP21679	<i>Kabuli</i>	Ca_Kabuli_denovo	16285196	(C/T)
21680	CakSNP21680	<i>Kabuli</i>	Ca_Kabuli_denovo	16285228	(G/C)
21681	CakSNP21681	<i>Kabuli</i>	Ca_Kabuli_denovo	16287350	(G/C)
21682	CakSNP21682	<i>Kabuli</i>	Ca_Kabuli_denovo	16287361	(C/T)
21683	CakSNP21683	<i>Kabuli</i>	Ca_Kabuli_denovo	16293927	(C/T)
21684	CakSNP21684	<i>Kabuli</i>	Ca_Kabuli_denovo	16304638	(C/G)
21685	CakSNP21685	<i>Kabuli</i>	Ca_Kabuli_denovo	16304644	(G/A)
21686	CakSNP21686	<i>Kabuli</i>	Ca_Kabuli_denovo	16309405	(C/T)
21687	CakSNP21687	<i>Kabuli</i>	Ca_Kabuli_denovo	16310098	(A/C)
21688	CakSNP21688	<i>Kabuli</i>	Ca_Kabuli_denovo	16311865	(A/G)
21689	CakSNP21689	<i>Kabuli</i>	Ca_Kabuli_denovo	16318334	(A/C)
21690	CakSNP21690	<i>Kabuli</i>	Ca_Kabuli_denovo	16321322	(G/A)
21691	CakSNP21691	<i>Kabuli</i>	Ca_Kabuli_denovo	16321357	(G/T)
21692	CakSNP21692	<i>Kabuli</i>	Ca_Kabuli_denovo	16323646	(C/T)
21693	CakSNP21693	<i>Kabuli</i>	Ca_Kabuli_denovo	16323653	(G/A)
21694	CakSNP21694	<i>Kabuli</i>	Ca_Kabuli_denovo	16324174	(T/C)
21695	CakSNP21695	<i>Kabuli</i>	Ca_Kabuli_denovo	16324198	(G/C)
21696	CakSNP21696	<i>Kabuli</i>	Ca_Kabuli_denovo	16326296	(A/G)
21697	CakSNP21697	<i>Kabuli</i>	Ca_Kabuli_denovo	16326326	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21698	CakSNP21698	<i>Kabuli</i>	Ca_Kabuli_denovo	16327612	(G/T)
21699	CakSNP21699	<i>Kabuli</i>	Ca_Kabuli_denovo	16329733	(T/G)
21700	CakSNP21700	<i>Kabuli</i>	Ca_Kabuli_denovo	16329739	(T/C)
21701	CakSNP21701	<i>Kabuli</i>	Ca_Kabuli_denovo	16331645	(T/C)
21702	CakSNP21702	<i>Kabuli</i>	Ca_Kabuli_denovo	16332497	(A/G)
21703	CakSNP21703	<i>Kabuli</i>	Ca_Kabuli_denovo	16335146	(A/G)
21704	CakSNP21704	<i>Kabuli</i>	Ca_Kabuli_denovo	16337697	(A/C)
21705	CakSNP21705	<i>Kabuli</i>	Ca_Kabuli_denovo	16338451	(T/C)
21706	CakSNP21706	<i>Kabuli</i>	Ca_Kabuli_denovo	16338474	(T/G)
21707	CakSNP21707	<i>Kabuli</i>	Ca_Kabuli_denovo	16345856	(C/G)
21708	CakSNP21708	<i>Kabuli</i>	Ca_Kabuli_denovo	16360422	(C/T)
21709	CakSNP21709	<i>Kabuli</i>	Ca_Kabuli_denovo	16366147	(A/C)
21710	CakSNP21710	<i>Kabuli</i>	Ca_Kabuli_denovo	16366177	(T/C)
21711	CakSNP21711	<i>Kabuli</i>	Ca_Kabuli_denovo	16374055	(C/T)
21712	CakSNP21712	<i>Kabuli</i>	Ca_Kabuli_denovo	16374136	(C/A)
21713	CakSNP21713	<i>Kabuli</i>	Ca_Kabuli_denovo	16379800	(G/A)
21714	CakSNP21714	<i>Kabuli</i>	Ca_Kabuli_denovo	16380555	(A/G)
21715	CakSNP21715	<i>Kabuli</i>	Ca_Kabuli_denovo	16382611	(C/T)
21716	CakSNP21716	<i>Kabuli</i>	Ca_Kabuli_denovo	16386909	(T/G)
21717	CakSNP21717	<i>Kabuli</i>	Ca_Kabuli_denovo	16386939	(A/G)
21718	CakSNP21718	<i>Kabuli</i>	Ca_Kabuli_denovo	16395993	(A/C)
21719	CakSNP21719	<i>Kabuli</i>	Ca_Kabuli_denovo	16395994	(G/A)
21720	CakSNP21720	<i>Kabuli</i>	Ca_Kabuli_denovo	16396510	(A/G)
21721	CakSNP21721	<i>Kabuli</i>	Ca_Kabuli_denovo	16396541	(A/G)
21722	CakSNP21722	<i>Kabuli</i>	Ca_Kabuli_denovo	16399727	(C/G)
21723	CakSNP21723	<i>Kabuli</i>	Ca_Kabuli_denovo	16400456	(A/C)
21724	CakSNP21724	<i>Kabuli</i>	Ca_Kabuli_denovo	16400458	(A/G)
21725	CakSNP21725	<i>Kabuli</i>	Ca_Kabuli_denovo	16403710	(T/G)
21726	CakSNP21726	<i>Kabuli</i>	Ca_Kabuli_denovo	16407355	(T/G)
21727	CakSNP21727	<i>Kabuli</i>	Ca_Kabuli_denovo	16407358	(G/C)
21728	CakSNP21728	<i>Kabuli</i>	Ca_Kabuli_denovo	16408072	(T/C)
21729	CakSNP21729	<i>Kabuli</i>	Ca_Kabuli_denovo	16419017	(G/T)
21730	CakSNP21730	<i>Kabuli</i>	Ca_Kabuli_denovo	16419044	(T/C)
21731	CakSNP21731	<i>Kabuli</i>	Ca_Kabuli_denovo	16422703	(G/C)
21732	CakSNP21732	<i>Kabuli</i>	Ca_Kabuli_denovo	16423796	(C/G)
21733	CakSNP21733	<i>Kabuli</i>	Ca_Kabuli_denovo	16431153	(A/G)
21734	CakSNP21734	<i>Kabuli</i>	Ca_Kabuli_denovo	16431161	(G/A)
21735	CakSNP21735	<i>Kabuli</i>	Ca_Kabuli_denovo	16432329	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21736	CakSNP21736	<i>Kabuli</i>	Ca_Kabuli_denovo	16433327	(G/A)
21737	CakSNP21737	<i>Kabuli</i>	Ca_Kabuli_denovo	16433379	(A/G)
21738	CakSNP21738	<i>Kabuli</i>	Ca_Kabuli_denovo	16433532	(T/C)
21739	CakSNP21739	<i>Kabuli</i>	Ca_Kabuli_denovo	16433951	(A/G)
21740	CakSNP21740	<i>Kabuli</i>	Ca_Kabuli_denovo	16433958	(T/C)
21741	CakSNP21741	<i>Kabuli</i>	Ca_Kabuli_denovo	16433964	(T/C)
21742	CakSNP21742	<i>Kabuli</i>	Ca_Kabuli_denovo	16438515	(G/C)
21743	CakSNP21743	<i>Kabuli</i>	Ca_Kabuli_denovo	16438572	(G/T)
21744	CakSNP21744	<i>Kabuli</i>	Ca_Kabuli_denovo	16439398	(G/C)
21745	CakSNP21745	<i>Kabuli</i>	Ca_Kabuli_denovo	16439416	(T/C)
21746	CakSNP21746	<i>Kabuli</i>	Ca_Kabuli_denovo	16442634	(G/A)
21747	CakSNP21747	<i>Kabuli</i>	Ca_Kabuli_denovo	16442868	(A/T)
21748	CakSNP21748	<i>Kabuli</i>	Ca_Kabuli_denovo	16443463	(G/A)
21749	CakSNP21749	<i>Kabuli</i>	Ca_Kabuli_denovo	16443487	(C/T)
21750	CakSNP21750	<i>Kabuli</i>	Ca_Kabuli_denovo	16446001	(T/C)
21751	CakSNP21751	<i>Kabuli</i>	Ca_Kabuli_denovo	16446028	(A/T)
21752	CakSNP21752	<i>Kabuli</i>	Ca_Kabuli_denovo	16446612	(C/G)
21753	CakSNP21753	<i>Kabuli</i>	Ca_Kabuli_denovo	16446660	(C/T)
21754	CakSNP21754	<i>Kabuli</i>	Ca_Kabuli_denovo	16448652	(C/T)
21755	CakSNP21755	<i>Kabuli</i>	Ca_Kabuli_denovo	16448673	(C/T)
21756	CakSNP21756	<i>Kabuli</i>	Ca_Kabuli_denovo	16450928	(C/T)
21757	CakSNP21757	<i>Kabuli</i>	Ca_Kabuli_denovo	16450936	(G/C)
21758	CakSNP21758	<i>Kabuli</i>	Ca_Kabuli_denovo	16454737	(A/G)
21759	CakSNP21759	<i>Kabuli</i>	Ca_Kabuli_denovo	16454742	(C/T)
21760	CakSNP21760	<i>Kabuli</i>	Ca_Kabuli_denovo	16463528	(C/G)
21761	CakSNP21761	<i>Kabuli</i>	Ca_Kabuli_denovo	16463533	(A/C)
21762	CakSNP21762	<i>Kabuli</i>	Ca_Kabuli_denovo	16466561	(G/C)
21763	CakSNP21763	<i>Kabuli</i>	Ca_Kabuli_denovo	16478129	(C/T)
21764	CakSNP21764	<i>Kabuli</i>	Ca_Kabuli_denovo	16480207	(G/A)
21765	CakSNP21765	<i>Kabuli</i>	Ca_Kabuli_denovo	16481213	(T/C)
21766	CakSNP21766	<i>Kabuli</i>	Ca_Kabuli_denovo	16481216	(C/G)
21767	CakSNP21767	<i>Kabuli</i>	Ca_Kabuli_denovo	16488089	(C/G)
21768	CakSNP21768	<i>Kabuli</i>	Ca_Kabuli_denovo	16491339	(G/A)
21769	CakSNP21769	<i>Kabuli</i>	Ca_Kabuli_denovo	16493110	(C/G)
21770	CakSNP21770	<i>Kabuli</i>	Ca_Kabuli_denovo	16493176	(T/C)
21771	CakSNP21771	<i>Kabuli</i>	Ca_Kabuli_denovo	16493859	(C/T)
21772	CakSNP21772	<i>Kabuli</i>	Ca_Kabuli_denovo	16493864	(G/A)
21773	CakSNP21773	<i>Kabuli</i>	Ca_Kabuli_denovo	16495795	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21774	CakSNP21774	<i>Kabuli</i>	Ca_Kabuli_denovo	16495801	(A/G)
21775	CakSNP21775	<i>Kabuli</i>	Ca_Kabuli_denovo	16499520	(A/G)
21776	CakSNP21776	<i>Kabuli</i>	Ca_Kabuli_denovo	16499555	(C/A)
21777	CakSNP21777	<i>Kabuli</i>	Ca_Kabuli_denovo	16500677	(A/G)
21778	CakSNP21778	<i>Kabuli</i>	Ca_Kabuli_denovo	16500683	(A/G)
21779	CakSNP21779	<i>Kabuli</i>	Ca_Kabuli_denovo	16501449	(T/G)
21780	CakSNP21780	<i>Kabuli</i>	Ca_Kabuli_denovo	16503695	(G/C)
21781	CakSNP21781	<i>Kabuli</i>	Ca_Kabuli_denovo	16506410	(C/G)
21782	CakSNP21782	<i>Kabuli</i>	Ca_Kabuli_denovo	16506452	(C/T)
21783	CakSNP21783	<i>Kabuli</i>	Ca_Kabuli_denovo	16506584	(C/G)
21784	CakSNP21784	<i>Kabuli</i>	Ca_Kabuli_denovo	16506595	(A/C)
21785	CakSNP21785	<i>Kabuli</i>	Ca_Kabuli_denovo	16506801	(C/T)
21786	CakSNP21786	<i>Kabuli</i>	Ca_Kabuli_denovo	16506848	(T/G)
21787	CakSNP21787	<i>Kabuli</i>	Ca_Kabuli_denovo	16507564	(T/G)
21788	CakSNP21788	<i>Kabuli</i>	Ca_Kabuli_denovo	16507589	(T/G)
21789	CakSNP21789	<i>Kabuli</i>	Ca_Kabuli_denovo	16511992	(G/A)
21790	CakSNP21790	<i>Kabuli</i>	Ca_Kabuli_denovo	16516079	(T/C)
21791	CakSNP21791	<i>Kabuli</i>	Ca_Kabuli_denovo	16518646	(A/G)
21792	CakSNP21792	<i>Kabuli</i>	Ca_Kabuli_denovo	16521054	(G/C)
21793	CakSNP21793	<i>Kabuli</i>	Ca_Kabuli_denovo	16523681	(A/G)
21794	CakSNP21794	<i>Kabuli</i>	Ca_Kabuli_denovo	16527540	(A/G)
21795	CakSNP21795	<i>Kabuli</i>	Ca_Kabuli_denovo	16527703	(T/C)
21796	CakSNP21796	<i>Kabuli</i>	Ca_Kabuli_denovo	16527716	(G/A)
21797	CakSNP21797	<i>Kabuli</i>	Ca_Kabuli_denovo	16531688	(G/C)
21798	CakSNP21798	<i>Kabuli</i>	Ca_Kabuli_denovo	16531733	(G/C)
21799	CakSNP21799	<i>Kabuli</i>	Ca_Kabuli_denovo	16535101	(C/A)
21800	CakSNP21800	<i>Kabuli</i>	Ca_Kabuli_denovo	16537066	(C/A)
21801	CakSNP21801	<i>Kabuli</i>	Ca_Kabuli_denovo	16538701	(C/T)
21802	CakSNP21802	<i>Kabuli</i>	Ca_Kabuli_denovo	16538725	(G/T)
21803	CakSNP21803	<i>Kabuli</i>	Ca_Kabuli_denovo	16540897	(G/T)
21804	CakSNP21804	<i>Kabuli</i>	Ca_Kabuli_denovo	16540932	(T/C)
21805	CakSNP21805	<i>Kabuli</i>	Ca_Kabuli_denovo	16541788	(T/C)
21806	CakSNP21806	<i>Kabuli</i>	Ca_Kabuli_denovo	16541815	(C/G)
21807	CakSNP21807	<i>Kabuli</i>	Ca_Kabuli_denovo	16541818	(C/T)
21808	CakSNP21808	<i>Kabuli</i>	Ca_Kabuli_denovo	16542667	(T/C)
21809	CakSNP21809	<i>Kabuli</i>	Ca_Kabuli_denovo	16543444	(T/C)
21810	CakSNP21810	<i>Kabuli</i>	Ca_Kabuli_denovo	16548536	(G/A)
21811	CakSNP21811	<i>Kabuli</i>	Ca_Kabuli_denovo	16548706	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21812	CakSNP21812	<i>Kabuli</i>	Ca_Kabuli_denovo	16548709	(C/T)
21813	CakSNP21813	<i>Kabuli</i>	Ca_Kabuli_denovo	16550594	(A/G)
21814	CakSNP21814	<i>Kabuli</i>	Ca_Kabuli_denovo	16550597	(G/C)
21815	CakSNP21815	<i>Kabuli</i>	Ca_Kabuli_denovo	16550753	(T/G)
21816	CakSNP21816	<i>Kabuli</i>	Ca_Kabuli_denovo	16551596	(T/C)
21817	CakSNP21817	<i>Kabuli</i>	Ca_Kabuli_denovo	16551608	(C/T)
21818	CakSNP21818	<i>Kabuli</i>	Ca_Kabuli_denovo	16551984	(C/G)
21819	CakSNP21819	<i>Kabuli</i>	Ca_Kabuli_denovo	16552001	(C/G)
21820	CakSNP21820	<i>Kabuli</i>	Ca_Kabuli_denovo	16555320	(A/G)
21821	CakSNP21821	<i>Kabuli</i>	Ca_Kabuli_denovo	16555331	(A/G)
21822	CakSNP21822	<i>Kabuli</i>	Ca_Kabuli_denovo	16555347	(C/T)
21823	CakSNP21823	<i>Kabuli</i>	Ca_Kabuli_denovo	16563232	(C/G)
21824	CakSNP21824	<i>Kabuli</i>	Ca_Kabuli_denovo	16568993	(G/T)
21825	CakSNP21825	<i>Kabuli</i>	Ca_Kabuli_denovo	16568994	(T/C)
21826	CakSNP21826	<i>Kabuli</i>	Ca_Kabuli_denovo	16573820	(G/C)
21827	CakSNP21827	<i>Kabuli</i>	Ca_Kabuli_denovo	16573891	(C/T)
21828	CakSNP21828	<i>Kabuli</i>	Ca_Kabuli_denovo	16573900	(C/G)
21829	CakSNP21829	<i>Kabuli</i>	Ca_Kabuli_denovo	16573903	(C/T)
21830	CakSNP21830	<i>Kabuli</i>	Ca_Kabuli_denovo	16575551	(A/G)
21831	CakSNP21831	<i>Kabuli</i>	Ca_Kabuli_denovo	16577951	(G/A)
21832	CakSNP21832	<i>Kabuli</i>	Ca_Kabuli_denovo	16577959	(G/T)
21833	CakSNP21833	<i>Kabuli</i>	Ca_Kabuli_denovo	16578568	(C/T)
21834	CakSNP21834	<i>Kabuli</i>	Ca_Kabuli_denovo	16585761	(C/T)
21835	CakSNP21835	<i>Kabuli</i>	Ca_Kabuli_denovo	16589452	(G/A)
21836	CakSNP21836	<i>Kabuli</i>	Ca_Kabuli_denovo	16590210	(G/C)
21837	CakSNP21837	<i>Kabuli</i>	Ca_Kabuli_denovo	16590229	(C/G)
21838	CakSNP21838	<i>Kabuli</i>	Ca_Kabuli_denovo	16611748	(C/T)
21839	CakSNP21839	<i>Kabuli</i>	Ca_Kabuli_denovo	16613548	(A/G)
21840	CakSNP21840	<i>Kabuli</i>	Ca_Kabuli_denovo	16616090	(G/A)
21841	CakSNP21841	<i>Kabuli</i>	Ca_Kabuli_denovo	16616105	(A/G)
21842	CakSNP21842	<i>Kabuli</i>	Ca_Kabuli_denovo	16616806	(C/A)
21843	CakSNP21843	<i>Kabuli</i>	Ca_Kabuli_denovo	16619801	(C/A)
21844	CakSNP21844	<i>Kabuli</i>	Ca_Kabuli_denovo	16623076	(A/G)
21845	CakSNP21845	<i>Kabuli</i>	Ca_Kabuli_denovo	16626028	(C/A)
21846	CakSNP21846	<i>Kabuli</i>	Ca_Kabuli_denovo	16626043	(A/G)
21847	CakSNP21847	<i>Kabuli</i>	Ca_Kabuli_denovo	16629782	(C/T)
21848	CakSNP21848	<i>Kabuli</i>	Ca_Kabuli_denovo	16643323	(A/G)
21849	CakSNP21849	<i>Kabuli</i>	Ca_Kabuli_denovo	16648155	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21850	CakSNP21850	<i>Kabuli</i>	Ca_Kabuli_denovo	16653157	(T/C)
21851	CakSNP21851	<i>Kabuli</i>	Ca_Kabuli_denovo	16665169	(T/C)
21852	CakSNP21852	<i>Kabuli</i>	Ca_Kabuli_denovo	16669271	(T/G)
21853	CakSNP21853	<i>Kabuli</i>	Ca_Kabuli_denovo	16669353	(G/C)
21854	CakSNP21854	<i>Kabuli</i>	Ca_Kabuli_denovo	16669354	(G/C)
21855	CakSNP21855	<i>Kabuli</i>	Ca_Kabuli_denovo	16672658	(C/G)
21856	CakSNP21856	<i>Kabuli</i>	Ca_Kabuli_denovo	16673523	(C/T)
21857	CakSNP21857	<i>Kabuli</i>	Ca_Kabuli_denovo	16673532	(T/A)
21858	CakSNP21858	<i>Kabuli</i>	Ca_Kabuli_denovo	16673632	(C/A)
21859	CakSNP21859	<i>Kabuli</i>	Ca_Kabuli_denovo	16678096	(A/G)
21860	CakSNP21860	<i>Kabuli</i>	Ca_Kabuli_denovo	16678143	(G/T)
21861	CakSNP21861	<i>Kabuli</i>	Ca_Kabuli_denovo	16691722	(T/A)
21862	CakSNP21862	<i>Kabuli</i>	Ca_Kabuli_denovo	16700868	(G/C)
21863	CakSNP21863	<i>Kabuli</i>	Ca_Kabuli_denovo	16706187	(G/C)
21864	CakSNP21864	<i>Kabuli</i>	Ca_Kabuli_denovo	16706241	(G/A)
21865	CakSNP21865	<i>Kabuli</i>	Ca_Kabuli_denovo	16707329	(G/A)
21866	CakSNP21866	<i>Kabuli</i>	Ca_Kabuli_denovo	16707356	(A/C)
21867	CakSNP21867	<i>Kabuli</i>	Ca_Kabuli_denovo	16708337	(A/G)
21868	CakSNP21868	<i>Kabuli</i>	Ca_Kabuli_denovo	16715210	(A/G)
21869	CakSNP21869	<i>Kabuli</i>	Ca_Kabuli_denovo	16715216	(A/C)
21870	CakSNP21870	<i>Kabuli</i>	Ca_Kabuli_denovo	16720077	(T/G)
21871	CakSNP21871	<i>Kabuli</i>	Ca_Kabuli_denovo	16720096	(C/A)
21872	CakSNP21872	<i>Kabuli</i>	Ca_Kabuli_denovo	16723012	(G/A)
21873	CakSNP21873	<i>Kabuli</i>	Ca_Kabuli_denovo	16724754	(A/G)
21874	CakSNP21874	<i>Kabuli</i>	Ca_Kabuli_denovo	16724832	(T/C)
21875	CakSNP21875	<i>Kabuli</i>	Ca_Kabuli_denovo	16725436	(T/C)
21876	CakSNP21876	<i>Kabuli</i>	Ca_Kabuli_denovo	16728254	(A/C)
21877	CakSNP21877	<i>Kabuli</i>	Ca_Kabuli_denovo	16734735	(A/G)
21878	CakSNP21878	<i>Kabuli</i>	Ca_Kabuli_denovo	16738628	(C/T)
21879	CakSNP21879	<i>Kabuli</i>	Ca_Kabuli_denovo	16741741	(T/C)
21880	CakSNP21880	<i>Kabuli</i>	Ca_Kabuli_denovo	16745312	(T/G)
21881	CakSNP21881	<i>Kabuli</i>	Ca_Kabuli_denovo	16745357	(C/T)
21882	CakSNP21882	<i>Kabuli</i>	Ca_Kabuli_denovo	16749543	(C/T)
21883	CakSNP21883	<i>Kabuli</i>	Ca_Kabuli_denovo	16753524	(T/C)
21884	CakSNP21884	<i>Kabuli</i>	Ca_Kabuli_denovo	16756754	(T/G)
21885	CakSNP21885	<i>Kabuli</i>	Ca_Kabuli_denovo	16756778	(C/G)
21886	CakSNP21886	<i>Kabuli</i>	Ca_Kabuli_denovo	16759066	(A/C)
21887	CakSNP21887	<i>Kabuli</i>	Ca_Kabuli_denovo	16763119	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21888	CakSNP21888	<i>Kabuli</i>	Ca_Kabuli_denovo	16768916	(C/T)
21889	CakSNP21889	<i>Kabuli</i>	Ca_Kabuli_denovo	16770864	(C/T)
21890	CakSNP21890	<i>Kabuli</i>	Ca_Kabuli_denovo	16773167	(G/A)
21891	CakSNP21891	<i>Kabuli</i>	Ca_Kabuli_denovo	16773169	(T/C)
21892	CakSNP21892	<i>Kabuli</i>	Ca_Kabuli_denovo	16775909	(G/C)
21893	CakSNP21893	<i>Kabuli</i>	Ca_Kabuli_denovo	16792384	(G/T)
21894	CakSNP21894	<i>Kabuli</i>	Ca_Kabuli_denovo	16792385	(T/C)
21895	CakSNP21895	<i>Kabuli</i>	Ca_Kabuli_denovo	16795334	(A/C)
21896	CakSNP21896	<i>Kabuli</i>	Ca_Kabuli_denovo	16796009	(G/C)
21897	CakSNP21897	<i>Kabuli</i>	Ca_Kabuli_denovo	16797381	(A/C)
21898	CakSNP21898	<i>Kabuli</i>	Ca_Kabuli_denovo	16798070	(T/G)
21899	CakSNP21899	<i>Kabuli</i>	Ca_Kabuli_denovo	16800967	(G/C)
21900	CakSNP21900	<i>Kabuli</i>	Ca_Kabuli_denovo	16800982	(G/A)
21901	CakSNP21901	<i>Kabuli</i>	Ca_Kabuli_denovo	16805285	(A/C)
21902	CakSNP21902	<i>Kabuli</i>	Ca_Kabuli_denovo	16806851	(A/G)
21903	CakSNP21903	<i>Kabuli</i>	Ca_Kabuli_denovo	16810319	(C/G)
21904	CakSNP21904	<i>Kabuli</i>	Ca_Kabuli_denovo	16810328	(G/T)
21905	CakSNP21905	<i>Kabuli</i>	Ca_Kabuli_denovo	16811019	(A/G)
21906	CakSNP21906	<i>Kabuli</i>	Ca_Kabuli_denovo	16817728	(C/T)
21907	CakSNP21907	<i>Kabuli</i>	Ca_Kabuli_denovo	16818477	(G/T)
21908	CakSNP21908	<i>Kabuli</i>	Ca_Kabuli_denovo	16822925	(G/A)
21909	CakSNP21909	<i>Kabuli</i>	Ca_Kabuli_denovo	16839161	(T/C)
21910	CakSNP21910	<i>Kabuli</i>	Ca_Kabuli_denovo	16847104	(G/A)
21911	CakSNP21911	<i>Kabuli</i>	Ca_Kabuli_denovo	16847905	(T/G)
21912	CakSNP21912	<i>Kabuli</i>	Ca_Kabuli_denovo	16847915	(T/C)
21913	CakSNP21913	<i>Kabuli</i>	Ca_Kabuli_denovo	16848678	(A/G)
21914	CakSNP21914	<i>Kabuli</i>	Ca_Kabuli_denovo	16848818	(C/G)
21915	CakSNP21915	<i>Kabuli</i>	Ca_Kabuli_denovo	16849886	(C/A)
21916	CakSNP21916	<i>Kabuli</i>	Ca_Kabuli_denovo	16849916	(G/C)
21917	CakSNP21917	<i>Kabuli</i>	Ca_Kabuli_denovo	16854862	(C/T)
21918	CakSNP21918	<i>Kabuli</i>	Ca_Kabuli_denovo	16854880	(A/G)
21919	CakSNP21919	<i>Kabuli</i>	Ca_Kabuli_denovo	16856071	(T/C)
21920	CakSNP21920	<i>Kabuli</i>	Ca_Kabuli_denovo	16857724	(G/T)
21921	CakSNP21921	<i>Kabuli</i>	Ca_Kabuli_denovo	16866134	(C/T)
21922	CakSNP21922	<i>Kabuli</i>	Ca_Kabuli_denovo	16866191	(T/G)
21923	CakSNP21923	<i>Kabuli</i>	Ca_Kabuli_denovo	16867690	(G/A)
21924	CakSNP21924	<i>Kabuli</i>	Ca_Kabuli_denovo	16884460	(G/C)
21925	CakSNP21925	<i>Kabuli</i>	Ca_Kabuli_denovo	16890964	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21926	CakSNP21926	<i>Kabuli</i>	Ca_Kabuli_denovo	16890974	(A/G)
21927	CakSNP21927	<i>Kabuli</i>	Ca_Kabuli_denovo	16900104	(G/A)
21928	CakSNP21928	<i>Kabuli</i>	Ca_Kabuli_denovo	16900127	(G/A)
21929	CakSNP21929	<i>Kabuli</i>	Ca_Kabuli_denovo	16901597	(T/G)
21930	CakSNP21930	<i>Kabuli</i>	Ca_Kabuli_denovo	16901600	(T/A)
21931	CakSNP21931	<i>Kabuli</i>	Ca_Kabuli_denovo	16901701	(C/T)
21932	CakSNP21932	<i>Kabuli</i>	Ca_Kabuli_denovo	16904740	(A/C)
21933	CakSNP21933	<i>Kabuli</i>	Ca_Kabuli_denovo	16909393	(C/G)
21934	CakSNP21934	<i>Kabuli</i>	Ca_Kabuli_denovo	16909447	(C/A)
21935	CakSNP21935	<i>Kabuli</i>	Ca_Kabuli_denovo	16913920	(G/T)
21936	CakSNP21936	<i>Kabuli</i>	Ca_Kabuli_denovo	16917202	(G/C)
21937	CakSNP21937	<i>Kabuli</i>	Ca_Kabuli_denovo	16917212	(G/A)
21938	CakSNP21938	<i>Kabuli</i>	Ca_Kabuli_denovo	16921376	(A/G)
21939	CakSNP21939	<i>Kabuli</i>	Ca_Kabuli_denovo	16929094	(C/T)
21940	CakSNP21940	<i>Kabuli</i>	Ca_Kabuli_denovo	16930382	(T/C)
21941	CakSNP21941	<i>Kabuli</i>	Ca_Kabuli_denovo	16936177	(A/G)
21942	CakSNP21942	<i>Kabuli</i>	Ca_Kabuli_denovo	16938854	(T/C)
21943	CakSNP21943	<i>Kabuli</i>	Ca_Kabuli_denovo	16938863	(A/G)
21944	CakSNP21944	<i>Kabuli</i>	Ca_Kabuli_denovo	16947610	(G/A)
21945	CakSNP21945	<i>Kabuli</i>	Ca_Kabuli_denovo	16947664	(T/C)
21946	CakSNP21946	<i>Kabuli</i>	Ca_Kabuli_denovo	16947792	(G/A)
21947	CakSNP21947	<i>Kabuli</i>	Ca_Kabuli_denovo	16950010	(T/C)
21948	CakSNP21948	<i>Kabuli</i>	Ca_Kabuli_denovo	16959044	(C/G)
21949	CakSNP21949	<i>Kabuli</i>	Ca_Kabuli_denovo	16959070	(C/G)
21950	CakSNP21950	<i>Kabuli</i>	Ca_Kabuli_denovo	16959077	(G/A)
21951	CakSNP21951	<i>Kabuli</i>	Ca_Kabuli_denovo	16972762	(T/C)
21952	CakSNP21952	<i>Kabuli</i>	Ca_Kabuli_denovo	16973548	(C/T)
21953	CakSNP21953	<i>Kabuli</i>	Ca_Kabuli_denovo	16973590	(C/G)
21954	CakSNP21954	<i>Kabuli</i>	Ca_Kabuli_denovo	16984599	(C/G)
21955	CakSNP21955	<i>Kabuli</i>	Ca_Kabuli_denovo	16984785	(C/G)
21956	CakSNP21956	<i>Kabuli</i>	Ca_Kabuli_denovo	16984812	(T/C)
21957	CakSNP21957	<i>Kabuli</i>	Ca_Kabuli_denovo	17004468	(G/A)
21958	CakSNP21958	<i>Kabuli</i>	Ca_Kabuli_denovo	17004504	(C/T)
21959	CakSNP21959	<i>Kabuli</i>	Ca_Kabuli_denovo	17004540	(C/T)
21960	CakSNP21960	<i>Kabuli</i>	Ca_Kabuli_denovo	17005753	(G/A)
21961	CakSNP21961	<i>Kabuli</i>	Ca_Kabuli_denovo	17005756	(A/G)
21962	CakSNP21962	<i>Kabuli</i>	Ca_Kabuli_denovo	17016529	(C/T)
21963	CakSNP21963	<i>Kabuli</i>	Ca_Kabuli_denovo	17016536	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21964	CakSNP21964	<i>Kabuli</i>	Ca_Kabuli_denovo	17016995	(A/T)
21965	CakSNP21965	<i>Kabuli</i>	Ca_Kabuli_denovo	17021436	(T/G)
21966	CakSNP21966	<i>Kabuli</i>	Ca_Kabuli_denovo	17021442	(G/T)
21967	CakSNP21967	<i>Kabuli</i>	Ca_Kabuli_denovo	17024552	(C/A)
21968	CakSNP21968	<i>Kabuli</i>	Ca_Kabuli_denovo	17034564	(T/C)
21969	CakSNP21969	<i>Kabuli</i>	Ca_Kabuli_denovo	17034585	(G/A)
21970	CakSNP21970	<i>Kabuli</i>	Ca_Kabuli_denovo	17035472	(G/A)
21971	CakSNP21971	<i>Kabuli</i>	Ca_Kabuli_denovo	17039549	(C/G)
21972	CakSNP21972	<i>Kabuli</i>	Ca_Kabuli_denovo	17039551	(T/G)
21973	CakSNP21973	<i>Kabuli</i>	Ca_Kabuli_denovo	17042770	(C/G)
21974	CakSNP21974	<i>Kabuli</i>	Ca_Kabuli_denovo	17043941	(G/A)
21975	CakSNP21975	<i>Kabuli</i>	Ca_Kabuli_denovo	17045500	(T/G)
21976	CakSNP21976	<i>Kabuli</i>	Ca_Kabuli_denovo	17050364	(G/A)
21977	CakSNP21977	<i>Kabuli</i>	Ca_Kabuli_denovo	17052384	(T/G)
21978	CakSNP21978	<i>Kabuli</i>	Ca_Kabuli_denovo	17056471	(C/T)
21979	CakSNP21979	<i>Kabuli</i>	Ca_Kabuli_denovo	17056477	(C/G)
21980	CakSNP21980	<i>Kabuli</i>	Ca_Kabuli_denovo	17057732	(C/T)
21981	CakSNP21981	<i>Kabuli</i>	Ca_Kabuli_denovo	17057823	(T/C)
21982	CakSNP21982	<i>Kabuli</i>	Ca_Kabuli_denovo	17057850	(G/A)
21983	CakSNP21983	<i>Kabuli</i>	Ca_Kabuli_denovo	17069033	(A/C)
21984	CakSNP21984	<i>Kabuli</i>	Ca_Kabuli_denovo	17069653	(C/T)
21985	CakSNP21985	<i>Kabuli</i>	Ca_Kabuli_denovo	17069674	(T/C)
21986	CakSNP21986	<i>Kabuli</i>	Ca_Kabuli_denovo	17072513	(T/C)
21987	CakSNP21987	<i>Kabuli</i>	Ca_Kabuli_denovo	17072515	(G/C)
21988	CakSNP21988	<i>Kabuli</i>	Ca_Kabuli_denovo	17072813	(T/C)
21989	CakSNP21989	<i>Kabuli</i>	Ca_Kabuli_denovo	17074228	(A/G)
21990	CakSNP21990	<i>Kabuli</i>	Ca_Kabuli_denovo	17074250	(T/A)
21991	CakSNP21991	<i>Kabuli</i>	Ca_Kabuli_denovo	17074307	(A/T)
21992	CakSNP21992	<i>Kabuli</i>	Ca_Kabuli_denovo	17077410	(A/G)
21993	CakSNP21993	<i>Kabuli</i>	Ca_Kabuli_denovo	17082462	(T/C)
21994	CakSNP21994	<i>Kabuli</i>	Ca_Kabuli_denovo	17082822	(A/G)
21995	CakSNP21995	<i>Kabuli</i>	Ca_Kabuli_denovo	17083441	(G/T)
21996	CakSNP21996	<i>Kabuli</i>	Ca_Kabuli_denovo	17085224	(T/C)
21997	CakSNP21997	<i>Kabuli</i>	Ca_Kabuli_denovo	17094726	(G/A)
21998	CakSNP21998	<i>Kabuli</i>	Ca_Kabuli_denovo	17095757	(A/G)
21999	CakSNP21999	<i>Kabuli</i>	Ca_Kabuli_denovo	17100012	(C/G)
22000	CakSNP22000	<i>Kabuli</i>	Ca_Kabuli_denovo	17100020	(A/C)
22001	CakSNP22001	<i>Kabuli</i>	Ca_Kabuli_denovo	17100026	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22002	CakSNP22002	<i>Kabuli</i>	Ca_Kabuli_denovo	17100254	(A/T)
22003	CakSNP22003	<i>Kabuli</i>	Ca_Kabuli_denovo	17100270	(C/G)
22004	CakSNP22004	<i>Kabuli</i>	Ca_Kabuli_denovo	17100331	(T/C)
22005	CakSNP22005	<i>Kabuli</i>	Ca_Kabuli_denovo	17105131	(T/G)
22006	CakSNP22006	<i>Kabuli</i>	Ca_Kabuli_denovo	17124123	(G/C)
22007	CakSNP22007	<i>Kabuli</i>	Ca_Kabuli_denovo	17124179	(G/A)
22008	CakSNP22008	<i>Kabuli</i>	Ca_Kabuli_denovo	17135908	(C/G)
22009	CakSNP22009	<i>Kabuli</i>	Ca_Kabuli_denovo	17135911	(T/C)
22010	CakSNP22010	<i>Kabuli</i>	Ca_Kabuli_denovo	17137643	(A/C)
22011	CakSNP22011	<i>Kabuli</i>	Ca_Kabuli_denovo	17145502	(C/T)
22012	CakSNP22012	<i>Kabuli</i>	Ca_Kabuli_denovo	17149807	(C/G)
22013	CakSNP22013	<i>Kabuli</i>	Ca_Kabuli_denovo	17153306	(G/A)
22014	CakSNP22014	<i>Kabuli</i>	Ca_Kabuli_denovo	17153538	(A/G)
22015	CakSNP22015	<i>Kabuli</i>	Ca_Kabuli_denovo	17153539	(T/C)
22016	CakSNP22016	<i>Kabuli</i>	Ca_Kabuli_denovo	17158844	(T/G)
22017	CakSNP22017	<i>Kabuli</i>	Ca_Kabuli_denovo	17158845	(C/A)
22018	CakSNP22018	<i>Kabuli</i>	Ca_Kabuli_denovo	17164315	(G/T)
22019	CakSNP22019	<i>Kabuli</i>	Ca_Kabuli_denovo	17169559	(C/T)
22020	CakSNP22020	<i>Kabuli</i>	Ca_Kabuli_denovo	17173889	(C/T)
22021	CakSNP22021	<i>Kabuli</i>	Ca_Kabuli_denovo	17175017	(C/G)
22022	CakSNP22022	<i>Kabuli</i>	Ca_Kabuli_denovo	17175032	(C/T)
22023	CakSNP22023	<i>Kabuli</i>	Ca_Kabuli_denovo	17183208	(C/T)
22024	CakSNP22024	<i>Kabuli</i>	Ca_Kabuli_denovo	17183478	(C/G)
22025	CakSNP22025	<i>Kabuli</i>	Ca_Kabuli_denovo	17183481	(T/C)
22026	CakSNP22026	<i>Kabuli</i>	Ca_Kabuli_denovo	17191143	(A/C)
22027	CakSNP22027	<i>Kabuli</i>	Ca_Kabuli_denovo	17191144	(G/A)
22028	CakSNP22028	<i>Kabuli</i>	Ca_Kabuli_denovo	17193826	(G/A)
22029	CakSNP22029	<i>Kabuli</i>	Ca_Kabuli_denovo	17194069	(G/T)
22030	CakSNP22030	<i>Kabuli</i>	Ca_Kabuli_denovo	17197111	(T/G)
22031	CakSNP22031	<i>Kabuli</i>	Ca_Kabuli_denovo	17197112	(C/T)
22032	CakSNP22032	<i>Kabuli</i>	Ca_Kabuli_denovo	17211956	(G/A)
22033	CakSNP22033	<i>Kabuli</i>	Ca_Kabuli_denovo	17221166	(T/C)
22034	CakSNP22034	<i>Kabuli</i>	Ca_Kabuli_denovo	17222126	(G/T)
22035	CakSNP22035	<i>Kabuli</i>	Ca_Kabuli_denovo	17228590	(A/G)
22036	CakSNP22036	<i>Kabuli</i>	Ca_Kabuli_denovo	17228617	(C/G)
22037	CakSNP22037	<i>Kabuli</i>	Ca_Kabuli_denovo	17229757	(T/C)
22038	CakSNP22038	<i>Kabuli</i>	Ca_Kabuli_denovo	17229851	(A/G)
22039	CakSNP22039	<i>Kabuli</i>	Ca_Kabuli_denovo	17229856	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22040	CakSNP22040	<i>Kabuli</i>	Ca_Kabuli_denovo	17230023	(C/T)
22041	CakSNP22041	<i>Kabuli</i>	Ca_Kabuli_denovo	17232772	(G/A)
22042	CakSNP22042	<i>Kabuli</i>	Ca_Kabuli_denovo	17234123	(C/T)
22043	CakSNP22043	<i>Kabuli</i>	Ca_Kabuli_denovo	17234152	(T/G)
22044	CakSNP22044	<i>Kabuli</i>	Ca_Kabuli_denovo	17234682	(G/A)
22045	CakSNP22045	<i>Kabuli</i>	Ca_Kabuli_denovo	17234713	(C/A)
22046	CakSNP22046	<i>Kabuli</i>	Ca_Kabuli_denovo	17236651	(C/T)
22047	CakSNP22047	<i>Kabuli</i>	Ca_Kabuli_denovo	17236681	(T/C)
22048	CakSNP22048	<i>Kabuli</i>	Ca_Kabuli_denovo	17237146	(A/G)
22049	CakSNP22049	<i>Kabuli</i>	Ca_Kabuli_denovo	17259898	(C/G)
22050	CakSNP22050	<i>Kabuli</i>	Ca_Kabuli_denovo	17263412	(T/G)
22051	CakSNP22051	<i>Kabuli</i>	Ca_Kabuli_denovo	17264715	(G/C)
22052	CakSNP22052	<i>Kabuli</i>	Ca_Kabuli_denovo	17264725	(T/C)
22053	CakSNP22053	<i>Kabuli</i>	Ca_Kabuli_denovo	17264921	(G/A)
22054	CakSNP22054	<i>Kabuli</i>	Ca_Kabuli_denovo	17265470	(A/G)
22055	CakSNP22055	<i>Kabuli</i>	Ca_Kabuli_denovo	17270108	(G/A)
22056	CakSNP22056	<i>Kabuli</i>	Ca_Kabuli_denovo	17275057	(G/A)
22057	CakSNP22057	<i>Kabuli</i>	Ca_Kabuli_denovo	17275063	(A/G)
22058	CakSNP22058	<i>Kabuli</i>	Ca_Kabuli_denovo	17284324	(A/G)
22059	CakSNP22059	<i>Kabuli</i>	Ca_Kabuli_denovo	17286294	(C/T)
22060	CakSNP22060	<i>Kabuli</i>	Ca_Kabuli_denovo	17286314	(A/G)
22061	CakSNP22061	<i>Kabuli</i>	Ca_Kabuli_denovo	17288522	(C/T)
22062	CakSNP22062	<i>Kabuli</i>	Ca_Kabuli_denovo	17288523	(T/C)
22063	CakSNP22063	<i>Kabuli</i>	Ca_Kabuli_denovo	17289626	(T/G)
22064	CakSNP22064	<i>Kabuli</i>	Ca_Kabuli_denovo	17290132	(C/T)
22065	CakSNP22065	<i>Kabuli</i>	Ca_Kabuli_denovo	17291686	(A/C)
22066	CakSNP22066	<i>Kabuli</i>	Ca_Kabuli_denovo	17297188	(C/T)
22067	CakSNP22067	<i>Kabuli</i>	Ca_Kabuli_denovo	17297200	(G/A)
22068	CakSNP22068	<i>Kabuli</i>	Ca_Kabuli_denovo	17309055	(A/G)
22069	CakSNP22069	<i>Kabuli</i>	Ca_Kabuli_denovo	17310208	(T/C)
22070	CakSNP22070	<i>Kabuli</i>	Ca_Kabuli_denovo	17313517	(C/A)
22071	CakSNP22071	<i>Kabuli</i>	Ca_Kabuli_denovo	17313528	(A/C)
22072	CakSNP22072	<i>Kabuli</i>	Ca_Kabuli_denovo	17313529	(G/C)
22073	CakSNP22073	<i>Kabuli</i>	Ca_Kabuli_denovo	17317567	(C/T)
22074	CakSNP22074	<i>Kabuli</i>	Ca_Kabuli_denovo	17318919	(T/G)
22075	CakSNP22075	<i>Kabuli</i>	Ca_Kabuli_denovo	17319872	(C/T)
22076	CakSNP22076	<i>Kabuli</i>	Ca_Kabuli_denovo	17321416	(C/A)
22077	CakSNP22077	<i>Kabuli</i>	Ca_Kabuli_denovo	17330189	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22078	CakSNP22078	<i>Kabuli</i>	Ca_Kabuli_denovo	17330572	(T/G)
22079	CakSNP22079	<i>Kabuli</i>	Ca_Kabuli_denovo	17335969	(T/C)
22080	CakSNP22080	<i>Kabuli</i>	Ca_Kabuli_denovo	17335978	(C/T)
22081	CakSNP22081	<i>Kabuli</i>	Ca_Kabuli_denovo	17336333	(C/T)
22082	CakSNP22082	<i>Kabuli</i>	Ca_Kabuli_denovo	17336409	(T/C)
22083	CakSNP22083	<i>Kabuli</i>	Ca_Kabuli_denovo	17339624	(A/G)
22084	CakSNP22084	<i>Kabuli</i>	Ca_Kabuli_denovo	17347047	(G/T)
22085	CakSNP22085	<i>Kabuli</i>	Ca_Kabuli_denovo	17347065	(G/C)
22086	CakSNP22086	<i>Kabuli</i>	Ca_Kabuli_denovo	17349179	(C/A)
22087	CakSNP22087	<i>Kabuli</i>	Ca_Kabuli_denovo	17350379	(C/T)
22088	CakSNP22088	<i>Kabuli</i>	Ca_Kabuli_denovo	17350403	(G/C)
22089	CakSNP22089	<i>Kabuli</i>	Ca_Kabuli_denovo	17355331	(C/T)
22090	CakSNP22090	<i>Kabuli</i>	Ca_Kabuli_denovo	17355343	(T/G)
22091	CakSNP22091	<i>Kabuli</i>	Ca_Kabuli_denovo	17363326	(A/G)
22092	CakSNP22092	<i>Kabuli</i>	Ca_Kabuli_denovo	17363362	(C/G)
22093	CakSNP22093	<i>Kabuli</i>	Ca_Kabuli_denovo	17363588	(G/C)
22094	CakSNP22094	<i>Kabuli</i>	Ca_Kabuli_denovo	17363607	(G/A)
22095	CakSNP22095	<i>Kabuli</i>	Ca_Kabuli_denovo	17365595	(A/G)
22096	CakSNP22096	<i>Kabuli</i>	Ca_Kabuli_denovo	17367130	(T/G)
22097	CakSNP22097	<i>Kabuli</i>	Ca_Kabuli_denovo	17372448	(G/A)
22098	CakSNP22098	<i>Kabuli</i>	Ca_Kabuli_denovo	17372474	(G/T)
22099	CakSNP22099	<i>Kabuli</i>	Ca_Kabuli_denovo	17374148	(T/C)
22100	CakSNP22100	<i>Kabuli</i>	Ca_Kabuli_denovo	17374150	(G/A)
22101	CakSNP22101	<i>Kabuli</i>	Ca_Kabuli_denovo	17374982	(C/G)
22102	CakSNP22102	<i>Kabuli</i>	Ca_Kabuli_denovo	17383714	(G/C)
22103	CakSNP22103	<i>Kabuli</i>	Ca_Kabuli_denovo	17390158	(C/T)
22104	CakSNP22104	<i>Kabuli</i>	Ca_Kabuli_denovo	17391946	(G/A)
22105	CakSNP22105	<i>Kabuli</i>	Ca_Kabuli_denovo	17392021	(A/G)
22106	CakSNP22106	<i>Kabuli</i>	Ca_Kabuli_denovo	17396458	(G/A)
22107	CakSNP22107	<i>Kabuli</i>	Ca_Kabuli_denovo	17400281	(G/C)
22108	CakSNP22108	<i>Kabuli</i>	Ca_Kabuli_denovo	17418177	(G/A)
22109	CakSNP22109	<i>Kabuli</i>	Ca_Kabuli_denovo	17418195	(G/A)
22110	CakSNP22110	<i>Kabuli</i>	Ca_Kabuli_denovo	17423923	(A/C)
22111	CakSNP22111	<i>Kabuli</i>	Ca_Kabuli_denovo	17425180	(T/A)
22112	CakSNP22112	<i>Kabuli</i>	Ca_Kabuli_denovo	17425534	(G/C)
22113	CakSNP22113	<i>Kabuli</i>	Ca_Kabuli_denovo	17426379	(C/T)
22114	CakSNP22114	<i>Kabuli</i>	Ca_Kabuli_denovo	17427763	(A/G)
22115	CakSNP22115	<i>Kabuli</i>	Ca_Kabuli_denovo	17427807	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22116	CakSNP22116	<i>Kabuli</i>	Ca_Kabuli_denovo	17429423	(A/G)
22117	CakSNP22117	<i>Kabuli</i>	Ca_Kabuli_denovo	17429444	(G/A)
22118	CakSNP22118	<i>Kabuli</i>	Ca_Kabuli_denovo	17432893	(G/A)
22119	CakSNP22119	<i>Kabuli</i>	Ca_Kabuli_denovo	17438905	(A/G)
22120	CakSNP22120	<i>Kabuli</i>	Ca_Kabuli_denovo	17454408	(G/A)
22121	CakSNP22121	<i>Kabuli</i>	Ca_Kabuli_denovo	17454527	(C/G)
22122	CakSNP22122	<i>Kabuli</i>	Ca_Kabuli_denovo	17454584	(G/A)
22123	CakSNP22123	<i>Kabuli</i>	Ca_Kabuli_denovo	17458338	(C/G)
22124	CakSNP22124	<i>Kabuli</i>	Ca_Kabuli_denovo	17458378	(A/C)
22125	CakSNP22125	<i>Kabuli</i>	Ca_Kabuli_denovo	17460854	(C/A)
22126	CakSNP22126	<i>Kabuli</i>	Ca_Kabuli_denovo	17462015	(T/C)
22127	CakSNP22127	<i>Kabuli</i>	Ca_Kabuli_denovo	17462108	(G/T)
22128	CakSNP22128	<i>Kabuli</i>	Ca_Kabuli_denovo	17463999	(T/G)
22129	CakSNP22129	<i>Kabuli</i>	Ca_Kabuli_denovo	17464342	(A/G)
22130	CakSNP22130	<i>Kabuli</i>	Ca_Kabuli_denovo	17465423	(C/T)
22131	CakSNP22131	<i>Kabuli</i>	Ca_Kabuli_denovo	17465429	(A/G)
22132	CakSNP22132	<i>Kabuli</i>	Ca_Kabuli_denovo	17467389	(A/G)
22133	CakSNP22133	<i>Kabuli</i>	Ca_Kabuli_denovo	17468575	(A/T)
22134	CakSNP22134	<i>Kabuli</i>	Ca_Kabuli_denovo	17472963	(C/A)
22135	CakSNP22135	<i>Kabuli</i>	Ca_Kabuli_denovo	17475553	(A/G)
22136	CakSNP22136	<i>Kabuli</i>	Ca_Kabuli_denovo	17475769	(A/C)
22137	CakSNP22137	<i>Kabuli</i>	Ca_Kabuli_denovo	17484863	(A/G)
22138	CakSNP22138	<i>Kabuli</i>	Ca_Kabuli_denovo	17484890	(C/A)
22139	CakSNP22139	<i>Kabuli</i>	Ca_Kabuli_denovo	17490392	(G/A)
22140	CakSNP22140	<i>Kabuli</i>	Ca_Kabuli_denovo	17491797	(C/T)
22141	CakSNP22141	<i>Kabuli</i>	Ca_Kabuli_denovo	17494871	(A/T)
22142	CakSNP22142	<i>Kabuli</i>	Ca_Kabuli_denovo	17495308	(T/C)
22143	CakSNP22143	<i>Kabuli</i>	Ca_Kabuli_denovo	17495506	(A/T)
22144	CakSNP22144	<i>Kabuli</i>	Ca_Kabuli_denovo	17495658	(A/G)
22145	CakSNP22145	<i>Kabuli</i>	Ca_Kabuli_denovo	17495911	(C/A)
22146	CakSNP22146	<i>Kabuli</i>	Ca_Kabuli_denovo	17495980	(C/G)
22147	CakSNP22147	<i>Kabuli</i>	Ca_Kabuli_denovo	17496047	(A/G)
22148	CakSNP22148	<i>Kabuli</i>	Ca_Kabuli_denovo	17496086	(C/T)
22149	CakSNP22149	<i>Kabuli</i>	Ca_Kabuli_denovo	17498540	(G/C)
22150	CakSNP22150	<i>Kabuli</i>	Ca_Kabuli_denovo	17502327	(C/G)
22151	CakSNP22151	<i>Kabuli</i>	Ca_Kabuli_denovo	17502354	(C/T)
22152	CakSNP22152	<i>Kabuli</i>	Ca_Kabuli_denovo	17509865	(C/G)
22153	CakSNP22153	<i>Kabuli</i>	Ca_Kabuli_denovo	17509874	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22154	CakSNP22154	<i>Kabuli</i>	Ca_Kabuli_denovo	17512372	(G/C)
22155	CakSNP22155	<i>Kabuli</i>	Ca_Kabuli_denovo	17512443	(A/G)
22156	CakSNP22156	<i>Kabuli</i>	Ca_Kabuli_denovo	17514272	(T/G)
22157	CakSNP22157	<i>Kabuli</i>	Ca_Kabuli_denovo	17514319	(A/C)
22158	CakSNP22158	<i>Kabuli</i>	Ca_Kabuli_denovo	17515725	(T/C)
22159	CakSNP22159	<i>Kabuli</i>	Ca_Kabuli_denovo	17515728	(A/G)
22160	CakSNP22160	<i>Kabuli</i>	Ca_Kabuli_denovo	17516278	(A/G)
22161	CakSNP22161	<i>Kabuli</i>	Ca_Kabuli_denovo	17517744	(A/G)
22162	CakSNP22162	<i>Kabuli</i>	Ca_Kabuli_denovo	17519081	(A/G)
22163	CakSNP22163	<i>Kabuli</i>	Ca_Kabuli_denovo	17519153	(C/G)
22164	CakSNP22164	<i>Kabuli</i>	Ca_Kabuli_denovo	17522335	(A/G)
22165	CakSNP22165	<i>Kabuli</i>	Ca_Kabuli_denovo	17522341	(C/G)
22166	CakSNP22166	<i>Kabuli</i>	Ca_Kabuli_denovo	17543443	(A/G)
22167	CakSNP22167	<i>Kabuli</i>	Ca_Kabuli_denovo	17554118	(A/G)
22168	CakSNP22168	<i>Kabuli</i>	Ca_Kabuli_denovo	17554879	(G/A)
22169	CakSNP22169	<i>Kabuli</i>	Ca_Kabuli_denovo	17555105	(G/A)
22170	CakSNP22170	<i>Kabuli</i>	Ca_Kabuli_denovo	17555680	(C/T)
22171	CakSNP22171	<i>Kabuli</i>	Ca_Kabuli_denovo	17563276	(A/C)
22172	CakSNP22172	<i>Kabuli</i>	Ca_Kabuli_denovo	17563281	(G/A)
22173	CakSNP22173	<i>Kabuli</i>	Ca_Kabuli_denovo	17568185	(A/G)
22174	CakSNP22174	<i>Kabuli</i>	Ca_Kabuli_denovo	17568195	(A/G)
22175	CakSNP22175	<i>Kabuli</i>	Ca_Kabuli_denovo	17568481	(A/C)
22176	CakSNP22176	<i>Kabuli</i>	Ca_Kabuli_denovo	17568536	(A/G)
22177	CakSNP22177	<i>Kabuli</i>	Ca_Kabuli_denovo	17569512	(C/G)
22178	CakSNP22178	<i>Kabuli</i>	Ca_Kabuli_denovo	17571190	(T/C)
22179	CakSNP22179	<i>Kabuli</i>	Ca_Kabuli_denovo	17575857	(G/C)
22180	CakSNP22180	<i>Kabuli</i>	Ca_Kabuli_denovo	17575861	(A/G)
22181	CakSNP22181	<i>Kabuli</i>	Ca_Kabuli_denovo	17575862	(A/G)
22182	CakSNP22182	<i>Kabuli</i>	Ca_Kabuli_denovo	17575990	(A/G)
22183	CakSNP22183	<i>Kabuli</i>	Ca_Kabuli_denovo	17576348	(T/C)
22184	CakSNP22184	<i>Kabuli</i>	Ca_Kabuli_denovo	17577311	(G/T)
22185	CakSNP22185	<i>Kabuli</i>	Ca_Kabuli_denovo	17577949	(T/G)
22186	CakSNP22186	<i>Kabuli</i>	Ca_Kabuli_denovo	17578019	(C/G)
22187	CakSNP22187	<i>Kabuli</i>	Ca_Kabuli_denovo	17587745	(A/G)
22188	CakSNP22188	<i>Kabuli</i>	Ca_Kabuli_denovo	17587759	(A/G)
22189	CakSNP22189	<i>Kabuli</i>	Ca_Kabuli_denovo	17588013	(C/A)
22190	CakSNP22190	<i>Kabuli</i>	Ca_Kabuli_denovo	17588037	(A/G)
22191	CakSNP22191	<i>Kabuli</i>	Ca_Kabuli_denovo	17588065	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22192	CakSNP22192	<i>Kabuli</i>	Ca_Kabuli_denovo	17589665	(C/T)
22193	CakSNP22193	<i>Kabuli</i>	Ca_Kabuli_denovo	17589862	(C/G)
22194	CakSNP22194	<i>Kabuli</i>	Ca_Kabuli_denovo	17593933	(G/A)
22195	CakSNP22195	<i>Kabuli</i>	Ca_Kabuli_denovo	17593960	(A/G)
22196	CakSNP22196	<i>Kabuli</i>	Ca_Kabuli_denovo	17605730	(G/A)
22197	CakSNP22197	<i>Kabuli</i>	Ca_Kabuli_denovo	17609678	(G/C)
22198	CakSNP22198	<i>Kabuli</i>	Ca_Kabuli_denovo	17609709	(A/G)
22199	CakSNP22199	<i>Kabuli</i>	Ca_Kabuli_denovo	17610652	(A/G)
22200	CakSNP22200	<i>Kabuli</i>	Ca_Kabuli_denovo	17610664	(G/C)
22201	CakSNP22201	<i>Kabuli</i>	Ca_Kabuli_denovo	17610812	(G/A)
22202	CakSNP22202	<i>Kabuli</i>	Ca_Kabuli_denovo	17610820	(C/T)
22203	CakSNP22203	<i>Kabuli</i>	Ca_Kabuli_denovo	17611216	(C/T)
22204	CakSNP22204	<i>Kabuli</i>	Ca_Kabuli_denovo	17611222	(A/G)
22205	CakSNP22205	<i>Kabuli</i>	Ca_Kabuli_denovo	17621283	(C/T)
22206	CakSNP22206	<i>Kabuli</i>	Ca_Kabuli_denovo	17621351	(T/C)
22207	CakSNP22207	<i>Kabuli</i>	Ca_Kabuli_denovo	17625679	(A/G)
22208	CakSNP22208	<i>Kabuli</i>	Ca_Kabuli_denovo	17626513	(T/G)
22209	CakSNP22209	<i>Kabuli</i>	Ca_Kabuli_denovo	17627257	(C/T)
22210	CakSNP22210	<i>Kabuli</i>	Ca_Kabuli_denovo	17634324	(G/T)
22211	CakSNP22211	<i>Kabuli</i>	Ca_Kabuli_denovo	17634364	(G/A)
22212	CakSNP22212	<i>Kabuli</i>	Ca_Kabuli_denovo	17643307	(G/A)
22213	CakSNP22213	<i>Kabuli</i>	Ca_Kabuli_denovo	17645604	(A/G)
22214	CakSNP22214	<i>Kabuli</i>	Ca_Kabuli_denovo	17648275	(C/T)
22215	CakSNP22215	<i>Kabuli</i>	Ca_Kabuli_denovo	17651790	(C/T)
22216	CakSNP22216	<i>Kabuli</i>	Ca_Kabuli_denovo	17651792	(G/C)
22217	CakSNP22217	<i>Kabuli</i>	Ca_Kabuli_denovo	17653212	(C/A)
22218	CakSNP22218	<i>Kabuli</i>	Ca_Kabuli_denovo	17653385	(A/G)
22219	CakSNP22219	<i>Kabuli</i>	Ca_Kabuli_denovo	17653412	(T/C)
22220	CakSNP22220	<i>Kabuli</i>	Ca_Kabuli_denovo	17655910	(G/A)
22221	CakSNP22221	<i>Kabuli</i>	Ca_Kabuli_denovo	17659610	(C/T)
22222	CakSNP22222	<i>Kabuli</i>	Ca_Kabuli_denovo	17660788	(G/T)
22223	CakSNP22223	<i>Kabuli</i>	Ca_Kabuli_denovo	17664464	(G/A)
22224	CakSNP22224	<i>Kabuli</i>	Ca_Kabuli_denovo	17664469	(C/T)
22225	CakSNP22225	<i>Kabuli</i>	Ca_Kabuli_denovo	17667464	(A/C)
22226	CakSNP22226	<i>Kabuli</i>	Ca_Kabuli_denovo	17667796	(C/G)
22227	CakSNP22227	<i>Kabuli</i>	Ca_Kabuli_denovo	17667823	(A/G)
22228	CakSNP22228	<i>Kabuli</i>	Ca_Kabuli_denovo	17668198	(T/C)
22229	CakSNP22229	<i>Kabuli</i>	Ca_Kabuli_denovo	17675941	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22230	CakSNP22230	<i>Kabuli</i>	Ca_Kabuli_denovo	17675953	(C/G)
22231	CakSNP22231	<i>Kabuli</i>	Ca_Kabuli_denovo	17681320	(T/C)
22232	CakSNP22232	<i>Kabuli</i>	Ca_Kabuli_denovo	17686750	(C/T)
22233	CakSNP22233	<i>Kabuli</i>	Ca_Kabuli_denovo	17686802	(C/T)
22234	CakSNP22234	<i>Kabuli</i>	Ca_Kabuli_denovo	17690386	(A/G)
22235	CakSNP22235	<i>Kabuli</i>	Ca_Kabuli_denovo	17690457	(T/G)
22236	CakSNP22236	<i>Kabuli</i>	Ca_Kabuli_denovo	17695830	(T/C)
22237	CakSNP22237	<i>Kabuli</i>	Ca_Kabuli_denovo	17696236	(A/G)
22238	CakSNP22238	<i>Kabuli</i>	Ca_Kabuli_denovo	17703446	(C/T)
22239	CakSNP22239	<i>Kabuli</i>	Ca_Kabuli_denovo	17707089	(T/G)
22240	CakSNP22240	<i>Kabuli</i>	Ca_Kabuli_denovo	17714825	(A/C)
22241	CakSNP22241	<i>Kabuli</i>	Ca_Kabuli_denovo	17719103	(A/C)
22242	CakSNP22242	<i>Kabuli</i>	Ca_Kabuli_denovo	17729630	(G/A)
22243	CakSNP22243	<i>Kabuli</i>	Ca_Kabuli_denovo	17729707	(G/T)
22244	CakSNP22244	<i>Kabuli</i>	Ca_Kabuli_denovo	17730593	(G/C)
22245	CakSNP22245	<i>Kabuli</i>	Ca_Kabuli_denovo	17730605	(A/C)
22246	CakSNP22246	<i>Kabuli</i>	Ca_Kabuli_denovo	17730836	(A/C)
22247	CakSNP22247	<i>Kabuli</i>	Ca_Kabuli_denovo	17737454	(G/A)
22248	CakSNP22248	<i>Kabuli</i>	Ca_Kabuli_denovo	17737466	(A/G)
22249	CakSNP22249	<i>Kabuli</i>	Ca_Kabuli_denovo	17741720	(G/C)
22250	CakSNP22250	<i>Kabuli</i>	Ca_Kabuli_denovo	17743579	(C/T)
22251	CakSNP22251	<i>Kabuli</i>	Ca_Kabuli_denovo	17745440	(T/C)
22252	CakSNP22252	<i>Kabuli</i>	Ca_Kabuli_denovo	17745478	(C/T)
22253	CakSNP22253	<i>Kabuli</i>	Ca_Kabuli_denovo	17746537	(T/G)
22254	CakSNP22254	<i>Kabuli</i>	Ca_Kabuli_denovo	17749390	(C/G)
22255	CakSNP22255	<i>Kabuli</i>	Ca_Kabuli_denovo	17749399	(T/C)
22256	CakSNP22256	<i>Kabuli</i>	Ca_Kabuli_denovo	17753739	(T/A)
22257	CakSNP22257	<i>Kabuli</i>	Ca_Kabuli_denovo	17760588	(A/G)
22258	CakSNP22258	<i>Kabuli</i>	Ca_Kabuli_denovo	17760620	(C/T)
22259	CakSNP22259	<i>Kabuli</i>	Ca_Kabuli_denovo	17760650	(T/G)
22260	CakSNP22260	<i>Kabuli</i>	Ca_Kabuli_denovo	17761956	(G/A)
22261	CakSNP22261	<i>Kabuli</i>	Ca_Kabuli_denovo	17765524	(G/T)
22262	CakSNP22262	<i>Kabuli</i>	Ca_Kabuli_denovo	17765543	(G/C)
22263	CakSNP22263	<i>Kabuli</i>	Ca_Kabuli_denovo	17781649	(G/C)
22264	CakSNP22264	<i>Kabuli</i>	Ca_Kabuli_denovo	17785598	(G/C)
22265	CakSNP22265	<i>Kabuli</i>	Ca_Kabuli_denovo	17785614	(T/G)
22266	CakSNP22266	<i>Kabuli</i>	Ca_Kabuli_denovo	17785643	(T/C)
22267	CakSNP22267	<i>Kabuli</i>	Ca_Kabuli_denovo	17787071	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22268	CakSNP22268	<i>Kabuli</i>	Ca_Kabuli_denovo	17790731	(G/A)
22269	CakSNP22269	<i>Kabuli</i>	Ca_Kabuli_denovo	17792770	(C/T)
22270	CakSNP22270	<i>Kabuli</i>	Ca_Kabuli_denovo	17792777	(G/A)
22271	CakSNP22271	<i>Kabuli</i>	Ca_Kabuli_denovo	17792957	(C/T)
22272	CakSNP22272	<i>Kabuli</i>	Ca_Kabuli_denovo	17792964	(G/A)
22273	CakSNP22273	<i>Kabuli</i>	Ca_Kabuli_denovo	17809880	(T/C)
22274	CakSNP22274	<i>Kabuli</i>	Ca_Kabuli_denovo	17809913	(G/A)
22275	CakSNP22275	<i>Kabuli</i>	Ca_Kabuli_denovo	17813020	(G/A)
22276	CakSNP22276	<i>Kabuli</i>	Ca_Kabuli_denovo	17813023	(C/G)
22277	CakSNP22277	<i>Kabuli</i>	Ca_Kabuli_denovo	17814716	(C/T)
22278	CakSNP22278	<i>Kabuli</i>	Ca_Kabuli_denovo	17814788	(C/G)
22279	CakSNP22279	<i>Kabuli</i>	Ca_Kabuli_denovo	17818318	(C/A)
22280	CakSNP22280	<i>Kabuli</i>	Ca_Kabuli_denovo	17830073	(C/T)
22281	CakSNP22281	<i>Kabuli</i>	Ca_Kabuli_denovo	17831657	(A/G)
22282	CakSNP22282	<i>Kabuli</i>	Ca_Kabuli_denovo	17831663	(G/T)
22283	CakSNP22283	<i>Kabuli</i>	Ca_Kabuli_denovo	17832301	(G/A)
22284	CakSNP22284	<i>Kabuli</i>	Ca_Kabuli_denovo	17832314	(G/A)
22285	CakSNP22285	<i>Kabuli</i>	Ca_Kabuli_denovo	17837354	(T/C)
22286	CakSNP22286	<i>Kabuli</i>	Ca_Kabuli_denovo	17838454	(G/A)
22287	CakSNP22287	<i>Kabuli</i>	Ca_Kabuli_denovo	17844685	(A/C)
22288	CakSNP22288	<i>Kabuli</i>	Ca_Kabuli_denovo	17844706	(T/C)
22289	CakSNP22289	<i>Kabuli</i>	Ca_Kabuli_denovo	17846171	(C/T)
22290	CakSNP22290	<i>Kabuli</i>	Ca_Kabuli_denovo	17846249	(A/G)
22291	CakSNP22291	<i>Kabuli</i>	Ca_Kabuli_denovo	17846303	(C/T)
22292	CakSNP22292	<i>Kabuli</i>	Ca_Kabuli_denovo	17848306	(T/C)
22293	CakSNP22293	<i>Kabuli</i>	Ca_Kabuli_denovo	17852659	(G/A)
22294	CakSNP22294	<i>Kabuli</i>	Ca_Kabuli_denovo	17863496	(T/C)
22295	CakSNP22295	<i>Kabuli</i>	Ca_Kabuli_denovo	17863520	(G/C)
22296	CakSNP22296	<i>Kabuli</i>	Ca_Kabuli_denovo	17864834	(C/G)
22297	CakSNP22297	<i>Kabuli</i>	Ca_Kabuli_denovo	17865968	(T/C)
22298	CakSNP22298	<i>Kabuli</i>	Ca_Kabuli_denovo	17866529	(C/G)
22299	CakSNP22299	<i>Kabuli</i>	Ca_Kabuli_denovo	17870735	(G/A)
22300	CakSNP22300	<i>Kabuli</i>	Ca_Kabuli_denovo	17870747	(A/G)
22301	CakSNP22301	<i>Kabuli</i>	Ca_Kabuli_denovo	17871285	(G/A)
22302	CakSNP22302	<i>Kabuli</i>	Ca_Kabuli_denovo	17871294	(C/T)
22303	CakSNP22303	<i>Kabuli</i>	Ca_Kabuli_denovo	17872306	(A/C)
22304	CakSNP22304	<i>Kabuli</i>	Ca_Kabuli_denovo	17872945	(A/T)
22305	CakSNP22305	<i>Kabuli</i>	Ca_Kabuli_denovo	17872976	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22306	CakSNP22306	<i>Kabuli</i>	Ca_Kabuli_denovo	17884474	(T/G)
22307	CakSNP22307	<i>Kabuli</i>	Ca_Kabuli_denovo	17889232	(G/C)
22308	CakSNP22308	<i>Kabuli</i>	Ca_Kabuli_denovo	17889257	(A/G)
22309	CakSNP22309	<i>Kabuli</i>	Ca_Kabuli_denovo	17891779	(T/C)
22310	CakSNP22310	<i>Kabuli</i>	Ca_Kabuli_denovo	17892202	(T/C)
22311	CakSNP22311	<i>Kabuli</i>	Ca_Kabuli_denovo	17901128	(C/T)
22312	CakSNP22312	<i>Kabuli</i>	Ca_Kabuli_denovo	17901641	(A/G)
22313	CakSNP22313	<i>Kabuli</i>	Ca_Kabuli_denovo	17901648	(T/A)
22314	CakSNP22314	<i>Kabuli</i>	Ca_Kabuli_denovo	17910343	(A/G)
22315	CakSNP22315	<i>Kabuli</i>	Ca_Kabuli_denovo	17910397	(A/C)
22316	CakSNP22316	<i>Kabuli</i>	Ca_Kabuli_denovo	17913667	(A/G)
22317	CakSNP22317	<i>Kabuli</i>	Ca_Kabuli_denovo	17913745	(T/C)
22318	CakSNP22318	<i>Kabuli</i>	Ca_Kabuli_denovo	17919055	(A/C)
22319	CakSNP22319	<i>Kabuli</i>	Ca_Kabuli_denovo	17925237	(G/A)
22320	CakSNP22320	<i>Kabuli</i>	Ca_Kabuli_denovo	17925240	(T/G)
22321	CakSNP22321	<i>Kabuli</i>	Ca_Kabuli_denovo	17928555	(G/T)
22322	CakSNP22322	<i>Kabuli</i>	Ca_Kabuli_denovo	17928573	(C/G)
22323	CakSNP22323	<i>Kabuli</i>	Ca_Kabuli_denovo	17932364	(C/T)
22324	CakSNP22324	<i>Kabuli</i>	Ca_Kabuli_denovo	17935615	(C/A)
22325	CakSNP22325	<i>Kabuli</i>	Ca_Kabuli_denovo	17935649	(T/G)
22326	CakSNP22326	<i>Kabuli</i>	Ca_Kabuli_denovo	17935692	(C/T)
22327	CakSNP22327	<i>Kabuli</i>	Ca_Kabuli_denovo	17935701	(A/G)
22328	CakSNP22328	<i>Kabuli</i>	Ca_Kabuli_denovo	17942231	(A/G)
22329	CakSNP22329	<i>Kabuli</i>	Ca_Kabuli_denovo	17949666	(A/G)
22330	CakSNP22330	<i>Kabuli</i>	Ca_Kabuli_denovo	17950774	(A/G)
22331	CakSNP22331	<i>Kabuli</i>	Ca_Kabuli_denovo	17957321	(C/A)
22332	CakSNP22332	<i>Kabuli</i>	Ca_Kabuli_denovo	17957334	(C/G)
22333	CakSNP22333	<i>Kabuli</i>	Ca_Kabuli_denovo	17963997	(T/G)
22334	CakSNP22334	<i>Kabuli</i>	Ca_Kabuli_denovo	17968728	(G/A)
22335	CakSNP22335	<i>Kabuli</i>	Ca_Kabuli_denovo	17969758	(G/C)
22336	CakSNP22336	<i>Kabuli</i>	Ca_Kabuli_denovo	17971133	(G/C)
22337	CakSNP22337	<i>Kabuli</i>	Ca_Kabuli_denovo	17971802	(G/T)
22338	CakSNP22338	<i>Kabuli</i>	Ca_Kabuli_denovo	17971807	(G/C)
22339	CakSNP22339	<i>Kabuli</i>	Ca_Kabuli_denovo	17972205	(A/G)
22340	CakSNP22340	<i>Kabuli</i>	Ca_Kabuli_denovo	17974116	(G/A)
22341	CakSNP22341	<i>Kabuli</i>	Ca_Kabuli_denovo	17974129	(C/T)
22342	CakSNP22342	<i>Kabuli</i>	Ca_Kabuli_denovo	17985164	(C/T)
22343	CakSNP22343	<i>Kabuli</i>	Ca_Kabuli_denovo	17986886	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22344	CakSNP22344	<i>Kabuli</i>	Ca_Kabuli_denovo	17991233	(C/G)
22345	CakSNP22345	<i>Kabuli</i>	Ca_Kabuli_denovo	17991279	(G/T)
22346	CakSNP22346	<i>Kabuli</i>	Ca_Kabuli_denovo	17999993	(A/G)
22347	CakSNP22347	<i>Kabuli</i>	Ca_Kabuli_denovo	18000376	(T/C)
22348	CakSNP22348	<i>Kabuli</i>	Ca_Kabuli_denovo	18009494	(G/A)
22349	CakSNP22349	<i>Kabuli</i>	Ca_Kabuli_denovo	18009530	(G/A)
22350	CakSNP22350	<i>Kabuli</i>	Ca_Kabuli_denovo	18015260	(C/T)
22351	CakSNP22351	<i>Kabuli</i>	Ca_Kabuli_denovo	18015266	(T/C)
22352	CakSNP22352	<i>Kabuli</i>	Ca_Kabuli_denovo	18019036	(G/T)
22353	CakSNP22353	<i>Kabuli</i>	Ca_Kabuli_denovo	18019054	(G/C)
22354	CakSNP22354	<i>Kabuli</i>	Ca_Kabuli_denovo	18021175	(A/C)
22355	CakSNP22355	<i>Kabuli</i>	Ca_Kabuli_denovo	18021208	(C/T)
22356	CakSNP22356	<i>Kabuli</i>	Ca_Kabuli_denovo	18022504	(A/G)
22357	CakSNP22357	<i>Kabuli</i>	Ca_Kabuli_denovo	18030218	(A/G)
22358	CakSNP22358	<i>Kabuli</i>	Ca_Kabuli_denovo	18030245	(G/C)
22359	CakSNP22359	<i>Kabuli</i>	Ca_Kabuli_denovo	18045236	(A/G)
22360	CakSNP22360	<i>Kabuli</i>	Ca_Kabuli_denovo	18045254	(G/C)
22361	CakSNP22361	<i>Kabuli</i>	Ca_Kabuli_denovo	18049288	(A/G)
22362	CakSNP22362	<i>Kabuli</i>	Ca_Kabuli_denovo	18057460	(A/G)
22363	CakSNP22363	<i>Kabuli</i>	Ca_Kabuli_denovo	18057493	(A/G)
22364	CakSNP22364	<i>Kabuli</i>	Ca_Kabuli_denovo	18062095	(T/C)
22365	CakSNP22365	<i>Kabuli</i>	Ca_Kabuli_denovo	18062116	(C/T)
22366	CakSNP22366	<i>Kabuli</i>	Ca_Kabuli_denovo	18063677	(T/G)
22367	CakSNP22367	<i>Kabuli</i>	Ca_Kabuli_denovo	18065873	(T/G)
22368	CakSNP22368	<i>Kabuli</i>	Ca_Kabuli_denovo	18073526	(A/C)
22369	CakSNP22369	<i>Kabuli</i>	Ca_Kabuli_denovo	18073553	(C/T)
22370	CakSNP22370	<i>Kabuli</i>	Ca_Kabuli_denovo	18075293	(G/C)
22371	CakSNP22371	<i>Kabuli</i>	Ca_Kabuli_denovo	18078197	(G/A)
22372	CakSNP22372	<i>Kabuli</i>	Ca_Kabuli_denovo	18078269	(C/T)
22373	CakSNP22373	<i>Kabuli</i>	Ca_Kabuli_denovo	18085071	(C/T)
22374	CakSNP22374	<i>Kabuli</i>	Ca_Kabuli_denovo	18086849	(A/C)
22375	CakSNP22375	<i>Kabuli</i>	Ca_Kabuli_denovo	18095969	(C/T)
22376	CakSNP22376	<i>Kabuli</i>	Ca_Kabuli_denovo	18096648	(T/C)
22377	CakSNP22377	<i>Kabuli</i>	Ca_Kabuli_denovo	18100045	(T/C)
22378	CakSNP22378	<i>Kabuli</i>	Ca_Kabuli_denovo	18100062	(G/C)
22379	CakSNP22379	<i>Kabuli</i>	Ca_Kabuli_denovo	18109396	(C/A)
22380	CakSNP22380	<i>Kabuli</i>	Ca_Kabuli_denovo	18109402	(T/C)
22381	CakSNP22381	<i>Kabuli</i>	Ca_Kabuli_denovo	18111873	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22382	CakSNP22382	<i>Kabuli</i>	Ca_Kabuli_denovo	18111898	(C/T)
22383	CakSNP22383	<i>Kabuli</i>	Ca_Kabuli_denovo	18113153	(C/A)
22384	CakSNP22384	<i>Kabuli</i>	Ca_Kabuli_denovo	18113171	(G/A)
22385	CakSNP22385	<i>Kabuli</i>	Ca_Kabuli_denovo	18113367	(C/A)
22386	CakSNP22386	<i>Kabuli</i>	Ca_Kabuli_denovo	18113809	(G/A)
22387	CakSNP22387	<i>Kabuli</i>	Ca_Kabuli_denovo	18115789	(T/A)
22388	CakSNP22388	<i>Kabuli</i>	Ca_Kabuli_denovo	18115810	(G/C)
22389	CakSNP22389	<i>Kabuli</i>	Ca_Kabuli_denovo	18116597	(T/C)
22390	CakSNP22390	<i>Kabuli</i>	Ca_Kabuli_denovo	18116666	(A/T)
22391	CakSNP22391	<i>Kabuli</i>	Ca_Kabuli_denovo	18118195	(T/G)
22392	CakSNP22392	<i>Kabuli</i>	Ca_Kabuli_denovo	18120678	(A/C)
22393	CakSNP22393	<i>Kabuli</i>	Ca_Kabuli_denovo	18126053	(T/C)
22394	CakSNP22394	<i>Kabuli</i>	Ca_Kabuli_denovo	18127484	(G/C)
22395	CakSNP22395	<i>Kabuli</i>	Ca_Kabuli_denovo	18130665	(G/A)
22396	CakSNP22396	<i>Kabuli</i>	Ca_Kabuli_denovo	18131139	(C/A)
22397	CakSNP22397	<i>Kabuli</i>	Ca_Kabuli_denovo	18131168	(G/A)
22398	CakSNP22398	<i>Kabuli</i>	Ca_Kabuli_denovo	18132154	(A/G)
22399	CakSNP22399	<i>Kabuli</i>	Ca_Kabuli_denovo	18136870	(T/G)
22400	CakSNP22400	<i>Kabuli</i>	Ca_Kabuli_denovo	18136875	(G/C)
22401	CakSNP22401	<i>Kabuli</i>	Ca_Kabuli_denovo	18143261	(C/T)
22402	CakSNP22402	<i>Kabuli</i>	Ca_Kabuli_denovo	18145646	(T/C)
22403	CakSNP22403	<i>Kabuli</i>	Ca_Kabuli_denovo	18145676	(C/T)
22404	CakSNP22404	<i>Kabuli</i>	Ca_Kabuli_denovo	18150116	(A/G)
22405	CakSNP22405	<i>Kabuli</i>	Ca_Kabuli_denovo	18150140	(G/T)
22406	CakSNP22406	<i>Kabuli</i>	Ca_Kabuli_denovo	18152696	(G/C)
22407	CakSNP22407	<i>Kabuli</i>	Ca_Kabuli_denovo	18155798	(A/G)
22408	CakSNP22408	<i>Kabuli</i>	Ca_Kabuli_denovo	18155801	(A/G)
22409	CakSNP22409	<i>Kabuli</i>	Ca_Kabuli_denovo	18157850	(A/C)
22410	CakSNP22410	<i>Kabuli</i>	Ca_Kabuli_denovo	18159030	(C/T)
22411	CakSNP22411	<i>Kabuli</i>	Ca_Kabuli_denovo	18161129	(C/G)
22412	CakSNP22412	<i>Kabuli</i>	Ca_Kabuli_denovo	18164824	(T/A)
22413	CakSNP22413	<i>Kabuli</i>	Ca_Kabuli_denovo	18166118	(G/C)
22414	CakSNP22414	<i>Kabuli</i>	Ca_Kabuli_denovo	18166365	(T/C)
22415	CakSNP22415	<i>Kabuli</i>	Ca_Kabuli_denovo	18166405	(G/A)
22416	CakSNP22416	<i>Kabuli</i>	Ca_Kabuli_denovo	18167705	(A/T)
22417	CakSNP22417	<i>Kabuli</i>	Ca_Kabuli_denovo	18169954	(C/T)
22418	CakSNP22418	<i>Kabuli</i>	Ca_Kabuli_denovo	18170385	(A/G)
22419	CakSNP22419	<i>Kabuli</i>	Ca_Kabuli_denovo	18173531	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22420	CakSNP22420	<i>Kabuli</i>	Ca_Kabuli_denovo	18178644	(G/T)
22421	CakSNP22421	<i>Kabuli</i>	Ca_Kabuli_denovo	18178846	(C/T)
22422	CakSNP22422	<i>Kabuli</i>	Ca_Kabuli_denovo	18183712	(T/G)
22423	CakSNP22423	<i>Kabuli</i>	Ca_Kabuli_denovo	18185898	(T/C)
22424	CakSNP22424	<i>Kabuli</i>	Ca_Kabuli_denovo	18185916	(A/G)
22425	CakSNP22425	<i>Kabuli</i>	Ca_Kabuli_denovo	18196616	(T/C)
22426	CakSNP22426	<i>Kabuli</i>	Ca_Kabuli_denovo	18196660	(G/C)
22427	CakSNP22427	<i>Kabuli</i>	Ca_Kabuli_denovo	18199026	(C/T)
22428	CakSNP22428	<i>Kabuli</i>	Ca_Kabuli_denovo	18209704	(G/A)
22429	CakSNP22429	<i>Kabuli</i>	Ca_Kabuli_denovo	18209734	(A/C)
22430	CakSNP22430	<i>Kabuli</i>	Ca_Kabuli_denovo	18214361	(T/C)
22431	CakSNP22431	<i>Kabuli</i>	Ca_Kabuli_denovo	18214422	(A/C)
22432	CakSNP22432	<i>Kabuli</i>	Ca_Kabuli_denovo	18214627	(C/G)
22433	CakSNP22433	<i>Kabuli</i>	Ca_Kabuli_denovo	18214630	(C/T)
22434	CakSNP22434	<i>Kabuli</i>	Ca_Kabuli_denovo	18215680	(A/T)
22435	CakSNP22435	<i>Kabuli</i>	Ca_Kabuli_denovo	18215725	(G/A)
22436	CakSNP22436	<i>Kabuli</i>	Ca_Kabuli_denovo	18225599	(A/G)
22437	CakSNP22437	<i>Kabuli</i>	Ca_Kabuli_denovo	18225626	(G/A)
22438	CakSNP22438	<i>Kabuli</i>	Ca_Kabuli_denovo	18226822	(C/T)
22439	CakSNP22439	<i>Kabuli</i>	Ca_Kabuli_denovo	18229442	(C/A)
22440	CakSNP22440	<i>Kabuli</i>	Ca_Kabuli_denovo	18232712	(C/T)
22441	CakSNP22441	<i>Kabuli</i>	Ca_Kabuli_denovo	18232715	(A/G)
22442	CakSNP22442	<i>Kabuli</i>	Ca_Kabuli_denovo	18240760	(G/C)
22443	CakSNP22443	<i>Kabuli</i>	Ca_Kabuli_denovo	18240772	(C/T)
22444	CakSNP22444	<i>Kabuli</i>	Ca_Kabuli_denovo	18244217	(G/C)
22445	CakSNP22445	<i>Kabuli</i>	Ca_Kabuli_denovo	18244244	(A/G)
22446	CakSNP22446	<i>Kabuli</i>	Ca_Kabuli_denovo	18249035	(G/T)
22447	CakSNP22447	<i>Kabuli</i>	Ca_Kabuli_denovo	18254434	(C/G)
22448	CakSNP22448	<i>Kabuli</i>	Ca_Kabuli_denovo	18254479	(A/G)
22449	CakSNP22449	<i>Kabuli</i>	Ca_Kabuli_denovo	18255571	(T/C)
22450	CakSNP22450	<i>Kabuli</i>	Ca_Kabuli_denovo	18255580	(G/T)
22451	CakSNP22451	<i>Kabuli</i>	Ca_Kabuli_denovo	18255938	(T/C)
22452	CakSNP22452	<i>Kabuli</i>	Ca_Kabuli_denovo	18259685	(T/C)
22453	CakSNP22453	<i>Kabuli</i>	Ca_Kabuli_denovo	18259712	(G/C)
22454	CakSNP22454	<i>Kabuli</i>	Ca_Kabuli_denovo	18260199	(G/A)
22455	CakSNP22455	<i>Kabuli</i>	Ca_Kabuli_denovo	18260208	(A/C)
22456	CakSNP22456	<i>Kabuli</i>	Ca_Kabuli_denovo	18268558	(T/G)
22457	CakSNP22457	<i>Kabuli</i>	Ca_Kabuli_denovo	18268564	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22458	CakSNP22458	<i>Kabuli</i>	Ca_Kabuli_denovo	18269034	(A/G)
22459	CakSNP22459	<i>Kabuli</i>	Ca_Kabuli_denovo	18270676	(T/C)
22460	CakSNP22460	<i>Kabuli</i>	Ca_Kabuli_denovo	18270688	(T/G)
22461	CakSNP22461	<i>Kabuli</i>	Ca_Kabuli_denovo	18270828	(G/A)
22462	CakSNP22462	<i>Kabuli</i>	Ca_Kabuli_denovo	18270846	(C/G)
22463	CakSNP22463	<i>Kabuli</i>	Ca_Kabuli_denovo	18274147	(T/C)
22464	CakSNP22464	<i>Kabuli</i>	Ca_Kabuli_denovo	18275905	(T/C)
22465	CakSNP22465	<i>Kabuli</i>	Ca_Kabuli_denovo	18276932	(A/G)
22466	CakSNP22466	<i>Kabuli</i>	Ca_Kabuli_denovo	18279539	(C/T)
22467	CakSNP22467	<i>Kabuli</i>	Ca_Kabuli_denovo	18284434	(G/A)
22468	CakSNP22468	<i>Kabuli</i>	Ca_Kabuli_denovo	18284503	(G/C)
22469	CakSNP22469	<i>Kabuli</i>	Ca_Kabuli_denovo	18288645	(T/C)
22470	CakSNP22470	<i>Kabuli</i>	Ca_Kabuli_denovo	18292460	(G/A)
22471	CakSNP22471	<i>Kabuli</i>	Ca_Kabuli_denovo	18293034	(A/G)
22472	CakSNP22472	<i>Kabuli</i>	Ca_Kabuli_denovo	18303244	(T/C)
22473	CakSNP22473	<i>Kabuli</i>	Ca_Kabuli_denovo	18312877	(G/A)
22474	CakSNP22474	<i>Kabuli</i>	Ca_Kabuli_denovo	18315388	(T/C)
22475	CakSNP22475	<i>Kabuli</i>	Ca_Kabuli_denovo	18326563	(C/G)
22476	CakSNP22476	<i>Kabuli</i>	Ca_Kabuli_denovo	18326575	(C/T)
22477	CakSNP22477	<i>Kabuli</i>	Ca_Kabuli_denovo	18326977	(G/A)
22478	CakSNP22478	<i>Kabuli</i>	Ca_Kabuli_denovo	18330217	(T/C)
22479	CakSNP22479	<i>Kabuli</i>	Ca_Kabuli_denovo	18330247	(C/T)
22480	CakSNP22480	<i>Kabuli</i>	Ca_Kabuli_denovo	18349380	(C/G)
22481	CakSNP22481	<i>Kabuli</i>	Ca_Kabuli_denovo	18351620	(T/G)
22482	CakSNP22482	<i>Kabuli</i>	Ca_Kabuli_denovo	18352549	(T/C)
22483	CakSNP22483	<i>Kabuli</i>	Ca_Kabuli_denovo	18352558	(A/C)
22484	CakSNP22484	<i>Kabuli</i>	Ca_Kabuli_denovo	18354146	(A/G)
22485	CakSNP22485	<i>Kabuli</i>	Ca_Kabuli_denovo	18354163	(T/C)
22486	CakSNP22486	<i>Kabuli</i>	Ca_Kabuli_denovo	18357472	(A/G)
22487	CakSNP22487	<i>Kabuli</i>	Ca_Kabuli_denovo	18368995	(G/A)
22488	CakSNP22488	<i>Kabuli</i>	Ca_Kabuli_denovo	18369476	(G/T)
22489	CakSNP22489	<i>Kabuli</i>	Ca_Kabuli_denovo	18369482	(T/C)
22490	CakSNP22490	<i>Kabuli</i>	Ca_Kabuli_denovo	18371972	(A/C)
22491	CakSNP22491	<i>Kabuli</i>	Ca_Kabuli_denovo	18371974	(T/C)
22492	CakSNP22492	<i>Kabuli</i>	Ca_Kabuli_denovo	18378184	(A/G)
22493	CakSNP22493	<i>Kabuli</i>	Ca_Kabuli_denovo	18378189	(G/A)
22494	CakSNP22494	<i>Kabuli</i>	Ca_Kabuli_denovo	18379267	(G/A)
22495	CakSNP22495	<i>Kabuli</i>	Ca_Kabuli_denovo	18380355	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22496	CakSNP22496	<i>Kabuli</i>	Ca_Kabuli_denovo	18382345	(G/C)
22497	CakSNP22497	<i>Kabuli</i>	Ca_Kabuli_denovo	18383189	(C/T)
22498	CakSNP22498	<i>Kabuli</i>	Ca_Kabuli_denovo	18387158	(T/C)
22499	CakSNP22499	<i>Kabuli</i>	Ca_Kabuli_denovo	18387172	(G/A)
22500	CakSNP22500	<i>Kabuli</i>	Ca_Kabuli_denovo	18395703	(G/A)
22501	CakSNP22501	<i>Kabuli</i>	Ca_Kabuli_denovo	18399965	(G/C)
22502	CakSNP22502	<i>Kabuli</i>	Ca_Kabuli_denovo	18399994	(T/C)
22503	CakSNP22503	<i>Kabuli</i>	Ca_Kabuli_denovo	18400927	(G/C)
22504	CakSNP22504	<i>Kabuli</i>	Ca_Kabuli_denovo	18400934	(G/A)
22505	CakSNP22505	<i>Kabuli</i>	Ca_Kabuli_denovo	18411242	(T/C)
22506	CakSNP22506	<i>Kabuli</i>	Ca_Kabuli_denovo	18411256	(G/A)
22507	CakSNP22507	<i>Kabuli</i>	Ca_Kabuli_denovo	18416998	(G/C)
22508	CakSNP22508	<i>Kabuli</i>	Ca_Kabuli_denovo	18416999	(C/G)
22509	CakSNP22509	<i>Kabuli</i>	Ca_Kabuli_denovo	18417740	(C/G)
22510	CakSNP22510	<i>Kabuli</i>	Ca_Kabuli_denovo	18417754	(T/C)
22511	CakSNP22511	<i>Kabuli</i>	Ca_Kabuli_denovo	18423214	(C/T)
22512	CakSNP22512	<i>Kabuli</i>	Ca_Kabuli_denovo	18423619	(C/T)
22513	CakSNP22513	<i>Kabuli</i>	Ca_Kabuli_denovo	18423628	(T/C)
22514	CakSNP22514	<i>Kabuli</i>	Ca_Kabuli_denovo	18423994	(G/A)
22515	CakSNP22515	<i>Kabuli</i>	Ca_Kabuli_denovo	18428416	(G/T)
22516	CakSNP22516	<i>Kabuli</i>	Ca_Kabuli_denovo	18429367	(T/G)
22517	CakSNP22517	<i>Kabuli</i>	Ca_Kabuli_denovo	18429383	(A/G)
22518	CakSNP22518	<i>Kabuli</i>	Ca_Kabuli_denovo	18432130	(T/C)
22519	CakSNP22519	<i>Kabuli</i>	Ca_Kabuli_denovo	18432188	(T/C)
22520	CakSNP22520	<i>Kabuli</i>	Ca_Kabuli_denovo	18437366	(C/A)
22521	CakSNP22521	<i>Kabuli</i>	Ca_Kabuli_denovo	18438204	(A/G)
22522	CakSNP22522	<i>Kabuli</i>	Ca_Kabuli_denovo	18440440	(G/A)
22523	CakSNP22523	<i>Kabuli</i>	Ca_Kabuli_denovo	18451604	(G/A)
22524	CakSNP22524	<i>Kabuli</i>	Ca_Kabuli_denovo	18451622	(C/A)
22525	CakSNP22525	<i>Kabuli</i>	Ca_Kabuli_denovo	18455332	(G/A)
22526	CakSNP22526	<i>Kabuli</i>	Ca_Kabuli_denovo	18455350	(C/A)
22527	CakSNP22527	<i>Kabuli</i>	Ca_Kabuli_denovo	18455356	(T/C)
22528	CakSNP22528	<i>Kabuli</i>	Ca_Kabuli_denovo	18459497	(C/G)
22529	CakSNP22529	<i>Kabuli</i>	Ca_Kabuli_denovo	18462101	(A/C)
22530	CakSNP22530	<i>Kabuli</i>	Ca_Kabuli_denovo	18464620	(A/G)
22531	CakSNP22531	<i>Kabuli</i>	Ca_Kabuli_denovo	18464648	(G/A)
22532	CakSNP22532	<i>Kabuli</i>	Ca_Kabuli_denovo	18466527	(G/C)
22533	CakSNP22533	<i>Kabuli</i>	Ca_Kabuli_denovo	18466539	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22534	CakSNP22534	<i>Kabuli</i>	Ca_Kabuli_denovo	18469553	(G/T)
22535	CakSNP22535	<i>Kabuli</i>	Ca_Kabuli_denovo	18470860	(T/C)
22536	CakSNP22536	<i>Kabuli</i>	Ca_Kabuli_denovo	18474096	(A/G)
22537	CakSNP22537	<i>Kabuli</i>	Ca_Kabuli_denovo	18476944	(T/G)
22538	CakSNP22538	<i>Kabuli</i>	Ca_Kabuli_denovo	18477935	(A/G)
22539	CakSNP22539	<i>Kabuli</i>	Ca_Kabuli_denovo	18479017	(G/C)
22540	CakSNP22540	<i>Kabuli</i>	Ca_Kabuli_denovo	18484876	(C/T)
22541	CakSNP22541	<i>Kabuli</i>	Ca_Kabuli_denovo	18492425	(G/C)
22542	CakSNP22542	<i>Kabuli</i>	Ca_Kabuli_denovo	18492458	(A/G)
22543	CakSNP22543	<i>Kabuli</i>	Ca_Kabuli_denovo	18492911	(G/C)
22544	CakSNP22544	<i>Kabuli</i>	Ca_Kabuli_denovo	18497528	(G/A)
22545	CakSNP22545	<i>Kabuli</i>	Ca_Kabuli_denovo	18497537	(T/C)
22546	CakSNP22546	<i>Kabuli</i>	Ca_Kabuli_denovo	18501632	(G/A)
22547	CakSNP22547	<i>Kabuli</i>	Ca_Kabuli_denovo	18501638	(G/A)
22548	CakSNP22548	<i>Kabuli</i>	Ca_Kabuli_denovo	18504613	(C/A)
22549	CakSNP22549	<i>Kabuli</i>	Ca_Kabuli_denovo	18509084	(C/T)
22550	CakSNP22550	<i>Kabuli</i>	Ca_Kabuli_denovo	18512044	(A/C)
22551	CakSNP22551	<i>Kabuli</i>	Ca_Kabuli_denovo	18512047	(G/A)
22552	CakSNP22552	<i>Kabuli</i>	Ca_Kabuli_denovo	18512138	(A/G)
22553	CakSNP22553	<i>Kabuli</i>	Ca_Kabuli_denovo	18515042	(A/G)
22554	CakSNP22554	<i>Kabuli</i>	Ca_Kabuli_denovo	18518254	(A/C)
22555	CakSNP22555	<i>Kabuli</i>	Ca_Kabuli_denovo	18520034	(C/G)
22556	CakSNP22556	<i>Kabuli</i>	Ca_Kabuli_denovo	18520055	(T/C)
22557	CakSNP22557	<i>Kabuli</i>	Ca_Kabuli_denovo	18524435	(C/T)
22558	CakSNP22558	<i>Kabuli</i>	Ca_Kabuli_denovo	18524445	(A/C)
22559	CakSNP22559	<i>Kabuli</i>	Ca_Kabuli_denovo	18524597	(C/G)
22560	CakSNP22560	<i>Kabuli</i>	Ca_Kabuli_denovo	18529410	(T/C)
22561	CakSNP22561	<i>Kabuli</i>	Ca_Kabuli_denovo	18539598	(C/A)
22562	CakSNP22562	<i>Kabuli</i>	Ca_Kabuli_denovo	18542780	(T/A)
22563	CakSNP22563	<i>Kabuli</i>	Ca_Kabuli_denovo	18543466	(C/G)
22564	CakSNP22564	<i>Kabuli</i>	Ca_Kabuli_denovo	18543550	(G/T)
22565	CakSNP22565	<i>Kabuli</i>	Ca_Kabuli_denovo	18543835	(T/C)
22566	CakSNP22566	<i>Kabuli</i>	Ca_Kabuli_denovo	18545659	(A/G)
22567	CakSNP22567	<i>Kabuli</i>	Ca_Kabuli_denovo	18552228	(C/G)
22568	CakSNP22568	<i>Kabuli</i>	Ca_Kabuli_denovo	18558448	(C/A)
22569	CakSNP22569	<i>Kabuli</i>	Ca_Kabuli_denovo	18559193	(C/T)
22570	CakSNP22570	<i>Kabuli</i>	Ca_Kabuli_denovo	18559231	(G/A)
22571	CakSNP22571	<i>Kabuli</i>	Ca_Kabuli_denovo	18559927	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22572	CakSNP22572	<i>Kabuli</i>	Ca_Kabuli_denovo	18563930	(G/A)
22573	CakSNP22573	<i>Kabuli</i>	Ca_Kabuli_denovo	18563978	(C/T)
22574	CakSNP22574	<i>Kabuli</i>	Ca_Kabuli_denovo	18566071	(C/T)
22575	CakSNP22575	<i>Kabuli</i>	Ca_Kabuli_denovo	18568152	(T/C)
22576	CakSNP22576	<i>Kabuli</i>	Ca_Kabuli_denovo	18568157	(T/C)
22577	CakSNP22577	<i>Kabuli</i>	Ca_Kabuli_denovo	18569485	(C/T)
22578	CakSNP22578	<i>Kabuli</i>	Ca_Kabuli_denovo	18569488	(T/C)
22579	CakSNP22579	<i>Kabuli</i>	Ca_Kabuli_denovo	18573632	(G/A)
22580	CakSNP22580	<i>Kabuli</i>	Ca_Kabuli_denovo	18579933	(C/T)
22581	CakSNP22581	<i>Kabuli</i>	Ca_Kabuli_denovo	18581122	(A/C)
22582	CakSNP22582	<i>Kabuli</i>	Ca_Kabuli_denovo	18586183	(G/T)
22583	CakSNP22583	<i>Kabuli</i>	Ca_Kabuli_denovo	18586211	(A/G)
22584	CakSNP22584	<i>Kabuli</i>	Ca_Kabuli_denovo	18587105	(C/T)
22585	CakSNP22585	<i>Kabuli</i>	Ca_Kabuli_denovo	18589602	(T/C)
22586	CakSNP22586	<i>Kabuli</i>	Ca_Kabuli_denovo	18591097	(A/G)
22587	CakSNP22587	<i>Kabuli</i>	Ca_Kabuli_denovo	18592866	(C/G)
22588	CakSNP22588	<i>Kabuli</i>	Ca_Kabuli_denovo	18592869	(C/T)
22589	CakSNP22589	<i>Kabuli</i>	Ca_Kabuli_denovo	18596290	(T/C)
22590	CakSNP22590	<i>Kabuli</i>	Ca_Kabuli_denovo	18596296	(T/G)
22591	CakSNP22591	<i>Kabuli</i>	Ca_Kabuli_denovo	18597427	(G/A)
22592	CakSNP22592	<i>Kabuli</i>	Ca_Kabuli_denovo	18597485	(C/T)
22593	CakSNP22593	<i>Kabuli</i>	Ca_Kabuli_denovo	18598249	(C/G)
22594	CakSNP22594	<i>Kabuli</i>	Ca_Kabuli_denovo	18606359	(C/A)
22595	CakSNP22595	<i>Kabuli</i>	Ca_Kabuli_denovo	18608180	(G/A)
22596	CakSNP22596	<i>Kabuli</i>	Ca_Kabuli_denovo	18608195	(T/C)
22597	CakSNP22597	<i>Kabuli</i>	Ca_Kabuli_denovo	18614037	(T/C)
22598	CakSNP22598	<i>Kabuli</i>	Ca_Kabuli_denovo	18618464	(A/G)
22599	CakSNP22599	<i>Kabuli</i>	Ca_Kabuli_denovo	18620233	(T/C)
22600	CakSNP22600	<i>Kabuli</i>	Ca_Kabuli_denovo	18623050	(G/A)
22601	CakSNP22601	<i>Kabuli</i>	Ca_Kabuli_denovo	18623064	(G/A)
22602	CakSNP22602	<i>Kabuli</i>	Ca_Kabuli_denovo	18623808	(T/C)
22603	CakSNP22603	<i>Kabuli</i>	Ca_Kabuli_denovo	18624662	(G/A)
22604	CakSNP22604	<i>Kabuli</i>	Ca_Kabuli_denovo	18624688	(T/C)
22605	CakSNP22605	<i>Kabuli</i>	Ca_Kabuli_denovo	18627935	(A/G)
22606	CakSNP22606	<i>Kabuli</i>	Ca_Kabuli_denovo	18632591	(A/C)
22607	CakSNP22607	<i>Kabuli</i>	Ca_Kabuli_denovo	18633248	(G/A)
22608	CakSNP22608	<i>Kabuli</i>	Ca_Kabuli_denovo	18639938	(A/G)
22609	CakSNP22609	<i>Kabuli</i>	Ca_Kabuli_denovo	18641122	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22610	CakSNP22610	<i>Kabuli</i>	Ca_Kabuli_denovo	18641197	(C/G)
22611	CakSNP22611	<i>Kabuli</i>	Ca_Kabuli_denovo	18645319	(C/T)
22612	CakSNP22612	<i>Kabuli</i>	Ca_Kabuli_denovo	18646865	(T/C)
22613	CakSNP22613	<i>Kabuli</i>	Ca_Kabuli_denovo	18650506	(G/A)
22614	CakSNP22614	<i>Kabuli</i>	Ca_Kabuli_denovo	18651436	(C/A)
22615	CakSNP22615	<i>Kabuli</i>	Ca_Kabuli_denovo	18651511	(T/C)
22616	CakSNP22616	<i>Kabuli</i>	Ca_Kabuli_denovo	18663629	(G/A)
22617	CakSNP22617	<i>Kabuli</i>	Ca_Kabuli_denovo	18663648	(T/A)
22618	CakSNP22618	<i>Kabuli</i>	Ca_Kabuli_denovo	18670780	(T/G)
22619	CakSNP22619	<i>Kabuli</i>	Ca_Kabuli_denovo	18671340	(T/C)
22620	CakSNP22620	<i>Kabuli</i>	Ca_Kabuli_denovo	18671551	(A/G)
22621	CakSNP22621	<i>Kabuli</i>	Ca_Kabuli_denovo	18671557	(G/C)
22622	CakSNP22622	<i>Kabuli</i>	Ca_Kabuli_denovo	18675353	(A/G)
22623	CakSNP22623	<i>Kabuli</i>	Ca_Kabuli_denovo	18675369	(G/C)
22624	CakSNP22624	<i>Kabuli</i>	Ca_Kabuli_denovo	18676288	(G/A)
22625	CakSNP22625	<i>Kabuli</i>	Ca_Kabuli_denovo	18676421	(T/C)
22626	CakSNP22626	<i>Kabuli</i>	Ca_Kabuli_denovo	18676427	(T/C)
22627	CakSNP22627	<i>Kabuli</i>	Ca_Kabuli_denovo	18678872	(A/G)
22628	CakSNP22628	<i>Kabuli</i>	Ca_Kabuli_denovo	18680021	(C/T)
22629	CakSNP22629	<i>Kabuli</i>	Ca_Kabuli_denovo	18680071	(C/A)
22630	CakSNP22630	<i>Kabuli</i>	Ca_Kabuli_denovo	18680107	(A/C)
22631	CakSNP22631	<i>Kabuli</i>	Ca_Kabuli_denovo	18685944	(A/C)
22632	CakSNP22632	<i>Kabuli</i>	Ca_Kabuli_denovo	18690041	(C/A)
22633	CakSNP22633	<i>Kabuli</i>	Ca_Kabuli_denovo	18690059	(A/T)
22634	CakSNP22634	<i>Kabuli</i>	Ca_Kabuli_denovo	18696550	(C/T)
22635	CakSNP22635	<i>Kabuli</i>	Ca_Kabuli_denovo	18696580	(G/A)
22636	CakSNP22636	<i>Kabuli</i>	Ca_Kabuli_denovo	18700033	(G/C)
22637	CakSNP22637	<i>Kabuli</i>	Ca_Kabuli_denovo	18704924	(A/C)
22638	CakSNP22638	<i>Kabuli</i>	Ca_Kabuli_denovo	18705814	(A/C)
22639	CakSNP22639	<i>Kabuli</i>	Ca_Kabuli_denovo	18712035	(G/T)
22640	CakSNP22640	<i>Kabuli</i>	Ca_Kabuli_denovo	18713763	(A/T)
22641	CakSNP22641	<i>Kabuli</i>	Ca_Kabuli_denovo	18713777	(G/A)
22642	CakSNP22642	<i>Kabuli</i>	Ca_Kabuli_denovo	18713783	(T/C)
22643	CakSNP22643	<i>Kabuli</i>	Ca_Kabuli_denovo	18716914	(A/G)
22644	CakSNP22644	<i>Kabuli</i>	Ca_Kabuli_denovo	18722230	(G/T)
22645	CakSNP22645	<i>Kabuli</i>	Ca_Kabuli_denovo	18724934	(G/A)
22646	CakSNP22646	<i>Kabuli</i>	Ca_Kabuli_denovo	18726509	(A/G)
22647	CakSNP22647	<i>Kabuli</i>	Ca_Kabuli_denovo	18727704	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22648	CakSNP22648	<i>Kabuli</i>	Ca_Kabuli_denovo	18727738	(G/C)
22649	CakSNP22649	<i>Kabuli</i>	Ca_Kabuli_denovo	18728749	(T/G)
22650	CakSNP22650	<i>Kabuli</i>	Ca_Kabuli_denovo	18728774	(T/G)
22651	CakSNP22651	<i>Kabuli</i>	Ca_Kabuli_denovo	18733070	(C/T)
22652	CakSNP22652	<i>Kabuli</i>	Ca_Kabuli_denovo	18733079	(C/G)
22653	CakSNP22653	<i>Kabuli</i>	Ca_Kabuli_denovo	18739407	(A/C)
22654	CakSNP22654	<i>Kabuli</i>	Ca_Kabuli_denovo	18739408	(A/G)
22655	CakSNP22655	<i>Kabuli</i>	Ca_Kabuli_denovo	18747163	(G/A)
22656	CakSNP22656	<i>Kabuli</i>	Ca_Kabuli_denovo	18748718	(C/A)
22657	CakSNP22657	<i>Kabuli</i>	Ca_Kabuli_denovo	18748786	(T/C)
22658	CakSNP22658	<i>Kabuli</i>	Ca_Kabuli_denovo	18753052	(A/G)
22659	CakSNP22659	<i>Kabuli</i>	Ca_Kabuli_denovo	18756362	(C/T)
22660	CakSNP22660	<i>Kabuli</i>	Ca_Kabuli_denovo	18762726	(G/A)
22661	CakSNP22661	<i>Kabuli</i>	Ca_Kabuli_denovo	18762744	(C/A)
22662	CakSNP22662	<i>Kabuli</i>	Ca_Kabuli_denovo	18763792	(G/T)
22663	CakSNP22663	<i>Kabuli</i>	Ca_Kabuli_denovo	18770479	(C/T)
22664	CakSNP22664	<i>Kabuli</i>	Ca_Kabuli_denovo	18770536	(T/C)
22665	CakSNP22665	<i>Kabuli</i>	Ca_Kabuli_denovo	18770586	(C/T)
22666	CakSNP22666	<i>Kabuli</i>	Ca_Kabuli_denovo	18773521	(G/A)
22667	CakSNP22667	<i>Kabuli</i>	Ca_Kabuli_denovo	18775835	(T/C)
22668	CakSNP22668	<i>Kabuli</i>	Ca_Kabuli_denovo	18775837	(A/G)
22669	CakSNP22669	<i>Kabuli</i>	Ca_Kabuli_denovo	18777081	(C/G)
22670	CakSNP22670	<i>Kabuli</i>	Ca_Kabuli_denovo	18787985	(C/G)
22671	CakSNP22671	<i>Kabuli</i>	Ca_Kabuli_denovo	18788003	(T/C)
22672	CakSNP22672	<i>Kabuli</i>	Ca_Kabuli_denovo	18790370	(A/C)
22673	CakSNP22673	<i>Kabuli</i>	Ca_Kabuli_denovo	18791098	(C/T)
22674	CakSNP22674	<i>Kabuli</i>	Ca_Kabuli_denovo	18791101	(C/A)
22675	CakSNP22675	<i>Kabuli</i>	Ca_Kabuli_denovo	18793121	(T/C)
22676	CakSNP22676	<i>Kabuli</i>	Ca_Kabuli_denovo	18803897	(A/G)
22677	CakSNP22677	<i>Kabuli</i>	Ca_Kabuli_denovo	18803935	(G/C)
22678	CakSNP22678	<i>Kabuli</i>	Ca_Kabuli_denovo	18806483	(C/T)
22679	CakSNP22679	<i>Kabuli</i>	Ca_Kabuli_denovo	18808206	(T/G)
22680	CakSNP22680	<i>Kabuli</i>	Ca_Kabuli_denovo	18808227	(T/G)
22681	CakSNP22681	<i>Kabuli</i>	Ca_Kabuli_denovo	18809542	(C/T)
22682	CakSNP22682	<i>Kabuli</i>	Ca_Kabuli_denovo	18812003	(G/T)
22683	CakSNP22683	<i>Kabuli</i>	Ca_Kabuli_denovo	18813549	(G/A)
22684	CakSNP22684	<i>Kabuli</i>	Ca_Kabuli_denovo	18814122	(G/A)
22685	CakSNP22685	<i>Kabuli</i>	Ca_Kabuli_denovo	18816705	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22686	CakSNP22686	<i>Kabuli</i>	Ca_Kabuli_denovo	18816713	(G/A)
22687	CakSNP22687	<i>Kabuli</i>	Ca_Kabuli_denovo	18828492	(G/A)
22688	CakSNP22688	<i>Kabuli</i>	Ca_Kabuli_denovo	18829915	(C/A)
22689	CakSNP22689	<i>Kabuli</i>	Ca_Kabuli_denovo	18829924	(A/G)
22690	CakSNP22690	<i>Kabuli</i>	Ca_Kabuli_denovo	18832361	(G/T)
22691	CakSNP22691	<i>Kabuli</i>	Ca_Kabuli_denovo	18832368	(G/C)
22692	CakSNP22692	<i>Kabuli</i>	Ca_Kabuli_denovo	18834096	(C/G)
22693	CakSNP22693	<i>Kabuli</i>	Ca_Kabuli_denovo	18835613	(T/C)
22694	CakSNP22694	<i>Kabuli</i>	Ca_Kabuli_denovo	18836177	(C/T)
22695	CakSNP22695	<i>Kabuli</i>	Ca_Kabuli_denovo	18841637	(A/G)
22696	CakSNP22696	<i>Kabuli</i>	Ca_Kabuli_denovo	18841640	(T/G)
22697	CakSNP22697	<i>Kabuli</i>	Ca_Kabuli_denovo	18849251	(G/A)
22698	CakSNP22698	<i>Kabuli</i>	Ca_Kabuli_denovo	18850197	(A/G)
22699	CakSNP22699	<i>Kabuli</i>	Ca_Kabuli_denovo	18850203	(C/T)
22700	CakSNP22700	<i>Kabuli</i>	Ca_Kabuli_denovo	18850655	(G/A)
22701	CakSNP22701	<i>Kabuli</i>	Ca_Kabuli_denovo	18850691	(G/C)
22702	CakSNP22702	<i>Kabuli</i>	Ca_Kabuli_denovo	18852209	(A/G)
22703	CakSNP22703	<i>Kabuli</i>	Ca_Kabuli_denovo	18852950	(A/G)
22704	CakSNP22704	<i>Kabuli</i>	Ca_Kabuli_denovo	18856357	(T/C)
22705	CakSNP22705	<i>Kabuli</i>	Ca_Kabuli_denovo	18857764	(C/T)
22706	CakSNP22706	<i>Kabuli</i>	Ca_Kabuli_denovo	18857773	(T/C)
22707	CakSNP22707	<i>Kabuli</i>	Ca_Kabuli_denovo	18860305	(A/G)
22708	CakSNP22708	<i>Kabuli</i>	Ca_Kabuli_denovo	18867206	(A/G)
22709	CakSNP22709	<i>Kabuli</i>	Ca_Kabuli_denovo	18869392	(G/A)
22710	CakSNP22710	<i>Kabuli</i>	Ca_Kabuli_denovo	18869409	(A/C)
22711	CakSNP22711	<i>Kabuli</i>	Ca_Kabuli_denovo	18872425	(C/T)
22712	CakSNP22712	<i>Kabuli</i>	Ca_Kabuli_denovo	18872431	(T/C)
22713	CakSNP22713	<i>Kabuli</i>	Ca_Kabuli_denovo	18872443	(T/C)
22714	CakSNP22714	<i>Kabuli</i>	Ca_Kabuli_denovo	18873043	(G/A)
22715	CakSNP22715	<i>Kabuli</i>	Ca_Kabuli_denovo	18873726	(T/C)
22716	CakSNP22716	<i>Kabuli</i>	Ca_Kabuli_denovo	18873766	(G/A)
22717	CakSNP22717	<i>Kabuli</i>	Ca_Kabuli_denovo	18878910	(T/A)
22718	CakSNP22718	<i>Kabuli</i>	Ca_Kabuli_denovo	18879388	(G/T)
22719	CakSNP22719	<i>Kabuli</i>	Ca_Kabuli_denovo	18880593	(T/C)
22720	CakSNP22720	<i>Kabuli</i>	Ca_Kabuli_denovo	18881435	(T/G)
22721	CakSNP22721	<i>Kabuli</i>	Ca_Kabuli_denovo	18882519	(T/C)
22722	CakSNP22722	<i>Kabuli</i>	Ca_Kabuli_denovo	18891748	(T/G)
22723	CakSNP22723	<i>Kabuli</i>	Ca_Kabuli_denovo	18891754	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22724	CakSNP22724	<i>Kabuli</i>	Ca_Kabuli_denovo	18892953	(A/T)
22725	CakSNP22725	<i>Kabuli</i>	Ca_Kabuli_denovo	18896152	(A/G)
22726	CakSNP22726	<i>Kabuli</i>	Ca_Kabuli_denovo	18898353	(C/A)
22727	CakSNP22727	<i>Kabuli</i>	Ca_Kabuli_denovo	18898800	(C/T)
22728	CakSNP22728	<i>Kabuli</i>	Ca_Kabuli_denovo	18899861	(A/G)
22729	CakSNP22729	<i>Kabuli</i>	Ca_Kabuli_denovo	18899909	(C/G)
22730	CakSNP22730	<i>Kabuli</i>	Ca_Kabuli_denovo	18900482	(A/C)
22731	CakSNP22731	<i>Kabuli</i>	Ca_Kabuli_denovo	18900483	(G/T)
22732	CakSNP22732	<i>Kabuli</i>	Ca_Kabuli_denovo	18900484	(A/G)
22733	CakSNP22733	<i>Kabuli</i>	Ca_Kabuli_denovo	18905479	(G/A)
22734	CakSNP22734	<i>Kabuli</i>	Ca_Kabuli_denovo	18911372	(C/G)
22735	CakSNP22735	<i>Kabuli</i>	Ca_Kabuli_denovo	18911381	(A/G)
22736	CakSNP22736	<i>Kabuli</i>	Ca_Kabuli_denovo	18924368	(C/A)
22737	CakSNP22737	<i>Kabuli</i>	Ca_Kabuli_denovo	18927874	(G/C)
22738	CakSNP22738	<i>Kabuli</i>	Ca_Kabuli_denovo	18930752	(A/G)
22739	CakSNP22739	<i>Kabuli</i>	Ca_Kabuli_denovo	18930761	(T/C)
22740	CakSNP22740	<i>Kabuli</i>	Ca_Kabuli_denovo	18930885	(A/G)
22741	CakSNP22741	<i>Kabuli</i>	Ca_Kabuli_denovo	18930894	(A/G)
22742	CakSNP22742	<i>Kabuli</i>	Ca_Kabuli_denovo	18934921	(C/T)
22743	CakSNP22743	<i>Kabuli</i>	Ca_Kabuli_denovo	18934964	(C/T)
22744	CakSNP22744	<i>Kabuli</i>	Ca_Kabuli_denovo	18935278	(C/T)
22745	CakSNP22745	<i>Kabuli</i>	Ca_Kabuli_denovo	18938911	(G/A)
22746	CakSNP22746	<i>Kabuli</i>	Ca_Kabuli_denovo	18938964	(G/C)
22747	CakSNP22747	<i>Kabuli</i>	Ca_Kabuli_denovo	18940227	(G/C)
22748	CakSNP22748	<i>Kabuli</i>	Ca_Kabuli_denovo	18949813	(C/T)
22749	CakSNP22749	<i>Kabuli</i>	Ca_Kabuli_denovo	18951660	(G/C)
22750	CakSNP22750	<i>Kabuli</i>	Ca_Kabuli_denovo	18951699	(G/C)
22751	CakSNP22751	<i>Kabuli</i>	Ca_Kabuli_denovo	18951736	(A/G)
22752	CakSNP22752	<i>Kabuli</i>	Ca_Kabuli_denovo	18951760	(A/G)
22753	CakSNP22753	<i>Kabuli</i>	Ca_Kabuli_denovo	18968953	(G/C)
22754	CakSNP22754	<i>Kabuli</i>	Ca_Kabuli_denovo	18969406	(A/G)
22755	CakSNP22755	<i>Kabuli</i>	Ca_Kabuli_denovo	18969451	(A/G)
22756	CakSNP22756	<i>Kabuli</i>	Ca_Kabuli_denovo	18975086	(G/A)
22757	CakSNP22757	<i>Kabuli</i>	Ca_Kabuli_denovo	18975094	(T/C)
22758	CakSNP22758	<i>Kabuli</i>	Ca_Kabuli_denovo	18975107	(T/C)
22759	CakSNP22759	<i>Kabuli</i>	Ca_Kabuli_denovo	18975761	(T/C)
22760	CakSNP22760	<i>Kabuli</i>	Ca_Kabuli_denovo	18975813	(A/G)
22761	CakSNP22761	<i>Kabuli</i>	Ca_Kabuli_denovo	18976289	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22762	CakSNP22762	<i>Kabuli</i>	Ca_Kabuli_denovo	18976292	(G/A)
22763	CakSNP22763	<i>Kabuli</i>	Ca_Kabuli_denovo	18977055	(C/G)
22764	CakSNP22764	<i>Kabuli</i>	Ca_Kabuli_denovo	18978483	(T/C)
22765	CakSNP22765	<i>Kabuli</i>	Ca_Kabuli_denovo	18981320	(T/C)
22766	CakSNP22766	<i>Kabuli</i>	Ca_Kabuli_denovo	18987252	(G/T)
22767	CakSNP22767	<i>Kabuli</i>	Ca_Kabuli_denovo	18992585	(G/A)
22768	CakSNP22768	<i>Kabuli</i>	Ca_Kabuli_denovo	18997411	(T/C)
22769	CakSNP22769	<i>Kabuli</i>	Ca_Kabuli_denovo	19005025	(A/C)
22770	CakSNP22770	<i>Kabuli</i>	Ca_Kabuli_denovo	19005067	(G/T)
22771	CakSNP22771	<i>Kabuli</i>	Ca_Kabuli_denovo	19006159	(T/C)
22772	CakSNP22772	<i>Kabuli</i>	Ca_Kabuli_denovo	19008722	(A/T)
22773	CakSNP22773	<i>Kabuli</i>	Ca_Kabuli_denovo	19010698	(T/C)
22774	CakSNP22774	<i>Kabuli</i>	Ca_Kabuli_denovo	19010774	(G/A)
22775	CakSNP22775	<i>Kabuli</i>	Ca_Kabuli_denovo	19016555	(G/A)
22776	CakSNP22776	<i>Kabuli</i>	Ca_Kabuli_denovo	19016573	(A/G)
22777	CakSNP22777	<i>Kabuli</i>	Ca_Kabuli_denovo	19017747	(T/G)
22778	CakSNP22778	<i>Kabuli</i>	Ca_Kabuli_denovo	19019311	(C/G)
22779	CakSNP22779	<i>Kabuli</i>	Ca_Kabuli_denovo	19026033	(A/C)
22780	CakSNP22780	<i>Kabuli</i>	Ca_Kabuli_denovo	19026034	(G/C)
22781	CakSNP22781	<i>Kabuli</i>	Ca_Kabuli_denovo	19032739	(G/A)
22782	CakSNP22782	<i>Kabuli</i>	Ca_Kabuli_denovo	19034113	(A/T)
22783	CakSNP22783	<i>Kabuli</i>	Ca_Kabuli_denovo	19040086	(T/C)
22784	CakSNP22784	<i>Kabuli</i>	Ca_Kabuli_denovo	19040170	(G/T)
22785	CakSNP22785	<i>Kabuli</i>	Ca_Kabuli_denovo	19045310	(G/A)
22786	CakSNP22786	<i>Kabuli</i>	Ca_Kabuli_denovo	19049477	(T/C)
22787	CakSNP22787	<i>Kabuli</i>	Ca_Kabuli_denovo	19050458	(A/T)
22788	CakSNP22788	<i>Kabuli</i>	Ca_Kabuli_denovo	19056692	(A/G)
22789	CakSNP22789	<i>Kabuli</i>	Ca_Kabuli_denovo	19056836	(C/T)
22790	CakSNP22790	<i>Kabuli</i>	Ca_Kabuli_denovo	19056854	(G/C)
22791	CakSNP22791	<i>Kabuli</i>	Ca_Kabuli_denovo	19063347	(C/G)
22792	CakSNP22792	<i>Kabuli</i>	Ca_Kabuli_denovo	19066239	(C/A)
22793	CakSNP22793	<i>Kabuli</i>	Ca_Kabuli_denovo	19069211	(T/C)
22794	CakSNP22794	<i>Kabuli</i>	Ca_Kabuli_denovo	19069247	(A/G)
22795	CakSNP22795	<i>Kabuli</i>	Ca_Kabuli_denovo	19069451	(T/C)
22796	CakSNP22796	<i>Kabuli</i>	Ca_Kabuli_denovo	19079071	(C/T)
22797	CakSNP22797	<i>Kabuli</i>	Ca_Kabuli_denovo	19079086	(C/G)
22798	CakSNP22798	<i>Kabuli</i>	Ca_Kabuli_denovo	19087156	(T/G)
22799	CakSNP22799	<i>Kabuli</i>	Ca_Kabuli_denovo	19088934	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22800	CakSNP22800	<i>Kabuli</i>	Ca_Kabuli_denovo	19088942	(C/T)
22801	CakSNP22801	<i>Kabuli</i>	Ca_Kabuli_denovo	19089410	(G/A)
22802	CakSNP22802	<i>Kabuli</i>	Ca_Kabuli_denovo	19089454	(G/T)
22803	CakSNP22803	<i>Kabuli</i>	Ca_Kabuli_denovo	19090604	(G/A)
22804	CakSNP22804	<i>Kabuli</i>	Ca_Kabuli_denovo	19091010	(T/C)
22805	CakSNP22805	<i>Kabuli</i>	Ca_Kabuli_denovo	19091040	(A/C)
22806	CakSNP22806	<i>Kabuli</i>	Ca_Kabuli_denovo	19091083	(T/C)
22807	CakSNP22807	<i>Kabuli</i>	Ca_Kabuli_denovo	19093687	(G/T)
22808	CakSNP22808	<i>Kabuli</i>	Ca_Kabuli_denovo	19096458	(A/G)
22809	CakSNP22809	<i>Kabuli</i>	Ca_Kabuli_denovo	19108084	(G/A)
22810	CakSNP22810	<i>Kabuli</i>	Ca_Kabuli_denovo	19108134	(G/A)
22811	CakSNP22811	<i>Kabuli</i>	Ca_Kabuli_denovo	19108151	(G/C)
22812	CakSNP22812	<i>Kabuli</i>	Ca_Kabuli_denovo	19110319	(C/T)
22813	CakSNP22813	<i>Kabuli</i>	Ca_Kabuli_denovo	19110332	(A/G)
22814	CakSNP22814	<i>Kabuli</i>	Ca_Kabuli_denovo	19110398	(C/A)
22815	CakSNP22815	<i>Kabuli</i>	Ca_Kabuli_denovo	19126783	(T/A)
22816	CakSNP22816	<i>Kabuli</i>	Ca_Kabuli_denovo	19132339	(A/C)
22817	CakSNP22817	<i>Kabuli</i>	Ca_Kabuli_denovo	19132396	(T/C)
22818	CakSNP22818	<i>Kabuli</i>	Ca_Kabuli_denovo	19135975	(G/A)
22819	CakSNP22819	<i>Kabuli</i>	Ca_Kabuli_denovo	19136023	(A/G)
22820	CakSNP22820	<i>Kabuli</i>	Ca_Kabuli_denovo	19138028	(T/C)
22821	CakSNP22821	<i>Kabuli</i>	Ca_Kabuli_denovo	19138056	(G/A)
22822	CakSNP22822	<i>Kabuli</i>	Ca_Kabuli_denovo	19147683	(A/G)
22823	CakSNP22823	<i>Kabuli</i>	Ca_Kabuli_denovo	19147701	(T/C)
22824	CakSNP22824	<i>Kabuli</i>	Ca_Kabuli_denovo	19149268	(C/T)
22825	CakSNP22825	<i>Kabuli</i>	Ca_Kabuli_denovo	19154228	(G/A)
22826	CakSNP22826	<i>Kabuli</i>	Ca_Kabuli_denovo	19154258	(A/G)
22827	CakSNP22827	<i>Kabuli</i>	Ca_Kabuli_denovo	19155218	(T/C)
22828	CakSNP22828	<i>Kabuli</i>	Ca_Kabuli_denovo	19155611	(A/G)
22829	CakSNP22829	<i>Kabuli</i>	Ca_Kabuli_denovo	19155614	(G/A)
22830	CakSNP22830	<i>Kabuli</i>	Ca_Kabuli_denovo	19156125	(T/C)
22831	CakSNP22831	<i>Kabuli</i>	Ca_Kabuli_denovo	19158322	(T/C)
22832	CakSNP22832	<i>Kabuli</i>	Ca_Kabuli_denovo	19160518	(C/T)
22833	CakSNP22833	<i>Kabuli</i>	Ca_Kabuli_denovo	19160524	(T/A)
22834	CakSNP22834	<i>Kabuli</i>	Ca_Kabuli_denovo	19161853	(C/A)
22835	CakSNP22835	<i>Kabuli</i>	Ca_Kabuli_denovo	19163941	(C/G)
22836	CakSNP22836	<i>Kabuli</i>	Ca_Kabuli_denovo	19169207	(G/T)
22837	CakSNP22837	<i>Kabuli</i>	Ca_Kabuli_denovo	19169216	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22838	CakSNP22838	<i>Kabuli</i>	Ca_Kabuli_denovo	19171720	(G/A)
22839	CakSNP22839	<i>Kabuli</i>	Ca_Kabuli_denovo	19171726	(A/G)
22840	CakSNP22840	<i>Kabuli</i>	Ca_Kabuli_denovo	19177383	(C/A)
22841	CakSNP22841	<i>Kabuli</i>	Ca_Kabuli_denovo	19177386	(C/A)
22842	CakSNP22842	<i>Kabuli</i>	Ca_Kabuli_denovo	19184471	(C/T)
22843	CakSNP22843	<i>Kabuli</i>	Ca_Kabuli_denovo	19185765	(A/G)
22844	CakSNP22844	<i>Kabuli</i>	Ca_Kabuli_denovo	19185789	(A/G)
22845	CakSNP22845	<i>Kabuli</i>	Ca_Kabuli_denovo	19191108	(A/C)
22846	CakSNP22846	<i>Kabuli</i>	Ca_Kabuli_denovo	19191109	(A/G)
22847	CakSNP22847	<i>Kabuli</i>	Ca_Kabuli_denovo	19192438	(G/A)
22848	CakSNP22848	<i>Kabuli</i>	Ca_Kabuli_denovo	19192486	(C/T)
22849	CakSNP22849	<i>Kabuli</i>	Ca_Kabuli_denovo	19195741	(A/G)
22850	CakSNP22850	<i>Kabuli</i>	Ca_Kabuli_denovo	19195744	(G/A)
22851	CakSNP22851	<i>Kabuli</i>	Ca_Kabuli_denovo	19198315	(T/C)
22852	CakSNP22852	<i>Kabuli</i>	Ca_Kabuli_denovo	19198343	(T/G)
22853	CakSNP22853	<i>Kabuli</i>	Ca_Kabuli_denovo	19200266	(A/G)
22854	CakSNP22854	<i>Kabuli</i>	Ca_Kabuli_denovo	19201724	(T/G)
22855	CakSNP22855	<i>Kabuli</i>	Ca_Kabuli_denovo	19206320	(T/C)
22856	CakSNP22856	<i>Kabuli</i>	Ca_Kabuli_denovo	19223412	(C/T)
22857	CakSNP22857	<i>Kabuli</i>	Ca_Kabuli_denovo	19223413	(G/T)
22858	CakSNP22858	<i>Kabuli</i>	Ca_Kabuli_denovo	19229621	(A/G)
22859	CakSNP22859	<i>Kabuli</i>	Ca_Kabuli_denovo	19234774	(T/C)
22860	CakSNP22860	<i>Kabuli</i>	Ca_Kabuli_denovo	19238116	(A/C)
22861	CakSNP22861	<i>Kabuli</i>	Ca_Kabuli_denovo	19238124	(C/G)
22862	CakSNP22862	<i>Kabuli</i>	Ca_Kabuli_denovo	19238946	(C/T)
22863	CakSNP22863	<i>Kabuli</i>	Ca_Kabuli_denovo	19240781	(T/C)
22864	CakSNP22864	<i>Kabuli</i>	Ca_Kabuli_denovo	19240800	(G/A)
22865	CakSNP22865	<i>Kabuli</i>	Ca_Kabuli_denovo	19247383	(G/C)
22866	CakSNP22866	<i>Kabuli</i>	Ca_Kabuli_denovo	19248118	(A/C)
22867	CakSNP22867	<i>Kabuli</i>	Ca_Kabuli_denovo	19251244	(C/T)
22868	CakSNP22868	<i>Kabuli</i>	Ca_Kabuli_denovo	19254548	(C/A)
22869	CakSNP22869	<i>Kabuli</i>	Ca_Kabuli_denovo	19254587	(A/G)
22870	CakSNP22870	<i>Kabuli</i>	Ca_Kabuli_denovo	19256586	(C/T)
22871	CakSNP22871	<i>Kabuli</i>	Ca_Kabuli_denovo	19274063	(T/G)
22872	CakSNP22872	<i>Kabuli</i>	Ca_Kabuli_denovo	19275686	(C/T)
22873	CakSNP22873	<i>Kabuli</i>	Ca_Kabuli_denovo	19275704	(T/C)
22874	CakSNP22874	<i>Kabuli</i>	Ca_Kabuli_denovo	19279916	(T/G)
22875	CakSNP22875	<i>Kabuli</i>	Ca_Kabuli_denovo	19284224	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22876	CakSNP22876	<i>Kabuli</i>	Ca_Kabuli_denovo	19284257	(G/C)
22877	CakSNP22877	<i>Kabuli</i>	Ca_Kabuli_denovo	19287074	(C/T)
22878	CakSNP22878	<i>Kabuli</i>	Ca_Kabuli_denovo	19294446	(G/A)
22879	CakSNP22879	<i>Kabuli</i>	Ca_Kabuli_denovo	19294650	(G/A)
22880	CakSNP22880	<i>Kabuli</i>	Ca_Kabuli_denovo	19295751	(T/C)
22881	CakSNP22881	<i>Kabuli</i>	Ca_Kabuli_denovo	19302256	(A/G)
22882	CakSNP22882	<i>Kabuli</i>	Ca_Kabuli_denovo	19303277	(T/C)
22883	CakSNP22883	<i>Kabuli</i>	Ca_Kabuli_denovo	19304858	(T/C)
22884	CakSNP22884	<i>Kabuli</i>	Ca_Kabuli_denovo	19304894	(T/C)
22885	CakSNP22885	<i>Kabuli</i>	Ca_Kabuli_denovo	19304897	(C/T)
22886	CakSNP22886	<i>Kabuli</i>	Ca_Kabuli_denovo	19315474	(G/A)
22887	CakSNP22887	<i>Kabuli</i>	Ca_Kabuli_denovo	19315480	(G/A)
22888	CakSNP22888	<i>Kabuli</i>	Ca_Kabuli_denovo	19323757	(A/G)
22889	CakSNP22889	<i>Kabuli</i>	Ca_Kabuli_denovo	19328354	(C/A)
22890	CakSNP22890	<i>Kabuli</i>	Ca_Kabuli_denovo	19331804	(G/A)
22891	CakSNP22891	<i>Kabuli</i>	Ca_Kabuli_denovo	19332683	(G/T)
22892	CakSNP22892	<i>Kabuli</i>	Ca_Kabuli_denovo	19335471	(C/G)
22893	CakSNP22893	<i>Kabuli</i>	Ca_Kabuli_denovo	19346404	(T/C)
22894	CakSNP22894	<i>Kabuli</i>	Ca_Kabuli_denovo	19348192	(A/C)
22895	CakSNP22895	<i>Kabuli</i>	Ca_Kabuli_denovo	19348233	(C/G)
22896	CakSNP22896	<i>Kabuli</i>	Ca_Kabuli_denovo	19349645	(T/G)
22897	CakSNP22897	<i>Kabuli</i>	Ca_Kabuli_denovo	19350085	(G/A)
22898	CakSNP22898	<i>Kabuli</i>	Ca_Kabuli_denovo	19352147	(G/A)
22899	CakSNP22899	<i>Kabuli</i>	Ca_Kabuli_denovo	19356539	(C/T)
22900	CakSNP22900	<i>Kabuli</i>	Ca_Kabuli_denovo	19361046	(A/G)
22901	CakSNP22901	<i>Kabuli</i>	Ca_Kabuli_denovo	19367179	(T/C)
22902	CakSNP22902	<i>Kabuli</i>	Ca_Kabuli_denovo	19370551	(T/C)
22903	CakSNP22903	<i>Kabuli</i>	Ca_Kabuli_denovo	19374728	(A/G)
22904	CakSNP22904	<i>Kabuli</i>	Ca_Kabuli_denovo	19376336	(G/A)
22905	CakSNP22905	<i>Kabuli</i>	Ca_Kabuli_denovo	19376363	(G/A)
22906	CakSNP22906	<i>Kabuli</i>	Ca_Kabuli_denovo	19379073	(C/T)
22907	CakSNP22907	<i>Kabuli</i>	Ca_Kabuli_denovo	19379306	(C/A)
22908	CakSNP22908	<i>Kabuli</i>	Ca_Kabuli_denovo	19379735	(T/C)
22909	CakSNP22909	<i>Kabuli</i>	Ca_Kabuli_denovo	19385230	(C/G)
22910	CakSNP22910	<i>Kabuli</i>	Ca_Kabuli_denovo	19385511	(G/C)
22911	CakSNP22911	<i>Kabuli</i>	Ca_Kabuli_denovo	19385523	(A/G)
22912	CakSNP22912	<i>Kabuli</i>	Ca_Kabuli_denovo	19390162	(C/T)
22913	CakSNP22913	<i>Kabuli</i>	Ca_Kabuli_denovo	19390333	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22914	CakSNP22914	<i>Kabuli</i>	Ca_Kabuli_denovo	19391252	(C/T)
22915	CakSNP22915	<i>Kabuli</i>	Ca_Kabuli_denovo	19398054	(C/A)
22916	CakSNP22916	<i>Kabuli</i>	Ca_Kabuli_denovo	19398085	(T/C)
22917	CakSNP22917	<i>Kabuli</i>	Ca_Kabuli_denovo	19398318	(G/A)
22918	CakSNP22918	<i>Kabuli</i>	Ca_Kabuli_denovo	19400571	(C/T)
22919	CakSNP22919	<i>Kabuli</i>	Ca_Kabuli_denovo	19401445	(G/C)
22920	CakSNP22920	<i>Kabuli</i>	Ca_Kabuli_denovo	19401475	(A/G)
22921	CakSNP22921	<i>Kabuli</i>	Ca_Kabuli_denovo	19402744	(C/G)
22922	CakSNP22922	<i>Kabuli</i>	Ca_Kabuli_denovo	19407853	(C/G)
22923	CakSNP22923	<i>Kabuli</i>	Ca_Kabuli_denovo	19416866	(C/T)
22924	CakSNP22924	<i>Kabuli</i>	Ca_Kabuli_denovo	19421553	(C/T)
22925	CakSNP22925	<i>Kabuli</i>	Ca_Kabuli_denovo	19421556	(A/G)
22926	CakSNP22926	<i>Kabuli</i>	Ca_Kabuli_denovo	19422615	(G/A)
22927	CakSNP22927	<i>Kabuli</i>	Ca_Kabuli_denovo	19422629	(G/A)
22928	CakSNP22928	<i>Kabuli</i>	Ca_Kabuli_denovo	19429950	(T/G)
22929	CakSNP22929	<i>Kabuli</i>	Ca_Kabuli_denovo	19429960	(G/A)
22930	CakSNP22930	<i>Kabuli</i>	Ca_Kabuli_denovo	19430010	(C/G)
22931	CakSNP22931	<i>Kabuli</i>	Ca_Kabuli_denovo	19430159	(G/A)
22932	CakSNP22932	<i>Kabuli</i>	Ca_Kabuli_denovo	19430182	(C/A)
22933	CakSNP22933	<i>Kabuli</i>	Ca_Kabuli_denovo	19432428	(G/T)
22934	CakSNP22934	<i>Kabuli</i>	Ca_Kabuli_denovo	19434335	(A/G)
22935	CakSNP22935	<i>Kabuli</i>	Ca_Kabuli_denovo	19435393	(G/T)
22936	CakSNP22936	<i>Kabuli</i>	Ca_Kabuli_denovo	19435406	(T/C)
22937	CakSNP22937	<i>Kabuli</i>	Ca_Kabuli_denovo	19446380	(G/C)
22938	CakSNP22938	<i>Kabuli</i>	Ca_Kabuli_denovo	19449849	(A/G)
22939	CakSNP22939	<i>Kabuli</i>	Ca_Kabuli_denovo	19459653	(A/G)
22940	CakSNP22940	<i>Kabuli</i>	Ca_Kabuli_denovo	19459666	(G/C)
22941	CakSNP22941	<i>Kabuli</i>	Ca_Kabuli_denovo	19461469	(A/G)
22942	CakSNP22942	<i>Kabuli</i>	Ca_Kabuli_denovo	19467652	(C/G)
22943	CakSNP22943	<i>Kabuli</i>	Ca_Kabuli_denovo	19482253	(T/C)
22944	CakSNP22944	<i>Kabuli</i>	Ca_Kabuli_denovo	19482283	(G/C)
22945	CakSNP22945	<i>Kabuli</i>	Ca_Kabuli_denovo	19490764	(A/G)
22946	CakSNP22946	<i>Kabuli</i>	Ca_Kabuli_denovo	19490794	(G/A)
22947	CakSNP22947	<i>Kabuli</i>	Ca_Kabuli_denovo	19494880	(C/T)
22948	CakSNP22948	<i>Kabuli</i>	Ca_Kabuli_denovo	19496641	(C/G)
22949	CakSNP22949	<i>Kabuli</i>	Ca_Kabuli_denovo	19496704	(C/T)
22950	CakSNP22950	<i>Kabuli</i>	Ca_Kabuli_denovo	19497856	(G/A)
22951	CakSNP22951	<i>Kabuli</i>	Ca_Kabuli_denovo	19497910	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22952	CakSNP22952	<i>Kabuli</i>	Ca_Kabuli_denovo	19499330	(G/T)
22953	CakSNP22953	<i>Kabuli</i>	Ca_Kabuli_denovo	19499333	(A/G)
22954	CakSNP22954	<i>Kabuli</i>	Ca_Kabuli_denovo	19500292	(C/T)
22955	CakSNP22955	<i>Kabuli</i>	Ca_Kabuli_denovo	19500454	(A/G)
22956	CakSNP22956	<i>Kabuli</i>	Ca_Kabuli_denovo	19500513	(G/A)
22957	CakSNP22957	<i>Kabuli</i>	Ca_Kabuli_denovo	19504817	(C/T)
22958	CakSNP22958	<i>Kabuli</i>	Ca_Kabuli_denovo	19504856	(T/G)
22959	CakSNP22959	<i>Kabuli</i>	Ca_Kabuli_denovo	19505980	(A/G)
22960	CakSNP22960	<i>Kabuli</i>	Ca_Kabuli_denovo	19508060	(C/T)
22961	CakSNP22961	<i>Kabuli</i>	Ca_Kabuli_denovo	19508077	(G/T)
22962	CakSNP22962	<i>Kabuli</i>	Ca_Kabuli_denovo	19508114	(A/G)
22963	CakSNP22963	<i>Kabuli</i>	Ca_Kabuli_denovo	19509112	(C/A)
22964	CakSNP22964	<i>Kabuli</i>	Ca_Kabuli_denovo	19515877	(T/C)
22965	CakSNP22965	<i>Kabuli</i>	Ca_Kabuli_denovo	19519198	(A/G)
22966	CakSNP22966	<i>Kabuli</i>	Ca_Kabuli_denovo	19519203	(G/A)
22967	CakSNP22967	<i>Kabuli</i>	Ca_Kabuli_denovo	19521213	(C/G)
22968	CakSNP22968	<i>Kabuli</i>	Ca_Kabuli_denovo	19521958	(T/A)
22969	CakSNP22969	<i>Kabuli</i>	Ca_Kabuli_denovo	19521965	(A/G)
22970	CakSNP22970	<i>Kabuli</i>	Ca_Kabuli_denovo	19525451	(G/A)
22971	CakSNP22971	<i>Kabuli</i>	Ca_Kabuli_denovo	19526859	(G/C)
22972	CakSNP22972	<i>Kabuli</i>	Ca_Kabuli_denovo	19526871	(T/C)
22973	CakSNP22973	<i>Kabuli</i>	Ca_Kabuli_denovo	19532983	(T/C)
22974	CakSNP22974	<i>Kabuli</i>	Ca_Kabuli_denovo	19537330	(A/G)
22975	CakSNP22975	<i>Kabuli</i>	Ca_Kabuli_denovo	19547897	(G/A)
22976	CakSNP22976	<i>Kabuli</i>	Ca_Kabuli_denovo	19549075	(C/T)
22977	CakSNP22977	<i>Kabuli</i>	Ca_Kabuli_denovo	19549145	(A/G)
22978	CakSNP22978	<i>Kabuli</i>	Ca_Kabuli_denovo	19554267	(A/G)
22979	CakSNP22979	<i>Kabuli</i>	Ca_Kabuli_denovo	19558394	(C/T)
22980	CakSNP22980	<i>Kabuli</i>	Ca_Kabuli_denovo	19558883	(A/G)
22981	CakSNP22981	<i>Kabuli</i>	Ca_Kabuli_denovo	19559530	(T/C)
22982	CakSNP22982	<i>Kabuli</i>	Ca_Kabuli_denovo	19569592	(C/G)
22983	CakSNP22983	<i>Kabuli</i>	Ca_Kabuli_denovo	19578021	(C/T)
22984	CakSNP22984	<i>Kabuli</i>	Ca_Kabuli_denovo	19580031	(C/G)
22985	CakSNP22985	<i>Kabuli</i>	Ca_Kabuli_denovo	19583318	(G/A)
22986	CakSNP22986	<i>Kabuli</i>	Ca_Kabuli_denovo	19584237	(C/G)
22987	CakSNP22987	<i>Kabuli</i>	Ca_Kabuli_denovo	19592563	(A/C)
22988	CakSNP22988	<i>Kabuli</i>	Ca_Kabuli_denovo	19594005	(A/T)
22989	CakSNP22989	<i>Kabuli</i>	Ca_Kabuli_denovo	19594048	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22990	CakSNP22990	<i>Kabuli</i>	Ca_Kabuli_denovo	19596700	(C/G)
22991	CakSNP22991	<i>Kabuli</i>	Ca_Kabuli_denovo	19596703	(G/A)
22992	CakSNP22992	<i>Kabuli</i>	Ca_Kabuli_denovo	19596726	(G/C)
22993	CakSNP22993	<i>Kabuli</i>	Ca_Kabuli_denovo	19599063	(G/A)
22994	CakSNP22994	<i>Kabuli</i>	Ca_Kabuli_denovo	19607491	(A/C)
22995	CakSNP22995	<i>Kabuli</i>	Ca_Kabuli_denovo	19607505	(G/C)
22996	CakSNP22996	<i>Kabuli</i>	Ca_Kabuli_denovo	19607787	(T/C)
22997	CakSNP22997	<i>Kabuli</i>	Ca_Kabuli_denovo	19607832	(G/A)
22998	CakSNP22998	<i>Kabuli</i>	Ca_Kabuli_denovo	19609996	(C/T)
22999	CakSNP22999	<i>Kabuli</i>	Ca_Kabuli_denovo	19610895	(C/G)
23000	CakSNP23000	<i>Kabuli</i>	Ca_Kabuli_denovo	19613068	(C/T)
23001	CakSNP23001	<i>Kabuli</i>	Ca_Kabuli_denovo	19629262	(A/C)
23002	CakSNP23002	<i>Kabuli</i>	Ca_Kabuli_denovo	19630852	(G/A)
23003	CakSNP23003	<i>Kabuli</i>	Ca_Kabuli_denovo	19632166	(T/C)
23004	CakSNP23004	<i>Kabuli</i>	Ca_Kabuli_denovo	19632919	(C/T)
23005	CakSNP23005	<i>Kabuli</i>	Ca_Kabuli_denovo	19634087	(T/C)
23006	CakSNP23006	<i>Kabuli</i>	Ca_Kabuli_denovo	19640222	(A/G)
23007	CakSNP23007	<i>Kabuli</i>	Ca_Kabuli_denovo	19640228	(C/T)
23008	CakSNP23008	<i>Kabuli</i>	Ca_Kabuli_denovo	19645993	(C/T)
23009	CakSNP23009	<i>Kabuli</i>	Ca_Kabuli_denovo	19652525	(G/A)
23010	CakSNP23010	<i>Kabuli</i>	Ca_Kabuli_denovo	19657004	(G/A)
23011	CakSNP23011	<i>Kabuli</i>	Ca_Kabuli_denovo	19658542	(T/C)
23012	CakSNP23012	<i>Kabuli</i>	Ca_Kabuli_denovo	19659001	(T/C)
23013	CakSNP23013	<i>Kabuli</i>	Ca_Kabuli_denovo	19661154	(C/G)
23014	CakSNP23014	<i>Kabuli</i>	Ca_Kabuli_denovo	19664674	(T/A)
23015	CakSNP23015	<i>Kabuli</i>	Ca_Kabuli_denovo	19664737	(T/G)
23016	CakSNP23016	<i>Kabuli</i>	Ca_Kabuli_denovo	19666531	(A/C)
23017	CakSNP23017	<i>Kabuli</i>	Ca_Kabuli_denovo	19666855	(A/G)
23018	CakSNP23018	<i>Kabuli</i>	Ca_Kabuli_denovo	19666861	(C/A)
23019	CakSNP23019	<i>Kabuli</i>	Ca_Kabuli_denovo	19670099	(G/C)
23020	CakSNP23020	<i>Kabuli</i>	Ca_Kabuli_denovo	19687054	(T/C)
23021	CakSNP23021	<i>Kabuli</i>	Ca_Kabuli_denovo	19692882	(G/T)
23022	CakSNP23022	<i>Kabuli</i>	Ca_Kabuli_denovo	19692883	(A/C)
23023	CakSNP23023	<i>Kabuli</i>	Ca_Kabuli_denovo	19694833	(A/G)
23024	CakSNP23024	<i>Kabuli</i>	Ca_Kabuli_denovo	19694872	(G/T)
23025	CakSNP23025	<i>Kabuli</i>	Ca_Kabuli_denovo	19695841	(C/T)
23026	CakSNP23026	<i>Kabuli</i>	Ca_Kabuli_denovo	19695891	(C/T)
23027	CakSNP23027	<i>Kabuli</i>	Ca_Kabuli_denovo	19699736	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23028	CakSNP23028	<i>Kabuli</i>	Ca_Kabuli_denovo	19713310	(A/G)
23029	CakSNP23029	<i>Kabuli</i>	Ca_Kabuli_denovo	19713350	(T/C)
23030	CakSNP23030	<i>Kabuli</i>	Ca_Kabuli_denovo	19715189	(C/G)
23031	CakSNP23031	<i>Kabuli</i>	Ca_Kabuli_denovo	19715195	(C/T)
23032	CakSNP23032	<i>Kabuli</i>	Ca_Kabuli_denovo	19720566	(C/G)
23033	CakSNP23033	<i>Kabuli</i>	Ca_Kabuli_denovo	19720598	(T/A)
23034	CakSNP23034	<i>Kabuli</i>	Ca_Kabuli_denovo	19721704	(G/A)
23035	CakSNP23035	<i>Kabuli</i>	Ca_Kabuli_denovo	19721717	(C/T)
23036	CakSNP23036	<i>Kabuli</i>	Ca_Kabuli_denovo	19728777	(G/A)
23037	CakSNP23037	<i>Kabuli</i>	Ca_Kabuli_denovo	19728792	(A/G)
23038	CakSNP23038	<i>Kabuli</i>	Ca_Kabuli_denovo	19731087	(C/G)
23039	CakSNP23039	<i>Kabuli</i>	Ca_Kabuli_denovo	19734795	(G/A)
23040	CakSNP23040	<i>Kabuli</i>	Ca_Kabuli_denovo	19734828	(C/G)
23041	CakSNP23041	<i>Kabuli</i>	Ca_Kabuli_denovo	19738169	(A/C)
23042	CakSNP23042	<i>Kabuli</i>	Ca_Kabuli_denovo	19741005	(T/G)
23043	CakSNP23043	<i>Kabuli</i>	Ca_Kabuli_denovo	19744691	(C/T)
23044	CakSNP23044	<i>Kabuli</i>	Ca_Kabuli_denovo	19750612	(G/A)
23045	CakSNP23045	<i>Kabuli</i>	Ca_Kabuli_denovo	19756173	(A/G)
23046	CakSNP23046	<i>Kabuli</i>	Ca_Kabuli_denovo	19761671	(G/A)
23047	CakSNP23047	<i>Kabuli</i>	Ca_Kabuli_denovo	19761695	(A/T)
23048	CakSNP23048	<i>Kabuli</i>	Ca_Kabuli_denovo	19762343	(C/T)
23049	CakSNP23049	<i>Kabuli</i>	Ca_Kabuli_denovo	19762346	(T/C)
23050	CakSNP23050	<i>Kabuli</i>	Ca_Kabuli_denovo	19764134	(G/C)
23051	CakSNP23051	<i>Kabuli</i>	Ca_Kabuli_denovo	19769234	(G/T)
23052	CakSNP23052	<i>Kabuli</i>	Ca_Kabuli_denovo	19774332	(C/T)
23053	CakSNP23053	<i>Kabuli</i>	Ca_Kabuli_denovo	19776405	(T/G)
23054	CakSNP23054	<i>Kabuli</i>	Ca_Kabuli_denovo	19776889	(T/G)
23055	CakSNP23055	<i>Kabuli</i>	Ca_Kabuli_denovo	19781120	(C/T)
23056	CakSNP23056	<i>Kabuli</i>	Ca_Kabuli_denovo	19788782	(A/G)
23057	CakSNP23057	<i>Kabuli</i>	Ca_Kabuli_denovo	19788806	(C/G)
23058	CakSNP23058	<i>Kabuli</i>	Ca_Kabuli_denovo	19793263	(G/A)
23059	CakSNP23059	<i>Kabuli</i>	Ca_Kabuli_denovo	19794417	(A/G)
23060	CakSNP23060	<i>Kabuli</i>	Ca_Kabuli_denovo	19797482	(C/T)
23061	CakSNP23061	<i>Kabuli</i>	Ca_Kabuli_denovo	19797497	(T/C)
23062	CakSNP23062	<i>Kabuli</i>	Ca_Kabuli_denovo	19806614	(T/G)
23063	CakSNP23063	<i>Kabuli</i>	Ca_Kabuli_denovo	19806651	(G/C)
23064	CakSNP23064	<i>Kabuli</i>	Ca_Kabuli_denovo	19808095	(A/C)
23065	CakSNP23065	<i>Kabuli</i>	Ca_Kabuli_denovo	19808101	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23066	CakSNP23066	<i>Kabuli</i>	Ca_Kabuli_denovo	19814186	(C/A)
23067	CakSNP23067	<i>Kabuli</i>	Ca_Kabuli_denovo	19825655	(A/G)
23068	CakSNP23068	<i>Kabuli</i>	Ca_Kabuli_denovo	19825684	(C/G)
23069	CakSNP23069	<i>Kabuli</i>	Ca_Kabuli_denovo	19831346	(T/C)
23070	CakSNP23070	<i>Kabuli</i>	Ca_Kabuli_denovo	19831394	(A/G)
23071	CakSNP23071	<i>Kabuli</i>	Ca_Kabuli_denovo	19833191	(C/T)
23072	CakSNP23072	<i>Kabuli</i>	Ca_Kabuli_denovo	19835711	(C/T)
23073	CakSNP23073	<i>Kabuli</i>	Ca_Kabuli_denovo	19837847	(T/C)
23074	CakSNP23074	<i>Kabuli</i>	Ca_Kabuli_denovo	19837862	(C/A)
23075	CakSNP23075	<i>Kabuli</i>	Ca_Kabuli_denovo	19838759	(T/C)
23076	CakSNP23076	<i>Kabuli</i>	Ca_Kabuli_denovo	19842335	(T/G)
23077	CakSNP23077	<i>Kabuli</i>	Ca_Kabuli_denovo	19842348	(G/A)
23078	CakSNP23078	<i>Kabuli</i>	Ca_Kabuli_denovo	19848450	(G/C)
23079	CakSNP23079	<i>Kabuli</i>	Ca_Kabuli_denovo	19848471	(T/C)
23080	CakSNP23080	<i>Kabuli</i>	Ca_Kabuli_denovo	19852642	(C/T)
23081	CakSNP23081	<i>Kabuli</i>	Ca_Kabuli_denovo	19852670	(C/G)
23082	CakSNP23082	<i>Kabuli</i>	Ca_Kabuli_denovo	19857655	(C/T)
23083	CakSNP23083	<i>Kabuli</i>	Ca_Kabuli_denovo	19857667	(T/C)
23084	CakSNP23084	<i>Kabuli</i>	Ca_Kabuli_denovo	19858311	(C/G)
23085	CakSNP23085	<i>Kabuli</i>	Ca_Kabuli_denovo	19858321	(G/C)
23086	CakSNP23086	<i>Kabuli</i>	Ca_Kabuli_denovo	19866905	(G/C)
23087	CakSNP23087	<i>Kabuli</i>	Ca_Kabuli_denovo	19873840	(C/A)
23088	CakSNP23088	<i>Kabuli</i>	Ca_Kabuli_denovo	19873946	(T/C)
23089	CakSNP23089	<i>Kabuli</i>	Ca_Kabuli_denovo	19875607	(T/C)
23090	CakSNP23090	<i>Kabuli</i>	Ca_Kabuli_denovo	19878301	(T/A)
23091	CakSNP23091	<i>Kabuli</i>	Ca_Kabuli_denovo	19878370	(C/T)
23092	CakSNP23092	<i>Kabuli</i>	Ca_Kabuli_denovo	19879644	(A/G)
23093	CakSNP23093	<i>Kabuli</i>	Ca_Kabuli_denovo	19879658	(C/T)
23094	CakSNP23094	<i>Kabuli</i>	Ca_Kabuli_denovo	19880110	(G/A)
23095	CakSNP23095	<i>Kabuli</i>	Ca_Kabuli_denovo	19888886	(T/G)
23096	CakSNP23096	<i>Kabuli</i>	Ca_Kabuli_denovo	19895426	(C/T)
23097	CakSNP23097	<i>Kabuli</i>	Ca_Kabuli_denovo	19895429	(C/T)
23098	CakSNP23098	<i>Kabuli</i>	Ca_Kabuli_denovo	19896219	(A/G)
23099	CakSNP23099	<i>Kabuli</i>	Ca_Kabuli_denovo	19897592	(A/G)
23100	CakSNP23100	<i>Kabuli</i>	Ca_Kabuli_denovo	19898670	(C/T)
23101	CakSNP23101	<i>Kabuli</i>	Ca_Kabuli_denovo	19900442	(G/A)
23102	CakSNP23102	<i>Kabuli</i>	Ca_Kabuli_denovo	19901441	(A/G)
23103	CakSNP23103	<i>Kabuli</i>	Ca_Kabuli_denovo	19904162	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23104	CakSNP23104	<i>Kabuli</i>	Ca_Kabuli_denovo	19906133	(C/T)
23105	CakSNP23105	<i>Kabuli</i>	Ca_Kabuli_denovo	19906160	(C/G)
23106	CakSNP23106	<i>Kabuli</i>	Ca_Kabuli_denovo	19913298	(A/G)
23107	CakSNP23107	<i>Kabuli</i>	Ca_Kabuli_denovo	19913325	(T/G)
23108	CakSNP23108	<i>Kabuli</i>	Ca_Kabuli_denovo	19917542	(T/C)
23109	CakSNP23109	<i>Kabuli</i>	Ca_Kabuli_denovo	19917611	(T/G)
23110	CakSNP23110	<i>Kabuli</i>	Ca_Kabuli_denovo	19917912	(C/T)
23111	CakSNP23111	<i>Kabuli</i>	Ca_Kabuli_denovo	19917922	(G/A)
23112	CakSNP23112	<i>Kabuli</i>	Ca_Kabuli_denovo	19919217	(T/C)
23113	CakSNP23113	<i>Kabuli</i>	Ca_Kabuli_denovo	19919234	(G/C)
23114	CakSNP23114	<i>Kabuli</i>	Ca_Kabuli_denovo	19921011	(C/A)
23115	CakSNP23115	<i>Kabuli</i>	Ca_Kabuli_denovo	19921041	(A/G)
23116	CakSNP23116	<i>Kabuli</i>	Ca_Kabuli_denovo	19926525	(G/C)
23117	CakSNP23117	<i>Kabuli</i>	Ca_Kabuli_denovo	19931580	(C/A)
23118	CakSNP23118	<i>Kabuli</i>	Ca_Kabuli_denovo	19931658	(C/G)
23119	CakSNP23119	<i>Kabuli</i>	Ca_Kabuli_denovo	19937324	(G/A)
23120	CakSNP23120	<i>Kabuli</i>	Ca_Kabuli_denovo	19937333	(G/C)
23121	CakSNP23121	<i>Kabuli</i>	Ca_Kabuli_denovo	19938269	(C/T)
23122	CakSNP23122	<i>Kabuli</i>	Ca_Kabuli_denovo	19942267	(A/C)
23123	CakSNP23123	<i>Kabuli</i>	Ca_Kabuli_denovo	19945803	(G/T)
23124	CakSNP23124	<i>Kabuli</i>	Ca_Kabuli_denovo	19948365	(C/G)
23125	CakSNP23125	<i>Kabuli</i>	Ca_Kabuli_denovo	19948387	(C/A)
23126	CakSNP23126	<i>Kabuli</i>	Ca_Kabuli_denovo	19948522	(C/T)
23127	CakSNP23127	<i>Kabuli</i>	Ca_Kabuli_denovo	19948538	(T/A)
23128	CakSNP23128	<i>Kabuli</i>	Ca_Kabuli_denovo	19952071	(T/A)
23129	CakSNP23129	<i>Kabuli</i>	Ca_Kabuli_denovo	19953836	(C/T)
23130	CakSNP23130	<i>Kabuli</i>	Ca_Kabuli_denovo	19953839	(T/G)
23131	CakSNP23131	<i>Kabuli</i>	Ca_Kabuli_denovo	19954188	(C/G)
23132	CakSNP23132	<i>Kabuli</i>	Ca_Kabuli_denovo	19955948	(G/C)
23133	CakSNP23133	<i>Kabuli</i>	Ca_Kabuli_denovo	19956797	(C/T)
23134	CakSNP23134	<i>Kabuli</i>	Ca_Kabuli_denovo	19958097	(C/G)
23135	CakSNP23135	<i>Kabuli</i>	Ca_Kabuli_denovo	19958902	(A/G)
23136	CakSNP23136	<i>Kabuli</i>	Ca_Kabuli_denovo	19963409	(G/A)
23137	CakSNP23137	<i>Kabuli</i>	Ca_Kabuli_denovo	19968457	(G/A)
23138	CakSNP23138	<i>Kabuli</i>	Ca_Kabuli_denovo	19975434	(T/A)
23139	CakSNP23139	<i>Kabuli</i>	Ca_Kabuli_denovo	19975893	(G/A)
23140	CakSNP23140	<i>Kabuli</i>	Ca_Kabuli_denovo	19975905	(G/C)
23141	CakSNP23141	<i>Kabuli</i>	Ca_Kabuli_denovo	19984691	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23142	CakSNP23142	<i>Kabuli</i>	Ca_Kabuli_denovo	19989240	(G/A)
23143	CakSNP23143	<i>Kabuli</i>	Ca_Kabuli_denovo	19989273	(A/G)
23144	CakSNP23144	<i>Kabuli</i>	Ca_Kabuli_denovo	19997189	(A/C)
23145	CakSNP23145	<i>Kabuli</i>	Ca_Kabuli_denovo	19997192	(C/G)
23146	CakSNP23146	<i>Kabuli</i>	Ca_Kabuli_denovo	19998340	(T/C)
23147	CakSNP23147	<i>Kabuli</i>	Ca_Kabuli_denovo	20000681	(G/A)
23148	CakSNP23148	<i>Kabuli</i>	Ca_Kabuli_denovo	20000697	(T/C)
23149	CakSNP23149	<i>Kabuli</i>	Ca_Kabuli_denovo	20000708	(T/C)
23150	CakSNP23150	<i>Kabuli</i>	Ca_Kabuli_denovo	20005079	(G/A)
23151	CakSNP23151	<i>Kabuli</i>	Ca_Kabuli_denovo	20017910	(C/G)
23152	CakSNP23152	<i>Kabuli</i>	Ca_Kabuli_denovo	20017928	(T/C)
23153	CakSNP23153	<i>Kabuli</i>	Ca_Kabuli_denovo	20018908	(C/G)
23154	CakSNP23154	<i>Kabuli</i>	Ca_Kabuli_denovo	20018920	(C/T)
23155	CakSNP23155	<i>Kabuli</i>	Ca_Kabuli_denovo	20024896	(C/G)
23156	CakSNP23156	<i>Kabuli</i>	Ca_Kabuli_denovo	20024947	(C/A)
23157	CakSNP23157	<i>Kabuli</i>	Ca_Kabuli_denovo	20025608	(A/G)
23158	CakSNP23158	<i>Kabuli</i>	Ca_Kabuli_denovo	20025654	(G/A)
23159	CakSNP23159	<i>Kabuli</i>	Ca_Kabuli_denovo	20026305	(T/C)
23160	CakSNP23160	<i>Kabuli</i>	Ca_Kabuli_denovo	20027451	(G/C)
23161	CakSNP23161	<i>Kabuli</i>	Ca_Kabuli_denovo	20035598	(C/T)
23162	CakSNP23162	<i>Kabuli</i>	Ca_Kabuli_denovo	20035633	(G/C)
23163	CakSNP23163	<i>Kabuli</i>	Ca_Kabuli_denovo	20038648	(G/C)
23164	CakSNP23164	<i>Kabuli</i>	Ca_Kabuli_denovo	20038704	(A/G)
23165	CakSNP23165	<i>Kabuli</i>	Ca_Kabuli_denovo	20040215	(T/A)
23166	CakSNP23166	<i>Kabuli</i>	Ca_Kabuli_denovo	20042344	(T/C)
23167	CakSNP23167	<i>Kabuli</i>	Ca_Kabuli_denovo	20044804	(C/G)
23168	CakSNP23168	<i>Kabuli</i>	Ca_Kabuli_denovo	20044831	(C/T)
23169	CakSNP23169	<i>Kabuli</i>	Ca_Kabuli_denovo	20048966	(G/A)
23170	CakSNP23170	<i>Kabuli</i>	Ca_Kabuli_denovo	20056233	(G/C)
23171	CakSNP23171	<i>Kabuli</i>	Ca_Kabuli_denovo	20063573	(G/A)
23172	CakSNP23172	<i>Kabuli</i>	Ca_Kabuli_denovo	20068026	(G/C)
23173	CakSNP23173	<i>Kabuli</i>	Ca_Kabuli_denovo	20069077	(C/G)
23174	CakSNP23174	<i>Kabuli</i>	Ca_Kabuli_denovo	20074843	(C/A)
23175	CakSNP23175	<i>Kabuli</i>	Ca_Kabuli_denovo	20078987	(G/T)
23176	CakSNP23176	<i>Kabuli</i>	Ca_Kabuli_denovo	20081620	(C/A)
23177	CakSNP23177	<i>Kabuli</i>	Ca_Kabuli_denovo	20083394	(T/A)
23178	CakSNP23178	<i>Kabuli</i>	Ca_Kabuli_denovo	20083396	(T/C)
23179	CakSNP23179	<i>Kabuli</i>	Ca_Kabuli_denovo	20085531	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23180	CakSNP23180	<i>Kabuli</i>	Ca_Kabuli_denovo	20085546	(G/T)
23181	CakSNP23181	<i>Kabuli</i>	Ca_Kabuli_denovo	20087213	(T/C)
23182	CakSNP23182	<i>Kabuli</i>	Ca_Kabuli_denovo	20087214	(T/G)
23183	CakSNP23183	<i>Kabuli</i>	Ca_Kabuli_denovo	20101340	(C/G)
23184	CakSNP23184	<i>Kabuli</i>	Ca_Kabuli_denovo	20104647	(A/C)
23185	CakSNP23185	<i>Kabuli</i>	Ca_Kabuli_denovo	20104648	(G/C)
23186	CakSNP23186	<i>Kabuli</i>	Ca_Kabuli_denovo	20110626	(G/T)
23187	CakSNP23187	<i>Kabuli</i>	Ca_Kabuli_denovo	20110644	(C/T)
23188	CakSNP23188	<i>Kabuli</i>	Ca_Kabuli_denovo	20116483	(C/T)
23189	CakSNP23189	<i>Kabuli</i>	Ca_Kabuli_denovo	20119877	(A/G)
23190	CakSNP23190	<i>Kabuli</i>	Ca_Kabuli_denovo	20123545	(T/C)
23191	CakSNP23191	<i>Kabuli</i>	Ca_Kabuli_denovo	20123553	(A/G)
23192	CakSNP23192	<i>Kabuli</i>	Ca_Kabuli_denovo	20126594	(T/G)
23193	CakSNP23193	<i>Kabuli</i>	Ca_Kabuli_denovo	20126610	(G/C)
23194	CakSNP23194	<i>Kabuli</i>	Ca_Kabuli_denovo	20129287	(A/G)
23195	CakSNP23195	<i>Kabuli</i>	Ca_Kabuli_denovo	20129288	(A/T)
23196	CakSNP23196	<i>Kabuli</i>	Ca_Kabuli_denovo	20129305	(C/G)
23197	CakSNP23197	<i>Kabuli</i>	Ca_Kabuli_denovo	20131006	(G/A)
23198	CakSNP23198	<i>Kabuli</i>	Ca_Kabuli_denovo	20131170	(A/T)
23199	CakSNP23199	<i>Kabuli</i>	Ca_Kabuli_denovo	20134798	(A/C)
23200	CakSNP23200	<i>Kabuli</i>	Ca_Kabuli_denovo	20136511	(A/G)
23201	CakSNP23201	<i>Kabuli</i>	Ca_Kabuli_denovo	20137771	(G/A)
23202	CakSNP23202	<i>Kabuli</i>	Ca_Kabuli_denovo	20141248	(C/G)
23203	CakSNP23203	<i>Kabuli</i>	Ca_Kabuli_denovo	20142644	(G/A)
23204	CakSNP23204	<i>Kabuli</i>	Ca_Kabuli_denovo	20145625	(A/G)
23205	CakSNP23205	<i>Kabuli</i>	Ca_Kabuli_denovo	20145669	(C/G)
23206	CakSNP23206	<i>Kabuli</i>	Ca_Kabuli_denovo	20145687	(G/T)
23207	CakSNP23207	<i>Kabuli</i>	Ca_Kabuli_denovo	20150919	(C/T)
23208	CakSNP23208	<i>Kabuli</i>	Ca_Kabuli_denovo	20152100	(A/T)
23209	CakSNP23209	<i>Kabuli</i>	Ca_Kabuli_denovo	20156472	(T/C)
23210	CakSNP23210	<i>Kabuli</i>	Ca_Kabuli_denovo	20157125	(G/A)
23211	CakSNP23211	<i>Kabuli</i>	Ca_Kabuli_denovo	20157152	(T/C)
23212	CakSNP23212	<i>Kabuli</i>	Ca_Kabuli_denovo	20158810	(T/C)
23213	CakSNP23213	<i>Kabuli</i>	Ca_Kabuli_denovo	20159644	(T/C)
23214	CakSNP23214	<i>Kabuli</i>	Ca_Kabuli_denovo	20159683	(G/T)
23215	CakSNP23215	<i>Kabuli</i>	Ca_Kabuli_denovo	20161993	(T/C)
23216	CakSNP23216	<i>Kabuli</i>	Ca_Kabuli_denovo	20162803	(C/T)
23217	CakSNP23217	<i>Kabuli</i>	Ca_Kabuli_denovo	20162851	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23218	CakSNP23218	<i>Kabuli</i>	Ca_Kabuli_denovo	20164653	(T/C)
23219	CakSNP23219	<i>Kabuli</i>	Ca_Kabuli_denovo	20164656	(G/A)
23220	CakSNP23220	<i>Kabuli</i>	Ca_Kabuli_denovo	20170406	(A/G)
23221	CakSNP23221	<i>Kabuli</i>	Ca_Kabuli_denovo	20170473	(A/C)
23222	CakSNP23222	<i>Kabuli</i>	Ca_Kabuli_denovo	20180858	(T/G)
23223	CakSNP23223	<i>Kabuli</i>	Ca_Kabuli_denovo	20194916	(G/C)
23224	CakSNP23224	<i>Kabuli</i>	Ca_Kabuli_denovo	20194934	(A/C)
23225	CakSNP23225	<i>Kabuli</i>	Ca_Kabuli_denovo	20196346	(T/C)
23226	CakSNP23226	<i>Kabuli</i>	Ca_Kabuli_denovo	20200393	(T/C)
23227	CakSNP23227	<i>Kabuli</i>	Ca_Kabuli_denovo	20202734	(A/T)
23228	CakSNP23228	<i>Kabuli</i>	Ca_Kabuli_denovo	20202761	(A/G)
23229	CakSNP23229	<i>Kabuli</i>	Ca_Kabuli_denovo	20212724	(A/G)
23230	CakSNP23230	<i>Kabuli</i>	Ca_Kabuli_denovo	20212763	(G/A)
23231	CakSNP23231	<i>Kabuli</i>	Ca_Kabuli_denovo	20219887	(G/A)
23232	CakSNP23232	<i>Kabuli</i>	Ca_Kabuli_denovo	20220084	(G/A)
23233	CakSNP23233	<i>Kabuli</i>	Ca_Kabuli_denovo	20220098	(C/G)
23234	CakSNP23234	<i>Kabuli</i>	Ca_Kabuli_denovo	20230591	(C/T)
23235	CakSNP23235	<i>Kabuli</i>	Ca_Kabuli_denovo	20230657	(C/T)
23236	CakSNP23236	<i>Kabuli</i>	Ca_Kabuli_denovo	20236388	(A/G)
23237	CakSNP23237	<i>Kabuli</i>	Ca_Kabuli_denovo	20240633	(T/G)
23238	CakSNP23238	<i>Kabuli</i>	Ca_Kabuli_denovo	20240645	(C/G)
23239	CakSNP23239	<i>Kabuli</i>	Ca_Kabuli_denovo	20241466	(T/C)
23240	CakSNP23240	<i>Kabuli</i>	Ca_Kabuli_denovo	20241469	(G/A)
23241	CakSNP23241	<i>Kabuli</i>	Ca_Kabuli_denovo	20244579	(G/A)
23242	CakSNP23242	<i>Kabuli</i>	Ca_Kabuli_denovo	20249119	(C/A)
23243	CakSNP23243	<i>Kabuli</i>	Ca_Kabuli_denovo	20249316	(T/C)
23244	CakSNP23244	<i>Kabuli</i>	Ca_Kabuli_denovo	20249645	(T/C)
23245	CakSNP23245	<i>Kabuli</i>	Ca_Kabuli_denovo	20249668	(C/A)
23246	CakSNP23246	<i>Kabuli</i>	Ca_Kabuli_denovo	20257527	(C/G)
23247	CakSNP23247	<i>Kabuli</i>	Ca_Kabuli_denovo	20257528	(G/A)
23248	CakSNP23248	<i>Kabuli</i>	Ca_Kabuli_denovo	20260076	(C/G)
23249	CakSNP23249	<i>Kabuli</i>	Ca_Kabuli_denovo	20260108	(G/A)
23250	CakSNP23250	<i>Kabuli</i>	Ca_Kabuli_denovo	20264839	(T/C)
23251	CakSNP23251	<i>Kabuli</i>	Ca_Kabuli_denovo	20269376	(C/T)
23252	CakSNP23252	<i>Kabuli</i>	Ca_Kabuli_denovo	20269682	(T/G)
23253	CakSNP23253	<i>Kabuli</i>	Ca_Kabuli_denovo	20272800	(A/C)
23254	CakSNP23254	<i>Kabuli</i>	Ca_Kabuli_denovo	20272866	(C/G)
23255	CakSNP23255	<i>Kabuli</i>	Ca_Kabuli_denovo	20274219	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23256	CakSNP23256	<i>Kabuli</i>	Ca_Kabuli_denovo	20281838	(T/G)
23257	CakSNP23257	<i>Kabuli</i>	Ca_Kabuli_denovo	20283791	(G/A)
23258	CakSNP23258	<i>Kabuli</i>	Ca_Kabuli_denovo	20286365	(C/T)
23259	CakSNP23259	<i>Kabuli</i>	Ca_Kabuli_denovo	20286656	(G/A)
23260	CakSNP23260	<i>Kabuli</i>	Ca_Kabuli_denovo	20287498	(C/T)
23261	CakSNP23261	<i>Kabuli</i>	Ca_Kabuli_denovo	20287522	(T/C)
23262	CakSNP23262	<i>Kabuli</i>	Ca_Kabuli_denovo	20295694	(T/C)
23263	CakSNP23263	<i>Kabuli</i>	Ca_Kabuli_denovo	20295877	(A/G)
23264	CakSNP23264	<i>Kabuli</i>	Ca_Kabuli_denovo	20297276	(C/G)
23265	CakSNP23265	<i>Kabuli</i>	Ca_Kabuli_denovo	20297287	(T/C)
23266	CakSNP23266	<i>Kabuli</i>	Ca_Kabuli_denovo	20304659	(G/C)
23267	CakSNP23267	<i>Kabuli</i>	Ca_Kabuli_denovo	20307614	(C/T)
23268	CakSNP23268	<i>Kabuli</i>	Ca_Kabuli_denovo	20308015	(C/T)
23269	CakSNP23269	<i>Kabuli</i>	Ca_Kabuli_denovo	20309478	(T/C)
23270	CakSNP23270	<i>Kabuli</i>	Ca_Kabuli_denovo	20309524	(C/T)
23271	CakSNP23271	<i>Kabuli</i>	Ca_Kabuli_denovo	20309582	(A/C)
23272	CakSNP23272	<i>Kabuli</i>	Ca_Kabuli_denovo	20313491	(T/C)
23273	CakSNP23273	<i>Kabuli</i>	Ca_Kabuli_denovo	20317455	(G/T)
23274	CakSNP23274	<i>Kabuli</i>	Ca_Kabuli_denovo	20318783	(C/T)
23275	CakSNP23275	<i>Kabuli</i>	Ca_Kabuli_denovo	20319883	(T/G)
23276	CakSNP23276	<i>Kabuli</i>	Ca_Kabuli_denovo	20321059	(T/G)
23277	CakSNP23277	<i>Kabuli</i>	Ca_Kabuli_denovo	20333539	(G/T)
23278	CakSNP23278	<i>Kabuli</i>	Ca_Kabuli_denovo	20333593	(G/C)
23279	CakSNP23279	<i>Kabuli</i>	Ca_Kabuli_denovo	20338885	(G/A)
23280	CakSNP23280	<i>Kabuli</i>	Ca_Kabuli_denovo	20339572	(A/T)
23281	CakSNP23281	<i>Kabuli</i>	Ca_Kabuli_denovo	20355762	(C/T)
23282	CakSNP23282	<i>Kabuli</i>	Ca_Kabuli_denovo	20359839	(A/G)
23283	CakSNP23283	<i>Kabuli</i>	Ca_Kabuli_denovo	20360563	(C/T)
23284	CakSNP23284	<i>Kabuli</i>	Ca_Kabuli_denovo	20362457	(C/T)
23285	CakSNP23285	<i>Kabuli</i>	Ca_Kabuli_denovo	20367494	(C/T)
23286	CakSNP23286	<i>Kabuli</i>	Ca_Kabuli_denovo	20368379	(A/T)
23287	CakSNP23287	<i>Kabuli</i>	Ca_Kabuli_denovo	20370821	(T/C)
23288	CakSNP23288	<i>Kabuli</i>	Ca_Kabuli_denovo	20375797	(A/G)
23289	CakSNP23289	<i>Kabuli</i>	Ca_Kabuli_denovo	20375808	(G/A)
23290	CakSNP23290	<i>Kabuli</i>	Ca_Kabuli_denovo	20380039	(G/C)
23291	CakSNP23291	<i>Kabuli</i>	Ca_Kabuli_denovo	20386266	(G/A)
23292	CakSNP23292	<i>Kabuli</i>	Ca_Kabuli_denovo	20386332	(A/G)
23293	CakSNP23293	<i>Kabuli</i>	Ca_Kabuli_denovo	20393328	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23294	CakSNP23294	<i>Kabuli</i>	Ca_Kabuli_denovo	20396493	(A/G)
23295	CakSNP23295	<i>Kabuli</i>	Ca_Kabuli_denovo	20407673	(G/C)
23296	CakSNP23296	<i>Kabuli</i>	Ca_Kabuli_denovo	20407694	(C/G)
23297	CakSNP23297	<i>Kabuli</i>	Ca_Kabuli_denovo	20411690	(A/G)
23298	CakSNP23298	<i>Kabuli</i>	Ca_Kabuli_denovo	20416894	(G/A)
23299	CakSNP23299	<i>Kabuli</i>	Ca_Kabuli_denovo	20416922	(T/C)
23300	CakSNP23300	<i>Kabuli</i>	Ca_Kabuli_denovo	20418994	(G/A)
23301	CakSNP23301	<i>Kabuli</i>	Ca_Kabuli_denovo	20424469	(A/G)
23302	CakSNP23302	<i>Kabuli</i>	Ca_Kabuli_denovo	20424475	(T/G)
23303	CakSNP23303	<i>Kabuli</i>	Ca_Kabuli_denovo	20426830	(C/G)
23304	CakSNP23304	<i>Kabuli</i>	Ca_Kabuli_denovo	20426890	(G/C)
23305	CakSNP23305	<i>Kabuli</i>	Ca_Kabuli_denovo	20450527	(C/T)
23306	CakSNP23306	<i>Kabuli</i>	Ca_Kabuli_denovo	20450551	(T/C)
23307	CakSNP23307	<i>Kabuli</i>	Ca_Kabuli_denovo	20462740	(T/C)
23308	CakSNP23308	<i>Kabuli</i>	Ca_Kabuli_denovo	20463827	(T/C)
23309	CakSNP23309	<i>Kabuli</i>	Ca_Kabuli_denovo	20463839	(C/T)
23310	CakSNP23310	<i>Kabuli</i>	Ca_Kabuli_denovo	20464124	(C/T)
23311	CakSNP23311	<i>Kabuli</i>	Ca_Kabuli_denovo	20464330	(G/T)
23312	CakSNP23312	<i>Kabuli</i>	Ca_Kabuli_denovo	20464352	(G/A)
23313	CakSNP23313	<i>Kabuli</i>	Ca_Kabuli_denovo	20466839	(C/T)
23314	CakSNP23314	<i>Kabuli</i>	Ca_Kabuli_denovo	20471359	(G/C)
23315	CakSNP23315	<i>Kabuli</i>	Ca_Kabuli_denovo	20473596	(G/A)
23316	CakSNP23316	<i>Kabuli</i>	Ca_Kabuli_denovo	20473597	(T/C)
23317	CakSNP23317	<i>Kabuli</i>	Ca_Kabuli_denovo	20474659	(A/G)
23318	CakSNP23318	<i>Kabuli</i>	Ca_Kabuli_denovo	20474660	(G/A)
23319	CakSNP23319	<i>Kabuli</i>	Ca_Kabuli_denovo	20486435	(C/A)
23320	CakSNP23320	<i>Kabuli</i>	Ca_Kabuli_denovo	20486468	(A/G)
23321	CakSNP23321	<i>Kabuli</i>	Ca_Kabuli_denovo	20490102	(C/A)
23322	CakSNP23322	<i>Kabuli</i>	Ca_Kabuli_denovo	20501163	(C/T)
23323	CakSNP23323	<i>Kabuli</i>	Ca_Kabuli_denovo	20511427	(A/C)
23324	CakSNP23324	<i>Kabuli</i>	Ca_Kabuli_denovo	20511808	(G/A)
23325	CakSNP23325	<i>Kabuli</i>	Ca_Kabuli_denovo	20516470	(C/T)
23326	CakSNP23326	<i>Kabuli</i>	Ca_Kabuli_denovo	20517433	(C/T)
23327	CakSNP23327	<i>Kabuli</i>	Ca_Kabuli_denovo	20522644	(C/T)
23328	CakSNP23328	<i>Kabuli</i>	Ca_Kabuli_denovo	20522665	(T/A)
23329	CakSNP23329	<i>Kabuli</i>	Ca_Kabuli_denovo	20541587	(C/G)
23330	CakSNP23330	<i>Kabuli</i>	Ca_Kabuli_denovo	20542211	(A/G)
23331	CakSNP23331	<i>Kabuli</i>	Ca_Kabuli_denovo	20546414	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23332	CakSNP23332	<i>Kabuli</i>	Ca_Kabuli_denovo	20546702	(G/A)
23333	CakSNP23333	<i>Kabuli</i>	Ca_Kabuli_denovo	20546714	(G/A)
23334	CakSNP23334	<i>Kabuli</i>	Ca_Kabuli_denovo	20549051	(C/G)
23335	CakSNP23335	<i>Kabuli</i>	Ca_Kabuli_denovo	20554469	(G/T)
23336	CakSNP23336	<i>Kabuli</i>	Ca_Kabuli_denovo	20555467	(T/G)
23337	CakSNP23337	<i>Kabuli</i>	Ca_Kabuli_denovo	20555488	(T/C)
23338	CakSNP23338	<i>Kabuli</i>	Ca_Kabuli_denovo	20567620	(G/T)
23339	CakSNP23339	<i>Kabuli</i>	Ca_Kabuli_denovo	20567674	(G/C)
23340	CakSNP23340	<i>Kabuli</i>	Ca_Kabuli_denovo	20568646	(A/G)
23341	CakSNP23341	<i>Kabuli</i>	Ca_Kabuli_denovo	20569289	(G/A)
23342	CakSNP23342	<i>Kabuli</i>	Ca_Kabuli_denovo	20571818	(T/C)
23343	CakSNP23343	<i>Kabuli</i>	Ca_Kabuli_denovo	20571867	(C/A)
23344	CakSNP23344	<i>Kabuli</i>	Ca_Kabuli_denovo	20577212	(G/A)
23345	CakSNP23345	<i>Kabuli</i>	Ca_Kabuli_denovo	20577218	(C/T)
23346	CakSNP23346	<i>Kabuli</i>	Ca_Kabuli_denovo	20581578	(G/A)
23347	CakSNP23347	<i>Kabuli</i>	Ca_Kabuli_denovo	20584509	(T/C)
23348	CakSNP23348	<i>Kabuli</i>	Ca_Kabuli_denovo	20588181	(G/C)
23349	CakSNP23349	<i>Kabuli</i>	Ca_Kabuli_denovo	20588184	(T/C)
23350	CakSNP23350	<i>Kabuli</i>	Ca_Kabuli_denovo	20588933	(A/G)
23351	CakSNP23351	<i>Kabuli</i>	Ca_Kabuli_denovo	20588955	(C/T)
23352	CakSNP23352	<i>Kabuli</i>	Ca_Kabuli_denovo	20591069	(C/T)
23353	CakSNP23353	<i>Kabuli</i>	Ca_Kabuli_denovo	20591637	(G/A)
23354	CakSNP23354	<i>Kabuli</i>	Ca_Kabuli_denovo	20591679	(C/G)
23355	CakSNP23355	<i>Kabuli</i>	Ca_Kabuli_denovo	20597291	(C/T)
23356	CakSNP23356	<i>Kabuli</i>	Ca_Kabuli_denovo	20603510	(C/G)
23357	CakSNP23357	<i>Kabuli</i>	Ca_Kabuli_denovo	20608014	(T/C)
23358	CakSNP23358	<i>Kabuli</i>	Ca_Kabuli_denovo	20608016	(G/C)
23359	CakSNP23359	<i>Kabuli</i>	Ca_Kabuli_denovo	20608286	(G/A)
23360	CakSNP23360	<i>Kabuli</i>	Ca_Kabuli_denovo	20608691	(A/G)
23361	CakSNP23361	<i>Kabuli</i>	Ca_Kabuli_denovo	20610844	(G/A)
23362	CakSNP23362	<i>Kabuli</i>	Ca_Kabuli_denovo	20618225	(C/A)
23363	CakSNP23363	<i>Kabuli</i>	Ca_Kabuli_denovo	20620363	(T/C)
23364	CakSNP23364	<i>Kabuli</i>	Ca_Kabuli_denovo	20621301	(A/G)
23365	CakSNP23365	<i>Kabuli</i>	Ca_Kabuli_denovo	20622012	(G/A)
23366	CakSNP23366	<i>Kabuli</i>	Ca_Kabuli_denovo	20624246	(T/C)
23367	CakSNP23367	<i>Kabuli</i>	Ca_Kabuli_denovo	20624249	(A/G)
23368	CakSNP23368	<i>Kabuli</i>	Ca_Kabuli_denovo	20626274	(T/C)
23369	CakSNP23369	<i>Kabuli</i>	Ca_Kabuli_denovo	20626284	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23370	CakSNP23370	<i>Kabuli</i>	Ca_Kabuli_denovo	20629298	(G/A)
23371	CakSNP23371	<i>Kabuli</i>	Ca_Kabuli_denovo	20629762	(T/C)
23372	CakSNP23372	<i>Kabuli</i>	Ca_Kabuli_denovo	20629816	(C/T)
23373	CakSNP23373	<i>Kabuli</i>	Ca_Kabuli_denovo	20629867	(T/C)
23374	CakSNP23374	<i>Kabuli</i>	Ca_Kabuli_denovo	20631581	(A/C)
23375	CakSNP23375	<i>Kabuli</i>	Ca_Kabuli_denovo	20632830	(A/T)
23376	CakSNP23376	<i>Kabuli</i>	Ca_Kabuli_denovo	20632874	(G/A)
23377	CakSNP23377	<i>Kabuli</i>	Ca_Kabuli_denovo	20644947	(G/A)
23378	CakSNP23378	<i>Kabuli</i>	Ca_Kabuli_denovo	20647462	(G/A)
23379	CakSNP23379	<i>Kabuli</i>	Ca_Kabuli_denovo	20647463	(T/A)
23380	CakSNP23380	<i>Kabuli</i>	Ca_Kabuli_denovo	20649939	(C/T)
23381	CakSNP23381	<i>Kabuli</i>	Ca_Kabuli_denovo	20649985	(G/A)
23382	CakSNP23382	<i>Kabuli</i>	Ca_Kabuli_denovo	20651807	(T/C)
23383	CakSNP23383	<i>Kabuli</i>	Ca_Kabuli_denovo	20652253	(G/A)
23384	CakSNP23384	<i>Kabuli</i>	Ca_Kabuli_denovo	20652319	(C/G)
23385	CakSNP23385	<i>Kabuli</i>	Ca_Kabuli_denovo	20655181	(A/G)
23386	CakSNP23386	<i>Kabuli</i>	Ca_Kabuli_denovo	20655205	(C/T)
23387	CakSNP23387	<i>Kabuli</i>	Ca_Kabuli_denovo	20658706	(G/C)
23388	CakSNP23388	<i>Kabuli</i>	Ca_Kabuli_denovo	20659695	(A/G)
23389	CakSNP23389	<i>Kabuli</i>	Ca_Kabuli_denovo	20660543	(A/G)
23390	CakSNP23390	<i>Kabuli</i>	Ca_Kabuli_denovo	20661734	(G/A)
23391	CakSNP23391	<i>Kabuli</i>	Ca_Kabuli_denovo	20663129	(C/T)
23392	CakSNP23392	<i>Kabuli</i>	Ca_Kabuli_denovo	20663431	(A/G)
23393	CakSNP23393	<i>Kabuli</i>	Ca_Kabuli_denovo	20663481	(G/C)
23394	CakSNP23394	<i>Kabuli</i>	Ca_Kabuli_denovo	20664732	(A/G)
23395	CakSNP23395	<i>Kabuli</i>	Ca_Kabuli_denovo	20666474	(G/A)
23396	CakSNP23396	<i>Kabuli</i>	Ca_Kabuli_denovo	20666533	(T/C)
23397	CakSNP23397	<i>Kabuli</i>	Ca_Kabuli_denovo	20671435	(G/T)
23398	CakSNP23398	<i>Kabuli</i>	Ca_Kabuli_denovo	20671438	(T/C)
23399	CakSNP23399	<i>Kabuli</i>	Ca_Kabuli_denovo	20671699	(G/A)
23400	CakSNP23400	<i>Kabuli</i>	Ca_Kabuli_denovo	20674290	(T/C)
23401	CakSNP23401	<i>Kabuli</i>	Ca_Kabuli_denovo	20674470	(G/T)
23402	CakSNP23402	<i>Kabuli</i>	Ca_Kabuli_denovo	20674471	(G/T)
23403	CakSNP23403	<i>Kabuli</i>	Ca_Kabuli_denovo	20674987	(G/T)
23404	CakSNP23404	<i>Kabuli</i>	Ca_Kabuli_denovo	20675794	(T/G)
23405	CakSNP23405	<i>Kabuli</i>	Ca_Kabuli_denovo	20675819	(T/G)
23406	CakSNP23406	<i>Kabuli</i>	Ca_Kabuli_denovo	20676549	(T/C)
23407	CakSNP23407	<i>Kabuli</i>	Ca_Kabuli_denovo	20679128	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23408	CakSNP23408	<i>Kabuli</i>	Ca_Kabuli_denovo	20681826	(C/T)
23409	CakSNP23409	<i>Kabuli</i>	Ca_Kabuli_denovo	20681874	(G/C)
23410	CakSNP23410	<i>Kabuli</i>	Ca_Kabuli_denovo	20682581	(T/C)
23411	CakSNP23411	<i>Kabuli</i>	Ca_Kabuli_denovo	20682638	(C/T)
23412	CakSNP23412	<i>Kabuli</i>	Ca_Kabuli_denovo	20692335	(G/C)
23413	CakSNP23413	<i>Kabuli</i>	Ca_Kabuli_denovo	20692407	(A/C)
23414	CakSNP23414	<i>Kabuli</i>	Ca_Kabuli_denovo	20693892	(G/T)
23415	CakSNP23415	<i>Kabuli</i>	Ca_Kabuli_denovo	20697315	(A/G)
23416	CakSNP23416	<i>Kabuli</i>	Ca_Kabuli_denovo	20698586	(G/T)
23417	CakSNP23417	<i>Kabuli</i>	Ca_Kabuli_denovo	20702486	(G/C)
23418	CakSNP23418	<i>Kabuli</i>	Ca_Kabuli_denovo	20702493	(C/G)
23419	CakSNP23419	<i>Kabuli</i>	Ca_Kabuli_denovo	20706779	(G/T)
23420	CakSNP23420	<i>Kabuli</i>	Ca_Kabuli_denovo	20706816	(A/T)
23421	CakSNP23421	<i>Kabuli</i>	Ca_Kabuli_denovo	20710940	(G/A)
23422	CakSNP23422	<i>Kabuli</i>	Ca_Kabuli_denovo	20712713	(G/C)
23423	CakSNP23423	<i>Kabuli</i>	Ca_Kabuli_denovo	20712728	(C/T)
23424	CakSNP23424	<i>Kabuli</i>	Ca_Kabuli_denovo	20713275	(G/A)
23425	CakSNP23425	<i>Kabuli</i>	Ca_Kabuli_denovo	20715271	(G/A)
23426	CakSNP23426	<i>Kabuli</i>	Ca_Kabuli_denovo	20720557	(A/G)
23427	CakSNP23427	<i>Kabuli</i>	Ca_Kabuli_denovo	20723873	(C/G)
23428	CakSNP23428	<i>Kabuli</i>	Ca_Kabuli_denovo	20723876	(A/G)
23429	CakSNP23429	<i>Kabuli</i>	Ca_Kabuli_denovo	20725341	(A/G)
23430	CakSNP23430	<i>Kabuli</i>	Ca_Kabuli_denovo	20725359	(C/G)
23431	CakSNP23431	<i>Kabuli</i>	Ca_Kabuli_denovo	20727759	(C/G)
23432	CakSNP23432	<i>Kabuli</i>	Ca_Kabuli_denovo	20727764	(G/C)
23433	CakSNP23433	<i>Kabuli</i>	Ca_Kabuli_denovo	20740597	(A/G)
23434	CakSNP23434	<i>Kabuli</i>	Ca_Kabuli_denovo	20740642	(C/G)
23435	CakSNP23435	<i>Kabuli</i>	Ca_Kabuli_denovo	20743843	(A/G)
23436	CakSNP23436	<i>Kabuli</i>	Ca_Kabuli_denovo	20760598	(T/G)
23437	CakSNP23437	<i>Kabuli</i>	Ca_Kabuli_denovo	20765039	(A/C)
23438	CakSNP23438	<i>Kabuli</i>	Ca_Kabuli_denovo	20765041	(A/G)
23439	CakSNP23439	<i>Kabuli</i>	Ca_Kabuli_denovo	20773882	(C/A)
23440	CakSNP23440	<i>Kabuli</i>	Ca_Kabuli_denovo	20777272	(G/T)
23441	CakSNP23441	<i>Kabuli</i>	Ca_Kabuli_denovo	20777274	(T/C)
23442	CakSNP23442	<i>Kabuli</i>	Ca_Kabuli_denovo	20782360	(T/C)
23443	CakSNP23443	<i>Kabuli</i>	Ca_Kabuli_denovo	20789033	(T/C)
23444	CakSNP23444	<i>Kabuli</i>	Ca_Kabuli_denovo	20790116	(A/C)
23445	CakSNP23445	<i>Kabuli</i>	Ca_Kabuli_denovo	20790127	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23446	CakSNP23446	<i>Kabuli</i>	Ca_Kabuli_denovo	20800334	(G/C)
23447	CakSNP23447	<i>Kabuli</i>	Ca_Kabuli_denovo	20801433	(G/A)
23448	CakSNP23448	<i>Kabuli</i>	Ca_Kabuli_denovo	20801457	(A/C)
23449	CakSNP23449	<i>Kabuli</i>	Ca_Kabuli_denovo	20806916	(G/A)
23450	CakSNP23450	<i>Kabuli</i>	Ca_Kabuli_denovo	20820671	(G/A)
23451	CakSNP23451	<i>Kabuli</i>	Ca_Kabuli_denovo	20820733	(T/C)
23452	CakSNP23452	<i>Kabuli</i>	Ca_Kabuli_denovo	20822191	(C/G)
23453	CakSNP23453	<i>Kabuli</i>	Ca_Kabuli_denovo	20827366	(C/G)
23454	CakSNP23454	<i>Kabuli</i>	Ca_Kabuli_denovo	20827408	(C/G)
23455	CakSNP23455	<i>Kabuli</i>	Ca_Kabuli_denovo	20828077	(G/T)
23456	CakSNP23456	<i>Kabuli</i>	Ca_Kabuli_denovo	20840036	(A/T)
23457	CakSNP23457	<i>Kabuli</i>	Ca_Kabuli_denovo	20848569	(C/T)
23458	CakSNP23458	<i>Kabuli</i>	Ca_Kabuli_denovo	20850730	(C/G)
23459	CakSNP23459	<i>Kabuli</i>	Ca_Kabuli_denovo	20858746	(C/T)
23460	CakSNP23460	<i>Kabuli</i>	Ca_Kabuli_denovo	20858776	(G/T)
23461	CakSNP23461	<i>Kabuli</i>	Ca_Kabuli_denovo	20859779	(C/G)
23462	CakSNP23462	<i>Kabuli</i>	Ca_Kabuli_denovo	20859806	(A/C)
23463	CakSNP23463	<i>Kabuli</i>	Ca_Kabuli_denovo	20865497	(C/T)
23464	CakSNP23464	<i>Kabuli</i>	Ca_Kabuli_denovo	20869412	(A/G)
23465	CakSNP23465	<i>Kabuli</i>	Ca_Kabuli_denovo	20870518	(G/T)
23466	CakSNP23466	<i>Kabuli</i>	Ca_Kabuli_denovo	20870556	(T/C)
23467	CakSNP23467	<i>Kabuli</i>	Ca_Kabuli_denovo	20877900	(G/C)
23468	CakSNP23468	<i>Kabuli</i>	Ca_Kabuli_denovo	20881291	(A/C)
23469	CakSNP23469	<i>Kabuli</i>	Ca_Kabuli_denovo	20889434	(C/T)
23470	CakSNP23470	<i>Kabuli</i>	Ca_Kabuli_denovo	20889463	(A/G)
23471	CakSNP23471	<i>Kabuli</i>	Ca_Kabuli_denovo	20890276	(G/A)
23472	CakSNP23472	<i>Kabuli</i>	Ca_Kabuli_denovo	20890735	(C/G)
23473	CakSNP23473	<i>Kabuli</i>	Ca_Kabuli_denovo	20891812	(G/T)
23474	CakSNP23474	<i>Kabuli</i>	Ca_Kabuli_denovo	20896658	(T/C)
23475	CakSNP23475	<i>Kabuli</i>	Ca_Kabuli_denovo	20899817	(G/A)
23476	CakSNP23476	<i>Kabuli</i>	Ca_Kabuli_denovo	20899873	(C/T)
23477	CakSNP23477	<i>Kabuli</i>	Ca_Kabuli_denovo	20901410	(G/A)
23478	CakSNP23478	<i>Kabuli</i>	Ca_Kabuli_denovo	20902136	(G/T)
23479	CakSNP23479	<i>Kabuli</i>	Ca_Kabuli_denovo	20902138	(C/G)
23480	CakSNP23480	<i>Kabuli</i>	Ca_Kabuli_denovo	20905216	(C/G)
23481	CakSNP23481	<i>Kabuli</i>	Ca_Kabuli_denovo	20909680	(A/G)
23482	CakSNP23482	<i>Kabuli</i>	Ca_Kabuli_denovo	20918685	(A/G)
23483	CakSNP23483	<i>Kabuli</i>	Ca_Kabuli_denovo	20920301	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23484	CakSNP23484	<i>Kabuli</i>	Ca_Kabuli_denovo	20927066	(C/T)
23485	CakSNP23485	<i>Kabuli</i>	Ca_Kabuli_denovo	20927075	(C/G)
23486	CakSNP23486	<i>Kabuli</i>	Ca_Kabuli_denovo	20930235	(A/G)
23487	CakSNP23487	<i>Kabuli</i>	Ca_Kabuli_denovo	20931160	(C/G)
23488	CakSNP23488	<i>Kabuli</i>	Ca_Kabuli_denovo	20932009	(C/G)
23489	CakSNP23489	<i>Kabuli</i>	Ca_Kabuli_denovo	20932069	(A/G)
23490	CakSNP23490	<i>Kabuli</i>	Ca_Kabuli_denovo	20935272	(C/T)
23491	CakSNP23491	<i>Kabuli</i>	Ca_Kabuli_denovo	20939058	(G/A)
23492	CakSNP23492	<i>Kabuli</i>	Ca_Kabuli_denovo	20942369	(T/G)
23493	CakSNP23493	<i>Kabuli</i>	Ca_Kabuli_denovo	20943817	(C/G)
23494	CakSNP23494	<i>Kabuli</i>	Ca_Kabuli_denovo	20943829	(C/T)
23495	CakSNP23495	<i>Kabuli</i>	Ca_Kabuli_denovo	20947352	(G/A)
23496	CakSNP23496	<i>Kabuli</i>	Ca_Kabuli_denovo	20952554	(G/C)
23497	CakSNP23497	<i>Kabuli</i>	Ca_Kabuli_denovo	20954312	(C/T)
23498	CakSNP23498	<i>Kabuli</i>	Ca_Kabuli_denovo	20954315	(T/C)
23499	CakSNP23499	<i>Kabuli</i>	Ca_Kabuli_denovo	20956282	(G/C)
23500	CakSNP23500	<i>Kabuli</i>	Ca_Kabuli_denovo	20956459	(C/T)
23501	CakSNP23501	<i>Kabuli</i>	Ca_Kabuli_denovo	20957959	(T/C)
23502	CakSNP23502	<i>Kabuli</i>	Ca_Kabuli_denovo	20959789	(T/A)
23503	CakSNP23503	<i>Kabuli</i>	Ca_Kabuli_denovo	20962222	(G/A)
23504	CakSNP23504	<i>Kabuli</i>	Ca_Kabuli_denovo	20962285	(A/G)
23505	CakSNP23505	<i>Kabuli</i>	Ca_Kabuli_denovo	20967037	(G/A)
23506	CakSNP23506	<i>Kabuli</i>	Ca_Kabuli_denovo	20975342	(A/G)
23507	CakSNP23507	<i>Kabuli</i>	Ca_Kabuli_denovo	20976175	(G/A)
23508	CakSNP23508	<i>Kabuli</i>	Ca_Kabuli_denovo	20976187	(A/G)
23509	CakSNP23509	<i>Kabuli</i>	Ca_Kabuli_denovo	20976285	(G/A)
23510	CakSNP23510	<i>Kabuli</i>	Ca_Kabuli_denovo	20978728	(G/A)
23511	CakSNP23511	<i>Kabuli</i>	Ca_Kabuli_denovo	20980830	(T/C)
23512	CakSNP23512	<i>Kabuli</i>	Ca_Kabuli_denovo	20980872	(T/C)
23513	CakSNP23513	<i>Kabuli</i>	Ca_Kabuli_denovo	20982688	(A/G)
23514	CakSNP23514	<i>Kabuli</i>	Ca_Kabuli_denovo	20982709	(G/T)
23515	CakSNP23515	<i>Kabuli</i>	Ca_Kabuli_denovo	20986531	(C/T)
23516	CakSNP23516	<i>Kabuli</i>	Ca_Kabuli_denovo	20987836	(A/G)
23517	CakSNP23517	<i>Kabuli</i>	Ca_Kabuli_denovo	20990243	(A/G)
23518	CakSNP23518	<i>Kabuli</i>	Ca_Kabuli_denovo	20990278	(C/A)
23519	CakSNP23519	<i>Kabuli</i>	Ca_Kabuli_denovo	20994487	(A/G)
23520	CakSNP23520	<i>Kabuli</i>	Ca_Kabuli_denovo	20994648	(A/C)
23521	CakSNP23521	<i>Kabuli</i>	Ca_Kabuli_denovo	20994656	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23522	CakSNP23522	<i>Kabuli</i>	Ca_Kabuli_denovo	20996617	(A/G)
23523	CakSNP23523	<i>Kabuli</i>	Ca_Kabuli_denovo	21002777	(T/C)
23524	CakSNP23524	<i>Kabuli</i>	Ca_Kabuli_denovo	21005000	(G/A)
23525	CakSNP23525	<i>Kabuli</i>	Ca_Kabuli_denovo	21005039	(G/A)
23526	CakSNP23526	<i>Kabuli</i>	Ca_Kabuli_denovo	21005600	(G/C)
23527	CakSNP23527	<i>Kabuli</i>	Ca_Kabuli_denovo	21005601	(C/T)
23528	CakSNP23528	<i>Kabuli</i>	Ca_Kabuli_denovo	21008057	(T/G)
23529	CakSNP23529	<i>Kabuli</i>	Ca_Kabuli_denovo	21008099	(G/C)
23530	CakSNP23530	<i>Kabuli</i>	Ca_Kabuli_denovo	21008633	(A/C)
23531	CakSNP23531	<i>Kabuli</i>	Ca_Kabuli_denovo	21008674	(C/G)
23532	CakSNP23532	<i>Kabuli</i>	Ca_Kabuli_denovo	21012356	(C/T)
23533	CakSNP23533	<i>Kabuli</i>	Ca_Kabuli_denovo	21012365	(C/T)
23534	CakSNP23534	<i>Kabuli</i>	Ca_Kabuli_denovo	21017170	(C/G)
23535	CakSNP23535	<i>Kabuli</i>	Ca_Kabuli_denovo	21017204	(G/A)
23536	CakSNP23536	<i>Kabuli</i>	Ca_Kabuli_denovo	21017243	(A/G)
23537	CakSNP23537	<i>Kabuli</i>	Ca_Kabuli_denovo	21020518	(G/A)
23538	CakSNP23538	<i>Kabuli</i>	Ca_Kabuli_denovo	21020548	(A/T)
23539	CakSNP23539	<i>Kabuli</i>	Ca_Kabuli_denovo	21024546	(T/C)
23540	CakSNP23540	<i>Kabuli</i>	Ca_Kabuli_denovo	21030016	(C/T)
23541	CakSNP23541	<i>Kabuli</i>	Ca_Kabuli_denovo	21044341	(C/T)
23542	CakSNP23542	<i>Kabuli</i>	Ca_Kabuli_denovo	21047977	(T/C)
23543	CakSNP23543	<i>Kabuli</i>	Ca_Kabuli_denovo	21061094	(T/A)
23544	CakSNP23544	<i>Kabuli</i>	Ca_Kabuli_denovo	21068365	(G/C)
23545	CakSNP23545	<i>Kabuli</i>	Ca_Kabuli_denovo	21068404	(G/T)
23546	CakSNP23546	<i>Kabuli</i>	Ca_Kabuli_denovo	21071286	(C/T)
23547	CakSNP23547	<i>Kabuli</i>	Ca_Kabuli_denovo	21077257	(A/G)
23548	CakSNP23548	<i>Kabuli</i>	Ca_Kabuli_denovo	21077281	(T/C)
23549	CakSNP23549	<i>Kabuli</i>	Ca_Kabuli_denovo	21082230	(G/T)
23550	CakSNP23550	<i>Kabuli</i>	Ca_Kabuli_denovo	21082236	(G/T)
23551	CakSNP23551	<i>Kabuli</i>	Ca_Kabuli_denovo	21082241	(T/G)
23552	CakSNP23552	<i>Kabuli</i>	Ca_Kabuli_denovo	21082258	(T/G)
23553	CakSNP23553	<i>Kabuli</i>	Ca_Kabuli_denovo	21084346	(T/G)
23554	CakSNP23554	<i>Kabuli</i>	Ca_Kabuli_denovo	21084718	(T/G)
23555	CakSNP23555	<i>Kabuli</i>	Ca_Kabuli_denovo	21084761	(A/G)
23556	CakSNP23556	<i>Kabuli</i>	Ca_Kabuli_denovo	21090649	(T/C)
23557	CakSNP23557	<i>Kabuli</i>	Ca_Kabuli_denovo	21090888	(C/G)
23558	CakSNP23558	<i>Kabuli</i>	Ca_Kabuli_denovo	21090964	(T/G)
23559	CakSNP23559	<i>Kabuli</i>	Ca_Kabuli_denovo	21090985	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23560	CakSNP23560	<i>Kabuli</i>	Ca_Kabuli_denovo	21100610	(C/T)
23561	CakSNP23561	<i>Kabuli</i>	Ca_Kabuli_denovo	21106642	(C/A)
23562	CakSNP23562	<i>Kabuli</i>	Ca_Kabuli_denovo	21106699	(A/C)
23563	CakSNP23563	<i>Kabuli</i>	Ca_Kabuli_denovo	21110848	(T/C)
23564	CakSNP23564	<i>Kabuli</i>	Ca_Kabuli_denovo	21113900	(T/C)
23565	CakSNP23565	<i>Kabuli</i>	Ca_Kabuli_denovo	21115327	(A/G)
23566	CakSNP23566	<i>Kabuli</i>	Ca_Kabuli_denovo	21115333	(A/G)
23567	CakSNP23567	<i>Kabuli</i>	Ca_Kabuli_denovo	21117191	(C/A)
23568	CakSNP23568	<i>Kabuli</i>	Ca_Kabuli_denovo	21117193	(A/G)
23569	CakSNP23569	<i>Kabuli</i>	Ca_Kabuli_denovo	21126652	(G/A)
23570	CakSNP23570	<i>Kabuli</i>	Ca_Kabuli_denovo	21126679	(A/G)
23571	CakSNP23571	<i>Kabuli</i>	Ca_Kabuli_denovo	21134870	(G/C)
23572	CakSNP23572	<i>Kabuli</i>	Ca_Kabuli_denovo	21144962	(T/A)
23573	CakSNP23573	<i>Kabuli</i>	Ca_Kabuli_denovo	21144985	(C/A)
23574	CakSNP23574	<i>Kabuli</i>	Ca_Kabuli_denovo	21147449	(T/C)
23575	CakSNP23575	<i>Kabuli</i>	Ca_Kabuli_denovo	21150332	(C/T)
23576	CakSNP23576	<i>Kabuli</i>	Ca_Kabuli_denovo	21154187	(C/T)
23577	CakSNP23577	<i>Kabuli</i>	Ca_Kabuli_denovo	21158231	(C/G)
23578	CakSNP23578	<i>Kabuli</i>	Ca_Kabuli_denovo	21160880	(G/A)
23579	CakSNP23579	<i>Kabuli</i>	Ca_Kabuli_denovo	21162260	(T/C)
23580	CakSNP23580	<i>Kabuli</i>	Ca_Kabuli_denovo	21162266	(A/G)
23581	CakSNP23581	<i>Kabuli</i>	Ca_Kabuli_denovo	21169177	(C/T)
23582	CakSNP23582	<i>Kabuli</i>	Ca_Kabuli_denovo	21173866	(C/A)
23583	CakSNP23583	<i>Kabuli</i>	Ca_Kabuli_denovo	21176854	(A/G)
23584	CakSNP23584	<i>Kabuli</i>	Ca_Kabuli_denovo	21176884	(G/A)
23585	CakSNP23585	<i>Kabuli</i>	Ca_Kabuli_denovo	21178432	(G/A)
23586	CakSNP23586	<i>Kabuli</i>	Ca_Kabuli_denovo	21179437	(A/G)
23587	CakSNP23587	<i>Kabuli</i>	Ca_Kabuli_denovo	21179446	(C/G)
23588	CakSNP23588	<i>Kabuli</i>	Ca_Kabuli_denovo	21181786	(T/C)
23589	CakSNP23589	<i>Kabuli</i>	Ca_Kabuli_denovo	21184619	(T/C)
23590	CakSNP23590	<i>Kabuli</i>	Ca_Kabuli_denovo	21184628	(T/C)
23591	CakSNP23591	<i>Kabuli</i>	Ca_Kabuli_denovo	21186065	(G/A)
23592	CakSNP23592	<i>Kabuli</i>	Ca_Kabuli_denovo	21186539	(G/T)
23593	CakSNP23593	<i>Kabuli</i>	Ca_Kabuli_denovo	21190874	(G/T)
23594	CakSNP23594	<i>Kabuli</i>	Ca_Kabuli_denovo	21194997	(C/T)
23595	CakSNP23595	<i>Kabuli</i>	Ca_Kabuli_denovo	21199835	(G/C)
23596	CakSNP23596	<i>Kabuli</i>	Ca_Kabuli_denovo	21200833	(T/G)
23597	CakSNP23597	<i>Kabuli</i>	Ca_Kabuli_denovo	21204235	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23598	CakSNP23598	<i>Kabuli</i>	Ca_Kabuli_denovo	21208112	(C/A)
23599	CakSNP23599	<i>Kabuli</i>	Ca_Kabuli_denovo	21208135	(A/G)
23600	CakSNP23600	<i>Kabuli</i>	Ca_Kabuli_denovo	21213971	(C/T)
23601	CakSNP23601	<i>Kabuli</i>	Ca_Kabuli_denovo	21221451	(T/G)
23602	CakSNP23602	<i>Kabuli</i>	Ca_Kabuli_denovo	21225048	(C/G)
23603	CakSNP23603	<i>Kabuli</i>	Ca_Kabuli_denovo	21225421	(G/C)
23604	CakSNP23604	<i>Kabuli</i>	Ca_Kabuli_denovo	21231167	(T/G)
23605	CakSNP23605	<i>Kabuli</i>	Ca_Kabuli_denovo	21232376	(C/T)
23606	CakSNP23606	<i>Kabuli</i>	Ca_Kabuli_denovo	21232394	(C/T)
23607	CakSNP23607	<i>Kabuli</i>	Ca_Kabuli_denovo	21244441	(C/T)
23608	CakSNP23608	<i>Kabuli</i>	Ca_Kabuli_denovo	21250052	(G/A)
23609	CakSNP23609	<i>Kabuli</i>	Ca_Kabuli_denovo	21250842	(G/A)
23610	CakSNP23610	<i>Kabuli</i>	Ca_Kabuli_denovo	21251182	(T/G)
23611	CakSNP23611	<i>Kabuli</i>	Ca_Kabuli_denovo	21254233	(T/C)
23612	CakSNP23612	<i>Kabuli</i>	Ca_Kabuli_denovo	21255077	(G/A)
23613	CakSNP23613	<i>Kabuli</i>	Ca_Kabuli_denovo	21255104	(G/C)
23614	CakSNP23614	<i>Kabuli</i>	Ca_Kabuli_denovo	21256294	(T/C)
23615	CakSNP23615	<i>Kabuli</i>	Ca_Kabuli_denovo	21262614	(C/G)
23616	CakSNP23616	<i>Kabuli</i>	Ca_Kabuli_denovo	21262652	(T/C)
23617	CakSNP23617	<i>Kabuli</i>	Ca_Kabuli_denovo	21267786	(A/G)
23618	CakSNP23618	<i>Kabuli</i>	Ca_Kabuli_denovo	21270928	(G/A)
23619	CakSNP23619	<i>Kabuli</i>	Ca_Kabuli_denovo	21271173	(G/A)
23620	CakSNP23620	<i>Kabuli</i>	Ca_Kabuli_denovo	21271385	(C/A)
23621	CakSNP23621	<i>Kabuli</i>	Ca_Kabuli_denovo	21272775	(A/G)
23622	CakSNP23622	<i>Kabuli</i>	Ca_Kabuli_denovo	21277217	(C/T)
23623	CakSNP23623	<i>Kabuli</i>	Ca_Kabuli_denovo	21277218	(C/T)
23624	CakSNP23624	<i>Kabuli</i>	Ca_Kabuli_denovo	21279072	(C/T)
23625	CakSNP23625	<i>Kabuli</i>	Ca_Kabuli_denovo	21279083	(A/G)
23626	CakSNP23626	<i>Kabuli</i>	Ca_Kabuli_denovo	21282944	(G/A)
23627	CakSNP23627	<i>Kabuli</i>	Ca_Kabuli_denovo	21283436	(C/T)
23628	CakSNP23628	<i>Kabuli</i>	Ca_Kabuli_denovo	21284173	(C/G)
23629	CakSNP23629	<i>Kabuli</i>	Ca_Kabuli_denovo	21295065	(G/C)
23630	CakSNP23630	<i>Kabuli</i>	Ca_Kabuli_denovo	21295070	(T/C)
23631	CakSNP23631	<i>Kabuli</i>	Ca_Kabuli_denovo	21296946	(T/A)
23632	CakSNP23632	<i>Kabuli</i>	Ca_Kabuli_denovo	21296983	(G/A)
23633	CakSNP23633	<i>Kabuli</i>	Ca_Kabuli_denovo	21298616	(T/C)
23634	CakSNP23634	<i>Kabuli</i>	Ca_Kabuli_denovo	21307635	(G/A)
23635	CakSNP23635	<i>Kabuli</i>	Ca_Kabuli_denovo	21308677	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23636	CakSNP23636	<i>Kabuli</i>	Ca_Kabuli_denovo	21318213	(A/C)
23637	CakSNP23637	<i>Kabuli</i>	Ca_Kabuli_denovo	21329472	(A/G)
23638	CakSNP23638	<i>Kabuli</i>	Ca_Kabuli_denovo	21331823	(C/A)
23639	CakSNP23639	<i>Kabuli</i>	Ca_Kabuli_denovo	21331826	(C/G)
23640	CakSNP23640	<i>Kabuli</i>	Ca_Kabuli_denovo	21332074	(C/T)
23641	CakSNP23641	<i>Kabuli</i>	Ca_Kabuli_denovo	21332076	(A/G)
23642	CakSNP23642	<i>Kabuli</i>	Ca_Kabuli_denovo	21341423	(C/T)
23643	CakSNP23643	<i>Kabuli</i>	Ca_Kabuli_denovo	21341964	(T/C)
23644	CakSNP23644	<i>Kabuli</i>	Ca_Kabuli_denovo	21343141	(C/T)
23645	CakSNP23645	<i>Kabuli</i>	Ca_Kabuli_denovo	21344835	(G/C)
23646	CakSNP23646	<i>Kabuli</i>	Ca_Kabuli_denovo	21348438	(G/A)
23647	CakSNP23647	<i>Kabuli</i>	Ca_Kabuli_denovo	21348450	(T/C)
23648	CakSNP23648	<i>Kabuli</i>	Ca_Kabuli_denovo	21349005	(C/A)
23649	CakSNP23649	<i>Kabuli</i>	Ca_Kabuli_denovo	21351422	(A/T)
23650	CakSNP23650	<i>Kabuli</i>	Ca_Kabuli_denovo	21356826	(T/C)
23651	CakSNP23651	<i>Kabuli</i>	Ca_Kabuli_denovo	21356851	(C/G)
23652	CakSNP23652	<i>Kabuli</i>	Ca_Kabuli_denovo	21358482	(G/A)
23653	CakSNP23653	<i>Kabuli</i>	Ca_Kabuli_denovo	21358524	(C/T)
23654	CakSNP23654	<i>Kabuli</i>	Ca_Kabuli_denovo	21361581	(C/T)
23655	CakSNP23655	<i>Kabuli</i>	Ca_Kabuli_denovo	21366756	(G/T)
23656	CakSNP23656	<i>Kabuli</i>	Ca_Kabuli_denovo	21367515	(G/C)
23657	CakSNP23657	<i>Kabuli</i>	Ca_Kabuli_denovo	21367533	(T/C)
23658	CakSNP23658	<i>Kabuli</i>	Ca_Kabuli_denovo	21367537	(C/A)
23659	CakSNP23659	<i>Kabuli</i>	Ca_Kabuli_denovo	21372130	(G/A)
23660	CakSNP23660	<i>Kabuli</i>	Ca_Kabuli_denovo	21377916	(G/A)
23661	CakSNP23661	<i>Kabuli</i>	Ca_Kabuli_denovo	21377970	(T/C)
23662	CakSNP23662	<i>Kabuli</i>	Ca_Kabuli_denovo	21380467	(C/T)
23663	CakSNP23663	<i>Kabuli</i>	Ca_Kabuli_denovo	21381098	(G/A)
23664	CakSNP23664	<i>Kabuli</i>	Ca_Kabuli_denovo	21381144	(C/A)
23665	CakSNP23665	<i>Kabuli</i>	Ca_Kabuli_denovo	21384365	(C/T)
23666	CakSNP23666	<i>Kabuli</i>	Ca_Kabuli_denovo	21384367	(G/A)
23667	CakSNP23667	<i>Kabuli</i>	Ca_Kabuli_denovo	21385344	(T/G)
23668	CakSNP23668	<i>Kabuli</i>	Ca_Kabuli_denovo	21393480	(A/G)
23669	CakSNP23669	<i>Kabuli</i>	Ca_Kabuli_denovo	21393528	(G/A)
23670	CakSNP23670	<i>Kabuli</i>	Ca_Kabuli_denovo	21399407	(A/T)
23671	CakSNP23671	<i>Kabuli</i>	Ca_Kabuli_denovo	21399412	(G/A)
23672	CakSNP23672	<i>Kabuli</i>	Ca_Kabuli_denovo	21400517	(C/T)
23673	CakSNP23673	<i>Kabuli</i>	Ca_Kabuli_denovo	21400573	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23674	CakSNP23674	<i>Kabuli</i>	Ca_Kabuli_denovo	21407519	(A/G)
23675	CakSNP23675	<i>Kabuli</i>	Ca_Kabuli_denovo	21421791	(A/G)
23676	CakSNP23676	<i>Kabuli</i>	Ca_Kabuli_denovo	21424958	(T/G)
23677	CakSNP23677	<i>Kabuli</i>	Ca_Kabuli_denovo	21440438	(T/G)
23678	CakSNP23678	<i>Kabuli</i>	Ca_Kabuli_denovo	21445256	(G/A)
23679	CakSNP23679	<i>Kabuli</i>	Ca_Kabuli_denovo	21445286	(A/G)
23680	CakSNP23680	<i>Kabuli</i>	Ca_Kabuli_denovo	21451496	(T/C)
23681	CakSNP23681	<i>Kabuli</i>	Ca_Kabuli_denovo	21452183	(A/G)
23682	CakSNP23682	<i>Kabuli</i>	Ca_Kabuli_denovo	21455208	(T/C)
23683	CakSNP23683	<i>Kabuli</i>	Ca_Kabuli_denovo	21455244	(C/A)
23684	CakSNP23684	<i>Kabuli</i>	Ca_Kabuli_denovo	21459122	(C/A)
23685	CakSNP23685	<i>Kabuli</i>	Ca_Kabuli_denovo	21459187	(G/A)
23686	CakSNP23686	<i>Kabuli</i>	Ca_Kabuli_denovo	21467527	(T/G)
23687	CakSNP23687	<i>Kabuli</i>	Ca_Kabuli_denovo	21467545	(C/T)
23688	CakSNP23688	<i>Kabuli</i>	Ca_Kabuli_denovo	21475924	(A/G)
23689	CakSNP23689	<i>Kabuli</i>	Ca_Kabuli_denovo	21478754	(G/A)
23690	CakSNP23690	<i>Kabuli</i>	Ca_Kabuli_denovo	21482973	(G/C)
23691	CakSNP23691	<i>Kabuli</i>	Ca_Kabuli_denovo	21484952	(C/T)
23692	CakSNP23692	<i>Kabuli</i>	Ca_Kabuli_denovo	21490667	(C/T)
23693	CakSNP23693	<i>Kabuli</i>	Ca_Kabuli_denovo	21491669	(C/G)
23694	CakSNP23694	<i>Kabuli</i>	Ca_Kabuli_denovo	21493435	(C/A)
23695	CakSNP23695	<i>Kabuli</i>	Ca_Kabuli_denovo	21501063	(A/G)
23696	CakSNP23696	<i>Kabuli</i>	Ca_Kabuli_denovo	21503867	(A/G)
23697	CakSNP23697	<i>Kabuli</i>	Ca_Kabuli_denovo	21505441	(A/T)
23698	CakSNP23698	<i>Kabuli</i>	Ca_Kabuli_denovo	21506174	(G/A)
23699	CakSNP23699	<i>Kabuli</i>	Ca_Kabuli_denovo	21506198	(C/T)
23700	CakSNP23700	<i>Kabuli</i>	Ca_Kabuli_denovo	21510879	(G/C)
23701	CakSNP23701	<i>Kabuli</i>	Ca_Kabuli_denovo	21512410	(G/A)
23702	CakSNP23702	<i>Kabuli</i>	Ca_Kabuli_denovo	21512440	(T/C)
23703	CakSNP23703	<i>Kabuli</i>	Ca_Kabuli_denovo	21517339	(T/C)
23704	CakSNP23704	<i>Kabuli</i>	Ca_Kabuli_denovo	21517364	(G/A)
23705	CakSNP23705	<i>Kabuli</i>	Ca_Kabuli_denovo	21521543	(T/C)
23706	CakSNP23706	<i>Kabuli</i>	Ca_Kabuli_denovo	21529901	(C/T)
23707	CakSNP23707	<i>Kabuli</i>	Ca_Kabuli_denovo	21533729	(C/A)
23708	CakSNP23708	<i>Kabuli</i>	Ca_Kabuli_denovo	21536504	(G/A)
23709	CakSNP23709	<i>Kabuli</i>	Ca_Kabuli_denovo	21536561	(C/G)
23710	CakSNP23710	<i>Kabuli</i>	Ca_Kabuli_denovo	21536878	(T/C)
23711	CakSNP23711	<i>Kabuli</i>	Ca_Kabuli_denovo	21541280	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23712	CakSNP23712	<i>Kabuli</i>	Ca_Kabuli_denovo	21541298	(C/T)
23713	CakSNP23713	<i>Kabuli</i>	Ca_Kabuli_denovo	21541870	(T/C)
23714	CakSNP23714	<i>Kabuli</i>	Ca_Kabuli_denovo	21549651	(C/G)
23715	CakSNP23715	<i>Kabuli</i>	Ca_Kabuli_denovo	21558166	(C/T)
23716	CakSNP23716	<i>Kabuli</i>	Ca_Kabuli_denovo	21559750	(A/T)
23717	CakSNP23717	<i>Kabuli</i>	Ca_Kabuli_denovo	21560733	(T/G)
23718	CakSNP23718	<i>Kabuli</i>	Ca_Kabuli_denovo	21561543	(G/T)
23719	CakSNP23719	<i>Kabuli</i>	Ca_Kabuli_denovo	21565201	(A/G)
23720	CakSNP23720	<i>Kabuli</i>	Ca_Kabuli_denovo	21565213	(A/T)
23721	CakSNP23721	<i>Kabuli</i>	Ca_Kabuli_denovo	21576483	(G/A)
23722	CakSNP23722	<i>Kabuli</i>	Ca_Kabuli_denovo	21577694	(T/G)
23723	CakSNP23723	<i>Kabuli</i>	Ca_Kabuli_denovo	21577730	(G/A)
23724	CakSNP23724	<i>Kabuli</i>	Ca_Kabuli_denovo	21577736	(A/G)
23725	CakSNP23725	<i>Kabuli</i>	Ca_Kabuli_denovo	21577930	(G/T)
23726	CakSNP23726	<i>Kabuli</i>	Ca_Kabuli_denovo	21587730	(C/A)
23727	CakSNP23727	<i>Kabuli</i>	Ca_Kabuli_denovo	21587742	(G/C)
23728	CakSNP23728	<i>Kabuli</i>	Ca_Kabuli_denovo	21588175	(C/G)
23729	CakSNP23729	<i>Kabuli</i>	Ca_Kabuli_denovo	21588402	(G/T)
23730	CakSNP23730	<i>Kabuli</i>	Ca_Kabuli_denovo	21588479	(A/G)
23731	CakSNP23731	<i>Kabuli</i>	Ca_Kabuli_denovo	21589510	(C/A)
23732	CakSNP23732	<i>Kabuli</i>	Ca_Kabuli_denovo	21591421	(C/T)
23733	CakSNP23733	<i>Kabuli</i>	Ca_Kabuli_denovo	21595077	(C/T)
23734	CakSNP23734	<i>Kabuli</i>	Ca_Kabuli_denovo	21595111	(C/T)
23735	CakSNP23735	<i>Kabuli</i>	Ca_Kabuli_denovo	21595640	(C/G)
23736	CakSNP23736	<i>Kabuli</i>	Ca_Kabuli_denovo	21611670	(T/A)
23737	CakSNP23737	<i>Kabuli</i>	Ca_Kabuli_denovo	21611698	(T/G)
23738	CakSNP23738	<i>Kabuli</i>	Ca_Kabuli_denovo	21633676	(C/T)
23739	CakSNP23739	<i>Kabuli</i>	Ca_Kabuli_denovo	21633691	(T/C)
23740	CakSNP23740	<i>Kabuli</i>	Ca_Kabuli_denovo	21651168	(C/T)
23741	CakSNP23741	<i>Kabuli</i>	Ca_Kabuli_denovo	21651210	(A/G)
23742	CakSNP23742	<i>Kabuli</i>	Ca_Kabuli_denovo	21652622	(C/G)
23743	CakSNP23743	<i>Kabuli</i>	Ca_Kabuli_denovo	21655049	(A/C)
23744	CakSNP23744	<i>Kabuli</i>	Ca_Kabuli_denovo	21655050	(G/C)
23745	CakSNP23745	<i>Kabuli</i>	Ca_Kabuli_denovo	21659196	(C/G)
23746	CakSNP23746	<i>Kabuli</i>	Ca_Kabuli_denovo	21664740	(T/C)
23747	CakSNP23747	<i>Kabuli</i>	Ca_Kabuli_denovo	21675772	(C/T)
23748	CakSNP23748	<i>Kabuli</i>	Ca_Kabuli_denovo	21676093	(C/G)
23749	CakSNP23749	<i>Kabuli</i>	Ca_Kabuli_denovo	21676147	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23750	CakSNP23750	<i>Kabuli</i>	Ca_Kabuli_denovo	21676158	(T/G)
23751	CakSNP23751	<i>Kabuli</i>	Ca_Kabuli_denovo	21683180	(A/T)
23752	CakSNP23752	<i>Kabuli</i>	Ca_Kabuli_denovo	21683186	(G/A)
23753	CakSNP23753	<i>Kabuli</i>	Ca_Kabuli_denovo	21690203	(T/G)
23754	CakSNP23754	<i>Kabuli</i>	Ca_Kabuli_denovo	21691850	(T/C)
23755	CakSNP23755	<i>Kabuli</i>	Ca_Kabuli_denovo	21691851	(T/C)
23756	CakSNP23756	<i>Kabuli</i>	Ca_Kabuli_denovo	21701022	(C/G)
23757	CakSNP23757	<i>Kabuli</i>	Ca_Kabuli_denovo	21702075	(G/A)
23758	CakSNP23758	<i>Kabuli</i>	Ca_Kabuli_denovo	21702811	(T/G)
23759	CakSNP23759	<i>Kabuli</i>	Ca_Kabuli_denovo	21705038	(C/G)
23760	CakSNP23760	<i>Kabuli</i>	Ca_Kabuli_denovo	21707912	(C/A)
23761	CakSNP23761	<i>Kabuli</i>	Ca_Kabuli_denovo	21713585	(T/C)
23762	CakSNP23762	<i>Kabuli</i>	Ca_Kabuli_denovo	21713624	(A/G)
23763	CakSNP23763	<i>Kabuli</i>	Ca_Kabuli_denovo	21717589	(T/C)
23764	CakSNP23764	<i>Kabuli</i>	Ca_Kabuli_denovo	21717626	(A/G)
23765	CakSNP23765	<i>Kabuli</i>	Ca_Kabuli_denovo	21724227	(A/G)
23766	CakSNP23766	<i>Kabuli</i>	Ca_Kabuli_denovo	21724237	(T/C)
23767	CakSNP23767	<i>Kabuli</i>	Ca_Kabuli_denovo	21725945	(A/C)
23768	CakSNP23768	<i>Kabuli</i>	Ca_Kabuli_denovo	21725951	(A/G)
23769	CakSNP23769	<i>Kabuli</i>	Ca_Kabuli_denovo	21726047	(C/A)
23770	CakSNP23770	<i>Kabuli</i>	Ca_Kabuli_denovo	21726056	(C/T)
23771	CakSNP23771	<i>Kabuli</i>	Ca_Kabuli_denovo	21726967	(G/A)
23772	CakSNP23772	<i>Kabuli</i>	Ca_Kabuli_denovo	21729583	(A/G)
23773	CakSNP23773	<i>Kabuli</i>	Ca_Kabuli_denovo	21730951	(C/T)
23774	CakSNP23774	<i>Kabuli</i>	Ca_Kabuli_denovo	21730966	(C/T)
23775	CakSNP23775	<i>Kabuli</i>	Ca_Kabuli_denovo	21745463	(A/T)
23776	CakSNP23776	<i>Kabuli</i>	Ca_Kabuli_denovo	21745487	(T/C)
23777	CakSNP23777	<i>Kabuli</i>	Ca_Kabuli_denovo	21748246	(C/T)
23778	CakSNP23778	<i>Kabuli</i>	Ca_Kabuli_denovo	21748466	(G/C)
23779	CakSNP23779	<i>Kabuli</i>	Ca_Kabuli_denovo	21759102	(T/G)
23780	CakSNP23780	<i>Kabuli</i>	Ca_Kabuli_denovo	21759330	(C/T)
23781	CakSNP23781	<i>Kabuli</i>	Ca_Kabuli_denovo	21759386	(C/T)
23782	CakSNP23782	<i>Kabuli</i>	Ca_Kabuli_denovo	21761283	(T/C)
23783	CakSNP23783	<i>Kabuli</i>	Ca_Kabuli_denovo	21762479	(A/C)
23784	CakSNP23784	<i>Kabuli</i>	Ca_Kabuli_denovo	21764026	(C/G)
23785	CakSNP23785	<i>Kabuli</i>	Ca_Kabuli_denovo	21765047	(G/A)
23786	CakSNP23786	<i>Kabuli</i>	Ca_Kabuli_denovo	21768651	(C/A)
23787	CakSNP23787	<i>Kabuli</i>	Ca_Kabuli_denovo	21768663	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23788	CakSNP23788	<i>Kabuli</i>	Ca_Kabuli_denovo	21778525	(G/C)
23789	CakSNP23789	<i>Kabuli</i>	Ca_Kabuli_denovo	21778543	(A/G)
23790	CakSNP23790	<i>Kabuli</i>	Ca_Kabuli_denovo	21778657	(T/C)
23791	CakSNP23791	<i>Kabuli</i>	Ca_Kabuli_denovo	21788450	(C/G)
23792	CakSNP23792	<i>Kabuli</i>	Ca_Kabuli_denovo	21788489	(A/G)
23793	CakSNP23793	<i>Kabuli</i>	Ca_Kabuli_denovo	21798025	(A/C)
23794	CakSNP23794	<i>Kabuli</i>	Ca_Kabuli_denovo	21798919	(T/G)
23795	CakSNP23795	<i>Kabuli</i>	Ca_Kabuli_denovo	21800681	(A/G)
23796	CakSNP23796	<i>Kabuli</i>	Ca_Kabuli_denovo	21801770	(G/T)
23797	CakSNP23797	<i>Kabuli</i>	Ca_Kabuli_denovo	21801797	(C/T)
23798	CakSNP23798	<i>Kabuli</i>	Ca_Kabuli_denovo	21804246	(G/A)
23799	CakSNP23799	<i>Kabuli</i>	Ca_Kabuli_denovo	21804254	(C/G)
23800	CakSNP23800	<i>Kabuli</i>	Ca_Kabuli_denovo	21805673	(C/T)
23801	CakSNP23801	<i>Kabuli</i>	Ca_Kabuli_denovo	21807860	(G/T)
23802	CakSNP23802	<i>Kabuli</i>	Ca_Kabuli_denovo	21807880	(T/G)
23803	CakSNP23803	<i>Kabuli</i>	Ca_Kabuli_denovo	21808391	(C/G)
23804	CakSNP23804	<i>Kabuli</i>	Ca_Kabuli_denovo	21811794	(A/C)
23805	CakSNP23805	<i>Kabuli</i>	Ca_Kabuli_denovo	21811800	(A/G)
23806	CakSNP23806	<i>Kabuli</i>	Ca_Kabuli_denovo	21815122	(G/C)
23807	CakSNP23807	<i>Kabuli</i>	Ca_Kabuli_denovo	21815146	(G/A)
23808	CakSNP23808	<i>Kabuli</i>	Ca_Kabuli_denovo	21817157	(C/T)
23809	CakSNP23809	<i>Kabuli</i>	Ca_Kabuli_denovo	21817167	(A/G)
23810	CakSNP23810	<i>Kabuli</i>	Ca_Kabuli_denovo	21818738	(T/C)
23811	CakSNP23811	<i>Kabuli</i>	Ca_Kabuli_denovo	21818765	(T/C)
23812	CakSNP23812	<i>Kabuli</i>	Ca_Kabuli_denovo	21822406	(T/C)
23813	CakSNP23813	<i>Kabuli</i>	Ca_Kabuli_denovo	21822476	(A/G)
23814	CakSNP23814	<i>Kabuli</i>	Ca_Kabuli_denovo	21822488	(G/C)
23815	CakSNP23815	<i>Kabuli</i>	Ca_Kabuli_denovo	21824609	(T/C)
23816	CakSNP23816	<i>Kabuli</i>	Ca_Kabuli_denovo	21824648	(C/G)
23817	CakSNP23817	<i>Kabuli</i>	Ca_Kabuli_denovo	21826085	(A/G)
23818	CakSNP23818	<i>Kabuli</i>	Ca_Kabuli_denovo	21826147	(C/T)
23819	CakSNP23819	<i>Kabuli</i>	Ca_Kabuli_denovo	21827387	(A/C)
23820	CakSNP23820	<i>Kabuli</i>	Ca_Kabuli_denovo	21830766	(T/C)
23821	CakSNP23821	<i>Kabuli</i>	Ca_Kabuli_denovo	21830792	(A/C)
23822	CakSNP23822	<i>Kabuli</i>	Ca_Kabuli_denovo	21832533	(G/A)
23823	CakSNP23823	<i>Kabuli</i>	Ca_Kabuli_denovo	21832563	(A/G)
23824	CakSNP23824	<i>Kabuli</i>	Ca_Kabuli_denovo	21833724	(A/G)
23825	CakSNP23825	<i>Kabuli</i>	Ca_Kabuli_denovo	21833757	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23826	CakSNP23826	<i>Kabuli</i>	Ca_Kabuli_denovo	21833915	(T/C)
23827	CakSNP23827	<i>Kabuli</i>	Ca_Kabuli_denovo	21839422	(A/G)
23828	CakSNP23828	<i>Kabuli</i>	Ca_Kabuli_denovo	21842425	(C/T)
23829	CakSNP23829	<i>Kabuli</i>	Ca_Kabuli_denovo	21857124	(G/A)
23830	CakSNP23830	<i>Kabuli</i>	Ca_Kabuli_denovo	21860971	(C/G)
23831	CakSNP23831	<i>Kabuli</i>	Ca_Kabuli_denovo	21860983	(G/T)
23832	CakSNP23832	<i>Kabuli</i>	Ca_Kabuli_denovo	21862785	(A/G)
23833	CakSNP23833	<i>Kabuli</i>	Ca_Kabuli_denovo	21863197	(T/G)
23834	CakSNP23834	<i>Kabuli</i>	Ca_Kabuli_denovo	21863232	(A/G)
23835	CakSNP23835	<i>Kabuli</i>	Ca_Kabuli_denovo	21868496	(C/T)
23836	CakSNP23836	<i>Kabuli</i>	Ca_Kabuli_denovo	21876586	(T/C)
23837	CakSNP23837	<i>Kabuli</i>	Ca_Kabuli_denovo	21876590	(G/C)
23838	CakSNP23838	<i>Kabuli</i>	Ca_Kabuli_denovo	21876611	(G/A)
23839	CakSNP23839	<i>Kabuli</i>	Ca_Kabuli_denovo	21880120	(C/T)
23840	CakSNP23840	<i>Kabuli</i>	Ca_Kabuli_denovo	21880140	(G/C)
23841	CakSNP23841	<i>Kabuli</i>	Ca_Kabuli_denovo	21882551	(C/T)
23842	CakSNP23842	<i>Kabuli</i>	Ca_Kabuli_denovo	21883006	(C/G)
23843	CakSNP23843	<i>Kabuli</i>	Ca_Kabuli_denovo	21883012	(G/T)
23844	CakSNP23844	<i>Kabuli</i>	Ca_Kabuli_denovo	21885351	(G/C)
23845	CakSNP23845	<i>Kabuli</i>	Ca_Kabuli_denovo	21886844	(G/A)
23846	CakSNP23846	<i>Kabuli</i>	Ca_Kabuli_denovo	21886849	(C/T)
23847	CakSNP23847	<i>Kabuli</i>	Ca_Kabuli_denovo	21888586	(G/A)
23848	CakSNP23848	<i>Kabuli</i>	Ca_Kabuli_denovo	21893756	(C/T)
23849	CakSNP23849	<i>Kabuli</i>	Ca_Kabuli_denovo	21894934	(T/C)
23850	CakSNP23850	<i>Kabuli</i>	Ca_Kabuli_denovo	21894955	(A/G)
23851	CakSNP23851	<i>Kabuli</i>	Ca_Kabuli_denovo	21898260	(G/A)
23852	CakSNP23852	<i>Kabuli</i>	Ca_Kabuli_denovo	21898280	(A/G)
23853	CakSNP23853	<i>Kabuli</i>	Ca_Kabuli_denovo	21903472	(C/G)
23854	CakSNP23854	<i>Kabuli</i>	Ca_Kabuli_denovo	21903496	(T/C)
23855	CakSNP23855	<i>Kabuli</i>	Ca_Kabuli_denovo	21905287	(A/G)
23856	CakSNP23856	<i>Kabuli</i>	Ca_Kabuli_denovo	21905310	(G/A)
23857	CakSNP23857	<i>Kabuli</i>	Ca_Kabuli_denovo	21907451	(A/C)
23858	CakSNP23858	<i>Kabuli</i>	Ca_Kabuli_denovo	21907453	(A/C)
23859	CakSNP23859	<i>Kabuli</i>	Ca_Kabuli_denovo	21913758	(T/C)
23860	CakSNP23860	<i>Kabuli</i>	Ca_Kabuli_denovo	21915275	(G/A)
23861	CakSNP23861	<i>Kabuli</i>	Ca_Kabuli_denovo	21915344	(A/T)
23862	CakSNP23862	<i>Kabuli</i>	Ca_Kabuli_denovo	21916354	(G/C)
23863	CakSNP23863	<i>Kabuli</i>	Ca_Kabuli_denovo	21916363	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23864	CakSNP23864	<i>Kabuli</i>	Ca_Kabuli_denovo	21917642	(C/T)
23865	CakSNP23865	<i>Kabuli</i>	Ca_Kabuli_denovo	21923496	(C/T)
23866	CakSNP23866	<i>Kabuli</i>	Ca_Kabuli_denovo	21926068	(G/A)
23867	CakSNP23867	<i>Kabuli</i>	Ca_Kabuli_denovo	21929425	(G/A)
23868	CakSNP23868	<i>Kabuli</i>	Ca_Kabuli_denovo	21931570	(C/T)
23869	CakSNP23869	<i>Kabuli</i>	Ca_Kabuli_denovo	21931574	(C/G)
23870	CakSNP23870	<i>Kabuli</i>	Ca_Kabuli_denovo	21933266	(G/C)
23871	CakSNP23871	<i>Kabuli</i>	Ca_Kabuli_denovo	21943045	(C/T)
23872	CakSNP23872	<i>Kabuli</i>	Ca_Kabuli_denovo	21943062	(C/T)
23873	CakSNP23873	<i>Kabuli</i>	Ca_Kabuli_denovo	21944105	(T/G)
23874	CakSNP23874	<i>Kabuli</i>	Ca_Kabuli_denovo	21947457	(T/C)
23875	CakSNP23875	<i>Kabuli</i>	Ca_Kabuli_denovo	21959356	(C/T)
23876	CakSNP23876	<i>Kabuli</i>	Ca_Kabuli_denovo	21959383	(T/C)
23877	CakSNP23877	<i>Kabuli</i>	Ca_Kabuli_denovo	21959872	(G/T)
23878	CakSNP23878	<i>Kabuli</i>	Ca_Kabuli_denovo	21968331	(A/G)
23879	CakSNP23879	<i>Kabuli</i>	Ca_Kabuli_denovo	21968856	(T/C)
23880	CakSNP23880	<i>Kabuli</i>	Ca_Kabuli_denovo	21968860	(A/G)
23881	CakSNP23881	<i>Kabuli</i>	Ca_Kabuli_denovo	21976577	(G/A)
23882	CakSNP23882	<i>Kabuli</i>	Ca_Kabuli_denovo	21976623	(C/A)
23883	CakSNP23883	<i>Kabuli</i>	Ca_Kabuli_denovo	21978703	(A/C)
23884	CakSNP23884	<i>Kabuli</i>	Ca_Kabuli_denovo	21978727	(A/C)
23885	CakSNP23885	<i>Kabuli</i>	Ca_Kabuli_denovo	21983999	(A/G)
23886	CakSNP23886	<i>Kabuli</i>	Ca_Kabuli_denovo	21984023	(A/G)
23887	CakSNP23887	<i>Kabuli</i>	Ca_Kabuli_denovo	21984026	(G/A)
23888	CakSNP23888	<i>Kabuli</i>	Ca_Kabuli_denovo	21984665	(A/T)
23889	CakSNP23889	<i>Kabuli</i>	Ca_Kabuli_denovo	21984673	(T/C)
23890	CakSNP23890	<i>Kabuli</i>	Ca_Kabuli_denovo	21984871	(A/G)
23891	CakSNP23891	<i>Kabuli</i>	Ca_Kabuli_denovo	21984916	(A/G)
23892	CakSNP23892	<i>Kabuli</i>	Ca_Kabuli_denovo	21993694	(A/G)
23893	CakSNP23893	<i>Kabuli</i>	Ca_Kabuli_denovo	21993700	(A/C)
23894	CakSNP23894	<i>Kabuli</i>	Ca_Kabuli_denovo	21995519	(T/G)
23895	CakSNP23895	<i>Kabuli</i>	Ca_Kabuli_denovo	21999081	(C/G)
23896	CakSNP23896	<i>Kabuli</i>	Ca_Kabuli_denovo	21999091	(G/T)
23897	CakSNP23897	<i>Kabuli</i>	Ca_Kabuli_denovo	22001325	(C/A)
23898	CakSNP23898	<i>Kabuli</i>	Ca_Kabuli_denovo	22001329	(G/A)
23899	CakSNP23899	<i>Kabuli</i>	Ca_Kabuli_denovo	22003126	(A/G)
23900	CakSNP23900	<i>Kabuli</i>	Ca_Kabuli_denovo	22005228	(A/G)
23901	CakSNP23901	<i>Kabuli</i>	Ca_Kabuli_denovo	22010799	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23902	CakSNP23902	<i>Kabuli</i>	Ca_Kabuli_denovo	22010803	(A/C)
23903	CakSNP23903	<i>Kabuli</i>	Ca_Kabuli_denovo	22011716	(T/G)
23904	CakSNP23904	<i>Kabuli</i>	Ca_Kabuli_denovo	22011794	(C/T)
23905	CakSNP23905	<i>Kabuli</i>	Ca_Kabuli_denovo	22016922	(A/C)
23906	CakSNP23906	<i>Kabuli</i>	Ca_Kabuli_denovo	22020149	(C/T)
23907	CakSNP23907	<i>Kabuli</i>	Ca_Kabuli_denovo	22020151	(G/A)
23908	CakSNP23908	<i>Kabuli</i>	Ca_Kabuli_denovo	22026815	(G/A)
23909	CakSNP23909	<i>Kabuli</i>	Ca_Kabuli_denovo	22027645	(C/T)
23910	CakSNP23910	<i>Kabuli</i>	Ca_Kabuli_denovo	22028368	(C/T)
23911	CakSNP23911	<i>Kabuli</i>	Ca_Kabuli_denovo	22028371	(A/G)
23912	CakSNP23912	<i>Kabuli</i>	Ca_Kabuli_denovo	22028386	(T/C)
23913	CakSNP23913	<i>Kabuli</i>	Ca_Kabuli_denovo	22028745	(T/G)
23914	CakSNP23914	<i>Kabuli</i>	Ca_Kabuli_denovo	22031438	(T/G)
23915	CakSNP23915	<i>Kabuli</i>	Ca_Kabuli_denovo	22040585	(G/T)
23916	CakSNP23916	<i>Kabuli</i>	Ca_Kabuli_denovo	22044687	(C/T)
23917	CakSNP23917	<i>Kabuli</i>	Ca_Kabuli_denovo	22048634	(C/A)
23918	CakSNP23918	<i>Kabuli</i>	Ca_Kabuli_denovo	22048658	(G/A)
23919	CakSNP23919	<i>Kabuli</i>	Ca_Kabuli_denovo	22054161	(A/G)
23920	CakSNP23920	<i>Kabuli</i>	Ca_Kabuli_denovo	22057228	(T/C)
23921	CakSNP23921	<i>Kabuli</i>	Ca_Kabuli_denovo	22059344	(C/G)
23922	CakSNP23922	<i>Kabuli</i>	Ca_Kabuli_denovo	22059356	(A/G)
23923	CakSNP23923	<i>Kabuli</i>	Ca_Kabuli_denovo	22070684	(T/G)
23924	CakSNP23924	<i>Kabuli</i>	Ca_Kabuli_denovo	22071511	(G/A)
23925	CakSNP23925	<i>Kabuli</i>	Ca_Kabuli_denovo	22072977	(T/G)
23926	CakSNP23926	<i>Kabuli</i>	Ca_Kabuli_denovo	22074563	(A/T)
23927	CakSNP23927	<i>Kabuli</i>	Ca_Kabuli_denovo	22078330	(T/C)
23928	CakSNP23928	<i>Kabuli</i>	Ca_Kabuli_denovo	22078518	(T/C)
23929	CakSNP23929	<i>Kabuli</i>	Ca_Kabuli_denovo	22078563	(G/C)
23930	CakSNP23930	<i>Kabuli</i>	Ca_Kabuli_denovo	22082588	(T/C)
23931	CakSNP23931	<i>Kabuli</i>	Ca_Kabuli_denovo	22082621	(C/T)
23932	CakSNP23932	<i>Kabuli</i>	Ca_Kabuli_denovo	22083454	(C/T)
23933	CakSNP23933	<i>Kabuli</i>	Ca_Kabuli_denovo	22086659	(T/G)
23934	CakSNP23934	<i>Kabuli</i>	Ca_Kabuli_denovo	22093836	(G/A)
23935	CakSNP23935	<i>Kabuli</i>	Ca_Kabuli_denovo	22095169	(C/T)
23936	CakSNP23936	<i>Kabuli</i>	Ca_Kabuli_denovo	22099049	(A/T)
23937	CakSNP23937	<i>Kabuli</i>	Ca_Kabuli_denovo	22099091	(G/A)
23938	CakSNP23938	<i>Kabuli</i>	Ca_Kabuli_denovo	22105626	(T/C)
23939	CakSNP23939	<i>Kabuli</i>	Ca_Kabuli_denovo	22109925	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23940	CakSNP23940	<i>Kabuli</i>	Ca_Kabuli_denovo	22109955	(T/C)
23941	CakSNP23941	<i>Kabuli</i>	Ca_Kabuli_denovo	22115972	(C/G)
23942	CakSNP23942	<i>Kabuli</i>	Ca_Kabuli_denovo	22127527	(C/G)
23943	CakSNP23943	<i>Kabuli</i>	Ca_Kabuli_denovo	22145936	(C/A)
23944	CakSNP23944	<i>Kabuli</i>	Ca_Kabuli_denovo	22145951	(A/G)
23945	CakSNP23945	<i>Kabuli</i>	Ca_Kabuli_denovo	22147873	(A/G)
23946	CakSNP23946	<i>Kabuli</i>	Ca_Kabuli_denovo	22150196	(A/G)
23947	CakSNP23947	<i>Kabuli</i>	Ca_Kabuli_denovo	22150199	(G/C)
23948	CakSNP23948	<i>Kabuli</i>	Ca_Kabuli_denovo	22154593	(C/T)
23949	CakSNP23949	<i>Kabuli</i>	Ca_Kabuli_denovo	22155073	(T/A)
23950	CakSNP23950	<i>Kabuli</i>	Ca_Kabuli_denovo	22155343	(G/C)
23951	CakSNP23951	<i>Kabuli</i>	Ca_Kabuli_denovo	22155358	(C/A)
23952	CakSNP23952	<i>Kabuli</i>	Ca_Kabuli_denovo	22156352	(G/A)
23953	CakSNP23953	<i>Kabuli</i>	Ca_Kabuli_denovo	22156384	(C/G)
23954	CakSNP23954	<i>Kabuli</i>	Ca_Kabuli_denovo	22162484	(A/G)
23955	CakSNP23955	<i>Kabuli</i>	Ca_Kabuli_denovo	22166305	(T/C)
23956	CakSNP23956	<i>Kabuli</i>	Ca_Kabuli_denovo	22175865	(C/T)
23957	CakSNP23957	<i>Kabuli</i>	Ca_Kabuli_denovo	22175884	(T/C)
23958	CakSNP23958	<i>Kabuli</i>	Ca_Kabuli_denovo	22177441	(A/C)
23959	CakSNP23959	<i>Kabuli</i>	Ca_Kabuli_denovo	22177732	(T/C)
23960	CakSNP23960	<i>Kabuli</i>	Ca_Kabuli_denovo	22177762	(T/C)
23961	CakSNP23961	<i>Kabuli</i>	Ca_Kabuli_denovo	22185743	(C/T)
23962	CakSNP23962	<i>Kabuli</i>	Ca_Kabuli_denovo	22185763	(T/G)
23963	CakSNP23963	<i>Kabuli</i>	Ca_Kabuli_denovo	22187682	(T/C)
23964	CakSNP23964	<i>Kabuli</i>	Ca_Kabuli_denovo	22187734	(G/T)
23965	CakSNP23965	<i>Kabuli</i>	Ca_Kabuli_denovo	22191206	(C/A)
23966	CakSNP23966	<i>Kabuli</i>	Ca_Kabuli_denovo	22191233	(G/C)
23967	CakSNP23967	<i>Kabuli</i>	Ca_Kabuli_denovo	22194019	(T/C)
23968	CakSNP23968	<i>Kabuli</i>	Ca_Kabuli_denovo	22194078	(G/C)
23969	CakSNP23969	<i>Kabuli</i>	Ca_Kabuli_denovo	22199275	(T/C)
23970	CakSNP23970	<i>Kabuli</i>	Ca_Kabuli_denovo	22204436	(G/A)
23971	CakSNP23971	<i>Kabuli</i>	Ca_Kabuli_denovo	22204475	(A/G)
23972	CakSNP23972	<i>Kabuli</i>	Ca_Kabuli_denovo	22206003	(G/A)
23973	CakSNP23973	<i>Kabuli</i>	Ca_Kabuli_denovo	22210115	(C/G)
23974	CakSNP23974	<i>Kabuli</i>	Ca_Kabuli_denovo	22213095	(C/A)
23975	CakSNP23975	<i>Kabuli</i>	Ca_Kabuli_denovo	22213116	(A/G)
23976	CakSNP23976	<i>Kabuli</i>	Ca_Kabuli_denovo	22213901	(T/C)
23977	CakSNP23977	<i>Kabuli</i>	Ca_Kabuli_denovo	22213930	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23978	CakSNP23978	<i>Kabuli</i>	Ca_Kabuli_denovo	22216043	(A/G)
23979	CakSNP23979	<i>Kabuli</i>	Ca_Kabuli_denovo	22223582	(G/A)
23980	CakSNP23980	<i>Kabuli</i>	Ca_Kabuli_denovo	22223614	(T/C)
23981	CakSNP23981	<i>Kabuli</i>	Ca_Kabuli_denovo	22223700	(T/A)
23982	CakSNP23982	<i>Kabuli</i>	Ca_Kabuli_denovo	22223707	(A/C)
23983	CakSNP23983	<i>Kabuli</i>	Ca_Kabuli_denovo	22224352	(G/T)
23984	CakSNP23984	<i>Kabuli</i>	Ca_Kabuli_denovo	22224391	(G/T)
23985	CakSNP23985	<i>Kabuli</i>	Ca_Kabuli_denovo	22236255	(C/T)
23986	CakSNP23986	<i>Kabuli</i>	Ca_Kabuli_denovo	22236273	(T/G)
23987	CakSNP23987	<i>Kabuli</i>	Ca_Kabuli_denovo	22237102	(G/A)
23988	CakSNP23988	<i>Kabuli</i>	Ca_Kabuli_denovo	22242259	(C/T)
23989	CakSNP23989	<i>Kabuli</i>	Ca_Kabuli_denovo	22242265	(C/T)
23990	CakSNP23990	<i>Kabuli</i>	Ca_Kabuli_denovo	22258645	(A/G)
23991	CakSNP23991	<i>Kabuli</i>	Ca_Kabuli_denovo	22266067	(G/C)
23992	CakSNP23992	<i>Kabuli</i>	Ca_Kabuli_denovo	22274978	(T/C)
23993	CakSNP23993	<i>Kabuli</i>	Ca_Kabuli_denovo	22277631	(G/C)
23994	CakSNP23994	<i>Kabuli</i>	Ca_Kabuli_denovo	22277682	(C/T)
23995	CakSNP23995	<i>Kabuli</i>	Ca_Kabuli_denovo	22279871	(C/A)
23996	CakSNP23996	<i>Kabuli</i>	Ca_Kabuli_denovo	22279916	(C/T)
23997	CakSNP23997	<i>Kabuli</i>	Ca_Kabuli_denovo	22280798	(G/A)
23998	CakSNP23998	<i>Kabuli</i>	Ca_Kabuli_denovo	22288948	(T/C)
23999	CakSNP23999	<i>Kabuli</i>	Ca_Kabuli_denovo	22290167	(C/A)
24000	CakSNP24000	<i>Kabuli</i>	Ca_Kabuli_denovo	22290169	(A/G)
24001	CakSNP24001	<i>Kabuli</i>	Ca_Kabuli_denovo	22297049	(C/A)
24002	CakSNP24002	<i>Kabuli</i>	Ca_Kabuli_denovo	22297053	(G/C)
24003	CakSNP24003	<i>Kabuli</i>	Ca_Kabuli_denovo	22297315	(T/C)
24004	CakSNP24004	<i>Kabuli</i>	Ca_Kabuli_denovo	22297334	(A/G)
24005	CakSNP24005	<i>Kabuli</i>	Ca_Kabuli_denovo	22302898	(G/A)
24006	CakSNP24006	<i>Kabuli</i>	Ca_Kabuli_denovo	22309863	(A/C)
24007	CakSNP24007	<i>Kabuli</i>	Ca_Kabuli_denovo	22315446	(A/T)
24008	CakSNP24008	<i>Kabuli</i>	Ca_Kabuli_denovo	22315449	(A/C)
24009	CakSNP24009	<i>Kabuli</i>	Ca_Kabuli_denovo	22324880	(T/G)
24010	CakSNP24010	<i>Kabuli</i>	Ca_Kabuli_denovo	22324883	(G/A)
24011	CakSNP24011	<i>Kabuli</i>	Ca_Kabuli_denovo	22328246	(A/G)
24012	CakSNP24012	<i>Kabuli</i>	Ca_Kabuli_denovo	22328273	(C/T)
24013	CakSNP24013	<i>Kabuli</i>	Ca_Kabuli_denovo	22332214	(G/T)
24014	CakSNP24014	<i>Kabuli</i>	Ca_Kabuli_denovo	22337605	(C/A)
24015	CakSNP24015	<i>Kabuli</i>	Ca_Kabuli_denovo	22340311	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24016	CakSNP24016	<i>Kabuli</i>	Ca_Kabuli_denovo	22340317	(T/G)
24017	CakSNP24017	<i>Kabuli</i>	Ca_Kabuli_denovo	22342839	(G/C)
24018	CakSNP24018	<i>Kabuli</i>	Ca_Kabuli_denovo	22343917	(T/C)
24019	CakSNP24019	<i>Kabuli</i>	Ca_Kabuli_denovo	22343947	(A/C)
24020	CakSNP24020	<i>Kabuli</i>	Ca_Kabuli_denovo	22344811	(T/C)
24021	CakSNP24021	<i>Kabuli</i>	Ca_Kabuli_denovo	22347675	(T/C)
24022	CakSNP24022	<i>Kabuli</i>	Ca_Kabuli_denovo	22355630	(A/G)
24023	CakSNP24023	<i>Kabuli</i>	Ca_Kabuli_denovo	22355651	(A/C)
24024	CakSNP24024	<i>Kabuli</i>	Ca_Kabuli_denovo	22356787	(T/C)
24025	CakSNP24025	<i>Kabuli</i>	Ca_Kabuli_denovo	22359477	(T/A)
24026	CakSNP24026	<i>Kabuli</i>	Ca_Kabuli_denovo	22364608	(C/T)
24027	CakSNP24027	<i>Kabuli</i>	Ca_Kabuli_denovo	22370629	(G/A)
24028	CakSNP24028	<i>Kabuli</i>	Ca_Kabuli_denovo	22370640	(C/T)
24029	CakSNP24029	<i>Kabuli</i>	Ca_Kabuli_denovo	22379899	(G/C)
24030	CakSNP24030	<i>Kabuli</i>	Ca_Kabuli_denovo	22383680	(A/G)
24031	CakSNP24031	<i>Kabuli</i>	Ca_Kabuli_denovo	22384415	(A/C)
24032	CakSNP24032	<i>Kabuli</i>	Ca_Kabuli_denovo	22388447	(T/G)
24033	CakSNP24033	<i>Kabuli</i>	Ca_Kabuli_denovo	22390212	(A/C)
24034	CakSNP24034	<i>Kabuli</i>	Ca_Kabuli_denovo	22390214	(A/C)
24035	CakSNP24035	<i>Kabuli</i>	Ca_Kabuli_denovo	22396027	(G/A)
24036	CakSNP24036	<i>Kabuli</i>	Ca_Kabuli_denovo	22399918	(G/C)
24037	CakSNP24037	<i>Kabuli</i>	Ca_Kabuli_denovo	22402729	(A/G)
24038	CakSNP24038	<i>Kabuli</i>	Ca_Kabuli_denovo	22409040	(G/A)
24039	CakSNP24039	<i>Kabuli</i>	Ca_Kabuli_denovo	22409090	(T/G)
24040	CakSNP24040	<i>Kabuli</i>	Ca_Kabuli_denovo	22415065	(A/G)
24041	CakSNP24041	<i>Kabuli</i>	Ca_Kabuli_denovo	22415068	(T/C)
24042	CakSNP24042	<i>Kabuli</i>	Ca_Kabuli_denovo	22421870	(G/A)
24043	CakSNP24043	<i>Kabuli</i>	Ca_Kabuli_denovo	22423241	(C/G)
24044	CakSNP24044	<i>Kabuli</i>	Ca_Kabuli_denovo	22423263	(G/T)
24045	CakSNP24045	<i>Kabuli</i>	Ca_Kabuli_denovo	22424926	(G/C)
24046	CakSNP24046	<i>Kabuli</i>	Ca_Kabuli_denovo	22426360	(C/G)
24047	CakSNP24047	<i>Kabuli</i>	Ca_Kabuli_denovo	22427046	(A/T)
24048	CakSNP24048	<i>Kabuli</i>	Ca_Kabuli_denovo	22431626	(C/A)
24049	CakSNP24049	<i>Kabuli</i>	Ca_Kabuli_denovo	22431652	(C/T)
24050	CakSNP24050	<i>Kabuli</i>	Ca_Kabuli_denovo	22432380	(C/T)
24051	CakSNP24051	<i>Kabuli</i>	Ca_Kabuli_denovo	22432382	(C/G)
24052	CakSNP24052	<i>Kabuli</i>	Ca_Kabuli_denovo	22433280	(G/A)
24053	CakSNP24053	<i>Kabuli</i>	Ca_Kabuli_denovo	22433295	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24054	CakSNP24054	<i>Kabuli</i>	Ca_Kabuli_denovo	22436951	(C/G)
24055	CakSNP24055	<i>Kabuli</i>	Ca_Kabuli_denovo	22436975	(T/G)
24056	CakSNP24056	<i>Kabuli</i>	Ca_Kabuli_denovo	22439163	(C/T)
24057	CakSNP24057	<i>Kabuli</i>	Ca_Kabuli_denovo	22443182	(T/C)
24058	CakSNP24058	<i>Kabuli</i>	Ca_Kabuli_denovo	22444030	(C/G)
24059	CakSNP24059	<i>Kabuli</i>	Ca_Kabuli_denovo	22449467	(G/T)
24060	CakSNP24060	<i>Kabuli</i>	Ca_Kabuli_denovo	22449512	(C/G)
24061	CakSNP24061	<i>Kabuli</i>	Ca_Kabuli_denovo	22450397	(C/G)
24062	CakSNP24062	<i>Kabuli</i>	Ca_Kabuli_denovo	22451704	(C/T)
24063	CakSNP24063	<i>Kabuli</i>	Ca_Kabuli_denovo	22452438	(A/G)
24064	CakSNP24064	<i>Kabuli</i>	Ca_Kabuli_denovo	22452449	(C/G)
24065	CakSNP24065	<i>Kabuli</i>	Ca_Kabuli_denovo	22453019	(T/C)
24066	CakSNP24066	<i>Kabuli</i>	Ca_Kabuli_denovo	22453049	(A/G)
24067	CakSNP24067	<i>Kabuli</i>	Ca_Kabuli_denovo	22453067	(G/A)
24068	CakSNP24068	<i>Kabuli</i>	Ca_Kabuli_denovo	22454097	(A/G)
24069	CakSNP24069	<i>Kabuli</i>	Ca_Kabuli_denovo	22454100	(G/A)
24070	CakSNP24070	<i>Kabuli</i>	Ca_Kabuli_denovo	22462238	(C/G)
24071	CakSNP24071	<i>Kabuli</i>	Ca_Kabuli_denovo	22462279	(T/C)
24072	CakSNP24072	<i>Kabuli</i>	Ca_Kabuli_denovo	22463261	(G/C)
24073	CakSNP24073	<i>Kabuli</i>	Ca_Kabuli_denovo	22464550	(C/A)
24074	CakSNP24074	<i>Kabuli</i>	Ca_Kabuli_denovo	22464930	(T/C)
24075	CakSNP24075	<i>Kabuli</i>	Ca_Kabuli_denovo	22464938	(G/C)
24076	CakSNP24076	<i>Kabuli</i>	Ca_Kabuli_denovo	22465107	(T/C)
24077	CakSNP24077	<i>Kabuli</i>	Ca_Kabuli_denovo	22465162	(A/G)
24078	CakSNP24078	<i>Kabuli</i>	Ca_Kabuli_denovo	22466096	(G/T)
24079	CakSNP24079	<i>Kabuli</i>	Ca_Kabuli_denovo	22476717	(A/C)
24080	CakSNP24080	<i>Kabuli</i>	Ca_Kabuli_denovo	22476744	(T/C)
24081	CakSNP24081	<i>Kabuli</i>	Ca_Kabuli_denovo	22479050	(A/G)
24082	CakSNP24082	<i>Kabuli</i>	Ca_Kabuli_denovo	22479122	(T/C)
24083	CakSNP24083	<i>Kabuli</i>	Ca_Kabuli_denovo	22480360	(C/T)
24084	CakSNP24084	<i>Kabuli</i>	Ca_Kabuli_denovo	22480405	(C/T)
24085	CakSNP24085	<i>Kabuli</i>	Ca_Kabuli_denovo	22486514	(G/A)
24086	CakSNP24086	<i>Kabuli</i>	Ca_Kabuli_denovo	22486522	(C/T)
24087	CakSNP24087	<i>Kabuli</i>	Ca_Kabuli_denovo	22493767	(T/C)
24088	CakSNP24088	<i>Kabuli</i>	Ca_Kabuli_denovo	22504660	(C/T)
24089	CakSNP24089	<i>Kabuli</i>	Ca_Kabuli_denovo	22514807	(C/A)
24090	CakSNP24090	<i>Kabuli</i>	Ca_Kabuli_denovo	22516434	(A/G)
24091	CakSNP24091	<i>Kabuli</i>	Ca_Kabuli_denovo	22520823	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24092	CakSNP24092	<i>Kabuli</i>	Ca_Kabuli_denovo	22520875	(T/C)
24093	CakSNP24093	<i>Kabuli</i>	Ca_Kabuli_denovo	22521766	(G/C)
24094	CakSNP24094	<i>Kabuli</i>	Ca_Kabuli_denovo	22521796	(C/T)
24095	CakSNP24095	<i>Kabuli</i>	Ca_Kabuli_denovo	22529928	(A/G)
24096	CakSNP24096	<i>Kabuli</i>	Ca_Kabuli_denovo	22531422	(A/C)
24097	CakSNP24097	<i>Kabuli</i>	Ca_Kabuli_denovo	22531463	(A/G)
24098	CakSNP24098	<i>Kabuli</i>	Ca_Kabuli_denovo	22534289	(A/G)
24099	CakSNP24099	<i>Kabuli</i>	Ca_Kabuli_denovo	22542381	(T/G)
24100	CakSNP24100	<i>Kabuli</i>	Ca_Kabuli_denovo	22542441	(G/A)
24101	CakSNP24101	<i>Kabuli</i>	Ca_Kabuli_denovo	22546566	(A/C)
24102	CakSNP24102	<i>Kabuli</i>	Ca_Kabuli_denovo	22556801	(T/C)
24103	CakSNP24103	<i>Kabuli</i>	Ca_Kabuli_denovo	22561762	(G/C)
24104	CakSNP24104	<i>Kabuli</i>	Ca_Kabuli_denovo	22561771	(T/G)
24105	CakSNP24105	<i>Kabuli</i>	Ca_Kabuli_denovo	22567017	(T/C)
24106	CakSNP24106	<i>Kabuli</i>	Ca_Kabuli_denovo	22567026	(G/A)
24107	CakSNP24107	<i>Kabuli</i>	Ca_Kabuli_denovo	22567059	(T/C)
24108	CakSNP24108	<i>Kabuli</i>	Ca_Kabuli_denovo	22567219	(T/C)
24109	CakSNP24109	<i>Kabuli</i>	Ca_Kabuli_denovo	22567221	(C/T)
24110	CakSNP24110	<i>Kabuli</i>	Ca_Kabuli_denovo	22568144	(C/G)
24111	CakSNP24111	<i>Kabuli</i>	Ca_Kabuli_denovo	22568186	(C/A)
24112	CakSNP24112	<i>Kabuli</i>	Ca_Kabuli_denovo	22568434	(C/G)
24113	CakSNP24113	<i>Kabuli</i>	Ca_Kabuli_denovo	22578643	(C/T)
24114	CakSNP24114	<i>Kabuli</i>	Ca_Kabuli_denovo	22579945	(G/C)
24115	CakSNP24115	<i>Kabuli</i>	Ca_Kabuli_denovo	22581626	(T/C)
24116	CakSNP24116	<i>Kabuli</i>	Ca_Kabuli_denovo	22586002	(C/T)
24117	CakSNP24117	<i>Kabuli</i>	Ca_Kabuli_denovo	22590746	(G/A)
24118	CakSNP24118	<i>Kabuli</i>	Ca_Kabuli_denovo	22590761	(T/C)
24119	CakSNP24119	<i>Kabuli</i>	Ca_Kabuli_denovo	22602100	(C/T)
24120	CakSNP24120	<i>Kabuli</i>	Ca_Kabuli_denovo	22614086	(C/T)
24121	CakSNP24121	<i>Kabuli</i>	Ca_Kabuli_denovo	22614088	(C/G)
24122	CakSNP24122	<i>Kabuli</i>	Ca_Kabuli_denovo	22615811	(G/T)
24123	CakSNP24123	<i>Kabuli</i>	Ca_Kabuli_denovo	22635214	(G/C)
24124	CakSNP24124	<i>Kabuli</i>	Ca_Kabuli_denovo	22635612	(T/C)
24125	CakSNP24125	<i>Kabuli</i>	Ca_Kabuli_denovo	22635633	(G/A)
24126	CakSNP24126	<i>Kabuli</i>	Ca_Kabuli_denovo	22639106	(A/G)
24127	CakSNP24127	<i>Kabuli</i>	Ca_Kabuli_denovo	22639177	(T/C)
24128	CakSNP24128	<i>Kabuli</i>	Ca_Kabuli_denovo	22642069	(G/C)
24129	CakSNP24129	<i>Kabuli</i>	Ca_Kabuli_denovo	22643291	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24130	CakSNP24130	<i>Kabuli</i>	Ca_Kabuli_denovo	22643294	(C/G)
24131	CakSNP24131	<i>Kabuli</i>	Ca_Kabuli_denovo	22647446	(C/G)
24132	CakSNP24132	<i>Kabuli</i>	Ca_Kabuli_denovo	22647449	(T/C)
24133	CakSNP24133	<i>Kabuli</i>	Ca_Kabuli_denovo	22650472	(A/G)
24134	CakSNP24134	<i>Kabuli</i>	Ca_Kabuli_denovo	22651126	(A/G)
24135	CakSNP24135	<i>Kabuli</i>	Ca_Kabuli_denovo	22651157	(A/G)
24136	CakSNP24136	<i>Kabuli</i>	Ca_Kabuli_denovo	22658903	(C/T)
24137	CakSNP24137	<i>Kabuli</i>	Ca_Kabuli_denovo	22658906	(C/T)
24138	CakSNP24138	<i>Kabuli</i>	Ca_Kabuli_denovo	22663217	(G/C)
24139	CakSNP24139	<i>Kabuli</i>	Ca_Kabuli_denovo	22663232	(T/C)
24140	CakSNP24140	<i>Kabuli</i>	Ca_Kabuli_denovo	22665794	(C/G)
24141	CakSNP24141	<i>Kabuli</i>	Ca_Kabuli_denovo	22667929	(T/C)
24142	CakSNP24142	<i>Kabuli</i>	Ca_Kabuli_denovo	22698389	(C/G)
24143	CakSNP24143	<i>Kabuli</i>	Ca_Kabuli_denovo	22701613	(A/T)
24144	CakSNP24144	<i>Kabuli</i>	Ca_Kabuli_denovo	22701626	(C/T)
24145	CakSNP24145	<i>Kabuli</i>	Ca_Kabuli_denovo	22704938	(C/G)
24146	CakSNP24146	<i>Kabuli</i>	Ca_Kabuli_denovo	22706294	(A/G)
24147	CakSNP24147	<i>Kabuli</i>	Ca_Kabuli_denovo	22706309	(G/A)
24148	CakSNP24148	<i>Kabuli</i>	Ca_Kabuli_denovo	22711654	(T/C)
24149	CakSNP24149	<i>Kabuli</i>	Ca_Kabuli_denovo	22712338	(G/C)
24150	CakSNP24150	<i>Kabuli</i>	Ca_Kabuli_denovo	22722943	(T/C)
24151	CakSNP24151	<i>Kabuli</i>	Ca_Kabuli_denovo	22722952	(G/C)
24152	CakSNP24152	<i>Kabuli</i>	Ca_Kabuli_denovo	22725798	(G/C)
24153	CakSNP24153	<i>Kabuli</i>	Ca_Kabuli_denovo	22725833	(G/T)
24154	CakSNP24154	<i>Kabuli</i>	Ca_Kabuli_denovo	22733117	(A/G)
24155	CakSNP24155	<i>Kabuli</i>	Ca_Kabuli_denovo	22733125	(C/G)
24156	CakSNP24156	<i>Kabuli</i>	Ca_Kabuli_denovo	22735553	(A/G)
24157	CakSNP24157	<i>Kabuli</i>	Ca_Kabuli_denovo	22735578	(A/G)
24158	CakSNP24158	<i>Kabuli</i>	Ca_Kabuli_denovo	22749173	(G/T)
24159	CakSNP24159	<i>Kabuli</i>	Ca_Kabuli_denovo	22749177	(G/C)
24160	CakSNP24160	<i>Kabuli</i>	Ca_Kabuli_denovo	22749186	(T/G)
24161	CakSNP24161	<i>Kabuli</i>	Ca_Kabuli_denovo	22762717	(C/G)
24162	CakSNP24162	<i>Kabuli</i>	Ca_Kabuli_denovo	22762805	(T/G)
24163	CakSNP24163	<i>Kabuli</i>	Ca_Kabuli_denovo	22762824	(G/T)
24164	CakSNP24164	<i>Kabuli</i>	Ca_Kabuli_denovo	22762857	(C/G)
24165	CakSNP24165	<i>Kabuli</i>	Ca_Kabuli_denovo	22767279	(T/G)
24166	CakSNP24166	<i>Kabuli</i>	Ca_Kabuli_denovo	22767322	(C/A)
24167	CakSNP24167	<i>Kabuli</i>	Ca_Kabuli_denovo	22770414	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24168	CakSNP24168	<i>Kabuli</i>	Ca_Kabuli_denovo	22770468	(A/G)
24169	CakSNP24169	<i>Kabuli</i>	Ca_Kabuli_denovo	22772193	(G/C)
24170	CakSNP24170	<i>Kabuli</i>	Ca_Kabuli_denovo	22772208	(T/G)
24171	CakSNP24171	<i>Kabuli</i>	Ca_Kabuli_denovo	22774872	(A/G)
24172	CakSNP24172	<i>Kabuli</i>	Ca_Kabuli_denovo	22774887	(C/A)
24173	CakSNP24173	<i>Kabuli</i>	Ca_Kabuli_denovo	22774929	(T/G)
24174	CakSNP24174	<i>Kabuli</i>	Ca_Kabuli_denovo	22774938	(C/G)
24175	CakSNP24175	<i>Kabuli</i>	Ca_Kabuli_denovo	22779099	(G/T)
24176	CakSNP24176	<i>Kabuli</i>	Ca_Kabuli_denovo	22786218	(T/G)
24177	CakSNP24177	<i>Kabuli</i>	Ca_Kabuli_denovo	22786232	(A/G)
24178	CakSNP24178	<i>Kabuli</i>	Ca_Kabuli_denovo	22786258	(G/A)
24179	CakSNP24179	<i>Kabuli</i>	Ca_Kabuli_denovo	22786269	(A/G)
24180	CakSNP24180	<i>Kabuli</i>	Ca_Kabuli_denovo	23389902	(A/G)
24181	CakSNP24181	<i>Kabuli</i>	Ca_Kabuli_denovo	26279213	(G/C)
24182	CakSNP24182	<i>Kabuli</i>	Ca_Kabuli_denovo	26279215	(G/T)
24183	CakSNP24183	<i>Kabuli</i>	Ca_Kabuli_denovo	26279249	(T/C)
24184	CakSNP24184	<i>Kabuli</i>	Ca_Kabuli_denovo	28463588	(A/G)
24185	CakSNP24185	<i>Kabuli</i>	Ca_Kabuli_denovo	28463605	(G/A)
24186	CakSNP24186	<i>Kabuli</i>	Ca_Kabuli_denovo	30521758	(C/T)
24187	CakSNP24187	<i>Kabuli</i>	Ca_Kabuli_denovo	30521760	(T/C)
24188	CakSNP24188	<i>Kabuli</i>	Ca_Kabuli_denovo	30521761	(G/A)
24189	CakSNP24189	<i>Kabuli</i>	Ca_Kabuli_denovo	30521763	(T/C)
24190	CakSNP24190	<i>Kabuli</i>	Ca_Kabuli_denovo	30542416	(G/A)
24191	CakSNP24191	<i>Kabuli</i>	Ca_Kabuli_denovo	30542450	(A/G)
24192	CakSNP24192	<i>Kabuli</i>	Ca_Kabuli_denovo	30542467	(C/G)
24193	CakSNP24193	<i>Kabuli</i>	Ca_Kabuli_denovo	30542477	(A/G)
24194	CakSNP24194	<i>Kabuli</i>	Ca_Kabuli_denovo	30544320	(T/G)
24195	CakSNP24195	<i>Kabuli</i>	Ca_Kabuli_denovo	30544340	(T/C)
24196	CakSNP24196	<i>Kabuli</i>	Ca_Kabuli_denovo	30544349	(A/G)
24197	CakSNP24197	<i>Kabuli</i>	Ca_Kabuli_denovo	30544978	(T/A)
24198	CakSNP24198	<i>Kabuli</i>	Ca_Kabuli_denovo	30544987	(T/A)
24199	CakSNP24199	<i>Kabuli</i>	Ca_Kabuli_denovo	30544997	(G/C)
24200	CakSNP24200	<i>Kabuli</i>	Ca_Kabuli_denovo	30556074	(T/C)
24201	CakSNP24201	<i>Kabuli</i>	Ca_Kabuli_denovo	30556076	(T/C)
24202	CakSNP24202	<i>Kabuli</i>	Ca_Kabuli_denovo	30556080	(T/A)
24203	CakSNP24203	<i>Kabuli</i>	Ca_Kabuli_denovo	30556081	(C/A)
24204	CakSNP24204	<i>Kabuli</i>	Ca_Kabuli_denovo	30562605	(A/G)
24205	CakSNP24205	<i>Kabuli</i>	Ca_Kabuli_denovo	30562663	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24206	CakSNP24206	<i>Kabuli</i>	Ca_Kabuli_denovo	30564215	(C/G)
24207	CakSNP24207	<i>Kabuli</i>	Ca_Kabuli_denovo	30564217	(T/G)
24208	CakSNP24208	<i>Kabuli</i>	Ca_Kabuli_denovo	30565114	(T/G)
24209	CakSNP24209	<i>Kabuli</i>	Ca_Kabuli_denovo	30565484	(C/A)
24210	CakSNP24210	<i>Kabuli</i>	Ca_Kabuli_denovo	30565552	(G/T)
24211	CakSNP24211	<i>Kabuli</i>	Ca_Kabuli_denovo	30585112	(C/G)
24212	CakSNP24212	<i>Kabuli</i>	Ca_Kabuli_denovo	30595715	(C/G)
24213	CakSNP24213	<i>Kabuli</i>	Ca_Kabuli_denovo	30595726	(C/G)
24214	CakSNP24214	<i>Kabuli</i>	Ca_Kabuli_denovo	30595772	(A/G)
24215	CakSNP24215	<i>Kabuli</i>	Ca_Kabuli_denovo	30595815	(C/A)
24216	CakSNP24216	<i>Kabuli</i>	Ca_Kabuli_denovo	30595832	(T/A)
24217	CakSNP24217	<i>Kabuli</i>	Ca_Kabuli_denovo	30608911	(G/A)
24218	CakSNP24218	<i>Kabuli</i>	Ca_Kabuli_denovo	30608992	(G/T)
24219	CakSNP24219	<i>Kabuli</i>	Ca_Kabuli_denovo	30608994	(T/C)
24220	CakSNP24220	<i>Kabuli</i>	Ca_Kabuli_denovo	30624438	(A/T)
24221	CakSNP24221	<i>Kabuli</i>	Ca_Kabuli_denovo	30624449	(G/A)
24222	CakSNP24222	<i>Kabuli</i>	Ca_Kabuli_denovo	30654546	(A/G)
24223	CakSNP24223	<i>Kabuli</i>	Ca_Kabuli_denovo	30654549	(A/C)
24224	CakSNP24224	<i>Kabuli</i>	Ca_Kabuli_denovo	30654551	(C/G)
24225	CakSNP24225	<i>Kabuli</i>	Ca_Kabuli_denovo	30654552	(T/G)
24226	CakSNP24226	<i>Kabuli</i>	Ca_Kabuli_denovo	30689389	(C/T)
24227	CakSNP24227	<i>Kabuli</i>	Ca_Kabuli_denovo	30692542	(C/T)
24228	CakSNP24228	<i>Kabuli</i>	Ca_Kabuli_denovo	30701261	(G/A)
24229	CakSNP24229	<i>Kabuli</i>	Ca_Kabuli_denovo	30701345	(T/A)
24230	CakSNP24230	<i>Kabuli</i>	Ca_Kabuli_denovo	30713916	(A/G)
24231	CakSNP24231	<i>Kabuli</i>	Ca_Kabuli_denovo	30713943	(A/G)
24232	CakSNP24232	<i>Kabuli</i>	Ca_Kabuli_denovo	30717672	(T/G)
24233	CakSNP24233	<i>Kabuli</i>	Ca_Kabuli_denovo	30720426	(T/G)
24234	CakSNP24234	<i>Kabuli</i>	Ca_Kabuli_denovo	30720438	(G/T)
24235	CakSNP24235	<i>Kabuli</i>	Ca_Kabuli_denovo	30720473	(A/G)
24236	CakSNP24236	<i>Kabuli</i>	Ca_Kabuli_denovo	30722929	(G/T)
24237	CakSNP24237	<i>Kabuli</i>	Ca_Kabuli_denovo	30722957	(T/G)
24238	CakSNP24238	<i>Kabuli</i>	Ca_Kabuli_denovo	30722963	(A/G)
24239	CakSNP24239	<i>Kabuli</i>	Ca_Kabuli_denovo	30722980	(G/A)
24240	CakSNP24240	<i>Kabuli</i>	Ca_Kabuli_denovo	30726959	(G/A)
24241	CakSNP24241	<i>Kabuli</i>	Ca_Kabuli_denovo	30726961	(G/A)
24242	CakSNP24242	<i>Kabuli</i>	Ca_Kabuli_denovo	30726962	(A/G)
24243	CakSNP24243	<i>Kabuli</i>	Ca_Kabuli_denovo	30726963	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24244	CakSNP24244	<i>Kabuli</i>	Ca_Kabuli_denovo	30728437	(T/G)
24245	CakSNP24245	<i>Kabuli</i>	Ca_Kabuli_denovo	30728439	(A/G)
24246	CakSNP24246	<i>Kabuli</i>	Ca_Kabuli_denovo	30728469	(A/G)
24247	CakSNP24247	<i>Kabuli</i>	Ca_Kabuli_denovo	30730294	(G/C)
24248	CakSNP24248	<i>Kabuli</i>	Ca_Kabuli_denovo	30730741	(C/A)
24249	CakSNP24249	<i>Kabuli</i>	Ca_Kabuli_denovo	30730742	(C/G)
24250	CakSNP24250	<i>Kabuli</i>	Ca_Kabuli_denovo	30730743	(A/C)
24251	CakSNP24251	<i>Kabuli</i>	Ca_Kabuli_denovo	30730744	(G/A)
24252	CakSNP24252	<i>Kabuli</i>	Ca_Kabuli_denovo	30730790	(A/C)
24253	CakSNP24253	<i>Kabuli</i>	Ca_Kabuli_denovo	30731368	(C/G)
24254	CakSNP24254	<i>Kabuli</i>	Ca_Kabuli_denovo	30731905	(T/G)
24255	CakSNP24255	<i>Kabuli</i>	Ca_Kabuli_denovo	30731938	(T/G)
24256	CakSNP24256	<i>Kabuli</i>	Ca_Kabuli_denovo	30733630	(T/G)
24257	CakSNP24257	<i>Kabuli</i>	Ca_Kabuli_denovo	30733690	(C/G)
24258	CakSNP24258	<i>Kabuli</i>	Ca_Kabuli_denovo	30733694	(A/T)
24259	CakSNP24259	<i>Kabuli</i>	Ca_Kabuli_denovo	30733703	(G/T)
24260	CakSNP24260	<i>Kabuli</i>	Ca_Kabuli_denovo	30742989	(T/G)
24261	CakSNP24261	<i>Kabuli</i>	Ca_Kabuli_denovo	30742991	(A/C)
24262	CakSNP24262	<i>Kabuli</i>	Ca_Kabuli_denovo	30742993	(A/C)
24263	CakSNP24263	<i>Kabuli</i>	Ca_Kabuli_denovo	30742994	(G/A)
24264	CakSNP24264	<i>Kabuli</i>	Ca_Kabuli_denovo	30742995	(A/G)
24265	CakSNP24265	<i>Kabuli</i>	Ca_Kabuli_denovo	30746022	(G/A)
24266	CakSNP24266	<i>Kabuli</i>	Ca_Kabuli_denovo	30746046	(A/G)
24267	CakSNP24267	<i>Kabuli</i>	Ca_Kabuli_denovo	30752607	(A/G)
24268	CakSNP24268	<i>Kabuli</i>	Ca_Kabuli_denovo	30756090	(A/G)
24269	CakSNP24269	<i>Kabuli</i>	Ca_Kabuli_denovo	30756108	(A/C)
24270	CakSNP24270	<i>Kabuli</i>	Ca_Kabuli_denovo	30756117	(A/G)
24271	CakSNP24271	<i>Kabuli</i>	Ca_Kabuli_denovo	30760173	(G/C)
24272	CakSNP24272	<i>Kabuli</i>	Ca_Kabuli_denovo	30760215	(C/G)
24273	CakSNP24273	<i>Kabuli</i>	Ca_Kabuli_denovo	30765681	(T/C)
24274	CakSNP24274	<i>Kabuli</i>	Ca_Kabuli_denovo	30765682	(C/G)
24275	CakSNP24275	<i>Kabuli</i>	Ca_Kabuli_denovo	30765685	(A/C)
24276	CakSNP24276	<i>Kabuli</i>	Ca_Kabuli_denovo	30765686	(A/C)
24277	CakSNP24277	<i>Kabuli</i>	Ca_Kabuli_denovo	30766057	(G/A)
24278	CakSNP24278	<i>Kabuli</i>	Ca_Kabuli_denovo	30768470	(A/T)
24279	CakSNP24279	<i>Kabuli</i>	Ca_Kabuli_denovo	30772256	(C/G)
24280	CakSNP24280	<i>Kabuli</i>	Ca_Kabuli_denovo	30772258	(G/T)
24281	CakSNP24281	<i>Kabuli</i>	Ca_Kabuli_denovo	30772260	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24282	CakSNP24282	<i>Kabuli</i>	Ca_Kabuli_denovo	30772261	(A/C)
24283	CakSNP24283	<i>Kabuli</i>	Ca_Kabuli_denovo	30772262	(G/A)
24284	CakSNP24284	<i>Kabuli</i>	Ca_Kabuli_denovo	30774518	(A/G)
24285	CakSNP24285	<i>Kabuli</i>	Ca_Kabuli_denovo	30774519	(G/A)
24286	CakSNP24286	<i>Kabuli</i>	Ca_Kabuli_denovo	30774521	(A/C)
24287	CakSNP24287	<i>Kabuli</i>	Ca_Kabuli_denovo	30774523	(G/A)
24288	CakSNP24288	<i>Kabuli</i>	Ca_Kabuli_denovo	30774524	(T/A)
24289	CakSNP24289	<i>Kabuli</i>	Ca_Kabuli_denovo	30774525	(C/A)
24290	CakSNP24290	<i>Kabuli</i>	Ca_Kabuli_denovo	30775207	(A/G)
24291	CakSNP24291	<i>Kabuli</i>	Ca_Kabuli_denovo	30775239	(A/G)
24292	CakSNP24292	<i>Kabuli</i>	Ca_Kabuli_denovo	30775240	(T/G)
24293	CakSNP24293	<i>Kabuli</i>	Ca_Kabuli_denovo	30775682	(C/G)
24294	CakSNP24294	<i>Kabuli</i>	Ca_Kabuli_denovo	30775707	(C/G)
24295	CakSNP24295	<i>Kabuli</i>	Ca_Kabuli_denovo	30775728	(A/G)
24296	CakSNP24296	<i>Kabuli</i>	Ca_Kabuli_denovo	30776185	(C/G)
24297	CakSNP24297	<i>Kabuli</i>	Ca_Kabuli_denovo	30776186	(A/G)
24298	CakSNP24298	<i>Kabuli</i>	Ca_Kabuli_denovo	30776187	(A/T)
24299	CakSNP24299	<i>Kabuli</i>	Ca_Kabuli_denovo	30776188	(C/T)
24300	CakSNP24300	<i>Kabuli</i>	Ca_Kabuli_denovo	30780155	(C/A)
24301	CakSNP24301	<i>Kabuli</i>	Ca_Kabuli_denovo	30780159	(A/G)
24302	CakSNP24302	<i>Kabuli</i>	Ca_Kabuli_denovo	30780168	(T/G)
24303	CakSNP24303	<i>Kabuli</i>	Ca_Kabuli_denovo	30780869	(T/G)
24304	CakSNP24304	<i>Kabuli</i>	Ca_Kabuli_denovo	30780871	(C/G)
24305	CakSNP24305	<i>Kabuli</i>	Ca_Kabuli_denovo	30780877	(A/G)
24306	CakSNP24306	<i>Kabuli</i>	Ca_Kabuli_denovo	30780881	(C/G)
24307	CakSNP24307	<i>Kabuli</i>	Ca_Kabuli_denovo	30780893	(T/G)
24308	CakSNP24308	<i>Kabuli</i>	Ca_Kabuli_denovo	30786169	(A/G)
24309	CakSNP24309	<i>Kabuli</i>	Ca_Kabuli_denovo	30786176	(G/A)
24310	CakSNP24310	<i>Kabuli</i>	Ca_Kabuli_denovo	30786230	(T/G)
24311	CakSNP24311	<i>Kabuli</i>	Ca_Kabuli_denovo	30786234	(A/G)
24312	CakSNP24312	<i>Kabuli</i>	Ca_Kabuli_denovo	30792759	(T/C)
24313	CakSNP24313	<i>Kabuli</i>	Ca_Kabuli_denovo	30792760	(A/C)
24314	CakSNP24314	<i>Kabuli</i>	Ca_Kabuli_denovo	30792764	(A/C)
24315	CakSNP24315	<i>Kabuli</i>	Ca_Kabuli_denovo	30792765	(A/G)
24316	CakSNP24316	<i>Kabuli</i>	Ca_Kabuli_denovo	30797378	(T/G)
24317	CakSNP24317	<i>Kabuli</i>	Ca_Kabuli_denovo	30797410	(A/G)
24318	CakSNP24318	<i>Kabuli</i>	Ca_Kabuli_denovo	30798168	(C/G)
24319	CakSNP24319	<i>Kabuli</i>	Ca_Kabuli_denovo	30798174	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24320	CakSNP24320	<i>Kabuli</i>	Ca_Kabuli_denovo	30798186	(G/A)
24321	CakSNP24321	<i>Kabuli</i>	Ca_Kabuli_denovo	30798221	(A/G)
24322	CakSNP24322	<i>Kabuli</i>	Ca_Kabuli_denovo	30806118	(A/G)
24323	CakSNP24323	<i>Kabuli</i>	Ca_Kabuli_denovo	30807009	(C/G)
24324	CakSNP24324	<i>Kabuli</i>	Ca_Kabuli_denovo	30814984	(C/A)
24325	CakSNP24325	<i>Kabuli</i>	Ca_Kabuli_denovo	30814986	(G/T)
24326	CakSNP24326	<i>Kabuli</i>	Ca_Kabuli_denovo	30814988	(C/A)
24327	CakSNP24327	<i>Kabuli</i>	Ca_Kabuli_denovo	30814989	(C/A)
24328	CakSNP24328	<i>Kabuli</i>	Ca_Kabuli_denovo	30814991	(A/G)
24329	CakSNP24329	<i>Kabuli</i>	Ca_Kabuli_denovo	30817556	(C/G)
24330	CakSNP24330	<i>Kabuli</i>	Ca_Kabuli_denovo	30820587	(G/A)
24331	CakSNP24331	<i>Kabuli</i>	Ca_Kabuli_denovo	30820674	(A/G)
24332	CakSNP24332	<i>Kabuli</i>	Ca_Kabuli_denovo	30820693	(T/G)
24333	CakSNP24333	<i>Kabuli</i>	Ca_Kabuli_denovo	30820725	(A/G)
24334	CakSNP24334	<i>Kabuli</i>	Ca_Kabuli_denovo	30820857	(G/A)
24335	CakSNP24335	<i>Kabuli</i>	Ca_Kabuli_denovo	30820885	(T/G)
24336	CakSNP24336	<i>Kabuli</i>	Ca_Kabuli_denovo	30820935	(G/C)
24337	CakSNP24337	<i>Kabuli</i>	Ca_Kabuli_denovo	30821907	(A/G)
24338	CakSNP24338	<i>Kabuli</i>	Ca_Kabuli_denovo	30821961	(T/G)
24339	CakSNP24339	<i>Kabuli</i>	Ca_Kabuli_denovo	30824952	(C/A)
24340	CakSNP24340	<i>Kabuli</i>	Ca_Kabuli_denovo	30825037	(G/T)
24341	CakSNP24341	<i>Kabuli</i>	Ca_Kabuli_denovo	30825073	(C/G)
24342	CakSNP24342	<i>Kabuli</i>	Ca_Kabuli_denovo	30825087	(T/G)
24343	CakSNP24343	<i>Kabuli</i>	Ca_Kabuli_denovo	30825459	(C/G)
24344	CakSNP24344	<i>Kabuli</i>	Ca_Kabuli_denovo	30826626	(A/G)
24345	CakSNP24345	<i>Kabuli</i>	Ca_Kabuli_denovo	30826708	(T/A)
24346	CakSNP24346	<i>Kabuli</i>	Ca_Kabuli_denovo	30826821	(C/A)
24347	CakSNP24347	<i>Kabuli</i>	Ca_Kabuli_denovo	30826826	(T/G)
24348	CakSNP24348	<i>Kabuli</i>	Ca_Kabuli_denovo	30826840	(G/T)
24349	CakSNP24349	<i>Kabuli</i>	Ca_Kabuli_denovo	30826859	(A/G)
24350	CakSNP24350	<i>Kabuli</i>	Ca_Kabuli_denovo	30826896	(T/G)
24351	CakSNP24351	<i>Kabuli</i>	Ca_Kabuli_denovo	30829200	(G/A)
24352	CakSNP24352	<i>Kabuli</i>	Ca_Kabuli_denovo	30829213	(C/G)
24353	CakSNP24353	<i>Kabuli</i>	Ca_Kabuli_denovo	30831665	(G/T)
24354	CakSNP24354	<i>Kabuli</i>	Ca_Kabuli_denovo	30832766	(C/G)
24355	CakSNP24355	<i>Kabuli</i>	Ca_Kabuli_denovo	30833069	(G/A)
24356	CakSNP24356	<i>Kabuli</i>	Ca_Kabuli_denovo	30835039	(G/A)
24357	CakSNP24357	<i>Kabuli</i>	Ca_Kabuli_denovo	30835060	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24358	CakSNP24358	<i>Kabuli</i>	Ca_Kabuli_denovo	30836884	(A/G)
24359	CakSNP24359	<i>Kabuli</i>	Ca_Kabuli_denovo	30836903	(T/C)
24360	CakSNP24360	<i>Kabuli</i>	Ca_Kabuli_denovo	30836937	(T/A)
24361	CakSNP24361	<i>Kabuli</i>	Ca_Kabuli_denovo	30836941	(A/C)
24362	CakSNP24362	<i>Kabuli</i>	Ca_Kabuli_denovo	30846063	(T/G)
24363	CakSNP24363	<i>Kabuli</i>	Ca_Kabuli_denovo	30846909	(T/G)
24364	CakSNP24364	<i>Kabuli</i>	Ca_Kabuli_denovo	30886176	(A/G)
24365	CakSNP24365	<i>Kabuli</i>	Ca_Kabuli_denovo	30886221	(C/T)
24366	CakSNP24366	<i>Kabuli</i>	Ca_Kabuli_denovo	30914188	(A/T)
24367	CakSNP24367	<i>Kabuli</i>	Ca_Kabuli_denovo	30914189	(T/C)
24368	CakSNP24368	<i>Kabuli</i>	Ca_Kabuli_denovo	30914190	(C/G)
24369	CakSNP24369	<i>Kabuli</i>	Ca_Kabuli_denovo	30914192	(A/G)
24370	CakSNP24370	<i>Kabuli</i>	Ca_Kabuli_denovo	30914194	(G/A)
24371	CakSNP24371	<i>Kabuli</i>	Ca_Kabuli_denovo	30914211	(T/A)
24372	CakSNP24372	<i>Kabuli</i>	Ca_Kabuli_denovo	30914217	(G/A)
24373	CakSNP24373	<i>Kabuli</i>	Ca_Kabuli_denovo	30914223	(T/C)
24374	CakSNP24374	<i>Kabuli</i>	Ca_Kabuli_denovo	30914224	(C/T)
24375	CakSNP24375	<i>Kabuli</i>	Ca_Kabuli_denovo	30915856	(G/A)
24376	CakSNP24376	<i>Kabuli</i>	Ca_Kabuli_denovo	30920569	(C/A)
24377	CakSNP24377	<i>Kabuli</i>	Ca_Kabuli_denovo	30920603	(A/G)
24378	CakSNP24378	<i>Kabuli</i>	Ca_Kabuli_denovo	30920620	(C/G)
24379	CakSNP24379	<i>Kabuli</i>	Ca_Kabuli_denovo	30920641	(T/G)
24380	CakSNP24380	<i>Kabuli</i>	Ca_Kabuli_denovo	30948570	(A/G)
24381	CakSNP24381	<i>Kabuli</i>	Ca_Kabuli_denovo	30948583	(C/T)
24382	CakSNP24382	<i>Kabuli</i>	Ca_Kabuli_denovo	39369006	(C/G)
24383	CakSNP24383	<i>Kabuli</i>	Ca_Kabuli_denovo	43194868	(T/A)
24384	CakSNP24384	<i>Kabuli</i>	Ca_Kabuli_denovo	43209602	(C/T)
24385	CakSNP24385	<i>Kabuli</i>	Ca_Kabuli_denovo	43209612	(T/G)
24386	CakSNP24386	<i>Kabuli</i>	Ca_Kabuli_denovo	43706574	(C/T)
24387	CakSNP24387	<i>Kabuli</i>	Ca_Kabuli_denovo	43711784	(A/C)
24388	CakSNP24388	<i>Kabuli</i>	Ca_Kabuli_denovo	43711813	(A/G)
24389	CakSNP24389	<i>Kabuli</i>	Ca_Kabuli_denovo	43990689	(T/C)
24390	CakSNP24390	<i>Kabuli</i>	Ca_Kabuli_denovo	43990690	(C/G)
24391	CakSNP24391	<i>Kabuli</i>	Ca_Kabuli_denovo	43990720	(C/A)
24392	CakSNP24392	<i>Kabuli</i>	Ca_Kabuli_denovo	43990743	(G/A)
24393	CakSNP24393	<i>Kabuli</i>	Ca_Kabuli_denovo	43990748	(T/G)
24394	CakSNP24394	<i>Kabuli</i>	Ca_Kabuli_denovo	43990751	(C/T)
24395	CakSNP24395	<i>Kabuli</i>	Ca_Kabuli_denovo	44029557	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24396	CakSNP24396	<i>Kabuli</i>	Ca_Kabuli_denovo	44029593	(G/T)
24397	CakSNP24397	<i>Kabuli</i>	Ca_Kabuli_denovo	44071541	(A/G)
24398	CakSNP24398	<i>Kabuli</i>	Ca_Kabuli_denovo	44449557	(A/G)
24399	CakSNP24399	<i>Kabuli</i>	Ca_Kabuli_denovo	44449575	(A/T)
24400	CakSNP24400	<i>Kabuli</i>	Ca_Kabuli_denovo	44449577	(G/A)
24401	CakSNP24401	<i>Kabuli</i>	Ca_Kabuli_denovo	44449597	(C/T)
24402	CakSNP24402	<i>Kabuli</i>	Ca_Kabuli_denovo	67025915	(G/T)
24403	CakSNP24403	<i>Kabuli</i>	Ca_Kabuli_denovo	67025928	(G/T)
24404	CakSNP24404	<i>Kabuli</i>	Ca_Kabuli_denovo	67030173	(T/G)
24405	CakSNP24405	<i>Kabuli</i>	Ca_Kabuli_denovo	67030216	(A/G)
24406	CadSNP1	<i>Desi</i>	Ca_Desi_Chr01	179189	(A/C)
24407	CadSNP2	<i>Desi</i>	Ca_Desi_Chr01	382862	(T/C)
24408	CadSNP3	<i>Desi</i>	Ca_Desi_Chr01	382872	(G/A)
24409	CadSNP4	<i>Desi</i>	Ca_Desi_Chr01	382898	(T/C)
24410	CadSNP5	<i>Desi</i>	Ca_Desi_Chr01	436895	(A/C)
24411	CadSNP6	<i>Desi</i>	Ca_Desi_Chr01	461870	(A/G)
24412	CadSNP7	<i>Desi</i>	Ca_Desi_Chr01	498862	(A/G)
24413	CadSNP8	<i>Desi</i>	Ca_Desi_Chr01	517512	(T/C)
24414	CadSNP9	<i>Desi</i>	Ca_Desi_Chr01	517439	(A/G)
24415	CadSNP10	<i>Desi</i>	Ca_Desi_Chr01	527099	(A/G)
24416	CadSNP11	<i>Desi</i>	Ca_Desi_Chr01	527113	(G/T)
24417	CadSNP12	<i>Desi</i>	Ca_Desi_Chr01	527118	(T/C)
24418	CadSNP13	<i>Desi</i>	Ca_Desi_Chr01	527135	(G/A)
24419	CadSNP14	<i>Desi</i>	Ca_Desi_Chr01	527142	(G/T)
24420	CadSNP15	<i>Desi</i>	Ca_Desi_Chr01	527181	(C/A)
24421	CadSNP16	<i>Desi</i>	Ca_Desi_Chr01	527176	(T/C)
24422	CadSNP17	<i>Desi</i>	Ca_Desi_Chr01	527104	(G/T)
24423	CadSNP18	<i>Desi</i>	Ca_Desi_Chr01	533122	(G/A)
24424	CadSNP19	<i>Desi</i>	Ca_Desi_Chr01	533125	(C/T)
24425	CadSNP20	<i>Desi</i>	Ca_Desi_Chr01	533127	(T/A)
24426	CadSNP21	<i>Desi</i>	Ca_Desi_Chr01	533182	(T/A)
24427	CadSNP22	<i>Desi</i>	Ca_Desi_Chr01	537937	(T/C)
24428	CadSNP23	<i>Desi</i>	Ca_Desi_Chr01	537971	(A/G)
24429	CadSNP24	<i>Desi</i>	Ca_Desi_Chr01	538012	(C/T)
24430	CadSNP25	<i>Desi</i>	Ca_Desi_Chr01	538086	(G/T)
24431	CadSNP26	<i>Desi</i>	Ca_Desi_Chr01	548203	(T/C)
24432	CadSNP27	<i>Desi</i>	Ca_Desi_Chr01	551496	(T/G)
24433	CadSNP28	<i>Desi</i>	Ca_Desi_Chr01	559934	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24434	CadSNP29	<i>Desi</i>	Ca_Desig_Chr01	559964	(C/T)
24435	CadSNP30	<i>Desi</i>	Ca_Desig_Chr01	620260	(T/G)
24436	CadSNP31	<i>Desi</i>	Ca_Desig_Chr01	620310	(C/T)
24437	CadSNP32	<i>Desi</i>	Ca_Desig_Chr01	647919	(G/T)
24438	CadSNP33	<i>Desi</i>	Ca_Desig_Chr01	648015	(G/A)
24439	CadSNP34	<i>Desi</i>	Ca_Desig_Chr01	664787	(T/G)
24440	CadSNP35	<i>Desi</i>	Ca_Desig_Chr01	685373	(T/C)
24441	CadSNP36	<i>Desi</i>	Ca_Desig_Chr01	704852	(A/G)
24442	CadSNP37	<i>Desi</i>	Ca_Desig_Chr01	704814	(C/T)
24443	CadSNP38	<i>Desi</i>	Ca_Desig_Chr01	704812	(C/G)
24444	CadSNP39	<i>Desi</i>	Ca_Desig_Chr01	739330	(C/T)
24445	CadSNP40	<i>Desi</i>	Ca_Desig_Chr01	739365	(G/A)
24446	CadSNP41	<i>Desi</i>	Ca_Desig_Chr01	739371	(T/A)
24447	CadSNP42	<i>Desi</i>	Ca_Desig_Chr01	739452	(T/C)
24448	CadSNP43	<i>Desi</i>	Ca_Desig_Chr01	739437	(G/A)
24449	CadSNP44	<i>Desi</i>	Ca_Desig_Chr01	756894	(A/G)
24450	CadSNP45	<i>Desi</i>	Ca_Desig_Chr01	757353	(A/C)
24451	CadSNP46	<i>Desi</i>	Ca_Desig_Chr01	757501	(T/A)
24452	CadSNP47	<i>Desi</i>	Ca_Desig_Chr01	766231	(C/A)
24453	CadSNP48	<i>Desi</i>	Ca_Desig_Chr01	766221	(T/C)
24454	CadSNP49	<i>Desi</i>	Ca_Desig_Chr01	766202	(T/C)
24455	CadSNP50	<i>Desi</i>	Ca_Desig_Chr01	766200	(A/G)
24456	CadSNP51	<i>Desi</i>	Ca_Desig_Chr01	766199	(A/T)
24457	CadSNP52	<i>Desi</i>	Ca_Desig_Chr01	785375	(C/A)
24458	CadSNP53	<i>Desi</i>	Ca_Desig_Chr01	785650	(G/A)
24459	CadSNP54	<i>Desi</i>	Ca_Desig_Chr01	786321	(A/T)
24460	CadSNP55	<i>Desi</i>	Ca_Desig_Chr01	791180	(A/C)
24461	CadSNP56	<i>Desi</i>	Ca_Desig_Chr01	807232	(T/C)
24462	CadSNP57	<i>Desi</i>	Ca_Desig_Chr01	807195	(C/T)
24463	CadSNP58	<i>Desi</i>	Ca_Desig_Chr01	836330	(G/T)
24464	CadSNP59	<i>Desi</i>	Ca_Desig_Chr01	836351	(C/T)
24465	CadSNP60	<i>Desi</i>	Ca_Desig_Chr01	836381	(T/C)
24466	CadSNP61	<i>Desi</i>	Ca_Desig_Chr01	836365	(C/T)
24467	CadSNP62	<i>Desi</i>	Ca_Desig_Chr01	836796	(C/G)
24468	CadSNP63	<i>Desi</i>	Ca_Desig_Chr01	836859	(G/A)
24469	CadSNP64	<i>Desi</i>	Ca_Desig_Chr01	836842	(T/G)
24470	CadSNP65	<i>Desi</i>	Ca_Desig_Chr01	845508	(C/T)
24471	CadSNP66	<i>Desi</i>	Ca_Desig_Chr01	872280	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24472	CadSNP67	<i>Desi</i>	Ca_Desig_Chr01	872247	(G/A)
24473	CadSNP68	<i>Desi</i>	Ca_Desig_Chr01	885647	(A/C)
24474	CadSNP69	<i>Desi</i>	Ca_Desig_Chr01	885643	(C/T)
24475	CadSNP70	<i>Desi</i>	Ca_Desig_Chr01	885745	(G/T)
24476	CadSNP71	<i>Desi</i>	Ca_Desig_Chr01	965708	(T/C)
24477	CadSNP72	<i>Desi</i>	Ca_Desig_Chr01	965885	(T/C)
24478	CadSNP73	<i>Desi</i>	Ca_Desig_Chr01	965884	(G/A)
24479	CadSNP74	<i>Desi</i>	Ca_Desig_Chr01	965854	(T/C)
24480	CadSNP75	<i>Desi</i>	Ca_Desig_Chr01	968375	(T/C)
24481	CadSNP76	<i>Desi</i>	Ca_Desig_Chr01	973945	(G/T)
24482	CadSNP77	<i>Desi</i>	Ca_Desig_Chr01	973954	(C/T)
24483	CadSNP78	<i>Desi</i>	Ca_Desig_Chr01	978116	(T/C)
24484	CadSNP79	<i>Desi</i>	Ca_Desig_Chr01	978133	(T/A)
24485	CadSNP80	<i>Desi</i>	Ca_Desig_Chr01	983043	(C/A)
24486	CadSNP81	<i>Desi</i>	Ca_Desig_Chr01	983173	(G/A)
24487	CadSNP82	<i>Desi</i>	Ca_Desig_Chr01	983203	(G/T)
24488	CadSNP83	<i>Desi</i>	Ca_Desig_Chr01	992175	(G/A)
24489	CadSNP84	<i>Desi</i>	Ca_Desig_Chr01	992174	(C/T)
24490	CadSNP85	<i>Desi</i>	Ca_Desig_Chr01	999613	(T/C)
24491	CadSNP86	<i>Desi</i>	Ca_Desig_Chr01	1025432	(T/C)
24492	CadSNP87	<i>Desi</i>	Ca_Desig_Chr01	1025458	(C/T)
24493	CadSNP88	<i>Desi</i>	Ca_Desig_Chr01	1025593	(C/A)
24494	CadSNP89	<i>Desi</i>	Ca_Desig_Chr01	1025590	(A/G)
24495	CadSNP90	<i>Desi</i>	Ca_Desig_Chr01	1069295	(A/C)
24496	CadSNP91	<i>Desi</i>	Ca_Desig_Chr01	1069436	(G/A)
24497	CadSNP92	<i>Desi</i>	Ca_Desig_Chr01	1069425	(A/C)
24498	CadSNP93	<i>Desi</i>	Ca_Desig_Chr01	1069410	(A/T)
24499	CadSNP94	<i>Desi</i>	Ca_Desig_Chr01	1069403	(A/G)
24500	CadSNP95	<i>Desi</i>	Ca_Desig_Chr01	1071218	(C/T)
24501	CadSNP96	<i>Desi</i>	Ca_Desig_Chr01	1071230	(C/T)
24502	CadSNP97	<i>Desi</i>	Ca_Desig_Chr01	1071343	(G/A)
24503	CadSNP98	<i>Desi</i>	Ca_Desig_Chr01	1071275	(T/C)
24504	CadSNP99	<i>Desi</i>	Ca_Desig_Chr01	1072524	(A/T)
24505	CadSNP100	<i>Desi</i>	Ca_Desig_Chr01	1072532	(C/T)
24506	CadSNP101	<i>Desi</i>	Ca_Desig_Chr01	1072623	(G/A)
24507	CadSNP102	<i>Desi</i>	Ca_Desig_Chr01	1072955	(A/G)
24508	CadSNP103	<i>Desi</i>	Ca_Desig_Chr01	1072973	(T/C)
24509	CadSNP104	<i>Desi</i>	Ca_Desig_Chr01	1072976	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24510	CadSNP105	<i>Desi</i>	Ca_Desig_Chr01	1073000	(A/T)
24511	CadSNP106	<i>Desi</i>	Ca_Desig_Chr01	1073059	(G/A)
24512	CadSNP107	<i>Desi</i>	Ca_Desig_Chr01	1073054	(A/G)
24513	CadSNP108	<i>Desi</i>	Ca_Desig_Chr01	1073048	(G/A)
24514	CadSNP109	<i>Desi</i>	Ca_Desig_Chr01	1126922	(G/C)
24515	CadSNP110	<i>Desi</i>	Ca_Desig_Chr01	1140358	(A/G)
24516	CadSNP111	<i>Desi</i>	Ca_Desig_Chr01	1140485	(A/T)
24517	CadSNP112	<i>Desi</i>	Ca_Desig_Chr01	1145410	(A/G)
24518	CadSNP113	<i>Desi</i>	Ca_Desig_Chr01	1145493	(G/T)
24519	CadSNP114	<i>Desi</i>	Ca_Desig_Chr01	1146141	(C/T)
24520	CadSNP115	<i>Desi</i>	Ca_Desig_Chr01	1146138	(T/G)
24521	CadSNP116	<i>Desi</i>	Ca_Desig_Chr01	1146211	(C/T)
24522	CadSNP117	<i>Desi</i>	Ca_Desig_Chr01	1146466	(C/T)
24523	CadSNP118	<i>Desi</i>	Ca_Desig_Chr01	1146471	(A/G)
24524	CadSNP119	<i>Desi</i>	Ca_Desig_Chr01	1146489	(C/T)
24525	CadSNP120	<i>Desi</i>	Ca_Desig_Chr01	1146490	(G/A)
24526	CadSNP121	<i>Desi</i>	Ca_Desig_Chr01	1146659	(C/T)
24527	CadSNP122	<i>Desi</i>	Ca_Desig_Chr01	1146626	(C/A)
24528	CadSNP123	<i>Desi</i>	Ca_Desig_Chr01	1146611	(C/G)
24529	CadSNP124	<i>Desi</i>	Ca_Desig_Chr01	1156112	(A/G)
24530	CadSNP125	<i>Desi</i>	Ca_Desig_Chr01	1189681	(C/G)
24531	CadSNP126	<i>Desi</i>	Ca_Desig_Chr01	1189628	(C/A)
24532	CadSNP127	<i>Desi</i>	Ca_Desig_Chr01	1189627	(T/A)
24533	CadSNP128	<i>Desi</i>	Ca_Desig_Chr01	1189626	(G/C)
24534	CadSNP129	<i>Desi</i>	Ca_Desig_Chr01	1234998	(A/T)
24535	CadSNP130	<i>Desi</i>	Ca_Desig_Chr01	1234995	(G/A)
24536	CadSNP131	<i>Desi</i>	Ca_Desig_Chr01	1234986	(A/G)
24537	CadSNP132	<i>Desi</i>	Ca_Desig_Chr01	1234985	(A/G)
24538	CadSNP133	<i>Desi</i>	Ca_Desig_Chr01	1234977	(G/T)
24539	CadSNP134	<i>Desi</i>	Ca_Desig_Chr01	1271491	(C/T)
24540	CadSNP135	<i>Desi</i>	Ca_Desig_Chr01	1271498	(A/T)
24541	CadSNP136	<i>Desi</i>	Ca_Desig_Chr01	1271686	(G/A)
24542	CadSNP137	<i>Desi</i>	Ca_Desig_Chr01	1271654	(T/G)
24543	CadSNP138	<i>Desi</i>	Ca_Desig_Chr01	1375921	(C/G)
24544	CadSNP139	<i>Desi</i>	Ca_Desig_Chr01	1384553	(C/T)
24545	CadSNP140	<i>Desi</i>	Ca_Desig_Chr01	1389951	(C/T)
24546	CadSNP141	<i>Desi</i>	Ca_Desig_Chr01	1390763	(T/C)
24547	CadSNP142	<i>Desi</i>	Ca_Desig_Chr01	1445548	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24548	CadSNP143	<i>Desi</i>	Ca_Desig_Chr01	1451002	(A/G)
24549	CadSNP144	<i>Desi</i>	Ca_Desig_Chr01	1451028	(A/T)
24550	CadSNP145	<i>Desi</i>	Ca_Desig_Chr01	1463203	(T/C)
24551	CadSNP146	<i>Desi</i>	Ca_Desig_Chr01	1463234	(C/T)
24552	CadSNP147	<i>Desi</i>	Ca_Desig_Chr01	1463270	(A/C)
24553	CadSNP148	<i>Desi</i>	Ca_Desig_Chr01	1463335	(C/T)
24554	CadSNP149	<i>Desi</i>	Ca_Desig_Chr01	1479425	(T/C)
24555	CadSNP150	<i>Desi</i>	Ca_Desig_Chr01	1479437	(T/C)
24556	CadSNP151	<i>Desi</i>	Ca_Desig_Chr01	1480187	(T/C)
24557	CadSNP152	<i>Desi</i>	Ca_Desig_Chr01	1486086	(G/C)
24558	CadSNP153	<i>Desi</i>	Ca_Desig_Chr01	1486057	(A/C)
24559	CadSNP154	<i>Desi</i>	Ca_Desig_Chr01	1522221	(T/C)
24560	CadSNP155	<i>Desi</i>	Ca_Desig_Chr01	1526742	(G/T)
24561	CadSNP156	<i>Desi</i>	Ca_Desig_Chr01	1526741	(C/A)
24562	CadSNP157	<i>Desi</i>	Ca_Desig_Chr01	1553951	(A/G)
24563	CadSNP158	<i>Desi</i>	Ca_Desig_Chr01	1553958	(A/G)
24564	CadSNP159	<i>Desi</i>	Ca_Desig_Chr01	1598211	(C/T)
24565	CadSNP160	<i>Desi</i>	Ca_Desig_Chr01	1627093	(G/T)
24566	CadSNP161	<i>Desi</i>	Ca_Desig_Chr01	1632231	(G/A)
24567	CadSNP162	<i>Desi</i>	Ca_Desig_Chr01	1638965	(T/A)
24568	CadSNP163	<i>Desi</i>	Ca_Desig_Chr01	1639227	(C/G)
24569	CadSNP164	<i>Desi</i>	Ca_Desig_Chr01	1727845	(T/A)
24570	CadSNP165	<i>Desi</i>	Ca_Desig_Chr01	1787370	(A/T)
24571	CadSNP166	<i>Desi</i>	Ca_Desig_Chr01	1815665	(T/C)
24572	CadSNP167	<i>Desi</i>	Ca_Desig_Chr01	1826921	(A/G)
24573	CadSNP168	<i>Desi</i>	Ca_Desig_Chr01	1828118	(A/G)
24574	CadSNP169	<i>Desi</i>	Ca_Desig_Chr01	1828194	(C/G)
24575	CadSNP170	<i>Desi</i>	Ca_Desig_Chr01	1828281	(A/C)
24576	CadSNP171	<i>Desi</i>	Ca_Desig_Chr01	1838149	(C/G)
24577	CadSNP172	<i>Desi</i>	Ca_Desig_Chr01	1839807	(A/G)
24578	CadSNP173	<i>Desi</i>	Ca_Desig_Chr01	1842557	(C/T)
24579	CadSNP174	<i>Desi</i>	Ca_Desig_Chr01	1842545	(T/C)
24580	CadSNP175	<i>Desi</i>	Ca_Desig_Chr01	1851780	(A/T)
24581	CadSNP176	<i>Desi</i>	Ca_Desig_Chr01	1881482	(A/G)
24582	CadSNP177	<i>Desi</i>	Ca_Desig_Chr01	1881584	(A/G)
24583	CadSNP178	<i>Desi</i>	Ca_Desig_Chr01	1904344	(T/C)
24584	CadSNP179	<i>Desi</i>	Ca_Desig_Chr01	1904458	(G/A)
24585	CadSNP180	<i>Desi</i>	Ca_Desig_Chr01	1904473	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24586	CadSNP181	<i>Desi</i>	Ca_Desig_Chr01	1906298	(A/C)
24587	CadSNP182	<i>Desi</i>	Ca_Desig_Chr01	1906300	(T/G)
24588	CadSNP183	<i>Desi</i>	Ca_Desig_Chr01	1906308	(A/G)
24589	CadSNP184	<i>Desi</i>	Ca_Desig_Chr01	1906324	(A/C)
24590	CadSNP185	<i>Desi</i>	Ca_Desig_Chr01	1906333	(A/C)
24591	CadSNP186	<i>Desi</i>	Ca_Desig_Chr01	1906363	(G/A)
24592	CadSNP187	<i>Desi</i>	Ca_Desig_Chr01	1906417	(G/A)
24593	CadSNP188	<i>Desi</i>	Ca_Desig_Chr01	1912864	(T/A)
24594	CadSNP189	<i>Desi</i>	Ca_Desig_Chr01	1912850	(A/C)
24595	CadSNP190	<i>Desi</i>	Ca_Desig_Chr01	1912820	(C/T)
24596	CadSNP191	<i>Desi</i>	Ca_Desig_Chr01	1920014	(C/G)
24597	CadSNP192	<i>Desi</i>	Ca_Desig_Chr01	1920100	(A/G)
24598	CadSNP193	<i>Desi</i>	Ca_Desig_Chr01	1936976	(C/T)
24599	CadSNP194	<i>Desi</i>	Ca_Desig_Chr01	1937117	(A/G)
24600	CadSNP195	<i>Desi</i>	Ca_Desig_Chr01	1937351	(C/T)
24601	CadSNP196	<i>Desi</i>	Ca_Desig_Chr01	1960896	(A/C)
24602	CadSNP197	<i>Desi</i>	Ca_Desig_Chr01	1960988	(A/T)
24603	CadSNP198	<i>Desi</i>	Ca_Desig_Chr01	1971575	(C/T)
24604	CadSNP199	<i>Desi</i>	Ca_Desig_Chr01	1982239	(C/A)
24605	CadSNP200	<i>Desi</i>	Ca_Desig_Chr01	1982267	(T/G)
24606	CadSNP201	<i>Desi</i>	Ca_Desig_Chr01	2021813	(A/G)
24607	CadSNP202	<i>Desi</i>	Ca_Desig_Chr01	2021754	(T/A)
24608	CadSNP203	<i>Desi</i>	Ca_Desig_Chr01	2044121	(A/G)
24609	CadSNP204	<i>Desi</i>	Ca_Desig_Chr01	2067290	(C/A)
24610	CadSNP205	<i>Desi</i>	Ca_Desig_Chr01	2084464	(G/A)
24611	CadSNP206	<i>Desi</i>	Ca_Desig_Chr01	2084449	(A/G)
24612	CadSNP207	<i>Desi</i>	Ca_Desig_Chr01	2084396	(T/G)
24613	CadSNP208	<i>Desi</i>	Ca_Desig_Chr01	2084474	(C/A)
24614	CadSNP209	<i>Desi</i>	Ca_Desig_Chr01	2084506	(G/T)
24615	CadSNP210	<i>Desi</i>	Ca_Desig_Chr01	2084548	(C/G)
24616	CadSNP211	<i>Desi</i>	Ca_Desig_Chr01	2185003	(C/T)
24617	CadSNP212	<i>Desi</i>	Ca_Desig_Chr01	2213640	(A/G)
24618	CadSNP213	<i>Desi</i>	Ca_Desig_Chr01	2213694	(C/T)
24619	CadSNP214	<i>Desi</i>	Ca_Desig_Chr01	2213700	(C/T)
24620	CadSNP215	<i>Desi</i>	Ca_Desig_Chr01	2213762	(T/C)
24621	CadSNP216	<i>Desi</i>	Ca_Desig_Chr01	2213817	(A/G)
24622	CadSNP217	<i>Desi</i>	Ca_Desig_Chr01	2214078	(A/T)
24623	CadSNP218	<i>Desi</i>	Ca_Desig_Chr01	2214038	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24624	CadSNP219	<i>Desi</i>	Ca_Desig_Chr01	2214019	(A/G)
24625	CadSNP220	<i>Desi</i>	Ca_Desig_Chr01	2249232	(A/G)
24626	CadSNP221	<i>Desi</i>	Ca_Desig_Chr01	2263604	(C/A)
24627	CadSNP222	<i>Desi</i>	Ca_Desig_Chr01	2281554	(T/C)
24628	CadSNP223	<i>Desi</i>	Ca_Desig_Chr01	2281552	(C/T)
24629	CadSNP224	<i>Desi</i>	Ca_Desig_Chr01	2292933	(T/C)
24630	CadSNP225	<i>Desi</i>	Ca_Desig_Chr01	2322362	(G/A)
24631	CadSNP226	<i>Desi</i>	Ca_Desig_Chr01	2322455	(A/C)
24632	CadSNP227	<i>Desi</i>	Ca_Desig_Chr01	2327411	(T/G)
24633	CadSNP228	<i>Desi</i>	Ca_Desig_Chr01	2349214	(C/A)
24634	CadSNP229	<i>Desi</i>	Ca_Desig_Chr01	2349258	(G/A)
24635	CadSNP230	<i>Desi</i>	Ca_Desig_Chr01	2349306	(C/T)
24636	CadSNP231	<i>Desi</i>	Ca_Desig_Chr01	2350002	(T/C)
24637	CadSNP232	<i>Desi</i>	Ca_Desig_Chr01	2356768	(A/G)
24638	CadSNP233	<i>Desi</i>	Ca_Desig_Chr01	2356772	(A/T)
24639	CadSNP234	<i>Desi</i>	Ca_Desig_Chr01	2438649	(T/A)
24640	CadSNP235	<i>Desi</i>	Ca_Desig_Chr01	2438719	(T/A)
24641	CadSNP236	<i>Desi</i>	Ca_Desig_Chr01	2440248	(C/T)
24642	CadSNP237	<i>Desi</i>	Ca_Desig_Chr01	2448997	(C/T)
24643	CadSNP238	<i>Desi</i>	Ca_Desig_Chr01	2456844	(T/G)
24644	CadSNP239	<i>Desi</i>	Ca_Desig_Chr01	2457014	(A/C)
24645	CadSNP240	<i>Desi</i>	Ca_Desig_Chr01	2471770	(G/T)
24646	CadSNP241	<i>Desi</i>	Ca_Desig_Chr01	2471753	(G/A)
24647	CadSNP242	<i>Desi</i>	Ca_Desig_Chr01	2471803	(A/G)
24648	CadSNP243	<i>Desi</i>	Ca_Desig_Chr01	2471865	(T/C)
24649	CadSNP244	<i>Desi</i>	Ca_Desig_Chr01	2471996	(G/A)
24650	CadSNP245	<i>Desi</i>	Ca_Desig_Chr01	2471946	(C/A)
24651	CadSNP246	<i>Desi</i>	Ca_Desig_Chr01	2471938	(G/T)
24652	CadSNP247	<i>Desi</i>	Ca_Desig_Chr01	2471924	(G/A)
24653	CadSNP248	<i>Desi</i>	Ca_Desig_Chr01	2471923	(C/A)
24654	CadSNP249	<i>Desi</i>	Ca_Desig_Chr01	2491534	(T/C)
24655	CadSNP250	<i>Desi</i>	Ca_Desig_Chr01	2491494	(G/A)
24656	CadSNP251	<i>Desi</i>	Ca_Desig_Chr01	2491479	(T/C)
24657	CadSNP252	<i>Desi</i>	Ca_Desig_Chr01	2536793	(A/G)
24658	CadSNP253	<i>Desi</i>	Ca_Desig_Chr01	2541722	(T/C)
24659	CadSNP254	<i>Desi</i>	Ca_Desig_Chr01	2553114	(C/T)
24660	CadSNP255	<i>Desi</i>	Ca_Desig_Chr01	2553120	(A/C)
24661	CadSNP256	<i>Desi</i>	Ca_Desig_Chr01	2553187	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24662	CadSNP257	<i>Desi</i>	Ca_Desig_Chr01	2553150	(C/T)
24663	CadSNP258	<i>Desi</i>	Ca_Desig_Chr01	2554326	(T/G)
24664	CadSNP259	<i>Desi</i>	Ca_Desig_Chr01	2555171	(C/G)
24665	CadSNP260	<i>Desi</i>	Ca_Desig_Chr01	2573180	(A/C)
24666	CadSNP261	<i>Desi</i>	Ca_Desig_Chr01	2593870	(C/T)
24667	CadSNP262	<i>Desi</i>	Ca_Desig_Chr01	2637647	(C/G)
24668	CadSNP263	<i>Desi</i>	Ca_Desig_Chr01	2637591	(T/A)
24669	CadSNP264	<i>Desi</i>	Ca_Desig_Chr01	2637890	(G/C)
24670	CadSNP265	<i>Desi</i>	Ca_Desig_Chr01	2637849	(C/T)
24671	CadSNP266	<i>Desi</i>	Ca_Desig_Chr01	2775191	(G/A)
24672	CadSNP267	<i>Desi</i>	Ca_Desig_Chr01	2824614	(G/A)
24673	CadSNP268	<i>Desi</i>	Ca_Desig_Chr01	2856666	(T/C)
24674	CadSNP269	<i>Desi</i>	Ca_Desig_Chr01	2887261	(C/G)
24675	CadSNP270	<i>Desi</i>	Ca_Desig_Chr01	3010959	(T/C)
24676	CadSNP271	<i>Desi</i>	Ca_Desig_Chr01	3011053	(T/G)
24677	CadSNP272	<i>Desi</i>	Ca_Desig_Chr01	3073657	(C/T)
24678	CadSNP273	<i>Desi</i>	Ca_Desig_Chr01	3083080	(G/T)
24679	CadSNP274	<i>Desi</i>	Ca_Desig_Chr01	3088883	(G/T)
24680	CadSNP275	<i>Desi</i>	Ca_Desig_Chr01	3151378	(A/C)
24681	CadSNP276	<i>Desi</i>	Ca_Desig_Chr01	3151834	(G/C)
24682	CadSNP277	<i>Desi</i>	Ca_Desig_Chr01	3192625	(C/T)
24683	CadSNP278	<i>Desi</i>	Ca_Desig_Chr01	3192622	(C/G)
24684	CadSNP279	<i>Desi</i>	Ca_Desig_Chr01	3192562	(C/G)
24685	CadSNP280	<i>Desi</i>	Ca_Desig_Chr01	3328510	(C/A)
24686	CadSNP281	<i>Desi</i>	Ca_Desig_Chr01	3328604	(G/A)
24687	CadSNP282	<i>Desi</i>	Ca_Desig_Chr01	3366300	(T/C)
24688	CadSNP283	<i>Desi</i>	Ca_Desig_Chr01	3368165	(A/C)
24689	CadSNP284	<i>Desi</i>	Ca_Desig_Chr01	3370851	(A/T)
24690	CadSNP285	<i>Desi</i>	Ca_Desig_Chr01	3370914	(G/A)
24691	CadSNP286	<i>Desi</i>	Ca_Desig_Chr01	3390238	(G/T)
24692	CadSNP287	<i>Desi</i>	Ca_Desig_Chr01	3425891	(C/T)
24693	CadSNP288	<i>Desi</i>	Ca_Desig_Chr01	3427492	(G/A)
24694	CadSNP289	<i>Desi</i>	Ca_Desig_Chr01	3435226	(G/A)
24695	CadSNP290	<i>Desi</i>	Ca_Desig_Chr01	3435227	(C/T)
24696	CadSNP291	<i>Desi</i>	Ca_Desig_Chr01	3439224	(T/C)
24697	CadSNP292	<i>Desi</i>	Ca_Desig_Chr01	3440875	(C/A)
24698	CadSNP293	<i>Desi</i>	Ca_Desig_Chr01	3444610	(A/G)
24699	CadSNP294	<i>Desi</i>	Ca_Desig_Chr01	3444681	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24700	CadSNP295	<i>Desi</i>	Ca_Desig_Chr01	3444708	(T/C)
24701	CadSNP296	<i>Desi</i>	Ca_Desig_Chr01	3444696	(C/A)
24702	CadSNP297	<i>Desi</i>	Ca_Desig_Chr01	3452397	(C/T)
24703	CadSNP298	<i>Desi</i>	Ca_Desig_Chr01	3545305	(T/G)
24704	CadSNP299	<i>Desi</i>	Ca_Desig_Chr01	3545332	(T/G)
24705	CadSNP300	<i>Desi</i>	Ca_Desig_Chr01	3585574	(G/T)
24706	CadSNP301	<i>Desi</i>	Ca_Desig_Chr01	3606976	(C/T)
24707	CadSNP302	<i>Desi</i>	Ca_Desig_Chr01	3633117	(T/C)
24708	CadSNP303	<i>Desi</i>	Ca_Desig_Chr01	3674413	(A/C)
24709	CadSNP304	<i>Desi</i>	Ca_Desig_Chr01	3674854	(A/C)
24710	CadSNP305	<i>Desi</i>	Ca_Desig_Chr01	3675786	(T/C)
24711	CadSNP306	<i>Desi</i>	Ca_Desig_Chr01	3677607	(G/A)
24712	CadSNP307	<i>Desi</i>	Ca_Desig_Chr01	3743152	(G/A)
24713	CadSNP308	<i>Desi</i>	Ca_Desig_Chr01	3771750	(C/T)
24714	CadSNP309	<i>Desi</i>	Ca_Desig_Chr01	3771899	(T/C)
24715	CadSNP310	<i>Desi</i>	Ca_Desig_Chr01	3783317	(G/A)
24716	CadSNP311	<i>Desi</i>	Ca_Desig_Chr01	3786526	(T/C)
24717	CadSNP312	<i>Desi</i>	Ca_Desig_Chr01	3786523	(C/T)
24718	CadSNP313	<i>Desi</i>	Ca_Desig_Chr01	3804312	(G/T)
24719	CadSNP314	<i>Desi</i>	Ca_Desig_Chr01	3877417	(G/A)
24720	CadSNP315	<i>Desi</i>	Ca_Desig_Chr01	3877438	(A/T)
24721	CadSNP316	<i>Desi</i>	Ca_Desig_Chr01	3911580	(A/G)
24722	CadSNP317	<i>Desi</i>	Ca_Desig_Chr01	3953451	(C/T)
24723	CadSNP318	<i>Desi</i>	Ca_Desig_Chr01	3963327	(T/C)
24724	CadSNP319	<i>Desi</i>	Ca_Desig_Chr01	3993197	(C/T)
24725	CadSNP320	<i>Desi</i>	Ca_Desig_Chr01	3993242	(T/G)
24726	CadSNP321	<i>Desi</i>	Ca_Desig_Chr01	3994131	(G/A)
24727	CadSNP322	<i>Desi</i>	Ca_Desig_Chr01	3995579	(C/T)
24728	CadSNP323	<i>Desi</i>	Ca_Desig_Chr01	3996356	(C/T)
24729	CadSNP324	<i>Desi</i>	Ca_Desig_Chr01	3996916	(C/T)
24730	CadSNP325	<i>Desi</i>	Ca_Desig_Chr01	5004852	(G/A)
24731	CadSNP326	<i>Desi</i>	Ca_Desig_Chr01	5004855	(A/C)
24732	CadSNP327	<i>Desi</i>	Ca_Desig_Chr01	5004857	(G/C)
24733	CadSNP328	<i>Desi</i>	Ca_Desig_Chr01	5004917	(C/A)
24734	CadSNP329	<i>Desi</i>	Ca_Desig_Chr01	5022262	(G/T)
24735	CadSNP330	<i>Desi</i>	Ca_Desig_Chr01	5022319	(G/A)
24736	CadSNP331	<i>Desi</i>	Ca_Desig_Chr01	5022390	(C/T)
24737	CadSNP332	<i>Desi</i>	Ca_Desig_Chr01	5039591	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24738	CadSNP333	<i>Desi</i>	Ca_Desig_Chr01	5039614	(C/A)
24739	CadSNP334	<i>Desi</i>	Ca_Desig_Chr01	5040610	(A/G)
24740	CadSNP335	<i>Desi</i>	Ca_Desig_Chr01	5040663	(A/G)
24741	CadSNP336	<i>Desi</i>	Ca_Desig_Chr01	5056212	(T/C)
24742	CadSNP337	<i>Desi</i>	Ca_Desig_Chr01	5056260	(A/C)
24743	CadSNP338	<i>Desi</i>	Ca_Desig_Chr01	5056328	(T/C)
24744	CadSNP339	<i>Desi</i>	Ca_Desig_Chr01	5059326	(A/G)
24745	CadSNP340	<i>Desi</i>	Ca_Desig_Chr01	5061066	(T/A)
24746	CadSNP341	<i>Desi</i>	Ca_Desig_Chr01	5061125	(G/C)
24747	CadSNP342	<i>Desi</i>	Ca_Desig_Chr01	5069716	(A/G)
24748	CadSNP343	<i>Desi</i>	Ca_Desig_Chr01	5069743	(A/G)
24749	CadSNP344	<i>Desi</i>	Ca_Desig_Chr01	5094757	(G/C)
24750	CadSNP345	<i>Desi</i>	Ca_Desig_Chr01	5094752	(G/A)
24751	CadSNP346	<i>Desi</i>	Ca_Desig_Chr01	5161857	(C/T)
24752	CadSNP347	<i>Desi</i>	Ca_Desig_Chr01	5197254	(A/G)
24753	CadSNP348	<i>Desi</i>	Ca_Desig_Chr01	5197445	(C/A)
24754	CadSNP349	<i>Desi</i>	Ca_Desig_Chr01	5202104	(T/C)
24755	CadSNP350	<i>Desi</i>	Ca_Desig_Chr01	5202057	(A/T)
24756	CadSNP351	<i>Desi</i>	Ca_Desig_Chr01	5218664	(T/C)
24757	CadSNP352	<i>Desi</i>	Ca_Desig_Chr01	5227055	(C/A)
24758	CadSNP353	<i>Desi</i>	Ca_Desig_Chr01	5240171	(G/A)
24759	CadSNP354	<i>Desi</i>	Ca_Desig_Chr01	5292807	(A/G)
24760	CadSNP355	<i>Desi</i>	Ca_Desig_Chr01	5292810	(A/T)
24761	CadSNP356	<i>Desi</i>	Ca_Desig_Chr01	5348734	(A/G)
24762	CadSNP357	<i>Desi</i>	Ca_Desig_Chr01	5348941	(T/C)
24763	CadSNP358	<i>Desi</i>	Ca_Desig_Chr01	5428980	(C/A)
24764	CadSNP359	<i>Desi</i>	Ca_Desig_Chr01	5446596	(A/C)
24765	CadSNP360	<i>Desi</i>	Ca_Desig_Chr01	5446549	(A/C)
24766	CadSNP361	<i>Desi</i>	Ca_Desig_Chr01	5498868	(A/G)
24767	CadSNP362	<i>Desi</i>	Ca_Desig_Chr01	5498890	(A/G)
24768	CadSNP363	<i>Desi</i>	Ca_Desig_Chr01	5506578	(G/C)
24769	CadSNP364	<i>Desi</i>	Ca_Desig_Chr01	5511110	(A/T)
24770	CadSNP365	<i>Desi</i>	Ca_Desig_Chr01	5511140	(A/T)
24771	CadSNP366	<i>Desi</i>	Ca_Desig_Chr01	5511162	(T/G)
24772	CadSNP367	<i>Desi</i>	Ca_Desig_Chr01	5511149	(T/C)
24773	CadSNP368	<i>Desi</i>	Ca_Desig_Chr01	5537208	(C/T)
24774	CadSNP369	<i>Desi</i>	Ca_Desig_Chr01	5537211	(G/A)
24775	CadSNP370	<i>Desi</i>	Ca_Desig_Chr01	5537394	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24776	CadSNP371	<i>Desi</i>	Ca_Desig_Chr01	5537397	(T/A)
24777	CadSNP372	<i>Desi</i>	Ca_Desig_Chr01	5537508	(C/T)
24778	CadSNP373	<i>Desi</i>	Ca_Desig_Chr01	5555967	(C/T)
24779	CadSNP374	<i>Desi</i>	Ca_Desig_Chr01	5556081	(G/A)
24780	CadSNP375	<i>Desi</i>	Ca_Desig_Chr01	5568121	(A/C)
24781	CadSNP376	<i>Desi</i>	Ca_Desig_Chr01	5580120	(C/T)
24782	CadSNP377	<i>Desi</i>	Ca_Desig_Chr01	5580193	(C/T)
24783	CadSNP378	<i>Desi</i>	Ca_Desig_Chr01	5605911	(G/C)
24784	CadSNP379	<i>Desi</i>	Ca_Desig_Chr01	5605923	(G/T)
24785	CadSNP380	<i>Desi</i>	Ca_Desig_Chr01	5613829	(C/A)
24786	CadSNP381	<i>Desi</i>	Ca_Desig_Chr01	5644131	(G/C)
24787	CadSNP382	<i>Desi</i>	Ca_Desig_Chr01	5645053	(C/T)
24788	CadSNP383	<i>Desi</i>	Ca_Desig_Chr01	5645050	(T/C)
24789	CadSNP384	<i>Desi</i>	Ca_Desig_Chr01	5645015	(T/C)
24790	CadSNP385	<i>Desi</i>	Ca_Desig_Chr01	5667771	(A/G)
24791	CadSNP386	<i>Desi</i>	Ca_Desig_Chr01	5676601	(T/C)
24792	CadSNP387	<i>Desi</i>	Ca_Desig_Chr01	5704265	(C/A)
24793	CadSNP388	<i>Desi</i>	Ca_Desig_Chr01	5753424	(G/A)
24794	CadSNP389	<i>Desi</i>	Ca_Desig_Chr01	5753449	(T/G)
24795	CadSNP390	<i>Desi</i>	Ca_Desig_Chr01	5753484	(T/G)
24796	CadSNP391	<i>Desi</i>	Ca_Desig_Chr01	5776338	(C/A)
24797	CadSNP392	<i>Desi</i>	Ca_Desig_Chr01	5776339	(A/G)
24798	CadSNP393	<i>Desi</i>	Ca_Desig_Chr01	5776369	(T/C)
24799	CadSNP394	<i>Desi</i>	Ca_Desig_Chr01	5776540	(T/C)
24800	CadSNP395	<i>Desi</i>	Ca_Desig_Chr01	5778096	(C/G)
24801	CadSNP396	<i>Desi</i>	Ca_Desig_Chr01	5807567	(C/G)
24802	CadSNP397	<i>Desi</i>	Ca_Desig_Chr01	5807642	(G/A)
24803	CadSNP398	<i>Desi</i>	Ca_Desig_Chr01	5823260	(C/T)
24804	CadSNP399	<i>Desi</i>	Ca_Desig_Chr01	5853627	(T/A)
24805	CadSNP400	<i>Desi</i>	Ca_Desig_Chr01	5853706	(G/A)
24806	CadSNP401	<i>Desi</i>	Ca_Desig_Chr01	5854373	(C/T)
24807	CadSNP402	<i>Desi</i>	Ca_Desig_Chr01	6037738	(T/G)
24808	CadSNP403	<i>Desi</i>	Ca_Desig_Chr01	6072236	(A/G)
24809	CadSNP404	<i>Desi</i>	Ca_Desig_Chr01	6072205	(A/G)
24810	CadSNP405	<i>Desi</i>	Ca_Desig_Chr01	6080835	(G/C)
24811	CadSNP406	<i>Desi</i>	Ca_Desig_Chr01	6080870	(T/C)
24812	CadSNP407	<i>Desi</i>	Ca_Desig_Chr01	6084027	(C/T)
24813	CadSNP408	<i>Desi</i>	Ca_Desig_Chr01	6083987	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24814	CadSNP409	<i>Desi</i>	Ca_Desig_Chr01	6107667	(T/C)
24815	CadSNP410	<i>Desi</i>	Ca_Desig_Chr01	6107673	(A/C)
24816	CadSNP411	<i>Desi</i>	Ca_Desig_Chr01	6108004	(C/A)
24817	CadSNP412	<i>Desi</i>	Ca_Desig_Chr01	6108008	(T/G)
24818	CadSNP413	<i>Desi</i>	Ca_Desig_Chr01	6108016	(C/T)
24819	CadSNP414	<i>Desi</i>	Ca_Desig_Chr01	6108035	(T/A)
24820	CadSNP415	<i>Desi</i>	Ca_Desig_Chr01	6108091	(T/G)
24821	CadSNP416	<i>Desi</i>	Ca_Desig_Chr01	6108094	(C/T)
24822	CadSNP417	<i>Desi</i>	Ca_Desig_Chr01	6108141	(T/A)
24823	CadSNP418	<i>Desi</i>	Ca_Desig_Chr01	6108140	(A/G)
24824	CadSNP419	<i>Desi</i>	Ca_Desig_Chr01	6111677	(A/G)
24825	CadSNP420	<i>Desi</i>	Ca_Desig_Chr01	6111732	(T/G)
24826	CadSNP421	<i>Desi</i>	Ca_Desig_Chr01	6112469	(C/T)
24827	CadSNP422	<i>Desi</i>	Ca_Desig_Chr01	6112462	(G/A)
24828	CadSNP423	<i>Desi</i>	Ca_Desig_Chr01	6112461	(A/G)
24829	CadSNP424	<i>Desi</i>	Ca_Desig_Chr01	6112451	(A/G)
24830	CadSNP425	<i>Desi</i>	Ca_Desig_Chr01	6112443	(A/G)
24831	CadSNP426	<i>Desi</i>	Ca_Desig_Chr01	6112435	(C/A)
24832	CadSNP427	<i>Desi</i>	Ca_Desig_Chr01	6112434	(T/A)
24833	CadSNP428	<i>Desi</i>	Ca_Desig_Chr01	6112419	(T/G)
24834	CadSNP429	<i>Desi</i>	Ca_Desig_Chr01	6113487	(T/C)
24835	CadSNP430	<i>Desi</i>	Ca_Desig_Chr01	6113445	(T/C)
24836	CadSNP431	<i>Desi</i>	Ca_Desig_Chr01	6135902	(A/G)
24837	CadSNP432	<i>Desi</i>	Ca_Desig_Chr01	6141133	(A/C)
24838	CadSNP433	<i>Desi</i>	Ca_Desig_Chr01	6141126	(A/C)
24839	CadSNP434	<i>Desi</i>	Ca_Desig_Chr01	6149357	(C/A)
24840	CadSNP435	<i>Desi</i>	Ca_Desig_Chr01	6262953	(A/C)
24841	CadSNP436	<i>Desi</i>	Ca_Desig_Chr01	6262893	(T/A)
24842	CadSNP437	<i>Desi</i>	Ca_Desig_Chr01	6303938	(A/G)
24843	CadSNP438	<i>Desi</i>	Ca_Desig_Chr01	6303965	(T/G)
24844	CadSNP439	<i>Desi</i>	Ca_Desig_Chr01	6304541	(A/G)
24845	CadSNP440	<i>Desi</i>	Ca_Desig_Chr01	6313746	(T/A)
24846	CadSNP441	<i>Desi</i>	Ca_Desig_Chr01	6313759	(T/A)
24847	CadSNP442	<i>Desi</i>	Ca_Desig_Chr01	6318871	(G/T)
24848	CadSNP443	<i>Desi</i>	Ca_Desig_Chr01	6319012	(A/G)
24849	CadSNP444	<i>Desi</i>	Ca_Desig_Chr01	6319042	(A/C)
24850	CadSNP445	<i>Desi</i>	Ca_Desig_Chr01	6322174	(A/G)
24851	CadSNP446	<i>Desi</i>	Ca_Desig_Chr01	6322202	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24852	CadSNP447	<i>Desi</i>	Ca_Desig_Chr01	6333247	(A/G)
24853	CadSNP448	<i>Desi</i>	Ca_Desig_Chr01	6333238	(C/T)
24854	CadSNP449	<i>Desi</i>	Ca_Desig_Chr01	6333418	(G/A)
24855	CadSNP450	<i>Desi</i>	Ca_Desig_Chr01	6341237	(C/T)
24856	CadSNP451	<i>Desi</i>	Ca_Desig_Chr01	6341213	(A/C)
24857	CadSNP452	<i>Desi</i>	Ca_Desig_Chr01	6351975	(T/C)
24858	CadSNP453	<i>Desi</i>	Ca_Desig_Chr01	6379951	(G/A)
24859	CadSNP454	<i>Desi</i>	Ca_Desig_Chr01	6399918	(C/T)
24860	CadSNP455	<i>Desi</i>	Ca_Desig_Chr01	6399989	(C/T)
24861	CadSNP456	<i>Desi</i>	Ca_Desig_Chr01	6400007	(C/T)
24862	CadSNP457	<i>Desi</i>	Ca_Desig_Chr01	6747779	(C/T)
24863	CadSNP458	<i>Desi</i>	Ca_Desig_Chr01	6750146	(A/G)
24864	CadSNP459	<i>Desi</i>	Ca_Desig_Chr01	6836227	(A/T)
24865	CadSNP460	<i>Desi</i>	Ca_Desig_Chr01	6858906	(T/A)
24866	CadSNP461	<i>Desi</i>	Ca_Desig_Chr01	6858922	(C/T)
24867	CadSNP462	<i>Desi</i>	Ca_Desig_Chr01	6858925	(C/T)
24868	CadSNP463	<i>Desi</i>	Ca_Desig_Chr01	6858952	(A/C)
24869	CadSNP464	<i>Desi</i>	Ca_Desig_Chr01	6858964	(A/C)
24870	CadSNP465	<i>Desi</i>	Ca_Desig_Chr01	6859408	(C/A)
24871	CadSNP466	<i>Desi</i>	Ca_Desig_Chr01	6859661	(C/A)
24872	CadSNP467	<i>Desi</i>	Ca_Desig_Chr01	6859634	(T/C)
24873	CadSNP468	<i>Desi</i>	Ca_Desig_Chr01	6859628	(G/A)
24874	CadSNP469	<i>Desi</i>	Ca_Desig_Chr01	6859622	(A/G)
24875	CadSNP470	<i>Desi</i>	Ca_Desig_Chr01	6861332	(T/A)
24876	CadSNP471	<i>Desi</i>	Ca_Desig_Chr01	6862834	(C/A)
24877	CadSNP472	<i>Desi</i>	Ca_Desig_Chr01	6862836	(T/G)
24878	CadSNP473	<i>Desi</i>	Ca_Desig_Chr01	6862866	(A/G)
24879	CadSNP474	<i>Desi</i>	Ca_Desig_Chr01	6862869	(C/T)
24880	CadSNP475	<i>Desi</i>	Ca_Desig_Chr01	6862872	(A/T)
24881	CadSNP476	<i>Desi</i>	Ca_Desig_Chr01	6862873	(A/C)
24882	CadSNP477	<i>Desi</i>	Ca_Desig_Chr01	6862881	(A/C)
24883	CadSNP478	<i>Desi</i>	Ca_Desig_Chr01	6862888	(T/A)
24884	CadSNP479	<i>Desi</i>	Ca_Desig_Chr01	6862889	(A/C)
24885	CadSNP480	<i>Desi</i>	Ca_Desig_Chr01	6862893	(T/C)
24886	CadSNP481	<i>Desi</i>	Ca_Desig_Chr01	7013189	(A/G)
24887	CadSNP482	<i>Desi</i>	Ca_Desig_Chr01	7142598	(C/T)
24888	CadSNP483	<i>Desi</i>	Ca_Desig_Chr01	7168613	(G/A)
24889	CadSNP484	<i>Desi</i>	Ca_Desig_Chr01	7274246	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24890	CadSNP485	<i>Desi</i>	Ca_Desig_Chr01	7279148	(G/A)
24891	CadSNP486	<i>Desi</i>	Ca_Desig_Chr01	7279147	(G/A)
24892	CadSNP487	<i>Desi</i>	Ca_Desig_Chr01	7279116	(G/A)
24893	CadSNP488	<i>Desi</i>	Ca_Desig_Chr01	7279115	(T/C)
24894	CadSNP489	<i>Desi</i>	Ca_Desig_Chr01	7279106	(G/T)
24895	CadSNP490	<i>Desi</i>	Ca_Desig_Chr01	7279097	(G/A)
24896	CadSNP491	<i>Desi</i>	Ca_Desig_Chr01	7289926	(G/A)
24897	CadSNP492	<i>Desi</i>	Ca_Desig_Chr01	7289965	(G/A)
24898	CadSNP493	<i>Desi</i>	Ca_Desig_Chr01	7331882	(T/C)
24899	CadSNP494	<i>Desi</i>	Ca_Desig_Chr01	7331912	(C/G)
24900	CadSNP495	<i>Desi</i>	Ca_Desig_Chr01	7331936	(C/T)
24901	CadSNP496	<i>Desi</i>	Ca_Desig_Chr01	7331994	(G/A)
24902	CadSNP497	<i>Desi</i>	Ca_Desig_Chr01	7331987	(C/T)
24903	CadSNP498	<i>Desi</i>	Ca_Desig_Chr01	7383196	(A/C)
24904	CadSNP499	<i>Desi</i>	Ca_Desig_Chr01	7383206	(A/G)
24905	CadSNP500	<i>Desi</i>	Ca_Desig_Chr01	7383207	(G/A)
24906	CadSNP501	<i>Desi</i>	Ca_Desig_Chr01	7383208	(T/A)
24907	CadSNP502	<i>Desi</i>	Ca_Desig_Chr01	7383224	(A/G)
24908	CadSNP503	<i>Desi</i>	Ca_Desig_Chr01	7383225	(G/A)
24909	CadSNP504	<i>Desi</i>	Ca_Desig_Chr01	7383226	(C/A)
24910	CadSNP505	<i>Desi</i>	Ca_Desig_Chr01	7383229	(G/A)
24911	CadSNP506	<i>Desi</i>	Ca_Desig_Chr01	7383232	(G/A)
24912	CadSNP507	<i>Desi</i>	Ca_Desig_Chr01	7383255	(A/G)
24913	CadSNP508	<i>Desi</i>	Ca_Desig_Chr01	7383256	(G/A)
24914	CadSNP509	<i>Desi</i>	Ca_Desig_Chr01	7383259	(G/A)
24915	CadSNP510	<i>Desi</i>	Ca_Desig_Chr01	7383265	(T/G)
24916	CadSNP511	<i>Desi</i>	Ca_Desig_Chr01	7383271	(A/G)
24917	CadSNP512	<i>Desi</i>	Ca_Desig_Chr01	7383274	(C/T)
24918	CadSNP513	<i>Desi</i>	Ca_Desig_Chr01	7383281	(G/A)
24919	CadSNP514	<i>Desi</i>	Ca_Desig_Chr01	7383437	(T/C)
24920	CadSNP515	<i>Desi</i>	Ca_Desig_Chr01	7383436	(G/A)
24921	CadSNP516	<i>Desi</i>	Ca_Desig_Chr01	7383433	(T/A)
24922	CadSNP517	<i>Desi</i>	Ca_Desig_Chr01	7383406	(C/T)
24923	CadSNP518	<i>Desi</i>	Ca_Desig_Chr01	7383808	(A/T)
24924	CadSNP519	<i>Desi</i>	Ca_Desig_Chr01	7436170	(T/A)
24925	CadSNP520	<i>Desi</i>	Ca_Desig_Chr01	7436190	(T/G)
24926	CadSNP521	<i>Desi</i>	Ca_Desig_Chr01	7436196	(G/A)
24927	CadSNP522	<i>Desi</i>	Ca_Desig_Chr01	7436205	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24928	CadSNP523	<i>Desi</i>	Ca_Desig_Chr01	7448000	(C/G)
24929	CadSNP524	<i>Desi</i>	Ca_Desig_Chr01	7489519	(T/A)
24930	CadSNP525	<i>Desi</i>	Ca_Desig_Chr01	7489492	(T/A)
24931	CadSNP526	<i>Desi</i>	Ca_Desig_Chr01	7489471	(T/A)
24932	CadSNP527	<i>Desi</i>	Ca_Desig_Chr01	7489452	(T/G)
24933	CadSNP528	<i>Desi</i>	Ca_Desig_Chr01	7489451	(A/T)
24934	CadSNP529	<i>Desi</i>	Ca_Desig_Chr01	7489447	(C/A)
24935	CadSNP530	<i>Desi</i>	Ca_Desig_Chr01	7606885	(C/G)
24936	CadSNP531	<i>Desi</i>	Ca_Desig_Chr01	7606933	(C/T)
24937	CadSNP532	<i>Desi</i>	Ca_Desig_Chr01	7632307	(A/G)
24938	CadSNP533	<i>Desi</i>	Ca_Desig_Chr01	7632356	(C/T)
24939	CadSNP534	<i>Desi</i>	Ca_Desig_Chr01	7668717	(G/A)
24940	CadSNP535	<i>Desi</i>	Ca_Desig_Chr01	7669506	(G/C)
24941	CadSNP536	<i>Desi</i>	Ca_Desig_Chr01	7669603	(G/C)
24942	CadSNP537	<i>Desi</i>	Ca_Desig_Chr01	7671799	(A/G)
24943	CadSNP538	<i>Desi</i>	Ca_Desig_Chr01	7671815	(G/A)
24944	CadSNP539	<i>Desi</i>	Ca_Desig_Chr01	7671819	(T/C)
24945	CadSNP540	<i>Desi</i>	Ca_Desig_Chr01	7671842	(A/T)
24946	CadSNP541	<i>Desi</i>	Ca_Desig_Chr01	7671878	(T/G)
24947	CadSNP542	<i>Desi</i>	Ca_Desig_Chr01	7671931	(C/A)
24948	CadSNP543	<i>Desi</i>	Ca_Desig_Chr01	7671947	(C/T)
24949	CadSNP544	<i>Desi</i>	Ca_Desig_Chr01	7671963	(C/T)
24950	CadSNP545	<i>Desi</i>	Ca_Desig_Chr01	7676039	(G/C)
24951	CadSNP546	<i>Desi</i>	Ca_Desig_Chr01	7680425	(A/G)
24952	CadSNP547	<i>Desi</i>	Ca_Desig_Chr01	7680457	(C/T)
24953	CadSNP548	<i>Desi</i>	Ca_Desig_Chr01	7680543	(C/T)
24954	CadSNP549	<i>Desi</i>	Ca_Desig_Chr01	7712801	(A/C)
24955	CadSNP550	<i>Desi</i>	Ca_Desig_Chr01	7712821	(C/T)
24956	CadSNP551	<i>Desi</i>	Ca_Desig_Chr01	7956977	(T/G)
24957	CadSNP552	<i>Desi</i>	Ca_Desig_Chr01	7957053	(G/A)
24958	CadSNP553	<i>Desi</i>	Ca_Desig_Chr01	8163297	(C/A)
24959	CadSNP554	<i>Desi</i>	Ca_Desig_Chr01	8173005	(T/C)
24960	CadSNP555	<i>Desi</i>	Ca_Desig_Chr01	8219717	(A/G)
24961	CadSNP556	<i>Desi</i>	Ca_Desig_Chr01	8220943	(G/A)
24962	CadSNP557	<i>Desi</i>	Ca_Desig_Chr01	8220952	(C/T)
24963	CadSNP558	<i>Desi</i>	Ca_Desig_Chr01	8221152	(G/A)
24964	CadSNP559	<i>Desi</i>	Ca_Desig_Chr01	8279866	(T/G)
24965	CadSNP560	<i>Desi</i>	Ca_Desig_Chr01	8280837	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24966	CadSNP561	<i>Desi</i>	Ca_Desig_Chr01	8280838	(C/G)
24967	CadSNP562	<i>Desi</i>	Ca_Desig_Chr01	8297933	(A/G)
24968	CadSNP563	<i>Desi</i>	Ca_Desig_Chr01	8365636	(A/C)
24969	CadSNP564	<i>Desi</i>	Ca_Desig_Chr01	8390528	(C/T)
24970	CadSNP565	<i>Desi</i>	Ca_Desig_Chr01	8397872	(C/T)
24971	CadSNP566	<i>Desi</i>	Ca_Desig_Chr01	8398204	(G/T)
24972	CadSNP567	<i>Desi</i>	Ca_Desig_Chr01	8416775	(G/A)
24973	CadSNP568	<i>Desi</i>	Ca_Desig_Chr01	8422096	(G/T)
24974	CadSNP569	<i>Desi</i>	Ca_Desig_Chr01	8422113	(G/T)
24975	CadSNP570	<i>Desi</i>	Ca_Desig_Chr01	8426569	(G/A)
24976	CadSNP571	<i>Desi</i>	Ca_Desig_Chr01	8492439	(T/A)
24977	CadSNP572	<i>Desi</i>	Ca_Desig_Chr01	8492480	(A/T)
24978	CadSNP573	<i>Desi</i>	Ca_Desig_Chr01	8492496	(A/T)
24979	CadSNP574	<i>Desi</i>	Ca_Desig_Chr01	8492493	(A/C)
24980	CadSNP575	<i>Desi</i>	Ca_Desig_Chr01	8492492	(A/G)
24981	CadSNP576	<i>Desi</i>	Ca_Desig_Chr01	8506952	(G/A)
24982	CadSNP577	<i>Desi</i>	Ca_Desig_Chr01	8506982	(A/G)
24983	CadSNP578	<i>Desi</i>	Ca_Desig_Chr01	8561851	(G/A)
24984	CadSNP579	<i>Desi</i>	Ca_Desig_Chr01	8689520	(A/C)
24985	CadSNP580	<i>Desi</i>	Ca_Desig_Chr01	8689473	(C/T)
24986	CadSNP581	<i>Desi</i>	Ca_Desig_Chr01	8725597	(G/A)
24987	CadSNP582	<i>Desi</i>	Ca_Desig_Chr01	8725599	(C/A)
24988	CadSNP583	<i>Desi</i>	Ca_Desig_Chr01	8725654	(A/T)
24989	CadSNP584	<i>Desi</i>	Ca_Desig_Chr01	8772201	(A/G)
24990	CadSNP585	<i>Desi</i>	Ca_Desig_Chr01	8786857	(C/A)
24991	CadSNP586	<i>Desi</i>	Ca_Desig_Chr01	8871945	(C/T)
24992	CadSNP587	<i>Desi</i>	Ca_Desig_Chr01	8902125	(C/A)
24993	CadSNP588	<i>Desi</i>	Ca_Desig_Chr01	8952943	(A/G)
24994	CadSNP589	<i>Desi</i>	Ca_Desig_Chr01	8988064	(G/A)
24995	CadSNP590	<i>Desi</i>	Ca_Desig_Chr01	8988049	(G/A)
24996	CadSNP591	<i>Desi</i>	Ca_Desig_Chr01	9014610	(C/A)
24997	CadSNP592	<i>Desi</i>	Ca_Desig_Chr01	9022986	(G/A)
24998	CadSNP593	<i>Desi</i>	Ca_Desig_Chr01	9023240	(T/C)
24999	CadSNP594	<i>Desi</i>	Ca_Desig_Chr01	9023290	(G/A)
25000	CadSNP595	<i>Desi</i>	Ca_Desig_Chr01	9033783	(T/C)
25001	CadSNP596	<i>Desi</i>	Ca_Desig_Chr01	9089686	(T/C)
25002	CadSNP597	<i>Desi</i>	Ca_Desig_Chr01	9193835	(G/A)
25003	CadSNP598	<i>Desi</i>	Ca_Desig_Chr01	9217460	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25004	CadSNP599	<i>Desi</i>	Ca_Desig_Chr01	9217685	(A/G)
25005	CadSNP600	<i>Desi</i>	Ca_Desig_Chr01	9217840	(G/T)
25006	CadSNP601	<i>Desi</i>	Ca_Desig_Chr01	9218827	(T/G)
25007	CadSNP602	<i>Desi</i>	Ca_Desig_Chr01	9218838	(A/C)
25008	CadSNP603	<i>Desi</i>	Ca_Desig_Chr01	9218853	(G/A)
25009	CadSNP604	<i>Desi</i>	Ca_Desig_Chr01	9218890	(C/A)
25010	CadSNP605	<i>Desi</i>	Ca_Desig_Chr01	9298126	(T/G)
25011	CadSNP606	<i>Desi</i>	Ca_Desig_Chr01	9298398	(A/G)
25012	CadSNP607	<i>Desi</i>	Ca_Desig_Chr01	9306517	(A/C)
25013	CadSNP608	<i>Desi</i>	Ca_Desig_Chr01	9308560	(T/C)
25014	CadSNP609	<i>Desi</i>	Ca_Desig_Chr01	9308653	(C/T)
25015	CadSNP610	<i>Desi</i>	Ca_Desig_Chr01	9354522	(G/A)
25016	CadSNP611	<i>Desi</i>	Ca_Desig_Chr01	9354518	(T/G)
25017	CadSNP612	<i>Desi</i>	Ca_Desig_Chr01	9361145	(G/T)
25018	CadSNP613	<i>Desi</i>	Ca_Desig_Chr01	9362408	(G/A)
25019	CadSNP614	<i>Desi</i>	Ca_Desig_Chr01	9761124	(A/G)
25020	CadSNP615	<i>Desi</i>	Ca_Desig_Chr01	9761183	(A/G)
25021	CadSNP616	<i>Desi</i>	Ca_Desig_Chr01	9761192	(T/G)
25022	CadSNP617	<i>Desi</i>	Ca_Desig_Chr01	9761256	(T/C)
25023	CadSNP618	<i>Desi</i>	Ca_Desig_Chr01	10000773	(T/C)
25024	CadSNP619	<i>Desi</i>	Ca_Desig_Chr01	10002060	(A/C)
25025	CadSNP620	<i>Desi</i>	Ca_Desig_Chr01	10012819	(T/C)
25026	CadSNP621	<i>Desi</i>	Ca_Desig_Chr01	10012821	(G/A)
25027	CadSNP622	<i>Desi</i>	Ca_Desig_Chr01	10039308	(T/A)
25028	CadSNP623	<i>Desi</i>	Ca_Desig_Chr01	10078804	(A/G)
25029	CadSNP624	<i>Desi</i>	Ca_Desig_Chr01	10106781	(G/C)
25030	CadSNP625	<i>Desi</i>	Ca_Desig_Chr01	10311695	(T/C)
25031	CadSNP626	<i>Desi</i>	Ca_Desig_Chr01	10322769	(C/T)
25032	CadSNP627	<i>Desi</i>	Ca_Desig_Chr01	10331572	(A/G)
25033	CadSNP628	<i>Desi</i>	Ca_Desig_Chr01	10331598	(G/A)
25034	CadSNP629	<i>Desi</i>	Ca_Desig_Chr01	10371032	(G/A)
25035	CadSNP630	<i>Desi</i>	Ca_Desig_Chr01	10441613	(G/A)
25036	CadSNP631	<i>Desi</i>	Ca_Desig_Chr01	10441719	(A/G)
25037	CadSNP632	<i>Desi</i>	Ca_Desig_Chr01	10441699	(G/A)
25038	CadSNP633	<i>Desi</i>	Ca_Desig_Chr01	10441697	(A/C)
25039	CadSNP634	<i>Desi</i>	Ca_Desig_Chr01	10441800	(C/A)
25040	CadSNP635	<i>Desi</i>	Ca_Desig_Chr01	10441806	(C/A)
25041	CadSNP636	<i>Desi</i>	Ca_Desig_Chr01	10441837	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25042	CadSNP637	<i>Desi</i>	Ca_Desig_Chr01	10474199	(G/A)
25043	CadSNP638	<i>Desi</i>	Ca_Desig_Chr01	10530999	(T/C)
25044	CadSNP639	<i>Desi</i>	Ca_Desig_Chr01	10608390	(A/T)
25045	CadSNP640	<i>Desi</i>	Ca_Desig_Chr01	10707824	(G/T)
25046	CadSNP641	<i>Desi</i>	Ca_Desig_Chr01	10719893	(T/G)
25047	CadSNP642	<i>Desi</i>	Ca_Desig_Chr01	10719894	(T/A)
25048	CadSNP643	<i>Desi</i>	Ca_Desig_Chr01	10720003	(A/T)
25049	CadSNP644	<i>Desi</i>	Ca_Desig_Chr01	10723301	(C/T)
25050	CadSNP645	<i>Desi</i>	Ca_Desig_Chr01	10741069	(G/C)
25051	CadSNP646	<i>Desi</i>	Ca_Desig_Chr01	10741089	(A/G)
25052	CadSNP647	<i>Desi</i>	Ca_Desig_Chr01	10754555	(C/G)
25053	CadSNP648	<i>Desi</i>	Ca_Desig_Chr01	10763266	(T/C)
25054	CadSNP649	<i>Desi</i>	Ca_Desig_Chr01	10827427	(C/T)
25055	CadSNP650	<i>Desi</i>	Ca_Desig_Chr01	10876770	(A/G)
25056	CadSNP651	<i>Desi</i>	Ca_Desig_Chr01	10876828	(C/A)
25057	CadSNP652	<i>Desi</i>	Ca_Desig_Chr01	10943212	(T/C)
25058	CadSNP653	<i>Desi</i>	Ca_Desig_Chr01	10972557	(C/T)
25059	CadSNP654	<i>Desi</i>	Ca_Desig_Chr01	10972556	(G/A)
25060	CadSNP655	<i>Desi</i>	Ca_Desig_Chr01	11104634	(G/T)
25061	CadSNP656	<i>Desi</i>	Ca_Desig_Chr01	11104890	(C/T)
25062	CadSNP657	<i>Desi</i>	Ca_Desig_Chr01	11106063	(A/T)
25063	CadSNP658	<i>Desi</i>	Ca_Desig_Chr01	11106278	(C/T)
25064	CadSNP659	<i>Desi</i>	Ca_Desig_Chr01	11109156	(G/C)
25065	CadSNP660	<i>Desi</i>	Ca_Desig_Chr01	11109187	(A/T)
25066	CadSNP661	<i>Desi</i>	Ca_Desig_Chr01	11140259	(G/T)
25067	CadSNP662	<i>Desi</i>	Ca_Desig_Chr01	11140249	(A/C)
25068	CadSNP663	<i>Desi</i>	Ca_Desig_Chr01	11140319	(A/T)
25069	CadSNP664	<i>Desi</i>	Ca_Desig_Chr01	11140333	(G/A)
25070	CadSNP665	<i>Desi</i>	Ca_Desig_Chr01	11153637	(G/T)
25071	CadSNP666	<i>Desi</i>	Ca_Desig_Chr01	11188515	(T/C)
25072	CadSNP667	<i>Desi</i>	Ca_Desig_Chr01	11188519	(A/G)
25073	CadSNP668	<i>Desi</i>	Ca_Desig_Chr01	11203214	(A/G)
25074	CadSNP669	<i>Desi</i>	Ca_Desig_Chr01	11242051	(C/A)
25075	CadSNP670	<i>Desi</i>	Ca_Desig_Chr01	11242086	(A/T)
25076	CadSNP671	<i>Desi</i>	Ca_Desig_Chr01	11242117	(C/T)
25077	CadSNP672	<i>Desi</i>	Ca_Desig_Chr01	11255650	(A/C)
25078	CadSNP673	<i>Desi</i>	Ca_Desig_Chr01	11255645	(A/C)
25079	CadSNP674	<i>Desi</i>	Ca_Desig_Chr01	11258827	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25080	CadSNP675	<i>Desi</i>	Ca_Desig_Chr01	11302818	(G/A)
25081	CadSNP676	<i>Desi</i>	Ca_Desig_Chr01	11302861	(G/A)
25082	CadSNP677	<i>Desi</i>	Ca_Desig_Chr01	11302870	(A/G)
25083	CadSNP678	<i>Desi</i>	Ca_Desig_Chr01	11305587	(T/G)
25084	CadSNP679	<i>Desi</i>	Ca_Desig_Chr01	11368294	(C/A)
25085	CadSNP680	<i>Desi</i>	Ca_Desig_Chr01	11411238	(A/G)
25086	CadSNP681	<i>Desi</i>	Ca_Desig_Chr01	11411433	(G/C)
25087	CadSNP682	<i>Desi</i>	Ca_Desig_Chr01	11447597	(C/T)
25088	CadSNP683	<i>Desi</i>	Ca_Desig_Chr01	11447611	(C/T)
25089	CadSNP684	<i>Desi</i>	Ca_Desig_Chr01	11447639	(T/C)
25090	CadSNP685	<i>Desi</i>	Ca_Desig_Chr01	11447647	(C/T)
25091	CadSNP686	<i>Desi</i>	Ca_Desig_Chr01	11447673	(T/C)
25092	CadSNP687	<i>Desi</i>	Ca_Desig_Chr01	11470235	(A/G)
25093	CadSNP688	<i>Desi</i>	Ca_Desig_Chr01	11479650	(A/T)
25094	CadSNP689	<i>Desi</i>	Ca_Desig_Chr01	11520563	(T/A)
25095	CadSNP690	<i>Desi</i>	Ca_Desig_Chr01	11520595	(T/C)
25096	CadSNP691	<i>Desi</i>	Ca_Desig_Chr01	11568882	(C/T)
25097	CadSNP692	<i>Desi</i>	Ca_Desig_Chr01	11569800	(A/G)
25098	CadSNP693	<i>Desi</i>	Ca_Desig_Chr01	11569811	(A/C)
25099	CadSNP694	<i>Desi</i>	Ca_Desig_Chr01	11586934	(G/T)
25100	CadSNP695	<i>Desi</i>	Ca_Desig_Chr01	11588193	(C/T)
25101	CadSNP696	<i>Desi</i>	Ca_Desig_Chr01	11588259	(G/A)
25102	CadSNP697	<i>Desi</i>	Ca_Desig_Chr01	11900706	(G/C)
25103	CadSNP698	<i>Desi</i>	Ca_Desig_Chr01	11906460	(A/C)
25104	CadSNP699	<i>Desi</i>	Ca_Desig_Chr01	11909644	(A/C)
25105	CadSNP700	<i>Desi</i>	Ca_Desig_Chr01	12045526	(G/A)
25106	CadSNP701	<i>Desi</i>	Ca_Desig_Chr01	12155983	(T/G)
25107	CadSNP702	<i>Desi</i>	Ca_Desig_Chr01	12159674	(A/C)
25108	CadSNP703	<i>Desi</i>	Ca_Desig_Chr01	12163294	(C/A)
25109	CadSNP704	<i>Desi</i>	Ca_Desig_Chr01	12171484	(A/G)
25110	CadSNP705	<i>Desi</i>	Ca_Desig_Chr01	12171505	(T/C)
25111	CadSNP706	<i>Desi</i>	Ca_Desig_Chr01	12191974	(C/T)
25112	CadSNP707	<i>Desi</i>	Ca_Desig_Chr01	12192017	(G/C)
25113	CadSNP708	<i>Desi</i>	Ca_Desig_Chr01	12192106	(A/C)
25114	CadSNP709	<i>Desi</i>	Ca_Desig_Chr01	12192068	(C/G)
25115	CadSNP710	<i>Desi</i>	Ca_Desig_Chr01	13563876	(T/G)
25116	CadSNP711	<i>Desi</i>	Ca_Desig_Chr01	13585102	(C/G)
25117	CadSNP712	<i>Desi</i>	Ca_Desig_Chr01	13585162	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25118	CadSNP713	<i>Desi</i>	Ca_Desig_Chr01	13590335	(A/G)
25119	CadSNP714	<i>Desi</i>	Ca_Desig_Chr01	13602425	(C/A)
25120	CadSNP715	<i>Desi</i>	Ca_Desig_Chr01	13620048	(C/T)
25121	CadSNP716	<i>Desi</i>	Ca_Desig_Chr01	13641367	(C/T)
25122	CadSNP717	<i>Desi</i>	Ca_Desig_Chr01	13661302	(A/G)
25123	CadSNP718	<i>Desi</i>	Ca_Desig_Chr01	13661337	(G/A)
25124	CadSNP719	<i>Desi</i>	Ca_Desig_Chr01	13690923	(G/A)
25125	CadSNP720	<i>Desi</i>	Ca_Desig_Chr01	13737053	(G/A)
25126	CadSNP721	<i>Desi</i>	Ca_Desig_Chr01	13748421	(C/G)
25127	CadSNP722	<i>Desi</i>	Ca_Desig_Chr01	13766314	(G/A)
25128	CadSNP723	<i>Desi</i>	Ca_Desig_Chr01	13798808	(A/T)
25129	CadSNP724	<i>Desi</i>	Ca_Desig_Chr01	13834782	(G/C)
25130	CadSNP725	<i>Desi</i>	Ca_Desig_Chr01	13843833	(C/T)
25131	CadSNP726	<i>Desi</i>	Ca_Desig_Chr01	13843906	(G/A)
25132	CadSNP727	<i>Desi</i>	Ca_Desig_Chr01	13843980	(C/A)
25133	CadSNP728	<i>Desi</i>	Ca_Desig_Chr01	13843964	(C/G)
25134	CadSNP729	<i>Desi</i>	Ca_Desig_Chr01	13843940	(C/T)
25135	CadSNP730	<i>Desi</i>	Ca_Desig_Chr01	13844080	(C/T)
25136	CadSNP731	<i>Desi</i>	Ca_Desig_Chr01	13844081	(A/T)
25137	CadSNP732	<i>Desi</i>	Ca_Desig_Chr01	13844082	(A/C)
25138	CadSNP733	<i>Desi</i>	Ca_Desig_Chr01	13844150	(G/C)
25139	CadSNP734	<i>Desi</i>	Ca_Desig_Chr01	13852748	(A/G)
25140	CadSNP735	<i>Desi</i>	Ca_Desig_Chr01	13852733	(G/A)
25141	CadSNP736	<i>Desi</i>	Ca_Desig_Chr01	13852713	(C/T)
25142	CadSNP737	<i>Desi</i>	Ca_Desig_Chr01	13853257	(T/C)
25143	CadSNP738	<i>Desi</i>	Ca_Desig_Chr01	13853344	(T/C)
25144	CadSNP739	<i>Desi</i>	Ca_Desig_Chr01	13864949	(G/A)
25145	CadSNP740	<i>Desi</i>	Ca_Desig_Chr01	13927517	(T/C)
25146	CadSNP741	<i>Desi</i>	Ca_Desig_Chr01	13927520	(T/C)
25147	CadSNP742	<i>Desi</i>	Ca_Desig_Chr01	13927698	(T/G)
25148	CadSNP743	<i>Desi</i>	Ca_Desig_Chr01	13934729	(G/T)
25149	CadSNP744	<i>Desi</i>	Ca_Desig_Chr01	13935583	(G/A)
25150	CadSNP745	<i>Desi</i>	Ca_Desig_Chr01	13969163	(T/G)
25151	CadSNP746	<i>Desi</i>	Ca_Desig_Chr01	13969143	(A/C)
25152	CadSNP747	<i>Desi</i>	Ca_Desig_Chr01	14093206	(T/A)
25153	CadSNP748	<i>Desi</i>	Ca_Desig_Chr01	14113511	(G/C)
25154	CadSNP749	<i>Desi</i>	Ca_Desig_Chr01	14113485	(A/G)
25155	CadSNP750	<i>Desi</i>	Ca_Desig_Chr01	14113598	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25156	CadSNP751	<i>Desi</i>	Ca_Desig_Chr01	14114903	(A/C)
25157	CadSNP752	<i>Desi</i>	Ca_Desig_Chr01	14128326	(T/G)
25158	CadSNP753	<i>Desi</i>	Ca_Desig_Chr01	14161553	(G/T)
25159	CadSNP754	<i>Desi</i>	Ca_Desig_Chr02	16503	(A/C)
25160	CadSNP755	<i>Desi</i>	Ca_Desig_Chr02	16504	(G/A)
25161	CadSNP756	<i>Desi</i>	Ca_Desig_Chr02	82708	(C/G)
25162	CadSNP757	<i>Desi</i>	Ca_Desig_Chr02	179194	(C/G)
25163	CadSNP758	<i>Desi</i>	Ca_Desig_Chr02	179173	(G/T)
25164	CadSNP759	<i>Desi</i>	Ca_Desig_Chr02	179260	(T/A)
25165	CadSNP760	<i>Desi</i>	Ca_Desig_Chr02	187800	(A/G)
25166	CadSNP761	<i>Desi</i>	Ca_Desig_Chr02	201869	(T/C)
25167	CadSNP762	<i>Desi</i>	Ca_Desig_Chr02	205617	(C/T)
25168	CadSNP763	<i>Desi</i>	Ca_Desig_Chr02	281905	(T/C)
25169	CadSNP764	<i>Desi</i>	Ca_Desig_Chr02	303118	(C/G)
25170	CadSNP765	<i>Desi</i>	Ca_Desig_Chr02	303138	(A/G)
25171	CadSNP766	<i>Desi</i>	Ca_Desig_Chr02	318397	(A/C)
25172	CadSNP767	<i>Desi</i>	Ca_Desig_Chr02	318414	(A/G)
25173	CadSNP768	<i>Desi</i>	Ca_Desig_Chr02	328850	(G/A)
25174	CadSNP769	<i>Desi</i>	Ca_Desig_Chr02	328828	(C/T)
25175	CadSNP770	<i>Desi</i>	Ca_Desig_Chr02	398016	(C/T)
25176	CadSNP771	<i>Desi</i>	Ca_Desig_Chr02	429417	(T/C)
25177	CadSNP772	<i>Desi</i>	Ca_Desig_Chr02	440499	(C/G)
25178	CadSNP773	<i>Desi</i>	Ca_Desig_Chr02	440520	(G/A)
25179	CadSNP774	<i>Desi</i>	Ca_Desig_Chr02	440592	(A/T)
25180	CadSNP775	<i>Desi</i>	Ca_Desig_Chr02	440595	(T/C)
25181	CadSNP776	<i>Desi</i>	Ca_Desig_Chr02	440600	(T/A)
25182	CadSNP777	<i>Desi</i>	Ca_Desig_Chr02	440607	(A/G)
25183	CadSNP778	<i>Desi</i>	Ca_Desig_Chr02	440754	(T/A)
25184	CadSNP779	<i>Desi</i>	Ca_Desig_Chr02	440724	(C/T)
25185	CadSNP780	<i>Desi</i>	Ca_Desig_Chr02	440718	(G/T)
25186	CadSNP781	<i>Desi</i>	Ca_Desig_Chr02	527661	(G/A)
25187	CadSNP782	<i>Desi</i>	Ca_Desig_Chr02	527635	(C/A)
25188	CadSNP783	<i>Desi</i>	Ca_Desig_Chr02	527634	(C/A)
25189	CadSNP784	<i>Desi</i>	Ca_Desig_Chr02	527633	(T/A)
25190	CadSNP785	<i>Desi</i>	Ca_Desig_Chr02	575365	(T/G)
25191	CadSNP786	<i>Desi</i>	Ca_Desig_Chr02	575518	(A/G)
25192	CadSNP787	<i>Desi</i>	Ca_Desig_Chr02	576524	(G/A)
25193	CadSNP788	<i>Desi</i>	Ca_Desig_Chr02	576624	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25194	CadSNP789	<i>Desi</i>	Ca_Desig_Chr02	579705	(G/A)
25195	CadSNP790	<i>Desi</i>	Ca_Desig_Chr02	580263	(C/T)
25196	CadSNP791	<i>Desi</i>	Ca_Desig_Chr02	595836	(T/A)
25197	CadSNP792	<i>Desi</i>	Ca_Desig_Chr02	595837	(C/A)
25198	CadSNP793	<i>Desi</i>	Ca_Desig_Chr02	595842	(T/A)
25199	CadSNP794	<i>Desi</i>	Ca_Desig_Chr02	595845	(G/A)
25200	CadSNP795	<i>Desi</i>	Ca_Desig_Chr02	595850	(A/T)
25201	CadSNP796	<i>Desi</i>	Ca_Desig_Chr02	595851	(T/A)
25202	CadSNP797	<i>Desi</i>	Ca_Desig_Chr02	595853	(C/A)
25203	CadSNP798	<i>Desi</i>	Ca_Desig_Chr02	595863	(G/A)
25204	CadSNP799	<i>Desi</i>	Ca_Desig_Chr02	727262	(G/C)
25205	CadSNP800	<i>Desi</i>	Ca_Desig_Chr02	749831	(C/G)
25206	CadSNP801	<i>Desi</i>	Ca_Desig_Chr02	760148	(C/T)
25207	CadSNP802	<i>Desi</i>	Ca_Desig_Chr02	842935	(T/C)
25208	CadSNP803	<i>Desi</i>	Ca_Desig_Chr02	842908	(T/C)
25209	CadSNP804	<i>Desi</i>	Ca_Desig_Chr02	842943	(T/C)
25210	CadSNP805	<i>Desi</i>	Ca_Desig_Chr02	930040	(T/C)
25211	CadSNP806	<i>Desi</i>	Ca_Desig_Chr02	972909	(A/T)
25212	CadSNP807	<i>Desi</i>	Ca_Desig_Chr02	972918	(C/A)
25213	CadSNP808	<i>Desi</i>	Ca_Desig_Chr02	972921	(T/C)
25214	CadSNP809	<i>Desi</i>	Ca_Desig_Chr02	972930	(G/A)
25215	CadSNP810	<i>Desi</i>	Ca_Desig_Chr02	972933	(A/G)
25216	CadSNP811	<i>Desi</i>	Ca_Desig_Chr02	992292	(C/A)
25217	CadSNP812	<i>Desi</i>	Ca_Desig_Chr02	1019748	(G/A)
25218	CadSNP813	<i>Desi</i>	Ca_Desig_Chr02	1019708	(A/T)
25219	CadSNP814	<i>Desi</i>	Ca_Desig_Chr02	1019692	(G/T)
25220	CadSNP815	<i>Desi</i>	Ca_Desig_Chr02	1019793	(C/T)
25221	CadSNP816	<i>Desi</i>	Ca_Desig_Chr02	1048681	(G/T)
25222	CadSNP817	<i>Desi</i>	Ca_Desig_Chr02	1048657	(G/A)
25223	CadSNP818	<i>Desi</i>	Ca_Desig_Chr02	1066639	(A/C)
25224	CadSNP819	<i>Desi</i>	Ca_Desig_Chr02	1066693	(A/T)
25225	CadSNP820	<i>Desi</i>	Ca_Desig_Chr02	1066672	(T/A)
25226	CadSNP821	<i>Desi</i>	Ca_Desig_Chr02	1066647	(A/T)
25227	CadSNP822	<i>Desi</i>	Ca_Desig_Chr02	1081581	(T/C)
25228	CadSNP823	<i>Desi</i>	Ca_Desig_Chr02	1147386	(A/G)
25229	CadSNP824	<i>Desi</i>	Ca_Desig_Chr02	1147402	(T/C)
25230	CadSNP825	<i>Desi</i>	Ca_Desig_Chr02	1151458	(G/T)
25231	CadSNP826	<i>Desi</i>	Ca_Desig_Chr02	1205892	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25232	CadSNP827	<i>Desi</i>	Ca_Desig_Chr02	1220563	(G/C)
25233	CadSNP828	<i>Desi</i>	Ca_Desig_Chr02	1367073	(C/A)
25234	CadSNP829	<i>Desi</i>	Ca_Desig_Chr02	1369594	(G/T)
25235	CadSNP830	<i>Desi</i>	Ca_Desig_Chr02	1369598	(G/T)
25236	CadSNP831	<i>Desi</i>	Ca_Desig_Chr02	1521985	(A/C)
25237	CadSNP832	<i>Desi</i>	Ca_Desig_Chr02	1521957	(A/C)
25238	CadSNP833	<i>Desi</i>	Ca_Desig_Chr02	1557630	(G/T)
25239	CadSNP834	<i>Desi</i>	Ca_Desig_Chr02	1565698	(G/A)
25240	CadSNP835	<i>Desi</i>	Ca_Desig_Chr02	1565686	(A/G)
25241	CadSNP836	<i>Desi</i>	Ca_Desig_Chr02	1565676	(C/T)
25242	CadSNP837	<i>Desi</i>	Ca_Desig_Chr02	1621762	(C/A)
25243	CadSNP838	<i>Desi</i>	Ca_Desig_Chr02	1846506	(G/T)
25244	CadSNP839	<i>Desi</i>	Ca_Desig_Chr02	1857220	(G/A)
25245	CadSNP840	<i>Desi</i>	Ca_Desig_Chr02	1857224	(A/G)
25246	CadSNP841	<i>Desi</i>	Ca_Desig_Chr02	1861385	(A/G)
25247	CadSNP842	<i>Desi</i>	Ca_Desig_Chr02	1861412	(G/A)
25248	CadSNP843	<i>Desi</i>	Ca_Desig_Chr02	1861525	(G/A)
25249	CadSNP844	<i>Desi</i>	Ca_Desig_Chr02	1861519	(C/T)
25250	CadSNP845	<i>Desi</i>	Ca_Desig_Chr02	1868000	(A/G)
25251	CadSNP846	<i>Desi</i>	Ca_Desig_Chr02	1883048	(A/G)
25252	CadSNP847	<i>Desi</i>	Ca_Desig_Chr02	1883019	(A/G)
25253	CadSNP848	<i>Desi</i>	Ca_Desig_Chr02	1894083	(A/T)
25254	CadSNP849	<i>Desi</i>	Ca_Desig_Chr02	1954750	(A/C)
25255	CadSNP850	<i>Desi</i>	Ca_Desig_Chr02	1958652	(A/C)
25256	CadSNP851	<i>Desi</i>	Ca_Desig_Chr02	1959776	(C/T)
25257	CadSNP852	<i>Desi</i>	Ca_Desig_Chr02	1996590	(T/C)
25258	CadSNP853	<i>Desi</i>	Ca_Desig_Chr02	1996699	(G/A)
25259	CadSNP854	<i>Desi</i>	Ca_Desig_Chr02	2100229	(C/T)
25260	CadSNP855	<i>Desi</i>	Ca_Desig_Chr02	2308597	(A/G)
25261	CadSNP856	<i>Desi</i>	Ca_Desig_Chr02	2308730	(G/A)
25262	CadSNP857	<i>Desi</i>	Ca_Desig_Chr02	2326287	(G/C)
25263	CadSNP858	<i>Desi</i>	Ca_Desig_Chr02	2344280	(G/A)
25264	CadSNP859	<i>Desi</i>	Ca_Desig_Chr02	2344333	(T/C)
25265	CadSNP860	<i>Desi</i>	Ca_Desig_Chr02	2361308	(G/A)
25266	CadSNP861	<i>Desi</i>	Ca_Desig_Chr02	2361249	(T/C)
25267	CadSNP862	<i>Desi</i>	Ca_Desig_Chr02	2363610	(C/G)
25268	CadSNP863	<i>Desi</i>	Ca_Desig_Chr02	2379453	(A/G)
25269	CadSNP864	<i>Desi</i>	Ca_Desig_Chr02	2406652	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25270	CadSNP865	<i>Desi</i>	Ca_Desig_Chr02	2449541	(T/G)
25271	CadSNP866	<i>Desi</i>	Ca_Desig_Chr02	2449576	(T/A)
25272	CadSNP867	<i>Desi</i>	Ca_Desig_Chr02	2461994	(T/A)
25273	CadSNP868	<i>Desi</i>	Ca_Desig_Chr02	2488147	(A/G)
25274	CadSNP869	<i>Desi</i>	Ca_Desig_Chr02	2488151	(C/T)
25275	CadSNP870	<i>Desi</i>	Ca_Desig_Chr02	2488181	(T/G)
25276	CadSNP871	<i>Desi</i>	Ca_Desig_Chr02	2527417	(C/T)
25277	CadSNP872	<i>Desi</i>	Ca_Desig_Chr02	2527461	(C/T)
25278	CadSNP873	<i>Desi</i>	Ca_Desig_Chr02	2565668	(G/A)
25279	CadSNP874	<i>Desi</i>	Ca_Desig_Chr02	2574544	(T/C)
25280	CadSNP875	<i>Desi</i>	Ca_Desig_Chr02	2600740	(G/T)
25281	CadSNP876	<i>Desi</i>	Ca_Desig_Chr02	2600744	(G/T)
25282	CadSNP877	<i>Desi</i>	Ca_Desig_Chr02	2600751	(C/T)
25283	CadSNP878	<i>Desi</i>	Ca_Desig_Chr02	2607635	(G/C)
25284	CadSNP879	<i>Desi</i>	Ca_Desig_Chr02	2607620	(T/G)
25285	CadSNP880	<i>Desi</i>	Ca_Desig_Chr02	2607603	(T/G)
25286	CadSNP881	<i>Desi</i>	Ca_Desig_Chr02	2607737	(T/A)
25287	CadSNP882	<i>Desi</i>	Ca_Desig_Chr02	2607804	(A/C)
25288	CadSNP883	<i>Desi</i>	Ca_Desig_Chr02	2607820	(G/T)
25289	CadSNP884	<i>Desi</i>	Ca_Desig_Chr02	2607827	(T/G)
25290	CadSNP885	<i>Desi</i>	Ca_Desig_Chr02	2607828	(A/T)
25291	CadSNP886	<i>Desi</i>	Ca_Desig_Chr02	2607993	(A/T)
25292	CadSNP887	<i>Desi</i>	Ca_Desig_Chr02	2608058	(G/A)
25293	CadSNP888	<i>Desi</i>	Ca_Desig_Chr02	2608080	(C/T)
25294	CadSNP889	<i>Desi</i>	Ca_Desig_Chr02	2608756	(A/G)
25295	CadSNP890	<i>Desi</i>	Ca_Desig_Chr02	2704878	(C/T)
25296	CadSNP891	<i>Desi</i>	Ca_Desig_Chr02	2764423	(C/G)
25297	CadSNP892	<i>Desi</i>	Ca_Desig_Chr02	2764465	(A/G)
25298	CadSNP893	<i>Desi</i>	Ca_Desig_Chr02	2764476	(T/C)
25299	CadSNP894	<i>Desi</i>	Ca_Desig_Chr02	2764617	(C/T)
25300	CadSNP895	<i>Desi</i>	Ca_Desig_Chr02	2764833	(T/C)
25301	CadSNP896	<i>Desi</i>	Ca_Desig_Chr02	2849625	(G/A)
25302	CadSNP897	<i>Desi</i>	Ca_Desig_Chr02	2879030	(T/A)
25303	CadSNP898	<i>Desi</i>	Ca_Desig_Chr02	2890359	(G/A)
25304	CadSNP899	<i>Desi</i>	Ca_Desig_Chr02	2956401	(A/G)
25305	CadSNP900	<i>Desi</i>	Ca_Desig_Chr02	3068073	(T/A)
25306	CadSNP901	<i>Desi</i>	Ca_Desig_Chr02	3069887	(A/G)
25307	CadSNP902	<i>Desi</i>	Ca_Desig_Chr02	3069889	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25308	CadSNP903	<i>Desi</i>	Ca_Desig_Chr02	3118713	(T/G)
25309	CadSNP904	<i>Desi</i>	Ca_Desig_Chr02	3331580	(G/T)
25310	CadSNP905	<i>Desi</i>	Ca_Desig_Chr02	3360033	(A/T)
25311	CadSNP906	<i>Desi</i>	Ca_Desig_Chr02	3589210	(C/T)
25312	CadSNP907	<i>Desi</i>	Ca_Desig_Chr02	3589227	(G/A)
25313	CadSNP908	<i>Desi</i>	Ca_Desig_Chr02	3589397	(G/A)
25314	CadSNP909	<i>Desi</i>	Ca_Desig_Chr02	3604220	(C/A)
25315	CadSNP910	<i>Desi</i>	Ca_Desig_Chr02	3604390	(G/A)
25316	CadSNP911	<i>Desi</i>	Ca_Desig_Chr02	3604373	(A/G)
25317	CadSNP912	<i>Desi</i>	Ca_Desig_Chr02	3604348	(G/A)
25318	CadSNP913	<i>Desi</i>	Ca_Desig_Chr02	3604347	(T/C)
25319	CadSNP914	<i>Desi</i>	Ca_Desig_Chr02	3604341	(G/A)
25320	CadSNP915	<i>Desi</i>	Ca_Desig_Chr02	3604339	(A/C)
25321	CadSNP916	<i>Desi</i>	Ca_Desig_Chr02	3604329	(G/A)
25322	CadSNP917	<i>Desi</i>	Ca_Desig_Chr02	3604402	(A/C)
25323	CadSNP918	<i>Desi</i>	Ca_Desig_Chr02	3604419	(T/C)
25324	CadSNP919	<i>Desi</i>	Ca_Desig_Chr02	3722112	(T/C)
25325	CadSNP920	<i>Desi</i>	Ca_Desig_Chr02	3722164	(T/A)
25326	CadSNP921	<i>Desi</i>	Ca_Desig_Chr02	3722146	(A/G)
25327	CadSNP922	<i>Desi</i>	Ca_Desig_Chr02	3750227	(C/A)
25328	CadSNP923	<i>Desi</i>	Ca_Desig_Chr02	3750343	(T/A)
25329	CadSNP924	<i>Desi</i>	Ca_Desig_Chr02	3750312	(A/G)
25330	CadSNP925	<i>Desi</i>	Ca_Desig_Chr02	3750295	(T/C)
25331	CadSNP926	<i>Desi</i>	Ca_Desig_Chr02	3756279	(C/A)
25332	CadSNP927	<i>Desi</i>	Ca_Desig_Chr02	3756269	(A/C)
25333	CadSNP928	<i>Desi</i>	Ca_Desig_Chr02	3756677	(T/C)
25334	CadSNP929	<i>Desi</i>	Ca_Desig_Chr02	3854174	(C/T)
25335	CadSNP930	<i>Desi</i>	Ca_Desig_Chr02	3854173	(A/T)
25336	CadSNP931	<i>Desi</i>	Ca_Desig_Chr02	3930203	(C/G)
25337	CadSNP932	<i>Desi</i>	Ca_Desig_Chr02	4041350	(C/T)
25338	CadSNP933	<i>Desi</i>	Ca_Desig_Chr02	4041319	(A/G)
25339	CadSNP934	<i>Desi</i>	Ca_Desig_Chr02	4058389	(G/A)
25340	CadSNP935	<i>Desi</i>	Ca_Desig_Chr02	4125467	(G/A)
25341	CadSNP936	<i>Desi</i>	Ca_Desig_Chr02	4185142	(A/G)
25342	CadSNP937	<i>Desi</i>	Ca_Desig_Chr02	4185428	(T/A)
25343	CadSNP938	<i>Desi</i>	Ca_Desig_Chr02	4185422	(T/C)
25344	CadSNP939	<i>Desi</i>	Ca_Desig_Chr02	4185408	(A/G)
25345	CadSNP940	<i>Desi</i>	Ca_Desig_Chr02	4185394	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25346	CadSNP941	<i>Desi</i>	Ca_Desig_Chr02	4190614	(C/T)
25347	CadSNP942	<i>Desi</i>	Ca_Desig_Chr02	4190767	(T/A)
25348	CadSNP943	<i>Desi</i>	Ca_Desig_Chr02	4212810	(A/G)
25349	CadSNP944	<i>Desi</i>	Ca_Desig_Chr02	4238261	(G/A)
25350	CadSNP945	<i>Desi</i>	Ca_Desig_Chr02	4527225	(T/A)
25351	CadSNP946	<i>Desi</i>	Ca_Desig_Chr02	4527227	(A/G)
25352	CadSNP947	<i>Desi</i>	Ca_Desig_Chr02	4527234	(A/G)
25353	CadSNP948	<i>Desi</i>	Ca_Desig_Chr02	4528767	(A/T)
25354	CadSNP949	<i>Desi</i>	Ca_Desig_Chr02	4552112	(C/T)
25355	CadSNP950	<i>Desi</i>	Ca_Desig_Chr02	4727092	(G/C)
25356	CadSNP951	<i>Desi</i>	Ca_Desig_Chr02	5116790	(C/T)
25357	CadSNP952	<i>Desi</i>	Ca_Desig_Chr02	5116882	(G/A)
25358	CadSNP953	<i>Desi</i>	Ca_Desig_Chr02	5168628	(T/A)
25359	CadSNP954	<i>Desi</i>	Ca_Desig_Chr02	5168645	(C/A)
25360	CadSNP955	<i>Desi</i>	Ca_Desig_Chr02	5213222	(G/A)
25361	CadSNP956	<i>Desi</i>	Ca_Desig_Chr02	5223443	(G/A)
25362	CadSNP957	<i>Desi</i>	Ca_Desig_Chr02	5400370	(A/T)
25363	CadSNP958	<i>Desi</i>	Ca_Desig_Chr02	5400364	(C/T)
25364	CadSNP959	<i>Desi</i>	Ca_Desig_Chr02	5448589	(C/A)
25365	CadSNP960	<i>Desi</i>	Ca_Desig_Chr02	5462566	(C/G)
25366	CadSNP961	<i>Desi</i>	Ca_Desig_Chr02	5466959	(C/T)
25367	CadSNP962	<i>Desi</i>	Ca_Desig_Chr02	5466961	(A/G)
25368	CadSNP963	<i>Desi</i>	Ca_Desig_Chr02	5466969	(T/A)
25369	CadSNP964	<i>Desi</i>	Ca_Desig_Chr02	5466993	(C/T)
25370	CadSNP965	<i>Desi</i>	Ca_Desig_Chr02	5467020	(G/A)
25371	CadSNP966	<i>Desi</i>	Ca_Desig_Chr02	5472865	(A/G)
25372	CadSNP967	<i>Desi</i>	Ca_Desig_Chr02	5472802	(T/C)
25373	CadSNP968	<i>Desi</i>	Ca_Desig_Chr02	5503519	(G/A)
25374	CadSNP969	<i>Desi</i>	Ca_Desig_Chr02	5503511	(G/T)
25375	CadSNP970	<i>Desi</i>	Ca_Desig_Chr02	5503509	(A/G)
25376	CadSNP971	<i>Desi</i>	Ca_Desig_Chr02	5503507	(C/A)
25377	CadSNP972	<i>Desi</i>	Ca_Desig_Chr02	5503492	(G/A)
25378	CadSNP973	<i>Desi</i>	Ca_Desig_Chr02	5503490	(T/G)
25379	CadSNP974	<i>Desi</i>	Ca_Desig_Chr02	5503486	(G/A)
25380	CadSNP975	<i>Desi</i>	Ca_Desig_Chr02	5503637	(C/G)
25381	CadSNP976	<i>Desi</i>	Ca_Desig_Chr02	5503732	(G/C)
25382	CadSNP977	<i>Desi</i>	Ca_Desig_Chr02	5503727	(T/G)
25383	CadSNP978	<i>Desi</i>	Ca_Desig_Chr02	5513741	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25384	CadSNP979	<i>Desi</i>	Ca_Desig_Chr02	5530121	(C/T)
25385	CadSNP980	<i>Desi</i>	Ca_Desig_Chr02	5548819	(G/A)
25386	CadSNP981	<i>Desi</i>	Ca_Desig_Chr02	5548807	(C/G)
25387	CadSNP982	<i>Desi</i>	Ca_Desig_Chr02	5549174	(G/A)
25388	CadSNP983	<i>Desi</i>	Ca_Desig_Chr02	5549164	(T/C)
25389	CadSNP984	<i>Desi</i>	Ca_Desig_Chr02	5549156	(T/A)
25390	CadSNP985	<i>Desi</i>	Ca_Desig_Chr02	5549150	(C/A)
25391	CadSNP986	<i>Desi</i>	Ca_Desig_Chr02	5549966	(A/T)
25392	CadSNP987	<i>Desi</i>	Ca_Desig_Chr02	5550007	(G/A)
25393	CadSNP988	<i>Desi</i>	Ca_Desig_Chr02	5550009	(A/C)
25394	CadSNP989	<i>Desi</i>	Ca_Desig_Chr02	5577178	(A/T)
25395	CadSNP990	<i>Desi</i>	Ca_Desig_Chr02	5632043	(A/G)
25396	CadSNP991	<i>Desi</i>	Ca_Desig_Chr02	5635080	(T/C)
25397	CadSNP992	<i>Desi</i>	Ca_Desig_Chr02	5635215	(A/C)
25398	CadSNP993	<i>Desi</i>	Ca_Desig_Chr02	5635178	(A/T)
25399	CadSNP994	<i>Desi</i>	Ca_Desig_Chr02	5648550	(A/G)
25400	CadSNP995	<i>Desi</i>	Ca_Desig_Chr02	5661404	(C/T)
25401	CadSNP996	<i>Desi</i>	Ca_Desig_Chr02	5661407	(A/G)
25402	CadSNP997	<i>Desi</i>	Ca_Desig_Chr02	5661416	(A/G)
25403	CadSNP998	<i>Desi</i>	Ca_Desig_Chr02	5661427	(A/G)
25404	CadSNP999	<i>Desi</i>	Ca_Desig_Chr02	5661431	(G/T)
25405	CadSNP1000	<i>Desi</i>	Ca_Desig_Chr02	5661464	(A/T)
25406	CadSNP1001	<i>Desi</i>	Ca_Desig_Chr02	5661470	(A/T)
25407	CadSNP1002	<i>Desi</i>	Ca_Desig_Chr02	5661482	(A/G)
25408	CadSNP1003	<i>Desi</i>	Ca_Desig_Chr02	5661485	(G/C)
25409	CadSNP1004	<i>Desi</i>	Ca_Desig_Chr02	5661500	(A/G)
25410	CadSNP1005	<i>Desi</i>	Ca_Desig_Chr02	5661498	(T/C)
25411	CadSNP1006	<i>Desi</i>	Ca_Desig_Chr02	5661494	(T/A)
25412	CadSNP1007	<i>Desi</i>	Ca_Desig_Chr02	5694128	(G/T)
25413	CadSNP1008	<i>Desi</i>	Ca_Desig_Chr02	5694127	(C/T)
25414	CadSNP1009	<i>Desi</i>	Ca_Desig_Chr02	5694118	(T/C)
25415	CadSNP1010	<i>Desi</i>	Ca_Desig_Chr02	5698170	(T/A)
25416	CadSNP1011	<i>Desi</i>	Ca_Desig_Chr02	5698197	(G/A)
25417	CadSNP1012	<i>Desi</i>	Ca_Desig_Chr02	5698994	(G/C)
25418	CadSNP1013	<i>Desi</i>	Ca_Desig_Chr02	5698976	(C/T)
25419	CadSNP1014	<i>Desi</i>	Ca_Desig_Chr02	5699101	(G/A)
25420	CadSNP1015	<i>Desi</i>	Ca_Desig_Chr02	5699314	(A/G)
25421	CadSNP1016	<i>Desi</i>	Ca_Desig_Chr02	5699361	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25422	CadSNP1017	<i>Desi</i>	Ca_Desig_Chr02	5699391	(T/A)
25423	CadSNP1018	<i>Desi</i>	Ca_Desig_Chr02	5699393	(G/A)
25424	CadSNP1019	<i>Desi</i>	Ca_Desig_Chr02	5733756	(C/A)
25425	CadSNP1020	<i>Desi</i>	Ca_Desig_Chr02	5740309	(C/A)
25426	CadSNP1021	<i>Desi</i>	Ca_Desig_Chr02	5745142	(C/T)
25427	CadSNP1022	<i>Desi</i>	Ca_Desig_Chr02	5917902	(G/A)
25428	CadSNP1023	<i>Desi</i>	Ca_Desig_Chr02	5965393	(G/T)
25429	CadSNP1024	<i>Desi</i>	Ca_Desig_Chr02	5965391	(C/T)
25430	CadSNP1025	<i>Desi</i>	Ca_Desig_Chr02	5966192	(C/T)
25431	CadSNP1026	<i>Desi</i>	Ca_Desig_Chr02	5988875	(T/A)
25432	CadSNP1027	<i>Desi</i>	Ca_Desig_Chr02	6010840	(G/A)
25433	CadSNP1028	<i>Desi</i>	Ca_Desig_Chr02	6011026	(G/A)
25434	CadSNP1029	<i>Desi</i>	Ca_Desig_Chr02	6018033	(C/T)
25435	CadSNP1030	<i>Desi</i>	Ca_Desig_Chr02	6019934	(G/T)
25436	CadSNP1031	<i>Desi</i>	Ca_Desig_Chr02	6020224	(G/A)
25437	CadSNP1032	<i>Desi</i>	Ca_Desig_Chr02	6022635	(G/A)
25438	CadSNP1033	<i>Desi</i>	Ca_Desig_Chr02	6022627	(T/G)
25439	CadSNP1034	<i>Desi</i>	Ca_Desig_Chr02	6022619	(C/T)
25440	CadSNP1035	<i>Desi</i>	Ca_Desig_Chr02	6048386	(T/A)
25441	CadSNP1036	<i>Desi</i>	Ca_Desig_Chr02	6053043	(A/T)
25442	CadSNP1037	<i>Desi</i>	Ca_Desig_Chr02	6071359	(C/T)
25443	CadSNP1038	<i>Desi</i>	Ca_Desig_Chr02	6088304	(C/T)
25444	CadSNP1039	<i>Desi</i>	Ca_Desig_Chr02	6089048	(T/C)
25445	CadSNP1040	<i>Desi</i>	Ca_Desig_Chr02	6089257	(G/A)
25446	CadSNP1041	<i>Desi</i>	Ca_Desig_Chr02	6091962	(C/T)
25447	CadSNP1042	<i>Desi</i>	Ca_Desig_Chr02	6091970	(A/C)
25448	CadSNP1043	<i>Desi</i>	Ca_Desig_Chr02	6091973	(T/G)
25449	CadSNP1044	<i>Desi</i>	Ca_Desig_Chr02	6092094	(A/G)
25450	CadSNP1045	<i>Desi</i>	Ca_Desig_Chr02	6092092	(G/A)
25451	CadSNP1046	<i>Desi</i>	Ca_Desig_Chr02	6092158	(G/C)
25452	CadSNP1047	<i>Desi</i>	Ca_Desig_Chr02	6092265	(A/G)
25453	CadSNP1048	<i>Desi</i>	Ca_Desig_Chr02	6092376	(T/C)
25454	CadSNP1049	<i>Desi</i>	Ca_Desig_Chr02	6092347	(T/G)
25455	CadSNP1050	<i>Desi</i>	Ca_Desig_Chr02	6092444	(C/T)
25456	CadSNP1051	<i>Desi</i>	Ca_Desig_Chr02	6094379	(C/G)
25457	CadSNP1052	<i>Desi</i>	Ca_Desig_Chr02	6103902	(T/C)
25458	CadSNP1053	<i>Desi</i>	Ca_Desig_Chr02	6107446	(A/C)
25459	CadSNP1054	<i>Desi</i>	Ca_Desig_Chr02	6107432	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25460	CadSNP1055	<i>Desi</i>	Ca_Desig_Chr02	6131587	(T/C)
25461	CadSNP1056	<i>Desi</i>	Ca_Desig_Chr02	6135210	(G/A)
25462	CadSNP1057	<i>Desi</i>	Ca_Desig_Chr02	6138794	(T/G)
25463	CadSNP1058	<i>Desi</i>	Ca_Desig_Chr02	6138861	(C/T)
25464	CadSNP1059	<i>Desi</i>	Ca_Desig_Chr02	6138912	(C/T)
25465	CadSNP1060	<i>Desi</i>	Ca_Desig_Chr02	6138975	(A/T)
25466	CadSNP1061	<i>Desi</i>	Ca_Desig_Chr02	6138976	(G/T)
25467	CadSNP1062	<i>Desi</i>	Ca_Desig_Chr02	6139045	(A/G)
25468	CadSNP1063	<i>Desi</i>	Ca_Desig_Chr02	6140423	(G/A)
25469	CadSNP1064	<i>Desi</i>	Ca_Desig_Chr02	6140387	(T/C)
25470	CadSNP1065	<i>Desi</i>	Ca_Desig_Chr02	6145109	(C/T)
25471	CadSNP1066	<i>Desi</i>	Ca_Desig_Chr02	6145149	(T/A)
25472	CadSNP1067	<i>Desi</i>	Ca_Desig_Chr02	6145148	(C/A)
25473	CadSNP1068	<i>Desi</i>	Ca_Desig_Chr02	6145235	(C/T)
25474	CadSNP1069	<i>Desi</i>	Ca_Desig_Chr02	6145253	(G/A)
25475	CadSNP1070	<i>Desi</i>	Ca_Desig_Chr02	6145263	(G/A)
25476	CadSNP1071	<i>Desi</i>	Ca_Desig_Chr02	6179369	(A/C)
25477	CadSNP1072	<i>Desi</i>	Ca_Desig_Chr02	6243184	(C/T)
25478	CadSNP1073	<i>Desi</i>	Ca_Desig_Chr02	6243219	(T/G)
25479	CadSNP1074	<i>Desi</i>	Ca_Desig_Chr02	6249860	(G/A)
25480	CadSNP1075	<i>Desi</i>	Ca_Desig_Chr02	6249876	(C/T)
25481	CadSNP1076	<i>Desi</i>	Ca_Desig_Chr02	6249888	(C/A)
25482	CadSNP1077	<i>Desi</i>	Ca_Desig_Chr02	6249889	(A/C)
25483	CadSNP1078	<i>Desi</i>	Ca_Desig_Chr02	6249975	(T/C)
25484	CadSNP1079	<i>Desi</i>	Ca_Desig_Chr02	6255732	(T/C)
25485	CadSNP1080	<i>Desi</i>	Ca_Desig_Chr02	6265666	(A/G)
25486	CadSNP1081	<i>Desi</i>	Ca_Desig_Chr02	6275717	(C/T)
25487	CadSNP1082	<i>Desi</i>	Ca_Desig_Chr02	6436332	(T/A)
25488	CadSNP1083	<i>Desi</i>	Ca_Desig_Chr02	6436365	(A/C)
25489	CadSNP1084	<i>Desi</i>	Ca_Desig_Chr02	6436390	(G/T)
25490	CadSNP1085	<i>Desi</i>	Ca_Desig_Chr02	6436396	(G/T)
25491	CadSNP1086	<i>Desi</i>	Ca_Desig_Chr02	6437062	(A/T)
25492	CadSNP1087	<i>Desi</i>	Ca_Desig_Chr02	6437145	(T/C)
25493	CadSNP1088	<i>Desi</i>	Ca_Desig_Chr02	6532962	(C/T)
25494	CadSNP1089	<i>Desi</i>	Ca_Desig_Chr02	6532976	(G/T)
25495	CadSNP1090	<i>Desi</i>	Ca_Desig_Chr02	6535217	(C/T)
25496	CadSNP1091	<i>Desi</i>	Ca_Desig_Chr02	6589542	(A/G)
25497	CadSNP1092	<i>Desi</i>	Ca_Desig_Chr02	6589551	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25498	CadSNP1093	<i>Desi</i>	Ca_Desig_Chr02	6589573	(G/A)
25499	CadSNP1094	<i>Desi</i>	Ca_Desig_Chr02	6601251	(T/A)
25500	CadSNP1095	<i>Desi</i>	Ca_Desig_Chr02	6608684	(T/C)
25501	CadSNP1096	<i>Desi</i>	Ca_Desig_Chr02	6608737	(G/A)
25502	CadSNP1097	<i>Desi</i>	Ca_Desig_Chr02	6609027	(G/T)
25503	CadSNP1098	<i>Desi</i>	Ca_Desig_Chr02	6609053	(A/T)
25504	CadSNP1099	<i>Desi</i>	Ca_Desig_Chr02	6614650	(G/A)
25505	CadSNP1100	<i>Desi</i>	Ca_Desig_Chr02	6614735	(T/G)
25506	CadSNP1101	<i>Desi</i>	Ca_Desig_Chr02	6614685	(G/A)
25507	CadSNP1102	<i>Desi</i>	Ca_Desig_Chr02	6614760	(G/C)
25508	CadSNP1103	<i>Desi</i>	Ca_Desig_Chr02	6622281	(T/A)
25509	CadSNP1104	<i>Desi</i>	Ca_Desig_Chr02	6622600	(A/G)
25510	CadSNP1105	<i>Desi</i>	Ca_Desig_Chr02	6624856	(T/C)
25511	CadSNP1106	<i>Desi</i>	Ca_Desig_Chr02	6624907	(C/G)
25512	CadSNP1107	<i>Desi</i>	Ca_Desig_Chr02	6651178	(A/T)
25513	CadSNP1108	<i>Desi</i>	Ca_Desig_Chr02	6653902	(C/T)
25514	CadSNP1109	<i>Desi</i>	Ca_Desig_Chr02	6653887	(A/G)
25515	CadSNP1110	<i>Desi</i>	Ca_Desig_Chr02	6653879	(G/T)
25516	CadSNP1111	<i>Desi</i>	Ca_Desig_Chr02	6669823	(C/G)
25517	CadSNP1112	<i>Desi</i>	Ca_Desig_Chr02	6671859	(A/G)
25518	CadSNP1113	<i>Desi</i>	Ca_Desig_Chr02	6701392	(G/A)
25519	CadSNP1114	<i>Desi</i>	Ca_Desig_Chr02	6701394	(G/A)
25520	CadSNP1115	<i>Desi</i>	Ca_Desig_Chr02	6711702	(C/T)
25521	CadSNP1116	<i>Desi</i>	Ca_Desig_Chr02	6711747	(C/T)
25522	CadSNP1117	<i>Desi</i>	Ca_Desig_Chr02	6711829	(T/G)
25523	CadSNP1118	<i>Desi</i>	Ca_Desig_Chr02	6713000	(T/A)
25524	CadSNP1119	<i>Desi</i>	Ca_Desig_Chr02	6908990	(A/G)
25525	CadSNP1120	<i>Desi</i>	Ca_Desig_Chr02	6968294	(T/G)
25526	CadSNP1121	<i>Desi</i>	Ca_Desig_Chr02	6968382	(C/G)
25527	CadSNP1122	<i>Desi</i>	Ca_Desig_Chr02	6992535	(A/G)
25528	CadSNP1123	<i>Desi</i>	Ca_Desig_Chr02	7059796	(C/T)
25529	CadSNP1124	<i>Desi</i>	Ca_Desig_Chr02	7059783	(G/C)
25530	CadSNP1125	<i>Desi</i>	Ca_Desig_Chr02	7062006	(A/G)
25531	CadSNP1126	<i>Desi</i>	Ca_Desig_Chr02	7062059	(G/A)
25532	CadSNP1127	<i>Desi</i>	Ca_Desig_Chr02	7082429	(A/G)
25533	CadSNP1128	<i>Desi</i>	Ca_Desig_Chr02	7082437	(T/C)
25534	CadSNP1129	<i>Desi</i>	Ca_Desig_Chr02	7082452	(A/C)
25535	CadSNP1130	<i>Desi</i>	Ca_Desig_Chr02	7082486	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25536	CadSNP1131	<i>Desi</i>	Ca_Desig_Chr02	7082872	(A/C)
25537	CadSNP1132	<i>Desi</i>	Ca_Desig_Chr02	7082948	(C/G)
25538	CadSNP1133	<i>Desi</i>	Ca_Desig_Chr02	7085006	(A/G)
25539	CadSNP1134	<i>Desi</i>	Ca_Desig_Chr02	7084987	(T/C)
25540	CadSNP1135	<i>Desi</i>	Ca_Desig_Chr02	7084976	(A/C)
25541	CadSNP1136	<i>Desi</i>	Ca_Desig_Chr02	7113287	(G/T)
25542	CadSNP1137	<i>Desi</i>	Ca_Desig_Chr02	7113358	(G/T)
25543	CadSNP1138	<i>Desi</i>	Ca_Desig_Chr02	7222282	(T/A)
25544	CadSNP1139	<i>Desi</i>	Ca_Desig_Chr02	7222474	(T/G)
25545	CadSNP1140	<i>Desi</i>	Ca_Desig_Chr02	7222511	(T/A)
25546	CadSNP1141	<i>Desi</i>	Ca_Desig_Chr02	7241676	(G/A)
25547	CadSNP1142	<i>Desi</i>	Ca_Desig_Chr02	7241824	(G/A)
25548	CadSNP1143	<i>Desi</i>	Ca_Desig_Chr02	7242108	(A/G)
25549	CadSNP1144	<i>Desi</i>	Ca_Desig_Chr02	7242124	(G/A)
25550	CadSNP1145	<i>Desi</i>	Ca_Desig_Chr02	7316884	(A/T)
25551	CadSNP1146	<i>Desi</i>	Ca_Desig_Chr02	7317863	(G/A)
25552	CadSNP1147	<i>Desi</i>	Ca_Desig_Chr02	7317845	(A/G)
25553	CadSNP1148	<i>Desi</i>	Ca_Desig_Chr02	7327612	(C/T)
25554	CadSNP1149	<i>Desi</i>	Ca_Desig_Chr02	7327751	(T/C)
25555	CadSNP1150	<i>Desi</i>	Ca_Desig_Chr02	7353195	(G/A)
25556	CadSNP1151	<i>Desi</i>	Ca_Desig_Chr02	7358767	(C/A)
25557	CadSNP1152	<i>Desi</i>	Ca_Desig_Chr02	7389166	(G/A)
25558	CadSNP1153	<i>Desi</i>	Ca_Desig_Chr02	7397445	(T/A)
25559	CadSNP1154	<i>Desi</i>	Ca_Desig_Chr02	7409824	(C/T)
25560	CadSNP1155	<i>Desi</i>	Ca_Desig_Chr02	7419315	(A/G)
25561	CadSNP1156	<i>Desi</i>	Ca_Desig_Chr02	7438626	(G/A)
25562	CadSNP1157	<i>Desi</i>	Ca_Desig_Chr02	7457010	(C/T)
25563	CadSNP1158	<i>Desi</i>	Ca_Desig_Chr02	7458342	(G/A)
25564	CadSNP1159	<i>Desi</i>	Ca_Desig_Chr02	7459382	(G/A)
25565	CadSNP1160	<i>Desi</i>	Ca_Desig_Chr02	7462051	(A/C)
25566	CadSNP1161	<i>Desi</i>	Ca_Desig_Chr02	7471326	(T/C)
25567	CadSNP1162	<i>Desi</i>	Ca_Desig_Chr02	7471357	(T/C)
25568	CadSNP1163	<i>Desi</i>	Ca_Desig_Chr02	7585941	(G/A)
25569	CadSNP1164	<i>Desi</i>	Ca_Desig_Chr02	7610221	(T/C)
25570	CadSNP1165	<i>Desi</i>	Ca_Desig_Chr02	7610503	(T/C)
25571	CadSNP1166	<i>Desi</i>	Ca_Desig_Chr02	7630044	(G/A)
25572	CadSNP1167	<i>Desi</i>	Ca_Desig_Chr02	7659346	(C/T)
25573	CadSNP1168	<i>Desi</i>	Ca_Desig_Chr02	7659312	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25574	CadSNP1169	<i>Desi</i>	Ca_Desig_Chr02	7659401	(C/T)
25575	CadSNP1170	<i>Desi</i>	Ca_Desig_Chr02	7659625	(T/C)
25576	CadSNP1171	<i>Desi</i>	Ca_Desig_Chr02	7675697	(A/G)
25577	CadSNP1172	<i>Desi</i>	Ca_Desig_Chr02	7697803	(G/C)
25578	CadSNP1173	<i>Desi</i>	Ca_Desig_Chr02	7708782	(G/A)
25579	CadSNP1174	<i>Desi</i>	Ca_Desig_Chr02	7708761	(C/T)
25580	CadSNP1175	<i>Desi</i>	Ca_Desig_Chr02	7708760	(A/C)
25581	CadSNP1176	<i>Desi</i>	Ca_Desig_Chr02	7708749	(G/A)
25582	CadSNP1177	<i>Desi</i>	Ca_Desig_Chr02	7708765	(A/C)
25583	CadSNP1178	<i>Desi</i>	Ca_Desig_Chr02	7709532	(C/T)
25584	CadSNP1179	<i>Desi</i>	Ca_Desig_Chr02	7709745	(A/G)
25585	CadSNP1180	<i>Desi</i>	Ca_Desig_Chr02	7709743	(A/G)
25586	CadSNP1181	<i>Desi</i>	Ca_Desig_Chr02	7728470	(C/G)
25587	CadSNP1182	<i>Desi</i>	Ca_Desig_Chr02	7728474	(A/G)
25588	CadSNP1183	<i>Desi</i>	Ca_Desig_Chr02	7813999	(C/A)
25589	CadSNP1184	<i>Desi</i>	Ca_Desig_Chr02	7813998	(T/A)
25590	CadSNP1185	<i>Desi</i>	Ca_Desig_Chr02	7869084	(A/C)
25591	CadSNP1186	<i>Desi</i>	Ca_Desig_Chr02	7875419	(A/G)
25592	CadSNP1187	<i>Desi</i>	Ca_Desig_Chr02	7894116	(C/T)
25593	CadSNP1188	<i>Desi</i>	Ca_Desig_Chr02	7897881	(C/A)
25594	CadSNP1189	<i>Desi</i>	Ca_Desig_Chr02	7944911	(T/C)
25595	CadSNP1190	<i>Desi</i>	Ca_Desig_Chr02	7956738	(T/C)
25596	CadSNP1191	<i>Desi</i>	Ca_Desig_Chr02	7958321	(A/C)
25597	CadSNP1192	<i>Desi</i>	Ca_Desig_Chr02	7958494	(C/T)
25598	CadSNP1193	<i>Desi</i>	Ca_Desig_Chr02	7958522	(A/G)
25599	CadSNP1194	<i>Desi</i>	Ca_Desig_Chr02	7958529	(T/A)
25600	CadSNP1195	<i>Desi</i>	Ca_Desig_Chr02	7960966	(A/T)
25601	CadSNP1196	<i>Desi</i>	Ca_Desig_Chr02	8013247	(C/T)
25602	CadSNP1197	<i>Desi</i>	Ca_Desig_Chr02	8037211	(C/A)
25603	CadSNP1198	<i>Desi</i>	Ca_Desig_Chr02	8065988	(C/A)
25604	CadSNP1199	<i>Desi</i>	Ca_Desig_Chr02	8073314	(G/A)
25605	CadSNP1200	<i>Desi</i>	Ca_Desig_Chr02	8113745	(G/T)
25606	CadSNP1201	<i>Desi</i>	Ca_Desig_Chr02	8113738	(C/T)
25607	CadSNP1202	<i>Desi</i>	Ca_Desig_Chr02	8113723	(C/T)
25608	CadSNP1203	<i>Desi</i>	Ca_Desig_Chr02	8113708	(T/G)
25609	CadSNP1204	<i>Desi</i>	Ca_Desig_Chr02	8113696	(C/G)
25610	CadSNP1205	<i>Desi</i>	Ca_Desig_Chr02	8149881	(T/G)
25611	CadSNP1206	<i>Desi</i>	Ca_Desig_Chr02	8160645	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25612	CadSNP1207	<i>Desi</i>	Ca_Desig_Chr02	8160750	(G/A)
25613	CadSNP1208	<i>Desi</i>	Ca_Desig_Chr02	8160737	(A/C)
25614	CadSNP1209	<i>Desi</i>	Ca_Desig_Chr02	8160733	(C/T)
25615	CadSNP1210	<i>Desi</i>	Ca_Desig_Chr02	8167177	(A/C)
25616	CadSNP1211	<i>Desi</i>	Ca_Desig_Chr02	8167702	(T/C)
25617	CadSNP1212	<i>Desi</i>	Ca_Desig_Chr02	8167708	(C/T)
25618	CadSNP1213	<i>Desi</i>	Ca_Desig_Chr02	8167709	(C/T)
25619	CadSNP1214	<i>Desi</i>	Ca_Desig_Chr02	8167714	(A/G)
25620	CadSNP1215	<i>Desi</i>	Ca_Desig_Chr02	8167719	(T/C)
25621	CadSNP1216	<i>Desi</i>	Ca_Desig_Chr02	8167720	(G/A)
25622	CadSNP1217	<i>Desi</i>	Ca_Desig_Chr02	8167721	(A/C)
25623	CadSNP1218	<i>Desi</i>	Ca_Desig_Chr02	8167724	(C/T)
25624	CadSNP1219	<i>Desi</i>	Ca_Desig_Chr02	8167729	(A/G)
25625	CadSNP1220	<i>Desi</i>	Ca_Desig_Chr02	8167735	(G/A)
25626	CadSNP1221	<i>Desi</i>	Ca_Desig_Chr02	8167740	(C/A)
25627	CadSNP1222	<i>Desi</i>	Ca_Desig_Chr02	8167744	(G/A)
25628	CadSNP1223	<i>Desi</i>	Ca_Desig_Chr02	8167753	(G/A)
25629	CadSNP1224	<i>Desi</i>	Ca_Desig_Chr02	8167754	(A/T)
25630	CadSNP1225	<i>Desi</i>	Ca_Desig_Chr02	8167759	(C/G)
25631	CadSNP1226	<i>Desi</i>	Ca_Desig_Chr02	8167760	(C/G)
25632	CadSNP1227	<i>Desi</i>	Ca_Desig_Chr02	8167764	(G/A)
25633	CadSNP1228	<i>Desi</i>	Ca_Desig_Chr02	8174448	(G/A)
25634	CadSNP1229	<i>Desi</i>	Ca_Desig_Chr02	8174458	(C/T)
25635	CadSNP1230	<i>Desi</i>	Ca_Desig_Chr02	8234099	(A/C)
25636	CadSNP1231	<i>Desi</i>	Ca_Desig_Chr02	8294583	(T/C)
25637	CadSNP1232	<i>Desi</i>	Ca_Desig_Chr02	8294721	(C/A)
25638	CadSNP1233	<i>Desi</i>	Ca_Desig_Chr02	8294715	(C/T)
25639	CadSNP1234	<i>Desi</i>	Ca_Desig_Chr02	8294709	(C/T)
25640	CadSNP1235	<i>Desi</i>	Ca_Desig_Chr02	8294706	(C/T)
25641	CadSNP1236	<i>Desi</i>	Ca_Desig_Chr02	8303613	(G/A)
25642	CadSNP1237	<i>Desi</i>	Ca_Desig_Chr02	8322723	(A/G)
25643	CadSNP1238	<i>Desi</i>	Ca_Desig_Chr02	8322740	(G/A)
25644	CadSNP1239	<i>Desi</i>	Ca_Desig_Chr02	8322763	(A/G)
25645	CadSNP1240	<i>Desi</i>	Ca_Desig_Chr02	8397884	(A/G)
25646	CadSNP1241	<i>Desi</i>	Ca_Desig_Chr02	8397955	(G/C)
25647	CadSNP1242	<i>Desi</i>	Ca_Desig_Chr02	8528763	(G/A)
25648	CadSNP1243	<i>Desi</i>	Ca_Desig_Chr02	8530649	(C/T)
25649	CadSNP1244	<i>Desi</i>	Ca_Desig_Chr02	9840097	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25650	CadSNP1245	<i>Desi</i>	Ca_Desig_Chr02	9840141	(C/T)
25651	CadSNP1246	<i>Desi</i>	Ca_Desig_Chr02	9845051	(A/C)
25652	CadSNP1247	<i>Desi</i>	Ca_Desig_Chr02	9861790	(A/T)
25653	CadSNP1248	<i>Desi</i>	Ca_Desig_Chr02	9861771	(A/C)
25654	CadSNP1249	<i>Desi</i>	Ca_Desig_Chr02	9864788	(G/T)
25655	CadSNP1250	<i>Desi</i>	Ca_Desig_Chr02	9873103	(A/C)
25656	CadSNP1251	<i>Desi</i>	Ca_Desig_Chr02	9873154	(C/T)
25657	CadSNP1252	<i>Desi</i>	Ca_Desig_Chr02	9886040	(C/T)
25658	CadSNP1253	<i>Desi</i>	Ca_Desig_Chr02	10091173	(T/C)
25659	CadSNP1254	<i>Desi</i>	Ca_Desig_Chr02	10091208	(C/T)
25660	CadSNP1255	<i>Desi</i>	Ca_Desig_Chr02	10091494	(T/C)
25661	CadSNP1256	<i>Desi</i>	Ca_Desig_Chr02	10091528	(A/G)
25662	CadSNP1257	<i>Desi</i>	Ca_Desig_Chr02	10091558	(A/G)
25663	CadSNP1258	<i>Desi</i>	Ca_Desig_Chr02	10091566	(C/A)
25664	CadSNP1259	<i>Desi</i>	Ca_Desig_Chr02	10208337	(T/G)
25665	CadSNP1260	<i>Desi</i>	Ca_Desig_Chr02	10286615	(C/G)
25666	CadSNP1261	<i>Desi</i>	Ca_Desig_Chr02	10436482	(C/T)
25667	CadSNP1262	<i>Desi</i>	Ca_Desig_Chr02	10436528	(T/C)
25668	CadSNP1263	<i>Desi</i>	Ca_Desig_Chr02	10436644	(G/T)
25669	CadSNP1264	<i>Desi</i>	Ca_Desig_Chr02	10439843	(G/A)
25670	CadSNP1265	<i>Desi</i>	Ca_Desig_Chr02	10864591	(G/A)
25671	CadSNP1266	<i>Desi</i>	Ca_Desig_Chr02	10864593	(A/T)
25672	CadSNP1267	<i>Desi</i>	Ca_Desig_Chr02	10864609	(G/A)
25673	CadSNP1268	<i>Desi</i>	Ca_Desig_Chr02	10864621	(T/A)
25674	CadSNP1269	<i>Desi</i>	Ca_Desig_Chr02	10864624	(C/T)
25675	CadSNP1270	<i>Desi</i>	Ca_Desig_Chr02	10864631	(C/T)
25676	CadSNP1271	<i>Desi</i>	Ca_Desig_Chr02	10864664	(A/G)
25677	CadSNP1272	<i>Desi</i>	Ca_Desig_Chr02	10864728	(C/A)
25678	CadSNP1273	<i>Desi</i>	Ca_Desig_Chr02	10864722	(T/C)
25679	CadSNP1274	<i>Desi</i>	Ca_Desig_Chr02	10864699	(G/A)
25680	CadSNP1275	<i>Desi</i>	Ca_Desig_Chr02	10864698	(G/A)
25681	CadSNP1276	<i>Desi</i>	Ca_Desig_Chr02	11110650	(A/T)
25682	CadSNP1277	<i>Desi</i>	Ca_Desig_Chr02	11110651	(T/C)
25683	CadSNP1278	<i>Desi</i>	Ca_Desig_Chr02	11170269	(C/T)
25684	CadSNP1279	<i>Desi</i>	Ca_Desig_Chr02	11268822	(C/T)
25685	CadSNP1280	<i>Desi</i>	Ca_Desig_Chr02	11276069	(G/A)
25686	CadSNP1281	<i>Desi</i>	Ca_Desig_Chr02	11393742	(A/G)
25687	CadSNP1282	<i>Desi</i>	Ca_Desig_Chr02	11393800	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25688	CadSNP1283	<i>Desi</i>	Ca_Desig_Chr02	11393824	(C/T)
25689	CadSNP1284	<i>Desi</i>	Ca_Desig_Chr02	11393816	(G/A)
25690	CadSNP1285	<i>Desi</i>	Ca_Desig_Chr02	11393862	(C/G)
25691	CadSNP1286	<i>Desi</i>	Ca_Desig_Chr02	11394075	(A/G)
25692	CadSNP1287	<i>Desi</i>	Ca_Desig_Chr02	11394066	(G/A)
25693	CadSNP1288	<i>Desi</i>	Ca_Desig_Chr02	11394036	(T/C)
25694	CadSNP1289	<i>Desi</i>	Ca_Desig_Chr02	11394024	(A/G)
25695	CadSNP1290	<i>Desi</i>	Ca_Desig_Chr02	11394153	(T/C)
25696	CadSNP1291	<i>Desi</i>	Ca_Desig_Chr02	11394247	(G/A)
25697	CadSNP1292	<i>Desi</i>	Ca_Desig_Chr02	11403900	(C/A)
25698	CadSNP1293	<i>Desi</i>	Ca_Desig_Chr02	11404024	(A/G)
25699	CadSNP1294	<i>Desi</i>	Ca_Desig_Chr02	11403986	(C/T)
25700	CadSNP1295	<i>Desi</i>	Ca_Desig_Chr02	11405477	(C/T)
25701	CadSNP1296	<i>Desi</i>	Ca_Desig_Chr02	11422984	(G/A)
25702	CadSNP1297	<i>Desi</i>	Ca_Desig_Chr02	11423000	(C/A)
25703	CadSNP1298	<i>Desi</i>	Ca_Desig_Chr02	11423014	(G/A)
25704	CadSNP1299	<i>Desi</i>	Ca_Desig_Chr02	11423022	(T/C)
25705	CadSNP1300	<i>Desi</i>	Ca_Desig_Chr02	11423023	(C/T)
25706	CadSNP1301	<i>Desi</i>	Ca_Desig_Chr02	11423041	(T/G)
25707	CadSNP1302	<i>Desi</i>	Ca_Desig_Chr02	11423053	(T/C)
25708	CadSNP1303	<i>Desi</i>	Ca_Desig_Chr02	11423165	(A/T)
25709	CadSNP1304	<i>Desi</i>	Ca_Desig_Chr02	11423145	(A/G)
25710	CadSNP1305	<i>Desi</i>	Ca_Desig_Chr02	11636237	(T/A)
25711	CadSNP1306	<i>Desi</i>	Ca_Desig_Chr02	11636243	(C/G)
25712	CadSNP1307	<i>Desi</i>	Ca_Desig_Chr02	11636275	(C/T)
25713	CadSNP1308	<i>Desi</i>	Ca_Desig_Chr02	11636378	(A/C)
25714	CadSNP1309	<i>Desi</i>	Ca_Desig_Chr02	11636495	(T/C)
25715	CadSNP1310	<i>Desi</i>	Ca_Desig_Chr02	11957822	(A/G)
25716	CadSNP1311	<i>Desi</i>	Ca_Desig_Chr02	11957812	(C/T)
25717	CadSNP1312	<i>Desi</i>	Ca_Desig_Chr02	11957805	(C/A)
25718	CadSNP1313	<i>Desi</i>	Ca_Desig_Chr02	11957800	(T/C)
25719	CadSNP1314	<i>Desi</i>	Ca_Desig_Chr02	11957789	(G/T)
25720	CadSNP1315	<i>Desi</i>	Ca_Desig_Chr02	11957784	(T/C)
25721	CadSNP1316	<i>Desi</i>	Ca_Desig_Chr02	11984016	(C/T)
25722	CadSNP1317	<i>Desi</i>	Ca_Desig_Chr02	11985665	(A/C)
25723	CadSNP1318	<i>Desi</i>	Ca_Desig_Chr02	11992316	(A/G)
25724	CadSNP1319	<i>Desi</i>	Ca_Desig_Chr02	12071159	(T/C)
25725	CadSNP1320	<i>Desi</i>	Ca_Desig_Chr02	12071213	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25726	CadSNP1321	<i>Desi</i>	Ca_Desig_Chr02	12072110	(A/C)
25727	CadSNP1322	<i>Desi</i>	Ca_Desig_Chr02	12357679	(A/G)
25728	CadSNP1323	<i>Desi</i>	Ca_Desig_Chr02	12462629	(C/T)
25729	CadSNP1324	<i>Desi</i>	Ca_Desig_Chr02	12462654	(G/T)
25730	CadSNP1325	<i>Desi</i>	Ca_Desig_Chr02	12490110	(G/C)
25731	CadSNP1326	<i>Desi</i>	Ca_Desig_Chr02	12490080	(A/G)
25732	CadSNP1327	<i>Desi</i>	Ca_Desig_Chr02	12490043	(G/A)
25733	CadSNP1328	<i>Desi</i>	Ca_Desig_Chr02	12518521	(G/T)
25734	CadSNP1329	<i>Desi</i>	Ca_Desig_Chr02	12560789	(T/G)
25735	CadSNP1330	<i>Desi</i>	Ca_Desig_Chr02	12726887	(A/G)
25736	CadSNP1331	<i>Desi</i>	Ca_Desig_Chr02	12729502	(C/T)
25737	CadSNP1332	<i>Desi</i>	Ca_Desig_Chr02	12737222	(G/T)
25738	CadSNP1333	<i>Desi</i>	Ca_Desig_Chr02	12760068	(C/T)
25739	CadSNP1334	<i>Desi</i>	Ca_Desig_Chr02	12797455	(A/T)
25740	CadSNP1335	<i>Desi</i>	Ca_Desig_Chr02	12802226	(C/A)
25741	CadSNP1336	<i>Desi</i>	Ca_Desig_Chr02	12802223	(T/C)
25742	CadSNP1337	<i>Desi</i>	Ca_Desig_Chr02	12802202	(G/T)
25743	CadSNP1338	<i>Desi</i>	Ca_Desig_Chr02	12827722	(C/T)
25744	CadSNP1339	<i>Desi</i>	Ca_Desig_Chr02	12827705	(A/G)
25745	CadSNP1340	<i>Desi</i>	Ca_Desig_Chr02	12830428	(A/C)
25746	CadSNP1341	<i>Desi</i>	Ca_Desig_Chr02	12985136	(G/A)
25747	CadSNP1342	<i>Desi</i>	Ca_Desig_Chr02	13036994	(G/C)
25748	CadSNP1343	<i>Desi</i>	Ca_Desig_Chr02	13036951	(A/C)
25749	CadSNP1344	<i>Desi</i>	Ca_Desig_Chr02	13039200	(T/C)
25750	CadSNP1345	<i>Desi</i>	Ca_Desig_Chr02	13039869	(C/G)
25751	CadSNP1346	<i>Desi</i>	Ca_Desig_Chr02	13040155	(C/T)
25752	CadSNP1347	<i>Desi</i>	Ca_Desig_Chr02	13100484	(A/C)
25753	CadSNP1348	<i>Desi</i>	Ca_Desig_Chr02	13122853	(T/G)
25754	CadSNP1349	<i>Desi</i>	Ca_Desig_Chr02	13127113	(T/G)
25755	CadSNP1350	<i>Desi</i>	Ca_Desig_Chr02	13147204	(A/T)
25756	CadSNP1351	<i>Desi</i>	Ca_Desig_Chr02	13162836	(T/C)
25757	CadSNP1352	<i>Desi</i>	Ca_Desig_Chr02	13162848	(G/C)
25758	CadSNP1353	<i>Desi</i>	Ca_Desig_Chr02	13178463	(T/C)
25759	CadSNP1354	<i>Desi</i>	Ca_Desig_Chr02	13260498	(G/A)
25760	CadSNP1355	<i>Desi</i>	Ca_Desig_Chr02	13331702	(A/G)
25761	CadSNP1356	<i>Desi</i>	Ca_Desig_Chr02	13379964	(A/T)
25762	CadSNP1357	<i>Desi</i>	Ca_Desig_Chr02	13421370	(C/T)
25763	CadSNP1358	<i>Desi</i>	Ca_Desig_Chr02	13572362	(G/A)

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25764	CadSNP1359	<i>Desi</i>	Ca_Desig_Chr02	13840468	(T/G)
25765	CadSNP1360	<i>Desi</i>	Ca_Desig_Chr02	13840749	(T/A)
25766	CadSNP1361	<i>Desi</i>	Ca_Desig_Chr02	13900392	(A/G)
25767	CadSNP1362	<i>Desi</i>	Ca_Desig_Chr02	13924598	(A/C)
25768	CadSNP1363	<i>Desi</i>	Ca_Desig_Chr02	13924579	(A/T)
25769	CadSNP1364	<i>Desi</i>	Ca_Desig_Chr02	14061466	(T/C)
25770	CadSNP1365	<i>Desi</i>	Ca_Desig_Chr02	14064995	(G/T)
25771	CadSNP1366	<i>Desi</i>	Ca_Desig_Chr02	14163542	(A/C)
25772	CadSNP1367	<i>Desi</i>	Ca_Desig_Chr02	14163647	(C/T)
25773	CadSNP1368	<i>Desi</i>	Ca_Desig_Chr02	14209016	(A/G)
25774	CadSNP1369	<i>Desi</i>	Ca_Desig_Chr02	14215276	(G/A)
25775	CadSNP1370	<i>Desi</i>	Ca_Desig_Chr02	14215293	(G/C)
25776	CadSNP1371	<i>Desi</i>	Ca_Desig_Chr02	14215344	(A/T)
25777	CadSNP1372	<i>Desi</i>	Ca_Desig_Chr02	14215466	(T/C)
25778	CadSNP1373	<i>Desi</i>	Ca_Desig_Chr02	14215453	(A/T)
25779	CadSNP1374	<i>Desi</i>	Ca_Desig_Chr02	14453533	(T/C)
25780	CadSNP1375	<i>Desi</i>	Ca_Desig_Chr02	14453917	(T/C)
25781	CadSNP1376	<i>Desi</i>	Ca_Desig_Chr02	14463390	(T/A)
25782	CadSNP1377	<i>Desi</i>	Ca_Desig_Chr02	14474102	(C/T)
25783	CadSNP1378	<i>Desi</i>	Ca_Desig_Chr02	14474157	(T/A)
25784	CadSNP1379	<i>Desi</i>	Ca_Desig_Chr02	14474167	(A/T)
25785	CadSNP1380	<i>Desi</i>	Ca_Desig_Chr02	14492206	(T/C)
25786	CadSNP1381	<i>Desi</i>	Ca_Desig_Chr02	14492207	(A/G)
25787	CadSNP1382	<i>Desi</i>	Ca_Desig_Chr02	14492297	(T/C)
25788	CadSNP1383	<i>Desi</i>	Ca_Desig_Chr02	14493784	(T/A)
25789	CadSNP1384	<i>Desi</i>	Ca_Desig_Chr02	14510462	(G/T)
25790	CadSNP1385	<i>Desi</i>	Ca_Desig_Chr02	14510458	(C/A)
25791	CadSNP1386	<i>Desi</i>	Ca_Desig_Chr02	14577347	(G/A)
25792	CadSNP1387	<i>Desi</i>	Ca_Desig_Chr02	14577488	(C/T)
25793	CadSNP1388	<i>Desi</i>	Ca_Desig_Chr02	14729007	(T/A)
25794	CadSNP1389	<i>Desi</i>	Ca_Desig_Chr02	14765296	(T/C)
25795	CadSNP1390	<i>Desi</i>	Ca_Desig_Chr02	14766612	(T/G)
25796	CadSNP1391	<i>Desi</i>	Ca_Desig_Chr02	14766747	(G/A)
25797	CadSNP1392	<i>Desi</i>	Ca_Desig_Chr02	14766780	(C/T)
25798	CadSNP1393	<i>Desi</i>	Ca_Desig_Chr02	14784192	(C/T)
25799	CadSNP1394	<i>Desi</i>	Ca_Desig_Chr02	14784195	(A/G)
25800	CadSNP1395	<i>Desi</i>	Ca_Desig_Chr02	14784208	(G/C)
25801	CadSNP1396	<i>Desi</i>	Ca_Desig_Chr02	14784243	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25802	CadSNP1397	<i>Desi</i>	Ca_Desig_Chr02	14784247	(G/T)
25803	CadSNP1398	<i>Desi</i>	Ca_Desig_Chr02	14811203	(A/G)
25804	CadSNP1399	<i>Desi</i>	Ca_Desig_Chr02	14861116	(A/C)
25805	CadSNP1400	<i>Desi</i>	Ca_Desig_Chr02	14861159	(T/G)
25806	CadSNP1401	<i>Desi</i>	Ca_Desig_Chr02	14978631	(T/C)
25807	CadSNP1402	<i>Desi</i>	Ca_Desig_Chr02	14978653	(C/T)
25808	CadSNP1403	<i>Desi</i>	Ca_Desig_Chr02	15006255	(C/A)
25809	CadSNP1404	<i>Desi</i>	Ca_Desig_Chr02	15006256	(G/T)
25810	CadSNP1405	<i>Desi</i>	Ca_Desig_Chr02	15014922	(C/T)
25811	CadSNP1406	<i>Desi</i>	Ca_Desig_Chr02	15222856	(C/T)
25812	CadSNP1407	<i>Desi</i>	Ca_Desig_Chr02	15279307	(A/G)
25813	CadSNP1408	<i>Desi</i>	Ca_Desig_Chr02	15284031	(T/A)
25814	CadSNP1409	<i>Desi</i>	Ca_Desig_Chr02	15313773	(A/G)
25815	CadSNP1410	<i>Desi</i>	Ca_Desig_Chr02	15318170	(C/T)
25816	CadSNP1411	<i>Desi</i>	Ca_Desig_Chr02	15318202	(A/G)
25817	CadSNP1412	<i>Desi</i>	Ca_Desig_Chr02	15391794	(T/C)
25818	CadSNP1413	<i>Desi</i>	Ca_Desig_Chr02	15392614	(C/T)
25819	CadSNP1414	<i>Desi</i>	Ca_Desig_Chr02	15392855	(T/G)
25820	CadSNP1415	<i>Desi</i>	Ca_Desig_Chr02	15427877	(G/A)
25821	CadSNP1416	<i>Desi</i>	Ca_Desig_Chr02	15438733	(A/C)
25822	CadSNP1417	<i>Desi</i>	Ca_Desig_Chr02	15470642	(C/T)
25823	CadSNP1418	<i>Desi</i>	Ca_Desig_Chr02	15488586	(G/A)
25824	CadSNP1419	<i>Desi</i>	Ca_Desig_Chr02	15488553	(C/T)
25825	CadSNP1420	<i>Desi</i>	Ca_Desig_Chr02	15502293	(T/C)
25826	CadSNP1421	<i>Desi</i>	Ca_Desig_Chr02	15510668	(C/A)
25827	CadSNP1422	<i>Desi</i>	Ca_Desig_Chr02	15510675	(G/A)
25828	CadSNP1423	<i>Desi</i>	Ca_Desig_Chr02	15526715	(G/T)
25829	CadSNP1424	<i>Desi</i>	Ca_Desig_Chr02	15526673	(G/A)
25830	CadSNP1425	<i>Desi</i>	Ca_Desig_Chr02	15526670	(C/T)
25831	CadSNP1426	<i>Desi</i>	Ca_Desig_Chr02	15551741	(T/C)
25832	CadSNP1427	<i>Desi</i>	Ca_Desig_Chr02	15551733	(A/G)
25833	CadSNP1428	<i>Desi</i>	Ca_Desig_Chr02	15575093	(A/G)
25834	CadSNP1429	<i>Desi</i>	Ca_Desig_Chr02	15575141	(A/G)
25835	CadSNP1430	<i>Desi</i>	Ca_Desig_Chr02	15627570	(T/G)
25836	CadSNP1431	<i>Desi</i>	Ca_Desig_Chr02	15653215	(A/T)
25837	CadSNP1432	<i>Desi</i>	Ca_Desig_Chr02	15656951	(C/T)
25838	CadSNP1433	<i>Desi</i>	Ca_Desig_Chr02	15671766	(C/A)
25839	CadSNP1434	<i>Desi</i>	Ca_Desig_Chr02	15677639	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25840	CadSNP1435	<i>Desi</i>	Ca_Desig_Chr02	15757574	(T/A)
25841	CadSNP1436	<i>Desi</i>	Ca_Desig_Chr02	15769880	(A/T)
25842	CadSNP1437	<i>Desi</i>	Ca_Desig_Chr02	15769883	(A/C)
25843	CadSNP1438	<i>Desi</i>	Ca_Desig_Chr02	15772497	(G/A)
25844	CadSNP1439	<i>Desi</i>	Ca_Desig_Chr02	15786439	(G/A)
25845	CadSNP1440	<i>Desi</i>	Ca_Desig_Chr02	15874395	(A/G)
25846	CadSNP1441	<i>Desi</i>	Ca_Desig_Chr02	15878454	(C/A)
25847	CadSNP1442	<i>Desi</i>	Ca_Desig_Chr02	15878469	(C/A)
25848	CadSNP1443	<i>Desi</i>	Ca_Desig_Chr02	15878472	(A/T)
25849	CadSNP1444	<i>Desi</i>	Ca_Desig_Chr02	15878509	(A/T)
25850	CadSNP1445	<i>Desi</i>	Ca_Desig_Chr02	15905306	(T/C)
25851	CadSNP1446	<i>Desi</i>	Ca_Desig_Chr02	15905388	(T/A)
25852	CadSNP1447	<i>Desi</i>	Ca_Desig_Chr02	15959857	(A/G)
25853	CadSNP1448	<i>Desi</i>	Ca_Desig_Chr02	15970026	(C/G)
25854	CadSNP1449	<i>Desi</i>	Ca_Desig_Chr02	15970055	(T/C)
25855	CadSNP1450	<i>Desi</i>	Ca_Desig_Chr02	15970076	(A/T)
25856	CadSNP1451	<i>Desi</i>	Ca_Desig_Chr02	15970077	(A/G)
25857	CadSNP1452	<i>Desi</i>	Ca_Desig_Chr02	15970117	(A/G)
25858	CadSNP1453	<i>Desi</i>	Ca_Desig_Chr02	15970114	(A/G)
25859	CadSNP1454	<i>Desi</i>	Ca_Desig_Chr02	16066784	(G/A)
25860	CadSNP1455	<i>Desi</i>	Ca_Desig_Chr02	16066788	(C/T)
25861	CadSNP1456	<i>Desi</i>	Ca_Desig_Chr02	16113340	(C/A)
25862	CadSNP1457	<i>Desi</i>	Ca_Desig_Chr02	16114802	(T/C)
25863	CadSNP1458	<i>Desi</i>	Ca_Desig_Chr02	16114821	(A/T)
25864	CadSNP1459	<i>Desi</i>	Ca_Desig_Chr02	16116122	(C/G)
25865	CadSNP1460	<i>Desi</i>	Ca_Desig_Chr02	16130330	(A/G)
25866	CadSNP1461	<i>Desi</i>	Ca_Desig_Chr02	16136692	(A/T)
25867	CadSNP1462	<i>Desi</i>	Ca_Desig_Chr02	16136703	(T/C)
25868	CadSNP1463	<i>Desi</i>	Ca_Desig_Chr02	16136908	(C/T)
25869	CadSNP1464	<i>Desi</i>	Ca_Desig_Chr02	16137005	(C/T)
25870	CadSNP1465	<i>Desi</i>	Ca_Desig_Chr02	16138793	(T/C)
25871	CadSNP1466	<i>Desi</i>	Ca_Desig_Chr02	16138943	(A/C)
25872	CadSNP1467	<i>Desi</i>	Ca_Desig_Chr02	16140958	(A/C)
25873	CadSNP1468	<i>Desi</i>	Ca_Desig_Chr02	16157597	(A/C)
25874	CadSNP1469	<i>Desi</i>	Ca_Desig_Chr02	16172626	(G/A)
25875	CadSNP1470	<i>Desi</i>	Ca_Desig_Chr02	16172603	(A/G)
25876	CadSNP1471	<i>Desi</i>	Ca_Desig_Chr02	16310713	(C/G)
25877	CadSNP1472	<i>Desi</i>	Ca_Desig_Chr02	16637277	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25878	CadSNP1473	<i>Desi</i>	Ca_Desig_Chr02	16689981	(C/T)
25879	CadSNP1474	<i>Desi</i>	Ca_Desig_Chr02	16690001	(T/G)
25880	CadSNP1475	<i>Desi</i>	Ca_Desig_Chr02	16690008	(C/T)
25881	CadSNP1476	<i>Desi</i>	Ca_Desig_Chr02	16690011	(A/T)
25882	CadSNP1477	<i>Desi</i>	Ca_Desig_Chr02	16690097	(G/A)
25883	CadSNP1478	<i>Desi</i>	Ca_Desig_Chr02	16712209	(A/G)
25884	CadSNP1479	<i>Desi</i>	Ca_Desig_Chr02	16741302	(C/T)
25885	CadSNP1480	<i>Desi</i>	Ca_Desig_Chr02	16741251	(C/T)
25886	CadSNP1481	<i>Desi</i>	Ca_Desig_Chr02	16741238	(G/T)
25887	CadSNP1482	<i>Desi</i>	Ca_Desig_Chr02	16748554	(G/T)
25888	CadSNP1483	<i>Desi</i>	Ca_Desig_Chr02	16748556	(T/G)
25889	CadSNP1484	<i>Desi</i>	Ca_Desig_Chr02	16748700	(G/A)
25890	CadSNP1485	<i>Desi</i>	Ca_Desig_Chr02	16748679	(T/A)
25891	CadSNP1486	<i>Desi</i>	Ca_Desig_Chr02	16748726	(T/A)
25892	CadSNP1487	<i>Desi</i>	Ca_Desig_Chr02	16748758	(C/A)
25893	CadSNP1488	<i>Desi</i>	Ca_Desig_Chr02	16748779	(T/A)
25894	CadSNP1489	<i>Desi</i>	Ca_Desig_Chr02	16748803	(T/G)
25895	CadSNP1490	<i>Desi</i>	Ca_Desig_Chr02	16838445	(C/G)
25896	CadSNP1491	<i>Desi</i>	Ca_Desig_Chr02	16856357	(A/C)
25897	CadSNP1492	<i>Desi</i>	Ca_Desig_Chr02	16872692	(T/G)
25898	CadSNP1493	<i>Desi</i>	Ca_Desig_Chr02	16872691	(A/T)
25899	CadSNP1494	<i>Desi</i>	Ca_Desig_Chr02	16872685	(A/G)
25900	CadSNP1495	<i>Desi</i>	Ca_Desig_Chr02	16872684	(A/T)
25901	CadSNP1496	<i>Desi</i>	Ca_Desig_Chr02	16872680	(T/A)
25902	CadSNP1497	<i>Desi</i>	Ca_Desig_Chr02	16872674	(T/C)
25903	CadSNP1498	<i>Desi</i>	Ca_Desig_Chr02	16872671	(A/G)
25904	CadSNP1499	<i>Desi</i>	Ca_Desig_Chr02	16872665	(T/A)
25905	CadSNP1500	<i>Desi</i>	Ca_Desig_Chr02	16872659	(T/C)
25906	CadSNP1501	<i>Desi</i>	Ca_Desig_Chr02	16872657	(C/T)
25907	CadSNP1502	<i>Desi</i>	Ca_Desig_Chr02	16872653	(C/T)
25908	CadSNP1503	<i>Desi</i>	Ca_Desig_Chr02	16954914	(G/A)
25909	CadSNP1504	<i>Desi</i>	Ca_Desig_Chr02	17060800	(T/C)
25910	CadSNP1505	<i>Desi</i>	Ca_Desig_Chr02	17063464	(G/C)
25911	CadSNP1506	<i>Desi</i>	Ca_Desig_Chr02	17063468	(T/C)
25912	CadSNP1507	<i>Desi</i>	Ca_Desig_Chr02	17167481	(A/G)
25913	CadSNP1508	<i>Desi</i>	Ca_Desig_Chr02	17184026	(C/T)
25914	CadSNP1509	<i>Desi</i>	Ca_Desig_Chr02	17187208	(T/C)
25915	CadSNP1510	<i>Desi</i>	Ca_Desig_Chr02	17187245	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25916	CadSNP1511	<i>Desi</i>	Ca_Desig_Chr02	17187980	(C/A)
25917	CadSNP1512	<i>Desi</i>	Ca_Desig_Chr03	44873	(T/G)
25918	CadSNP1513	<i>Desi</i>	Ca_Desig_Chr03	44877	(T/C)
25919	CadSNP1514	<i>Desi</i>	Ca_Desig_Chr03	45008	(C/T)
25920	CadSNP1515	<i>Desi</i>	Ca_Desig_Chr03	45009	(C/A)
25921	CadSNP1516	<i>Desi</i>	Ca_Desig_Chr03	45013	(G/A)
25922	CadSNP1517	<i>Desi</i>	Ca_Desig_Chr03	76445	(G/A)
25923	CadSNP1518	<i>Desi</i>	Ca_Desig_Chr03	80216	(A/C)
25924	CadSNP1519	<i>Desi</i>	Ca_Desig_Chr03	126485	(T/G)
25925	CadSNP1520	<i>Desi</i>	Ca_Desig_Chr03	126527	(C/T)
25926	CadSNP1521	<i>Desi</i>	Ca_Desig_Chr03	126619	(G/A)
25927	CadSNP1522	<i>Desi</i>	Ca_Desig_Chr03	335668	(T/C)
25928	CadSNP1523	<i>Desi</i>	Ca_Desig_Chr03	347892	(C/T)
25929	CadSNP1524	<i>Desi</i>	Ca_Desig_Chr03	347865	(C/A)
25930	CadSNP1525	<i>Desi</i>	Ca_Desig_Chr03	645024	(A/C)
25931	CadSNP1526	<i>Desi</i>	Ca_Desig_Chr03	669270	(C/T)
25932	CadSNP1527	<i>Desi</i>	Ca_Desig_Chr03	684601	(T/C)
25933	CadSNP1528	<i>Desi</i>	Ca_Desig_Chr03	684572	(G/A)
25934	CadSNP1529	<i>Desi</i>	Ca_Desig_Chr03	690339	(G/A)
25935	CadSNP1530	<i>Desi</i>	Ca_Desig_Chr03	690372	(G/C)
25936	CadSNP1531	<i>Desi</i>	Ca_Desig_Chr03	691472	(C/T)
25937	CadSNP1532	<i>Desi</i>	Ca_Desig_Chr03	693294	(G/A)
25938	CadSNP1533	<i>Desi</i>	Ca_Desig_Chr03	695497	(C/T)
25939	CadSNP1534	<i>Desi</i>	Ca_Desig_Chr03	695494	(T/A)
25940	CadSNP1535	<i>Desi</i>	Ca_Desig_Chr03	697967	(T/G)
25941	CadSNP1536	<i>Desi</i>	Ca_Desig_Chr03	698068	(G/A)
25942	CadSNP1537	<i>Desi</i>	Ca_Desig_Chr03	698170	(T/G)
25943	CadSNP1538	<i>Desi</i>	Ca_Desig_Chr03	753812	(T/G)
25944	CadSNP1539	<i>Desi</i>	Ca_Desig_Chr03	762935	(G/A)
25945	CadSNP1540	<i>Desi</i>	Ca_Desig_Chr03	768344	(G/A)
25946	CadSNP1541	<i>Desi</i>	Ca_Desig_Chr03	768325	(C/G)
25947	CadSNP1542	<i>Desi</i>	Ca_Desig_Chr03	768323	(A/T)
25948	CadSNP1543	<i>Desi</i>	Ca_Desig_Chr03	782934	(C/T)
25949	CadSNP1544	<i>Desi</i>	Ca_Desig_Chr03	786406	(A/G)
25950	CadSNP1545	<i>Desi</i>	Ca_Desig_Chr03	854698	(C/T)
25951	CadSNP1546	<i>Desi</i>	Ca_Desig_Chr03	954899	(T/C)
25952	CadSNP1547	<i>Desi</i>	Ca_Desig_Chr03	993205	(A/G)
25953	CadSNP1548	<i>Desi</i>	Ca_Desig_Chr03	993204	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25954	CadSNP1549	<i>Desi</i>	Ca_Desig_Chr03	993159	(C/T)
25955	CadSNP1550	<i>Desi</i>	Ca_Desig_Chr03	1000520	(T/G)
25956	CadSNP1551	<i>Desi</i>	Ca_Desig_Chr03	1001326	(A/G)
25957	CadSNP1552	<i>Desi</i>	Ca_Desig_Chr03	1006408	(C/T)
25958	CadSNP1553	<i>Desi</i>	Ca_Desig_Chr03	1009680	(A/C)
25959	CadSNP1554	<i>Desi</i>	Ca_Desig_Chr03	1037187	(A/G)
25960	CadSNP1555	<i>Desi</i>	Ca_Desig_Chr03	1132867	(G/A)
25961	CadSNP1556	<i>Desi</i>	Ca_Desig_Chr03	1138482	(A/G)
25962	CadSNP1557	<i>Desi</i>	Ca_Desig_Chr03	1142176	(T/C)
25963	CadSNP1558	<i>Desi</i>	Ca_Desig_Chr03	1142293	(C/A)
25964	CadSNP1559	<i>Desi</i>	Ca_Desig_Chr03	1146163	(T/C)
25965	CadSNP1560	<i>Desi</i>	Ca_Desig_Chr03	1147189	(C/T)
25966	CadSNP1561	<i>Desi</i>	Ca_Desig_Chr03	1148157	(G/T)
25967	CadSNP1562	<i>Desi</i>	Ca_Desig_Chr03	1148176	(T/G)
25968	CadSNP1563	<i>Desi</i>	Ca_Desig_Chr03	1148257	(A/G)
25969	CadSNP1564	<i>Desi</i>	Ca_Desig_Chr03	1148353	(A/C)
25970	CadSNP1565	<i>Desi</i>	Ca_Desig_Chr03	1156273	(T/C)
25971	CadSNP1566	<i>Desi</i>	Ca_Desig_Chr03	1156347	(G/C)
25972	CadSNP1567	<i>Desi</i>	Ca_Desig_Chr03	1198705	(A/C)
25973	CadSNP1568	<i>Desi</i>	Ca_Desig_Chr03	1198729	(T/C)
25974	CadSNP1569	<i>Desi</i>	Ca_Desig_Chr03	1198799	(T/A)
25975	CadSNP1570	<i>Desi</i>	Ca_Desig_Chr03	1199241	(C/A)
25976	CadSNP1571	<i>Desi</i>	Ca_Desig_Chr03	1205701	(A/G)
25977	CadSNP1572	<i>Desi</i>	Ca_Desig_Chr03	1205850	(A/T)
25978	CadSNP1573	<i>Desi</i>	Ca_Desig_Chr03	1205847	(G/C)
25979	CadSNP1574	<i>Desi</i>	Ca_Desig_Chr03	1205826	(T/G)
25980	CadSNP1575	<i>Desi</i>	Ca_Desig_Chr03	1205824	(T/A)
25981	CadSNP1576	<i>Desi</i>	Ca_Desig_Chr03	1205811	(T/A)
25982	CadSNP1577	<i>Desi</i>	Ca_Desig_Chr03	1205789	(A/C)
25983	CadSNP1578	<i>Desi</i>	Ca_Desig_Chr03	1208905	(A/G)
25984	CadSNP1579	<i>Desi</i>	Ca_Desig_Chr03	1208869	(T/C)
25985	CadSNP1580	<i>Desi</i>	Ca_Desig_Chr03	1223420	(C/A)
25986	CadSNP1581	<i>Desi</i>	Ca_Desig_Chr03	1228195	(A/G)
25987	CadSNP1582	<i>Desi</i>	Ca_Desig_Chr03	1228218	(T/C)
25988	CadSNP1583	<i>Desi</i>	Ca_Desig_Chr03	1228231	(A/C)
25989	CadSNP1584	<i>Desi</i>	Ca_Desig_Chr03	1233409	(A/C)
25990	CadSNP1585	<i>Desi</i>	Ca_Desig_Chr03	1255515	(C/T)
25991	CadSNP1586	<i>Desi</i>	Ca_Desig_Chr03	1267770	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
25992	CadSNP1587	<i>Desi</i>	Ca_Desig_Chr03	1286463	(T/C)
25993	CadSNP1588	<i>Desi</i>	Ca_Desig_Chr03	1286513	(G/A)
25994	CadSNP1589	<i>Desi</i>	Ca_Desig_Chr03	1298429	(G/T)
25995	CadSNP1590	<i>Desi</i>	Ca_Desig_Chr03	1298524	(G/A)
25996	CadSNP1591	<i>Desi</i>	Ca_Desig_Chr03	1298497	(C/T)
25997	CadSNP1592	<i>Desi</i>	Ca_Desig_Chr03	1298488	(A/G)
25998	CadSNP1593	<i>Desi</i>	Ca_Desig_Chr03	1348788	(C/G)
25999	CadSNP1594	<i>Desi</i>	Ca_Desig_Chr03	1348911	(T/C)
26000	CadSNP1595	<i>Desi</i>	Ca_Desig_Chr03	1392395	(A/G)
26001	CadSNP1596	<i>Desi</i>	Ca_Desig_Chr03	1404434	(T/A)
26002	CadSNP1597	<i>Desi</i>	Ca_Desig_Chr03	1404499	(A/G)
26003	CadSNP1598	<i>Desi</i>	Ca_Desig_Chr03	1414321	(A/G)
26004	CadSNP1599	<i>Desi</i>	Ca_Desig_Chr03	1416925	(C/T)
26005	CadSNP1600	<i>Desi</i>	Ca_Desig_Chr03	1416904	(T/A)
26006	CadSNP1601	<i>Desi</i>	Ca_Desig_Chr03	1416895	(A/T)
26007	CadSNP1602	<i>Desi</i>	Ca_Desig_Chr03	1427742	(C/T)
26008	CadSNP1603	<i>Desi</i>	Ca_Desig_Chr03	1427752	(C/T)
26009	CadSNP1604	<i>Desi</i>	Ca_Desig_Chr03	1427760	(A/G)
26010	CadSNP1605	<i>Desi</i>	Ca_Desig_Chr03	1427788	(C/T)
26011	CadSNP1606	<i>Desi</i>	Ca_Desig_Chr03	1427793	(G/A)
26012	CadSNP1607	<i>Desi</i>	Ca_Desig_Chr03	1427796	(A/G)
26013	CadSNP1608	<i>Desi</i>	Ca_Desig_Chr03	1427799	(T/C)
26014	CadSNP1609	<i>Desi</i>	Ca_Desig_Chr03	1427811	(A/T)
26015	CadSNP1610	<i>Desi</i>	Ca_Desig_Chr03	1427822	(A/T)
26016	CadSNP1611	<i>Desi</i>	Ca_Desig_Chr03	1427904	(A/G)
26017	CadSNP1612	<i>Desi</i>	Ca_Desig_Chr03	1427901	(A/T)
26018	CadSNP1613	<i>Desi</i>	Ca_Desig_Chr03	1427892	(A/T)
26019	CadSNP1614	<i>Desi</i>	Ca_Desig_Chr03	1427874	(T/C)
26020	CadSNP1615	<i>Desi</i>	Ca_Desig_Chr03	1427865	(T/C)
26021	CadSNP1616	<i>Desi</i>	Ca_Desig_Chr03	1427862	(T/A)
26022	CadSNP1617	<i>Desi</i>	Ca_Desig_Chr03	1427850	(A/G)
26023	CadSNP1618	<i>Desi</i>	Ca_Desig_Chr03	1427826	(T/C)
26024	CadSNP1619	<i>Desi</i>	Ca_Desig_Chr03	1427905	(T/C)
26025	CadSNP1620	<i>Desi</i>	Ca_Desig_Chr03	1463047	(A/G)
26026	CadSNP1621	<i>Desi</i>	Ca_Desig_Chr03	1503173	(A/T)
26027	CadSNP1622	<i>Desi</i>	Ca_Desig_Chr03	1516868	(C/A)
26028	CadSNP1623	<i>Desi</i>	Ca_Desig_Chr03	1533891	(A/C)
26029	CadSNP1624	<i>Desi</i>	Ca_Desig_Chr03	1536663	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26030	CadSNP1625	<i>Desi</i>	Ca_Desig_Chr03	1536675	(G/A)
26031	CadSNP1626	<i>Desi</i>	Ca_Desig_Chr03	1536708	(A/G)
26032	CadSNP1627	<i>Desi</i>	Ca_Desig_Chr03	1536748	(A/G)
26033	CadSNP1628	<i>Desi</i>	Ca_Desig_Chr03	1536750	(A/G)
26034	CadSNP1629	<i>Desi</i>	Ca_Desig_Chr03	1536753	(C/T)
26035	CadSNP1630	<i>Desi</i>	Ca_Desig_Chr03	1536804	(A/T)
26036	CadSNP1631	<i>Desi</i>	Ca_Desig_Chr03	1554464	(T/C)
26037	CadSNP1632	<i>Desi</i>	Ca_Desig_Chr03	1554518	(T/C)
26038	CadSNP1633	<i>Desi</i>	Ca_Desig_Chr03	1554578	(C/T)
26039	CadSNP1634	<i>Desi</i>	Ca_Desig_Chr03	1633031	(T/A)
26040	CadSNP1635	<i>Desi</i>	Ca_Desig_Chr03	1659975	(A/G)
26041	CadSNP1636	<i>Desi</i>	Ca_Desig_Chr03	1667821	(C/T)
26042	CadSNP1637	<i>Desi</i>	Ca_Desig_Chr03	1670337	(C/T)
26043	CadSNP1638	<i>Desi</i>	Ca_Desig_Chr03	1686934	(G/C)
26044	CadSNP1639	<i>Desi</i>	Ca_Desig_Chr03	1686974	(G/A)
26045	CadSNP1640	<i>Desi</i>	Ca_Desig_Chr03	2660813	(A/G)
26046	CadSNP1641	<i>Desi</i>	Ca_Desig_Chr03	2660782	(C/T)
26047	CadSNP1642	<i>Desi</i>	Ca_Desig_Chr03	2672499	(G/A)
26048	CadSNP1643	<i>Desi</i>	Ca_Desig_Chr03	2674284	(T/A)
26049	CadSNP1644	<i>Desi</i>	Ca_Desig_Chr03	2674302	(A/G)
26050	CadSNP1645	<i>Desi</i>	Ca_Desig_Chr03	2674439	(A/C)
26051	CadSNP1646	<i>Desi</i>	Ca_Desig_Chr03	2679323	(A/G)
26052	CadSNP1647	<i>Desi</i>	Ca_Desig_Chr03	2683637	(T/G)
26053	CadSNP1648	<i>Desi</i>	Ca_Desig_Chr03	2693535	(C/G)
26054	CadSNP1649	<i>Desi</i>	Ca_Desig_Chr03	2693537	(C/T)
26055	CadSNP1650	<i>Desi</i>	Ca_Desig_Chr03	2700887	(T/C)
26056	CadSNP1651	<i>Desi</i>	Ca_Desig_Chr03	2713239	(T/A)
26057	CadSNP1652	<i>Desi</i>	Ca_Desig_Chr03	2713248	(A/C)
26058	CadSNP1653	<i>Desi</i>	Ca_Desig_Chr03	2716549	(G/A)
26059	CadSNP1654	<i>Desi</i>	Ca_Desig_Chr03	2718128	(G/C)
26060	CadSNP1655	<i>Desi</i>	Ca_Desig_Chr03	2718129	(G/A)
26061	CadSNP1656	<i>Desi</i>	Ca_Desig_Chr03	2718182	(A/T)
26062	CadSNP1657	<i>Desi</i>	Ca_Desig_Chr03	2725750	(A/G)
26063	CadSNP1658	<i>Desi</i>	Ca_Desig_Chr03	2729400	(A/G)
26064	CadSNP1659	<i>Desi</i>	Ca_Desig_Chr03	2737288	(T/C)
26065	CadSNP1660	<i>Desi</i>	Ca_Desig_Chr03	2754108	(C/T)
26066	CadSNP1661	<i>Desi</i>	Ca_Desig_Chr03	2754162	(C/G)
26067	CadSNP1662	<i>Desi</i>	Ca_Desig_Chr03	2758011	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26068	CadSNP1663	<i>Desi</i>	Ca_Desig_Chr03	2758003	(A/C)
26069	CadSNP1664	<i>Desi</i>	Ca_Desig_Chr03	2787196	(C/G)
26070	CadSNP1665	<i>Desi</i>	Ca_Desig_Chr03	2787283	(G/C)
26071	CadSNP1666	<i>Desi</i>	Ca_Desig_Chr03	2787268	(T/C)
26072	CadSNP1667	<i>Desi</i>	Ca_Desig_Chr03	2787355	(G/C)
26073	CadSNP1668	<i>Desi</i>	Ca_Desig_Chr03	2793058	(G/A)
26074	CadSNP1669	<i>Desi</i>	Ca_Desig_Chr03	2795523	(C/T)
26075	CadSNP1670	<i>Desi</i>	Ca_Desig_Chr03	2799304	(T/C)
26076	CadSNP1671	<i>Desi</i>	Ca_Desig_Chr03	2803750	(A/G)
26077	CadSNP1672	<i>Desi</i>	Ca_Desig_Chr03	2812122	(G/A)
26078	CadSNP1673	<i>Desi</i>	Ca_Desig_Chr03	2814757	(A/G)
26079	CadSNP1674	<i>Desi</i>	Ca_Desig_Chr03	2814908	(G/A)
26080	CadSNP1675	<i>Desi</i>	Ca_Desig_Chr03	2840621	(G/A)
26081	CadSNP1676	<i>Desi</i>	Ca_Desig_Chr03	2873563	(G/T)
26082	CadSNP1677	<i>Desi</i>	Ca_Desig_Chr03	2920219	(A/G)
26083	CadSNP1678	<i>Desi</i>	Ca_Desig_Chr03	2920379	(G/A)
26084	CadSNP1679	<i>Desi</i>	Ca_Desig_Chr03	2953036	(C/T)
26085	CadSNP1680	<i>Desi</i>	Ca_Desig_Chr03	2986236	(C/T)
26086	CadSNP1681	<i>Desi</i>	Ca_Desig_Chr03	2986233	(T/C)
26087	CadSNP1682	<i>Desi</i>	Ca_Desig_Chr03	2991036	(A/C)
26088	CadSNP1683	<i>Desi</i>	Ca_Desig_Chr03	3002455	(A/C)
26089	CadSNP1684	<i>Desi</i>	Ca_Desig_Chr03	3015825	(A/G)
26090	CadSNP1685	<i>Desi</i>	Ca_Desig_Chr03	3015816	(A/G)
26091	CadSNP1686	<i>Desi</i>	Ca_Desig_Chr03	3048193	(C/T)
26092	CadSNP1687	<i>Desi</i>	Ca_Desig_Chr03	3048229	(T/C)
26093	CadSNP1688	<i>Desi</i>	Ca_Desig_Chr03	3130784	(G/T)
26094	CadSNP1689	<i>Desi</i>	Ca_Desig_Chr03	3179253	(C/T)
26095	CadSNP1690	<i>Desi</i>	Ca_Desig_Chr03	3187918	(A/T)
26096	CadSNP1691	<i>Desi</i>	Ca_Desig_Chr03	3218964	(A/G)
26097	CadSNP1692	<i>Desi</i>	Ca_Desig_Chr03	3224433	(T/C)
26098	CadSNP1693	<i>Desi</i>	Ca_Desig_Chr03	3254955	(C/T)
26099	CadSNP1694	<i>Desi</i>	Ca_Desig_Chr03	3255060	(C/T)
26100	CadSNP1695	<i>Desi</i>	Ca_Desig_Chr03	3255029	(C/T)
26101	CadSNP1696	<i>Desi</i>	Ca_Desig_Chr03	3267987	(T/G)
26102	CadSNP1697	<i>Desi</i>	Ca_Desig_Chr03	3295800	(T/A)
26103	CadSNP1698	<i>Desi</i>	Ca_Desig_Chr03	3333129	(A/G)
26104	CadSNP1699	<i>Desi</i>	Ca_Desig_Chr03	3398702	(A/G)
26105	CadSNP1700	<i>Desi</i>	Ca_Desig_Chr03	3398708	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26106	CadSNP1701	<i>Desi</i>	Ca_Desig_Chr03	3404200	(C/A)
26107	CadSNP1702	<i>Desi</i>	Ca_Desig_Chr03	3424969	(T/C)
26108	CadSNP1703	<i>Desi</i>	Ca_Desig_Chr03	3427256	(G/T)
26109	CadSNP1704	<i>Desi</i>	Ca_Desig_Chr03	3455564	(G/A)
26110	CadSNP1705	<i>Desi</i>	Ca_Desig_Chr03	3479333	(A/C)
26111	CadSNP1706	<i>Desi</i>	Ca_Desig_Chr03	3488455	(C/A)
26112	CadSNP1707	<i>Desi</i>	Ca_Desig_Chr03	3493823	(T/G)
26113	CadSNP1708	<i>Desi</i>	Ca_Desig_Chr03	3493826	(C/T)
26114	CadSNP1709	<i>Desi</i>	Ca_Desig_Chr03	3493840	(G/C)
26115	CadSNP1710	<i>Desi</i>	Ca_Desig_Chr03	3495518	(T/A)
26116	CadSNP1711	<i>Desi</i>	Ca_Desig_Chr03	3495509	(T/C)
26117	CadSNP1712	<i>Desi</i>	Ca_Desig_Chr03	3495557	(A/G)
26118	CadSNP1713	<i>Desi</i>	Ca_Desig_Chr03	3512869	(A/G)
26119	CadSNP1714	<i>Desi</i>	Ca_Desig_Chr03	3523403	(T/C)
26120	CadSNP1715	<i>Desi</i>	Ca_Desig_Chr03	3523411	(T/A)
26121	CadSNP1716	<i>Desi</i>	Ca_Desig_Chr03	3524914	(A/G)
26122	CadSNP1717	<i>Desi</i>	Ca_Desig_Chr03	3524855	(T/C)
26123	CadSNP1718	<i>Desi</i>	Ca_Desig_Chr03	3524842	(C/T)
26124	CadSNP1719	<i>Desi</i>	Ca_Desig_Chr03	3538547	(C/A)
26125	CadSNP1720	<i>Desi</i>	Ca_Desig_Chr03	3567295	(T/C)
26126	CadSNP1721	<i>Desi</i>	Ca_Desig_Chr03	3567298	(C/T)
26127	CadSNP1722	<i>Desi</i>	Ca_Desig_Chr03	3567301	(C/T)
26128	CadSNP1723	<i>Desi</i>	Ca_Desig_Chr03	3567305	(C/T)
26129	CadSNP1724	<i>Desi</i>	Ca_Desig_Chr03	3567444	(C/T)
26130	CadSNP1725	<i>Desi</i>	Ca_Desig_Chr03	3576516	(C/T)
26131	CadSNP1726	<i>Desi</i>	Ca_Desig_Chr03	3576517	(T/C)
26132	CadSNP1727	<i>Desi</i>	Ca_Desig_Chr03	3576686	(A/G)
26133	CadSNP1728	<i>Desi</i>	Ca_Desig_Chr03	3580883	(T/C)
26134	CadSNP1729	<i>Desi</i>	Ca_Desig_Chr03	3593781	(T/C)
26135	CadSNP1730	<i>Desi</i>	Ca_Desig_Chr03	3593776	(A/G)
26136	CadSNP1731	<i>Desi</i>	Ca_Desig_Chr03	3609578	(C/T)
26137	CadSNP1732	<i>Desi</i>	Ca_Desig_Chr03	3621996	(T/C)
26138	CadSNP1733	<i>Desi</i>	Ca_Desig_Chr03	3630551	(A/G)
26139	CadSNP1734	<i>Desi</i>	Ca_Desig_Chr03	3631362	(C/T)
26140	CadSNP1735	<i>Desi</i>	Ca_Desig_Chr03	3713712	(C/G)
26141	CadSNP1736	<i>Desi</i>	Ca_Desig_Chr03	3773822	(A/G)
26142	CadSNP1737	<i>Desi</i>	Ca_Desig_Chr03	3773865	(T/C)
26143	CadSNP1738	<i>Desi</i>	Ca_Desig_Chr03	3774007	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26144	CadSNP1739	<i>Desi</i>	Ca_Desig_Chr03	3794458	(A/G)
26145	CadSNP1740	<i>Desi</i>	Ca_Desig_Chr03	3860790	(G/C)
26146	CadSNP1741	<i>Desi</i>	Ca_Desig_Chr03	3860844	(G/A)
26147	CadSNP1742	<i>Desi</i>	Ca_Desig_Chr03	3861051	(C/T)
26148	CadSNP1743	<i>Desi</i>	Ca_Desig_Chr03	3884489	(A/C)
26149	CadSNP1744	<i>Desi</i>	Ca_Desig_Chr03	3884665	(C/A)
26150	CadSNP1745	<i>Desi</i>	Ca_Desig_Chr03	3913855	(G/A)
26151	CadSNP1746	<i>Desi</i>	Ca_Desig_Chr03	3946342	(G/A)
26152	CadSNP1747	<i>Desi</i>	Ca_Desig_Chr03	3946457	(G/T)
26153	CadSNP1748	<i>Desi</i>	Ca_Desig_Chr03	3967388	(G/A)
26154	CadSNP1749	<i>Desi</i>	Ca_Desig_Chr03	3967371	(G/T)
26155	CadSNP1750	<i>Desi</i>	Ca_Desig_Chr03	3973351	(C/T)
26156	CadSNP1751	<i>Desi</i>	Ca_Desig_Chr03	3973376	(T/C)
26157	CadSNP1752	<i>Desi</i>	Ca_Desig_Chr03	3973381	(A/G)
26158	CadSNP1753	<i>Desi</i>	Ca_Desig_Chr03	4015979	(G/A)
26159	CadSNP1754	<i>Desi</i>	Ca_Desig_Chr03	4016158	(C/T)
26160	CadSNP1755	<i>Desi</i>	Ca_Desig_Chr03	4016176	(A/C)
26161	CadSNP1756	<i>Desi</i>	Ca_Desig_Chr03	4019445	(T/G)
26162	CadSNP1757	<i>Desi</i>	Ca_Desig_Chr03	4019505	(T/C)
26163	CadSNP1758	<i>Desi</i>	Ca_Desig_Chr03	4039042	(A/G)
26164	CadSNP1759	<i>Desi</i>	Ca_Desig_Chr03	4053024	(G/A)
26165	CadSNP1760	<i>Desi</i>	Ca_Desig_Chr03	4085844	(A/G)
26166	CadSNP1761	<i>Desi</i>	Ca_Desig_Chr03	4086443	(T/C)
26167	CadSNP1762	<i>Desi</i>	Ca_Desig_Chr03	4086479	(C/T)
26168	CadSNP1763	<i>Desi</i>	Ca_Desig_Chr03	4087924	(T/C)
26169	CadSNP1764	<i>Desi</i>	Ca_Desig_Chr03	4087934	(C/A)
26170	CadSNP1765	<i>Desi</i>	Ca_Desig_Chr03	4098735	(T/A)
26171	CadSNP1766	<i>Desi</i>	Ca_Desig_Chr03	4098784	(C/A)
26172	CadSNP1767	<i>Desi</i>	Ca_Desig_Chr03	4100611	(T/C)
26173	CadSNP1768	<i>Desi</i>	Ca_Desig_Chr03	4100608	(C/T)
26174	CadSNP1769	<i>Desi</i>	Ca_Desig_Chr03	4100572	(C/T)
26175	CadSNP1770	<i>Desi</i>	Ca_Desig_Chr03	4100651	(C/T)
26176	CadSNP1771	<i>Desi</i>	Ca_Desig_Chr03	4100710	(C/T)
26177	CadSNP1772	<i>Desi</i>	Ca_Desig_Chr03	4100757	(T/G)
26178	CadSNP1773	<i>Desi</i>	Ca_Desig_Chr03	4100741	(G/A)
26179	CadSNP1774	<i>Desi</i>	Ca_Desig_Chr03	4100725	(A/T)
26180	CadSNP1775	<i>Desi</i>	Ca_Desig_Chr03	4118888	(G/A)
26181	CadSNP1776	<i>Desi</i>	Ca_Desig_Chr03	4118883	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26182	CadSNP1777	<i>Desi</i>	Ca_Desig_Chr03	4133177	(T/G)
26183	CadSNP1778	<i>Desi</i>	Ca_Desig_Chr03	4133180	(T/C)
26184	CadSNP1779	<i>Desi</i>	Ca_Desig_Chr03	4134312	(C/G)
26185	CadSNP1780	<i>Desi</i>	Ca_Desig_Chr03	4135452	(G/T)
26186	CadSNP1781	<i>Desi</i>	Ca_Desig_Chr03	4143474	(G/A)
26187	CadSNP1782	<i>Desi</i>	Ca_Desig_Chr03	4145509	(T/C)
26188	CadSNP1783	<i>Desi</i>	Ca_Desig_Chr03	4174824	(T/G)
26189	CadSNP1784	<i>Desi</i>	Ca_Desig_Chr03	4174837	(A/G)
26190	CadSNP1785	<i>Desi</i>	Ca_Desig_Chr03	4174863	(A/G)
26191	CadSNP1786	<i>Desi</i>	Ca_Desig_Chr03	4175622	(A/C)
26192	CadSNP1787	<i>Desi</i>	Ca_Desig_Chr03	4182312	(A/T)
26193	CadSNP1788	<i>Desi</i>	Ca_Desig_Chr03	4182322	(G/A)
26194	CadSNP1789	<i>Desi</i>	Ca_Desig_Chr03	4182356	(T/A)
26195	CadSNP1790	<i>Desi</i>	Ca_Desig_Chr03	4187139	(G/A)
26196	CadSNP1791	<i>Desi</i>	Ca_Desig_Chr03	4197023	(A/T)
26197	CadSNP1792	<i>Desi</i>	Ca_Desig_Chr03	4197024	(A/T)
26198	CadSNP1793	<i>Desi</i>	Ca_Desig_Chr03	4197306	(A/G)
26199	CadSNP1794	<i>Desi</i>	Ca_Desig_Chr03	4197307	(C/T)
26200	CadSNP1795	<i>Desi</i>	Ca_Desig_Chr03	4197439	(G/A)
26201	CadSNP1796	<i>Desi</i>	Ca_Desig_Chr03	4197390	(G/T)
26202	CadSNP1797	<i>Desi</i>	Ca_Desig_Chr03	4197482	(T/A)
26203	CadSNP1798	<i>Desi</i>	Ca_Desig_Chr03	4197487	(T/A)
26204	CadSNP1799	<i>Desi</i>	Ca_Desig_Chr03	4211457	(C/T)
26205	CadSNP1800	<i>Desi</i>	Ca_Desig_Chr03	4211455	(C/T)
26206	CadSNP1801	<i>Desi</i>	Ca_Desig_Chr03	4211441	(G/T)
26207	CadSNP1802	<i>Desi</i>	Ca_Desig_Chr03	4211431	(G/C)
26208	CadSNP1803	<i>Desi</i>	Ca_Desig_Chr03	4216738	(T/C)
26209	CadSNP1804	<i>Desi</i>	Ca_Desig_Chr03	4229802	(C/A)
26210	CadSNP1805	<i>Desi</i>	Ca_Desig_Chr03	4250045	(T/G)
26211	CadSNP1806	<i>Desi</i>	Ca_Desig_Chr03	4261374	(A/G)
26212	CadSNP1807	<i>Desi</i>	Ca_Desig_Chr03	4261410	(C/T)
26213	CadSNP1808	<i>Desi</i>	Ca_Desig_Chr03	4261422	(C/T)
26214	CadSNP1809	<i>Desi</i>	Ca_Desig_Chr03	4300046	(A/G)
26215	CadSNP1810	<i>Desi</i>	Ca_Desig_Chr03	4300111	(T/C)
26216	CadSNP1811	<i>Desi</i>	Ca_Desig_Chr03	4314473	(T/C)
26217	CadSNP1812	<i>Desi</i>	Ca_Desig_Chr03	4316822	(T/A)
26218	CadSNP1813	<i>Desi</i>	Ca_Desig_Chr03	4330756	(C/T)
26219	CadSNP1814	<i>Desi</i>	Ca_Desig_Chr03	4347515	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26220	CadSNP1815	<i>Desi</i>	Ca_Desig_Chr03	4347520	(C/G)
26221	CadSNP1816	<i>Desi</i>	Ca_Desig_Chr03	4347579	(G/A)
26222	CadSNP1817	<i>Desi</i>	Ca_Desig_Chr03	4356878	(A/T)
26223	CadSNP1818	<i>Desi</i>	Ca_Desig_Chr03	4356995	(G/A)
26224	CadSNP1819	<i>Desi</i>	Ca_Desig_Chr03	4356981	(C/T)
26225	CadSNP1820	<i>Desi</i>	Ca_Desig_Chr03	4365790	(C/A)
26226	CadSNP1821	<i>Desi</i>	Ca_Desig_Chr03	4389997	(T/C)
26227	CadSNP1822	<i>Desi</i>	Ca_Desig_Chr03	4401074	(A/G)
26228	CadSNP1823	<i>Desi</i>	Ca_Desig_Chr03	4415458	(G/A)
26229	CadSNP1824	<i>Desi</i>	Ca_Desig_Chr03	4415548	(T/A)
26230	CadSNP1825	<i>Desi</i>	Ca_Desig_Chr03	4415704	(T/A)
26231	CadSNP1826	<i>Desi</i>	Ca_Desig_Chr03	4415709	(C/T)
26232	CadSNP1827	<i>Desi</i>	Ca_Desig_Chr03	4451536	(A/C)
26233	CadSNP1828	<i>Desi</i>	Ca_Desig_Chr03	4572951	(T/C)
26234	CadSNP1829	<i>Desi</i>	Ca_Desig_Chr03	4573221	(A/T)
26235	CadSNP1830	<i>Desi</i>	Ca_Desig_Chr03	4580231	(A/G)
26236	CadSNP1831	<i>Desi</i>	Ca_Desig_Chr03	4581060	(G/A)
26237	CadSNP1832	<i>Desi</i>	Ca_Desig_Chr03	4581079	(T/G)
26238	CadSNP1833	<i>Desi</i>	Ca_Desig_Chr03	4664491	(G/A)
26239	CadSNP1834	<i>Desi</i>	Ca_Desig_Chr03	4664461	(G/C)
26240	CadSNP1835	<i>Desi</i>	Ca_Desig_Chr03	4698954	(A/G)
26241	CadSNP1836	<i>Desi</i>	Ca_Desig_Chr03	4721302	(C/T)
26242	CadSNP1837	<i>Desi</i>	Ca_Desig_Chr03	4736130	(A/T)
26243	CadSNP1838	<i>Desi</i>	Ca_Desig_Chr03	4741278	(C/T)
26244	CadSNP1839	<i>Desi</i>	Ca_Desig_Chr03	4741284	(C/T)
26245	CadSNP1840	<i>Desi</i>	Ca_Desig_Chr03	4741395	(G/C)
26246	CadSNP1841	<i>Desi</i>	Ca_Desig_Chr03	4787269	(G/T)
26247	CadSNP1842	<i>Desi</i>	Ca_Desig_Chr03	4787368	(A/T)
26248	CadSNP1843	<i>Desi</i>	Ca_Desig_Chr03	4801104	(T/C)
26249	CadSNP1844	<i>Desi</i>	Ca_Desig_Chr03	4801073	(A/C)
26250	CadSNP1845	<i>Desi</i>	Ca_Desig_Chr03	5804745	(G/C)
26251	CadSNP1846	<i>Desi</i>	Ca_Desig_Chr03	5850077	(T/G)
26252	CadSNP1847	<i>Desi</i>	Ca_Desig_Chr03	5851070	(C/T)
26253	CadSNP1848	<i>Desi</i>	Ca_Desig_Chr03	5851142	(A/G)
26254	CadSNP1849	<i>Desi</i>	Ca_Desig_Chr03	5944499	(G/T)
26255	CadSNP1850	<i>Desi</i>	Ca_Desig_Chr03	5976239	(C/T)
26256	CadSNP1851	<i>Desi</i>	Ca_Desig_Chr03	5990527	(G/A)
26257	CadSNP1852	<i>Desi</i>	Ca_Desig_Chr03	5990581	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26258	CadSNP1853	<i>Desi</i>	Ca_Desig_Chr03	5990565	(T/C)
26259	CadSNP1854	<i>Desi</i>	Ca_Desig_Chr03	6018129	(A/G)
26260	CadSNP1855	<i>Desi</i>	Ca_Desig_Chr03	6019858	(T/C)
26261	CadSNP1856	<i>Desi</i>	Ca_Desig_Chr03	6027089	(A/G)
26262	CadSNP1857	<i>Desi</i>	Ca_Desig_Chr03	6078359	(A/G)
26263	CadSNP1858	<i>Desi</i>	Ca_Desig_Chr03	6078356	(A/G)
26264	CadSNP1859	<i>Desi</i>	Ca_Desig_Chr03	6078513	(C/T)
26265	CadSNP1860	<i>Desi</i>	Ca_Desig_Chr03	6078557	(A/C)
26266	CadSNP1861	<i>Desi</i>	Ca_Desig_Chr03	6109024	(T/C)
26267	CadSNP1862	<i>Desi</i>	Ca_Desig_Chr03	6108969	(T/C)
26268	CadSNP1863	<i>Desi</i>	Ca_Desig_Chr03	6119240	(G/A)
26269	CadSNP1864	<i>Desi</i>	Ca_Desig_Chr03	6119374	(G/T)
26270	CadSNP1865	<i>Desi</i>	Ca_Desig_Chr03	6119459	(G/A)
26271	CadSNP1866	<i>Desi</i>	Ca_Desig_Chr03	6120706	(C/T)
26272	CadSNP1867	<i>Desi</i>	Ca_Desig_Chr03	6139595	(C/G)
26273	CadSNP1868	<i>Desi</i>	Ca_Desig_Chr03	6139652	(A/T)
26274	CadSNP1869	<i>Desi</i>	Ca_Desig_Chr03	6172165	(G/T)
26275	CadSNP1870	<i>Desi</i>	Ca_Desig_Chr03	6172170	(A/G)
26276	CadSNP1871	<i>Desi</i>	Ca_Desig_Chr03	6172185	(G/A)
26277	CadSNP1872	<i>Desi</i>	Ca_Desig_Chr03	6172225	(A/T)
26278	CadSNP1873	<i>Desi</i>	Ca_Desig_Chr03	6172249	(G/T)
26279	CadSNP1874	<i>Desi</i>	Ca_Desig_Chr03	6172800	(C/A)
26280	CadSNP1875	<i>Desi</i>	Ca_Desig_Chr03	6172834	(T/C)
26281	CadSNP1876	<i>Desi</i>	Ca_Desig_Chr03	6195683	(A/G)
26282	CadSNP1877	<i>Desi</i>	Ca_Desig_Chr03	6260072	(T/C)
26283	CadSNP1878	<i>Desi</i>	Ca_Desig_Chr03	6260171	(C/A)
26284	CadSNP1879	<i>Desi</i>	Ca_Desig_Chr03	6262005	(C/T)
26285	CadSNP1880	<i>Desi</i>	Ca_Desig_Chr03	6295042	(T/A)
26286	CadSNP1881	<i>Desi</i>	Ca_Desig_Chr03	6330548	(C/A)
26287	CadSNP1882	<i>Desi</i>	Ca_Desig_Chr03	6330729	(C/T)
26288	CadSNP1883	<i>Desi</i>	Ca_Desig_Chr03	6330673	(A/G)
26289	CadSNP1884	<i>Desi</i>	Ca_Desig_Chr03	6390861	(A/G)
26290	CadSNP1885	<i>Desi</i>	Ca_Desig_Chr03	6390842	(C/T)
26291	CadSNP1886	<i>Desi</i>	Ca_Desig_Chr03	6390835	(C/T)
26292	CadSNP1887	<i>Desi</i>	Ca_Desig_Chr03	6392638	(G/A)
26293	CadSNP1888	<i>Desi</i>	Ca_Desig_Chr03	6408930	(C/T)
26294	CadSNP1889	<i>Desi</i>	Ca_Desig_Chr03	6434624	(T/A)
26295	CadSNP1890	<i>Desi</i>	Ca_Desig_Chr03	6434627	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26296	CadSNP1891	<i>Desi</i>	Ca_Desig_Chr03	6434644	(T/C)
26297	CadSNP1892	<i>Desi</i>	Ca_Desig_Chr03	6435914	(A/C)
26298	CadSNP1893	<i>Desi</i>	Ca_Desig_Chr03	6435907	(T/G)
26299	CadSNP1894	<i>Desi</i>	Ca_Desig_Chr03	6436024	(G/A)
26300	CadSNP1895	<i>Desi</i>	Ca_Desig_Chr03	6435997	(A/G)
26301	CadSNP1896	<i>Desi</i>	Ca_Desig_Chr03	6436085	(G/A)
26302	CadSNP1897	<i>Desi</i>	Ca_Desig_Chr03	6436108	(A/C)
26303	CadSNP1898	<i>Desi</i>	Ca_Desig_Chr03	6449814	(C/T)
26304	CadSNP1899	<i>Desi</i>	Ca_Desig_Chr03	6449896	(C/T)
26305	CadSNP1900	<i>Desi</i>	Ca_Desig_Chr03	6449881	(G/A)
26306	CadSNP1901	<i>Desi</i>	Ca_Desig_Chr03	6485692	(A/G)
26307	CadSNP1902	<i>Desi</i>	Ca_Desig_Chr03	6490909	(C/T)
26308	CadSNP1903	<i>Desi</i>	Ca_Desig_Chr03	6499799	(A/C)
26309	CadSNP1904	<i>Desi</i>	Ca_Desig_Chr03	6499971	(A/T)
26310	CadSNP1905	<i>Desi</i>	Ca_Desig_Chr03	6499977	(A/G)
26311	CadSNP1906	<i>Desi</i>	Ca_Desig_Chr03	6499989	(A/T)
26312	CadSNP1907	<i>Desi</i>	Ca_Desig_Chr03	6499995	(A/G)
26313	CadSNP1908	<i>Desi</i>	Ca_Desig_Chr03	6500010	(A/G)
26314	CadSNP1909	<i>Desi</i>	Ca_Desig_Chr03	6500013	(A/C)
26315	CadSNP1910	<i>Desi</i>	Ca_Desig_Chr03	6500019	(A/G)
26316	CadSNP1911	<i>Desi</i>	Ca_Desig_Chr03	6500028	(A/G)
26317	CadSNP1912	<i>Desi</i>	Ca_Desig_Chr03	6501197	(A/T)
26318	CadSNP1913	<i>Desi</i>	Ca_Desig_Chr03	6501233	(T/A)
26319	CadSNP1914	<i>Desi</i>	Ca_Desig_Chr03	6501239	(G/A)
26320	CadSNP1915	<i>Desi</i>	Ca_Desig_Chr03	6501241	(T/C)
26321	CadSNP1916	<i>Desi</i>	Ca_Desig_Chr03	6501247	(G/A)
26322	CadSNP1917	<i>Desi</i>	Ca_Desig_Chr03	6501251	(C/T)
26323	CadSNP1918	<i>Desi</i>	Ca_Desig_Chr03	6501259	(T/C)
26324	CadSNP1919	<i>Desi</i>	Ca_Desig_Chr03	6501274	(C/A)
26325	CadSNP1920	<i>Desi</i>	Ca_Desig_Chr03	6501442	(C/T)
26326	CadSNP1921	<i>Desi</i>	Ca_Desig_Chr03	6501440	(T/A)
26327	CadSNP1922	<i>Desi</i>	Ca_Desig_Chr03	6501431	(G/T)
26328	CadSNP1923	<i>Desi</i>	Ca_Desig_Chr03	6501428	(C/T)
26329	CadSNP1924	<i>Desi</i>	Ca_Desig_Chr03	6501410	(A/G)
26330	CadSNP1925	<i>Desi</i>	Ca_Desig_Chr03	6501383	(G/A)
26331	CadSNP1926	<i>Desi</i>	Ca_Desig_Chr03	6501376	(C/G)
26332	CadSNP1927	<i>Desi</i>	Ca_Desig_Chr03	6501371	(G/A)
26333	CadSNP1928	<i>Desi</i>	Ca_Desig_Chr03	6501368	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26334	CadSNP1929	<i>Desi</i>	Ca_Desig_Chr03	6543102	(A/G)
26335	CadSNP1930	<i>Desi</i>	Ca_Desig_Chr03	6543089	(A/T)
26336	CadSNP1931	<i>Desi</i>	Ca_Desig_Chr03	6543414	(C/T)
26337	CadSNP1932	<i>Desi</i>	Ca_Desig_Chr03	6544021	(T/A)
26338	CadSNP1933	<i>Desi</i>	Ca_Desig_Chr03	6544048	(C/T)
26339	CadSNP1934	<i>Desi</i>	Ca_Desig_Chr03	6544056	(A/G)
26340	CadSNP1935	<i>Desi</i>	Ca_Desig_Chr03	6544127	(G/A)
26341	CadSNP1936	<i>Desi</i>	Ca_Desig_Chr03	6547513	(A/G)
26342	CadSNP1937	<i>Desi</i>	Ca_Desig_Chr03	6547617	(C/A)
26343	CadSNP1938	<i>Desi</i>	Ca_Desig_Chr03	6592195	(A/G)
26344	CadSNP1939	<i>Desi</i>	Ca_Desig_Chr03	6593914	(G/A)
26345	CadSNP1940	<i>Desi</i>	Ca_Desig_Chr03	6593992	(A/G)
26346	CadSNP1941	<i>Desi</i>	Ca_Desig_Chr03	6636057	(C/T)
26347	CadSNP1942	<i>Desi</i>	Ca_Desig_Chr03	6641323	(G/A)
26348	CadSNP1943	<i>Desi</i>	Ca_Desig_Chr03	6721053	(T/A)
26349	CadSNP1944	<i>Desi</i>	Ca_Desig_Chr03	6723774	(T/A)
26350	CadSNP1945	<i>Desi</i>	Ca_Desig_Chr03	6723852	(C/G)
26351	CadSNP1946	<i>Desi</i>	Ca_Desig_Chr03	6723839	(G/A)
26352	CadSNP1947	<i>Desi</i>	Ca_Desig_Chr03	6723814	(A/G)
26353	CadSNP1948	<i>Desi</i>	Ca_Desig_Chr03	6738215	(A/T)
26354	CadSNP1949	<i>Desi</i>	Ca_Desig_Chr03	6739004	(A/G)
26355	CadSNP1950	<i>Desi</i>	Ca_Desig_Chr03	6738992	(G/A)
26356	CadSNP1951	<i>Desi</i>	Ca_Desig_Chr03	6758389	(T/C)
26357	CadSNP1952	<i>Desi</i>	Ca_Desig_Chr03	6758514	(T/C)
26358	CadSNP1953	<i>Desi</i>	Ca_Desig_Chr03	6758461	(C/T)
26359	CadSNP1954	<i>Desi</i>	Ca_Desig_Chr03	6776135	(G/A)
26360	CadSNP1955	<i>Desi</i>	Ca_Desig_Chr03	6776192	(A/G)
26361	CadSNP1956	<i>Desi</i>	Ca_Desig_Chr03	6776469	(T/C)
26362	CadSNP1957	<i>Desi</i>	Ca_Desig_Chr03	6776529	(C/T)
26363	CadSNP1958	<i>Desi</i>	Ca_Desig_Chr03	6790404	(G/A)
26364	CadSNP1959	<i>Desi</i>	Ca_Desig_Chr03	6790441	(T/G)
26365	CadSNP1960	<i>Desi</i>	Ca_Desig_Chr03	6790700	(G/A)
26366	CadSNP1961	<i>Desi</i>	Ca_Desig_Chr03	6790766	(G/T)
26367	CadSNP1962	<i>Desi</i>	Ca_Desig_Chr03	6799069	(G/A)
26368	CadSNP1963	<i>Desi</i>	Ca_Desig_Chr03	6799079	(G/C)
26369	CadSNP1964	<i>Desi</i>	Ca_Desig_Chr03	6799080	(A/G)
26370	CadSNP1965	<i>Desi</i>	Ca_Desig_Chr03	6799092	(A/T)
26371	CadSNP1966	<i>Desi</i>	Ca_Desig_Chr03	6799102	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26372	CadSNP1967	<i>Desi</i>	Ca_Desig_Chr03	6799103	(C/T)
26373	CadSNP1968	<i>Desi</i>	Ca_Desig_Chr03	6799104	(G/C)
26374	CadSNP1969	<i>Desi</i>	Ca_Desig_Chr03	6799108	(A/G)
26375	CadSNP1970	<i>Desi</i>	Ca_Desig_Chr03	6799122	(T/C)
26376	CadSNP1971	<i>Desi</i>	Ca_Desig_Chr03	6799206	(G/A)
26377	CadSNP1972	<i>Desi</i>	Ca_Desig_Chr03	6799167	(T/C)
26378	CadSNP1973	<i>Desi</i>	Ca_Desig_Chr03	6812141	(C/T)
26379	CadSNP1974	<i>Desi</i>	Ca_Desig_Chr03	6812138	(C/A)
26380	CadSNP1975	<i>Desi</i>	Ca_Desig_Chr03	6812125	(C/T)
26381	CadSNP1976	<i>Desi</i>	Ca_Desig_Chr03	6812111	(A/G)
26382	CadSNP1977	<i>Desi</i>	Ca_Desig_Chr03	6812104	(C/G)
26383	CadSNP1978	<i>Desi</i>	Ca_Desig_Chr03	6812091	(G/A)
26384	CadSNP1979	<i>Desi</i>	Ca_Desig_Chr03	6812090	(C/T)
26385	CadSNP1980	<i>Desi</i>	Ca_Desig_Chr03	6812089	(G/T)
26386	CadSNP1981	<i>Desi</i>	Ca_Desig_Chr03	6812085	(G/A)
26387	CadSNP1982	<i>Desi</i>	Ca_Desig_Chr03	6812195	(C/T)
26388	CadSNP1983	<i>Desi</i>	Ca_Desig_Chr03	6812249	(G/A)
26389	CadSNP1984	<i>Desi</i>	Ca_Desig_Chr03	6812306	(A/C)
26390	CadSNP1985	<i>Desi</i>	Ca_Desig_Chr03	6812334	(G/A)
26391	CadSNP1986	<i>Desi</i>	Ca_Desig_Chr03	6833787	(G/A)
26392	CadSNP1987	<i>Desi</i>	Ca_Desig_Chr03	6833812	(C/A)
26393	CadSNP1988	<i>Desi</i>	Ca_Desig_Chr03	6833831	(A/G)
26394	CadSNP1989	<i>Desi</i>	Ca_Desig_Chr03	6833840	(G/T)
26395	CadSNP1990	<i>Desi</i>	Ca_Desig_Chr03	7012818	(T/C)
26396	CadSNP1991	<i>Desi</i>	Ca_Desig_Chr03	7012976	(A/G)
26397	CadSNP1992	<i>Desi</i>	Ca_Desig_Chr03	7059071	(G/A)
26398	CadSNP1993	<i>Desi</i>	Ca_Desig_Chr03	7059090	(A/G)
26399	CadSNP1994	<i>Desi</i>	Ca_Desig_Chr03	7059208	(T/C)
26400	CadSNP1995	<i>Desi</i>	Ca_Desig_Chr03	7101708	(G/T)
26401	CadSNP1996	<i>Desi</i>	Ca_Desig_Chr03	7101702	(T/G)
26402	CadSNP1997	<i>Desi</i>	Ca_Desig_Chr03	7104055	(G/A)
26403	CadSNP1998	<i>Desi</i>	Ca_Desig_Chr03	7104519	(C/T)
26404	CadSNP1999	<i>Desi</i>	Ca_Desig_Chr03	7104579	(T/A)
26405	CadSNP2000	<i>Desi</i>	Ca_Desig_Chr03	7144144	(T/A)
26406	CadSNP2001	<i>Desi</i>	Ca_Desig_Chr03	7144200	(T/G)
26407	CadSNP2002	<i>Desi</i>	Ca_Desig_Chr03	7177530	(C/A)
26408	CadSNP2003	<i>Desi</i>	Ca_Desig_Chr03	7207213	(C/G)
26409	CadSNP2004	<i>Desi</i>	Ca_Desig_Chr03	7207239	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26410	CadSNP2005	<i>Desi</i>	Ca_Desig_Chr03	7207240	(T/G)
26411	CadSNP2006	<i>Desi</i>	Ca_Desig_Chr03	7207270	(T/C)
26412	CadSNP2007	<i>Desi</i>	Ca_Desig_Chr03	7207273	(A/G)
26413	CadSNP2008	<i>Desi</i>	Ca_Desig_Chr03	7207388	(A/C)
26414	CadSNP2009	<i>Desi</i>	Ca_Desig_Chr03	7207370	(C/T)
26415	CadSNP2010	<i>Desi</i>	Ca_Desig_Chr03	7207355	(A/G)
26416	CadSNP2011	<i>Desi</i>	Ca_Desig_Chr03	7207306	(T/G)
26417	CadSNP2012	<i>Desi</i>	Ca_Desig_Chr03	7212795	(T/C)
26418	CadSNP2013	<i>Desi</i>	Ca_Desig_Chr03	7212796	(T/C)
26419	CadSNP2014	<i>Desi</i>	Ca_Desig_Chr03	7218359	(A/C)
26420	CadSNP2015	<i>Desi</i>	Ca_Desig_Chr03	7234381	(A/T)
26421	CadSNP2016	<i>Desi</i>	Ca_Desig_Chr03	7241614	(G/A)
26422	CadSNP2017	<i>Desi</i>	Ca_Desig_Chr03	7241639	(A/G)
26423	CadSNP2018	<i>Desi</i>	Ca_Desig_Chr03	7241675	(G/T)
26424	CadSNP2019	<i>Desi</i>	Ca_Desig_Chr03	8455273	(A/T)
26425	CadSNP2020	<i>Desi</i>	Ca_Desig_Chr03	8456386	(C/A)
26426	CadSNP2021	<i>Desi</i>	Ca_Desig_Chr03	8499689	(C/T)
26427	CadSNP2022	<i>Desi</i>	Ca_Desig_Chr03	8540339	(T/A)
26428	CadSNP2023	<i>Desi</i>	Ca_Desig_Chr03	8540535	(T/C)
26429	CadSNP2024	<i>Desi</i>	Ca_Desig_Chr03	8548425	(C/T)
26430	CadSNP2025	<i>Desi</i>	Ca_Desig_Chr03	8556886	(G/T)
26431	CadSNP2026	<i>Desi</i>	Ca_Desig_Chr03	8556931	(G/T)
26432	CadSNP2027	<i>Desi</i>	Ca_Desig_Chr03	8814590	(A/G)
26433	CadSNP2028	<i>Desi</i>	Ca_Desig_Chr03	8815626	(A/T)
26434	CadSNP2029	<i>Desi</i>	Ca_Desig_Chr03	8815663	(C/T)
26435	CadSNP2030	<i>Desi</i>	Ca_Desig_Chr03	8815664	(G/A)
26436	CadSNP2031	<i>Desi</i>	Ca_Desig_Chr03	8815694	(G/A)
26437	CadSNP2032	<i>Desi</i>	Ca_Desig_Chr03	8826351	(G/C)
26438	CadSNP2033	<i>Desi</i>	Ca_Desig_Chr03	8826641	(A/G)
26439	CadSNP2034	<i>Desi</i>	Ca_Desig_Chr03	8828383	(C/T)
26440	CadSNP2035	<i>Desi</i>	Ca_Desig_Chr03	8844120	(T/C)
26441	CadSNP2036	<i>Desi</i>	Ca_Desig_Chr03	8844165	(G/A)
26442	CadSNP2037	<i>Desi</i>	Ca_Desig_Chr03	8844171	(C/T)
26443	CadSNP2038	<i>Desi</i>	Ca_Desig_Chr03	8844245	(C/A)
26444	CadSNP2039	<i>Desi</i>	Ca_Desig_Chr03	8852584	(C/T)
26445	CadSNP2040	<i>Desi</i>	Ca_Desig_Chr03	8907433	(T/G)
26446	CadSNP2041	<i>Desi</i>	Ca_Desig_Chr03	8907468	(T/C)
26447	CadSNP2042	<i>Desi</i>	Ca_Desig_Chr03	8907459	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26448	CadSNP2043	<i>Desi</i>	Ca_Desig_Chr03	8907661	(C/T)
26449	CadSNP2044	<i>Desi</i>	Ca_Desig_Chr03	8989825	(A/T)
26450	CadSNP2045	<i>Desi</i>	Ca_Desig_Chr03	9852607	(T/A)
26451	CadSNP2046	<i>Desi</i>	Ca_Desig_Chr03	9934450	(C/A)
26452	CadSNP2047	<i>Desi</i>	Ca_Desig_Chr03	9934613	(A/G)
26453	CadSNP2048	<i>Desi</i>	Ca_Desig_Chr03	9938011	(A/T)
26454	CadSNP2049	<i>Desi</i>	Ca_Desig_Chr03	10075249	(G/A)
26455	CadSNP2050	<i>Desi</i>	Ca_Desig_Chr03	10078325	(A/C)
26456	CadSNP2051	<i>Desi</i>	Ca_Desig_Chr03	10247487	(C/G)
26457	CadSNP2052	<i>Desi</i>	Ca_Desig_Chr03	10304204	(T/A)
26458	CadSNP2053	<i>Desi</i>	Ca_Desig_Chr03	10304224	(A/T)
26459	CadSNP2054	<i>Desi</i>	Ca_Desig_Chr03	10304244	(C/A)
26460	CadSNP2055	<i>Desi</i>	Ca_Desig_Chr03	10308956	(A/C)
26461	CadSNP2056	<i>Desi</i>	Ca_Desig_Chr03	10349421	(A/G)
26462	CadSNP2057	<i>Desi</i>	Ca_Desig_Chr03	10350151	(C/T)
26463	CadSNP2058	<i>Desi</i>	Ca_Desig_Chr03	10350133	(G/T)
26464	CadSNP2059	<i>Desi</i>	Ca_Desig_Chr03	10387956	(A/G)
26465	CadSNP2060	<i>Desi</i>	Ca_Desig_Chr03	10388061	(T/C)
26466	CadSNP2061	<i>Desi</i>	Ca_Desig_Chr03	10389534	(T/G)
26467	CadSNP2062	<i>Desi</i>	Ca_Desig_Chr03	10413004	(A/C)
26468	CadSNP2063	<i>Desi</i>	Ca_Desig_Chr03	10468011	(C/T)
26469	CadSNP2064	<i>Desi</i>	Ca_Desig_Chr03	10509285	(A/T)
26470	CadSNP2065	<i>Desi</i>	Ca_Desig_Chr03	10509304	(T/C)
26471	CadSNP2066	<i>Desi</i>	Ca_Desig_Chr03	10509352	(C/A)
26472	CadSNP2067	<i>Desi</i>	Ca_Desig_Chr03	10509908	(T/G)
26473	CadSNP2068	<i>Desi</i>	Ca_Desig_Chr03	10509938	(A/C)
26474	CadSNP2069	<i>Desi</i>	Ca_Desig_Chr03	10597811	(T/G)
26475	CadSNP2070	<i>Desi</i>	Ca_Desig_Chr03	10597847	(C/T)
26476	CadSNP2071	<i>Desi</i>	Ca_Desig_Chr03	10641927	(G/A)
26477	CadSNP2072	<i>Desi</i>	Ca_Desig_Chr03	10656917	(G/A)
26478	CadSNP2073	<i>Desi</i>	Ca_Desig_Chr03	10676655	(G/A)
26479	CadSNP2074	<i>Desi</i>	Ca_Desig_Chr03	10676659	(G/A)
26480	CadSNP2075	<i>Desi</i>	Ca_Desig_Chr03	10811691	(G/T)
26481	CadSNP2076	<i>Desi</i>	Ca_Desig_Chr03	10811721	(G/C)
26482	CadSNP2077	<i>Desi</i>	Ca_Desig_Chr03	10812216	(G/A)
26483	CadSNP2078	<i>Desi</i>	Ca_Desig_Chr03	10832501	(T/G)
26484	CadSNP2079	<i>Desi</i>	Ca_Desig_Chr03	10869140	(G/A)
26485	CadSNP2080	<i>Desi</i>	Ca_Desig_Chr03	10881083	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26486	CadSNP2081	<i>Desi</i>	Ca_Desig_Chr03	10915073	(G/A)
26487	CadSNP2082	<i>Desi</i>	Ca_Desig_Chr03	11064391	(C/G)
26488	CadSNP2083	<i>Desi</i>	Ca_Desig_Chr03	11115658	(G/A)
26489	CadSNP2084	<i>Desi</i>	Ca_Desig_Chr03	11121805	(G/T)
26490	CadSNP2085	<i>Desi</i>	Ca_Desig_Chr03	11121776	(T/C)
26491	CadSNP2086	<i>Desi</i>	Ca_Desig_Chr03	11146489	(T/C)
26492	CadSNP2087	<i>Desi</i>	Ca_Desig_Chr03	11146442	(A/C)
26493	CadSNP2088	<i>Desi</i>	Ca_Desig_Chr03	11147829	(G/C)
26494	CadSNP2089	<i>Desi</i>	Ca_Desig_Chr03	11147853	(T/G)
26495	CadSNP2090	<i>Desi</i>	Ca_Desig_Chr03	11148357	(C/T)
26496	CadSNP2091	<i>Desi</i>	Ca_Desig_Chr03	11163988	(C/T)
26497	CadSNP2092	<i>Desi</i>	Ca_Desig_Chr03	11220397	(T/C)
26498	CadSNP2093	<i>Desi</i>	Ca_Desig_Chr03	11223968	(C/G)
26499	CadSNP2094	<i>Desi</i>	Ca_Desig_Chr03	11251354	(C/T)
26500	CadSNP2095	<i>Desi</i>	Ca_Desig_Chr03	11251333	(A/C)
26501	CadSNP2096	<i>Desi</i>	Ca_Desig_Chr03	11295835	(C/T)
26502	CadSNP2097	<i>Desi</i>	Ca_Desig_Chr03	11330443	(T/G)
26503	CadSNP2098	<i>Desi</i>	Ca_Desig_Chr03	11370420	(G/A)
26504	CadSNP2099	<i>Desi</i>	Ca_Desig_Chr03	11390003	(A/G)
26505	CadSNP2100	<i>Desi</i>	Ca_Desig_Chr03	11390004	(T/C)
26506	CadSNP2101	<i>Desi</i>	Ca_Desig_Chr03	11390007	(C/T)
26507	CadSNP2102	<i>Desi</i>	Ca_Desig_Chr03	11390016	(C/A)
26508	CadSNP2103	<i>Desi</i>	Ca_Desig_Chr03	11390049	(A/G)
26509	CadSNP2104	<i>Desi</i>	Ca_Desig_Chr03	11390057	(A/G)
26510	CadSNP2105	<i>Desi</i>	Ca_Desig_Chr03	11390970	(A/C)
26511	CadSNP2106	<i>Desi</i>	Ca_Desig_Chr03	11392062	(A/G)
26512	CadSNP2107	<i>Desi</i>	Ca_Desig_Chr03	11392061	(C/T)
26513	CadSNP2108	<i>Desi</i>	Ca_Desig_Chr03	11392059	(G/A)
26514	CadSNP2109	<i>Desi</i>	Ca_Desig_Chr03	11392056	(G/A)
26515	CadSNP2110	<i>Desi</i>	Ca_Desig_Chr03	11392049	(A/G)
26516	CadSNP2111	<i>Desi</i>	Ca_Desig_Chr03	11392045	(T/A)
26517	CadSNP2112	<i>Desi</i>	Ca_Desig_Chr03	11392037	(T/C)
26518	CadSNP2113	<i>Desi</i>	Ca_Desig_Chr03	11392024	(T/C)
26519	CadSNP2114	<i>Desi</i>	Ca_Desig_Chr03	11396406	(A/C)
26520	CadSNP2115	<i>Desi</i>	Ca_Desig_Chr03	11396407	(T/A)
26521	CadSNP2116	<i>Desi</i>	Ca_Desig_Chr03	11400666	(A/C)
26522	CadSNP2117	<i>Desi</i>	Ca_Desig_Chr03	11404484	(C/G)
26523	CadSNP2118	<i>Desi</i>	Ca_Desig_Chr03	11404536	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26524	CadSNP2119	<i>Desi</i>	Ca_Desig_Chr03	11418718	(G/A)
26525	CadSNP2120	<i>Desi</i>	Ca_Desig_Chr03	11418716	(T/C)
26526	CadSNP2121	<i>Desi</i>	Ca_Desig_Chr03	11418710	(C/A)
26527	CadSNP2122	<i>Desi</i>	Ca_Desig_Chr03	11418707	(T/A)
26528	CadSNP2123	<i>Desi</i>	Ca_Desig_Chr03	11418699	(T/C)
26529	CadSNP2124	<i>Desi</i>	Ca_Desig_Chr03	11432450	(G/A)
26530	CadSNP2125	<i>Desi</i>	Ca_Desig_Chr03	11437660	(A/C)
26531	CadSNP2126	<i>Desi</i>	Ca_Desig_Chr03	11444564	(A/C)
26532	CadSNP2127	<i>Desi</i>	Ca_Desig_Chr03	11457594	(C/G)
26533	CadSNP2128	<i>Desi</i>	Ca_Desig_Chr03	11457591	(G/C)
26534	CadSNP2129	<i>Desi</i>	Ca_Desig_Chr03	11457652	(A/C)
26535	CadSNP2130	<i>Desi</i>	Ca_Desig_Chr03	11497356	(C/T)
26536	CadSNP2131	<i>Desi</i>	Ca_Desig_Chr03	11547118	(A/G)
26537	CadSNP2132	<i>Desi</i>	Ca_Desig_Chr03	11548485	(G/A)
26538	CadSNP2133	<i>Desi</i>	Ca_Desig_Chr03	11567306	(G/A)
26539	CadSNP2134	<i>Desi</i>	Ca_Desig_Chr03	11567364	(A/C)
26540	CadSNP2135	<i>Desi</i>	Ca_Desig_Chr03	11569456	(C/T)
26541	CadSNP2136	<i>Desi</i>	Ca_Desig_Chr03	11599239	(G/A)
26542	CadSNP2137	<i>Desi</i>	Ca_Desig_Chr03	11599240	(A/T)
26543	CadSNP2138	<i>Desi</i>	Ca_Desig_Chr03	11607367	(T/C)
26544	CadSNP2139	<i>Desi</i>	Ca_Desig_Chr03	11624139	(T/C)
26545	CadSNP2140	<i>Desi</i>	Ca_Desig_Chr03	11625131	(C/T)
26546	CadSNP2141	<i>Desi</i>	Ca_Desig_Chr03	11625124	(G/A)
26547	CadSNP2142	<i>Desi</i>	Ca_Desig_Chr03	11656953	(A/G)
26548	CadSNP2143	<i>Desi</i>	Ca_Desig_Chr03	11656922	(T/G)
26549	CadSNP2144	<i>Desi</i>	Ca_Desig_Chr03	11676785	(A/G)
26550	CadSNP2145	<i>Desi</i>	Ca_Desig_Chr03	11676764	(A/G)
26551	CadSNP2146	<i>Desi</i>	Ca_Desig_Chr03	11722037	(T/C)
26552	CadSNP2147	<i>Desi</i>	Ca_Desig_Chr03	11728702	(A/C)
26553	CadSNP2148	<i>Desi</i>	Ca_Desig_Chr03	11728698	(A/G)
26554	CadSNP2149	<i>Desi</i>	Ca_Desig_Chr03	11740570	(C/T)
26555	CadSNP2150	<i>Desi</i>	Ca_Desig_Chr03	11740579	(T/C)
26556	CadSNP2151	<i>Desi</i>	Ca_Desig_Chr03	11740600	(C/A)
26557	CadSNP2152	<i>Desi</i>	Ca_Desig_Chr03	11740672	(C/T)
26558	CadSNP2153	<i>Desi</i>	Ca_Desig_Chr03	11740669	(A/G)
26559	CadSNP2154	<i>Desi</i>	Ca_Desig_Chr03	11748297	(T/A)
26560	CadSNP2155	<i>Desi</i>	Ca_Desig_Chr03	11781845	(C/T)
26561	CadSNP2156	<i>Desi</i>	Ca_Desig_Chr03	11782814	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26562	CadSNP2157	<i>Desi</i>	Ca_Desig_Chr03	11783341	(C/A)
26563	CadSNP2158	<i>Desi</i>	Ca_Desig_Chr03	11783336	(C/A)
26564	CadSNP2159	<i>Desi</i>	Ca_Desig_Chr03	11783335	(G/A)
26565	CadSNP2160	<i>Desi</i>	Ca_Desig_Chr03	11783334	(T/C)
26566	CadSNP2161	<i>Desi</i>	Ca_Desig_Chr03	11783331	(C/T)
26567	CadSNP2162	<i>Desi</i>	Ca_Desig_Chr03	11783328	(C/T)
26568	CadSNP2163	<i>Desi</i>	Ca_Desig_Chr03	11828957	(C/A)
26569	CadSNP2164	<i>Desi</i>	Ca_Desig_Chr03	11900779	(G/A)
26570	CadSNP2165	<i>Desi</i>	Ca_Desig_Chr03	11900840	(T/C)
26571	CadSNP2166	<i>Desi</i>	Ca_Desig_Chr03	11900841	(G/A)
26572	CadSNP2167	<i>Desi</i>	Ca_Desig_Chr03	11900930	(T/A)
26573	CadSNP2168	<i>Desi</i>	Ca_Desig_Chr03	11900889	(A/G)
26574	CadSNP2169	<i>Desi</i>	Ca_Desig_Chr03	11900887	(T/C)
26575	CadSNP2170	<i>Desi</i>	Ca_Desig_Chr03	11974197	(T/C)
26576	CadSNP2171	<i>Desi</i>	Ca_Desig_Chr03	11974244	(A/T)
26577	CadSNP2172	<i>Desi</i>	Ca_Desig_Chr03	11974241	(G/T)
26578	CadSNP2173	<i>Desi</i>	Ca_Desig_Chr03	11974238	(A/G)
26579	CadSNP2174	<i>Desi</i>	Ca_Desig_Chr03	12051872	(G/C)
26580	CadSNP2175	<i>Desi</i>	Ca_Desig_Chr03	12051878	(A/C)
26581	CadSNP2176	<i>Desi</i>	Ca_Desig_Chr03	12095970	(G/T)
26582	CadSNP2177	<i>Desi</i>	Ca_Desig_Chr03	12096007	(C/T)
26583	CadSNP2178	<i>Desi</i>	Ca_Desig_Chr03	12096018	(G/T)
26584	CadSNP2179	<i>Desi</i>	Ca_Desig_Chr03	12163332	(T/C)
26585	CadSNP2180	<i>Desi</i>	Ca_Desig_Chr03	12163323	(G/A)
26586	CadSNP2181	<i>Desi</i>	Ca_Desig_Chr03	12277447	(C/G)
26587	CadSNP2182	<i>Desi</i>	Ca_Desig_Chr03	12277580	(A/G)
26588	CadSNP2183	<i>Desi</i>	Ca_Desig_Chr03	12277558	(A/G)
26589	CadSNP2184	<i>Desi</i>	Ca_Desig_Chr03	12353499	(A/G)
26590	CadSNP2185	<i>Desi</i>	Ca_Desig_Chr03	12354035	(A/G)
26591	CadSNP2186	<i>Desi</i>	Ca_Desig_Chr03	12385670	(G/T)
26592	CadSNP2187	<i>Desi</i>	Ca_Desig_Chr03	12386707	(A/G)
26593	CadSNP2188	<i>Desi</i>	Ca_Desig_Chr03	12387498	(G/T)
26594	CadSNP2189	<i>Desi</i>	Ca_Desig_Chr03	12388427	(T/C)
26595	CadSNP2190	<i>Desi</i>	Ca_Desig_Chr03	12388434	(C/T)
26596	CadSNP2191	<i>Desi</i>	Ca_Desig_Chr03	12389294	(G/A)
26597	CadSNP2192	<i>Desi</i>	Ca_Desig_Chr03	12389297	(G/A)
26598	CadSNP2193	<i>Desi</i>	Ca_Desig_Chr03	12389303	(C/T)
26599	CadSNP2194	<i>Desi</i>	Ca_Desig_Chr03	12399041	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26600	CadSNP2195	<i>Desi</i>	Ca_Desig_Chr03	12399107	(T/A)
26601	CadSNP2196	<i>Desi</i>	Ca_Desig_Chr03	12401439	(C/G)
26602	CadSNP2197	<i>Desi</i>	Ca_Desig_Chr03	12401650	(T/C)
26603	CadSNP2198	<i>Desi</i>	Ca_Desig_Chr03	12460531	(T/C)
26604	CadSNP2199	<i>Desi</i>	Ca_Desig_Chr03	12472072	(G/A)
26605	CadSNP2200	<i>Desi</i>	Ca_Desig_Chr03	12498074	(G/A)
26606	CadSNP2201	<i>Desi</i>	Ca_Desig_Chr03	12535870	(T/C)
26607	CadSNP2202	<i>Desi</i>	Ca_Desig_Chr03	12535887	(T/C)
26608	CadSNP2203	<i>Desi</i>	Ca_Desig_Chr03	12535894	(C/T)
26609	CadSNP2204	<i>Desi</i>	Ca_Desig_Chr03	12535919	(G/A)
26610	CadSNP2205	<i>Desi</i>	Ca_Desig_Chr03	12543791	(G/A)
26611	CadSNP2206	<i>Desi</i>	Ca_Desig_Chr03	12543837	(A/C)
26612	CadSNP2207	<i>Desi</i>	Ca_Desig_Chr03	12863764	(C/T)
26613	CadSNP2208	<i>Desi</i>	Ca_Desig_Chr03	12863779	(T/C)
26614	CadSNP2209	<i>Desi</i>	Ca_Desig_Chr03	12863789	(C/A)
26615	CadSNP2210	<i>Desi</i>	Ca_Desig_Chr03	12863810	(C/T)
26616	CadSNP2211	<i>Desi</i>	Ca_Desig_Chr03	12863812	(C/T)
26617	CadSNP2212	<i>Desi</i>	Ca_Desig_Chr03	12897333	(T/A)
26618	CadSNP2213	<i>Desi</i>	Ca_Desig_Chr03	12897345	(C/G)
26619	CadSNP2214	<i>Desi</i>	Ca_Desig_Chr03	12930500	(C/A)
26620	CadSNP2215	<i>Desi</i>	Ca_Desig_Chr03	12930626	(C/T)
26621	CadSNP2216	<i>Desi</i>	Ca_Desig_Chr03	12979506	(T/C)
26622	CadSNP2217	<i>Desi</i>	Ca_Desig_Chr03	12979551	(C/A)
26623	CadSNP2218	<i>Desi</i>	Ca_Desig_Chr03	13008395	(A/C)
26624	CadSNP2219	<i>Desi</i>	Ca_Desig_Chr03	13191097	(A/T)
26625	CadSNP2220	<i>Desi</i>	Ca_Desig_Chr03	13191072	(C/G)
26626	CadSNP2221	<i>Desi</i>	Ca_Desig_Chr03	13191049	(A/G)
26627	CadSNP2222	<i>Desi</i>	Ca_Desig_Chr03	13207036	(C/A)
26628	CadSNP2223	<i>Desi</i>	Ca_Desig_Chr03	13208922	(T/G)
26629	CadSNP2224	<i>Desi</i>	Ca_Desig_Chr03	13407432	(T/A)
26630	CadSNP2225	<i>Desi</i>	Ca_Desig_Chr03	13407459	(T/G)
26631	CadSNP2226	<i>Desi</i>	Ca_Desig_Chr03	13423127	(T/G)
26632	CadSNP2227	<i>Desi</i>	Ca_Desig_Chr03	13517775	(T/C)
26633	CadSNP2228	<i>Desi</i>	Ca_Desig_Chr03	13517888	(C/T)
26634	CadSNP2229	<i>Desi</i>	Ca_Desig_Chr03	13518296	(A/G)
26635	CadSNP2230	<i>Desi</i>	Ca_Desig_Chr03	13538576	(A/C)
26636	CadSNP2231	<i>Desi</i>	Ca_Desig_Chr03	13664273	(G/A)
26637	CadSNP2232	<i>Desi</i>	Ca_Desig_Chr03	13664267	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26638	CadSNP2233	<i>Desi</i>	Ca_Desig_Chr03	13664213	(A/C)
26639	CadSNP2234	<i>Desi</i>	Ca_Desig_Chr03	13825261	(G/A)
26640	CadSNP2235	<i>Desi</i>	Ca_Desig_Chr03	13839597	(C/T)
26641	CadSNP2236	<i>Desi</i>	Ca_Desig_Chr03	13841817	(T/C)
26642	CadSNP2237	<i>Desi</i>	Ca_Desig_Chr03	13841895	(A/C)
26643	CadSNP2238	<i>Desi</i>	Ca_Desig_Chr03	13866595	(G/T)
26644	CadSNP2239	<i>Desi</i>	Ca_Desig_Chr03	13892242	(T/C)
26645	CadSNP2240	<i>Desi</i>	Ca_Desig_Chr03	13894638	(T/A)
26646	CadSNP2241	<i>Desi</i>	Ca_Desig_Chr03	13909204	(C/T)
26647	CadSNP2242	<i>Desi</i>	Ca_Desig_Chr03	13909208	(A/C)
26648	CadSNP2243	<i>Desi</i>	Ca_Desig_Chr03	13909226	(T/C)
26649	CadSNP2244	<i>Desi</i>	Ca_Desig_Chr03	13909264	(A/T)
26650	CadSNP2245	<i>Desi</i>	Ca_Desig_Chr03	13994137	(A/C)
26651	CadSNP2246	<i>Desi</i>	Ca_Desig_Chr03	14005265	(C/T)
26652	CadSNP2247	<i>Desi</i>	Ca_Desig_Chr03	14005543	(C/G)
26653	CadSNP2248	<i>Desi</i>	Ca_Desig_Chr03	14005497	(T/C)
26654	CadSNP2249	<i>Desi</i>	Ca_Desig_Chr03	14006868	(G/A)
26655	CadSNP2250	<i>Desi</i>	Ca_Desig_Chr03	14006814	(T/G)
26656	CadSNP2251	<i>Desi</i>	Ca_Desig_Chr03	14172661	(C/T)
26657	CadSNP2252	<i>Desi</i>	Ca_Desig_Chr03	14172702	(G/A)
26658	CadSNP2253	<i>Desi</i>	Ca_Desig_Chr03	14469822	(G/A)
26659	CadSNP2254	<i>Desi</i>	Ca_Desig_Chr03	14469811	(T/C)
26660	CadSNP2255	<i>Desi</i>	Ca_Desig_Chr03	14469806	(A/G)
26661	CadSNP2256	<i>Desi</i>	Ca_Desig_Chr03	14469801	(G/A)
26662	CadSNP2257	<i>Desi</i>	Ca_Desig_Chr03	14469790	(C/A)
26663	CadSNP2258	<i>Desi</i>	Ca_Desig_Chr03	14469745	(A/T)
26664	CadSNP2259	<i>Desi</i>	Ca_Desig_Chr03	14469761	(G/A)
26665	CadSNP2260	<i>Desi</i>	Ca_Desig_Chr03	14490484	(C/T)
26666	CadSNP2261	<i>Desi</i>	Ca_Desig_Chr03	14619725	(G/A)
26667	CadSNP2262	<i>Desi</i>	Ca_Desig_Chr03	14672190	(A/G)
26668	CadSNP2263	<i>Desi</i>	Ca_Desig_Chr03	14694727	(A/G)
26669	CadSNP2264	<i>Desi</i>	Ca_Desig_Chr03	14702839	(C/T)
26670	CadSNP2265	<i>Desi</i>	Ca_Desig_Chr03	14732794	(T/C)
26671	CadSNP2266	<i>Desi</i>	Ca_Desig_Chr03	14733079	(G/C)
26672	CadSNP2267	<i>Desi</i>	Ca_Desig_Chr03	14734975	(A/C)
26673	CadSNP2268	<i>Desi</i>	Ca_Desig_Chr03	14790196	(C/T)
26674	CadSNP2269	<i>Desi</i>	Ca_Desig_Chr03	14817852	(G/A)
26675	CadSNP2270	<i>Desi</i>	Ca_Desig_Chr03	14828680	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26676	CadSNP2271	<i>Desi</i>	Ca_Desig_Chr03	14828628	(T/C)
26677	CadSNP2272	<i>Desi</i>	Ca_Desig_Chr03	14860205	(G/T)
26678	CadSNP2273	<i>Desi</i>	Ca_Desig_Chr03	14860342	(T/C)
26679	CadSNP2274	<i>Desi</i>	Ca_Desig_Chr03	14890519	(G/A)
26680	CadSNP2275	<i>Desi</i>	Ca_Desig_Chr03	14890526	(A/G)
26681	CadSNP2276	<i>Desi</i>	Ca_Desig_Chr03	14890671	(G/T)
26682	CadSNP2277	<i>Desi</i>	Ca_Desig_Chr03	14890670	(T/A)
26683	CadSNP2278	<i>Desi</i>	Ca_Desig_Chr03	14890662	(T/G)
26684	CadSNP2279	<i>Desi</i>	Ca_Desig_Chr03	14890652	(G/A)
26685	CadSNP2280	<i>Desi</i>	Ca_Desig_Chr03	14890643	(C/A)
26686	CadSNP2281	<i>Desi</i>	Ca_Desig_Chr03	14890606	(G/T)
26687	CadSNP2282	<i>Desi</i>	Ca_Desig_Chr03	14890599	(G/T)
26688	CadSNP2283	<i>Desi</i>	Ca_Desig_Chr03	14927251	(G/A)
26689	CadSNP2284	<i>Desi</i>	Ca_Desig_Chr03	15066955	(A/G)
26690	CadSNP2285	<i>Desi</i>	Ca_Desig_Chr03	15101360	(G/A)
26691	CadSNP2286	<i>Desi</i>	Ca_Desig_Chr03	15101362	(G/T)
26692	CadSNP2287	<i>Desi</i>	Ca_Desig_Chr03	15101368	(A/G)
26693	CadSNP2288	<i>Desi</i>	Ca_Desig_Chr03	15101369	(G/C)
26694	CadSNP2289	<i>Desi</i>	Ca_Desig_Chr03	15101397	(G/A)
26695	CadSNP2290	<i>Desi</i>	Ca_Desig_Chr03	15107917	(T/C)
26696	CadSNP2291	<i>Desi</i>	Ca_Desig_Chr03	15115080	(G/A)
26697	CadSNP2292	<i>Desi</i>	Ca_Desig_Chr03	15115083	(T/C)
26698	CadSNP2293	<i>Desi</i>	Ca_Desig_Chr03	15115094	(C/T)
26699	CadSNP2294	<i>Desi</i>	Ca_Desig_Chr03	15115099	(A/T)
26700	CadSNP2295	<i>Desi</i>	Ca_Desig_Chr03	15115111	(C/T)
26701	CadSNP2296	<i>Desi</i>	Ca_Desig_Chr03	15115114	(A/T)
26702	CadSNP2297	<i>Desi</i>	Ca_Desig_Chr03	15115115	(C/T)
26703	CadSNP2298	<i>Desi</i>	Ca_Desig_Chr03	15115122	(A/T)
26704	CadSNP2299	<i>Desi</i>	Ca_Desig_Chr03	15115126	(T/C)
26705	CadSNP2300	<i>Desi</i>	Ca_Desig_Chr03	15115128	(G/T)
26706	CadSNP2301	<i>Desi</i>	Ca_Desig_Chr03	15115141	(T/A)
26707	CadSNP2302	<i>Desi</i>	Ca_Desig_Chr03	15134512	(A/G)
26708	CadSNP2303	<i>Desi</i>	Ca_Desig_Chr03	15134527	(T/C)
26709	CadSNP2304	<i>Desi</i>	Ca_Desig_Chr03	15134699	(G/A)
26710	CadSNP2305	<i>Desi</i>	Ca_Desig_Chr03	15140391	(A/G)
26711	CadSNP2306	<i>Desi</i>	Ca_Desig_Chr03	15140451	(C/G)
26712	CadSNP2307	<i>Desi</i>	Ca_Desig_Chr03	15140454	(A/G)
26713	CadSNP2308	<i>Desi</i>	Ca_Desig_Chr03	15206796	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26714	CadSNP2309	<i>Desi</i>	Ca_Desig_Chr03	15281781	(C/T)
26715	CadSNP2310	<i>Desi</i>	Ca_Desig_Chr03	15281745	(T/C)
26716	CadSNP2311	<i>Desi</i>	Ca_Desig_Chr03	15332475	(C/G)
26717	CadSNP2312	<i>Desi</i>	Ca_Desig_Chr03	15332490	(C/G)
26718	CadSNP2313	<i>Desi</i>	Ca_Desig_Chr03	15332493	(C/A)
26719	CadSNP2314	<i>Desi</i>	Ca_Desig_Chr03	15332539	(G/A)
26720	CadSNP2315	<i>Desi</i>	Ca_Desig_Chr03	15376304	(G/C)
26721	CadSNP2316	<i>Desi</i>	Ca_Desig_Chr03	15385992	(G/C)
26722	CadSNP2317	<i>Desi</i>	Ca_Desig_Chr03	15386093	(A/C)
26723	CadSNP2318	<i>Desi</i>	Ca_Desig_Chr03	15386074	(T/C)
26724	CadSNP2319	<i>Desi</i>	Ca_Desig_Chr03	15411640	(A/T)
26725	CadSNP2320	<i>Desi</i>	Ca_Desig_Chr03	15411677	(A/G)
26726	CadSNP2321	<i>Desi</i>	Ca_Desig_Chr03	15412922	(A/C)
26727	CadSNP2322	<i>Desi</i>	Ca_Desig_Chr03	15445856	(A/G)
26728	CadSNP2323	<i>Desi</i>	Ca_Desig_Chr03	15449309	(T/C)
26729	CadSNP2324	<i>Desi</i>	Ca_Desig_Chr03	15458600	(C/T)
26730	CadSNP2325	<i>Desi</i>	Ca_Desig_Chr03	15459712	(T/G)
26731	CadSNP2326	<i>Desi</i>	Ca_Desig_Chr03	15459709	(T/C)
26732	CadSNP2327	<i>Desi</i>	Ca_Desig_Chr03	15466277	(A/G)
26733	CadSNP2328	<i>Desi</i>	Ca_Desig_Chr03	15487859	(A/T)
26734	CadSNP2329	<i>Desi</i>	Ca_Desig_Chr03	15492126	(A/G)
26735	CadSNP2330	<i>Desi</i>	Ca_Desig_Chr03	15497431	(A/G)
26736	CadSNP2331	<i>Desi</i>	Ca_Desig_Chr03	15502488	(C/T)
26737	CadSNP2332	<i>Desi</i>	Ca_Desig_Chr03	15506011	(A/G)
26738	CadSNP2333	<i>Desi</i>	Ca_Desig_Chr03	15505991	(C/T)
26739	CadSNP2334	<i>Desi</i>	Ca_Desig_Chr03	15505987	(C/A)
26740	CadSNP2335	<i>Desi</i>	Ca_Desig_Chr03	15505983	(C/A)
26741	CadSNP2336	<i>Desi</i>	Ca_Desig_Chr03	15813048	(C/T)
26742	CadSNP2337	<i>Desi</i>	Ca_Desig_Chr03	15825478	(G/A)
26743	CadSNP2338	<i>Desi</i>	Ca_Desig_Chr03	15828104	(C/A)
26744	CadSNP2339	<i>Desi</i>	Ca_Desig_Chr03	15835391	(T/A)
26745	CadSNP2340	<i>Desi</i>	Ca_Desig_Chr03	15875198	(A/G)
26746	CadSNP2341	<i>Desi</i>	Ca_Desig_Chr03	15877087	(A/G)
26747	CadSNP2342	<i>Desi</i>	Ca_Desig_Chr03	15877222	(T/G)
26748	CadSNP2343	<i>Desi</i>	Ca_Desig_Chr03	15877185	(A/G)
26749	CadSNP2344	<i>Desi</i>	Ca_Desig_Chr03	15879088	(T/G)
26750	CadSNP2345	<i>Desi</i>	Ca_Desig_Chr03	15885833	(G/T)
26751	CadSNP2346	<i>Desi</i>	Ca_Desig_Chr03	15885849	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26752	CadSNP2347	<i>Desi</i>	Ca_Desig_Chr03	15946686	(T/G)
26753	CadSNP2348	<i>Desi</i>	Ca_Desig_Chr03	15946765	(G/C)
26754	CadSNP2349	<i>Desi</i>	Ca_Desig_Chr03	15991427	(C/T)
26755	CadSNP2350	<i>Desi</i>	Ca_Desig_Chr03	15991589	(T/C)
26756	CadSNP2351	<i>Desi</i>	Ca_Desig_Chr03	16001126	(T/A)
26757	CadSNP2352	<i>Desi</i>	Ca_Desig_Chr03	16050465	(G/T)
26758	CadSNP2353	<i>Desi</i>	Ca_Desig_Chr03	16050429	(G/A)
26759	CadSNP2354	<i>Desi</i>	Ca_Desig_Chr03	16104825	(G/T)
26760	CadSNP2355	<i>Desi</i>	Ca_Desig_Chr03	16108691	(A/G)
26761	CadSNP2356	<i>Desi</i>	Ca_Desig_Chr03	16137168	(G/C)
26762	CadSNP2357	<i>Desi</i>	Ca_Desig_Chr03	16139116	(C/T)
26763	CadSNP2358	<i>Desi</i>	Ca_Desig_Chr03	16145409	(T/C)
26764	CadSNP2359	<i>Desi</i>	Ca_Desig_Chr03	16145494	(C/T)
26765	CadSNP2360	<i>Desi</i>	Ca_Desig_Chr03	16145469	(T/A)
26766	CadSNP2361	<i>Desi</i>	Ca_Desig_Chr03	16181589	(G/C)
26767	CadSNP2362	<i>Desi</i>	Ca_Desig_Chr03	16181578	(G/A)
26768	CadSNP2363	<i>Desi</i>	Ca_Desig_Chr03	16209416	(G/A)
26769	CadSNP2364	<i>Desi</i>	Ca_Desig_Chr03	16209498	(A/G)
26770	CadSNP2365	<i>Desi</i>	Ca_Desig_Chr03	16218534	(T/C)
26771	CadSNP2366	<i>Desi</i>	Ca_Desig_Chr03	16232554	(G/A)
26772	CadSNP2367	<i>Desi</i>	Ca_Desig_Chr03	16307552	(C/T)
26773	CadSNP2368	<i>Desi</i>	Ca_Desig_Chr03	16337251	(C/T)
26774	CadSNP2369	<i>Desi</i>	Ca_Desig_Chr03	16373373	(C/A)
26775	CadSNP2370	<i>Desi</i>	Ca_Desig_Chr03	16408351	(A/G)
26776	CadSNP2371	<i>Desi</i>	Ca_Desig_Chr03	16408411	(A/G)
26777	CadSNP2372	<i>Desi</i>	Ca_Desig_Chr03	16410820	(C/T)
26778	CadSNP2373	<i>Desi</i>	Ca_Desig_Chr03	16423933	(T/C)
26779	CadSNP2374	<i>Desi</i>	Ca_Desig_Chr03	16429296	(G/A)
26780	CadSNP2375	<i>Desi</i>	Ca_Desig_Chr03	16429290	(A/G)
26781	CadSNP2376	<i>Desi</i>	Ca_Desig_Chr03	16429260	(A/C)
26782	CadSNP2377	<i>Desi</i>	Ca_Desig_Chr03	16429257	(A/C)
26783	CadSNP2378	<i>Desi</i>	Ca_Desig_Chr03	16457210	(T/C)
26784	CadSNP2379	<i>Desi</i>	Ca_Desig_Chr03	16546902	(G/A)
26785	CadSNP2380	<i>Desi</i>	Ca_Desig_Chr03	16588500	(A/G)
26786	CadSNP2381	<i>Desi</i>	Ca_Desig_Chr03	16588533	(G/C)
26787	CadSNP2382	<i>Desi</i>	Ca_Desig_Chr03	16588555	(T/C)
26788	CadSNP2383	<i>Desi</i>	Ca_Desig_Chr03	16588661	(T/C)
26789	CadSNP2384	<i>Desi</i>	Ca_Desig_Chr03	16588648	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26790	CadSNP2385	<i>Desi</i>	Ca_Desig_Chr03	16588642	(T/C)
26791	CadSNP2386	<i>Desi</i>	Ca_Desig_Chr03	16608969	(G/A)
26792	CadSNP2387	<i>Desi</i>	Ca_Desig_Chr03	16612390	(A/C)
26793	CadSNP2388	<i>Desi</i>	Ca_Desig_Chr03	16612523	(G/T)
26794	CadSNP2389	<i>Desi</i>	Ca_Desig_Chr03	16612522	(T/A)
26795	CadSNP2390	<i>Desi</i>	Ca_Desig_Chr03	16647962	(G/C)
26796	CadSNP2391	<i>Desi</i>	Ca_Desig_Chr03	16650388	(T/C)
26797	CadSNP2392	<i>Desi</i>	Ca_Desig_Chr03	16654383	(T/C)
26798	CadSNP2393	<i>Desi</i>	Ca_Desig_Chr03	16665981	(T/C)
26799	CadSNP2394	<i>Desi</i>	Ca_Desig_Chr03	16665928	(G/C)
26800	CadSNP2395	<i>Desi</i>	Ca_Desig_Chr03	16779590	(C/T)
26801	CadSNP2396	<i>Desi</i>	Ca_Desig_Chr03	16786527	(A/C)
26802	CadSNP2397	<i>Desi</i>	Ca_Desig_Chr03	16829269	(G/A)
26803	CadSNP2398	<i>Desi</i>	Ca_Desig_Chr03	16829284	(T/C)
26804	CadSNP2399	<i>Desi</i>	Ca_Desig_Chr03	16869021	(C/T)
26805	CadSNP2400	<i>Desi</i>	Ca_Desig_Chr03	16885534	(C/G)
26806	CadSNP2401	<i>Desi</i>	Ca_Desig_Chr03	16885685	(A/G)
26807	CadSNP2402	<i>Desi</i>	Ca_Desig_Chr03	16894386	(A/G)
26808	CadSNP2403	<i>Desi</i>	Ca_Desig_Chr03	16894455	(G/C)
26809	CadSNP2404	<i>Desi</i>	Ca_Desig_Chr03	16925661	(A/C)
26810	CadSNP2405	<i>Desi</i>	Ca_Desig_Chr03	16934270	(G/T)
26811	CadSNP2406	<i>Desi</i>	Ca_Desig_Chr03	16934316	(T/G)
26812	CadSNP2407	<i>Desi</i>	Ca_Desig_Chr03	16968147	(A/C)
26813	CadSNP2408	<i>Desi</i>	Ca_Desig_Chr03	16968093	(G/C)
26814	CadSNP2409	<i>Desi</i>	Ca_Desig_Chr03	17011107	(C/A)
26815	CadSNP2410	<i>Desi</i>	Ca_Desig_Chr03	17011108	(A/G)
26816	CadSNP2411	<i>Desi</i>	Ca_Desig_Chr03	17014193	(T/A)
26817	CadSNP2412	<i>Desi</i>	Ca_Desig_Chr03	17088351	(A/C)
26818	CadSNP2413	<i>Desi</i>	Ca_Desig_Chr03	17096881	(T/G)
26819	CadSNP2414	<i>Desi</i>	Ca_Desig_Chr03	17117877	(T/G)
26820	CadSNP2415	<i>Desi</i>	Ca_Desig_Chr03	17135055	(A/C)
26821	CadSNP2416	<i>Desi</i>	Ca_Desig_Chr03	17151326	(A/T)
26822	CadSNP2417	<i>Desi</i>	Ca_Desig_Chr03	17151439	(C/A)
26823	CadSNP2418	<i>Desi</i>	Ca_Desig_Chr03	17160362	(G/C)
26824	CadSNP2419	<i>Desi</i>	Ca_Desig_Chr03	17160394	(G/T)
26825	CadSNP2420	<i>Desi</i>	Ca_Desig_Chr03	17202494	(A/G)
26826	CadSNP2421	<i>Desi</i>	Ca_Desig_Chr03	17296670	(A/T)
26827	CadSNP2422	<i>Desi</i>	Ca_Desig_Chr03	17619289	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26828	CadSNP2423	<i>Desi</i>	Ca_Desig_Chr03	17619292	(T/C)
26829	CadSNP2424	<i>Desi</i>	Ca_Desig_Chr03	17648928	(C/T)
26830	CadSNP2425	<i>Desi</i>	Ca_Desig_Chr03	17664224	(C/T)
26831	CadSNP2426	<i>Desi</i>	Ca_Desig_Chr03	17681284	(G/C)
26832	CadSNP2427	<i>Desi</i>	Ca_Desig_Chr03	17681331	(A/G)
26833	CadSNP2428	<i>Desi</i>	Ca_Desig_Chr03	17732900	(T/A)
26834	CadSNP2429	<i>Desi</i>	Ca_Desig_Chr03	17732871	(C/T)
26835	CadSNP2430	<i>Desi</i>	Ca_Desig_Chr03	17800447	(T/C)
26836	CadSNP2431	<i>Desi</i>	Ca_Desig_Chr03	17815074	(A/C)
26837	CadSNP2432	<i>Desi</i>	Ca_Desig_Chr03	17815081	(A/G)
26838	CadSNP2433	<i>Desi</i>	Ca_Desig_Chr03	17821525	(G/A)
26839	CadSNP2434	<i>Desi</i>	Ca_Desig_Chr03	17833336	(T/C)
26840	CadSNP2435	<i>Desi</i>	Ca_Desig_Chr03	17838091	(T/C)
26841	CadSNP2436	<i>Desi</i>	Ca_Desig_Chr03	17840051	(A/C)
26842	CadSNP2437	<i>Desi</i>	Ca_Desig_Chr03	17840040	(A/G)
26843	CadSNP2438	<i>Desi</i>	Ca_Desig_Chr03	17847712	(G/A)
26844	CadSNP2439	<i>Desi</i>	Ca_Desig_Chr03	17848961	(T/C)
26845	CadSNP2440	<i>Desi</i>	Ca_Desig_Chr03	17853430	(A/C)
26846	CadSNP2441	<i>Desi</i>	Ca_Desig_Chr03	17853418	(C/A)
26847	CadSNP2442	<i>Desi</i>	Ca_Desig_Chr03	17853412	(A/G)
26848	CadSNP2443	<i>Desi</i>	Ca_Desig_Chr03	17854089	(A/C)
26849	CadSNP2444	<i>Desi</i>	Ca_Desig_Chr03	17855179	(G/C)
26850	CadSNP2445	<i>Desi</i>	Ca_Desig_Chr03	17858263	(C/A)
26851	CadSNP2446	<i>Desi</i>	Ca_Desig_Chr03	17872943	(A/G)
26852	CadSNP2447	<i>Desi</i>	Ca_Desig_Chr03	17872966	(A/C)
26853	CadSNP2448	<i>Desi</i>	Ca_Desig_Chr03	17895451	(A/G)
26854	CadSNP2449	<i>Desi</i>	Ca_Desig_Chr03	17895430	(G/T)
26855	CadSNP2450	<i>Desi</i>	Ca_Desig_Chr03	17920666	(C/G)
26856	CadSNP2451	<i>Desi</i>	Ca_Desig_Chr03	17920734	(T/C)
26857	CadSNP2452	<i>Desi</i>	Ca_Desig_Chr03	17944044	(T/G)
26858	CadSNP2453	<i>Desi</i>	Ca_Desig_Chr03	17944090	(A/G)
26859	CadSNP2454	<i>Desi</i>	Ca_Desig_Chr03	17952424	(G/T)
26860	CadSNP2455	<i>Desi</i>	Ca_Desig_Chr03	17974469	(G/A)
26861	CadSNP2456	<i>Desi</i>	Ca_Desig_Chr03	17974517	(T/C)
26862	CadSNP2457	<i>Desi</i>	Ca_Desig_Chr03	17974556	(T/G)
26863	CadSNP2458	<i>Desi</i>	Ca_Desig_Chr03	17974550	(T/G)
26864	CadSNP2459	<i>Desi</i>	Ca_Desig_Chr03	17974629	(A/G)
26865	CadSNP2460	<i>Desi</i>	Ca_Desig_Chr03	17974623	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26866	CadSNP2461	<i>Desi</i>	Ca_Desig_Chr03	18004723	(G/A)
26867	CadSNP2462	<i>Desi</i>	Ca_Desig_Chr03	18017145	(A/C)
26868	CadSNP2463	<i>Desi</i>	Ca_Desig_Chr03	18017201	(C/T)
26869	CadSNP2464	<i>Desi</i>	Ca_Desig_Chr03	18017326	(A/G)
26870	CadSNP2465	<i>Desi</i>	Ca_Desig_Chr03	18018792	(G/A)
26871	CadSNP2466	<i>Desi</i>	Ca_Desig_Chr03	18018827	(T/C)
26872	CadSNP2467	<i>Desi</i>	Ca_Desig_Chr03	18021905	(C/A)
26873	CadSNP2468	<i>Desi</i>	Ca_Desig_Chr03	18045434	(A/T)
26874	CadSNP2469	<i>Desi</i>	Ca_Desig_Chr03	18046766	(A/G)
26875	CadSNP2470	<i>Desi</i>	Ca_Desig_Chr03	18046910	(A/G)
26876	CadSNP2471	<i>Desi</i>	Ca_Desig_Chr03	18057610	(T/A)
26877	CadSNP2472	<i>Desi</i>	Ca_Desig_Chr03	18101880	(A/T)
26878	CadSNP2473	<i>Desi</i>	Ca_Desig_Chr03	18101900	(T/C)
26879	CadSNP2474	<i>Desi</i>	Ca_Desig_Chr03	18140360	(A/C)
26880	CadSNP2475	<i>Desi</i>	Ca_Desig_Chr03	18140427	(G/A)
26881	CadSNP2476	<i>Desi</i>	Ca_Desig_Chr03	18140618	(G/A)
26882	CadSNP2477	<i>Desi</i>	Ca_Desig_Chr03	18150924	(C/T)
26883	CadSNP2478	<i>Desi</i>	Ca_Desig_Chr03	18150894	(C/T)
26884	CadSNP2479	<i>Desi</i>	Ca_Desig_Chr03	18171597	(C/T)
26885	CadSNP2480	<i>Desi</i>	Ca_Desig_Chr03	18171672	(A/G)
26886	CadSNP2481	<i>Desi</i>	Ca_Desig_Chr03	18172204	(T/C)
26887	CadSNP2482	<i>Desi</i>	Ca_Desig_Chr03	18192715	(T/C)
26888	CadSNP2483	<i>Desi</i>	Ca_Desig_Chr03	18193117	(T/A)
26889	CadSNP2484	<i>Desi</i>	Ca_Desig_Chr03	18193119	(G/C)
26890	CadSNP2485	<i>Desi</i>	Ca_Desig_Chr03	18195900	(A/C)
26891	CadSNP2486	<i>Desi</i>	Ca_Desig_Chr03	18195888	(G/A)
26892	CadSNP2487	<i>Desi</i>	Ca_Desig_Chr03	18207344	(T/C)
26893	CadSNP2488	<i>Desi</i>	Ca_Desig_Chr03	18207347	(T/C)
26894	CadSNP2489	<i>Desi</i>	Ca_Desig_Chr03	18207408	(C/T)
26895	CadSNP2490	<i>Desi</i>	Ca_Desig_Chr03	18273088	(A/G)
26896	CadSNP2491	<i>Desi</i>	Ca_Desig_Chr03	18273114	(T/C)
26897	CadSNP2492	<i>Desi</i>	Ca_Desig_Chr03	18285050	(A/G)
26898	CadSNP2493	<i>Desi</i>	Ca_Desig_Chr03	18285039	(G/A)
26899	CadSNP2494	<i>Desi</i>	Ca_Desig_Chr03	18299725	(A/C)
26900	CadSNP2495	<i>Desi</i>	Ca_Desig_Chr03	18302796	(A/G)
26901	CadSNP2496	<i>Desi</i>	Ca_Desig_Chr03	18340225	(T/A)
26902	CadSNP2497	<i>Desi</i>	Ca_Desig_Chr03	18370632	(T/A)
26903	CadSNP2498	<i>Desi</i>	Ca_Desig_Chr03	18416125	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26904	CadSNP2499	<i>Desi</i>	Ca_Desig_Chr03	18416269	(C/T)
26905	CadSNP2500	<i>Desi</i>	Ca_Desig_Chr03	18437879	(C/A)
26906	CadSNP2501	<i>Desi</i>	Ca_Desig_Chr03	18439972	(A/G)
26907	CadSNP2502	<i>Desi</i>	Ca_Desig_Chr03	18440169	(A/G)
26908	CadSNP2503	<i>Desi</i>	Ca_Desig_Chr03	18440231	(C/T)
26909	CadSNP2504	<i>Desi</i>	Ca_Desig_Chr03	18440247	(A/C)
26910	CadSNP2505	<i>Desi</i>	Ca_Desig_Chr03	18440955	(A/C)
26911	CadSNP2506	<i>Desi</i>	Ca_Desig_Chr03	18444954	(G/A)
26912	CadSNP2507	<i>Desi</i>	Ca_Desig_Chr03	18444987	(C/T)
26913	CadSNP2508	<i>Desi</i>	Ca_Desig_Chr03	18445034	(G/A)
26914	CadSNP2509	<i>Desi</i>	Ca_Desig_Chr03	18445098	(G/A)
26915	CadSNP2510	<i>Desi</i>	Ca_Desig_Chr03	18445067	(G/A)
26916	CadSNP2511	<i>Desi</i>	Ca_Desig_Chr03	18446744	(A/C)
26917	CadSNP2512	<i>Desi</i>	Ca_Desig_Chr03	18448735	(G/T)
26918	CadSNP2513	<i>Desi</i>	Ca_Desig_Chr03	18448878	(A/C)
26919	CadSNP2514	<i>Desi</i>	Ca_Desig_Chr03	18461505	(T/C)
26920	CadSNP2515	<i>Desi</i>	Ca_Desig_Chr03	18461526	(T/C)
26921	CadSNP2516	<i>Desi</i>	Ca_Desig_Chr03	18461555	(T/C)
26922	CadSNP2517	<i>Desi</i>	Ca_Desig_Chr03	18461745	(G/A)
26923	CadSNP2518	<i>Desi</i>	Ca_Desig_Chr03	18461805	(A/G)
26924	CadSNP2519	<i>Desi</i>	Ca_Desig_Chr03	18486133	(T/C)
26925	CadSNP2520	<i>Desi</i>	Ca_Desig_Chr03	18486193	(T/G)
26926	CadSNP2521	<i>Desi</i>	Ca_Desig_Chr03	18486244	(C/A)
26927	CadSNP2522	<i>Desi</i>	Ca_Desig_Chr03	18500277	(C/G)
26928	CadSNP2523	<i>Desi</i>	Ca_Desig_Chr03	18530390	(A/G)
26929	CadSNP2524	<i>Desi</i>	Ca_Desig_Chr03	18530461	(A/G)
26930	CadSNP2525	<i>Desi</i>	Ca_Desig_Chr03	18573749	(A/C)
26931	CadSNP2526	<i>Desi</i>	Ca_Desig_Chr03	18652129	(T/C)
26932	CadSNP2527	<i>Desi</i>	Ca_Desig_Chr03	18667652	(A/G)
26933	CadSNP2528	<i>Desi</i>	Ca_Desig_Chr03	18667770	(T/A)
26934	CadSNP2529	<i>Desi</i>	Ca_Desig_Chr03	18682250	(A/G)
26935	CadSNP2530	<i>Desi</i>	Ca_Desig_Chr03	18702954	(C/T)
26936	CadSNP2531	<i>Desi</i>	Ca_Desig_Chr03	18703009	(G/T)
26937	CadSNP2532	<i>Desi</i>	Ca_Desig_Chr03	18703008	(C/A)
26938	CadSNP2533	<i>Desi</i>	Ca_Desig_Chr03	18703005	(G/A)
26939	CadSNP2534	<i>Desi</i>	Ca_Desig_Chr03	18715729	(G/C)
26940	CadSNP2535	<i>Desi</i>	Ca_Desig_Chr03	18818986	(A/C)
26941	CadSNP2536	<i>Desi</i>	Ca_Desig_Chr03	18818967	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26942	CadSNP2537	<i>Desi</i>	Ca_Desig_Chr03	18968448	(T/C)
26943	CadSNP2538	<i>Desi</i>	Ca_Desig_Chr03	18976059	(C/T)
26944	CadSNP2539	<i>Desi</i>	Ca_Desig_Chr03	18976309	(C/A)
26945	CadSNP2540	<i>Desi</i>	Ca_Desig_Chr03	18976346	(A/C)
26946	CadSNP2541	<i>Desi</i>	Ca_Desig_Chr03	18989078	(G/C)
26947	CadSNP2542	<i>Desi</i>	Ca_Desig_Chr03	18989029	(C/T)
26948	CadSNP2543	<i>Desi</i>	Ca_Desig_Chr03	19054144	(G/C)
26949	CadSNP2544	<i>Desi</i>	Ca_Desig_Chr03	19061973	(G/A)
26950	CadSNP2545	<i>Desi</i>	Ca_Desig_Chr03	19083604	(G/A)
26951	CadSNP2546	<i>Desi</i>	Ca_Desig_Chr03	19113194	(A/G)
26952	CadSNP2547	<i>Desi</i>	Ca_Desig_Chr03	19113403	(T/C)
26953	CadSNP2548	<i>Desi</i>	Ca_Desig_Chr03	19113488	(C/T)
26954	CadSNP2549	<i>Desi</i>	Ca_Desig_Chr03	19114097	(G/C)
26955	CadSNP2550	<i>Desi</i>	Ca_Desig_Chr03	19114100	(T/G)
26956	CadSNP2551	<i>Desi</i>	Ca_Desig_Chr03	19114103	(T/C)
26957	CadSNP2552	<i>Desi</i>	Ca_Desig_Chr03	19114106	(T/A)
26958	CadSNP2553	<i>Desi</i>	Ca_Desig_Chr03	19114160	(A/G)
26959	CadSNP2554	<i>Desi</i>	Ca_Desig_Chr03	19148843	(C/G)
26960	CadSNP2555	<i>Desi</i>	Ca_Desig_Chr03	19166405	(G/T)
26961	CadSNP2556	<i>Desi</i>	Ca_Desig_Chr03	19172991	(A/C)
26962	CadSNP2557	<i>Desi</i>	Ca_Desig_Chr03	19201730	(T/A)
26963	CadSNP2558	<i>Desi</i>	Ca_Desig_Chr03	19562105	(C/T)
26964	CadSNP2559	<i>Desi</i>	Ca_Desig_Chr03	19562079	(C/T)
26965	CadSNP2560	<i>Desi</i>	Ca_Desig_Chr03	19562232	(T/G)
26966	CadSNP2561	<i>Desi</i>	Ca_Desig_Chr03	19562374	(A/G)
26967	CadSNP2562	<i>Desi</i>	Ca_Desig_Chr03	19567077	(A/G)
26968	CadSNP2563	<i>Desi</i>	Ca_Desig_Chr03	19567072	(C/T)
26969	CadSNP2564	<i>Desi</i>	Ca_Desig_Chr03	19567059	(A/G)
26970	CadSNP2565	<i>Desi</i>	Ca_Desig_Chr03	19593350	(C/T)
26971	CadSNP2566	<i>Desi</i>	Ca_Desig_Chr03	19612103	(G/A)
26972	CadSNP2567	<i>Desi</i>	Ca_Desig_Chr03	19617421	(T/C)
26973	CadSNP2568	<i>Desi</i>	Ca_Desig_Chr03	19634559	(C/T)
26974	CadSNP2569	<i>Desi</i>	Ca_Desig_Chr03	19634540	(G/A)
26975	CadSNP2570	<i>Desi</i>	Ca_Desig_Chr03	19634515	(G/T)
26976	CadSNP2571	<i>Desi</i>	Ca_Desig_Chr03	19634618	(C/G)
26977	CadSNP2572	<i>Desi</i>	Ca_Desig_Chr03	19649177	(A/C)
26978	CadSNP2573	<i>Desi</i>	Ca_Desig_Chr03	19660296	(T/G)
26979	CadSNP2574	<i>Desi</i>	Ca_Desig_Chr03	19666249	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
26980	CadSNP2575	<i>Desi</i>	Ca_Desig_Chr03	19666243	(A/T)
26981	CadSNP2576	<i>Desi</i>	Ca_Desig_Chr03	19666239	(T/A)
26982	CadSNP2577	<i>Desi</i>	Ca_Desig_Chr03	19666229	(T/G)
26983	CadSNP2578	<i>Desi</i>	Ca_Desig_Chr03	19672916	(C/T)
26984	CadSNP2579	<i>Desi</i>	Ca_Desig_Chr03	19673774	(A/G)
26985	CadSNP2580	<i>Desi</i>	Ca_Desig_Chr03	19674856	(T/G)
26986	CadSNP2581	<i>Desi</i>	Ca_Desig_Chr03	19702745	(C/T)
26987	CadSNP2582	<i>Desi</i>	Ca_Desig_Chr03	19702753	(T/G)
26988	CadSNP2583	<i>Desi</i>	Ca_Desig_Chr03	19702779	(G/A)
26989	CadSNP2584	<i>Desi</i>	Ca_Desig_Chr03	19707456	(T/C)
26990	CadSNP2585	<i>Desi</i>	Ca_Desig_Chr03	19707424	(G/C)
26991	CadSNP2586	<i>Desi</i>	Ca_Desig_Chr03	19707556	(C/T)
26992	CadSNP2587	<i>Desi</i>	Ca_Desig_Chr03	19707735	(A/G)
26993	CadSNP2588	<i>Desi</i>	Ca_Desig_Chr03	19707742	(G/A)
26994	CadSNP2589	<i>Desi</i>	Ca_Desig_Chr03	19710005	(T/C)
26995	CadSNP2590	<i>Desi</i>	Ca_Desig_Chr03	19710036	(T/C)
26996	CadSNP2591	<i>Desi</i>	Ca_Desig_Chr03	19710066	(A/T)
26997	CadSNP2592	<i>Desi</i>	Ca_Desig_Chr03	19715908	(A/G)
26998	CadSNP2593	<i>Desi</i>	Ca_Desig_Chr03	19715915	(G/A)
26999	CadSNP2594	<i>Desi</i>	Ca_Desig_Chr03	19779276	(A/T)
27000	CadSNP2595	<i>Desi</i>	Ca_Desig_Chr03	19779288	(G/A)
27001	CadSNP2596	<i>Desi</i>	Ca_Desig_Chr03	19779292	(C/G)
27002	CadSNP2597	<i>Desi</i>	Ca_Desig_Chr03	19781105	(C/G)
27003	CadSNP2598	<i>Desi</i>	Ca_Desig_Chr03	19781127	(T/C)
27004	CadSNP2599	<i>Desi</i>	Ca_Desig_Chr03	19781156	(T/C)
27005	CadSNP2600	<i>Desi</i>	Ca_Desig_Chr03	19821918	(T/G)
27006	CadSNP2601	<i>Desi</i>	Ca_Desig_Chr03	19826899	(A/G)
27007	CadSNP2602	<i>Desi</i>	Ca_Desig_Chr03	19827539	(T/G)
27008	CadSNP2603	<i>Desi</i>	Ca_Desig_Chr03	19827573	(C/T)
27009	CadSNP2604	<i>Desi</i>	Ca_Desig_Chr03	19844515	(C/G)
27010	CadSNP2605	<i>Desi</i>	Ca_Desig_Chr03	19857684	(G/A)
27011	CadSNP2606	<i>Desi</i>	Ca_Desig_Chr03	19868544	(A/C)
27012	CadSNP2607	<i>Desi</i>	Ca_Desig_Chr03	19873907	(C/G)
27013	CadSNP2608	<i>Desi</i>	Ca_Desig_Chr03	19877477	(T/G)
27014	CadSNP2609	<i>Desi</i>	Ca_Desig_Chr03	19895631	(C/A)
27015	CadSNP2610	<i>Desi</i>	Ca_Desig_Chr03	19897330	(G/A)
27016	CadSNP2611	<i>Desi</i>	Ca_Desig_Chr03	19897394	(C/T)
27017	CadSNP2612	<i>Desi</i>	Ca_Desig_Chr03	19898864	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27018	CadSNP2613	<i>Desi</i>	Ca_Desig_Chr03	19899536	(C/T)
27019	CadSNP2614	<i>Desi</i>	Ca_Desig_Chr03	19899597	(C/A)
27020	CadSNP2615	<i>Desi</i>	Ca_Desig_Chr03	19899599	(A/G)
27021	CadSNP2616	<i>Desi</i>	Ca_Desig_Chr03	19899620	(G/T)
27022	CadSNP2617	<i>Desi</i>	Ca_Desig_Chr03	19899611	(G/T)
27023	CadSNP2618	<i>Desi</i>	Ca_Desig_Chr03	19899673	(C/G)
27024	CadSNP2619	<i>Desi</i>	Ca_Desig_Chr03	19899698	(G/T)
27025	CadSNP2620	<i>Desi</i>	Ca_Desig_Chr03	19921122	(T/C)
27026	CadSNP2621	<i>Desi</i>	Ca_Desig_Chr03	19925033	(T/C)
27027	CadSNP2622	<i>Desi</i>	Ca_Desig_Chr03	19925933	(G/T)
27028	CadSNP2623	<i>Desi</i>	Ca_Desig_Chr03	19925894	(C/T)
27029	CadSNP2624	<i>Desi</i>	Ca_Desig_Chr03	19925928	(A/G)
27030	CadSNP2625	<i>Desi</i>	Ca_Desig_Chr03	19925945	(G/T)
27031	CadSNP2626	<i>Desi</i>	Ca_Desig_Chr03	19965806	(T/C)
27032	CadSNP2627	<i>Desi</i>	Ca_Desig_Chr03	19965795	(T/G)
27033	CadSNP2628	<i>Desi</i>	Ca_Desig_Chr03	20002679	(C/T)
27034	CadSNP2629	<i>Desi</i>	Ca_Desig_Chr03	20002666	(G/T)
27035	CadSNP2630	<i>Desi</i>	Ca_Desig_Chr03	20002673	(G/A)
27036	CadSNP2631	<i>Desi</i>	Ca_Desig_Chr03	20023325	(T/C)
27037	CadSNP2632	<i>Desi</i>	Ca_Desig_Chr03	20023632	(T/A)
27038	CadSNP2633	<i>Desi</i>	Ca_Desig_Chr03	20023610	(T/C)
27039	CadSNP2634	<i>Desi</i>	Ca_Desig_Chr03	20023606	(G/T)
27040	CadSNP2635	<i>Desi</i>	Ca_Desig_Chr03	20023598	(A/G)
27041	CadSNP2636	<i>Desi</i>	Ca_Desig_Chr03	20023597	(C/T)
27042	CadSNP2637	<i>Desi</i>	Ca_Desig_Chr03	20023592	(A/G)
27043	CadSNP2638	<i>Desi</i>	Ca_Desig_Chr03	20023586	(G/T)
27044	CadSNP2639	<i>Desi</i>	Ca_Desig_Chr03	20023572	(T/C)
27045	CadSNP2640	<i>Desi</i>	Ca_Desig_Chr03	20040675	(A/G)
27046	CadSNP2641	<i>Desi</i>	Ca_Desig_Chr03	20040669	(C/T)
27047	CadSNP2642	<i>Desi</i>	Ca_Desig_Chr03	20040729	(T/A)
27048	CadSNP2643	<i>Desi</i>	Ca_Desig_Chr03	20085780	(T/C)
27049	CadSNP2644	<i>Desi</i>	Ca_Desig_Chr03	20085993	(A/G)
27050	CadSNP2645	<i>Desi</i>	Ca_Desig_Chr03	20085985	(T/G)
27051	CadSNP2646	<i>Desi</i>	Ca_Desig_Chr03	20085973	(G/T)
27052	CadSNP2647	<i>Desi</i>	Ca_Desig_Chr03	20103164	(G/A)
27053	CadSNP2648	<i>Desi</i>	Ca_Desig_Chr03	20103283	(A/G)
27054	CadSNP2649	<i>Desi</i>	Ca_Desig_Chr03	20120485	(C/T)
27055	CadSNP2650	<i>Desi</i>	Ca_Desig_Chr03	20120524	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27056	CadSNP2651	<i>Desi</i>	Ca_Desig_Chr03	20120527	(T/A)
27057	CadSNP2652	<i>Desi</i>	Ca_Desig_Chr03	20120529	(C/G)
27058	CadSNP2653	<i>Desi</i>	Ca_Desig_Chr03	20139253	(A/G)
27059	CadSNP2654	<i>Desi</i>	Ca_Desig_Chr03	20159856	(C/T)
27060	CadSNP2655	<i>Desi</i>	Ca_Desig_Chr03	20161445	(G/A)
27061	CadSNP2656	<i>Desi</i>	Ca_Desig_Chr03	20161447	(A/G)
27062	CadSNP2657	<i>Desi</i>	Ca_Desig_Chr03	20205815	(T/C)
27063	CadSNP2658	<i>Desi</i>	Ca_Desig_Chr03	20241816	(T/C)
27064	CadSNP2659	<i>Desi</i>	Ca_Desig_Chr03	20251494	(G/C)
27065	CadSNP2660	<i>Desi</i>	Ca_Desig_Chr03	20263158	(C/T)
27066	CadSNP2661	<i>Desi</i>	Ca_Desig_Chr03	20263132	(C/T)
27067	CadSNP2662	<i>Desi</i>	Ca_Desig_Chr03	20263125	(T/C)
27068	CadSNP2663	<i>Desi</i>	Ca_Desig_Chr03	20264396	(A/G)
27069	CadSNP2664	<i>Desi</i>	Ca_Desig_Chr03	20267244	(T/G)
27070	CadSNP2665	<i>Desi</i>	Ca_Desig_Chr03	20267317	(G/C)
27071	CadSNP2666	<i>Desi</i>	Ca_Desig_Chr03	20276932	(A/C)
27072	CadSNP2667	<i>Desi</i>	Ca_Desig_Chr03	20276944	(T/G)
27073	CadSNP2668	<i>Desi</i>	Ca_Desig_Chr03	20277002	(G/A)
27074	CadSNP2669	<i>Desi</i>	Ca_Desig_Chr03	20293230	(A/C)
27075	CadSNP2670	<i>Desi</i>	Ca_Desig_Chr03	20303278	(C/T)
27076	CadSNP2671	<i>Desi</i>	Ca_Desig_Chr03	20313862	(T/A)
27077	CadSNP2672	<i>Desi</i>	Ca_Desig_Chr03	20313923	(A/G)
27078	CadSNP2673	<i>Desi</i>	Ca_Desig_Chr03	20316744	(T/C)
27079	CadSNP2674	<i>Desi</i>	Ca_Desig_Chr03	20316797	(C/A)
27080	CadSNP2675	<i>Desi</i>	Ca_Desig_Chr03	20316902	(A/G)
27081	CadSNP2676	<i>Desi</i>	Ca_Desig_Chr03	20319272	(C/T)
27082	CadSNP2677	<i>Desi</i>	Ca_Desig_Chr03	20335521	(G/T)
27083	CadSNP2678	<i>Desi</i>	Ca_Desig_Chr03	20372617	(G/A)
27084	CadSNP2679	<i>Desi</i>	Ca_Desig_Chr03	20372609	(A/G)
27085	CadSNP2680	<i>Desi</i>	Ca_Desig_Chr03	20372731	(C/G)
27086	CadSNP2681	<i>Desi</i>	Ca_Desig_Chr03	20418933	(T/C)
27087	CadSNP2682	<i>Desi</i>	Ca_Desig_Chr03	20439532	(A/T)
27088	CadSNP2683	<i>Desi</i>	Ca_Desig_Chr03	20440511	(T/C)
27089	CadSNP2684	<i>Desi</i>	Ca_Desig_Chr03	20603607	(C/T)
27090	CadSNP2685	<i>Desi</i>	Ca_Desig_Chr03	20614613	(T/G)
27091	CadSNP2686	<i>Desi</i>	Ca_Desig_Chr03	20614542	(A/G)
27092	CadSNP2687	<i>Desi</i>	Ca_Desig_Chr03	21029404	(G/A)
27093	CadSNP2688	<i>Desi</i>	Ca_Desig_Chr03	21054058	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27094	CadSNP2689	<i>Desi</i>	Ca_Desig_Chr03	21058243	(A/C)
27095	CadSNP2690	<i>Desi</i>	Ca_Desig_Chr03	21063851	(T/G)
27096	CadSNP2691	<i>Desi</i>	Ca_Desig_Chr03	21063811	(T/A)
27097	CadSNP2692	<i>Desi</i>	Ca_Desig_Chr03	21114837	(C/T)
27098	CadSNP2693	<i>Desi</i>	Ca_Desig_Chr03	21114951	(T/C)
27099	CadSNP2694	<i>Desi</i>	Ca_Desig_Chr03	21114912	(C/A)
27100	CadSNP2695	<i>Desi</i>	Ca_Desig_Chr03	21115138	(A/G)
27101	CadSNP2696	<i>Desi</i>	Ca_Desig_Chr03	21180741	(T/G)
27102	CadSNP2697	<i>Desi</i>	Ca_Desig_Chr03	21180891	(A/G)
27103	CadSNP2698	<i>Desi</i>	Ca_Desig_Chr03	21191983	(C/T)
27104	CadSNP2699	<i>Desi</i>	Ca_Desig_Chr03	21193003	(A/C)
27105	CadSNP2700	<i>Desi</i>	Ca_Desig_Chr03	21209721	(A/G)
27106	CadSNP2701	<i>Desi</i>	Ca_Desig_Chr03	21211842	(C/T)
27107	CadSNP2702	<i>Desi</i>	Ca_Desig_Chr03	21211856	(A/T)
27108	CadSNP2703	<i>Desi</i>	Ca_Desig_Chr03	21278570	(T/A)
27109	CadSNP2704	<i>Desi</i>	Ca_Desig_Chr03	21278620	(C/A)
27110	CadSNP2705	<i>Desi</i>	Ca_Desig_Chr03	21291151	(T/C)
27111	CadSNP2706	<i>Desi</i>	Ca_Desig_Chr03	21291180	(C/A)
27112	CadSNP2707	<i>Desi</i>	Ca_Desig_Chr03	21291206	(A/G)
27113	CadSNP2708	<i>Desi</i>	Ca_Desig_Chr03	21393593	(T/C)
27114	CadSNP2709	<i>Desi</i>	Ca_Desig_Chr03	21419859	(A/G)
27115	CadSNP2710	<i>Desi</i>	Ca_Desig_Chr03	21419848	(A/G)
27116	CadSNP2711	<i>Desi</i>	Ca_Desig_Chr03	21419836	(C/T)
27117	CadSNP2712	<i>Desi</i>	Ca_Desig_Chr03	21425246	(T/C)
27118	CadSNP2713	<i>Desi</i>	Ca_Desig_Chr03	21437976	(A/G)
27119	CadSNP2714	<i>Desi</i>	Ca_Desig_Chr03	21516245	(A/G)
27120	CadSNP2715	<i>Desi</i>	Ca_Desig_Chr03	21588139	(G/A)
27121	CadSNP2716	<i>Desi</i>	Ca_Desig_Chr03	21588162	(C/A)
27122	CadSNP2717	<i>Desi</i>	Ca_Desig_Chr03	21588165	(A/T)
27123	CadSNP2718	<i>Desi</i>	Ca_Desig_Chr03	21588301	(G/A)
27124	CadSNP2719	<i>Desi</i>	Ca_Desig_Chr03	21588236	(T/G)
27125	CadSNP2720	<i>Desi</i>	Ca_Desig_Chr03	21592448	(A/G)
27126	CadSNP2721	<i>Desi</i>	Ca_Desig_Chr03	21593645	(T/C)
27127	CadSNP2722	<i>Desi</i>	Ca_Desig_Chr03	21593630	(C/A)
27128	CadSNP2723	<i>Desi</i>	Ca_Desig_Chr03	21593603	(C/T)
27129	CadSNP2724	<i>Desi</i>	Ca_Desig_Chr03	21622499	(C/G)
27130	CadSNP2725	<i>Desi</i>	Ca_Desig_Chr03	21624396	(T/A)
27131	CadSNP2726	<i>Desi</i>	Ca_Desig_Chr03	21624397	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27132	CadSNP2727	<i>Desi</i>	Ca_Desig_Chr03	21658230	(C/A)
27133	CadSNP2728	<i>Desi</i>	Ca_Desig_Chr03	21658322	(A/G)
27134	CadSNP2729	<i>Desi</i>	Ca_Desig_Chr03	21761580	(T/A)
27135	CadSNP2730	<i>Desi</i>	Ca_Desig_Chr03	21762576	(A/G)
27136	CadSNP2731	<i>Desi</i>	Ca_Desig_Chr03	21762720	(A/G)
27137	CadSNP2732	<i>Desi</i>	Ca_Desig_Chr03	21762712	(C/G)
27138	CadSNP2733	<i>Desi</i>	Ca_Desig_Chr03	21762671	(C/A)
27139	CadSNP2734	<i>Desi</i>	Ca_Desig_Chr03	21774308	(C/T)
27140	CadSNP2735	<i>Desi</i>	Ca_Desig_Chr03	21867155	(G/T)
27141	CadSNP2736	<i>Desi</i>	Ca_Desig_Chr03	21871721	(T/C)
27142	CadSNP2737	<i>Desi</i>	Ca_Desig_Chr03	21881134	(T/C)
27143	CadSNP2738	<i>Desi</i>	Ca_Desig_Chr03	21886035	(C/T)
27144	CadSNP2739	<i>Desi</i>	Ca_Desig_Chr03	21886036	(A/G)
27145	CadSNP2740	<i>Desi</i>	Ca_Desig_Chr03	21886097	(A/G)
27146	CadSNP2741	<i>Desi</i>	Ca_Desig_Chr03	21886113	(G/C)
27147	CadSNP2742	<i>Desi</i>	Ca_Desig_Chr03	21886234	(T/C)
27148	CadSNP2743	<i>Desi</i>	Ca_Desig_Chr03	21886644	(G/A)
27149	CadSNP2744	<i>Desi</i>	Ca_Desig_Chr03	21886654	(A/C)
27150	CadSNP2745	<i>Desi</i>	Ca_Desig_Chr03	21886681	(C/T)
27151	CadSNP2746	<i>Desi</i>	Ca_Desig_Chr03	21920950	(A/G)
27152	CadSNP2747	<i>Desi</i>	Ca_Desig_Chr03	21920971	(G/T)
27153	CadSNP2748	<i>Desi</i>	Ca_Desig_Chr03	21974573	(T/G)
27154	CadSNP2749	<i>Desi</i>	Ca_Desig_Chr03	22003711	(A/G)
27155	CadSNP2750	<i>Desi</i>	Ca_Desig_Chr03	22004833	(T/C)
27156	CadSNP2751	<i>Desi</i>	Ca_Desig_Chr03	22023174	(T/G)
27157	CadSNP2752	<i>Desi</i>	Ca_Desig_Chr03	22571666	(T/C)
27158	CadSNP2753	<i>Desi</i>	Ca_Desig_Chr03	22571728	(T/G)
27159	CadSNP2754	<i>Desi</i>	Ca_Desig_Chr03	22581290	(A/G)
27160	CadSNP2755	<i>Desi</i>	Ca_Desig_Chr03	22670433	(G/C)
27161	CadSNP2756	<i>Desi</i>	Ca_Desig_Chr03	22670503	(C/T)
27162	CadSNP2757	<i>Desi</i>	Ca_Desig_Chr03	22670535	(A/G)
27163	CadSNP2758	<i>Desi</i>	Ca_Desig_Chr03	22670692	(A/G)
27164	CadSNP2759	<i>Desi</i>	Ca_Desig_Chr03	22670710	(G/A)
27165	CadSNP2760	<i>Desi</i>	Ca_Desig_Chr03	22685623	(C/A)
27166	CadSNP2761	<i>Desi</i>	Ca_Desig_Chr03	22685641	(C/A)
27167	CadSNP2762	<i>Desi</i>	Ca_Desig_Chr03	22685662	(T/G)
27168	CadSNP2763	<i>Desi</i>	Ca_Desig_Chr03	22687823	(C/T)
27169	CadSNP2764	<i>Desi</i>	Ca_Desig_Chr03	22693336	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27170	CadSNP2765	<i>Desi</i>	Ca_Desig_Chr03	22693426	(G/T)
27171	CadSNP2766	<i>Desi</i>	Ca_Desig_Chr03	22693424	(G/A)
27172	CadSNP2767	<i>Desi</i>	Ca_Desig_Chr03	22693402	(A/G)
27173	CadSNP2768	<i>Desi</i>	Ca_Desig_Chr03	22698803	(T/G)
27174	CadSNP2769	<i>Desi</i>	Ca_Desig_Chr03	22737981	(G/A)
27175	CadSNP2770	<i>Desi</i>	Ca_Desig_Chr03	22837612	(T/A)
27176	CadSNP2771	<i>Desi</i>	Ca_Desig_Chr03	22837572	(T/C)
27177	CadSNP2772	<i>Desi</i>	Ca_Desig_Chr03	22880880	(C/G)
27178	CadSNP2773	<i>Desi</i>	Ca_Desig_Chr03	22903529	(C/T)
27179	CadSNP2774	<i>Desi</i>	Ca_Desig_Chr03	22903538	(G/A)
27180	CadSNP2775	<i>Desi</i>	Ca_Desig_Chr03	22903613	(G/A)
27181	CadSNP2776	<i>Desi</i>	Ca_Desig_Chr03	22903598	(C/A)
27182	CadSNP2777	<i>Desi</i>	Ca_Desig_Chr03	22903664	(G/A)
27183	CadSNP2778	<i>Desi</i>	Ca_Desig_Chr03	22973073	(T/C)
27184	CadSNP2779	<i>Desi</i>	Ca_Desig_Chr03	22980522	(G/A)
27185	CadSNP2780	<i>Desi</i>	Ca_Desig_Chr03	22980534	(C/G)
27186	CadSNP2781	<i>Desi</i>	Ca_Desig_Chr03	22980578	(A/G)
27187	CadSNP2782	<i>Desi</i>	Ca_Desig_Chr03	22984947	(G/C)
27188	CadSNP2783	<i>Desi</i>	Ca_Desig_Chr03	22985057	(C/T)
27189	CadSNP2784	<i>Desi</i>	Ca_Desig_Chr03	22992410	(G/A)
27190	CadSNP2785	<i>Desi</i>	Ca_Desig_Chr03	22992503	(G/A)
27191	CadSNP2786	<i>Desi</i>	Ca_Desig_Chr03	22992745	(G/A)
27192	CadSNP2787	<i>Desi</i>	Ca_Desig_Chr03	22992748	(C/T)
27193	CadSNP2788	<i>Desi</i>	Ca_Desig_Chr03	22992776	(A/G)
27194	CadSNP2789	<i>Desi</i>	Ca_Desig_Chr03	23024245	(G/A)
27195	CadSNP2790	<i>Desi</i>	Ca_Desig_Chr03	23024242	(T/G)
27196	CadSNP2791	<i>Desi</i>	Ca_Desig_Chr03	23025239	(A/C)
27197	CadSNP2792	<i>Desi</i>	Ca_Desig_Chr03	23052262	(A/G)
27198	CadSNP2793	<i>Desi</i>	Ca_Desig_Chr03	23056374	(G/A)
27199	CadSNP2794	<i>Desi</i>	Ca_Desig_Chr03	23108909	(G/A)
27200	CadSNP2795	<i>Desi</i>	Ca_Desig_Chr03	23108971	(A/G)
27201	CadSNP2796	<i>Desi</i>	Ca_Desig_Chr03	23111353	(C/T)
27202	CadSNP2797	<i>Desi</i>	Ca_Desig_Chr03	23111354	(C/T)
27203	CadSNP2798	<i>Desi</i>	Ca_Desig_Chr03	23111457	(A/G)
27204	CadSNP2799	<i>Desi</i>	Ca_Desig_Chr03	23111450	(G/A)
27205	CadSNP2800	<i>Desi</i>	Ca_Desig_Chr03	23119386	(C/T)
27206	CadSNP2801	<i>Desi</i>	Ca_Desig_Chr03	23119464	(G/A)
27207	CadSNP2802	<i>Desi</i>	Ca_Desig_Chr03	23144183	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27208	CadSNP2803	<i>Desi</i>	Ca_Desig_Chr03	23144185	(G/T)
27209	CadSNP2804	<i>Desi</i>	Ca_Desig_Chr03	23144197	(T/C)
27210	CadSNP2805	<i>Desi</i>	Ca_Desig_Chr03	23144247	(A/C)
27211	CadSNP2806	<i>Desi</i>	Ca_Desig_Chr03	23157641	(C/A)
27212	CadSNP2807	<i>Desi</i>	Ca_Desig_Chr03	23157661	(A/G)
27213	CadSNP2808	<i>Desi</i>	Ca_Desig_Chr03	23164333	(A/G)
27214	CadSNP2809	<i>Desi</i>	Ca_Desig_Chr03	23164356	(T/C)
27215	CadSNP2810	<i>Desi</i>	Ca_Desig_Chr03	23164362	(G/C)
27216	CadSNP2811	<i>Desi</i>	Ca_Desig_Chr03	23164363	(T/C)
27217	CadSNP2812	<i>Desi</i>	Ca_Desig_Chr03	23164365	(A/T)
27218	CadSNP2813	<i>Desi</i>	Ca_Desig_Chr03	23164372	(A/C)
27219	CadSNP2814	<i>Desi</i>	Ca_Desig_Chr03	23164373	(G/T)
27220	CadSNP2815	<i>Desi</i>	Ca_Desig_Chr03	23164374	(G/T)
27221	CadSNP2816	<i>Desi</i>	Ca_Desig_Chr03	23164375	(T/G)
27222	CadSNP2817	<i>Desi</i>	Ca_Desig_Chr03	23164380	(G/A)
27223	CadSNP2818	<i>Desi</i>	Ca_Desig_Chr03	23164474	(A/G)
27224	CadSNP2819	<i>Desi</i>	Ca_Desig_Chr03	23164499	(T/C)
27225	CadSNP2820	<i>Desi</i>	Ca_Desig_Chr03	23167177	(A/C)
27226	CadSNP2821	<i>Desi</i>	Ca_Desig_Chr03	23325891	(C/A)
27227	CadSNP2822	<i>Desi</i>	Ca_Desig_Chr03	23330342	(G/A)
27228	CadSNP2823	<i>Desi</i>	Ca_Desig_Chr04	35399	(C/T)
27229	CadSNP2824	<i>Desi</i>	Ca_Desig_Chr04	35603	(T/C)
27230	CadSNP2825	<i>Desi</i>	Ca_Desig_Chr04	35602	(C/A)
27231	CadSNP2826	<i>Desi</i>	Ca_Desig_Chr04	35675	(A/G)
27232	CadSNP2827	<i>Desi</i>	Ca_Desig_Chr04	35763	(G/T)
27233	CadSNP2828	<i>Desi</i>	Ca_Desig_Chr04	122917	(C/T)
27234	CadSNP2829	<i>Desi</i>	Ca_Desig_Chr04	123046	(A/G)
27235	CadSNP2830	<i>Desi</i>	Ca_Desig_Chr04	145927	(G/A)
27236	CadSNP2831	<i>Desi</i>	Ca_Desig_Chr04	151462	(G/C)
27237	CadSNP2832	<i>Desi</i>	Ca_Desig_Chr04	156944	(C/T)
27238	CadSNP2833	<i>Desi</i>	Ca_Desig_Chr04	198665	(C/T)
27239	CadSNP2834	<i>Desi</i>	Ca_Desig_Chr04	198670	(C/T)
27240	CadSNP2835	<i>Desi</i>	Ca_Desig_Chr04	198796	(T/C)
27241	CadSNP2836	<i>Desi</i>	Ca_Desig_Chr04	208481	(C/A)
27242	CadSNP2837	<i>Desi</i>	Ca_Desig_Chr04	223008	(A/G)
27243	CadSNP2838	<i>Desi</i>	Ca_Desig_Chr04	223012	(G/T)
27244	CadSNP2839	<i>Desi</i>	Ca_Desig_Chr04	223059	(A/C)
27245	CadSNP2840	<i>Desi</i>	Ca_Desig_Chr04	223101	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27246	CadSNP2841	<i>Desi</i>	Ca_Desig_Chr04	232316	(A/T)
27247	CadSNP2842	<i>Desi</i>	Ca_Desig_Chr04	232426	(G/T)
27248	CadSNP2843	<i>Desi</i>	Ca_Desig_Chr04	241125	(G/A)
27249	CadSNP2844	<i>Desi</i>	Ca_Desig_Chr04	242163	(C/A)
27250	CadSNP2845	<i>Desi</i>	Ca_Desig_Chr04	242343	(G/A)
27251	CadSNP2846	<i>Desi</i>	Ca_Desig_Chr04	256346	(G/C)
27252	CadSNP2847	<i>Desi</i>	Ca_Desig_Chr04	334848	(T/C)
27253	CadSNP2848	<i>Desi</i>	Ca_Desig_Chr04	334789	(G/C)
27254	CadSNP2849	<i>Desi</i>	Ca_Desig_Chr04	340829	(A/G)
27255	CadSNP2850	<i>Desi</i>	Ca_Desig_Chr04	345799	(T/C)
27256	CadSNP2851	<i>Desi</i>	Ca_Desig_Chr04	345813	(G/A)
27257	CadSNP2852	<i>Desi</i>	Ca_Desig_Chr04	348344	(A/G)
27258	CadSNP2853	<i>Desi</i>	Ca_Desig_Chr04	348384	(T/C)
27259	CadSNP2854	<i>Desi</i>	Ca_Desig_Chr04	348629	(G/A)
27260	CadSNP2855	<i>Desi</i>	Ca_Desig_Chr04	348850	(C/T)
27261	CadSNP2856	<i>Desi</i>	Ca_Desig_Chr04	354150	(A/T)
27262	CadSNP2857	<i>Desi</i>	Ca_Desig_Chr04	367835	(A/C)
27263	CadSNP2858	<i>Desi</i>	Ca_Desig_Chr04	367829	(A/C)
27264	CadSNP2859	<i>Desi</i>	Ca_Desig_Chr04	367860	(A/G)
27265	CadSNP2860	<i>Desi</i>	Ca_Desig_Chr04	367869	(G/A)
27266	CadSNP2861	<i>Desi</i>	Ca_Desig_Chr04	367943	(G/A)
27267	CadSNP2862	<i>Desi</i>	Ca_Desig_Chr04	368237	(C/T)
27268	CadSNP2863	<i>Desi</i>	Ca_Desig_Chr04	368285	(G/C)
27269	CadSNP2864	<i>Desi</i>	Ca_Desig_Chr04	368270	(A/G)
27270	CadSNP2865	<i>Desi</i>	Ca_Desig_Chr04	368472	(C/T)
27271	CadSNP2866	<i>Desi</i>	Ca_Desig_Chr04	368438	(T/G)
27272	CadSNP2867	<i>Desi</i>	Ca_Desig_Chr04	368435	(T/A)
27273	CadSNP2868	<i>Desi</i>	Ca_Desig_Chr04	368416	(T/C)
27274	CadSNP2869	<i>Desi</i>	Ca_Desig_Chr04	371659	(G/T)
27275	CadSNP2870	<i>Desi</i>	Ca_Desig_Chr04	371710	(C/A)
27276	CadSNP2871	<i>Desi</i>	Ca_Desig_Chr04	371754	(A/T)
27277	CadSNP2872	<i>Desi</i>	Ca_Desig_Chr04	372646	(G/T)
27278	CadSNP2873	<i>Desi</i>	Ca_Desig_Chr04	372810	(G/C)
27279	CadSNP2874	<i>Desi</i>	Ca_Desig_Chr04	372806	(T/C)
27280	CadSNP2875	<i>Desi</i>	Ca_Desig_Chr04	372779	(G/A)
27281	CadSNP2876	<i>Desi</i>	Ca_Desig_Chr04	404560	(T/G)
27282	CadSNP2877	<i>Desi</i>	Ca_Desig_Chr04	404617	(T/C)
27283	CadSNP2878	<i>Desi</i>	Ca_Desig_Chr04	404656	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27284	CadSNP2879	<i>Desi</i>	Ca_Desig_Chr04	404703	(G/T)
27285	CadSNP2880	<i>Desi</i>	Ca_Desig_Chr04	677321	(A/G)
27286	CadSNP2881	<i>Desi</i>	Ca_Desig_Chr04	682478	(T/C)
27287	CadSNP2882	<i>Desi</i>	Ca_Desig_Chr04	682574	(G/A)
27288	CadSNP2883	<i>Desi</i>	Ca_Desig_Chr04	682894	(C/G)
27289	CadSNP2884	<i>Desi</i>	Ca_Desig_Chr04	708922	(C/T)
27290	CadSNP2885	<i>Desi</i>	Ca_Desig_Chr04	719446	(G/A)
27291	CadSNP2886	<i>Desi</i>	Ca_Desig_Chr04	719505	(G/A)
27292	CadSNP2887	<i>Desi</i>	Ca_Desig_Chr04	719593	(G/A)
27293	CadSNP2888	<i>Desi</i>	Ca_Desig_Chr04	719545	(A/C)
27294	CadSNP2889	<i>Desi</i>	Ca_Desig_Chr04	725822	(G/A)
27295	CadSNP2890	<i>Desi</i>	Ca_Desig_Chr04	725870	(C/T)
27296	CadSNP2891	<i>Desi</i>	Ca_Desig_Chr04	748245	(A/G)
27297	CadSNP2892	<i>Desi</i>	Ca_Desig_Chr04	748557	(A/T)
27298	CadSNP2893	<i>Desi</i>	Ca_Desig_Chr04	748659	(G/A)
27299	CadSNP2894	<i>Desi</i>	Ca_Desig_Chr04	771325	(C/T)
27300	CadSNP2895	<i>Desi</i>	Ca_Desig_Chr04	856351	(C/T)
27301	CadSNP2896	<i>Desi</i>	Ca_Desig_Chr04	856412	(C/T)
27302	CadSNP2897	<i>Desi</i>	Ca_Desig_Chr04	889515	(C/G)
27303	CadSNP2898	<i>Desi</i>	Ca_Desig_Chr04	889499	(C/T)
27304	CadSNP2899	<i>Desi</i>	Ca_Desig_Chr04	1022009	(A/G)
27305	CadSNP2900	<i>Desi</i>	Ca_Desig_Chr04	1050852	(T/C)
27306	CadSNP2901	<i>Desi</i>	Ca_Desig_Chr04	1104716	(C/T)
27307	CadSNP2902	<i>Desi</i>	Ca_Desig_Chr04	1104683	(A/C)
27308	CadSNP2903	<i>Desi</i>	Ca_Desig_Chr04	1105304	(T/C)
27309	CadSNP2904	<i>Desi</i>	Ca_Desig_Chr04	1105335	(A/G)
27310	CadSNP2905	<i>Desi</i>	Ca_Desig_Chr04	1150567	(A/G)
27311	CadSNP2906	<i>Desi</i>	Ca_Desig_Chr04	1153521	(A/G)
27312	CadSNP2907	<i>Desi</i>	Ca_Desig_Chr04	1183727	(T/G)
27313	CadSNP2908	<i>Desi</i>	Ca_Desig_Chr04	1183987	(G/A)
27314	CadSNP2909	<i>Desi</i>	Ca_Desig_Chr04	1183972	(G/A)
27315	CadSNP2910	<i>Desi</i>	Ca_Desig_Chr04	1224856	(C/T)
27316	CadSNP2911	<i>Desi</i>	Ca_Desig_Chr04	1225164	(G/A)
27317	CadSNP2912	<i>Desi</i>	Ca_Desig_Chr04	1225211	(G/A)
27318	CadSNP2913	<i>Desi</i>	Ca_Desig_Chr04	1225209	(A/G)
27319	CadSNP2914	<i>Desi</i>	Ca_Desig_Chr04	1226846	(C/G)
27320	CadSNP2915	<i>Desi</i>	Ca_Desig_Chr04	1227014	(A/G)
27321	CadSNP2916	<i>Desi</i>	Ca_Desig_Chr04	1228391	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27322	CadSNP2917	<i>Desi</i>	Ca_Desig_Chr04	1248441	(T/G)
27323	CadSNP2918	<i>Desi</i>	Ca_Desig_Chr04	1248476	(A/G)
27324	CadSNP2919	<i>Desi</i>	Ca_Desig_Chr04	1248565	(A/T)
27325	CadSNP2920	<i>Desi</i>	Ca_Desig_Chr04	1323302	(A/C)
27326	CadSNP2921	<i>Desi</i>	Ca_Desig_Chr04	1324126	(G/A)
27327	CadSNP2922	<i>Desi</i>	Ca_Desig_Chr04	1324195	(C/T)
27328	CadSNP2923	<i>Desi</i>	Ca_Desig_Chr04	1324173	(C/T)
27329	CadSNP2924	<i>Desi</i>	Ca_Desig_Chr04	1770479	(A/C)
27330	CadSNP2925	<i>Desi</i>	Ca_Desig_Chr04	1770493	(T/G)
27331	CadSNP2926	<i>Desi</i>	Ca_Desig_Chr04	1829731	(T/C)
27332	CadSNP2927	<i>Desi</i>	Ca_Desig_Chr04	1988478	(T/C)
27333	CadSNP2928	<i>Desi</i>	Ca_Desig_Chr04	2040839	(A/G)
27334	CadSNP2929	<i>Desi</i>	Ca_Desig_Chr04	2042524	(T/A)
27335	CadSNP2930	<i>Desi</i>	Ca_Desig_Chr04	2042496	(T/C)
27336	CadSNP2931	<i>Desi</i>	Ca_Desig_Chr04	2051133	(T/A)
27337	CadSNP2932	<i>Desi</i>	Ca_Desig_Chr04	2057260	(G/C)
27338	CadSNP2933	<i>Desi</i>	Ca_Desig_Chr04	2174628	(C/T)
27339	CadSNP2934	<i>Desi</i>	Ca_Desig_Chr04	2175016	(A/G)
27340	CadSNP2935	<i>Desi</i>	Ca_Desig_Chr04	2391129	(C/A)
27341	CadSNP2936	<i>Desi</i>	Ca_Desig_Chr04	2391146	(T/C)
27342	CadSNP2937	<i>Desi</i>	Ca_Desig_Chr04	2391174	(A/G)
27343	CadSNP2938	<i>Desi</i>	Ca_Desig_Chr04	2391186	(A/T)
27344	CadSNP2939	<i>Desi</i>	Ca_Desig_Chr04	2391194	(A/T)
27345	CadSNP2940	<i>Desi</i>	Ca_Desig_Chr04	2391342	(C/G)
27346	CadSNP2941	<i>Desi</i>	Ca_Desig_Chr04	2391280	(C/T)
27347	CadSNP2942	<i>Desi</i>	Ca_Desig_Chr04	2391276	(A/G)
27348	CadSNP2943	<i>Desi</i>	Ca_Desig_Chr04	2396211	(A/G)
27349	CadSNP2944	<i>Desi</i>	Ca_Desig_Chr04	2396485	(G/A)
27350	CadSNP2945	<i>Desi</i>	Ca_Desig_Chr04	2397043	(C/A)
27351	CadSNP2946	<i>Desi</i>	Ca_Desig_Chr04	2410917	(C/G)
27352	CadSNP2947	<i>Desi</i>	Ca_Desig_Chr04	2410923	(C/A)
27353	CadSNP2948	<i>Desi</i>	Ca_Desig_Chr04	2451203	(G/C)
27354	CadSNP2949	<i>Desi</i>	Ca_Desig_Chr04	2451209	(A/G)
27355	CadSNP2950	<i>Desi</i>	Ca_Desig_Chr04	2451219	(C/G)
27356	CadSNP2951	<i>Desi</i>	Ca_Desig_Chr04	2451258	(A/G)
27357	CadSNP2952	<i>Desi</i>	Ca_Desig_Chr04	2474344	(A/G)
27358	CadSNP2953	<i>Desi</i>	Ca_Desig_Chr04	2474361	(A/T)
27359	CadSNP2954	<i>Desi</i>	Ca_Desig_Chr04	2474371	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27360	CadSNP2955	<i>Desi</i>	Ca_Desig_Chr04	2474428	(A/G)
27361	CadSNP2956	<i>Desi</i>	Ca_Desig_Chr04	2474439	(G/A)
27362	CadSNP2957	<i>Desi</i>	Ca_Desig_Chr04	2474445	(T/C)
27363	CadSNP2958	<i>Desi</i>	Ca_Desig_Chr04	2474458	(T/C)
27364	CadSNP2959	<i>Desi</i>	Ca_Desig_Chr04	2474472	(G/T)
27365	CadSNP2960	<i>Desi</i>	Ca_Desig_Chr04	2511853	(C/T)
27366	CadSNP2961	<i>Desi</i>	Ca_Desig_Chr04	2511841	(G/T)
27367	CadSNP2962	<i>Desi</i>	Ca_Desig_Chr04	2511815	(T/C)
27368	CadSNP2963	<i>Desi</i>	Ca_Desig_Chr04	2548463	(G/A)
27369	CadSNP2964	<i>Desi</i>	Ca_Desig_Chr04	2620978	(G/A)
27370	CadSNP2965	<i>Desi</i>	Ca_Desig_Chr04	2620974	(A/G)
27371	CadSNP2966	<i>Desi</i>	Ca_Desig_Chr04	2620933	(T/A)
27372	CadSNP2967	<i>Desi</i>	Ca_Desig_Chr04	2750818	(T/C)
27373	CadSNP2968	<i>Desi</i>	Ca_Desig_Chr04	2750844	(G/A)
27374	CadSNP2969	<i>Desi</i>	Ca_Desig_Chr04	2750863	(A/C)
27375	CadSNP2970	<i>Desi</i>	Ca_Desig_Chr04	2751571	(G/T)
27376	CadSNP2971	<i>Desi</i>	Ca_Desig_Chr04	2761588	(C/T)
27377	CadSNP2972	<i>Desi</i>	Ca_Desig_Chr04	2761592	(G/A)
27378	CadSNP2973	<i>Desi</i>	Ca_Desig_Chr04	2761601	(A/G)
27379	CadSNP2974	<i>Desi</i>	Ca_Desig_Chr04	2761640	(A/G)
27380	CadSNP2975	<i>Desi</i>	Ca_Desig_Chr04	2761644	(A/C)
27381	CadSNP2976	<i>Desi</i>	Ca_Desig_Chr04	2761654	(G/C)
27382	CadSNP2977	<i>Desi</i>	Ca_Desig_Chr04	2873185	(C/T)
27383	CadSNP2978	<i>Desi</i>	Ca_Desig_Chr04	2873186	(G/A)
27384	CadSNP2979	<i>Desi</i>	Ca_Desig_Chr04	2882647	(G/A)
27385	CadSNP2980	<i>Desi</i>	Ca_Desig_Chr04	2906750	(T/G)
27386	CadSNP2981	<i>Desi</i>	Ca_Desig_Chr04	2977378	(C/T)
27387	CadSNP2982	<i>Desi</i>	Ca_Desig_Chr04	2977367	(G/A)
27388	CadSNP2983	<i>Desi</i>	Ca_Desig_Chr04	2999779	(T/C)
27389	CadSNP2984	<i>Desi</i>	Ca_Desig_Chr04	2999849	(T/C)
27390	CadSNP2985	<i>Desi</i>	Ca_Desig_Chr04	3006532	(A/G)
27391	CadSNP2986	<i>Desi</i>	Ca_Desig_Chr04	3006693	(C/T)
27392	CadSNP2987	<i>Desi</i>	Ca_Desig_Chr04	3006687	(C/G)
27393	CadSNP2988	<i>Desi</i>	Ca_Desig_Chr04	3006631	(C/A)
27394	CadSNP2989	<i>Desi</i>	Ca_Desig_Chr04	3006619	(A/G)
27395	CadSNP2990	<i>Desi</i>	Ca_Desig_Chr04	3010593	(A/G)
27396	CadSNP2991	<i>Desi</i>	Ca_Desig_Chr04	3010706	(C/T)
27397	CadSNP2992	<i>Desi</i>	Ca_Desig_Chr04	3010670	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27398	CadSNP2993	<i>Desi</i>	Ca_Desig_Chr04	3055686	(A/C)
27399	CadSNP2994	<i>Desi</i>	Ca_Desig_Chr04	3055720	(G/A)
27400	CadSNP2995	<i>Desi</i>	Ca_Desig_Chr04	3063731	(C/T)
27401	CadSNP2996	<i>Desi</i>	Ca_Desig_Chr04	3063862	(C/A)
27402	CadSNP2997	<i>Desi</i>	Ca_Desig_Chr04	3063854	(G/A)
27403	CadSNP2998	<i>Desi</i>	Ca_Desig_Chr04	3063852	(A/G)
27404	CadSNP2999	<i>Desi</i>	Ca_Desig_Chr04	3063851	(G/T)
27405	CadSNP3000	<i>Desi</i>	Ca_Desig_Chr04	3063807	(T/C)
27406	CadSNP3001	<i>Desi</i>	Ca_Desig_Chr04	3070824	(G/A)
27407	CadSNP3002	<i>Desi</i>	Ca_Desig_Chr04	3070931	(G/A)
27408	CadSNP3003	<i>Desi</i>	Ca_Desig_Chr04	3070862	(C/T)
27409	CadSNP3004	<i>Desi</i>	Ca_Desig_Chr04	3070859	(T/G)
27410	CadSNP3005	<i>Desi</i>	Ca_Desig_Chr04	3070853	(C/T)
27411	CadSNP3006	<i>Desi</i>	Ca_Desig_Chr04	3137877	(T/C)
27412	CadSNP3007	<i>Desi</i>	Ca_Desig_Chr04	3163309	(A/G)
27413	CadSNP3008	<i>Desi</i>	Ca_Desig_Chr04	3163344	(G/C)
27414	CadSNP3009	<i>Desi</i>	Ca_Desig_Chr04	3180685	(T/C)
27415	CadSNP3010	<i>Desi</i>	Ca_Desig_Chr04	3180657	(A/C)
27416	CadSNP3011	<i>Desi</i>	Ca_Desig_Chr04	3248892	(C/T)
27417	CadSNP3012	<i>Desi</i>	Ca_Desig_Chr04	3248872	(G/C)
27418	CadSNP3013	<i>Desi</i>	Ca_Desig_Chr04	3343694	(C/T)
27419	CadSNP3014	<i>Desi</i>	Ca_Desig_Chr04	3343721	(A/T)
27420	CadSNP3015	<i>Desi</i>	Ca_Desig_Chr04	3343723	(A/G)
27421	CadSNP3016	<i>Desi</i>	Ca_Desig_Chr04	3343827	(G/A)
27422	CadSNP3017	<i>Desi</i>	Ca_Desig_Chr04	3379061	(A/G)
27423	CadSNP3018	<i>Desi</i>	Ca_Desig_Chr04	3379084	(C/T)
27424	CadSNP3019	<i>Desi</i>	Ca_Desig_Chr04	3379088	(T/C)
27425	CadSNP3020	<i>Desi</i>	Ca_Desig_Chr04	3379091	(A/T)
27426	CadSNP3021	<i>Desi</i>	Ca_Desig_Chr04	3379100	(C/T)
27427	CadSNP3022	<i>Desi</i>	Ca_Desig_Chr04	3379109	(C/T)
27428	CadSNP3023	<i>Desi</i>	Ca_Desig_Chr04	3379122	(T/C)
27429	CadSNP3024	<i>Desi</i>	Ca_Desig_Chr04	3393909	(C/T)
27430	CadSNP3025	<i>Desi</i>	Ca_Desig_Chr04	3414945	(G/T)
27431	CadSNP3026	<i>Desi</i>	Ca_Desig_Chr04	3417271	(T/C)
27432	CadSNP3027	<i>Desi</i>	Ca_Desig_Chr04	3417366	(T/C)
27433	CadSNP3028	<i>Desi</i>	Ca_Desig_Chr04	3440152	(T/A)
27434	CadSNP3029	<i>Desi</i>	Ca_Desig_Chr04	3475260	(A/T)
27435	CadSNP3030	<i>Desi</i>	Ca_Desig_Chr04	3584126	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27436	CadSNP3031	<i>Desi</i>	Ca_Desig_Chr04	3596680	(T/G)
27437	CadSNP3032	<i>Desi</i>	Ca_Desig_Chr04	3596678	(T/C)
27438	CadSNP3033	<i>Desi</i>	Ca_Desig_Chr04	3638644	(A/G)
27439	CadSNP3034	<i>Desi</i>	Ca_Desig_Chr04	3638688	(T/C)
27440	CadSNP3035	<i>Desi</i>	Ca_Desig_Chr04	3638662	(G/T)
27441	CadSNP3036	<i>Desi</i>	Ca_Desig_Chr04	3638653	(A/G)
27442	CadSNP3037	<i>Desi</i>	Ca_Desig_Chr04	3765015	(G/A)
27443	CadSNP3038	<i>Desi</i>	Ca_Desig_Chr04	3765009	(T/C)
27444	CadSNP3039	<i>Desi</i>	Ca_Desig_Chr04	3765003	(G/A)
27445	CadSNP3040	<i>Desi</i>	Ca_Desig_Chr04	3764979	(A/G)
27446	CadSNP3041	<i>Desi</i>	Ca_Desig_Chr04	3764973	(T/C)
27447	CadSNP3042	<i>Desi</i>	Ca_Desig_Chr04	3766974	(G/C)
27448	CadSNP3043	<i>Desi</i>	Ca_Desig_Chr04	3766890	(A/G)
27449	CadSNP3044	<i>Desi</i>	Ca_Desig_Chr04	3789531	(C/G)
27450	CadSNP3045	<i>Desi</i>	Ca_Desig_Chr04	3789535	(G/A)
27451	CadSNP3046	<i>Desi</i>	Ca_Desig_Chr04	3798421	(T/G)
27452	CadSNP3047	<i>Desi</i>	Ca_Desig_Chr04	3798614	(G/A)
27453	CadSNP3048	<i>Desi</i>	Ca_Desig_Chr04	3802820	(C/T)
27454	CadSNP3049	<i>Desi</i>	Ca_Desig_Chr04	3859366	(G/A)
27455	CadSNP3050	<i>Desi</i>	Ca_Desig_Chr04	3859391	(C/G)
27456	CadSNP3051	<i>Desi</i>	Ca_Desig_Chr04	3859443	(T/G)
27457	CadSNP3052	<i>Desi</i>	Ca_Desig_Chr04	3870983	(T/C)
27458	CadSNP3053	<i>Desi</i>	Ca_Desig_Chr04	3870991	(C/G)
27459	CadSNP3054	<i>Desi</i>	Ca_Desig_Chr04	3875100	(C/A)
27460	CadSNP3055	<i>Desi</i>	Ca_Desig_Chr04	3904156	(G/A)
27461	CadSNP3056	<i>Desi</i>	Ca_Desig_Chr04	3904138	(G/A)
27462	CadSNP3057	<i>Desi</i>	Ca_Desig_Chr04	3920146	(A/C)
27463	CadSNP3058	<i>Desi</i>	Ca_Desig_Chr04	3920243	(T/C)
27464	CadSNP3059	<i>Desi</i>	Ca_Desig_Chr04	3973039	(A/G)
27465	CadSNP3060	<i>Desi</i>	Ca_Desig_Chr04	3973090	(G/A)
27466	CadSNP3061	<i>Desi</i>	Ca_Desig_Chr04	3973244	(C/A)
27467	CadSNP3062	<i>Desi</i>	Ca_Desig_Chr04	3973229	(A/G)
27468	CadSNP3063	<i>Desi</i>	Ca_Desig_Chr04	3973220	(T/C)
27469	CadSNP3064	<i>Desi</i>	Ca_Desig_Chr04	3973216	(T/C)
27470	CadSNP3065	<i>Desi</i>	Ca_Desig_Chr04	4013701	(G/T)
27471	CadSNP3066	<i>Desi</i>	Ca_Desig_Chr04	4013641	(C/T)
27472	CadSNP3067	<i>Desi</i>	Ca_Desig_Chr04	4013759	(T/A)
27473	CadSNP3068	<i>Desi</i>	Ca_Desig_Chr04	4013760	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27474	CadSNP3069	<i>Desi</i>	Ca_Desig_Chr04	4013761	(T/A)
27475	CadSNP3070	<i>Desi</i>	Ca_Desig_Chr04	4013763	(T/A)
27476	CadSNP3071	<i>Desi</i>	Ca_Desig_Chr04	4013764	(G/T)
27477	CadSNP3072	<i>Desi</i>	Ca_Desig_Chr04	4013765	(A/G)
27478	CadSNP3073	<i>Desi</i>	Ca_Desig_Chr04	4013888	(G/C)
27479	CadSNP3074	<i>Desi</i>	Ca_Desig_Chr04	4013840	(G/C)
27480	CadSNP3075	<i>Desi</i>	Ca_Desig_Chr04	4018698	(A/T)
27481	CadSNP3076	<i>Desi</i>	Ca_Desig_Chr04	4018706	(T/C)
27482	CadSNP3077	<i>Desi</i>	Ca_Desig_Chr04	4018747	(G/A)
27483	CadSNP3078	<i>Desi</i>	Ca_Desig_Chr04	4018828	(G/C)
27484	CadSNP3079	<i>Desi</i>	Ca_Desig_Chr04	4018839	(A/T)
27485	CadSNP3080	<i>Desi</i>	Ca_Desig_Chr04	4018936	(A/G)
27486	CadSNP3081	<i>Desi</i>	Ca_Desig_Chr04	4018921	(G/A)
27487	CadSNP3082	<i>Desi</i>	Ca_Desig_Chr04	4028673	(A/G)
27488	CadSNP3083	<i>Desi</i>	Ca_Desig_Chr04	4053311	(G/A)
27489	CadSNP3084	<i>Desi</i>	Ca_Desig_Chr04	4053260	(A/G)
27490	CadSNP3085	<i>Desi</i>	Ca_Desig_Chr04	4053359	(G/A)
27491	CadSNP3086	<i>Desi</i>	Ca_Desig_Chr04	4053361	(G/T)
27492	CadSNP3087	<i>Desi</i>	Ca_Desig_Chr04	4053362	(G/T)
27493	CadSNP3088	<i>Desi</i>	Ca_Desig_Chr04	4053386	(T/C)
27494	CadSNP3089	<i>Desi</i>	Ca_Desig_Chr04	4086122	(G/A)
27495	CadSNP3090	<i>Desi</i>	Ca_Desig_Chr04	4087351	(A/G)
27496	CadSNP3091	<i>Desi</i>	Ca_Desig_Chr04	4087415	(T/C)
27497	CadSNP3092	<i>Desi</i>	Ca_Desig_Chr04	4087412	(G/A)
27498	CadSNP3093	<i>Desi</i>	Ca_Desig_Chr04	4087353	(T/A)
27499	CadSNP3094	<i>Desi</i>	Ca_Desig_Chr04	4102649	(C/G)
27500	CadSNP3095	<i>Desi</i>	Ca_Desig_Chr04	4102650	(T/A)
27501	CadSNP3096	<i>Desi</i>	Ca_Desig_Chr04	4102656	(T/C)
27502	CadSNP3097	<i>Desi</i>	Ca_Desig_Chr04	4102682	(C/A)
27503	CadSNP3098	<i>Desi</i>	Ca_Desig_Chr04	4102698	(T/C)
27504	CadSNP3099	<i>Desi</i>	Ca_Desig_Chr04	4102704	(C/T)
27505	CadSNP3100	<i>Desi</i>	Ca_Desig_Chr04	4102739	(A/G)
27506	CadSNP3101	<i>Desi</i>	Ca_Desig_Chr04	4102711	(A/G)
27507	CadSNP3102	<i>Desi</i>	Ca_Desig_Chr04	4102802	(T/C)
27508	CadSNP3103	<i>Desi</i>	Ca_Desig_Chr04	4102808	(T/A)
27509	CadSNP3104	<i>Desi</i>	Ca_Desig_Chr04	4102814	(T/C)
27510	CadSNP3105	<i>Desi</i>	Ca_Desig_Chr04	4102817	(A/T)
27511	CadSNP3106	<i>Desi</i>	Ca_Desig_Chr04	4102845	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27512	CadSNP3107	<i>Desi</i>	Ca_Desig_Chr04	4102847	(G/T)
27513	CadSNP3108	<i>Desi</i>	Ca_Desig_Chr04	4120065	(C/T)
27514	CadSNP3109	<i>Desi</i>	Ca_Desig_Chr04	4120091	(T/G)
27515	CadSNP3110	<i>Desi</i>	Ca_Desig_Chr04	4177588	(T/C)
27516	CadSNP3111	<i>Desi</i>	Ca_Desig_Chr04	4218981	(A/C)
27517	CadSNP3112	<i>Desi</i>	Ca_Desig_Chr04	4219063	(A/G)
27518	CadSNP3113	<i>Desi</i>	Ca_Desig_Chr04	4219039	(G/A)
27519	CadSNP3114	<i>Desi</i>	Ca_Desig_Chr04	4219027	(A/C)
27520	CadSNP3115	<i>Desi</i>	Ca_Desig_Chr04	4271851	(C/T)
27521	CadSNP3116	<i>Desi</i>	Ca_Desig_Chr04	4271993	(C/T)
27522	CadSNP3117	<i>Desi</i>	Ca_Desig_Chr04	4272034	(T/G)
27523	CadSNP3118	<i>Desi</i>	Ca_Desig_Chr04	4273233	(A/C)
27524	CadSNP3119	<i>Desi</i>	Ca_Desig_Chr04	4273166	(T/C)
27525	CadSNP3120	<i>Desi</i>	Ca_Desig_Chr04	4277475	(T/A)
27526	CadSNP3121	<i>Desi</i>	Ca_Desig_Chr04	4412994	(C/A)
27527	CadSNP3122	<i>Desi</i>	Ca_Desig_Chr04	4424794	(C/A)
27528	CadSNP3123	<i>Desi</i>	Ca_Desig_Chr04	4424788	(C/T)
27529	CadSNP3124	<i>Desi</i>	Ca_Desig_Chr04	4442419	(A/G)
27530	CadSNP3125	<i>Desi</i>	Ca_Desig_Chr04	4468697	(A/G)
27531	CadSNP3126	<i>Desi</i>	Ca_Desig_Chr04	4468755	(T/C)
27532	CadSNP3127	<i>Desi</i>	Ca_Desig_Chr04	4482302	(C/T)
27533	CadSNP3128	<i>Desi</i>	Ca_Desig_Chr04	4482370	(G/C)
27534	CadSNP3129	<i>Desi</i>	Ca_Desig_Chr04	4556180	(C/T)
27535	CadSNP3130	<i>Desi</i>	Ca_Desig_Chr04	4556221	(A/T)
27536	CadSNP3131	<i>Desi</i>	Ca_Desig_Chr04	4592602	(G/A)
27537	CadSNP3132	<i>Desi</i>	Ca_Desig_Chr04	4592738	(T/A)
27538	CadSNP3133	<i>Desi</i>	Ca_Desig_Chr04	4592785	(T/C)
27539	CadSNP3134	<i>Desi</i>	Ca_Desig_Chr04	4613329	(A/G)
27540	CadSNP3135	<i>Desi</i>	Ca_Desig_Chr04	4652983	(A/G)
27541	CadSNP3136	<i>Desi</i>	Ca_Desig_Chr04	4652989	(A/G)
27542	CadSNP3137	<i>Desi</i>	Ca_Desig_Chr04	4653036	(A/C)
27543	CadSNP3138	<i>Desi</i>	Ca_Desig_Chr04	4687385	(T/C)
27544	CadSNP3139	<i>Desi</i>	Ca_Desig_Chr04	4687388	(C/G)
27545	CadSNP3140	<i>Desi</i>	Ca_Desig_Chr04	4690525	(A/C)
27546	CadSNP3141	<i>Desi</i>	Ca_Desig_Chr04	4701443	(T/A)
27547	CadSNP3142	<i>Desi</i>	Ca_Desig_Chr04	4701465	(G/C)
27548	CadSNP3143	<i>Desi</i>	Ca_Desig_Chr04	4701545	(C/G)
27549	CadSNP3144	<i>Desi</i>	Ca_Desig_Chr04	4701605	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27550	CadSNP3145	<i>Desi</i>	Ca_Desig_Chr04	4701701	(G/A)
27551	CadSNP3146	<i>Desi</i>	Ca_Desig_Chr04	4701677	(G/A)
27552	CadSNP3147	<i>Desi</i>	Ca_Desig_Chr04	4714703	(G/A)
27553	CadSNP3148	<i>Desi</i>	Ca_Desig_Chr04	4765057	(T/G)
27554	CadSNP3149	<i>Desi</i>	Ca_Desig_Chr04	4768397	(C/A)
27555	CadSNP3150	<i>Desi</i>	Ca_Desig_Chr04	4768373	(C/T)
27556	CadSNP3151	<i>Desi</i>	Ca_Desig_Chr04	4768426	(A/C)
27557	CadSNP3152	<i>Desi</i>	Ca_Desig_Chr04	4768507	(A/C)
27558	CadSNP3153	<i>Desi</i>	Ca_Desig_Chr04	4769476	(G/A)
27559	CadSNP3154	<i>Desi</i>	Ca_Desig_Chr04	4769498	(G/A)
27560	CadSNP3155	<i>Desi</i>	Ca_Desig_Chr04	4769516	(G/C)
27561	CadSNP3156	<i>Desi</i>	Ca_Desig_Chr04	4769524	(G/A)
27562	CadSNP3157	<i>Desi</i>	Ca_Desig_Chr04	4769541	(A/T)
27563	CadSNP3158	<i>Desi</i>	Ca_Desig_Chr04	4769570	(A/G)
27564	CadSNP3159	<i>Desi</i>	Ca_Desig_Chr04	4769567	(G/A)
27565	CadSNP3160	<i>Desi</i>	Ca_Desig_Chr04	4769546	(C/T)
27566	CadSNP3161	<i>Desi</i>	Ca_Desig_Chr04	4817421	(C/T)
27567	CadSNP3162	<i>Desi</i>	Ca_Desig_Chr04	4817433	(G/C)
27568	CadSNP3163	<i>Desi</i>	Ca_Desig_Chr04	4817665	(C/T)
27569	CadSNP3164	<i>Desi</i>	Ca_Desig_Chr04	4837373	(G/T)
27570	CadSNP3165	<i>Desi</i>	Ca_Desig_Chr04	4837427	(C/G)
27571	CadSNP3166	<i>Desi</i>	Ca_Desig_Chr04	4837616	(G/A)
27572	CadSNP3167	<i>Desi</i>	Ca_Desig_Chr04	4837602	(G/A)
27573	CadSNP3168	<i>Desi</i>	Ca_Desig_Chr04	4837547	(T/A)
27574	CadSNP3169	<i>Desi</i>	Ca_Desig_Chr04	4878370	(A/T)
27575	CadSNP3170	<i>Desi</i>	Ca_Desig_Chr04	4878419	(C/T)
27576	CadSNP3171	<i>Desi</i>	Ca_Desig_Chr04	4878512	(G/C)
27577	CadSNP3172	<i>Desi</i>	Ca_Desig_Chr04	4909312	(C/A)
27578	CadSNP3173	<i>Desi</i>	Ca_Desig_Chr04	4936836	(G/A)
27579	CadSNP3174	<i>Desi</i>	Ca_Desig_Chr04	5028157	(C/T)
27580	CadSNP3175	<i>Desi</i>	Ca_Desig_Chr04	5028184	(T/C)
27581	CadSNP3176	<i>Desi</i>	Ca_Desig_Chr04	5032143	(A/G)
27582	CadSNP3177	<i>Desi</i>	Ca_Desig_Chr04	5032208	(C/T)
27583	CadSNP3178	<i>Desi</i>	Ca_Desig_Chr04	5075690	(A/T)
27584	CadSNP3179	<i>Desi</i>	Ca_Desig_Chr04	5075689	(A/T)
27585	CadSNP3180	<i>Desi</i>	Ca_Desig_Chr04	5075688	(A/T)
27586	CadSNP3181	<i>Desi</i>	Ca_Desig_Chr04	5097092	(A/G)
27587	CadSNP3182	<i>Desi</i>	Ca_Desig_Chr04	5097123	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27588	CadSNP3183	<i>Desi</i>	Ca_Desig_Chr04	5097133	(C/T)
27589	CadSNP3184	<i>Desi</i>	Ca_Desig_Chr04	5097230	(G/C)
27590	CadSNP3185	<i>Desi</i>	Ca_Desig_Chr04	5097212	(A/C)
27591	CadSNP3186	<i>Desi</i>	Ca_Desig_Chr04	5097206	(A/C)
27592	CadSNP3187	<i>Desi</i>	Ca_Desig_Chr04	5408962	(C/T)
27593	CadSNP3188	<i>Desi</i>	Ca_Desig_Chr04	5409140	(A/G)
27594	CadSNP3189	<i>Desi</i>	Ca_Desig_Chr04	5410884	(C/T)
27595	CadSNP3190	<i>Desi</i>	Ca_Desig_Chr04	5450691	(C/A)
27596	CadSNP3191	<i>Desi</i>	Ca_Desig_Chr04	5450850	(C/T)
27597	CadSNP3192	<i>Desi</i>	Ca_Desig_Chr04	5533435	(T/G)
27598	CadSNP3193	<i>Desi</i>	Ca_Desig_Chr04	5533572	(A/C)
27599	CadSNP3194	<i>Desi</i>	Ca_Desig_Chr04	5537247	(A/G)
27600	CadSNP3195	<i>Desi</i>	Ca_Desig_Chr04	5537277	(A/G)
27601	CadSNP3196	<i>Desi</i>	Ca_Desig_Chr04	5547317	(A/T)
27602	CadSNP3197	<i>Desi</i>	Ca_Desig_Chr04	5571273	(G/A)
27603	CadSNP3198	<i>Desi</i>	Ca_Desig_Chr04	5580087	(T/C)
27604	CadSNP3199	<i>Desi</i>	Ca_Desig_Chr04	5610496	(A/G)
27605	CadSNP3200	<i>Desi</i>	Ca_Desig_Chr04	5610487	(C/T)
27606	CadSNP3201	<i>Desi</i>	Ca_Desig_Chr04	5610468	(G/T)
27607	CadSNP3202	<i>Desi</i>	Ca_Desig_Chr04	5610436	(T/C)
27608	CadSNP3203	<i>Desi</i>	Ca_Desig_Chr04	5610430	(C/T)
27609	CadSNP3204	<i>Desi</i>	Ca_Desig_Chr04	5610427	(T/C)
27610	CadSNP3205	<i>Desi</i>	Ca_Desig_Chr04	5610421	(A/G)
27611	CadSNP3206	<i>Desi</i>	Ca_Desig_Chr04	5610412	(C/T)
27612	CadSNP3207	<i>Desi</i>	Ca_Desig_Chr04	5678590	(G/A)
27613	CadSNP3208	<i>Desi</i>	Ca_Desig_Chr04	5678708	(T/A)
27614	CadSNP3209	<i>Desi</i>	Ca_Desig_Chr04	5678706	(T/G)
27615	CadSNP3210	<i>Desi</i>	Ca_Desig_Chr04	5678705	(T/A)
27616	CadSNP3211	<i>Desi</i>	Ca_Desig_Chr04	5949743	(T/G)
27617	CadSNP3212	<i>Desi</i>	Ca_Desig_Chr04	6008718	(C/G)
27618	CadSNP3213	<i>Desi</i>	Ca_Desig_Chr04	6017153	(T/G)
27619	CadSNP3214	<i>Desi</i>	Ca_Desig_Chr04	6188718	(C/T)
27620	CadSNP3215	<i>Desi</i>	Ca_Desig_Chr04	6278573	(C/A)
27621	CadSNP3216	<i>Desi</i>	Ca_Desig_Chr04	6325277	(T/G)
27622	CadSNP3217	<i>Desi</i>	Ca_Desig_Chr04	6326257	(C/T)
27623	CadSNP3218	<i>Desi</i>	Ca_Desig_Chr04	6512019	(G/A)
27624	CadSNP3219	<i>Desi</i>	Ca_Desig_Chr04	6512198	(T/G)
27625	CadSNP3220	<i>Desi</i>	Ca_Desig_Chr04	7034202	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27626	CadSNP3221	<i>Desi</i>	Ca_Desig_Chr04	7035566	(C/T)
27627	CadSNP3222	<i>Desi</i>	Ca_Desig_Chr04	7035565	(A/G)
27628	CadSNP3223	<i>Desi</i>	Ca_Desig_Chr04	7035560	(C/A)
27629	CadSNP3224	<i>Desi</i>	Ca_Desig_Chr04	7082605	(C/T)
27630	CadSNP3225	<i>Desi</i>	Ca_Desig_Chr04	7082610	(C/T)
27631	CadSNP3226	<i>Desi</i>	Ca_Desig_Chr04	7175365	(A/T)
27632	CadSNP3227	<i>Desi</i>	Ca_Desig_Chr04	7176085	(T/G)
27633	CadSNP3228	<i>Desi</i>	Ca_Desig_Chr04	7258905	(G/A)
27634	CadSNP3229	<i>Desi</i>	Ca_Desig_Chr04	7261485	(A/G)
27635	CadSNP3230	<i>Desi</i>	Ca_Desig_Chr04	7262099	(A/G)
27636	CadSNP3231	<i>Desi</i>	Ca_Desig_Chr04	7267132	(G/A)
27637	CadSNP3232	<i>Desi</i>	Ca_Desig_Chr04	7267139	(C/T)
27638	CadSNP3233	<i>Desi</i>	Ca_Desig_Chr04	7345014	(G/A)
27639	CadSNP3234	<i>Desi</i>	Ca_Desig_Chr04	7345027	(T/G)
27640	CadSNP3235	<i>Desi</i>	Ca_Desig_Chr04	7359134	(T/C)
27641	CadSNP3236	<i>Desi</i>	Ca_Desig_Chr04	7386701	(T/C)
27642	CadSNP3237	<i>Desi</i>	Ca_Desig_Chr04	7386713	(G/A)
27643	CadSNP3238	<i>Desi</i>	Ca_Desig_Chr04	7411522	(A/T)
27644	CadSNP3239	<i>Desi</i>	Ca_Desig_Chr04	7491353	(A/T)
27645	CadSNP3240	<i>Desi</i>	Ca_Desig_Chr04	7491358	(C/A)
27646	CadSNP3241	<i>Desi</i>	Ca_Desig_Chr04	7491365	(T/G)
27647	CadSNP3242	<i>Desi</i>	Ca_Desig_Chr04	7509469	(T/C)
27648	CadSNP3243	<i>Desi</i>	Ca_Desig_Chr04	7509510	(A/G)
27649	CadSNP3244	<i>Desi</i>	Ca_Desig_Chr04	7509523	(A/T)
27650	CadSNP3245	<i>Desi</i>	Ca_Desig_Chr04	7509540	(C/T)
27651	CadSNP3246	<i>Desi</i>	Ca_Desig_Chr04	7522422	(A/G)
27652	CadSNP3247	<i>Desi</i>	Ca_Desig_Chr04	7601501	(A/G)
27653	CadSNP3248	<i>Desi</i>	Ca_Desig_Chr04	7601504	(G/T)
27654	CadSNP3249	<i>Desi</i>	Ca_Desig_Chr04	7601564	(G/A)
27655	CadSNP3250	<i>Desi</i>	Ca_Desig_Chr04	7601698	(A/C)
27656	CadSNP3251	<i>Desi</i>	Ca_Desig_Chr04	7602569	(A/T)
27657	CadSNP3252	<i>Desi</i>	Ca_Desig_Chr04	7632892	(T/G)
27658	CadSNP3253	<i>Desi</i>	Ca_Desig_Chr04	7643273	(C/T)
27659	CadSNP3254	<i>Desi</i>	Ca_Desig_Chr04	7643413	(C/T)
27660	CadSNP3255	<i>Desi</i>	Ca_Desig_Chr04	7647357	(C/T)
27661	CadSNP3256	<i>Desi</i>	Ca_Desig_Chr04	7647362	(T/C)
27662	CadSNP3257	<i>Desi</i>	Ca_Desig_Chr04	7647369	(T/C)
27663	CadSNP3258	<i>Desi</i>	Ca_Desig_Chr04	7647405	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27664	CadSNP3259	<i>Desi</i>	Ca_Desig_Chr04	7647636	(A/G)
27665	CadSNP3260	<i>Desi</i>	Ca_Desig_Chr04	7647647	(T/A)
27666	CadSNP3261	<i>Desi</i>	Ca_Desig_Chr04	7647648	(T/A)
27667	CadSNP3262	<i>Desi</i>	Ca_Desig_Chr04	7680278	(T/C)
27668	CadSNP3263	<i>Desi</i>	Ca_Desig_Chr04	7680254	(A/C)
27669	CadSNP3264	<i>Desi</i>	Ca_Desig_Chr04	7680251	(A/C)
27670	CadSNP3265	<i>Desi</i>	Ca_Desig_Chr04	7734129	(G/A)
27671	CadSNP3266	<i>Desi</i>	Ca_Desig_Chr04	7744960	(C/T)
27672	CadSNP3267	<i>Desi</i>	Ca_Desig_Chr04	7744977	(G/T)
27673	CadSNP3268	<i>Desi</i>	Ca_Desig_Chr04	7745006	(T/C)
27674	CadSNP3269	<i>Desi</i>	Ca_Desig_Chr04	7745012	(A/C)
27675	CadSNP3270	<i>Desi</i>	Ca_Desig_Chr04	7745024	(C/A)
27676	CadSNP3271	<i>Desi</i>	Ca_Desig_Chr04	7745029	(A/G)
27677	CadSNP3272	<i>Desi</i>	Ca_Desig_Chr04	7745021	(C/T)
27678	CadSNP3273	<i>Desi</i>	Ca_Desig_Chr04	7778312	(T/G)
27679	CadSNP3274	<i>Desi</i>	Ca_Desig_Chr04	7789296	(C/T)
27680	CadSNP3275	<i>Desi</i>	Ca_Desig_Chr04	7789300	(T/C)
27681	CadSNP3276	<i>Desi</i>	Ca_Desig_Chr04	7789365	(C/A)
27682	CadSNP3277	<i>Desi</i>	Ca_Desig_Chr04	7797154	(C/G)
27683	CadSNP3278	<i>Desi</i>	Ca_Desig_Chr04	7804249	(C/A)
27684	CadSNP3279	<i>Desi</i>	Ca_Desig_Chr04	7804240	(C/G)
27685	CadSNP3280	<i>Desi</i>	Ca_Desig_Chr04	7804466	(A/G)
27686	CadSNP3281	<i>Desi</i>	Ca_Desig_Chr04	7804446	(C/G)
27687	CadSNP3282	<i>Desi</i>	Ca_Desig_Chr04	7804437	(C/G)
27688	CadSNP3283	<i>Desi</i>	Ca_Desig_Chr04	7823630	(C/T)
27689	CadSNP3284	<i>Desi</i>	Ca_Desig_Chr04	7823601	(G/C)
27690	CadSNP3285	<i>Desi</i>	Ca_Desig_Chr04	7823585	(G/A)
27691	CadSNP3286	<i>Desi</i>	Ca_Desig_Chr04	7823970	(G/T)
27692	CadSNP3287	<i>Desi</i>	Ca_Desig_Chr04	7864254	(C/T)
27693	CadSNP3288	<i>Desi</i>	Ca_Desig_Chr04	7886492	(T/C)
27694	CadSNP3289	<i>Desi</i>	Ca_Desig_Chr04	7889802	(C/T)
27695	CadSNP3290	<i>Desi</i>	Ca_Desig_Chr04	7889847	(C/T)
27696	CadSNP3291	<i>Desi</i>	Ca_Desig_Chr04	7889963	(A/G)
27697	CadSNP3292	<i>Desi</i>	Ca_Desig_Chr04	7897697	(A/T)
27698	CadSNP3293	<i>Desi</i>	Ca_Desig_Chr04	7901647	(G/C)
27699	CadSNP3294	<i>Desi</i>	Ca_Desig_Chr04	7934989	(G/A)
27700	CadSNP3295	<i>Desi</i>	Ca_Desig_Chr04	7934938	(A/G)
27701	CadSNP3296	<i>Desi</i>	Ca_Desig_Chr04	7968926	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27702	CadSNP3297	<i>Desi</i>	Ca_Desig_Chr04	7979277	(A/T)
27703	CadSNP3298	<i>Desi</i>	Ca_Desig_Chr04	7983120	(C/T)
27704	CadSNP3299	<i>Desi</i>	Ca_Desig_Chr04	7992015	(A/G)
27705	CadSNP3300	<i>Desi</i>	Ca_Desig_Chr04	7992027	(T/G)
27706	CadSNP3301	<i>Desi</i>	Ca_Desig_Chr04	8001938	(T/C)
27707	CadSNP3302	<i>Desi</i>	Ca_Desig_Chr04	8009916	(C/G)
27708	CadSNP3303	<i>Desi</i>	Ca_Desig_Chr04	8027509	(T/A)
27709	CadSNP3304	<i>Desi</i>	Ca_Desig_Chr04	8043670	(G/C)
27710	CadSNP3305	<i>Desi</i>	Ca_Desig_Chr04	8066452	(A/C)
27711	CadSNP3306	<i>Desi</i>	Ca_Desig_Chr04	8081990	(T/C)
27712	CadSNP3307	<i>Desi</i>	Ca_Desig_Chr04	8104376	(G/T)
27713	CadSNP3308	<i>Desi</i>	Ca_Desig_Chr04	8104348	(G/T)
27714	CadSNP3309	<i>Desi</i>	Ca_Desig_Chr04	8131383	(G/T)
27715	CadSNP3310	<i>Desi</i>	Ca_Desig_Chr04	8131392	(T/C)
27716	CadSNP3311	<i>Desi</i>	Ca_Desig_Chr04	8131407	(C/T)
27717	CadSNP3312	<i>Desi</i>	Ca_Desig_Chr04	8131419	(G/T)
27718	CadSNP3313	<i>Desi</i>	Ca_Desig_Chr04	8141345	(T/C)
27719	CadSNP3314	<i>Desi</i>	Ca_Desig_Chr04	8150669	(A/G)
27720	CadSNP3315	<i>Desi</i>	Ca_Desig_Chr04	8155204	(T/C)
27721	CadSNP3316	<i>Desi</i>	Ca_Desig_Chr04	8155339	(G/T)
27722	CadSNP3317	<i>Desi</i>	Ca_Desig_Chr04	8155324	(G/A)
27723	CadSNP3318	<i>Desi</i>	Ca_Desig_Chr04	8251863	(A/G)
27724	CadSNP3319	<i>Desi</i>	Ca_Desig_Chr04	8296526	(T/A)
27725	CadSNP3320	<i>Desi</i>	Ca_Desig_Chr04	8313944	(A/C)
27726	CadSNP3321	<i>Desi</i>	Ca_Desig_Chr04	8314012	(T/C)
27727	CadSNP3322	<i>Desi</i>	Ca_Desig_Chr04	8314163	(G/A)
27728	CadSNP3323	<i>Desi</i>	Ca_Desig_Chr04	8413892	(A/T)
27729	CadSNP3324	<i>Desi</i>	Ca_Desig_Chr04	8413986	(A/T)
27730	CadSNP3325	<i>Desi</i>	Ca_Desig_Chr04	8436236	(T/C)
27731	CadSNP3326	<i>Desi</i>	Ca_Desig_Chr04	8436247	(T/A)
27732	CadSNP3327	<i>Desi</i>	Ca_Desig_Chr04	8450693	(T/G)
27733	CadSNP3328	<i>Desi</i>	Ca_Desig_Chr04	8450676	(G/A)
27734	CadSNP3329	<i>Desi</i>	Ca_Desig_Chr04	8875920	(T/G)
27735	CadSNP3330	<i>Desi</i>	Ca_Desig_Chr04	8876149	(A/G)
27736	CadSNP3331	<i>Desi</i>	Ca_Desig_Chr04	8884501	(A/T)
27737	CadSNP3332	<i>Desi</i>	Ca_Desig_Chr04	8884795	(T/G)
27738	CadSNP3333	<i>Desi</i>	Ca_Desig_Chr04	8908491	(T/A)
27739	CadSNP3334	<i>Desi</i>	Ca_Desig_Chr04	9006140	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27740	CadSNP3335	<i>Desi</i>	Ca_Desig_Chr04	9007157	(A/G)
27741	CadSNP3336	<i>Desi</i>	Ca_Desig_Chr04	9098812	(T/C)
27742	CadSNP3337	<i>Desi</i>	Ca_Desig_Chr04	9098866	(A/G)
27743	CadSNP3338	<i>Desi</i>	Ca_Desig_Chr04	9109135	(C/T)
27744	CadSNP3339	<i>Desi</i>	Ca_Desig_Chr04	9109128	(C/T)
27745	CadSNP3340	<i>Desi</i>	Ca_Desig_Chr04	9153019	(G/T)
27746	CadSNP3341	<i>Desi</i>	Ca_Desig_Chr04	9152979	(T/C)
27747	CadSNP3342	<i>Desi</i>	Ca_Desig_Chr04	9158606	(T/C)
27748	CadSNP3343	<i>Desi</i>	Ca_Desig_Chr04	9158587	(C/T)
27749	CadSNP3344	<i>Desi</i>	Ca_Desig_Chr04	9172047	(C/G)
27750	CadSNP3345	<i>Desi</i>	Ca_Desig_Chr04	9179853	(A/C)
27751	CadSNP3346	<i>Desi</i>	Ca_Desig_Chr04	9187933	(T/A)
27752	CadSNP3347	<i>Desi</i>	Ca_Desig_Chr04	9187876	(A/C)
27753	CadSNP3348	<i>Desi</i>	Ca_Desig_Chr04	9187868	(A/G)
27754	CadSNP3349	<i>Desi</i>	Ca_Desig_Chr04	9188480	(G/A)
27755	CadSNP3350	<i>Desi</i>	Ca_Desig_Chr04	9188502	(A/G)
27756	CadSNP3351	<i>Desi</i>	Ca_Desig_Chr04	9205484	(A/G)
27757	CadSNP3352	<i>Desi</i>	Ca_Desig_Chr04	9208810	(C/T)
27758	CadSNP3353	<i>Desi</i>	Ca_Desig_Chr04	9222526	(C/T)
27759	CadSNP3354	<i>Desi</i>	Ca_Desig_Chr04	9222554	(T/A)
27760	CadSNP3355	<i>Desi</i>	Ca_Desig_Chr04	9224339	(A/G)
27761	CadSNP3356	<i>Desi</i>	Ca_Desig_Chr04	9224369	(A/G)
27762	CadSNP3357	<i>Desi</i>	Ca_Desig_Chr04	9224381	(G/A)
27763	CadSNP3358	<i>Desi</i>	Ca_Desig_Chr04	9224405	(C/G)
27764	CadSNP3359	<i>Desi</i>	Ca_Desig_Chr04	9224420	(C/T)
27765	CadSNP3360	<i>Desi</i>	Ca_Desig_Chr04	9224520	(A/G)
27766	CadSNP3361	<i>Desi</i>	Ca_Desig_Chr04	9224646	(C/T)
27767	CadSNP3362	<i>Desi</i>	Ca_Desig_Chr04	9224613	(C/A)
27768	CadSNP3363	<i>Desi</i>	Ca_Desig_Chr04	9224592	(T/G)
27769	CadSNP3364	<i>Desi</i>	Ca_Desig_Chr04	9225522	(C/A)
27770	CadSNP3365	<i>Desi</i>	Ca_Desig_Chr04	9225697	(T/C)
27771	CadSNP3366	<i>Desi</i>	Ca_Desig_Chr04	9296293	(T/G)
27772	CadSNP3367	<i>Desi</i>	Ca_Desig_Chr04	9345307	(A/G)
27773	CadSNP3368	<i>Desi</i>	Ca_Desig_Chr04	9345752	(T/A)
27774	CadSNP3369	<i>Desi</i>	Ca_Desig_Chr04	9347802	(A/G)
27775	CadSNP3370	<i>Desi</i>	Ca_Desig_Chr04	9385964	(G/A)
27776	CadSNP3371	<i>Desi</i>	Ca_Desig_Chr04	9432561	(T/C)
27777	CadSNP3372	<i>Desi</i>	Ca_Desig_Chr04	9471392	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27778	CadSNP3373	<i>Desi</i>	Ca_Desig_Chr04	9480757	(T/C)
27779	CadSNP3374	<i>Desi</i>	Ca_Desig_Chr04	9480764	(A/T)
27780	CadSNP3375	<i>Desi</i>	Ca_Desig_Chr04	9480774	(C/T)
27781	CadSNP3376	<i>Desi</i>	Ca_Desig_Chr04	9480890	(T/G)
27782	CadSNP3377	<i>Desi</i>	Ca_Desig_Chr04	9494492	(T/G)
27783	CadSNP3378	<i>Desi</i>	Ca_Desig_Chr04	9494632	(C/G)
27784	CadSNP3379	<i>Desi</i>	Ca_Desig_Chr04	9504450	(T/G)
27785	CadSNP3380	<i>Desi</i>	Ca_Desig_Chr04	9513671	(T/G)
27786	CadSNP3381	<i>Desi</i>	Ca_Desig_Chr04	9513733	(T/C)
27787	CadSNP3382	<i>Desi</i>	Ca_Desig_Chr04	9532292	(G/A)
27788	CadSNP3383	<i>Desi</i>	Ca_Desig_Chr04	9540199	(G/A)
27789	CadSNP3384	<i>Desi</i>	Ca_Desig_Chr04	9540235	(T/C)
27790	CadSNP3385	<i>Desi</i>	Ca_Desig_Chr04	9546623	(C/T)
27791	CadSNP3386	<i>Desi</i>	Ca_Desig_Chr04	9546624	(T/C)
27792	CadSNP3387	<i>Desi</i>	Ca_Desig_Chr04	9561852	(T/G)
27793	CadSNP3388	<i>Desi</i>	Ca_Desig_Chr04	9585248	(G/T)
27794	CadSNP3389	<i>Desi</i>	Ca_Desig_Chr04	9594060	(T/G)
27795	CadSNP3390	<i>Desi</i>	Ca_Desig_Chr04	9621755	(G/A)
27796	CadSNP3391	<i>Desi</i>	Ca_Desig_Chr04	9621758	(G/A)
27797	CadSNP3392	<i>Desi</i>	Ca_Desig_Chr04	9621769	(C/T)
27798	CadSNP3393	<i>Desi</i>	Ca_Desig_Chr04	9621770	(G/A)
27799	CadSNP3394	<i>Desi</i>	Ca_Desig_Chr04	9621810	(G/T)
27800	CadSNP3395	<i>Desi</i>	Ca_Desig_Chr04	9637332	(T/C)
27801	CadSNP3396	<i>Desi</i>	Ca_Desig_Chr04	9662593	(T/C)
27802	CadSNP3397	<i>Desi</i>	Ca_Desig_Chr04	9713866	(C/T)
27803	CadSNP3398	<i>Desi</i>	Ca_Desig_Chr04	9742719	(C/T)
27804	CadSNP3399	<i>Desi</i>	Ca_Desig_Chr04	9747972	(G/C)
27805	CadSNP3400	<i>Desi</i>	Ca_Desig_Chr04	9748039	(T/G)
27806	CadSNP3401	<i>Desi</i>	Ca_Desig_Chr04	9773879	(A/G)
27807	CadSNP3402	<i>Desi</i>	Ca_Desig_Chr04	9793407	(T/C)
27808	CadSNP3403	<i>Desi</i>	Ca_Desig_Chr04	9793409	(C/A)
27809	CadSNP3404	<i>Desi</i>	Ca_Desig_Chr04	9793410	(T/G)
27810	CadSNP3405	<i>Desi</i>	Ca_Desig_Chr04	9793430	(A/G)
27811	CadSNP3406	<i>Desi</i>	Ca_Desig_Chr04	9851330	(A/T)
27812	CadSNP3407	<i>Desi</i>	Ca_Desig_Chr04	9851366	(T/G)
27813	CadSNP3408	<i>Desi</i>	Ca_Desig_Chr04	9851424	(T/A)
27814	CadSNP3409	<i>Desi</i>	Ca_Desig_Chr04	9855603	(T/C)
27815	CadSNP3410	<i>Desi</i>	Ca_Desig_Chr04	9855664	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27816	CadSNP3411	<i>Desi</i>	Ca_Desig_Chr04	9856520	(A/G)
27817	CadSNP3412	<i>Desi</i>	Ca_Desig_Chr04	9856753	(T/C)
27818	CadSNP3413	<i>Desi</i>	Ca_Desig_Chr04	9856777	(G/T)
27819	CadSNP3414	<i>Desi</i>	Ca_Desig_Chr04	9856813	(A/T)
27820	CadSNP3415	<i>Desi</i>	Ca_Desig_Chr04	9857710	(T/C)
27821	CadSNP3416	<i>Desi</i>	Ca_Desig_Chr04	9857716	(C/T)
27822	CadSNP3417	<i>Desi</i>	Ca_Desig_Chr04	9858208	(T/C)
27823	CadSNP3418	<i>Desi</i>	Ca_Desig_Chr04	9858763	(C/A)
27824	CadSNP3419	<i>Desi</i>	Ca_Desig_Chr04	9873306	(A/G)
27825	CadSNP3420	<i>Desi</i>	Ca_Desig_Chr04	9873329	(C/A)
27826	CadSNP3421	<i>Desi</i>	Ca_Desig_Chr04	9873334	(A/T)
27827	CadSNP3422	<i>Desi</i>	Ca_Desig_Chr04	10003288	(T/C)
27828	CadSNP3423	<i>Desi</i>	Ca_Desig_Chr04	10034782	(G/A)
27829	CadSNP3424	<i>Desi</i>	Ca_Desig_Chr04	10162763	(A/C)
27830	CadSNP3425	<i>Desi</i>	Ca_Desig_Chr04	10162777	(G/A)
27831	CadSNP3426	<i>Desi</i>	Ca_Desig_Chr04	10237119	(G/C)
27832	CadSNP3427	<i>Desi</i>	Ca_Desig_Chr04	10249253	(C/T)
27833	CadSNP3428	<i>Desi</i>	Ca_Desig_Chr04	10249225	(T/C)
27834	CadSNP3429	<i>Desi</i>	Ca_Desig_Chr04	10297272	(T/C)
27835	CadSNP3430	<i>Desi</i>	Ca_Desig_Chr04	10297329	(C/T)
27836	CadSNP3431	<i>Desi</i>	Ca_Desig_Chr04	10339397	(G/A)
27837	CadSNP3432	<i>Desi</i>	Ca_Desig_Chr04	10365321	(G/T)
27838	CadSNP3433	<i>Desi</i>	Ca_Desig_Chr04	10365308	(G/C)
27839	CadSNP3434	<i>Desi</i>	Ca_Desig_Chr04	10376604	(G/C)
27840	CadSNP3435	<i>Desi</i>	Ca_Desig_Chr04	10563760	(C/T)
27841	CadSNP3436	<i>Desi</i>	Ca_Desig_Chr04	10563793	(G/C)
27842	CadSNP3437	<i>Desi</i>	Ca_Desig_Chr04	10563835	(T/C)
27843	CadSNP3438	<i>Desi</i>	Ca_Desig_Chr04	10613225	(A/G)
27844	CadSNP3439	<i>Desi</i>	Ca_Desig_Chr04	10613246	(T/G)
27845	CadSNP3440	<i>Desi</i>	Ca_Desig_Chr04	10652669	(A/C)
27846	CadSNP3441	<i>Desi</i>	Ca_Desig_Chr04	10653797	(C/T)
27847	CadSNP3442	<i>Desi</i>	Ca_Desig_Chr04	10675156	(T/C)
27848	CadSNP3443	<i>Desi</i>	Ca_Desig_Chr04	10675154	(C/G)
27849	CadSNP3444	<i>Desi</i>	Ca_Desig_Chr04	10675085	(C/T)
27850	CadSNP3445	<i>Desi</i>	Ca_Desig_Chr04	10679808	(G/A)
27851	CadSNP3446	<i>Desi</i>	Ca_Desig_Chr04	10679809	(G/A)
27852	CadSNP3447	<i>Desi</i>	Ca_Desig_Chr04	10735618	(C/T)
27853	CadSNP3448	<i>Desi</i>	Ca_Desig_Chr04	10735644	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27854	CadSNP3449	<i>Desi</i>	Ca_Desig_Chr04	10774368	(C/A)
27855	CadSNP3450	<i>Desi</i>	Ca_Desig_Chr04	10774538	(C/T)
27856	CadSNP3451	<i>Desi</i>	Ca_Desig_Chr04	10777966	(A/G)
27857	CadSNP3452	<i>Desi</i>	Ca_Desig_Chr04	10777980	(T/C)
27858	CadSNP3453	<i>Desi</i>	Ca_Desig_Chr04	10777994	(G/C)
27859	CadSNP3454	<i>Desi</i>	Ca_Desig_Chr04	10778121	(G/A)
27860	CadSNP3455	<i>Desi</i>	Ca_Desig_Chr04	10840349	(C/A)
27861	CadSNP3456	<i>Desi</i>	Ca_Desig_Chr04	10848826	(G/A)
27862	CadSNP3457	<i>Desi</i>	Ca_Desig_Chr04	10931914	(C/T)
27863	CadSNP3458	<i>Desi</i>	Ca_Desig_Chr04	10946181	(A/G)
27864	CadSNP3459	<i>Desi</i>	Ca_Desig_Chr04	11013040	(G/C)
27865	CadSNP3460	<i>Desi</i>	Ca_Desig_Chr04	11072174	(G/A)
27866	CadSNP3461	<i>Desi</i>	Ca_Desig_Chr04	11072150	(C/T)
27867	CadSNP3462	<i>Desi</i>	Ca_Desig_Chr04	11089813	(A/T)
27868	CadSNP3463	<i>Desi</i>	Ca_Desig_Chr04	11089940	(C/T)
27869	CadSNP3464	<i>Desi</i>	Ca_Desig_Chr04	11089936	(A/C)
27870	CadSNP3465	<i>Desi</i>	Ca_Desig_Chr04	11108907	(A/T)
27871	CadSNP3466	<i>Desi</i>	Ca_Desig_Chr04	11108985	(G/A)
27872	CadSNP3467	<i>Desi</i>	Ca_Desig_Chr04	11141025	(A/G)
27873	CadSNP3468	<i>Desi</i>	Ca_Desig_Chr04	11151839	(G/A)
27874	CadSNP3469	<i>Desi</i>	Ca_Desig_Chr04	11228779	(G/A)
27875	CadSNP3470	<i>Desi</i>	Ca_Desig_Chr04	11299550	(T/A)
27876	CadSNP3471	<i>Desi</i>	Ca_Desig_Chr04	11328592	(G/T)
27877	CadSNP3472	<i>Desi</i>	Ca_Desig_Chr04	11387866	(C/T)
27878	CadSNP3473	<i>Desi</i>	Ca_Desig_Chr04	11399103	(C/T)
27879	CadSNP3474	<i>Desi</i>	Ca_Desig_Chr04	11407181	(T/G)
27880	CadSNP3475	<i>Desi</i>	Ca_Desig_Chr04	11407191	(T/G)
27881	CadSNP3476	<i>Desi</i>	Ca_Desig_Chr04	11407349	(G/A)
27882	CadSNP3477	<i>Desi</i>	Ca_Desig_Chr04	11407317	(T/C)
27883	CadSNP3478	<i>Desi</i>	Ca_Desig_Chr04	11444490	(A/G)
27884	CadSNP3479	<i>Desi</i>	Ca_Desig_Chr04	11444591	(A/G)
27885	CadSNP3480	<i>Desi</i>	Ca_Desig_Chr04	11444656	(G/A)
27886	CadSNP3481	<i>Desi</i>	Ca_Desig_Chr04	11459017	(A/C)
27887	CadSNP3482	<i>Desi</i>	Ca_Desig_Chr04	11459978	(T/C)
27888	CadSNP3483	<i>Desi</i>	Ca_Desig_Chr04	11491003	(A/G)
27889	CadSNP3484	<i>Desi</i>	Ca_Desig_Chr04	11491028	(C/T)
27890	CadSNP3485	<i>Desi</i>	Ca_Desig_Chr04	11538965	(C/G)
27891	CadSNP3486	<i>Desi</i>	Ca_Desig_Chr04	11539242	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27892	CadSNP3487	<i>Desi</i>	Ca_Desig_Chr04	11539401	(T/C)
27893	CadSNP3488	<i>Desi</i>	Ca_Desig_Chr04	11540055	(A/G)
27894	CadSNP3489	<i>Desi</i>	Ca_Desig_Chr04	11540126	(G/C)
27895	CadSNP3490	<i>Desi</i>	Ca_Desig_Chr04	11541368	(A/G)
27896	CadSNP3491	<i>Desi</i>	Ca_Desig_Chr04	11542258	(A/G)
27897	CadSNP3492	<i>Desi</i>	Ca_Desig_Chr04	11543134	(T/A)
27898	CadSNP3493	<i>Desi</i>	Ca_Desig_Chr04	11543211	(G/A)
27899	CadSNP3494	<i>Desi</i>	Ca_Desig_Chr04	11570353	(G/A)
27900	CadSNP3495	<i>Desi</i>	Ca_Desig_Chr04	11570362	(C/T)
27901	CadSNP3496	<i>Desi</i>	Ca_Desig_Chr04	11570433	(C/T)
27902	CadSNP3497	<i>Desi</i>	Ca_Desig_Chr04	11572131	(C/A)
27903	CadSNP3498	<i>Desi</i>	Ca_Desig_Chr04	11572192	(A/C)
27904	CadSNP3499	<i>Desi</i>	Ca_Desig_Chr04	11585312	(G/A)
27905	CadSNP3500	<i>Desi</i>	Ca_Desig_Chr04	11585310	(T/C)
27906	CadSNP3501	<i>Desi</i>	Ca_Desig_Chr04	11585305	(T/C)
27907	CadSNP3502	<i>Desi</i>	Ca_Desig_Chr04	11586043	(A/C)
27908	CadSNP3503	<i>Desi</i>	Ca_Desig_Chr04	11586046	(T/A)
27909	CadSNP3504	<i>Desi</i>	Ca_Desig_Chr04	11586049	(G/C)
27910	CadSNP3505	<i>Desi</i>	Ca_Desig_Chr04	11618929	(A/C)
27911	CadSNP3506	<i>Desi</i>	Ca_Desig_Chr04	11655818	(G/A)
27912	CadSNP3507	<i>Desi</i>	Ca_Desig_Chr04	11666148	(A/T)
27913	CadSNP3508	<i>Desi</i>	Ca_Desig_Chr04	11666475	(C/A)
27914	CadSNP3509	<i>Desi</i>	Ca_Desig_Chr04	11674624	(A/C)
27915	CadSNP3510	<i>Desi</i>	Ca_Desig_Chr04	11674619	(A/C)
27916	CadSNP3511	<i>Desi</i>	Ca_Desig_Chr04	11674615	(C/A)
27917	CadSNP3512	<i>Desi</i>	Ca_Desig_Chr04	11674605	(G/A)
27918	CadSNP3513	<i>Desi</i>	Ca_Desig_Chr04	11674597	(A/C)
27919	CadSNP3514	<i>Desi</i>	Ca_Desig_Chr04	11674590	(T/C)
27920	CadSNP3515	<i>Desi</i>	Ca_Desig_Chr04	11674576	(A/T)
27921	CadSNP3516	<i>Desi</i>	Ca_Desig_Chr04	11704367	(T/G)
27922	CadSNP3517	<i>Desi</i>	Ca_Desig_Chr04	11704768	(T/C)
27923	CadSNP3518	<i>Desi</i>	Ca_Desig_Chr04	11784887	(G/A)
27924	CadSNP3519	<i>Desi</i>	Ca_Desig_Chr04	11784873	(T/C)
27925	CadSNP3520	<i>Desi</i>	Ca_Desig_Chr04	11985023	(T/C)
27926	CadSNP3521	<i>Desi</i>	Ca_Desig_Chr04	11984982	(C/T)
27927	CadSNP3522	<i>Desi</i>	Ca_Desig_Chr04	11995878	(T/C)
27928	CadSNP3523	<i>Desi</i>	Ca_Desig_Chr04	11997055	(A/G)
27929	CadSNP3524	<i>Desi</i>	Ca_Desig_Chr04	11997017	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27930	CadSNP3525	<i>Desi</i>	Ca_Desig_Chr04	11999317	(C/A)
27931	CadSNP3526	<i>Desi</i>	Ca_Desig_Chr04	12039170	(A/G)
27932	CadSNP3527	<i>Desi</i>	Ca_Desig_Chr04	12096227	(C/T)
27933	CadSNP3528	<i>Desi</i>	Ca_Desig_Chr04	12097965	(T/C)
27934	CadSNP3529	<i>Desi</i>	Ca_Desig_Chr04	12119441	(T/A)
27935	CadSNP3530	<i>Desi</i>	Ca_Desig_Chr04	12119463	(A/G)
27936	CadSNP3531	<i>Desi</i>	Ca_Desig_Chr04	12119500	(T/C)
27937	CadSNP3532	<i>Desi</i>	Ca_Desig_Chr04	12119513	(T/A)
27938	CadSNP3533	<i>Desi</i>	Ca_Desig_Chr04	12130950	(G/T)
27939	CadSNP3534	<i>Desi</i>	Ca_Desig_Chr04	12135151	(C/A)
27940	CadSNP3535	<i>Desi</i>	Ca_Desig_Chr04	12135294	(A/C)
27941	CadSNP3536	<i>Desi</i>	Ca_Desig_Chr04	12140662	(T/A)
27942	CadSNP3537	<i>Desi</i>	Ca_Desig_Chr04	12269598	(C/G)
27943	CadSNP3538	<i>Desi</i>	Ca_Desig_Chr04	12271908	(C/T)
27944	CadSNP3539	<i>Desi</i>	Ca_Desig_Chr04	12298911	(A/G)
27945	CadSNP3540	<i>Desi</i>	Ca_Desig_Chr04	12298993	(C/T)
27946	CadSNP3541	<i>Desi</i>	Ca_Desig_Chr04	12299035	(T/A)
27947	CadSNP3542	<i>Desi</i>	Ca_Desig_Chr04	12299174	(T/C)
27948	CadSNP3543	<i>Desi</i>	Ca_Desig_Chr04	12299128	(C/T)
27949	CadSNP3544	<i>Desi</i>	Ca_Desig_Chr04	12299214	(C/A)
27950	CadSNP3545	<i>Desi</i>	Ca_Desig_Chr04	12301681	(G/A)
27951	CadSNP3546	<i>Desi</i>	Ca_Desig_Chr04	12304961	(G/A)
27952	CadSNP3547	<i>Desi</i>	Ca_Desig_Chr04	12304989	(G/T)
27953	CadSNP3548	<i>Desi</i>	Ca_Desig_Chr04	12309308	(A/C)
27954	CadSNP3549	<i>Desi</i>	Ca_Desig_Chr04	12315934	(G/A)
27955	CadSNP3550	<i>Desi</i>	Ca_Desig_Chr04	12321545	(A/G)
27956	CadSNP3551	<i>Desi</i>	Ca_Desig_Chr04	12384834	(T/C)
27957	CadSNP3552	<i>Desi</i>	Ca_Desig_Chr04	12413541	(A/T)
27958	CadSNP3553	<i>Desi</i>	Ca_Desig_Chr04	12415544	(A/C)
27959	CadSNP3554	<i>Desi</i>	Ca_Desig_Chr04	12415630	(C/G)
27960	CadSNP3555	<i>Desi</i>	Ca_Desig_Chr04	12528593	(A/C)
27961	CadSNP3556	<i>Desi</i>	Ca_Desig_Chr04	12528566	(A/T)
27962	CadSNP3557	<i>Desi</i>	Ca_Desig_Chr04	12528565	(T/G)
27963	CadSNP3558	<i>Desi</i>	Ca_Desig_Chr04	12564742	(A/G)
27964	CadSNP3559	<i>Desi</i>	Ca_Desig_Chr04	12564773	(A/C)
27965	CadSNP3560	<i>Desi</i>	Ca_Desig_Chr04	12564866	(C/A)
27966	CadSNP3561	<i>Desi</i>	Ca_Desig_Chr04	12564855	(C/A)
27967	CadSNP3562	<i>Desi</i>	Ca_Desig_Chr04	12564957	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
27968	CadSNP3563	<i>Desi</i>	Ca_Desig_Chr04	12574174	(C/T)
27969	CadSNP3564	<i>Desi</i>	Ca_Desig_Chr04	12629545	(C/T)
27970	CadSNP3565	<i>Desi</i>	Ca_Desig_Chr04	12662794	(A/C)
27971	CadSNP3566	<i>Desi</i>	Ca_Desig_Chr04	12662792	(A/T)
27972	CadSNP3567	<i>Desi</i>	Ca_Desig_Chr04	12663614	(T/A)
27973	CadSNP3568	<i>Desi</i>	Ca_Desig_Chr04	12663616	(A/G)
27974	CadSNP3569	<i>Desi</i>	Ca_Desig_Chr04	12663750	(G/T)
27975	CadSNP3570	<i>Desi</i>	Ca_Desig_Chr04	12663740	(C/T)
27976	CadSNP3571	<i>Desi</i>	Ca_Desig_Chr04	12663732	(C/A)
27977	CadSNP3572	<i>Desi</i>	Ca_Desig_Chr04	12713249	(T/C)
27978	CadSNP3573	<i>Desi</i>	Ca_Desig_Chr04	12713219	(A/C)
27979	CadSNP3574	<i>Desi</i>	Ca_Desig_Chr04	12752895	(T/A)
27980	CadSNP3575	<i>Desi</i>	Ca_Desig_Chr04	12791262	(A/C)
27981	CadSNP3576	<i>Desi</i>	Ca_Desig_Chr04	12814460	(A/C)
27982	CadSNP3577	<i>Desi</i>	Ca_Desig_Chr04	12814458	(C/A)
27983	CadSNP3578	<i>Desi</i>	Ca_Desig_Chr04	12814456	(T/G)
27984	CadSNP3579	<i>Desi</i>	Ca_Desig_Chr04	12814386	(G/T)
27985	CadSNP3580	<i>Desi</i>	Ca_Desig_Chr04	12848886	(T/C)
27986	CadSNP3581	<i>Desi</i>	Ca_Desig_Chr04	12848914	(C/T)
27987	CadSNP3582	<i>Desi</i>	Ca_Desig_Chr04	12848968	(T/A)
27988	CadSNP3583	<i>Desi</i>	Ca_Desig_Chr04	12915127	(G/A)
27989	CadSNP3584	<i>Desi</i>	Ca_Desig_Chr04	12991328	(C/T)
27990	CadSNP3585	<i>Desi</i>	Ca_Desig_Chr04	12991368	(C/T)
27991	CadSNP3586	<i>Desi</i>	Ca_Desig_Chr04	15802555	(G/A)
27992	CadSNP3587	<i>Desi</i>	Ca_Desig_Chr04	15802546	(A/C)
27993	CadSNP3588	<i>Desi</i>	Ca_Desig_Chr04	15813365	(T/G)
27994	CadSNP3589	<i>Desi</i>	Ca_Desig_Chr04	15813383	(G/C)
27995	CadSNP3590	<i>Desi</i>	Ca_Desig_Chr04	15867143	(C/T)
27996	CadSNP3591	<i>Desi</i>	Ca_Desig_Chr04	15867148	(C/T)
27997	CadSNP3592	<i>Desi</i>	Ca_Desig_Chr04	15875005	(T/C)
27998	CadSNP3593	<i>Desi</i>	Ca_Desig_Chr04	15874938	(T/A)
27999	CadSNP3594	<i>Desi</i>	Ca_Desig_Chr04	15957930	(C/A)
28000	CadSNP3595	<i>Desi</i>	Ca_Desig_Chr04	15957928	(G/A)
28001	CadSNP3596	<i>Desi</i>	Ca_Desig_Chr04	15957923	(C/A)
28002	CadSNP3597	<i>Desi</i>	Ca_Desig_Chr04	15957956	(T/G)
28003	CadSNP3598	<i>Desi</i>	Ca_Desig_Chr04	16029782	(G/A)
28004	CadSNP3599	<i>Desi</i>	Ca_Desig_Chr04	16033309	(T/C)
28005	CadSNP3600	<i>Desi</i>	Ca_Desig_Chr04	16061799	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28006	CadSNP3601	<i>Desi</i>	Ca_Desig_Chr04	16061797	(A/G)
28007	CadSNP3602	<i>Desi</i>	Ca_Desig_Chr04	16079954	(C/G)
28008	CadSNP3603	<i>Desi</i>	Ca_Desig_Chr04	16119549	(T/C)
28009	CadSNP3604	<i>Desi</i>	Ca_Desig_Chr04	16140046	(A/G)
28010	CadSNP3605	<i>Desi</i>	Ca_Desig_Chr04	16174595	(T/G)
28011	CadSNP3606	<i>Desi</i>	Ca_Desig_Chr04	16206440	(A/C)
28012	CadSNP3607	<i>Desi</i>	Ca_Desig_Chr04	16206773	(C/T)
28013	CadSNP3608	<i>Desi</i>	Ca_Desig_Chr04	16219603	(C/A)
28014	CadSNP3609	<i>Desi</i>	Ca_Desig_Chr04	16219684	(G/A)
28015	CadSNP3610	<i>Desi</i>	Ca_Desig_Chr04	16283662	(A/C)
28016	CadSNP3611	<i>Desi</i>	Ca_Desig_Chr04	16303827	(C/T)
28017	CadSNP3612	<i>Desi</i>	Ca_Desig_Chr04	16318820	(G/A)
28018	CadSNP3613	<i>Desi</i>	Ca_Desig_Chr04	16318794	(C/T)
28019	CadSNP3614	<i>Desi</i>	Ca_Desig_Chr04	16362424	(T/G)
28020	CadSNP3615	<i>Desi</i>	Ca_Desig_Chr04	16364589	(A/G)
28021	CadSNP3616	<i>Desi</i>	Ca_Desig_Chr04	16420044	(A/G)
28022	CadSNP3617	<i>Desi</i>	Ca_Desig_Chr04	16447632	(T/C)
28023	CadSNP3618	<i>Desi</i>	Ca_Desig_Chr04	16467205	(G/A)
28024	CadSNP3619	<i>Desi</i>	Ca_Desig_Chr04	16467235	(C/G)
28025	CadSNP3620	<i>Desi</i>	Ca_Desig_Chr04	16541771	(T/C)
28026	CadSNP3621	<i>Desi</i>	Ca_Desig_Chr04	16557321	(T/C)
28027	CadSNP3622	<i>Desi</i>	Ca_Desig_Chr04	16557315	(C/G)
28028	CadSNP3623	<i>Desi</i>	Ca_Desig_Chr04	16565082	(G/A)
28029	CadSNP3624	<i>Desi</i>	Ca_Desig_Chr04	16568515	(T/C)
28030	CadSNP3625	<i>Desi</i>	Ca_Desig_Chr04	16591970	(C/T)
28031	CadSNP3626	<i>Desi</i>	Ca_Desig_Chr04	16706724	(G/A)
28032	CadSNP3627	<i>Desi</i>	Ca_Desig_Chr04	16706770	(G/T)
28033	CadSNP3628	<i>Desi</i>	Ca_Desig_Chr04	16716002	(A/C)
28034	CadSNP3629	<i>Desi</i>	Ca_Desig_Chr04	16723042	(T/C)
28035	CadSNP3630	<i>Desi</i>	Ca_Desig_Chr04	16729870	(T/C)
28036	CadSNP3631	<i>Desi</i>	Ca_Desig_Chr04	16729998	(G/A)
28037	CadSNP3632	<i>Desi</i>	Ca_Desig_Chr04	16791453	(G/A)
28038	CadSNP3633	<i>Desi</i>	Ca_Desig_Chr04	16795445	(C/A)
28039	CadSNP3634	<i>Desi</i>	Ca_Desig_Chr04	16818323	(A/G)
28040	CadSNP3635	<i>Desi</i>	Ca_Desig_Chr04	16818333	(G/A)
28041	CadSNP3636	<i>Desi</i>	Ca_Desig_Chr04	16818359	(G/A)
28042	CadSNP3637	<i>Desi</i>	Ca_Desig_Chr04	16818409	(A/T)
28043	CadSNP3638	<i>Desi</i>	Ca_Desig_Chr04	16894642	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28044	CadSNP3639	<i>Desi</i>	Ca_Desig_Chr04	16894732	(T/G)
28045	CadSNP3640	<i>Desi</i>	Ca_Desig_Chr04	16900160	(T/C)
28046	CadSNP3641	<i>Desi</i>	Ca_Desig_Chr04	16900349	(A/G)
28047	CadSNP3642	<i>Desi</i>	Ca_Desig_Chr04	16931700	(C/G)
28048	CadSNP3643	<i>Desi</i>	Ca_Desig_Chr04	16950056	(C/T)
28049	CadSNP3644	<i>Desi</i>	Ca_Desig_Chr04	16950110	(A/G)
28050	CadSNP3645	<i>Desi</i>	Ca_Desig_Chr04	17026028	(T/G)
28051	CadSNP3646	<i>Desi</i>	Ca_Desig_Chr04	17026071	(T/A)
28052	CadSNP3647	<i>Desi</i>	Ca_Desig_Chr04	17919274	(C/T)
28053	CadSNP3648	<i>Desi</i>	Ca_Desig_Chr04	17919244	(G/A)
28054	CadSNP3649	<i>Desi</i>	Ca_Desig_Chr04	17931749	(T/A)
28055	CadSNP3650	<i>Desi</i>	Ca_Desig_Chr04	17931752	(T/C)
28056	CadSNP3651	<i>Desi</i>	Ca_Desig_Chr04	17931776	(A/C)
28057	CadSNP3652	<i>Desi</i>	Ca_Desig_Chr04	17996121	(G/A)
28058	CadSNP3653	<i>Desi</i>	Ca_Desig_Chr04	18064741	(G/A)
28059	CadSNP3654	<i>Desi</i>	Ca_Desig_Chr04	18129339	(A/T)
28060	CadSNP3655	<i>Desi</i>	Ca_Desig_Chr04	18131298	(C/G)
28061	CadSNP3656	<i>Desi</i>	Ca_Desig_Chr04	18193185	(T/G)
28062	CadSNP3657	<i>Desi</i>	Ca_Desig_Chr04	18198300	(G/T)
28063	CadSNP3658	<i>Desi</i>	Ca_Desig_Chr04	18198339	(G/T)
28064	CadSNP3659	<i>Desi</i>	Ca_Desig_Chr04	18199245	(A/G)
28065	CadSNP3660	<i>Desi</i>	Ca_Desig_Chr04	18199714	(T/C)
28066	CadSNP3661	<i>Desi</i>	Ca_Desig_Chr04	18227621	(T/C)
28067	CadSNP3662	<i>Desi</i>	Ca_Desig_Chr04	18227647	(A/G)
28068	CadSNP3663	<i>Desi</i>	Ca_Desig_Chr04	18267493	(G/A)
28069	CadSNP3664	<i>Desi</i>	Ca_Desig_Chr04	18268355	(T/C)
28070	CadSNP3665	<i>Desi</i>	Ca_Desig_Chr04	18268350	(C/T)
28071	CadSNP3666	<i>Desi</i>	Ca_Desig_Chr04	18280066	(C/G)
28072	CadSNP3667	<i>Desi</i>	Ca_Desig_Chr04	18280119	(C/T)
28073	CadSNP3668	<i>Desi</i>	Ca_Desig_Chr04	18280131	(C/G)
28074	CadSNP3669	<i>Desi</i>	Ca_Desig_Chr04	18291914	(G/C)
28075	CadSNP3670	<i>Desi</i>	Ca_Desig_Chr04	18291889	(C/T)
28076	CadSNP3671	<i>Desi</i>	Ca_Desig_Chr04	18313138	(T/C)
28077	CadSNP3672	<i>Desi</i>	Ca_Desig_Chr04	18313400	(T/C)
28078	CadSNP3673	<i>Desi</i>	Ca_Desig_Chr04	18313421	(G/A)
28079	CadSNP3674	<i>Desi</i>	Ca_Desig_Chr04	18313486	(T/C)
28080	CadSNP3675	<i>Desi</i>	Ca_Desig_Chr04	18323557	(G/C)
28081	CadSNP3676	<i>Desi</i>	Ca_Desig_Chr04	18339785	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28082	CadSNP3677	<i>Desi</i>	Ca_Desig_Chr04	18339893	(A/G)
28083	CadSNP3678	<i>Desi</i>	Ca_Desig_Chr04	18339940	(C/T)
28084	CadSNP3679	<i>Desi</i>	Ca_Desig_Chr04	18352810	(G/A)
28085	CadSNP3680	<i>Desi</i>	Ca_Desig_Chr04	18366659	(G/A)
28086	CadSNP3681	<i>Desi</i>	Ca_Desig_Chr04	18368255	(C/T)
28087	CadSNP3682	<i>Desi</i>	Ca_Desig_Chr04	18369011	(A/G)
28088	CadSNP3683	<i>Desi</i>	Ca_Desig_Chr04	18368995	(T/C)
28089	CadSNP3684	<i>Desi</i>	Ca_Desig_Chr04	18369344	(G/C)
28090	CadSNP3685	<i>Desi</i>	Ca_Desig_Chr04	18369484	(C/A)
28091	CadSNP3686	<i>Desi</i>	Ca_Desig_Chr04	18369480	(C/T)
28092	CadSNP3687	<i>Desi</i>	Ca_Desig_Chr04	18372411	(T/C)
28093	CadSNP3688	<i>Desi</i>	Ca_Desig_Chr04	18392366	(G/C)
28094	CadSNP3689	<i>Desi</i>	Ca_Desig_Chr04	18445805	(T/G)
28095	CadSNP3690	<i>Desi</i>	Ca_Desig_Chr04	18445893	(C/T)
28096	CadSNP3691	<i>Desi</i>	Ca_Desig_Chr04	18471741	(A/C)
28097	CadSNP3692	<i>Desi</i>	Ca_Desig_Chr04	18508185	(A/G)
28098	CadSNP3693	<i>Desi</i>	Ca_Desig_Chr04	18522039	(A/C)
28099	CadSNP3694	<i>Desi</i>	Ca_Desig_Chr04	18523888	(G/A)
28100	CadSNP3695	<i>Desi</i>	Ca_Desig_Chr04	18523926	(T/A)
28101	CadSNP3696	<i>Desi</i>	Ca_Desig_Chr04	18625876	(T/A)
28102	CadSNP3697	<i>Desi</i>	Ca_Desig_Chr04	18632718	(A/G)
28103	CadSNP3698	<i>Desi</i>	Ca_Desig_Chr04	18663101	(T/A)
28104	CadSNP3699	<i>Desi</i>	Ca_Desig_Chr04	18687591	(C/T)
28105	CadSNP3700	<i>Desi</i>	Ca_Desig_Chr04	18760748	(T/C)
28106	CadSNP3701	<i>Desi</i>	Ca_Desig_Chr04	18778220	(C/T)
28107	CadSNP3702	<i>Desi</i>	Ca_Desig_Chr04	18790423	(T/C)
28108	CadSNP3703	<i>Desi</i>	Ca_Desig_Chr04	18846789	(G/A)
28109	CadSNP3704	<i>Desi</i>	Ca_Desig_Chr04	18846807	(C/T)
28110	CadSNP3705	<i>Desi</i>	Ca_Desig_Chr04	18855366	(A/G)
28111	CadSNP3706	<i>Desi</i>	Ca_Desig_Chr04	18855408	(C/G)
28112	CadSNP3707	<i>Desi</i>	Ca_Desig_Chr04	18911805	(G/C)
28113	CadSNP3708	<i>Desi</i>	Ca_Desig_Chr04	18924112	(G/T)
28114	CadSNP3709	<i>Desi</i>	Ca_Desig_Chr04	18941507	(C/T)
28115	CadSNP3710	<i>Desi</i>	Ca_Desig_Chr04	18941645	(A/G)
28116	CadSNP3711	<i>Desi</i>	Ca_Desig_Chr04	20339221	(T/C)
28117	CadSNP3712	<i>Desi</i>	Ca_Desig_Chr04	20360977	(C/T)
28118	CadSNP3713	<i>Desi</i>	Ca_Desig_Chr04	20361078	(T/C)
28119	CadSNP3714	<i>Desi</i>	Ca_Desig_Chr04	20369971	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28120	CadSNP3715	<i>Desi</i>	Ca_Desig_Chr04	20386141	(T/C)
28121	CadSNP3716	<i>Desi</i>	Ca_Desig_Chr04	20386231	(T/A)
28122	CadSNP3717	<i>Desi</i>	Ca_Desig_Chr04	20386593	(C/G)
28123	CadSNP3718	<i>Desi</i>	Ca_Desig_Chr04	20388518	(A/C)
28124	CadSNP3719	<i>Desi</i>	Ca_Desig_Chr04	20388677	(A/G)
28125	CadSNP3720	<i>Desi</i>	Ca_Desig_Chr04	20396629	(G/C)
28126	CadSNP3721	<i>Desi</i>	Ca_Desig_Chr04	20405127	(C/T)
28127	CadSNP3722	<i>Desi</i>	Ca_Desig_Chr04	20518130	(C/T)
28128	CadSNP3723	<i>Desi</i>	Ca_Desig_Chr04	20518568	(C/T)
28129	CadSNP3724	<i>Desi</i>	Ca_Desig_Chr04	20557265	(A/C)
28130	CadSNP3725	<i>Desi</i>	Ca_Desig_Chr04	20574910	(T/G)
28131	CadSNP3726	<i>Desi</i>	Ca_Desig_Chr04	20574891	(C/T)
28132	CadSNP3727	<i>Desi</i>	Ca_Desig_Chr04	20580196	(T/G)
28133	CadSNP3728	<i>Desi</i>	Ca_Desig_Chr04	20580207	(G/A)
28134	CadSNP3729	<i>Desi</i>	Ca_Desig_Chr04	20580215	(C/T)
28135	CadSNP3730	<i>Desi</i>	Ca_Desig_Chr04	20580218	(G/A)
28136	CadSNP3731	<i>Desi</i>	Ca_Desig_Chr04	20580284	(C/T)
28137	CadSNP3732	<i>Desi</i>	Ca_Desig_Chr04	20582382	(G/A)
28138	CadSNP3733	<i>Desi</i>	Ca_Desig_Chr04	20582394	(A/C)
28139	CadSNP3734	<i>Desi</i>	Ca_Desig_Chr04	20582489	(T/C)
28140	CadSNP3735	<i>Desi</i>	Ca_Desig_Chr04	20585887	(T/G)
28141	CadSNP3736	<i>Desi</i>	Ca_Desig_Chr04	20586515	(A/T)
28142	CadSNP3737	<i>Desi</i>	Ca_Desig_Chr04	20614978	(A/G)
28143	CadSNP3738	<i>Desi</i>	Ca_Desig_Chr04	20625667	(A/G)
28144	CadSNP3739	<i>Desi</i>	Ca_Desig_Chr04	20625729	(C/A)
28145	CadSNP3740	<i>Desi</i>	Ca_Desig_Chr04	20633467	(A/G)
28146	CadSNP3741	<i>Desi</i>	Ca_Desig_Chr04	20661901	(A/G)
28147	CadSNP3742	<i>Desi</i>	Ca_Desig_Chr04	20676423	(G/A)
28148	CadSNP3743	<i>Desi</i>	Ca_Desig_Chr04	20710946	(T/C)
28149	CadSNP3744	<i>Desi</i>	Ca_Desig_Chr04	20711005	(G/A)
28150	CadSNP3745	<i>Desi</i>	Ca_Desig_Chr04	20711087	(C/G)
28151	CadSNP3746	<i>Desi</i>	Ca_Desig_Chr04	20748169	(G/A)
28152	CadSNP3747	<i>Desi</i>	Ca_Desig_Chr04	20748239	(G/C)
28153	CadSNP3748	<i>Desi</i>	Ca_Desig_Chr04	20753169	(C/T)
28154	CadSNP3749	<i>Desi</i>	Ca_Desig_Chr04	20753163	(C/T)
28155	CadSNP3750	<i>Desi</i>	Ca_Desig_Chr04	20757214	(T/A)
28156	CadSNP3751	<i>Desi</i>	Ca_Desig_Chr04	20757259	(C/T)
28157	CadSNP3752	<i>Desi</i>	Ca_Desig_Chr04	20823263	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28158	CadSNP3753	<i>Desi</i>	Ca_Desig_Chr04	20823265	(C/A)
28159	CadSNP3754	<i>Desi</i>	Ca_Desig_Chr04	20823319	(C/T)
28160	CadSNP3755	<i>Desi</i>	Ca_Desig_Chr04	20826023	(C/G)
28161	CadSNP3756	<i>Desi</i>	Ca_Desig_Chr04	20841166	(C/G)
28162	CadSNP3757	<i>Desi</i>	Ca_Desig_Chr04	20852160	(G/A)
28163	CadSNP3758	<i>Desi</i>	Ca_Desig_Chr04	20855255	(T/C)
28164	CadSNP3759	<i>Desi</i>	Ca_Desig_Chr04	20855302	(T/C)
28165	CadSNP3760	<i>Desi</i>	Ca_Desig_Chr04	20855381	(A/G)
28166	CadSNP3761	<i>Desi</i>	Ca_Desig_Chr04	20855389	(A/C)
28167	CadSNP3762	<i>Desi</i>	Ca_Desig_Chr04	20870761	(T/C)
28168	CadSNP3763	<i>Desi</i>	Ca_Desig_Chr04	20870767	(A/T)
28169	CadSNP3764	<i>Desi</i>	Ca_Desig_Chr04	20870774	(A/G)
28170	CadSNP3765	<i>Desi</i>	Ca_Desig_Chr04	20872345	(A/C)
28171	CadSNP3766	<i>Desi</i>	Ca_Desig_Chr04	20879043	(T/C)
28172	CadSNP3767	<i>Desi</i>	Ca_Desig_Chr04	20879169	(A/G)
28173	CadSNP3768	<i>Desi</i>	Ca_Desig_Chr04	20879666	(T/C)
28174	CadSNP3769	<i>Desi</i>	Ca_Desig_Chr04	20907979	(C/A)
28175	CadSNP3770	<i>Desi</i>	Ca_Desig_Chr04	20922429	(T/C)
28176	CadSNP3771	<i>Desi</i>	Ca_Desig_Chr04	20922435	(G/A)
28177	CadSNP3772	<i>Desi</i>	Ca_Desig_Chr04	20922440	(A/G)
28178	CadSNP3773	<i>Desi</i>	Ca_Desig_Chr04	20977274	(G/A)
28179	CadSNP3774	<i>Desi</i>	Ca_Desig_Chr04	20996839	(G/C)
28180	CadSNP3775	<i>Desi</i>	Ca_Desig_Chr04	21010335	(A/G)
28181	CadSNP3776	<i>Desi</i>	Ca_Desig_Chr04	21010292	(T/G)
28182	CadSNP3777	<i>Desi</i>	Ca_Desig_Chr04	21010291	(A/C)
28183	CadSNP3778	<i>Desi</i>	Ca_Desig_Chr04	21045593	(T/C)
28184	CadSNP3779	<i>Desi</i>	Ca_Desig_Chr04	21081471	(C/T)
28185	CadSNP3780	<i>Desi</i>	Ca_Desig_Chr04	21144276	(A/G)
28186	CadSNP3781	<i>Desi</i>	Ca_Desig_Chr04	21145277	(G/C)
28187	CadSNP3782	<i>Desi</i>	Ca_Desig_Chr04	21145219	(C/G)
28188	CadSNP3783	<i>Desi</i>	Ca_Desig_Chr04	21145724	(G/A)
28189	CadSNP3784	<i>Desi</i>	Ca_Desig_Chr04	21145680	(A/G)
28190	CadSNP3785	<i>Desi</i>	Ca_Desig_Chr04	21155495	(T/C)
28191	CadSNP3786	<i>Desi</i>	Ca_Desig_Chr04	21157578	(C/T)
28192	CadSNP3787	<i>Desi</i>	Ca_Desig_Chr04	21181520	(A/C)
28193	CadSNP3788	<i>Desi</i>	Ca_Desig_Chr04	21181656	(G/C)
28194	CadSNP3789	<i>Desi</i>	Ca_Desig_Chr04	21181685	(A/G)
28195	CadSNP3790	<i>Desi</i>	Ca_Desig_Chr04	21181712	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28196	CadSNP3791	<i>Desi</i>	Ca_Desig_Chr04	21181961	(G/A)
28197	CadSNP3792	<i>Desi</i>	Ca_Desig_Chr04	21182067	(A/C)
28198	CadSNP3793	<i>Desi</i>	Ca_Desig_Chr04	21187810	(G/T)
28199	CadSNP3794	<i>Desi</i>	Ca_Desig_Chr04	21191223	(T/C)
28200	CadSNP3795	<i>Desi</i>	Ca_Desig_Chr04	21221287	(A/G)
28201	CadSNP3796	<i>Desi</i>	Ca_Desig_Chr04	21227078	(A/C)
28202	CadSNP3797	<i>Desi</i>	Ca_Desig_Chr04	21238854	(T/C)
28203	CadSNP3798	<i>Desi</i>	Ca_Desig_Chr04	21380341	(T/C)
28204	CadSNP3799	<i>Desi</i>	Ca_Desig_Chr04	21382115	(A/G)
28205	CadSNP3800	<i>Desi</i>	Ca_Desig_Chr04	21385541	(T/C)
28206	CadSNP3801	<i>Desi</i>	Ca_Desig_Chr04	21398679	(A/C)
28207	CadSNP3802	<i>Desi</i>	Ca_Desig_Chr04	21650184	(A/G)
28208	CadSNP3803	<i>Desi</i>	Ca_Desig_Chr04	21650187	(G/A)
28209	CadSNP3804	<i>Desi</i>	Ca_Desig_Chr04	21654308	(G/A)
28210	CadSNP3805	<i>Desi</i>	Ca_Desig_Chr04	21654336	(A/T)
28211	CadSNP3806	<i>Desi</i>	Ca_Desig_Chr04	21654463	(C/T)
28212	CadSNP3807	<i>Desi</i>	Ca_Desig_Chr04	21654528	(T/C)
28213	CadSNP3808	<i>Desi</i>	Ca_Desig_Chr04	21752147	(T/A)
28214	CadSNP3809	<i>Desi</i>	Ca_Desig_Chr04	21752234	(A/T)
28215	CadSNP3810	<i>Desi</i>	Ca_Desig_Chr04	21752216	(A/G)
28216	CadSNP3811	<i>Desi</i>	Ca_Desig_Chr04	21788145	(T/A)
28217	CadSNP3812	<i>Desi</i>	Ca_Desig_Chr04	21831559	(C/T)
28218	CadSNP3813	<i>Desi</i>	Ca_Desig_Chr04	21837775	(A/T)
28219	CadSNP3814	<i>Desi</i>	Ca_Desig_Chr04	21839520	(A/T)
28220	CadSNP3815	<i>Desi</i>	Ca_Desig_Chr04	21862336	(G/T)
28221	CadSNP3816	<i>Desi</i>	Ca_Desig_Chr04	21887261	(T/G)
28222	CadSNP3817	<i>Desi</i>	Ca_Desig_Chr04	21887317	(C/T)
28223	CadSNP3818	<i>Desi</i>	Ca_Desig_Chr04	21927865	(A/G)
28224	CadSNP3819	<i>Desi</i>	Ca_Desig_Chr04	21928532	(C/T)
28225	CadSNP3820	<i>Desi</i>	Ca_Desig_Chr04	21928536	(C/T)
28226	CadSNP3821	<i>Desi</i>	Ca_Desig_Chr04	21928678	(T/A)
28227	CadSNP3822	<i>Desi</i>	Ca_Desig_Chr04	21928665	(T/C)
28228	CadSNP3823	<i>Desi</i>	Ca_Desig_Chr04	21982037	(A/C)
28229	CadSNP3824	<i>Desi</i>	Ca_Desig_Chr04	22000338	(T/C)
28230	CadSNP3825	<i>Desi</i>	Ca_Desig_Chr04	22000373	(T/C)
28231	CadSNP3826	<i>Desi</i>	Ca_Desig_Chr04	22000428	(A/G)
28232	CadSNP3827	<i>Desi</i>	Ca_Desig_Chr04	22037221	(C/A)
28233	CadSNP3828	<i>Desi</i>	Ca_Desig_Chr05	37035	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28234	CadSNP3829	<i>Desi</i>	Ca_Desig_Chr05	37173	(C/A)
28235	CadSNP3830	<i>Desi</i>	Ca_Desig_Chr05	42449	(A/G)
28236	CadSNP3831	<i>Desi</i>	Ca_Desig_Chr05	96304	(C/A)
28237	CadSNP3832	<i>Desi</i>	Ca_Desig_Chr05	100313	(G/A)
28238	CadSNP3833	<i>Desi</i>	Ca_Desig_Chr05	103929	(T/C)
28239	CadSNP3834	<i>Desi</i>	Ca_Desig_Chr05	154234	(T/C)
28240	CadSNP3835	<i>Desi</i>	Ca_Desig_Chr05	258865	(T/G)
28241	CadSNP3836	<i>Desi</i>	Ca_Desig_Chr05	258877	(T/C)
28242	CadSNP3837	<i>Desi</i>	Ca_Desig_Chr05	264322	(C/T)
28243	CadSNP3838	<i>Desi</i>	Ca_Desig_Chr05	264325	(C/A)
28244	CadSNP3839	<i>Desi</i>	Ca_Desig_Chr05	416110	(T/C)
28245	CadSNP3840	<i>Desi</i>	Ca_Desig_Chr05	431477	(T/A)
28246	CadSNP3841	<i>Desi</i>	Ca_Desig_Chr05	451451	(G/A)
28247	CadSNP3842	<i>Desi</i>	Ca_Desig_Chr05	482748	(A/C)
28248	CadSNP3843	<i>Desi</i>	Ca_Desig_Chr05	492472	(G/T)
28249	CadSNP3844	<i>Desi</i>	Ca_Desig_Chr05	577934	(G/A)
28250	CadSNP3845	<i>Desi</i>	Ca_Desig_Chr05	577987	(C/T)
28251	CadSNP3846	<i>Desi</i>	Ca_Desig_Chr05	577999	(C/T)
28252	CadSNP3847	<i>Desi</i>	Ca_Desig_Chr05	634143	(C/T)
28253	CadSNP3848	<i>Desi</i>	Ca_Desig_Chr05	634312	(C/T)
28254	CadSNP3849	<i>Desi</i>	Ca_Desig_Chr05	634310	(C/A)
28255	CadSNP3850	<i>Desi</i>	Ca_Desig_Chr05	634302	(T/C)
28256	CadSNP3851	<i>Desi</i>	Ca_Desig_Chr05	634300	(T/C)
28257	CadSNP3852	<i>Desi</i>	Ca_Desig_Chr05	634296	(C/T)
28258	CadSNP3853	<i>Desi</i>	Ca_Desig_Chr05	634238	(C/T)
28259	CadSNP3854	<i>Desi</i>	Ca_Desig_Chr05	634232	(C/T)
28260	CadSNP3855	<i>Desi</i>	Ca_Desig_Chr05	638974	(T/G)
28261	CadSNP3856	<i>Desi</i>	Ca_Desig_Chr05	639133	(T/C)
28262	CadSNP3857	<i>Desi</i>	Ca_Desig_Chr05	659816	(G/A)
28263	CadSNP3858	<i>Desi</i>	Ca_Desig_Chr05	659875	(T/G)
28264	CadSNP3859	<i>Desi</i>	Ca_Desig_Chr05	659877	(C/T)
28265	CadSNP3860	<i>Desi</i>	Ca_Desig_Chr05	665311	(G/A)
28266	CadSNP3861	<i>Desi</i>	Ca_Desig_Chr05	671982	(G/A)
28267	CadSNP3862	<i>Desi</i>	Ca_Desig_Chr05	671979	(T/C)
28268	CadSNP3863	<i>Desi</i>	Ca_Desig_Chr05	671968	(A/G)
28269	CadSNP3864	<i>Desi</i>	Ca_Desig_Chr05	671963	(G/A)
28270	CadSNP3865	<i>Desi</i>	Ca_Desig_Chr05	671961	(A/C)
28271	CadSNP3866	<i>Desi</i>	Ca_Desig_Chr05	671959	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28272	CadSNP3867	<i>Desi</i>	Ca_Desig_Chr05	671956	(A/G)
28273	CadSNP3868	<i>Desi</i>	Ca_Desig_Chr05	671955	(C/T)
28274	CadSNP3869	<i>Desi</i>	Ca_Desig_Chr05	676205	(C/T)
28275	CadSNP3870	<i>Desi</i>	Ca_Desig_Chr05	689741	(T/A)
28276	CadSNP3871	<i>Desi</i>	Ca_Desig_Chr05	1293765	(T/C)
28277	CadSNP3872	<i>Desi</i>	Ca_Desig_Chr05	1294163	(A/G)
28278	CadSNP3873	<i>Desi</i>	Ca_Desig_Chr05	1302892	(C/A)
28279	CadSNP3874	<i>Desi</i>	Ca_Desig_Chr05	1304248	(A/G)
28280	CadSNP3875	<i>Desi</i>	Ca_Desig_Chr05	1375814	(T/C)
28281	CadSNP3876	<i>Desi</i>	Ca_Desig_Chr05	1375877	(G/A)
28282	CadSNP3877	<i>Desi</i>	Ca_Desig_Chr05	1388307	(A/C)
28283	CadSNP3878	<i>Desi</i>	Ca_Desig_Chr05	1392164	(T/G)
28284	CadSNP3879	<i>Desi</i>	Ca_Desig_Chr05	1429149	(C/T)
28285	CadSNP3880	<i>Desi</i>	Ca_Desig_Chr05	1434852	(T/C)
28286	CadSNP3881	<i>Desi</i>	Ca_Desig_Chr05	1435590	(A/T)
28287	CadSNP3882	<i>Desi</i>	Ca_Desig_Chr05	1440879	(G/A)
28288	CadSNP3883	<i>Desi</i>	Ca_Desig_Chr05	1442759	(T/C)
28289	CadSNP3884	<i>Desi</i>	Ca_Desig_Chr05	1469121	(G/A)
28290	CadSNP3885	<i>Desi</i>	Ca_Desig_Chr05	1470975	(G/C)
28291	CadSNP3886	<i>Desi</i>	Ca_Desig_Chr05	1471127	(T/C)
28292	CadSNP3887	<i>Desi</i>	Ca_Desig_Chr05	1471636	(T/C)
28293	CadSNP3888	<i>Desi</i>	Ca_Desig_Chr05	1471627	(T/C)
28294	CadSNP3889	<i>Desi</i>	Ca_Desig_Chr05	1471623	(T/C)
28295	CadSNP3890	<i>Desi</i>	Ca_Desig_Chr05	1471590	(A/C)
28296	CadSNP3891	<i>Desi</i>	Ca_Desig_Chr05	1478144	(G/A)
28297	CadSNP3892	<i>Desi</i>	Ca_Desig_Chr05	1483310	(T/G)
28298	CadSNP3893	<i>Desi</i>	Ca_Desig_Chr05	1483398	(C/T)
28299	CadSNP3894	<i>Desi</i>	Ca_Desig_Chr05	1483432	(G/A)
28300	CadSNP3895	<i>Desi</i>	Ca_Desig_Chr05	1498913	(C/T)
28301	CadSNP3896	<i>Desi</i>	Ca_Desig_Chr05	1498911	(G/A)
28302	CadSNP3897	<i>Desi</i>	Ca_Desig_Chr05	1501343	(G/T)
28303	CadSNP3898	<i>Desi</i>	Ca_Desig_Chr05	1501472	(T/C)
28304	CadSNP3899	<i>Desi</i>	Ca_Desig_Chr05	1501486	(G/T)
28305	CadSNP3900	<i>Desi</i>	Ca_Desig_Chr05	1501487	(A/C)
28306	CadSNP3901	<i>Desi</i>	Ca_Desig_Chr05	1520333	(C/T)
28307	CadSNP3902	<i>Desi</i>	Ca_Desig_Chr05	1612659	(C/T)
28308	CadSNP3903	<i>Desi</i>	Ca_Desig_Chr05	1612663	(C/G)
28309	CadSNP3904	<i>Desi</i>	Ca_Desig_Chr05	1612664	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28310	CadSNP3905	<i>Desi</i>	Ca_Desig_Chr05	1612702	(A/G)
28311	CadSNP3906	<i>Desi</i>	Ca_Desig_Chr05	1615972	(A/C)
28312	CadSNP3907	<i>Desi</i>	Ca_Desig_Chr05	1616016	(A/C)
28313	CadSNP3908	<i>Desi</i>	Ca_Desig_Chr05	1641902	(G/A)
28314	CadSNP3909	<i>Desi</i>	Ca_Desig_Chr05	1676774	(C/T)
28315	CadSNP3910	<i>Desi</i>	Ca_Desig_Chr05	1676793	(C/T)
28316	CadSNP3911	<i>Desi</i>	Ca_Desig_Chr05	1676805	(A/T)
28317	CadSNP3912	<i>Desi</i>	Ca_Desig_Chr05	1689024	(A/G)
28318	CadSNP3913	<i>Desi</i>	Ca_Desig_Chr05	1689122	(C/T)
28319	CadSNP3914	<i>Desi</i>	Ca_Desig_Chr05	1815887	(T/G)
28320	CadSNP3915	<i>Desi</i>	Ca_Desig_Chr05	1841881	(G/A)
28321	CadSNP3916	<i>Desi</i>	Ca_Desig_Chr05	1943187	(G/T)
28322	CadSNP3917	<i>Desi</i>	Ca_Desig_Chr05	1943188	(T/G)
28323	CadSNP3918	<i>Desi</i>	Ca_Desig_Chr05	1945270	(T/C)
28324	CadSNP3919	<i>Desi</i>	Ca_Desig_Chr05	1945275	(T/C)
28325	CadSNP3920	<i>Desi</i>	Ca_Desig_Chr05	1945284	(A/G)
28326	CadSNP3921	<i>Desi</i>	Ca_Desig_Chr05	1945289	(C/T)
28327	CadSNP3922	<i>Desi</i>	Ca_Desig_Chr05	1945304	(C/A)
28328	CadSNP3923	<i>Desi</i>	Ca_Desig_Chr05	1980726	(C/T)
28329	CadSNP3924	<i>Desi</i>	Ca_Desig_Chr05	1980736	(A/C)
28330	CadSNP3925	<i>Desi</i>	Ca_Desig_Chr05	1993416	(G/A)
28331	CadSNP3926	<i>Desi</i>	Ca_Desig_Chr05	2006955	(G/A)
28332	CadSNP3927	<i>Desi</i>	Ca_Desig_Chr05	2007010	(C/T)
28333	CadSNP3928	<i>Desi</i>	Ca_Desig_Chr05	2007070	(G/A)
28334	CadSNP3929	<i>Desi</i>	Ca_Desig_Chr05	2007048	(A/T)
28335	CadSNP3930	<i>Desi</i>	Ca_Desig_Chr05	2007025	(C/T)
28336	CadSNP3931	<i>Desi</i>	Ca_Desig_Chr05	2007018	(C/A)
28337	CadSNP3932	<i>Desi</i>	Ca_Desig_Chr05	2030295	(T/G)
28338	CadSNP3933	<i>Desi</i>	Ca_Desig_Chr05	2030387	(A/G)
28339	CadSNP3934	<i>Desi</i>	Ca_Desig_Chr05	2038304	(T/C)
28340	CadSNP3935	<i>Desi</i>	Ca_Desig_Chr05	2083350	(G/T)
28341	CadSNP3936	<i>Desi</i>	Ca_Desig_Chr05	2083393	(G/A)
28342	CadSNP3937	<i>Desi</i>	Ca_Desig_Chr05	2101902	(A/C)
28343	CadSNP3938	<i>Desi</i>	Ca_Desig_Chr05	2101928	(A/G)
28344	CadSNP3939	<i>Desi</i>	Ca_Desig_Chr05	2303663	(A/C)
28345	CadSNP3940	<i>Desi</i>	Ca_Desig_Chr05	2314518	(G/A)
28346	CadSNP3941	<i>Desi</i>	Ca_Desig_Chr05	2325492	(G/C)
28347	CadSNP3942	<i>Desi</i>	Ca_Desig_Chr05	2326204	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28348	CadSNP3943	<i>Desi</i>	Ca_Desig_Chr05	2357849	(T/A)
28349	CadSNP3944	<i>Desi</i>	Ca_Desig_Chr05	2434557	(A/G)
28350	CadSNP3945	<i>Desi</i>	Ca_Desig_Chr05	2434548	(A/G)
28351	CadSNP3946	<i>Desi</i>	Ca_Desig_Chr05	2484112	(T/A)
28352	CadSNP3947	<i>Desi</i>	Ca_Desig_Chr05	2491971	(T/C)
28353	CadSNP3948	<i>Desi</i>	Ca_Desig_Chr05	2536083	(C/G)
28354	CadSNP3949	<i>Desi</i>	Ca_Desig_Chr05	2562520	(C/A)
28355	CadSNP3950	<i>Desi</i>	Ca_Desig_Chr05	2587807	(T/G)
28356	CadSNP3951	<i>Desi</i>	Ca_Desig_Chr05	2595925	(C/A)
28357	CadSNP3952	<i>Desi</i>	Ca_Desig_Chr05	2606743	(A/G)
28358	CadSNP3953	<i>Desi</i>	Ca_Desig_Chr05	2701112	(G/A)
28359	CadSNP3954	<i>Desi</i>	Ca_Desig_Chr05	2720909	(G/T)
28360	CadSNP3955	<i>Desi</i>	Ca_Desig_Chr05	2743869	(C/A)
28361	CadSNP3956	<i>Desi</i>	Ca_Desig_Chr05	2745042	(A/T)
28362	CadSNP3957	<i>Desi</i>	Ca_Desig_Chr05	2745052	(T/C)
28363	CadSNP3958	<i>Desi</i>	Ca_Desig_Chr05	2745071	(T/G)
28364	CadSNP3959	<i>Desi</i>	Ca_Desig_Chr05	2763807	(T/A)
28365	CadSNP3960	<i>Desi</i>	Ca_Desig_Chr05	2763828	(T/G)
28366	CadSNP3961	<i>Desi</i>	Ca_Desig_Chr05	2763839	(T/G)
28367	CadSNP3962	<i>Desi</i>	Ca_Desig_Chr05	2764411	(C/T)
28368	CadSNP3963	<i>Desi</i>	Ca_Desig_Chr05	2885352	(A/T)
28369	CadSNP3964	<i>Desi</i>	Ca_Desig_Chr05	2958647	(C/G)
28370	CadSNP3965	<i>Desi</i>	Ca_Desig_Chr05	2983407	(A/G)
28371	CadSNP3966	<i>Desi</i>	Ca_Desig_Chr05	2983465	(G/A)
28372	CadSNP3967	<i>Desi</i>	Ca_Desig_Chr05	2983482	(A/G)
28373	CadSNP3968	<i>Desi</i>	Ca_Desig_Chr05	3001255	(A/T)
28374	CadSNP3969	<i>Desi</i>	Ca_Desig_Chr05	3046631	(T/G)
28375	CadSNP3970	<i>Desi</i>	Ca_Desig_Chr05	3046779	(G/T)
28376	CadSNP3971	<i>Desi</i>	Ca_Desig_Chr05	3046861	(C/G)
28377	CadSNP3972	<i>Desi</i>	Ca_Desig_Chr05	3046897	(T/C)
28378	CadSNP3973	<i>Desi</i>	Ca_Desig_Chr05	3047053	(T/C)
28379	CadSNP3974	<i>Desi</i>	Ca_Desig_Chr05	3047220	(A/T)
28380	CadSNP3975	<i>Desi</i>	Ca_Desig_Chr05	3047196	(T/A)
28381	CadSNP3976	<i>Desi</i>	Ca_Desig_Chr05	3064260	(A/T)
28382	CadSNP3977	<i>Desi</i>	Ca_Desig_Chr05	3065677	(A/G)
28383	CadSNP3978	<i>Desi</i>	Ca_Desig_Chr05	3087346	(C/G)
28384	CadSNP3979	<i>Desi</i>	Ca_Desig_Chr05	3087354	(G/T)
28385	CadSNP3980	<i>Desi</i>	Ca_Desig_Chr05	3103004	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28386	CadSNP3981	<i>Desi</i>	Ca_Desig_Chr05	3103106	(A/G)
28387	CadSNP3982	<i>Desi</i>	Ca_Desig_Chr05	3133747	(A/G)
28388	CadSNP3983	<i>Desi</i>	Ca_Desig_Chr05	3133716	(C/T)
28389	CadSNP3984	<i>Desi</i>	Ca_Desig_Chr05	3135617	(C/T)
28390	CadSNP3985	<i>Desi</i>	Ca_Desig_Chr05	3136174	(T/A)
28391	CadSNP3986	<i>Desi</i>	Ca_Desig_Chr05	3177288	(C/G)
28392	CadSNP3987	<i>Desi</i>	Ca_Desig_Chr05	3177299	(T/C)
28393	CadSNP3988	<i>Desi</i>	Ca_Desig_Chr05	3177374	(T/G)
28394	CadSNP3989	<i>Desi</i>	Ca_Desig_Chr05	3177521	(G/A)
28395	CadSNP3990	<i>Desi</i>	Ca_Desig_Chr05	3215569	(C/G)
28396	CadSNP3991	<i>Desi</i>	Ca_Desig_Chr05	3218799	(C/T)
28397	CadSNP3992	<i>Desi</i>	Ca_Desig_Chr05	3218980	(G/A)
28398	CadSNP3993	<i>Desi</i>	Ca_Desig_Chr05	3218969	(A/G)
28399	CadSNP3994	<i>Desi</i>	Ca_Desig_Chr05	3218961	(C/G)
28400	CadSNP3995	<i>Desi</i>	Ca_Desig_Chr05	3219053	(T/A)
28401	CadSNP3996	<i>Desi</i>	Ca_Desig_Chr05	3286108	(A/G)
28402	CadSNP3997	<i>Desi</i>	Ca_Desig_Chr05	3286087	(T/G)
28403	CadSNP3998	<i>Desi</i>	Ca_Desig_Chr05	3307425	(A/G)
28404	CadSNP3999	<i>Desi</i>	Ca_Desig_Chr05	3307438	(A/C)
28405	CadSNP4000	<i>Desi</i>	Ca_Desig_Chr05	3307697	(T/A)
28406	CadSNP4001	<i>Desi</i>	Ca_Desig_Chr05	3383253	(G/C)
28407	CadSNP4002	<i>Desi</i>	Ca_Desig_Chr05	3405281	(A/G)
28408	CadSNP4003	<i>Desi</i>	Ca_Desig_Chr05	3405696	(C/T)
28409	CadSNP4004	<i>Desi</i>	Ca_Desig_Chr05	3405715	(A/C)
28410	CadSNP4005	<i>Desi</i>	Ca_Desig_Chr05	3441995	(G/T)
28411	CadSNP4006	<i>Desi</i>	Ca_Desig_Chr05	3458647	(A/G)
28412	CadSNP4007	<i>Desi</i>	Ca_Desig_Chr05	3458676	(A/C)
28413	CadSNP4008	<i>Desi</i>	Ca_Desig_Chr05	3458703	(G/A)
28414	CadSNP4009	<i>Desi</i>	Ca_Desig_Chr05	3459872	(G/T)
28415	CadSNP4010	<i>Desi</i>	Ca_Desig_Chr05	3490298	(A/T)
28416	CadSNP4011	<i>Desi</i>	Ca_Desig_Chr05	3490315	(G/A)
28417	CadSNP4012	<i>Desi</i>	Ca_Desig_Chr05	3490365	(A/T)
28418	CadSNP4013	<i>Desi</i>	Ca_Desig_Chr05	3543908	(A/G)
28419	CadSNP4014	<i>Desi</i>	Ca_Desig_Chr05	3543906	(C/T)
28420	CadSNP4015	<i>Desi</i>	Ca_Desig_Chr05	3543903	(A/G)
28421	CadSNP4016	<i>Desi</i>	Ca_Desig_Chr05	3543900	(T/A)
28422	CadSNP4017	<i>Desi</i>	Ca_Desig_Chr05	3543897	(A/T)
28423	CadSNP4018	<i>Desi</i>	Ca_Desig_Chr05	3543894	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28424	CadSNP4019	<i>Desi</i>	Ca_Desig_Chr05	3543891	(T/G)
28425	CadSNP4020	<i>Desi</i>	Ca_Desig_Chr05	3543888	(G/T)
28426	CadSNP4021	<i>Desi</i>	Ca_Desig_Chr05	3543882	(A/G)
28427	CadSNP4022	<i>Desi</i>	Ca_Desig_Chr05	3543878	(A/G)
28428	CadSNP4023	<i>Desi</i>	Ca_Desig_Chr05	3543873	(T/A)
28429	CadSNP4024	<i>Desi</i>	Ca_Desig_Chr05	3543867	(G/A)
28430	CadSNP4025	<i>Desi</i>	Ca_Desig_Chr05	3543866	(T/C)
28431	CadSNP4026	<i>Desi</i>	Ca_Desig_Chr05	3543864	(G/A)
28432	CadSNP4027	<i>Desi</i>	Ca_Desig_Chr05	3543861	(A/C)
28433	CadSNP4028	<i>Desi</i>	Ca_Desig_Chr05	3543833	(G/C)
28434	CadSNP4029	<i>Desi</i>	Ca_Desig_Chr05	4387287	(C/T)
28435	CadSNP4030	<i>Desi</i>	Ca_Desig_Chr05	4413294	(G/A)
28436	CadSNP4031	<i>Desi</i>	Ca_Desig_Chr05	4413292	(C/A)
28437	CadSNP4032	<i>Desi</i>	Ca_Desig_Chr05	4413279	(C/G)
28438	CadSNP4033	<i>Desi</i>	Ca_Desig_Chr05	4413259	(T/A)
28439	CadSNP4034	<i>Desi</i>	Ca_Desig_Chr05	4413238	(G/A)
28440	CadSNP4035	<i>Desi</i>	Ca_Desig_Chr05	4431421	(T/C)
28441	CadSNP4036	<i>Desi</i>	Ca_Desig_Chr05	4435172	(C/T)
28442	CadSNP4037	<i>Desi</i>	Ca_Desig_Chr05	4447429	(G/C)
28443	CadSNP4038	<i>Desi</i>	Ca_Desig_Chr05	4514084	(A/G)
28444	CadSNP4039	<i>Desi</i>	Ca_Desig_Chr05	4519764	(A/C)
28445	CadSNP4040	<i>Desi</i>	Ca_Desig_Chr05	4553990	(G/A)
28446	CadSNP4041	<i>Desi</i>	Ca_Desig_Chr05	4554039	(A/C)
28447	CadSNP4042	<i>Desi</i>	Ca_Desig_Chr05	4563114	(A/G)
28448	CadSNP4043	<i>Desi</i>	Ca_Desig_Chr05	4563111	(G/A)
28449	CadSNP4044	<i>Desi</i>	Ca_Desig_Chr05	4597733	(G/A)
28450	CadSNP4045	<i>Desi</i>	Ca_Desig_Chr05	4640466	(A/G)
28451	CadSNP4046	<i>Desi</i>	Ca_Desig_Chr05	4684072	(A/C)
28452	CadSNP4047	<i>Desi</i>	Ca_Desig_Chr05	4752845	(T/C)
28453	CadSNP4048	<i>Desi</i>	Ca_Desig_Chr05	4755279	(G/A)
28454	CadSNP4049	<i>Desi</i>	Ca_Desig_Chr05	4755864	(T/C)
28455	CadSNP4050	<i>Desi</i>	Ca_Desig_Chr05	4779835	(C/T)
28456	CadSNP4051	<i>Desi</i>	Ca_Desig_Chr05	4779890	(G/C)
28457	CadSNP4052	<i>Desi</i>	Ca_Desig_Chr05	4779911	(A/C)
28458	CadSNP4053	<i>Desi</i>	Ca_Desig_Chr05	4779903	(G/A)
28459	CadSNP4054	<i>Desi</i>	Ca_Desig_Chr05	4779888	(T/C)
28460	CadSNP4055	<i>Desi</i>	Ca_Desig_Chr05	4837594	(C/A)
28461	CadSNP4056	<i>Desi</i>	Ca_Desig_Chr05	4837598	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28462	CadSNP4057	<i>Desi</i>	Ca_Desig_Chr05	4839754	(T/C)
28463	CadSNP4058	<i>Desi</i>	Ca_Desig_Chr05	4839745	(T/G)
28464	CadSNP4059	<i>Desi</i>	Ca_Desig_Chr05	4839820	(G/A)
28465	CadSNP4060	<i>Desi</i>	Ca_Desig_Chr05	4853779	(T/A)
28466	CadSNP4061	<i>Desi</i>	Ca_Desig_Chr05	4854181	(A/G)
28467	CadSNP4062	<i>Desi</i>	Ca_Desig_Chr05	4903471	(T/C)
28468	CadSNP4063	<i>Desi</i>	Ca_Desig_Chr05	4903474	(G/A)
28469	CadSNP4064	<i>Desi</i>	Ca_Desig_Chr05	4908534	(G/T)
28470	CadSNP4065	<i>Desi</i>	Ca_Desig_Chr05	4909333	(G/A)
28471	CadSNP4066	<i>Desi</i>	Ca_Desig_Chr05	4910019	(T/C)
28472	CadSNP4067	<i>Desi</i>	Ca_Desig_Chr05	4910040	(T/C)
28473	CadSNP4068	<i>Desi</i>	Ca_Desig_Chr05	4910643	(A/G)
28474	CadSNP4069	<i>Desi</i>	Ca_Desig_Chr05	4931957	(G/A)
28475	CadSNP4070	<i>Desi</i>	Ca_Desig_Chr05	4939754	(T/C)
28476	CadSNP4071	<i>Desi</i>	Ca_Desig_Chr05	5004707	(T/C)
28477	CadSNP4072	<i>Desi</i>	Ca_Desig_Chr05	5004767	(T/G)
28478	CadSNP4073	<i>Desi</i>	Ca_Desig_Chr05	5008396	(G/T)
28479	CadSNP4074	<i>Desi</i>	Ca_Desig_Chr05	5008373	(G/A)
28480	CadSNP4075	<i>Desi</i>	Ca_Desig_Chr05	5008340	(T/C)
28481	CadSNP4076	<i>Desi</i>	Ca_Desig_Chr05	5048604	(G/C)
28482	CadSNP4077	<i>Desi</i>	Ca_Desig_Chr05	5093226	(G/A)
28483	CadSNP4078	<i>Desi</i>	Ca_Desig_Chr05	5123315	(G/A)
28484	CadSNP4079	<i>Desi</i>	Ca_Desig_Chr05	5193039	(A/G)
28485	CadSNP4080	<i>Desi</i>	Ca_Desig_Chr05	5207791	(A/G)
28486	CadSNP4081	<i>Desi</i>	Ca_Desig_Chr05	5215313	(T/C)
28487	CadSNP4082	<i>Desi</i>	Ca_Desig_Chr05	5215341	(G/A)
28488	CadSNP4083	<i>Desi</i>	Ca_Desig_Chr05	5232897	(C/G)
28489	CadSNP4084	<i>Desi</i>	Ca_Desig_Chr05	5232900	(A/G)
28490	CadSNP4085	<i>Desi</i>	Ca_Desig_Chr05	5232903	(A/G)
28491	CadSNP4086	<i>Desi</i>	Ca_Desig_Chr05	5232912	(C/T)
28492	CadSNP4087	<i>Desi</i>	Ca_Desig_Chr05	5232915	(G/T)
28493	CadSNP4088	<i>Desi</i>	Ca_Desig_Chr05	5232930	(A/G)
28494	CadSNP4089	<i>Desi</i>	Ca_Desig_Chr05	5232931	(A/C)
28495	CadSNP4090	<i>Desi</i>	Ca_Desig_Chr05	5232934	(T/A)
28496	CadSNP4091	<i>Desi</i>	Ca_Desig_Chr05	5232935	(G/A)
28497	CadSNP4092	<i>Desi</i>	Ca_Desig_Chr05	5232942	(A/T)
28498	CadSNP4093	<i>Desi</i>	Ca_Desig_Chr05	5232963	(A/G)
28499	CadSNP4094	<i>Desi</i>	Ca_Desig_Chr05	5232978	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28500	CadSNP4095	<i>Desi</i>	Ca_Desig_Chr05	5232981	(C/A)
28501	CadSNP4096	<i>Desi</i>	Ca_Desig_Chr05	5307438	(T/A)
28502	CadSNP4097	<i>Desi</i>	Ca_Desig_Chr05	5307468	(T/A)
28503	CadSNP4098	<i>Desi</i>	Ca_Desig_Chr05	5328550	(G/A)
28504	CadSNP4099	<i>Desi</i>	Ca_Desig_Chr05	5351439	(C/A)
28505	CadSNP4100	<i>Desi</i>	Ca_Desig_Chr05	5354437	(A/C)
28506	CadSNP4101	<i>Desi</i>	Ca_Desig_Chr05	5354468	(T/C)
28507	CadSNP4102	<i>Desi</i>	Ca_Desig_Chr05	5354495	(T/C)
28508	CadSNP4103	<i>Desi</i>	Ca_Desig_Chr05	5354773	(A/C)
28509	CadSNP4104	<i>Desi</i>	Ca_Desig_Chr05	5361293	(G/A)
28510	CadSNP4105	<i>Desi</i>	Ca_Desig_Chr05	5361353	(A/G)
28511	CadSNP4106	<i>Desi</i>	Ca_Desig_Chr05	5361424	(A/G)
28512	CadSNP4107	<i>Desi</i>	Ca_Desig_Chr05	5361490	(C/T)
28513	CadSNP4108	<i>Desi</i>	Ca_Desig_Chr05	5361491	(T/G)
28514	CadSNP4109	<i>Desi</i>	Ca_Desig_Chr05	5361596	(C/T)
28515	CadSNP4110	<i>Desi</i>	Ca_Desig_Chr05	5361693	(C/A)
28516	CadSNP4111	<i>Desi</i>	Ca_Desig_Chr05	5385508	(A/C)
28517	CadSNP4112	<i>Desi</i>	Ca_Desig_Chr05	5385490	(A/C)
28518	CadSNP4113	<i>Desi</i>	Ca_Desig_Chr05	5422848	(G/A)
28519	CadSNP4114	<i>Desi</i>	Ca_Desig_Chr05	5422843	(T/C)
28520	CadSNP4115	<i>Desi</i>	Ca_Desig_Chr05	5422841	(T/A)
28521	CadSNP4116	<i>Desi</i>	Ca_Desig_Chr05	5437679	(A/G)
28522	CadSNP4117	<i>Desi</i>	Ca_Desig_Chr05	5443683	(T/C)
28523	CadSNP4118	<i>Desi</i>	Ca_Desig_Chr05	5465477	(A/G)
28524	CadSNP4119	<i>Desi</i>	Ca_Desig_Chr05	5489922	(G/A)
28525	CadSNP4120	<i>Desi</i>	Ca_Desig_Chr05	5492130	(A/C)
28526	CadSNP4121	<i>Desi</i>	Ca_Desig_Chr05	5495953	(T/A)
28527	CadSNP4122	<i>Desi</i>	Ca_Desig_Chr05	5495937	(C/A)
28528	CadSNP4123	<i>Desi</i>	Ca_Desig_Chr05	5508852	(C/T)
28529	CadSNP4124	<i>Desi</i>	Ca_Desig_Chr05	5508830	(C/T)
28530	CadSNP4125	<i>Desi</i>	Ca_Desig_Chr05	5536470	(T/A)
28531	CadSNP4126	<i>Desi</i>	Ca_Desig_Chr05	5536479	(T/A)
28532	CadSNP4127	<i>Desi</i>	Ca_Desig_Chr05	5536523	(T/C)
28533	CadSNP4128	<i>Desi</i>	Ca_Desig_Chr05	5556155	(G/A)
28534	CadSNP4129	<i>Desi</i>	Ca_Desig_Chr05	5617835	(T/C)
28535	CadSNP4130	<i>Desi</i>	Ca_Desig_Chr05	5624268	(A/T)
28536	CadSNP4131	<i>Desi</i>	Ca_Desig_Chr05	5650365	(C/T)
28537	CadSNP4132	<i>Desi</i>	Ca_Desig_Chr05	5650591	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28538	CadSNP4133	<i>Desi</i>	Ca_Desig_Chr05	5656147	(G/A)
28539	CadSNP4134	<i>Desi</i>	Ca_Desig_Chr05	5697397	(A/G)
28540	CadSNP4135	<i>Desi</i>	Ca_Desig_Chr05	5697411	(G/T)
28541	CadSNP4136	<i>Desi</i>	Ca_Desig_Chr05	5700721	(G/T)
28542	CadSNP4137	<i>Desi</i>	Ca_Desig_Chr05	5738519	(G/T)
28543	CadSNP4138	<i>Desi</i>	Ca_Desig_Chr05	5752245	(G/A)
28544	CadSNP4139	<i>Desi</i>	Ca_Desig_Chr05	5775498	(G/A)
28545	CadSNP4140	<i>Desi</i>	Ca_Desig_Chr05	5775559	(G/A)
28546	CadSNP4141	<i>Desi</i>	Ca_Desig_Chr05	5775556	(G/A)
28547	CadSNP4142	<i>Desi</i>	Ca_Desig_Chr05	5775568	(A/T)
28548	CadSNP4143	<i>Desi</i>	Ca_Desig_Chr05	5775606	(A/T)
28549	CadSNP4144	<i>Desi</i>	Ca_Desig_Chr05	5775651	(C/G)
28550	CadSNP4145	<i>Desi</i>	Ca_Desig_Chr05	5775685	(C/T)
28551	CadSNP4146	<i>Desi</i>	Ca_Desig_Chr05	5775672	(A/G)
28552	CadSNP4147	<i>Desi</i>	Ca_Desig_Chr05	5797285	(G/A)
28553	CadSNP4148	<i>Desi</i>	Ca_Desig_Chr05	5797408	(T/C)
28554	CadSNP4149	<i>Desi</i>	Ca_Desig_Chr05	5821471	(G/A)
28555	CadSNP4150	<i>Desi</i>	Ca_Desig_Chr05	5864400	(T/A)
28556	CadSNP4151	<i>Desi</i>	Ca_Desig_Chr05	5864394	(C/G)
28557	CadSNP4152	<i>Desi</i>	Ca_Desig_Chr05	5973619	(C/T)
28558	CadSNP4153	<i>Desi</i>	Ca_Desig_Chr05	5973618	(C/T)
28559	CadSNP4154	<i>Desi</i>	Ca_Desig_Chr05	5973615	(C/T)
28560	CadSNP4155	<i>Desi</i>	Ca_Desig_Chr05	5973605	(A/T)
28561	CadSNP4156	<i>Desi</i>	Ca_Desig_Chr05	5973601	(C/T)
28562	CadSNP4157	<i>Desi</i>	Ca_Desig_Chr05	5973587	(G/A)
28563	CadSNP4158	<i>Desi</i>	Ca_Desig_Chr05	5973566	(A/G)
28564	CadSNP4159	<i>Desi</i>	Ca_Desig_Chr05	5973564	(A/G)
28565	CadSNP4160	<i>Desi</i>	Ca_Desig_Chr05	5973542	(T/G)
28566	CadSNP4161	<i>Desi</i>	Ca_Desig_Chr05	5973628	(C/A)
28567	CadSNP4162	<i>Desi</i>	Ca_Desig_Chr05	5976545	(T/A)
28568	CadSNP4163	<i>Desi</i>	Ca_Desig_Chr05	5976534	(T/G)
28569	CadSNP4164	<i>Desi</i>	Ca_Desig_Chr05	5986099	(A/G)
28570	CadSNP4165	<i>Desi</i>	Ca_Desig_Chr05	5986239	(A/G)
28571	CadSNP4166	<i>Desi</i>	Ca_Desig_Chr05	5999535	(A/C)
28572	CadSNP4167	<i>Desi</i>	Ca_Desig_Chr05	5999539	(G/C)
28573	CadSNP4168	<i>Desi</i>	Ca_Desig_Chr05	6011223	(T/G)
28574	CadSNP4169	<i>Desi</i>	Ca_Desig_Chr05	6011254	(G/A)
28575	CadSNP4170	<i>Desi</i>	Ca_Desig_Chr05	6011384	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28576	CadSNP4171	<i>Desi</i>	Ca_Desig_Chr05	6013724	(G/C)
28577	CadSNP4172	<i>Desi</i>	Ca_Desig_Chr05	6016203	(A/G)
28578	CadSNP4173	<i>Desi</i>	Ca_Desig_Chr05	6017691	(A/T)
28579	CadSNP4174	<i>Desi</i>	Ca_Desig_Chr05	6017697	(G/A)
28580	CadSNP4175	<i>Desi</i>	Ca_Desig_Chr05	6088929	(A/C)
28581	CadSNP4176	<i>Desi</i>	Ca_Desig_Chr05	6268417	(A/C)
28582	CadSNP4177	<i>Desi</i>	Ca_Desig_Chr05	6270240	(C/T)
28583	CadSNP4178	<i>Desi</i>	Ca_Desig_Chr05	6320255	(T/C)
28584	CadSNP4179	<i>Desi</i>	Ca_Desig_Chr05	6320247	(G/C)
28585	CadSNP4180	<i>Desi</i>	Ca_Desig_Chr05	6374216	(T/C)
28586	CadSNP4181	<i>Desi</i>	Ca_Desig_Chr05	6376547	(T/C)
28587	CadSNP4182	<i>Desi</i>	Ca_Desig_Chr05	6376546	(A/T)
28588	CadSNP4183	<i>Desi</i>	Ca_Desig_Chr05	6376597	(G/A)
28589	CadSNP4184	<i>Desi</i>	Ca_Desig_Chr05	6376604	(A/G)
28590	CadSNP4185	<i>Desi</i>	Ca_Desig_Chr05	6376673	(C/T)
28591	CadSNP4186	<i>Desi</i>	Ca_Desig_Chr05	6381857	(G/A)
28592	CadSNP4187	<i>Desi</i>	Ca_Desig_Chr05	6381846	(G/C)
28593	CadSNP4188	<i>Desi</i>	Ca_Desig_Chr05	6383655	(T/G)
28594	CadSNP4189	<i>Desi</i>	Ca_Desig_Chr05	6416735	(C/T)
28595	CadSNP4190	<i>Desi</i>	Ca_Desig_Chr05	6435244	(C/A)
28596	CadSNP4191	<i>Desi</i>	Ca_Desig_Chr05	6435202	(G/A)
28597	CadSNP4192	<i>Desi</i>	Ca_Desig_Chr05	6458466	(G/A)
28598	CadSNP4193	<i>Desi</i>	Ca_Desig_Chr05	6547189	(G/A)
28599	CadSNP4194	<i>Desi</i>	Ca_Desig_Chr05	6565008	(A/C)
28600	CadSNP4195	<i>Desi</i>	Ca_Desig_Chr05	6621677	(G/A)
28601	CadSNP4196	<i>Desi</i>	Ca_Desig_Chr05	6700049	(C/T)
28602	CadSNP4197	<i>Desi</i>	Ca_Desig_Chr05	6730545	(T/A)
28603	CadSNP4198	<i>Desi</i>	Ca_Desig_Chr05	6730657	(T/C)
28604	CadSNP4199	<i>Desi</i>	Ca_Desig_Chr05	6810990	(C/A)
28605	CadSNP4200	<i>Desi</i>	Ca_Desig_Chr05	6834908	(G/A)
28606	CadSNP4201	<i>Desi</i>	Ca_Desig_Chr05	6842650	(C/A)
28607	CadSNP4202	<i>Desi</i>	Ca_Desig_Chr05	6842664	(T/C)
28608	CadSNP4203	<i>Desi</i>	Ca_Desig_Chr05	6842704	(A/G)
28609	CadSNP4204	<i>Desi</i>	Ca_Desig_Chr05	6842804	(G/A)
28610	CadSNP4205	<i>Desi</i>	Ca_Desig_Chr05	6842761	(C/T)
28611	CadSNP4206	<i>Desi</i>	Ca_Desig_Chr05	6885320	(A/T)
28612	CadSNP4207	<i>Desi</i>	Ca_Desig_Chr05	6885390	(A/G)
28613	CadSNP4208	<i>Desi</i>	Ca_Desig_Chr05	6900820	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28614	CadSNP4209	<i>Desi</i>	Ca_Desig_Chr05	6900875	(A/G)
28615	CadSNP4210	<i>Desi</i>	Ca_Desig_Chr05	6902546	(G/A)
28616	CadSNP4211	<i>Desi</i>	Ca_Desig_Chr05	6910773	(G/T)
28617	CadSNP4212	<i>Desi</i>	Ca_Desig_Chr05	6930653	(A/G)
28618	CadSNP4213	<i>Desi</i>	Ca_Desig_Chr05	6930799	(A/G)
28619	CadSNP4214	<i>Desi</i>	Ca_Desig_Chr05	6930890	(G/A)
28620	CadSNP4215	<i>Desi</i>	Ca_Desig_Chr05	6930891	(C/T)
28621	CadSNP4216	<i>Desi</i>	Ca_Desig_Chr05	6938351	(G/A)
28622	CadSNP4217	<i>Desi</i>	Ca_Desig_Chr05	6938808	(G/C)
28623	CadSNP4218	<i>Desi</i>	Ca_Desig_Chr05	6938967	(G/A)
28624	CadSNP4219	<i>Desi</i>	Ca_Desig_Chr05	6939010	(T/C)
28625	CadSNP4220	<i>Desi</i>	Ca_Desig_Chr05	6942511	(A/C)
28626	CadSNP4221	<i>Desi</i>	Ca_Desig_Chr05	6949136	(G/T)
28627	CadSNP4222	<i>Desi</i>	Ca_Desig_Chr05	6949110	(T/C)
28628	CadSNP4223	<i>Desi</i>	Ca_Desig_Chr05	6950713	(C/G)
28629	CadSNP4224	<i>Desi</i>	Ca_Desig_Chr05	6951289	(A/C)
28630	CadSNP4225	<i>Desi</i>	Ca_Desig_Chr05	6976313	(T/C)
28631	CadSNP4226	<i>Desi</i>	Ca_Desig_Chr05	6991209	(T/C)
28632	CadSNP4227	<i>Desi</i>	Ca_Desig_Chr05	6991200	(T/C)
28633	CadSNP4228	<i>Desi</i>	Ca_Desig_Chr05	7003223	(C/T)
28634	CadSNP4229	<i>Desi</i>	Ca_Desig_Chr05	7035127	(C/T)
28635	CadSNP4230	<i>Desi</i>	Ca_Desig_Chr05	7036652	(T/C)
28636	CadSNP4231	<i>Desi</i>	Ca_Desig_Chr05	7052493	(A/C)
28637	CadSNP4232	<i>Desi</i>	Ca_Desig_Chr05	7052494	(G/T)
28638	CadSNP4233	<i>Desi</i>	Ca_Desig_Chr05	7062009	(C/A)
28639	CadSNP4234	<i>Desi</i>	Ca_Desig_Chr05	7064434	(T/C)
28640	CadSNP4235	<i>Desi</i>	Ca_Desig_Chr05	7064373	(A/G)
28641	CadSNP4236	<i>Desi</i>	Ca_Desig_Chr05	7064529	(A/G)
28642	CadSNP4237	<i>Desi</i>	Ca_Desig_Chr05	7064622	(C/G)
28643	CadSNP4238	<i>Desi</i>	Ca_Desig_Chr05	7064839	(T/G)
28644	CadSNP4239	<i>Desi</i>	Ca_Desig_Chr05	7116373	(A/G)
28645	CadSNP4240	<i>Desi</i>	Ca_Desig_Chr05	7119938	(C/A)
28646	CadSNP4241	<i>Desi</i>	Ca_Desig_Chr05	7140443	(A/G)
28647	CadSNP4242	<i>Desi</i>	Ca_Desig_Chr05	7170598	(C/A)
28648	CadSNP4243	<i>Desi</i>	Ca_Desig_Chr05	7170758	(A/G)
28649	CadSNP4244	<i>Desi</i>	Ca_Desig_Chr05	7190970	(C/T)
28650	CadSNP4245	<i>Desi</i>	Ca_Desig_Chr05	7266594	(T/G)
28651	CadSNP4246	<i>Desi</i>	Ca_Desig_Chr05	7298869	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28652	CadSNP4247	<i>Desi</i>	Ca_Desig_Chr05	7299017	(C/T)
28653	CadSNP4248	<i>Desi</i>	Ca_Desig_Chr05	7311838	(C/T)
28654	CadSNP4249	<i>Desi</i>	Ca_Desig_Chr05	7357338	(G/A)
28655	CadSNP4250	<i>Desi</i>	Ca_Desig_Chr05	7521948	(C/T)
28656	CadSNP4251	<i>Desi</i>	Ca_Desig_Chr05	7569517	(G/A)
28657	CadSNP4252	<i>Desi</i>	Ca_Desig_Chr05	7585897	(C/T)
28658	CadSNP4253	<i>Desi</i>	Ca_Desig_Chr05	7585899	(A/G)
28659	CadSNP4254	<i>Desi</i>	Ca_Desig_Chr05	7623578	(G/C)
28660	CadSNP4255	<i>Desi</i>	Ca_Desig_Chr05	7628965	(C/T)
28661	CadSNP4256	<i>Desi</i>	Ca_Desig_Chr05	7637555	(A/C)
28662	CadSNP4257	<i>Desi</i>	Ca_Desig_Chr05	7637572	(A/G)
28663	CadSNP4258	<i>Desi</i>	Ca_Desig_Chr05	7646663	(C/T)
28664	CadSNP4259	<i>Desi</i>	Ca_Desig_Chr05	7648423	(C/T)
28665	CadSNP4260	<i>Desi</i>	Ca_Desig_Chr05	7648443	(C/T)
28666	CadSNP4261	<i>Desi</i>	Ca_Desig_Chr05	7648641	(T/C)
28667	CadSNP4262	<i>Desi</i>	Ca_Desig_Chr05	7681731	(A/G)
28668	CadSNP4263	<i>Desi</i>	Ca_Desig_Chr05	7681739	(A/G)
28669	CadSNP4264	<i>Desi</i>	Ca_Desig_Chr05	7681810	(A/T)
28670	CadSNP4265	<i>Desi</i>	Ca_Desig_Chr05	7694876	(C/T)
28671	CadSNP4266	<i>Desi</i>	Ca_Desig_Chr05	7699256	(T/G)
28672	CadSNP4267	<i>Desi</i>	Ca_Desig_Chr05	7699357	(A/C)
28673	CadSNP4268	<i>Desi</i>	Ca_Desig_Chr05	7716848	(T/C)
28674	CadSNP4269	<i>Desi</i>	Ca_Desig_Chr05	7716984	(A/T)
28675	CadSNP4270	<i>Desi</i>	Ca_Desig_Chr05	7768602	(C/T)
28676	CadSNP4271	<i>Desi</i>	Ca_Desig_Chr05	7769108	(A/G)
28677	CadSNP4272	<i>Desi</i>	Ca_Desig_Chr05	7803599	(T/A)
28678	CadSNP4273	<i>Desi</i>	Ca_Desig_Chr05	7806843	(G/A)
28679	CadSNP4274	<i>Desi</i>	Ca_Desig_Chr05	7827695	(C/T)
28680	CadSNP4275	<i>Desi</i>	Ca_Desig_Chr05	7835487	(T/C)
28681	CadSNP4276	<i>Desi</i>	Ca_Desig_Chr05	7835484	(G/C)
28682	CadSNP4277	<i>Desi</i>	Ca_Desig_Chr05	7835498	(A/C)
28683	CadSNP4278	<i>Desi</i>	Ca_Desig_Chr05	7873295	(G/A)
28684	CadSNP4279	<i>Desi</i>	Ca_Desig_Chr05	7873304	(A/T)
28685	CadSNP4280	<i>Desi</i>	Ca_Desig_Chr05	7873361	(T/G)
28686	CadSNP4281	<i>Desi</i>	Ca_Desig_Chr05	7873372	(A/G)
28687	CadSNP4282	<i>Desi</i>	Ca_Desig_Chr05	7918557	(G/A)
28688	CadSNP4283	<i>Desi</i>	Ca_Desig_Chr05	7932467	(T/G)
28689	CadSNP4284	<i>Desi</i>	Ca_Desig_Chr05	7932496	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28690	CadSNP4285	<i>Desi</i>	Ca_Desig_Chr05	7952485	(T/C)
28691	CadSNP4286	<i>Desi</i>	Ca_Desig_Chr05	7953772	(G/A)
28692	CadSNP4287	<i>Desi</i>	Ca_Desig_Chr05	7953755	(C/T)
28693	CadSNP4288	<i>Desi</i>	Ca_Desig_Chr05	7962814	(T/C)
28694	CadSNP4289	<i>Desi</i>	Ca_Desig_Chr05	7972155	(T/C)
28695	CadSNP4290	<i>Desi</i>	Ca_Desig_Chr05	7972200	(C/T)
28696	CadSNP4291	<i>Desi</i>	Ca_Desig_Chr05	7995427	(C/A)
28697	CadSNP4292	<i>Desi</i>	Ca_Desig_Chr05	8017612	(T/C)
28698	CadSNP4293	<i>Desi</i>	Ca_Desig_Chr05	8077674	(T/C)
28699	CadSNP4294	<i>Desi</i>	Ca_Desig_Chr05	8083918	(A/C)
28700	CadSNP4295	<i>Desi</i>	Ca_Desig_Chr05	8145675	(C/T)
28701	CadSNP4296	<i>Desi</i>	Ca_Desig_Chr05	8153778	(T/C)
28702	CadSNP4297	<i>Desi</i>	Ca_Desig_Chr05	8153773	(G/T)
28703	CadSNP4298	<i>Desi</i>	Ca_Desig_Chr05	8153769	(G/A)
28704	CadSNP4299	<i>Desi</i>	Ca_Desig_Chr05	8153763	(T/A)
28705	CadSNP4300	<i>Desi</i>	Ca_Desig_Chr05	8153755	(G/A)
28706	CadSNP4301	<i>Desi</i>	Ca_Desig_Chr05	8153754	(T/A)
28707	CadSNP4302	<i>Desi</i>	Ca_Desig_Chr05	8153723	(T/C)
28708	CadSNP4303	<i>Desi</i>	Ca_Desig_Chr05	8153718	(G/A)
28709	CadSNP4304	<i>Desi</i>	Ca_Desig_Chr05	8153714	(C/A)
28710	CadSNP4305	<i>Desi</i>	Ca_Desig_Chr05	8168083	(G/C)
28711	CadSNP4306	<i>Desi</i>	Ca_Desig_Chr05	8266563	(A/T)
28712	CadSNP4307	<i>Desi</i>	Ca_Desig_Chr05	8266578	(G/A)
28713	CadSNP4308	<i>Desi</i>	Ca_Desig_Chr05	8266619	(T/C)
28714	CadSNP4309	<i>Desi</i>	Ca_Desig_Chr05	8266640	(G/A)
28715	CadSNP4310	<i>Desi</i>	Ca_Desig_Chr05	8268349	(A/G)
28716	CadSNP4311	<i>Desi</i>	Ca_Desig_Chr05	8275355	(C/T)
28717	CadSNP4312	<i>Desi</i>	Ca_Desig_Chr05	8321845	(T/C)
28718	CadSNP4313	<i>Desi</i>	Ca_Desig_Chr05	8388870	(C/A)
28719	CadSNP4314	<i>Desi</i>	Ca_Desig_Chr05	8388902	(C/G)
28720	CadSNP4315	<i>Desi</i>	Ca_Desig_Chr05	8388970	(T/A)
28721	CadSNP4316	<i>Desi</i>	Ca_Desig_Chr05	8389021	(A/G)
28722	CadSNP4317	<i>Desi</i>	Ca_Desig_Chr05	8388998	(C/T)
28723	CadSNP4318	<i>Desi</i>	Ca_Desig_Chr05	8389102	(G/T)
28724	CadSNP4319	<i>Desi</i>	Ca_Desig_Chr05	8389129	(A/G)
28725	CadSNP4320	<i>Desi</i>	Ca_Desig_Chr05	8466711	(T/G)
28726	CadSNP4321	<i>Desi</i>	Ca_Desig_Chr05	8466714	(A/T)
28727	CadSNP4322	<i>Desi</i>	Ca_Desig_Chr05	8466718	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28728	CadSNP4323	<i>Desi</i>	Ca_Desig_Chr05	8466743	(A/G)
28729	CadSNP4324	<i>Desi</i>	Ca_Desig_Chr05	8498887	(C/T)
28730	CadSNP4325	<i>Desi</i>	Ca_Desig_Chr05	8498895	(G/A)
28731	CadSNP4326	<i>Desi</i>	Ca_Desig_Chr05	8511511	(A/G)
28732	CadSNP4327	<i>Desi</i>	Ca_Desig_Chr05	8512193	(A/G)
28733	CadSNP4328	<i>Desi</i>	Ca_Desig_Chr05	8515496	(A/C)
28734	CadSNP4329	<i>Desi</i>	Ca_Desig_Chr05	8542154	(A/G)
28735	CadSNP4330	<i>Desi</i>	Ca_Desig_Chr05	8545146	(C/G)
28736	CadSNP4331	<i>Desi</i>	Ca_Desig_Chr05	8545379	(G/A)
28737	CadSNP4332	<i>Desi</i>	Ca_Desig_Chr05	8569521	(G/C)
28738	CadSNP4333	<i>Desi</i>	Ca_Desig_Chr05	8569522	(G/A)
28739	CadSNP4334	<i>Desi</i>	Ca_Desig_Chr05	8569620	(T/G)
28740	CadSNP4335	<i>Desi</i>	Ca_Desig_Chr05	8586426	(G/C)
28741	CadSNP4336	<i>Desi</i>	Ca_Desig_Chr05	8608191	(C/T)
28742	CadSNP4337	<i>Desi</i>	Ca_Desig_Chr05	8608174	(G/A)
28743	CadSNP4338	<i>Desi</i>	Ca_Desig_Chr05	8627423	(C/T)
28744	CadSNP4339	<i>Desi</i>	Ca_Desig_Chr05	8653433	(A/G)
28745	CadSNP4340	<i>Desi</i>	Ca_Desig_Chr05	8654014	(A/T)
28746	CadSNP4341	<i>Desi</i>	Ca_Desig_Chr05	8680914	(T/C)
28747	CadSNP4342	<i>Desi</i>	Ca_Desig_Chr05	8681026	(G/A)
28748	CadSNP4343	<i>Desi</i>	Ca_Desig_Chr05	8687007	(G/A)
28749	CadSNP4344	<i>Desi</i>	Ca_Desig_Chr05	8687067	(T/G)
28750	CadSNP4345	<i>Desi</i>	Ca_Desig_Chr05	8687138	(T/G)
28751	CadSNP4346	<i>Desi</i>	Ca_Desig_Chr05	8728704	(G/A)
28752	CadSNP4347	<i>Desi</i>	Ca_Desig_Chr05	8728764	(A/G)
28753	CadSNP4348	<i>Desi</i>	Ca_Desig_Chr05	8739003	(A/C)
28754	CadSNP4349	<i>Desi</i>	Ca_Desig_Chr05	8763926	(C/T)
28755	CadSNP4350	<i>Desi</i>	Ca_Desig_Chr05	8785023	(T/C)
28756	CadSNP4351	<i>Desi</i>	Ca_Desig_Chr05	8785100	(G/A)
28757	CadSNP4352	<i>Desi</i>	Ca_Desig_Chr05	8835288	(G/A)
28758	CadSNP4353	<i>Desi</i>	Ca_Desig_Chr05	8841701	(G/A)
28759	CadSNP4354	<i>Desi</i>	Ca_Desig_Chr05	8842551	(A/G)
28760	CadSNP4355	<i>Desi</i>	Ca_Desig_Chr05	8862976	(C/T)
28761	CadSNP4356	<i>Desi</i>	Ca_Desig_Chr05	8868663	(C/A)
28762	CadSNP4357	<i>Desi</i>	Ca_Desig_Chr05	8868701	(A/G)
28763	CadSNP4358	<i>Desi</i>	Ca_Desig_Chr05	8868969	(T/C)
28764	CadSNP4359	<i>Desi</i>	Ca_Desig_Chr05	8868976	(C/T)
28765	CadSNP4360	<i>Desi</i>	Ca_Desig_Chr05	8896573	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28766	CadSNP4361	<i>Desi</i>	Ca_Desig_Chr05	8906406	(G/T)
28767	CadSNP4362	<i>Desi</i>	Ca_Desig_Chr05	8908414	(G/T)
28768	CadSNP4363	<i>Desi</i>	Ca_Desig_Chr05	8916304	(G/T)
28769	CadSNP4364	<i>Desi</i>	Ca_Desig_Chr05	8916340	(A/C)
28770	CadSNP4365	<i>Desi</i>	Ca_Desig_Chr05	8944922	(G/T)
28771	CadSNP4366	<i>Desi</i>	Ca_Desig_Chr05	8963777	(C/G)
28772	CadSNP4367	<i>Desi</i>	Ca_Desig_Chr05	8963858	(A/T)
28773	CadSNP4368	<i>Desi</i>	Ca_Desig_Chr05	8987037	(A/T)
28774	CadSNP4369	<i>Desi</i>	Ca_Desig_Chr05	8987077	(G/T)
28775	CadSNP4370	<i>Desi</i>	Ca_Desig_Chr05	9033815	(C/G)
28776	CadSNP4371	<i>Desi</i>	Ca_Desig_Chr05	9065241	(A/C)
28777	CadSNP4372	<i>Desi</i>	Ca_Desig_Chr05	9159813	(G/A)
28778	CadSNP4373	<i>Desi</i>	Ca_Desig_Chr05	9159917	(C/T)
28779	CadSNP4374	<i>Desi</i>	Ca_Desig_Chr05	9207462	(T/C)
28780	CadSNP4375	<i>Desi</i>	Ca_Desig_Chr05	9326953	(C/T)
28781	CadSNP4376	<i>Desi</i>	Ca_Desig_Chr05	9404602	(T/G)
28782	CadSNP4377	<i>Desi</i>	Ca_Desig_Chr05	9438311	(T/A)
28783	CadSNP4378	<i>Desi</i>	Ca_Desig_Chr05	9438767	(C/T)
28784	CadSNP4379	<i>Desi</i>	Ca_Desig_Chr05	9438794	(T/C)
28785	CadSNP4380	<i>Desi</i>	Ca_Desig_Chr05	9517814	(C/A)
28786	CadSNP4381	<i>Desi</i>	Ca_Desig_Chr05	9517930	(T/G)
28787	CadSNP4382	<i>Desi</i>	Ca_Desig_Chr05	9517914	(C/T)
28788	CadSNP4383	<i>Desi</i>	Ca_Desig_Chr05	9517883	(C/A)
28789	CadSNP4384	<i>Desi</i>	Ca_Desig_Chr05	9527896	(G/A)
28790	CadSNP4385	<i>Desi</i>	Ca_Desig_Chr05	9550464	(T/G)
28791	CadSNP4386	<i>Desi</i>	Ca_Desig_Chr05	9550503	(C/G)
28792	CadSNP4387	<i>Desi</i>	Ca_Desig_Chr05	9550525	(A/T)
28793	CadSNP4388	<i>Desi</i>	Ca_Desig_Chr05	9559908	(A/C)
28794	CadSNP4389	<i>Desi</i>	Ca_Desig_Chr05	9562549	(A/C)
28795	CadSNP4390	<i>Desi</i>	Ca_Desig_Chr05	9564908	(A/G)
28796	CadSNP4391	<i>Desi</i>	Ca_Desig_Chr05	9564965	(T/G)
28797	CadSNP4392	<i>Desi</i>	Ca_Desig_Chr05	9665417	(A/G)
28798	CadSNP4393	<i>Desi</i>	Ca_Desig_Chr05	9666151	(A/C)
28799	CadSNP4394	<i>Desi</i>	Ca_Desig_Chr05	9724582	(C/T)
28800	CadSNP4395	<i>Desi</i>	Ca_Desig_Chr05	9724592	(T/G)
28801	CadSNP4396	<i>Desi</i>	Ca_Desig_Chr05	9772943	(T/G)
28802	CadSNP4397	<i>Desi</i>	Ca_Desig_Chr05	9806400	(C/G)
28803	CadSNP4398	<i>Desi</i>	Ca_Desig_Chr05	9806433	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28804	CadSNP4399	<i>Desi</i>	Ca_Desig_Chr05	9872784	(C/T)
28805	CadSNP4400	<i>Desi</i>	Ca_Desig_Chr05	9872994	(G/A)
28806	CadSNP4401	<i>Desi</i>	Ca_Desig_Chr05	9872975	(A/C)
28807	CadSNP4402	<i>Desi</i>	Ca_Desig_Chr05	9881691	(C/G)
28808	CadSNP4403	<i>Desi</i>	Ca_Desig_Chr05	9895829	(A/G)
28809	CadSNP4404	<i>Desi</i>	Ca_Desig_Chr05	9907037	(A/G)
28810	CadSNP4405	<i>Desi</i>	Ca_Desig_Chr05	9907155	(C/T)
28811	CadSNP4406	<i>Desi</i>	Ca_Desig_Chr05	9910607	(G/T)
28812	CadSNP4407	<i>Desi</i>	Ca_Desig_Chr05	9910856	(G/T)
28813	CadSNP4408	<i>Desi</i>	Ca_Desig_Chr05	9946953	(T/G)
28814	CadSNP4409	<i>Desi</i>	Ca_Desig_Chr05	9967382	(C/T)
28815	CadSNP4410	<i>Desi</i>	Ca_Desig_Chr05	10006457	(G/A)
28816	CadSNP4411	<i>Desi</i>	Ca_Desig_Chr05	10027300	(C/A)
28817	CadSNP4412	<i>Desi</i>	Ca_Desig_Chr05	10070454	(A/G)
28818	CadSNP4413	<i>Desi</i>	Ca_Desig_Chr05	10070571	(G/A)
28819	CadSNP4414	<i>Desi</i>	Ca_Desig_Chr05	10105119	(C/A)
28820	CadSNP4415	<i>Desi</i>	Ca_Desig_Chr05	10109010	(A/G)
28821	CadSNP4416	<i>Desi</i>	Ca_Desig_Chr05	10111955	(G/A)
28822	CadSNP4417	<i>Desi</i>	Ca_Desig_Chr05	10111964	(G/A)
28823	CadSNP4418	<i>Desi</i>	Ca_Desig_Chr05	10123161	(T/C)
28824	CadSNP4419	<i>Desi</i>	Ca_Desig_Chr05	10544287	(A/G)
28825	CadSNP4420	<i>Desi</i>	Ca_Desig_Chr05	10544344	(C/T)
28826	CadSNP4421	<i>Desi</i>	Ca_Desig_Chr05	10544279	(G/A)
28827	CadSNP4422	<i>Desi</i>	Ca_Desig_Chr05	10572565	(T/C)
28828	CadSNP4423	<i>Desi</i>	Ca_Desig_Chr05	10647257	(A/T)
28829	CadSNP4424	<i>Desi</i>	Ca_Desig_Chr05	10664470	(A/C)
28830	CadSNP4425	<i>Desi</i>	Ca_Desig_Chr05	10700655	(G/T)
28831	CadSNP4426	<i>Desi</i>	Ca_Desig_Chr05	10700652	(T/A)
28832	CadSNP4427	<i>Desi</i>	Ca_Desig_Chr05	10700640	(T/A)
28833	CadSNP4428	<i>Desi</i>	Ca_Desig_Chr05	10700619	(T/C)
28834	CadSNP4429	<i>Desi</i>	Ca_Desig_Chr05	10700610	(C/T)
28835	CadSNP4430	<i>Desi</i>	Ca_Desig_Chr05	10700604	(T/G)
28836	CadSNP4431	<i>Desi</i>	Ca_Desig_Chr05	10700603	(G/T)
28837	CadSNP4432	<i>Desi</i>	Ca_Desig_Chr05	10700592	(T/A)
28838	CadSNP4433	<i>Desi</i>	Ca_Desig_Chr05	10700591	(A/T)
28839	CadSNP4434	<i>Desi</i>	Ca_Desig_Chr05	10700586	(T/C)
28840	CadSNP4435	<i>Desi</i>	Ca_Desig_Chr05	10700576	(A/C)
28841	CadSNP4436	<i>Desi</i>	Ca_Desig_Chr05	10737715	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28842	CadSNP4437	<i>Desi</i>	Ca_Desig_Chr05	10744244	(C/A)
28843	CadSNP4438	<i>Desi</i>	Ca_Desig_Chr05	10763307	(A/T)
28844	CadSNP4439	<i>Desi</i>	Ca_Desig_Chr05	10763840	(T/C)
28845	CadSNP4440	<i>Desi</i>	Ca_Desig_Chr05	10793547	(C/T)
28846	CadSNP4441	<i>Desi</i>	Ca_Desig_Chr05	10793613	(G/C)
28847	CadSNP4442	<i>Desi</i>	Ca_Desig_Chr05	10793669	(T/C)
28848	CadSNP4443	<i>Desi</i>	Ca_Desig_Chr05	10853035	(C/T)
28849	CadSNP4444	<i>Desi</i>	Ca_Desig_Chr05	10864037	(T/A)
28850	CadSNP4445	<i>Desi</i>	Ca_Desig_Chr05	10898342	(A/G)
28851	CadSNP4446	<i>Desi</i>	Ca_Desig_Chr05	10959094	(G/C)
28852	CadSNP4447	<i>Desi</i>	Ca_Desig_Chr05	10994093	(T/A)
28853	CadSNP4448	<i>Desi</i>	Ca_Desig_Chr05	11001170	(A/G)
28854	CadSNP4449	<i>Desi</i>	Ca_Desig_Chr05	11028658	(C/G)
28855	CadSNP4450	<i>Desi</i>	Ca_Desig_Chr05	11028640	(T/C)
28856	CadSNP4451	<i>Desi</i>	Ca_Desig_Chr05	11028698	(C/A)
28857	CadSNP4452	<i>Desi</i>	Ca_Desig_Chr05	11029152	(C/T)
28858	CadSNP4453	<i>Desi</i>	Ca_Desig_Chr05	11063910	(C/G)
28859	CadSNP4454	<i>Desi</i>	Ca_Desig_Chr05	11160671	(A/C)
28860	CadSNP4455	<i>Desi</i>	Ca_Desig_Chr05	11160672	(G/C)
28861	CadSNP4456	<i>Desi</i>	Ca_Desig_Chr05	11174148	(C/T)
28862	CadSNP4457	<i>Desi</i>	Ca_Desig_Chr05	11177357	(C/T)
28863	CadSNP4458	<i>Desi</i>	Ca_Desig_Chr05	11214463	(C/A)
28864	CadSNP4459	<i>Desi</i>	Ca_Desig_Chr05	11335385	(C/T)
28865	CadSNP4460	<i>Desi</i>	Ca_Desig_Chr05	11335354	(G/C)
28866	CadSNP4461	<i>Desi</i>	Ca_Desig_Chr05	11342139	(C/A)
28867	CadSNP4462	<i>Desi</i>	Ca_Desig_Chr05	11342143	(G/T)
28868	CadSNP4463	<i>Desi</i>	Ca_Desig_Chr05	11342573	(G/C)
28869	CadSNP4464	<i>Desi</i>	Ca_Desig_Chr05	11392823	(C/G)
28870	CadSNP4465	<i>Desi</i>	Ca_Desig_Chr05	11512770	(T/C)
28871	CadSNP4466	<i>Desi</i>	Ca_Desig_Chr05	11512850	(T/G)
28872	CadSNP4467	<i>Desi</i>	Ca_Desig_Chr05	11537880	(G/A)
28873	CadSNP4468	<i>Desi</i>	Ca_Desig_Chr05	11552774	(C/A)
28874	CadSNP4469	<i>Desi</i>	Ca_Desig_Chr05	11586160	(C/T)
28875	CadSNP4470	<i>Desi</i>	Ca_Desig_Chr05	11604691	(A/G)
28876	CadSNP4471	<i>Desi</i>	Ca_Desig_Chr05	11604665	(G/A)
28877	CadSNP4472	<i>Desi</i>	Ca_Desig_Chr05	11609467	(T/C)
28878	CadSNP4473	<i>Desi</i>	Ca_Desig_Chr05	11609495	(T/C)
28879	CadSNP4474	<i>Desi</i>	Ca_Desig_Chr05	11609463	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28880	CadSNP4475	<i>Desi</i>	Ca_Desig_Chr05	11609837	(C/T)
28881	CadSNP4476	<i>Desi</i>	Ca_Desig_Chr05	11609797	(A/C)
28882	CadSNP4477	<i>Desi</i>	Ca_Desig_Chr05	11609789	(A/C)
28883	CadSNP4478	<i>Desi</i>	Ca_Desig_Chr05	11609776	(G/A)
28884	CadSNP4479	<i>Desi</i>	Ca_Desig_Chr05	11609771	(C/A)
28885	CadSNP4480	<i>Desi</i>	Ca_Desig_Chr05	11655865	(C/T)
28886	CadSNP4481	<i>Desi</i>	Ca_Desig_Chr05	11662823	(A/G)
28887	CadSNP4482	<i>Desi</i>	Ca_Desig_Chr05	11752374	(A/T)
28888	CadSNP4483	<i>Desi</i>	Ca_Desig_Chr05	11753758	(T/A)
28889	CadSNP4484	<i>Desi</i>	Ca_Desig_Chr05	11793256	(T/C)
28890	CadSNP4485	<i>Desi</i>	Ca_Desig_Chr05	11868569	(A/C)
28891	CadSNP4486	<i>Desi</i>	Ca_Desig_Chr05	11872740	(A/C)
28892	CadSNP4487	<i>Desi</i>	Ca_Desig_Chr05	11875453	(G/A)
28893	CadSNP4488	<i>Desi</i>	Ca_Desig_Chr05	11932411	(A/G)
28894	CadSNP4489	<i>Desi</i>	Ca_Desig_Chr05	11932436	(A/C)
28895	CadSNP4490	<i>Desi</i>	Ca_Desig_Chr05	11959531	(A/C)
28896	CadSNP4491	<i>Desi</i>	Ca_Desig_Chr05	11966950	(A/G)
28897	CadSNP4492	<i>Desi</i>	Ca_Desig_Chr05	11966949	(A/T)
28898	CadSNP4493	<i>Desi</i>	Ca_Desig_Chr05	11973602	(T/G)
28899	CadSNP4494	<i>Desi</i>	Ca_Desig_Chr05	12098613	(T/C)
28900	CadSNP4495	<i>Desi</i>	Ca_Desig_Chr05	12112846	(A/G)
28901	CadSNP4496	<i>Desi</i>	Ca_Desig_Chr05	12299230	(G/A)
28902	CadSNP4497	<i>Desi</i>	Ca_Desig_Chr05	12309711	(T/G)
28903	CadSNP4498	<i>Desi</i>	Ca_Desig_Chr05	12406367	(T/C)
28904	CadSNP4499	<i>Desi</i>	Ca_Desig_Chr05	12434400	(T/G)
28905	CadSNP4500	<i>Desi</i>	Ca_Desig_Chr05	12487728	(T/G)
28906	CadSNP4501	<i>Desi</i>	Ca_Desig_Chr05	12522022	(A/G)
28907	CadSNP4502	<i>Desi</i>	Ca_Desig_Chr05	12526710	(T/A)
28908	CadSNP4503	<i>Desi</i>	Ca_Desig_Chr05	12526833	(G/A)
28909	CadSNP4504	<i>Desi</i>	Ca_Desig_Chr05	12526927	(T/C)
28910	CadSNP4505	<i>Desi</i>	Ca_Desig_Chr05	12541734	(A/G)
28911	CadSNP4506	<i>Desi</i>	Ca_Desig_Chr05	12602204	(A/C)
28912	CadSNP4507	<i>Desi</i>	Ca_Desig_Chr05	12605247	(A/G)
28913	CadSNP4508	<i>Desi</i>	Ca_Desig_Chr05	12665664	(G/A)
28914	CadSNP4509	<i>Desi</i>	Ca_Desig_Chr05	12742032	(T/A)
28915	CadSNP4510	<i>Desi</i>	Ca_Desig_Chr05	12742001	(A/C)
28916	CadSNP4511	<i>Desi</i>	Ca_Desig_Chr05	12741968	(C/T)
28917	CadSNP4512	<i>Desi</i>	Ca_Desig_Chr05	12743672	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28918	CadSNP4513	<i>Desi</i>	Ca_Desig_Chr05	12743714	(A/G)
28919	CadSNP4514	<i>Desi</i>	Ca_Desig_Chr05	12759540	(G/A)
28920	CadSNP4515	<i>Desi</i>	Ca_Desig_Chr05	12759571	(A/G)
28921	CadSNP4516	<i>Desi</i>	Ca_Desig_Chr05	12759675	(G/C)
28922	CadSNP4517	<i>Desi</i>	Ca_Desig_Chr05	12759669	(C/T)
28923	CadSNP4518	<i>Desi</i>	Ca_Desig_Chr05	12791587	(T/G)
28924	CadSNP4519	<i>Desi</i>	Ca_Desig_Chr05	12791588	(T/C)
28925	CadSNP4520	<i>Desi</i>	Ca_Desig_Chr05	12866943	(T/G)
28926	CadSNP4521	<i>Desi</i>	Ca_Desig_Chr05	12893610	(T/G)
28927	CadSNP4522	<i>Desi</i>	Ca_Desig_Chr05	12899200	(G/C)
28928	CadSNP4523	<i>Desi</i>	Ca_Desig_Chr05	12899294	(C/T)
28929	CadSNP4524	<i>Desi</i>	Ca_Desig_Chr05	12899295	(G/A)
28930	CadSNP4525	<i>Desi</i>	Ca_Desig_Chr05	12899304	(G/A)
28931	CadSNP4526	<i>Desi</i>	Ca_Desig_Chr05	12899329	(G/C)
28932	CadSNP4527	<i>Desi</i>	Ca_Desig_Chr05	12912189	(T/C)
28933	CadSNP4528	<i>Desi</i>	Ca_Desig_Chr05	12948678	(T/G)
28934	CadSNP4529	<i>Desi</i>	Ca_Desig_Chr05	12948729	(G/A)
28935	CadSNP4530	<i>Desi</i>	Ca_Desig_Chr05	12948716	(T/C)
28936	CadSNP4531	<i>Desi</i>	Ca_Desig_Chr05	12948714	(G/A)
28937	CadSNP4532	<i>Desi</i>	Ca_Desig_Chr05	12948702	(T/C)
28938	CadSNP4533	<i>Desi</i>	Ca_Desig_Chr05	12955254	(A/C)
28939	CadSNP4534	<i>Desi</i>	Ca_Desig_Chr05	12966290	(C/T)
28940	CadSNP4535	<i>Desi</i>	Ca_Desig_Chr05	12979164	(C/T)
28941	CadSNP4536	<i>Desi</i>	Ca_Desig_Chr05	12979161	(C/T)
28942	CadSNP4537	<i>Desi</i>	Ca_Desig_Chr05	12979254	(A/G)
28943	CadSNP4538	<i>Desi</i>	Ca_Desig_Chr05	12999192	(G/T)
28944	CadSNP4539	<i>Desi</i>	Ca_Desig_Chr05	13101747	(G/A)
28945	CadSNP4540	<i>Desi</i>	Ca_Desig_Chr05	13101765	(G/A)
28946	CadSNP4541	<i>Desi</i>	Ca_Desig_Chr05	13122154	(G/A)
28947	CadSNP4542	<i>Desi</i>	Ca_Desig_Chr05	13122172	(G/A)
28948	CadSNP4543	<i>Desi</i>	Ca_Desig_Chr05	13173580	(G/A)
28949	CadSNP4544	<i>Desi</i>	Ca_Desig_Chr05	13190974	(A/G)
28950	CadSNP4545	<i>Desi</i>	Ca_Desig_Chr05	13190975	(C/G)
28951	CadSNP4546	<i>Desi</i>	Ca_Desig_Chr05	13190987	(T/C)
28952	CadSNP4547	<i>Desi</i>	Ca_Desig_Chr05	13191026	(T/C)
28953	CadSNP4548	<i>Desi</i>	Ca_Desig_Chr05	13191086	(C/A)
28954	CadSNP4549	<i>Desi</i>	Ca_Desig_Chr05	13191685	(C/T)
28955	CadSNP4550	<i>Desi</i>	Ca_Desig_Chr05	13191966	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28956	CadSNP4551	<i>Desi</i>	Ca_Desig_Chr05	13191923	(A/G)
28957	CadSNP4552	<i>Desi</i>	Ca_Desig_Chr05	13192562	(G/A)
28958	CadSNP4553	<i>Desi</i>	Ca_Desig_Chr05	13192535	(C/G)
28959	CadSNP4554	<i>Desi</i>	Ca_Desig_Chr05	13617250	(T/A)
28960	CadSNP4555	<i>Desi</i>	Ca_Desig_Chr05	13838297	(A/G)
28961	CadSNP4556	<i>Desi</i>	Ca_Desig_Chr05	13838343	(T/A)
28962	CadSNP4557	<i>Desi</i>	Ca_Desig_Chr05	13882694	(A/G)
28963	CadSNP4558	<i>Desi</i>	Ca_Desig_Chr05	13882962	(A/G)
28964	CadSNP4559	<i>Desi</i>	Ca_Desig_Chr05	13929175	(T/C)
28965	CadSNP4560	<i>Desi</i>	Ca_Desig_Chr05	14006580	(T/C)
28966	CadSNP4561	<i>Desi</i>	Ca_Desig_Chr05	14009263	(A/G)
28967	CadSNP4562	<i>Desi</i>	Ca_Desig_Chr05	14056952	(T/G)
28968	CadSNP4563	<i>Desi</i>	Ca_Desig_Chr05	14056940	(A/T)
28969	CadSNP4564	<i>Desi</i>	Ca_Desig_Chr05	14056936	(A/T)
28970	CadSNP4565	<i>Desi</i>	Ca_Desig_Chr05	14056929	(G/T)
28971	CadSNP4566	<i>Desi</i>	Ca_Desig_Chr05	14056927	(C/T)
28972	CadSNP4567	<i>Desi</i>	Ca_Desig_Chr05	14152662	(T/G)
28973	CadSNP4568	<i>Desi</i>	Ca_Desig_Chr05	14154151	(A/G)
28974	CadSNP4569	<i>Desi</i>	Ca_Desig_Chr05	14341251	(C/T)
28975	CadSNP4570	<i>Desi</i>	Ca_Desig_Chr05	14341243	(A/G)
28976	CadSNP4571	<i>Desi</i>	Ca_Desig_Chr05	14431391	(T/G)
28977	CadSNP4572	<i>Desi</i>	Ca_Desig_Chr05	14496404	(T/C)
28978	CadSNP4573	<i>Desi</i>	Ca_Desig_Chr05	14519569	(G/A)
28979	CadSNP4574	<i>Desi</i>	Ca_Desig_Chr05	14621257	(G/A)
28980	CadSNP4575	<i>Desi</i>	Ca_Desig_Chr05	14621349	(C/G)
28981	CadSNP4576	<i>Desi</i>	Ca_Desig_Chr05	14621724	(A/C)
28982	CadSNP4577	<i>Desi</i>	Ca_Desig_Chr05	14845884	(C/T)
28983	CadSNP4578	<i>Desi</i>	Ca_Desig_Chr05	14856249	(C/A)
28984	CadSNP4579	<i>Desi</i>	Ca_Desig_Chr05	14963006	(A/G)
28985	CadSNP4580	<i>Desi</i>	Ca_Desig_Chr05	15194217	(T/C)
28986	CadSNP4581	<i>Desi</i>	Ca_Desig_Chr05	15194230	(C/T)
28987	CadSNP4582	<i>Desi</i>	Ca_Desig_Chr05	15197106	(G/C)
28988	CadSNP4583	<i>Desi</i>	Ca_Desig_Chr05	15198485	(T/C)
28989	CadSNP4584	<i>Desi</i>	Ca_Desig_Chr05	15239781	(G/C)
28990	CadSNP4585	<i>Desi</i>	Ca_Desig_Chr05	15239787	(T/C)
28991	CadSNP4586	<i>Desi</i>	Ca_Desig_Chr05	15239824	(A/T)
28992	CadSNP4587	<i>Desi</i>	Ca_Desig_Chr05	15284589	(A/C)
28993	CadSNP4588	<i>Desi</i>	Ca_Desig_Chr05	15284798	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
28994	CadSNP4589	<i>Desi</i>	Ca_Desig_Chr05	15366596	(G/T)
28995	CadSNP4590	<i>Desi</i>	Ca_Desig_Chr05	15418559	(A/T)
28996	CadSNP4591	<i>Desi</i>	Ca_Desig_Chr05	15418577	(T/C)
28997	CadSNP4592	<i>Desi</i>	Ca_Desig_Chr05	15418670	(T/A)
28998	CadSNP4593	<i>Desi</i>	Ca_Desig_Chr05	15497565	(T/G)
28999	CadSNP4594	<i>Desi</i>	Ca_Desig_Chr05	15509360	(A/G)
29000	CadSNP4595	<i>Desi</i>	Ca_Desig_Chr05	15609057	(T/G)
29001	CadSNP4596	<i>Desi</i>	Ca_Desig_Chr05	15990322	(C/T)
29002	CadSNP4597	<i>Desi</i>	Ca_Desig_Chr05	15990356	(G/A)
29003	CadSNP4598	<i>Desi</i>	Ca_Desig_Chr05	15990348	(T/A)
29004	CadSNP4599	<i>Desi</i>	Ca_Desig_Chr05	15990337	(T/C)
29005	CadSNP4600	<i>Desi</i>	Ca_Desig_Chr05	15990336	(A/G)
29006	CadSNP4601	<i>Desi</i>	Ca_Desig_Chr05	15990424	(G/A)
29007	CadSNP4602	<i>Desi</i>	Ca_Desig_Chr05	15990523	(A/G)
29008	CadSNP4603	<i>Desi</i>	Ca_Desig_Chr05	15990517	(T/C)
29009	CadSNP4604	<i>Desi</i>	Ca_Desig_Chr05	15990512	(C/A)
29010	CadSNP4605	<i>Desi</i>	Ca_Desig_Chr05	15990510	(C/T)
29011	CadSNP4606	<i>Desi</i>	Ca_Desig_Chr05	15990478	(G/A)
29012	CadSNP4607	<i>Desi</i>	Ca_Desig_Chr05	15990463	(C/T)
29013	CadSNP4608	<i>Desi</i>	Ca_Desig_Chr05	15990703	(G/A)
29014	CadSNP4609	<i>Desi</i>	Ca_Desig_Chr05	16046569	(A/G)
29015	CadSNP4610	<i>Desi</i>	Ca_Desig_Chr05	16046672	(T/C)
29016	CadSNP4611	<i>Desi</i>	Ca_Desig_Chr05	16078287	(G/T)
29017	CadSNP4612	<i>Desi</i>	Ca_Desig_Chr05	16078969	(G/C)
29018	CadSNP4613	<i>Desi</i>	Ca_Desig_Chr05	16137753	(G/A)
29019	CadSNP4614	<i>Desi</i>	Ca_Desig_Chr05	16137774	(C/G)
29020	CadSNP4615	<i>Desi</i>	Ca_Desig_Chr05	16137828	(C/T)
29021	CadSNP4616	<i>Desi</i>	Ca_Desig_Chr05	16170840	(A/G)
29022	CadSNP4617	<i>Desi</i>	Ca_Desig_Chr05	16170950	(G/C)
29023	CadSNP4618	<i>Desi</i>	Ca_Desig_Chr05	16170918	(G/T)
29024	CadSNP4619	<i>Desi</i>	Ca_Desig_Chr05	16170903	(A/C)
29025	CadSNP4620	<i>Desi</i>	Ca_Desig_Chr06	708119	(C/T)
29026	CadSNP4621	<i>Desi</i>	Ca_Desig_Chr06	710250	(G/A)
29027	CadSNP4622	<i>Desi</i>	Ca_Desig_Chr06	711791	(A/G)
29028	CadSNP4623	<i>Desi</i>	Ca_Desig_Chr06	711778	(A/G)
29029	CadSNP4624	<i>Desi</i>	Ca_Desig_Chr06	759589	(A/G)
29030	CadSNP4625	<i>Desi</i>	Ca_Desig_Chr06	760619	(A/T)
29031	CadSNP4626	<i>Desi</i>	Ca_Desig_Chr06	760620	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29032	CadSNP4627	<i>Desi</i>	Ca_Desig_Chr06	784235	(G/A)
29033	CadSNP4628	<i>Desi</i>	Ca_Desig_Chr06	785583	(C/G)
29034	CadSNP4629	<i>Desi</i>	Ca_Desig_Chr06	816797	(C/A)
29035	CadSNP4630	<i>Desi</i>	Ca_Desig_Chr06	816771	(G/A)
29036	CadSNP4631	<i>Desi</i>	Ca_Desig_Chr06	834868	(T/G)
29037	CadSNP4632	<i>Desi</i>	Ca_Desig_Chr06	852455	(C/T)
29038	CadSNP4633	<i>Desi</i>	Ca_Desig_Chr06	857710	(T/C)
29039	CadSNP4634	<i>Desi</i>	Ca_Desig_Chr06	860759	(T/C)
29040	CadSNP4635	<i>Desi</i>	Ca_Desig_Chr06	872274	(C/T)
29041	CadSNP4636	<i>Desi</i>	Ca_Desig_Chr06	1399497	(T/G)
29042	CadSNP4637	<i>Desi</i>	Ca_Desig_Chr06	1399543	(T/C)
29043	CadSNP4638	<i>Desi</i>	Ca_Desig_Chr06	1400882	(A/G)
29044	CadSNP4639	<i>Desi</i>	Ca_Desig_Chr06	1404542	(T/C)
29045	CadSNP4640	<i>Desi</i>	Ca_Desig_Chr06	1404737	(A/G)
29046	CadSNP4641	<i>Desi</i>	Ca_Desig_Chr06	1404719	(A/G)
29047	CadSNP4642	<i>Desi</i>	Ca_Desig_Chr06	1404782	(C/T)
29048	CadSNP4643	<i>Desi</i>	Ca_Desig_Chr06	1404833	(T/A)
29049	CadSNP4644	<i>Desi</i>	Ca_Desig_Chr06	1405172	(A/G)
29050	CadSNP4645	<i>Desi</i>	Ca_Desig_Chr06	1428933	(T/C)
29051	CadSNP4646	<i>Desi</i>	Ca_Desig_Chr06	1428988	(T/C)
29052	CadSNP4647	<i>Desi</i>	Ca_Desig_Chr06	1447426	(A/C)
29053	CadSNP4648	<i>Desi</i>	Ca_Desig_Chr06	1498286	(A/C)
29054	CadSNP4649	<i>Desi</i>	Ca_Desig_Chr06	1498258	(C/G)
29055	CadSNP4650	<i>Desi</i>	Ca_Desig_Chr06	1530871	(C/G)
29056	CadSNP4651	<i>Desi</i>	Ca_Desig_Chr06	1530915	(G/T)
29057	CadSNP4652	<i>Desi</i>	Ca_Desig_Chr06	1530925	(C/G)
29058	CadSNP4653	<i>Desi</i>	Ca_Desig_Chr06	1669530	(A/G)
29059	CadSNP4654	<i>Desi</i>	Ca_Desig_Chr06	1671647	(T/G)
29060	CadSNP4655	<i>Desi</i>	Ca_Desig_Chr06	1720438	(C/T)
29061	CadSNP4656	<i>Desi</i>	Ca_Desig_Chr06	1768057	(T/G)
29062	CadSNP4657	<i>Desi</i>	Ca_Desig_Chr06	1778613	(A/G)
29063	CadSNP4658	<i>Desi</i>	Ca_Desig_Chr06	1878318	(C/A)
29064	CadSNP4659	<i>Desi</i>	Ca_Desig_Chr06	1909507	(T/C)
29065	CadSNP4660	<i>Desi</i>	Ca_Desig_Chr06	1918526	(T/G)
29066	CadSNP4661	<i>Desi</i>	Ca_Desig_Chr06	1949577	(A/T)
29067	CadSNP4662	<i>Desi</i>	Ca_Desig_Chr06	1952238	(T/G)
29068	CadSNP4663	<i>Desi</i>	Ca_Desig_Chr06	1962394	(A/G)
29069	CadSNP4664	<i>Desi</i>	Ca_Desig_Chr06	1982038	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29070	CadSNP4665	<i>Desi</i>	Ca_Desig_Chr06	1990006	(C/A)
29071	CadSNP4666	<i>Desi</i>	Ca_Desig_Chr06	2046962	(T/A)
29072	CadSNP4667	<i>Desi</i>	Ca_Desig_Chr06	2053478	(G/T)
29073	CadSNP4668	<i>Desi</i>	Ca_Desig_Chr06	2053469	(G/T)
29074	CadSNP4669	<i>Desi</i>	Ca_Desig_Chr06	2055044	(A/C)
29075	CadSNP4670	<i>Desi</i>	Ca_Desig_Chr06	2181824	(G/A)
29076	CadSNP4671	<i>Desi</i>	Ca_Desig_Chr06	2304901	(A/T)
29077	CadSNP4672	<i>Desi</i>	Ca_Desig_Chr06	2341500	(G/A)
29078	CadSNP4673	<i>Desi</i>	Ca_Desig_Chr06	2341572	(A/T)
29079	CadSNP4674	<i>Desi</i>	Ca_Desig_Chr06	2341653	(G/A)
29080	CadSNP4675	<i>Desi</i>	Ca_Desig_Chr06	2354039	(G/T)
29081	CadSNP4676	<i>Desi</i>	Ca_Desig_Chr06	2401832	(A/G)
29082	CadSNP4677	<i>Desi</i>	Ca_Desig_Chr06	2401831	(C/T)
29083	CadSNP4678	<i>Desi</i>	Ca_Desig_Chr06	2409313	(T/C)
29084	CadSNP4679	<i>Desi</i>	Ca_Desig_Chr06	2456442	(G/C)
29085	CadSNP4680	<i>Desi</i>	Ca_Desig_Chr06	2596358	(T/C)
29086	CadSNP4681	<i>Desi</i>	Ca_Desig_Chr06	2596296	(T/C)
29087	CadSNP4682	<i>Desi</i>	Ca_Desig_Chr06	2609813	(T/C)
29088	CadSNP4683	<i>Desi</i>	Ca_Desig_Chr06	2609808	(A/C)
29089	CadSNP4684	<i>Desi</i>	Ca_Desig_Chr06	2615000	(C/T)
29090	CadSNP4685	<i>Desi</i>	Ca_Desig_Chr06	2615009	(G/A)
29091	CadSNP4686	<i>Desi</i>	Ca_Desig_Chr06	2615011	(A/C)
29092	CadSNP4687	<i>Desi</i>	Ca_Desig_Chr06	2615019	(A/T)
29093	CadSNP4688	<i>Desi</i>	Ca_Desig_Chr06	2615054	(T/A)
29094	CadSNP4689	<i>Desi</i>	Ca_Desig_Chr06	2615048	(A/G)
29095	CadSNP4690	<i>Desi</i>	Ca_Desig_Chr06	2697953	(A/G)
29096	CadSNP4691	<i>Desi</i>	Ca_Desig_Chr06	2697972	(G/A)
29097	CadSNP4692	<i>Desi</i>	Ca_Desig_Chr06	2698001	(A/G)
29098	CadSNP4693	<i>Desi</i>	Ca_Desig_Chr06	2703180	(T/A)
29099	CadSNP4694	<i>Desi</i>	Ca_Desig_Chr06	2703198	(A/G)
29100	CadSNP4695	<i>Desi</i>	Ca_Desig_Chr06	2708651	(A/G)
29101	CadSNP4696	<i>Desi</i>	Ca_Desig_Chr06	2708683	(C/T)
29102	CadSNP4697	<i>Desi</i>	Ca_Desig_Chr06	2716533	(T/G)
29103	CadSNP4698	<i>Desi</i>	Ca_Desig_Chr06	2721201	(A/C)
29104	CadSNP4699	<i>Desi</i>	Ca_Desig_Chr06	2721202	(G/T)
29105	CadSNP4700	<i>Desi</i>	Ca_Desig_Chr06	2721205	(A/C)
29106	CadSNP4701	<i>Desi</i>	Ca_Desig_Chr06	2721210	(G/T)
29107	CadSNP4702	<i>Desi</i>	Ca_Desig_Chr06	2721217	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29108	CadSNP4703	<i>Desi</i>	Ca_Desig_Chr06	2721220	(G/T)
29109	CadSNP4704	<i>Desi</i>	Ca_Desig_Chr06	2721229	(A/G)
29110	CadSNP4705	<i>Desi</i>	Ca_Desig_Chr06	2721236	(C/T)
29111	CadSNP4706	<i>Desi</i>	Ca_Desig_Chr06	2721244	(A/T)
29112	CadSNP4707	<i>Desi</i>	Ca_Desig_Chr06	2724389	(T/G)
29113	CadSNP4708	<i>Desi</i>	Ca_Desig_Chr06	2734949	(A/C)
29114	CadSNP4709	<i>Desi</i>	Ca_Desig_Chr06	2735094	(G/A)
29115	CadSNP4710	<i>Desi</i>	Ca_Desig_Chr06	2735295	(T/C)
29116	CadSNP4711	<i>Desi</i>	Ca_Desig_Chr06	2771663	(T/C)
29117	CadSNP4712	<i>Desi</i>	Ca_Desig_Chr06	2840081	(T/C)
29118	CadSNP4713	<i>Desi</i>	Ca_Desig_Chr06	2963977	(A/G)
29119	CadSNP4714	<i>Desi</i>	Ca_Desig_Chr06	3289141	(T/C)
29120	CadSNP4715	<i>Desi</i>	Ca_Desig_Chr06	3295359	(A/T)
29121	CadSNP4716	<i>Desi</i>	Ca_Desig_Chr06	3295404	(A/C)
29122	CadSNP4717	<i>Desi</i>	Ca_Desig_Chr06	3295426	(A/C)
29123	CadSNP4718	<i>Desi</i>	Ca_Desig_Chr06	3385728	(T/C)
29124	CadSNP4719	<i>Desi</i>	Ca_Desig_Chr06	3385816	(G/A)
29125	CadSNP4720	<i>Desi</i>	Ca_Desig_Chr06	3386976	(C/T)
29126	CadSNP4721	<i>Desi</i>	Ca_Desig_Chr06	3392258	(G/A)
29127	CadSNP4722	<i>Desi</i>	Ca_Desig_Chr06	3398484	(A/T)
29128	CadSNP4723	<i>Desi</i>	Ca_Desig_Chr06	3398461	(C/T)
29129	CadSNP4724	<i>Desi</i>	Ca_Desig_Chr06	3422528	(C/A)
29130	CadSNP4725	<i>Desi</i>	Ca_Desig_Chr06	3437552	(C/T)
29131	CadSNP4726	<i>Desi</i>	Ca_Desig_Chr06	3439444	(C/T)
29132	CadSNP4727	<i>Desi</i>	Ca_Desig_Chr06	3439565	(A/G)
29133	CadSNP4728	<i>Desi</i>	Ca_Desig_Chr06	3443517	(C/G)
29134	CadSNP4729	<i>Desi</i>	Ca_Desig_Chr06	3509247	(T/C)
29135	CadSNP4730	<i>Desi</i>	Ca_Desig_Chr06	3551024	(C/T)
29136	CadSNP4731	<i>Desi</i>	Ca_Desig_Chr06	3551113	(C/T)
29137	CadSNP4732	<i>Desi</i>	Ca_Desig_Chr06	3629257	(G/T)
29138	CadSNP4733	<i>Desi</i>	Ca_Desig_Chr06	3629260	(A/T)
29139	CadSNP4734	<i>Desi</i>	Ca_Desig_Chr06	3629275	(C/T)
29140	CadSNP4735	<i>Desi</i>	Ca_Desig_Chr06	3629293	(A/T)
29141	CadSNP4736	<i>Desi</i>	Ca_Desig_Chr06	3629296	(A/T)
29142	CadSNP4737	<i>Desi</i>	Ca_Desig_Chr06	3636801	(T/G)
29143	CadSNP4738	<i>Desi</i>	Ca_Desig_Chr06	3771449	(C/T)
29144	CadSNP4739	<i>Desi</i>	Ca_Desig_Chr06	3777690	(A/G)
29145	CadSNP4740	<i>Desi</i>	Ca_Desig_Chr06	3777646	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29146	CadSNP4741	<i>Desi</i>	Ca_Desig_Chr06	3778037	(G/A)
29147	CadSNP4742	<i>Desi</i>	Ca_Desig_Chr06	3780661	(G/A)
29148	CadSNP4743	<i>Desi</i>	Ca_Desig_Chr06	3780628	(T/C)
29149	CadSNP4744	<i>Desi</i>	Ca_Desig_Chr06	3781556	(T/G)
29150	CadSNP4745	<i>Desi</i>	Ca_Desig_Chr06	3781552	(C/A)
29151	CadSNP4746	<i>Desi</i>	Ca_Desig_Chr06	3781548	(T/G)
29152	CadSNP4747	<i>Desi</i>	Ca_Desig_Chr06	3797242	(T/C)
29153	CadSNP4748	<i>Desi</i>	Ca_Desig_Chr06	3912452	(T/G)
29154	CadSNP4749	<i>Desi</i>	Ca_Desig_Chr06	3912467	(T/C)
29155	CadSNP4750	<i>Desi</i>	Ca_Desig_Chr06	3913889	(G/A)
29156	CadSNP4751	<i>Desi</i>	Ca_Desig_Chr06	3913907	(A/G)
29157	CadSNP4752	<i>Desi</i>	Ca_Desig_Chr06	3953348	(T/C)
29158	CadSNP4753	<i>Desi</i>	Ca_Desig_Chr06	3953946	(A/C)
29159	CadSNP4754	<i>Desi</i>	Ca_Desig_Chr06	3953957	(T/G)
29160	CadSNP4755	<i>Desi</i>	Ca_Desig_Chr06	3953982	(G/T)
29161	CadSNP4756	<i>Desi</i>	Ca_Desig_Chr06	3953995	(A/C)
29162	CadSNP4757	<i>Desi</i>	Ca_Desig_Chr06	3954096	(A/G)
29163	CadSNP4758	<i>Desi</i>	Ca_Desig_Chr06	3955621	(A/G)
29164	CadSNP4759	<i>Desi</i>	Ca_Desig_Chr06	3955666	(G/A)
29165	CadSNP4760	<i>Desi</i>	Ca_Desig_Chr06	3955672	(A/G)
29166	CadSNP4761	<i>Desi</i>	Ca_Desig_Chr06	3956770	(G/A)
29167	CadSNP4762	<i>Desi</i>	Ca_Desig_Chr06	3958738	(A/G)
29168	CadSNP4763	<i>Desi</i>	Ca_Desig_Chr06	3958739	(G/C)
29169	CadSNP4764	<i>Desi</i>	Ca_Desig_Chr06	3958854	(C/T)
29170	CadSNP4765	<i>Desi</i>	Ca_Desig_Chr06	3958870	(G/T)
29171	CadSNP4766	<i>Desi</i>	Ca_Desig_Chr06	3958901	(C/T)
29172	CadSNP4767	<i>Desi</i>	Ca_Desig_Chr06	3960118	(A/G)
29173	CadSNP4768	<i>Desi</i>	Ca_Desig_Chr06	3960162	(C/G)
29174	CadSNP4769	<i>Desi</i>	Ca_Desig_Chr06	3960216	(T/C)
29175	CadSNP4770	<i>Desi</i>	Ca_Desig_Chr06	3966763	(T/G)
29176	CadSNP4771	<i>Desi</i>	Ca_Desig_Chr06	4022210	(C/T)
29177	CadSNP4772	<i>Desi</i>	Ca_Desig_Chr06	4039489	(G/A)
29178	CadSNP4773	<i>Desi</i>	Ca_Desig_Chr06	4039522	(A/G)
29179	CadSNP4774	<i>Desi</i>	Ca_Desig_Chr06	4063699	(C/A)
29180	CadSNP4775	<i>Desi</i>	Ca_Desig_Chr06	4072292	(C/T)
29181	CadSNP4776	<i>Desi</i>	Ca_Desig_Chr06	4072742	(T/G)
29182	CadSNP4777	<i>Desi</i>	Ca_Desig_Chr06	4072817	(C/T)
29183	CadSNP4778	<i>Desi</i>	Ca_Desig_Chr06	4074191	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29184	CadSNP4779	<i>Desi</i>	Ca_Desig_Chr06	4082237	(G/T)
29185	CadSNP4780	<i>Desi</i>	Ca_Desig_Chr06	4107311	(T/C)
29186	CadSNP4781	<i>Desi</i>	Ca_Desig_Chr06	4142257	(C/T)
29187	CadSNP4782	<i>Desi</i>	Ca_Desig_Chr06	4142658	(A/G)
29188	CadSNP4783	<i>Desi</i>	Ca_Desig_Chr06	4142677	(T/C)
29189	CadSNP4784	<i>Desi</i>	Ca_Desig_Chr06	4142812	(T/C)
29190	CadSNP4785	<i>Desi</i>	Ca_Desig_Chr06	4231750	(A/G)
29191	CadSNP4786	<i>Desi</i>	Ca_Desig_Chr06	4276964	(T/C)
29192	CadSNP4787	<i>Desi</i>	Ca_Desig_Chr06	4310476	(C/T)
29193	CadSNP4788	<i>Desi</i>	Ca_Desig_Chr06	4310498	(C/T)
29194	CadSNP4789	<i>Desi</i>	Ca_Desig_Chr06	4310528	(G/A)
29195	CadSNP4790	<i>Desi</i>	Ca_Desig_Chr06	4310593	(G/A)
29196	CadSNP4791	<i>Desi</i>	Ca_Desig_Chr06	4358705	(C/A)
29197	CadSNP4792	<i>Desi</i>	Ca_Desig_Chr06	4464467	(T/C)
29198	CadSNP4793	<i>Desi</i>	Ca_Desig_Chr06	4538900	(G/A)
29199	CadSNP4794	<i>Desi</i>	Ca_Desig_Chr06	4553439	(G/C)
29200	CadSNP4795	<i>Desi</i>	Ca_Desig_Chr06	4554274	(C/T)
29201	CadSNP4796	<i>Desi</i>	Ca_Desig_Chr06	4576604	(T/A)
29202	CadSNP4797	<i>Desi</i>	Ca_Desig_Chr06	4576598	(T/C)
29203	CadSNP4798	<i>Desi</i>	Ca_Desig_Chr06	4576595	(C/A)
29204	CadSNP4799	<i>Desi</i>	Ca_Desig_Chr06	4587162	(T/C)
29205	CadSNP4800	<i>Desi</i>	Ca_Desig_Chr06	4641974	(A/G)
29206	CadSNP4801	<i>Desi</i>	Ca_Desig_Chr06	4646365	(G/A)
29207	CadSNP4802	<i>Desi</i>	Ca_Desig_Chr06	4646368	(G/A)
29208	CadSNP4803	<i>Desi</i>	Ca_Desig_Chr06	4646393	(A/C)
29209	CadSNP4804	<i>Desi</i>	Ca_Desig_Chr06	4646391	(A/C)
29210	CadSNP4805	<i>Desi</i>	Ca_Desig_Chr06	4646384	(A/C)
29211	CadSNP4806	<i>Desi</i>	Ca_Desig_Chr06	4651094	(A/G)
29212	CadSNP4807	<i>Desi</i>	Ca_Desig_Chr06	4651118	(C/T)
29213	CadSNP4808	<i>Desi</i>	Ca_Desig_Chr06	4669923	(A/C)
29214	CadSNP4809	<i>Desi</i>	Ca_Desig_Chr06	4672284	(T/C)
29215	CadSNP4810	<i>Desi</i>	Ca_Desig_Chr06	4691086	(T/C)
29216	CadSNP4811	<i>Desi</i>	Ca_Desig_Chr06	4730982	(A/G)
29217	CadSNP4812	<i>Desi</i>	Ca_Desig_Chr06	4731554	(G/A)
29218	CadSNP4813	<i>Desi</i>	Ca_Desig_Chr06	4733447	(G/A)
29219	CadSNP4814	<i>Desi</i>	Ca_Desig_Chr06	4775756	(C/T)
29220	CadSNP4815	<i>Desi</i>	Ca_Desig_Chr06	4790073	(A/T)
29221	CadSNP4816	<i>Desi</i>	Ca_Desig_Chr06	4790077	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29222	CadSNP4817	<i>Desi</i>	Ca_Desig_Chr06	4790205	(T/G)
29223	CadSNP4818	<i>Desi</i>	Ca_Desig_Chr06	4792734	(G/A)
29224	CadSNP4819	<i>Desi</i>	Ca_Desig_Chr06	4792759	(G/A)
29225	CadSNP4820	<i>Desi</i>	Ca_Desig_Chr06	4792800	(G/A)
29226	CadSNP4821	<i>Desi</i>	Ca_Desig_Chr06	4792803	(A/C)
29227	CadSNP4822	<i>Desi</i>	Ca_Desig_Chr06	4792873	(C/T)
29228	CadSNP4823	<i>Desi</i>	Ca_Desig_Chr06	4792973	(G/A)
29229	CadSNP4824	<i>Desi</i>	Ca_Desig_Chr06	4793066	(C/T)
29230	CadSNP4825	<i>Desi</i>	Ca_Desig_Chr06	4793085	(G/A)
29231	CadSNP4826	<i>Desi</i>	Ca_Desig_Chr06	4793164	(A/C)
29232	CadSNP4827	<i>Desi</i>	Ca_Desig_Chr06	4793350	(T/C)
29233	CadSNP4828	<i>Desi</i>	Ca_Desig_Chr06	4793852	(T/C)
29234	CadSNP4829	<i>Desi</i>	Ca_Desig_Chr06	4793838	(A/C)
29235	CadSNP4830	<i>Desi</i>	Ca_Desig_Chr06	4794865	(C/T)
29236	CadSNP4831	<i>Desi</i>	Ca_Desig_Chr06	4799873	(A/G)
29237	CadSNP4832	<i>Desi</i>	Ca_Desig_Chr06	4799905	(C/T)
29238	CadSNP4833	<i>Desi</i>	Ca_Desig_Chr06	4804555	(G/T)
29239	CadSNP4834	<i>Desi</i>	Ca_Desig_Chr06	4804535	(C/G)
29240	CadSNP4835	<i>Desi</i>	Ca_Desig_Chr06	4805527	(C/T)
29241	CadSNP4836	<i>Desi</i>	Ca_Desig_Chr06	4818656	(A/T)
29242	CadSNP4837	<i>Desi</i>	Ca_Desig_Chr06	4818660	(T/C)
29243	CadSNP4838	<i>Desi</i>	Ca_Desig_Chr06	4818734	(T/A)
29244	CadSNP4839	<i>Desi</i>	Ca_Desig_Chr06	4836649	(G/A)
29245	CadSNP4840	<i>Desi</i>	Ca_Desig_Chr06	4836631	(G/A)
29246	CadSNP4841	<i>Desi</i>	Ca_Desig_Chr06	4863685	(C/A)
29247	CadSNP4842	<i>Desi</i>	Ca_Desig_Chr06	4863652	(A/T)
29248	CadSNP4843	<i>Desi</i>	Ca_Desig_Chr06	4868621	(G/T)
29249	CadSNP4844	<i>Desi</i>	Ca_Desig_Chr06	4909271	(G/C)
29250	CadSNP4845	<i>Desi</i>	Ca_Desig_Chr06	4909368	(A/T)
29251	CadSNP4846	<i>Desi</i>	Ca_Desig_Chr06	4909457	(A/T)
29252	CadSNP4847	<i>Desi</i>	Ca_Desig_Chr06	4909450	(T/G)
29253	CadSNP4848	<i>Desi</i>	Ca_Desig_Chr06	4909446	(A/G)
29254	CadSNP4849	<i>Desi</i>	Ca_Desig_Chr06	4909445	(T/C)
29255	CadSNP4850	<i>Desi</i>	Ca_Desig_Chr06	4909421	(C/G)
29256	CadSNP4851	<i>Desi</i>	Ca_Desig_Chr06	4909506	(C/A)
29257	CadSNP4852	<i>Desi</i>	Ca_Desig_Chr06	4915673	(T/G)
29258	CadSNP4853	<i>Desi</i>	Ca_Desig_Chr06	4999533	(T/G)
29259	CadSNP4854	<i>Desi</i>	Ca_Desig_Chr06	4999880	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29260	CadSNP4855	<i>Desi</i>	Ca_Desig_Chr06	5002016	(G/A)
29261	CadSNP4856	<i>Desi</i>	Ca_Desig_Chr06	5009335	(C/T)
29262	CadSNP4857	<i>Desi</i>	Ca_Desig_Chr06	5009363	(T/G)
29263	CadSNP4858	<i>Desi</i>	Ca_Desig_Chr06	5009546	(A/G)
29264	CadSNP4859	<i>Desi</i>	Ca_Desig_Chr06	5009529	(C/T)
29265	CadSNP4860	<i>Desi</i>	Ca_Desig_Chr06	5009506	(G/T)
29266	CadSNP4861	<i>Desi</i>	Ca_Desig_Chr06	5573657	(G/A)
29267	CadSNP4862	<i>Desi</i>	Ca_Desig_Chr06	5582291	(C/T)
29268	CadSNP4863	<i>Desi</i>	Ca_Desig_Chr06	5600377	(C/A)
29269	CadSNP4864	<i>Desi</i>	Ca_Desig_Chr06	5611153	(A/G)
29270	CadSNP4865	<i>Desi</i>	Ca_Desig_Chr06	5629010	(A/T)
29271	CadSNP4866	<i>Desi</i>	Ca_Desig_Chr06	5639520	(G/A)
29272	CadSNP4867	<i>Desi</i>	Ca_Desig_Chr06	5642730	(C/A)
29273	CadSNP4868	<i>Desi</i>	Ca_Desig_Chr06	5645511	(C/T)
29274	CadSNP4869	<i>Desi</i>	Ca_Desig_Chr06	5645500	(A/T)
29275	CadSNP4870	<i>Desi</i>	Ca_Desig_Chr06	5645603	(C/T)
29276	CadSNP4871	<i>Desi</i>	Ca_Desig_Chr06	5765527	(T/G)
29277	CadSNP4872	<i>Desi</i>	Ca_Desig_Chr06	5765551	(G/A)
29278	CadSNP4873	<i>Desi</i>	Ca_Desig_Chr06	5787184	(C/T)
29279	CadSNP4874	<i>Desi</i>	Ca_Desig_Chr06	5793661	(T/C)
29280	CadSNP4875	<i>Desi</i>	Ca_Desig_Chr06	5793689	(A/C)
29281	CadSNP4876	<i>Desi</i>	Ca_Desig_Chr06	5793709	(G/T)
29282	CadSNP4877	<i>Desi</i>	Ca_Desig_Chr06	5805177	(G/T)
29283	CadSNP4878	<i>Desi</i>	Ca_Desig_Chr06	5805248	(T/C)
29284	CadSNP4879	<i>Desi</i>	Ca_Desig_Chr06	5855179	(A/G)
29285	CadSNP4880	<i>Desi</i>	Ca_Desig_Chr06	5855201	(T/C)
29286	CadSNP4881	<i>Desi</i>	Ca_Desig_Chr06	5856090	(A/G)
29287	CadSNP4882	<i>Desi</i>	Ca_Desig_Chr06	5857703	(G/A)
29288	CadSNP4883	<i>Desi</i>	Ca_Desig_Chr06	5875812	(A/G)
29289	CadSNP4884	<i>Desi</i>	Ca_Desig_Chr06	5881201	(C/T)
29290	CadSNP4885	<i>Desi</i>	Ca_Desig_Chr06	5919255	(G/T)
29291	CadSNP4886	<i>Desi</i>	Ca_Desig_Chr06	5934489	(A/G)
29292	CadSNP4887	<i>Desi</i>	Ca_Desig_Chr06	5935304	(C/A)
29293	CadSNP4888	<i>Desi</i>	Ca_Desig_Chr06	5942121	(G/A)
29294	CadSNP4889	<i>Desi</i>	Ca_Desig_Chr06	5942263	(T/G)
29295	CadSNP4890	<i>Desi</i>	Ca_Desig_Chr06	5943369	(C/T)
29296	CadSNP4891	<i>Desi</i>	Ca_Desig_Chr06	5943564	(C/T)
29297	CadSNP4892	<i>Desi</i>	Ca_Desig_Chr06	5943740	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29298	CadSNP4893	<i>Desi</i>	Ca_Desig_Chr06	5944029	(A/G)
29299	CadSNP4894	<i>Desi</i>	Ca_Desig_Chr06	5944053	(G/A)
29300	CadSNP4895	<i>Desi</i>	Ca_Desig_Chr06	5944054	(G/A)
29301	CadSNP4896	<i>Desi</i>	Ca_Desig_Chr06	5944184	(C/T)
29302	CadSNP4897	<i>Desi</i>	Ca_Desig_Chr06	5944178	(C/T)
29303	CadSNP4898	<i>Desi</i>	Ca_Desig_Chr06	5946749	(C/T)
29304	CadSNP4899	<i>Desi</i>	Ca_Desig_Chr06	5947076	(G/A)
29305	CadSNP4900	<i>Desi</i>	Ca_Desig_Chr06	5947049	(G/T)
29306	CadSNP4901	<i>Desi</i>	Ca_Desig_Chr06	5947130	(G/A)
29307	CadSNP4902	<i>Desi</i>	Ca_Desig_Chr06	5947581	(G/A)
29308	CadSNP4903	<i>Desi</i>	Ca_Desig_Chr06	5947892	(C/T)
29309	CadSNP4904	<i>Desi</i>	Ca_Desig_Chr06	5948138	(T/A)
29310	CadSNP4905	<i>Desi</i>	Ca_Desig_Chr06	5967285	(G/C)
29311	CadSNP4906	<i>Desi</i>	Ca_Desig_Chr06	6048824	(C/T)
29312	CadSNP4907	<i>Desi</i>	Ca_Desig_Chr06	6048899	(T/C)
29313	CadSNP4908	<i>Desi</i>	Ca_Desig_Chr06	6048900	(G/A)
29314	CadSNP4909	<i>Desi</i>	Ca_Desig_Chr06	6048909	(C/T)
29315	CadSNP4910	<i>Desi</i>	Ca_Desig_Chr06	6048945	(T/C)
29316	CadSNP4911	<i>Desi</i>	Ca_Desig_Chr06	6049054	(A/G)
29317	CadSNP4912	<i>Desi</i>	Ca_Desig_Chr06	6049190	(G/A)
29318	CadSNP4913	<i>Desi</i>	Ca_Desig_Chr06	6049189	(C/T)
29319	CadSNP4914	<i>Desi</i>	Ca_Desig_Chr06	6049168	(A/C)
29320	CadSNP4915	<i>Desi</i>	Ca_Desig_Chr06	6058591	(T/A)
29321	CadSNP4916	<i>Desi</i>	Ca_Desig_Chr06	6058595	(T/G)
29322	CadSNP4917	<i>Desi</i>	Ca_Desig_Chr06	6058779	(A/G)
29323	CadSNP4918	<i>Desi</i>	Ca_Desig_Chr06	6062860	(C/G)
29324	CadSNP4919	<i>Desi</i>	Ca_Desig_Chr06	6103720	(G/T)
29325	CadSNP4920	<i>Desi</i>	Ca_Desig_Chr06	6119010	(C/T)
29326	CadSNP4921	<i>Desi</i>	Ca_Desig_Chr06	6119060	(G/A)
29327	CadSNP4922	<i>Desi</i>	Ca_Desig_Chr06	6121161	(G/T)
29328	CadSNP4923	<i>Desi</i>	Ca_Desig_Chr06	6334146	(C/T)
29329	CadSNP4924	<i>Desi</i>	Ca_Desig_Chr06	6334167	(T/C)
29330	CadSNP4925	<i>Desi</i>	Ca_Desig_Chr06	6334238	(T/C)
29331	CadSNP4926	<i>Desi</i>	Ca_Desig_Chr06	6334224	(G/A)
29332	CadSNP4927	<i>Desi</i>	Ca_Desig_Chr06	6334215	(T/C)
29333	CadSNP4928	<i>Desi</i>	Ca_Desig_Chr06	6335461	(A/C)
29334	CadSNP4929	<i>Desi</i>	Ca_Desig_Chr06	6335472	(T/C)
29335	CadSNP4930	<i>Desi</i>	Ca_Desig_Chr06	6335576	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29336	CadSNP4931	<i>Desi</i>	Ca_Desig_Chr06	6335557	(G/T)
29337	CadSNP4932	<i>Desi</i>	Ca_Desig_Chr06	6336378	(C/G)
29338	CadSNP4933	<i>Desi</i>	Ca_Desig_Chr06	6338657	(C/T)
29339	CadSNP4934	<i>Desi</i>	Ca_Desig_Chr06	6339136	(T/C)
29340	CadSNP4935	<i>Desi</i>	Ca_Desig_Chr06	6370183	(A/C)
29341	CadSNP4936	<i>Desi</i>	Ca_Desig_Chr06	6573612	(A/G)
29342	CadSNP4937	<i>Desi</i>	Ca_Desig_Chr06	6573627	(A/G)
29343	CadSNP4938	<i>Desi</i>	Ca_Desig_Chr06	6667269	(T/C)
29344	CadSNP4939	<i>Desi</i>	Ca_Desig_Chr06	6681486	(G/T)
29345	CadSNP4940	<i>Desi</i>	Ca_Desig_Chr06	6681472	(A/G)
29346	CadSNP4941	<i>Desi</i>	Ca_Desig_Chr06	6772814	(G/T)
29347	CadSNP4942	<i>Desi</i>	Ca_Desig_Chr06	6792786	(T/C)
29348	CadSNP4943	<i>Desi</i>	Ca_Desig_Chr06	6792785	(C/A)
29349	CadSNP4944	<i>Desi</i>	Ca_Desig_Chr06	6792774	(A/T)
29350	CadSNP4945	<i>Desi</i>	Ca_Desig_Chr06	6792771	(A/T)
29351	CadSNP4946	<i>Desi</i>	Ca_Desig_Chr06	6792770	(C/T)
29352	CadSNP4947	<i>Desi</i>	Ca_Desig_Chr06	6800422	(G/A)
29353	CadSNP4948	<i>Desi</i>	Ca_Desig_Chr06	6800476	(G/A)
29354	CadSNP4949	<i>Desi</i>	Ca_Desig_Chr06	6803657	(C/T)
29355	CadSNP4950	<i>Desi</i>	Ca_Desig_Chr06	6803663	(T/C)
29356	CadSNP4951	<i>Desi</i>	Ca_Desig_Chr06	6842192	(G/A)
29357	CadSNP4952	<i>Desi</i>	Ca_Desig_Chr06	6875940	(C/T)
29358	CadSNP4953	<i>Desi</i>	Ca_Desig_Chr06	6888687	(A/G)
29359	CadSNP4954	<i>Desi</i>	Ca_Desig_Chr06	6888688	(A/G)
29360	CadSNP4955	<i>Desi</i>	Ca_Desig_Chr06	6897740	(T/C)
29361	CadSNP4956	<i>Desi</i>	Ca_Desig_Chr06	6924931	(G/T)
29362	CadSNP4957	<i>Desi</i>	Ca_Desig_Chr06	6926284	(T/G)
29363	CadSNP4958	<i>Desi</i>	Ca_Desig_Chr06	6928436	(A/G)
29364	CadSNP4959	<i>Desi</i>	Ca_Desig_Chr06	6952716	(T/G)
29365	CadSNP4960	<i>Desi</i>	Ca_Desig_Chr06	6967917	(C/T)
29366	CadSNP4961	<i>Desi</i>	Ca_Desig_Chr06	6967943	(G/A)
29367	CadSNP4962	<i>Desi</i>	Ca_Desig_Chr06	6967945	(A/C)
29368	CadSNP4963	<i>Desi</i>	Ca_Desig_Chr06	6967990	(T/G)
29369	CadSNP4964	<i>Desi</i>	Ca_Desig_Chr06	6968625	(T/G)
29370	CadSNP4965	<i>Desi</i>	Ca_Desig_Chr06	6968628	(G/T)
29371	CadSNP4966	<i>Desi</i>	Ca_Desig_Chr06	6971767	(A/G)
29372	CadSNP4967	<i>Desi</i>	Ca_Desig_Chr06	6995748	(C/T)
29373	CadSNP4968	<i>Desi</i>	Ca_Desig_Chr06	6996408	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29374	CadSNP4969	<i>Desi</i>	Ca_Desig_Chr06	7112715	(T/G)
29375	CadSNP4970	<i>Desi</i>	Ca_Desig_Chr06	7143967	(T/A)
29376	CadSNP4971	<i>Desi</i>	Ca_Desig_Chr06	7144039	(G/A)
29377	CadSNP4972	<i>Desi</i>	Ca_Desig_Chr06	7144010	(G/T)
29378	CadSNP4973	<i>Desi</i>	Ca_Desig_Chr06	7231216	(G/C)
29379	CadSNP4974	<i>Desi</i>	Ca_Desig_Chr06	7241176	(A/T)
29380	CadSNP4975	<i>Desi</i>	Ca_Desig_Chr06	7280811	(T/C)
29381	CadSNP4976	<i>Desi</i>	Ca_Desig_Chr06	7280959	(C/A)
29382	CadSNP4977	<i>Desi</i>	Ca_Desig_Chr06	7337525	(G/A)
29383	CadSNP4978	<i>Desi</i>	Ca_Desig_Chr06	7337556	(C/T)
29384	CadSNP4979	<i>Desi</i>	Ca_Desig_Chr06	7337559	(T/C)
29385	CadSNP4980	<i>Desi</i>	Ca_Desig_Chr06	7337569	(T/A)
29386	CadSNP4981	<i>Desi</i>	Ca_Desig_Chr06	7340661	(C/A)
29387	CadSNP4982	<i>Desi</i>	Ca_Desig_Chr06	7364889	(T/C)
29388	CadSNP4983	<i>Desi</i>	Ca_Desig_Chr06	7364880	(C/G)
29389	CadSNP4984	<i>Desi</i>	Ca_Desig_Chr06	7414777	(C/G)
29390	CadSNP4985	<i>Desi</i>	Ca_Desig_Chr06	7537049	(A/G)
29391	CadSNP4986	<i>Desi</i>	Ca_Desig_Chr06	7537061	(T/C)
29392	CadSNP4987	<i>Desi</i>	Ca_Desig_Chr06	7537095	(G/A)
29393	CadSNP4988	<i>Desi</i>	Ca_Desig_Chr06	7539901	(T/A)
29394	CadSNP4989	<i>Desi</i>	Ca_Desig_Chr06	7540355	(G/A)
29395	CadSNP4990	<i>Desi</i>	Ca_Desig_Chr06	7540353	(G/A)
29396	CadSNP4991	<i>Desi</i>	Ca_Desig_Chr06	7540327	(T/G)
29397	CadSNP4992	<i>Desi</i>	Ca_Desig_Chr06	7572679	(T/G)
29398	CadSNP4993	<i>Desi</i>	Ca_Desig_Chr06	7572682	(C/T)
29399	CadSNP4994	<i>Desi</i>	Ca_Desig_Chr06	7572696	(C/T)
29400	CadSNP4995	<i>Desi</i>	Ca_Desig_Chr06	7597654	(G/A)
29401	CadSNP4996	<i>Desi</i>	Ca_Desig_Chr06	7597902	(A/G)
29402	CadSNP4997	<i>Desi</i>	Ca_Desig_Chr06	7692140	(G/A)
29403	CadSNP4998	<i>Desi</i>	Ca_Desig_Chr06	7707117	(C/T)
29404	CadSNP4999	<i>Desi</i>	Ca_Desig_Chr06	7707069	(A/C)
29405	CadSNP5000	<i>Desi</i>	Ca_Desig_Chr06	7708557	(A/C)
29406	CadSNP5001	<i>Desi</i>	Ca_Desig_Chr06	7708553	(T/C)
29407	CadSNP5002	<i>Desi</i>	Ca_Desig_Chr06	7793284	(T/G)
29408	CadSNP5003	<i>Desi</i>	Ca_Desig_Chr06	7837703	(G/A)
29409	CadSNP5004	<i>Desi</i>	Ca_Desig_Chr06	7881884	(C/A)
29410	CadSNP5005	<i>Desi</i>	Ca_Desig_Chr06	7881974	(C/T)
29411	CadSNP5006	<i>Desi</i>	Ca_Desig_Chr06	7883757	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29412	CadSNP5007	<i>Desi</i>	Ca_Desig_Chr06	7891823	(G/A)
29413	CadSNP5008	<i>Desi</i>	Ca_Desig_Chr06	7891904	(T/C)
29414	CadSNP5009	<i>Desi</i>	Ca_Desig_Chr06	7891893	(G/A)
29415	CadSNP5010	<i>Desi</i>	Ca_Desig_Chr06	7956395	(A/G)
29416	CadSNP5011	<i>Desi</i>	Ca_Desig_Chr06	7959130	(T/A)
29417	CadSNP5012	<i>Desi</i>	Ca_Desig_Chr06	7959189	(A/T)
29418	CadSNP5013	<i>Desi</i>	Ca_Desig_Chr06	7959193	(C/G)
29419	CadSNP5014	<i>Desi</i>	Ca_Desig_Chr06	7959207	(A/T)
29420	CadSNP5015	<i>Desi</i>	Ca_Desig_Chr06	7959236	(A/T)
29421	CadSNP5016	<i>Desi</i>	Ca_Desig_Chr06	7959244	(T/C)
29422	CadSNP5017	<i>Desi</i>	Ca_Desig_Chr06	7959263	(A/G)
29423	CadSNP5018	<i>Desi</i>	Ca_Desig_Chr06	7959943	(A/G)
29424	CadSNP5019	<i>Desi</i>	Ca_Desig_Chr06	7960015	(T/G)
29425	CadSNP5020	<i>Desi</i>	Ca_Desig_Chr06	7960007	(A/G)
29426	CadSNP5021	<i>Desi</i>	Ca_Desig_Chr06	7968788	(A/C)
29427	CadSNP5022	<i>Desi</i>	Ca_Desig_Chr06	7968800	(C/G)
29428	CadSNP5023	<i>Desi</i>	Ca_Desig_Chr06	7968802	(C/T)
29429	CadSNP5024	<i>Desi</i>	Ca_Desig_Chr06	7969668	(A/G)
29430	CadSNP5025	<i>Desi</i>	Ca_Desig_Chr06	7969725	(A/C)
29431	CadSNP5026	<i>Desi</i>	Ca_Desig_Chr06	7991168	(A/T)
29432	CadSNP5027	<i>Desi</i>	Ca_Desig_Chr06	7991195	(C/T)
29433	CadSNP5028	<i>Desi</i>	Ca_Desig_Chr06	7991300	(C/T)
29434	CadSNP5029	<i>Desi</i>	Ca_Desig_Chr06	8009576	(C/G)
29435	CadSNP5030	<i>Desi</i>	Ca_Desig_Chr06	8009582	(C/T)
29436	CadSNP5031	<i>Desi</i>	Ca_Desig_Chr06	8009585	(T/C)
29437	CadSNP5032	<i>Desi</i>	Ca_Desig_Chr06	8009591	(G/A)
29438	CadSNP5033	<i>Desi</i>	Ca_Desig_Chr06	8009597	(T/C)
29439	CadSNP5034	<i>Desi</i>	Ca_Desig_Chr06	8009600	(T/C)
29440	CadSNP5035	<i>Desi</i>	Ca_Desig_Chr06	8009604	(T/C)
29441	CadSNP5036	<i>Desi</i>	Ca_Desig_Chr06	8009612	(C/T)
29442	CadSNP5037	<i>Desi</i>	Ca_Desig_Chr06	8009613	(C/T)
29443	CadSNP5038	<i>Desi</i>	Ca_Desig_Chr06	8009615	(T/G)
29444	CadSNP5039	<i>Desi</i>	Ca_Desig_Chr06	8009624	(T/C)
29445	CadSNP5040	<i>Desi</i>	Ca_Desig_Chr06	8009648	(G/A)
29446	CadSNP5041	<i>Desi</i>	Ca_Desig_Chr06	8009947	(C/T)
29447	CadSNP5042	<i>Desi</i>	Ca_Desig_Chr06	8009941	(G/C)
29448	CadSNP5043	<i>Desi</i>	Ca_Desig_Chr06	8009936	(T/C)
29449	CadSNP5044	<i>Desi</i>	Ca_Desig_Chr06	8009934	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29450	CadSNP5045	<i>Desi</i>	Ca_Desig_Chr06	8009901	(C/T)
29451	CadSNP5046	<i>Desi</i>	Ca_Desig_Chr06	8018615	(C/T)
29452	CadSNP5047	<i>Desi</i>	Ca_Desig_Chr06	8018630	(C/T)
29453	CadSNP5048	<i>Desi</i>	Ca_Desig_Chr06	8018633	(C/G)
29454	CadSNP5049	<i>Desi</i>	Ca_Desig_Chr06	8018634	(A/G)
29455	CadSNP5050	<i>Desi</i>	Ca_Desig_Chr06	8018636	(C/T)
29456	CadSNP5051	<i>Desi</i>	Ca_Desig_Chr06	8018649	(A/G)
29457	CadSNP5052	<i>Desi</i>	Ca_Desig_Chr06	8018654	(C/T)
29458	CadSNP5053	<i>Desi</i>	Ca_Desig_Chr06	8018656	(G/T)
29459	CadSNP5054	<i>Desi</i>	Ca_Desig_Chr06	8018669	(A/G)
29460	CadSNP5055	<i>Desi</i>	Ca_Desig_Chr06	8018679	(G/T)
29461	CadSNP5056	<i>Desi</i>	Ca_Desig_Chr06	8018681	(A/T)
29462	CadSNP5057	<i>Desi</i>	Ca_Desig_Chr06	8018684	(C/G)
29463	CadSNP5058	<i>Desi</i>	Ca_Desig_Chr06	8018944	(C/T)
29464	CadSNP5059	<i>Desi</i>	Ca_Desig_Chr06	8022275	(A/G)
29465	CadSNP5060	<i>Desi</i>	Ca_Desig_Chr06	8022631	(C/G)
29466	CadSNP5061	<i>Desi</i>	Ca_Desig_Chr06	8022636	(T/G)
29467	CadSNP5062	<i>Desi</i>	Ca_Desig_Chr06	8023046	(A/G)
29468	CadSNP5063	<i>Desi</i>	Ca_Desig_Chr06	8023049	(T/C)
29469	CadSNP5064	<i>Desi</i>	Ca_Desig_Chr06	8079486	(G/C)
29470	CadSNP5065	<i>Desi</i>	Ca_Desig_Chr06	8093339	(G/T)
29471	CadSNP5066	<i>Desi</i>	Ca_Desig_Chr06	8093340	(T/G)
29472	CadSNP5067	<i>Desi</i>	Ca_Desig_Chr06	8093346	(T/A)
29473	CadSNP5068	<i>Desi</i>	Ca_Desig_Chr06	8103275	(G/A)
29474	CadSNP5069	<i>Desi</i>	Ca_Desig_Chr06	8111499	(C/A)
29475	CadSNP5070	<i>Desi</i>	Ca_Desig_Chr06	8111501	(C/A)
29476	CadSNP5071	<i>Desi</i>	Ca_Desig_Chr06	8426279	(T/A)
29477	CadSNP5072	<i>Desi</i>	Ca_Desig_Chr06	8443103	(G/A)
29478	CadSNP5073	<i>Desi</i>	Ca_Desig_Chr06	8468359	(G/A)
29479	CadSNP5074	<i>Desi</i>	Ca_Desig_Chr06	8585668	(C/G)
29480	CadSNP5075	<i>Desi</i>	Ca_Desig_Chr06	8585671	(G/A)
29481	CadSNP5076	<i>Desi</i>	Ca_Desig_Chr06	8585672	(A/T)
29482	CadSNP5077	<i>Desi</i>	Ca_Desig_Chr06	8585678	(T/C)
29483	CadSNP5078	<i>Desi</i>	Ca_Desig_Chr06	8585702	(C/T)
29484	CadSNP5079	<i>Desi</i>	Ca_Desig_Chr06	8585714	(C/G)
29485	CadSNP5080	<i>Desi</i>	Ca_Desig_Chr06	8585725	(T/C)
29486	CadSNP5081	<i>Desi</i>	Ca_Desig_Chr06	8585804	(A/T)
29487	CadSNP5082	<i>Desi</i>	Ca_Desig_Chr06	8616328	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29488	CadSNP5083	<i>Desi</i>	Ca_Desig_Chr06	8616288	(A/C)
29489	CadSNP5084	<i>Desi</i>	Ca_Desig_Chr06	8628430	(T/C)
29490	CadSNP5085	<i>Desi</i>	Ca_Desig_Chr06	8631889	(G/A)
29491	CadSNP5086	<i>Desi</i>	Ca_Desig_Chr06	8654685	(T/G)
29492	CadSNP5087	<i>Desi</i>	Ca_Desig_Chr06	8730974	(T/C)
29493	CadSNP5088	<i>Desi</i>	Ca_Desig_Chr06	8731110	(C/T)
29494	CadSNP5089	<i>Desi</i>	Ca_Desig_Chr06	8731127	(C/T)
29495	CadSNP5090	<i>Desi</i>	Ca_Desig_Chr06	8731132	(T/G)
29496	CadSNP5091	<i>Desi</i>	Ca_Desig_Chr06	8731161	(C/T)
29497	CadSNP5092	<i>Desi</i>	Ca_Desig_Chr06	8731230	(A/G)
29498	CadSNP5093	<i>Desi</i>	Ca_Desig_Chr06	8731256	(A/C)
29499	CadSNP5094	<i>Desi</i>	Ca_Desig_Chr06	8731250	(G/T)
29500	CadSNP5095	<i>Desi</i>	Ca_Desig_Chr06	8731302	(A/T)
29501	CadSNP5096	<i>Desi</i>	Ca_Desig_Chr06	8737791	(A/T)
29502	CadSNP5097	<i>Desi</i>	Ca_Desig_Chr06	8737776	(A/C)
29503	CadSNP5098	<i>Desi</i>	Ca_Desig_Chr06	9154535	(A/T)
29504	CadSNP5099	<i>Desi</i>	Ca_Desig_Chr06	9172261	(A/G)
29505	CadSNP5100	<i>Desi</i>	Ca_Desig_Chr06	9216495	(T/G)
29506	CadSNP5101	<i>Desi</i>	Ca_Desig_Chr06	9216522	(A/C)
29507	CadSNP5102	<i>Desi</i>	Ca_Desig_Chr06	9216541	(C/A)
29508	CadSNP5103	<i>Desi</i>	Ca_Desig_Chr06	9222307	(T/C)
29509	CadSNP5104	<i>Desi</i>	Ca_Desig_Chr06	9223567	(T/A)
29510	CadSNP5105	<i>Desi</i>	Ca_Desig_Chr06	9245293	(T/A)
29511	CadSNP5106	<i>Desi</i>	Ca_Desig_Chr06	9250164	(A/T)
29512	CadSNP5107	<i>Desi</i>	Ca_Desig_Chr06	9250223	(A/G)
29513	CadSNP5108	<i>Desi</i>	Ca_Desig_Chr06	9253759	(T/C)
29514	CadSNP5109	<i>Desi</i>	Ca_Desig_Chr06	9268782	(C/G)
29515	CadSNP5110	<i>Desi</i>	Ca_Desig_Chr06	9268768	(C/G)
29516	CadSNP5111	<i>Desi</i>	Ca_Desig_Chr06	9268767	(A/G)
29517	CadSNP5112	<i>Desi</i>	Ca_Desig_Chr06	9339744	(G/A)
29518	CadSNP5113	<i>Desi</i>	Ca_Desig_Chr06	9339776	(G/C)
29519	CadSNP5114	<i>Desi</i>	Ca_Desig_Chr06	9339784	(C/T)
29520	CadSNP5115	<i>Desi</i>	Ca_Desig_Chr06	9371666	(T/G)
29521	CadSNP5116	<i>Desi</i>	Ca_Desig_Chr06	9371665	(C/T)
29522	CadSNP5117	<i>Desi</i>	Ca_Desig_Chr06	9371663	(A/C)
29523	CadSNP5118	<i>Desi</i>	Ca_Desig_Chr06	9379256	(C/T)
29524	CadSNP5119	<i>Desi</i>	Ca_Desig_Chr06	9391599	(G/T)
29525	CadSNP5120	<i>Desi</i>	Ca_Desig_Chr06	9406600	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29526	CadSNP5121	<i>Desi</i>	Ca_Desig_Chr06	9406646	(A/T)
29527	CadSNP5122	<i>Desi</i>	Ca_Desig_Chr06	9406789	(A/C)
29528	CadSNP5123	<i>Desi</i>	Ca_Desig_Chr06	9425019	(C/T)
29529	CadSNP5124	<i>Desi</i>	Ca_Desig_Chr06	9470270	(A/T)
29530	CadSNP5125	<i>Desi</i>	Ca_Desig_Chr06	9470298	(T/C)
29531	CadSNP5126	<i>Desi</i>	Ca_Desig_Chr06	9507932	(T/G)
29532	CadSNP5127	<i>Desi</i>	Ca_Desig_Chr06	9521696	(C/G)
29533	CadSNP5128	<i>Desi</i>	Ca_Desig_Chr06	9521740	(A/G)
29534	CadSNP5129	<i>Desi</i>	Ca_Desig_Chr06	9522638	(C/A)
29535	CadSNP5130	<i>Desi</i>	Ca_Desig_Chr06	9522738	(A/G)
29536	CadSNP5131	<i>Desi</i>	Ca_Desig_Chr06	9522719	(G/C)
29537	CadSNP5132	<i>Desi</i>	Ca_Desig_Chr06	9522979	(G/A)
29538	CadSNP5133	<i>Desi</i>	Ca_Desig_Chr06	9523028	(T/C)
29539	CadSNP5134	<i>Desi</i>	Ca_Desig_Chr06	9523023	(A/C)
29540	CadSNP5135	<i>Desi</i>	Ca_Desig_Chr06	9523022	(A/G)
29541	CadSNP5136	<i>Desi</i>	Ca_Desig_Chr06	9522994	(A/T)
29542	CadSNP5137	<i>Desi</i>	Ca_Desig_Chr06	9523146	(C/A)
29543	CadSNP5138	<i>Desi</i>	Ca_Desig_Chr06	9523152	(C/G)
29544	CadSNP5139	<i>Desi</i>	Ca_Desig_Chr06	9523154	(G/A)
29545	CadSNP5140	<i>Desi</i>	Ca_Desig_Chr06	9523262	(T/C)
29546	CadSNP5141	<i>Desi</i>	Ca_Desig_Chr06	9523261	(T/A)
29547	CadSNP5142	<i>Desi</i>	Ca_Desig_Chr06	9628736	(C/T)
29548	CadSNP5143	<i>Desi</i>	Ca_Desig_Chr06	9628856	(A/C)
29549	CadSNP5144	<i>Desi</i>	Ca_Desig_Chr06	9628944	(G/A)
29550	CadSNP5145	<i>Desi</i>	Ca_Desig_Chr06	9628912	(A/G)
29551	CadSNP5146	<i>Desi</i>	Ca_Desig_Chr06	9691343	(C/T)
29552	CadSNP5147	<i>Desi</i>	Ca_Desig_Chr06	9701965	(A/G)
29553	CadSNP5148	<i>Desi</i>	Ca_Desig_Chr06	9728010	(T/G)
29554	CadSNP5149	<i>Desi</i>	Ca_Desig_Chr06	9728012	(A/G)
29555	CadSNP5150	<i>Desi</i>	Ca_Desig_Chr06	9728023	(A/T)
29556	CadSNP5151	<i>Desi</i>	Ca_Desig_Chr06	9728043	(A/C)
29557	CadSNP5152	<i>Desi</i>	Ca_Desig_Chr06	9728141	(G/T)
29558	CadSNP5153	<i>Desi</i>	Ca_Desig_Chr06	9728118	(G/T)
29559	CadSNP5154	<i>Desi</i>	Ca_Desig_Chr06	9769838	(G/A)
29560	CadSNP5155	<i>Desi</i>	Ca_Desig_Chr06	9770231	(A/G)
29561	CadSNP5156	<i>Desi</i>	Ca_Desig_Chr06	9801070	(G/A)
29562	CadSNP5157	<i>Desi</i>	Ca_Desig_Chr06	9801087	(C/T)
29563	CadSNP5158	<i>Desi</i>	Ca_Desig_Chr06	9811599	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29564	CadSNP5159	<i>Desi</i>	Ca_Desig_Chr06	9860708	(G/A)
29565	CadSNP5160	<i>Desi</i>	Ca_Desig_Chr06	9860679	(G/T)
29566	CadSNP5161	<i>Desi</i>	Ca_Desig_Chr06	9860772	(A/G)
29567	CadSNP5162	<i>Desi</i>	Ca_Desig_Chr06	9860717	(A/G)
29568	CadSNP5163	<i>Desi</i>	Ca_Desig_Chr06	9867699	(A/C)
29569	CadSNP5164	<i>Desi</i>	Ca_Desig_Chr06	9899142	(G/C)
29570	CadSNP5165	<i>Desi</i>	Ca_Desig_Chr06	9899144	(A/C)
29571	CadSNP5166	<i>Desi</i>	Ca_Desig_Chr06	9899151	(C/T)
29572	CadSNP5167	<i>Desi</i>	Ca_Desig_Chr06	9904529	(T/G)
29573	CadSNP5168	<i>Desi</i>	Ca_Desig_Chr06	9933849	(T/A)
29574	CadSNP5169	<i>Desi</i>	Ca_Desig_Chr06	9933885	(C/T)
29575	CadSNP5170	<i>Desi</i>	Ca_Desig_Chr06	9955274	(T/A)
29576	CadSNP5171	<i>Desi</i>	Ca_Desig_Chr06	9955279	(C/T)
29577	CadSNP5172	<i>Desi</i>	Ca_Desig_Chr06	9955323	(G/A)
29578	CadSNP5173	<i>Desi</i>	Ca_Desig_Chr06	9967565	(T/C)
29579	CadSNP5174	<i>Desi</i>	Ca_Desig_Chr06	9980914	(G/C)
29580	CadSNP5175	<i>Desi</i>	Ca_Desig_Chr06	10095855	(A/T)
29581	CadSNP5176	<i>Desi</i>	Ca_Desig_Chr06	10125293	(T/C)
29582	CadSNP5177	<i>Desi</i>	Ca_Desig_Chr06	10167738	(C/T)
29583	CadSNP5178	<i>Desi</i>	Ca_Desig_Chr06	10168581	(G/A)
29584	CadSNP5179	<i>Desi</i>	Ca_Desig_Chr06	10172037	(G/T)
29585	CadSNP5180	<i>Desi</i>	Ca_Desig_Chr06	10171978	(A/C)
29586	CadSNP5181	<i>Desi</i>	Ca_Desig_Chr06	10255106	(C/T)
29587	CadSNP5182	<i>Desi</i>	Ca_Desig_Chr06	10266811	(A/T)
29588	CadSNP5183	<i>Desi</i>	Ca_Desig_Chr06	10266755	(T/G)
29589	CadSNP5184	<i>Desi</i>	Ca_Desig_Chr06	10284428	(G/C)
29590	CadSNP5185	<i>Desi</i>	Ca_Desig_Chr06	10284520	(T/C)
29591	CadSNP5186	<i>Desi</i>	Ca_Desig_Chr06	10284872	(G/C)
29592	CadSNP5187	<i>Desi</i>	Ca_Desig_Chr06	10296242	(C/A)
29593	CadSNP5188	<i>Desi</i>	Ca_Desig_Chr06	10336871	(G/A)
29594	CadSNP5189	<i>Desi</i>	Ca_Desig_Chr06	10337088	(G/A)
29595	CadSNP5190	<i>Desi</i>	Ca_Desig_Chr06	10338805	(C/A)
29596	CadSNP5191	<i>Desi</i>	Ca_Desig_Chr06	10338806	(T/G)
29597	CadSNP5192	<i>Desi</i>	Ca_Desig_Chr06	10359730	(C/T)
29598	CadSNP5193	<i>Desi</i>	Ca_Desig_Chr06	10366733	(A/C)
29599	CadSNP5194	<i>Desi</i>	Ca_Desig_Chr06	10383897	(G/A)
29600	CadSNP5195	<i>Desi</i>	Ca_Desig_Chr06	10461140	(G/A)
29601	CadSNP5196	<i>Desi</i>	Ca_Desig_Chr06	10461698	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29602	CadSNP5197	<i>Desi</i>	Ca_Desig_Chr06	10461701	(T/C)
29603	CadSNP5198	<i>Desi</i>	Ca_Desig_Chr06	10577097	(C/T)
29604	CadSNP5199	<i>Desi</i>	Ca_Desig_Chr06	10577165	(T/G)
29605	CadSNP5200	<i>Desi</i>	Ca_Desig_Chr06	10577166	(A/G)
29606	CadSNP5201	<i>Desi</i>	Ca_Desig_Chr06	10577168	(T/A)
29607	CadSNP5202	<i>Desi</i>	Ca_Desig_Chr06	10596504	(T/G)
29608	CadSNP5203	<i>Desi</i>	Ca_Desig_Chr06	10614096	(A/G)
29609	CadSNP5204	<i>Desi</i>	Ca_Desig_Chr06	10614162	(A/C)
29610	CadSNP5205	<i>Desi</i>	Ca_Desig_Chr06	10614225	(G/A)
29611	CadSNP5206	<i>Desi</i>	Ca_Desig_Chr06	10614491	(A/C)
29612	CadSNP5207	<i>Desi</i>	Ca_Desig_Chr06	10614489	(A/G)
29613	CadSNP5208	<i>Desi</i>	Ca_Desig_Chr06	10614449	(C/G)
29614	CadSNP5209	<i>Desi</i>	Ca_Desig_Chr06	10662775	(T/C)
29615	CadSNP5210	<i>Desi</i>	Ca_Desig_Chr06	10662822	(G/T)
29616	CadSNP5211	<i>Desi</i>	Ca_Desig_Chr06	10690866	(T/C)
29617	CadSNP5212	<i>Desi</i>	Ca_Desig_Chr06	10703187	(A/G)
29618	CadSNP5213	<i>Desi</i>	Ca_Desig_Chr06	10712250	(G/T)
29619	CadSNP5214	<i>Desi</i>	Ca_Desig_Chr06	10712395	(G/A)
29620	CadSNP5215	<i>Desi</i>	Ca_Desig_Chr06	10726489	(T/G)
29621	CadSNP5216	<i>Desi</i>	Ca_Desig_Chr06	10777778	(C/T)
29622	CadSNP5217	<i>Desi</i>	Ca_Desig_Chr06	10792360	(C/T)
29623	CadSNP5218	<i>Desi</i>	Ca_Desig_Chr06	10830004	(T/C)
29624	CadSNP5219	<i>Desi</i>	Ca_Desig_Chr06	10840928	(A/C)
29625	CadSNP5220	<i>Desi</i>	Ca_Desig_Chr06	10840948	(C/G)
29626	CadSNP5221	<i>Desi</i>	Ca_Desig_Chr06	10863945	(C/G)
29627	CadSNP5222	<i>Desi</i>	Ca_Desig_Chr06	10864155	(T/A)
29628	CadSNP5223	<i>Desi</i>	Ca_Desig_Chr06	10888231	(T/C)
29629	CadSNP5224	<i>Desi</i>	Ca_Desig_Chr06	10928498	(C/T)
29630	CadSNP5225	<i>Desi</i>	Ca_Desig_Chr06	10928544	(C/A)
29631	CadSNP5226	<i>Desi</i>	Ca_Desig_Chr06	10928548	(C/A)
29632	CadSNP5227	<i>Desi</i>	Ca_Desig_Chr06	10940419	(G/T)
29633	CadSNP5228	<i>Desi</i>	Ca_Desig_Chr06	10949246	(A/G)
29634	CadSNP5229	<i>Desi</i>	Ca_Desig_Chr06	11137301	(C/A)
29635	CadSNP5230	<i>Desi</i>	Ca_Desig_Chr06	11137362	(C/A)
29636	CadSNP5231	<i>Desi</i>	Ca_Desig_Chr06	11175957	(G/T)
29637	CadSNP5232	<i>Desi</i>	Ca_Desig_Chr06	11175961	(G/A)
29638	CadSNP5233	<i>Desi</i>	Ca_Desig_Chr06	11175980	(A/G)
29639	CadSNP5234	<i>Desi</i>	Ca_Desig_Chr06	11175981	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29640	CadSNP5235	<i>Desi</i>	Ca_Desig_Chr06	11175993	(C/A)
29641	CadSNP5236	<i>Desi</i>	Ca_Desig_Chr06	11176003	(C/G)
29642	CadSNP5237	<i>Desi</i>	Ca_Desig_Chr06	11176031	(A/G)
29643	CadSNP5238	<i>Desi</i>	Ca_Desig_Chr06	11176039	(T/C)
29644	CadSNP5239	<i>Desi</i>	Ca_Desig_Chr06	11176042	(A/G)
29645	CadSNP5240	<i>Desi</i>	Ca_Desig_Chr06	11176040	(A/G)
29646	CadSNP5241	<i>Desi</i>	Ca_Desig_Chr06	11176037	(A/T)
29647	CadSNP5242	<i>Desi</i>	Ca_Desig_Chr06	11215916	(C/G)
29648	CadSNP5243	<i>Desi</i>	Ca_Desig_Chr06	11337880	(G/A)
29649	CadSNP5244	<i>Desi</i>	Ca_Desig_Chr06	11339684	(A/G)
29650	CadSNP5245	<i>Desi</i>	Ca_Desig_Chr06	11339720	(A/T)
29651	CadSNP5246	<i>Desi</i>	Ca_Desig_Chr06	11343524	(T/C)
29652	CadSNP5247	<i>Desi</i>	Ca_Desig_Chr06	11350128	(A/C)
29653	CadSNP5248	<i>Desi</i>	Ca_Desig_Chr06	11352403	(G/T)
29654	CadSNP5249	<i>Desi</i>	Ca_Desig_Chr06	11414663	(G/T)
29655	CadSNP5250	<i>Desi</i>	Ca_Desig_Chr06	11414655	(A/C)
29656	CadSNP5251	<i>Desi</i>	Ca_Desig_Chr06	11427044	(T/C)
29657	CadSNP5252	<i>Desi</i>	Ca_Desig_Chr06	11427072	(A/T)
29658	CadSNP5253	<i>Desi</i>	Ca_Desig_Chr06	11427154	(G/A)
29659	CadSNP5254	<i>Desi</i>	Ca_Desig_Chr06	11453999	(A/G)
29660	CadSNP5255	<i>Desi</i>	Ca_Desig_Chr06	11476194	(A/G)
29661	CadSNP5256	<i>Desi</i>	Ca_Desig_Chr07	165727	(T/G)
29662	CadSNP5257	<i>Desi</i>	Ca_Desig_Chr07	174201	(A/G)
29663	CadSNP5258	<i>Desi</i>	Ca_Desig_Chr07	176584	(G/A)
29664	CadSNP5259	<i>Desi</i>	Ca_Desig_Chr07	235526	(T/C)
29665	CadSNP5260	<i>Desi</i>	Ca_Desig_Chr07	235529	(T/C)
29666	CadSNP5261	<i>Desi</i>	Ca_Desig_Chr07	246172	(A/C)
29667	CadSNP5262	<i>Desi</i>	Ca_Desig_Chr07	282539	(T/C)
29668	CadSNP5263	<i>Desi</i>	Ca_Desig_Chr07	355245	(A/G)
29669	CadSNP5264	<i>Desi</i>	Ca_Desig_Chr07	378918	(G/A)
29670	CadSNP5265	<i>Desi</i>	Ca_Desig_Chr07	386668	(G/C)
29671	CadSNP5266	<i>Desi</i>	Ca_Desig_Chr07	386767	(T/C)
29672	CadSNP5267	<i>Desi</i>	Ca_Desig_Chr07	386754	(C/A)
29673	CadSNP5268	<i>Desi</i>	Ca_Desig_Chr07	386772	(A/G)
29674	CadSNP5269	<i>Desi</i>	Ca_Desig_Chr07	398327	(G/T)
29675	CadSNP5270	<i>Desi</i>	Ca_Desig_Chr07	423139	(C/A)
29676	CadSNP5271	<i>Desi</i>	Ca_Desig_Chr07	423208	(A/C)
29677	CadSNP5272	<i>Desi</i>	Ca_Desig_Chr07	423296	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29678	CadSNP5273	<i>Desi</i>	Ca_Desig_Chr07	585356	(G/A)
29679	CadSNP5274	<i>Desi</i>	Ca_Desig_Chr07	586999	(C/T)
29680	CadSNP5275	<i>Desi</i>	Ca_Desig_Chr07	587013	(C/A)
29681	CadSNP5276	<i>Desi</i>	Ca_Desig_Chr07	640796	(T/C)
29682	CadSNP5277	<i>Desi</i>	Ca_Desig_Chr07	691252	(A/G)
29683	CadSNP5278	<i>Desi</i>	Ca_Desig_Chr07	691183	(C/T)
29684	CadSNP5279	<i>Desi</i>	Ca_Desig_Chr07	694654	(C/T)
29685	CadSNP5280	<i>Desi</i>	Ca_Desig_Chr07	694650	(A/G)
29686	CadSNP5281	<i>Desi</i>	Ca_Desig_Chr07	734971	(C/G)
29687	CadSNP5282	<i>Desi</i>	Ca_Desig_Chr07	740393	(A/G)
29688	CadSNP5283	<i>Desi</i>	Ca_Desig_Chr07	740412	(T/G)
29689	CadSNP5284	<i>Desi</i>	Ca_Desig_Chr07	740512	(G/A)
29690	CadSNP5285	<i>Desi</i>	Ca_Desig_Chr07	747281	(T/C)
29691	CadSNP5286	<i>Desi</i>	Ca_Desig_Chr07	784246	(T/C)
29692	CadSNP5287	<i>Desi</i>	Ca_Desig_Chr07	830276	(G/A)
29693	CadSNP5288	<i>Desi</i>	Ca_Desig_Chr07	830290	(G/T)
29694	CadSNP5289	<i>Desi</i>	Ca_Desig_Chr07	843874	(C/T)
29695	CadSNP5290	<i>Desi</i>	Ca_Desig_Chr07	843865	(A/T)
29696	CadSNP5291	<i>Desi</i>	Ca_Desig_Chr07	843832	(C/T)
29697	CadSNP5292	<i>Desi</i>	Ca_Desig_Chr07	905394	(T/C)
29698	CadSNP5293	<i>Desi</i>	Ca_Desig_Chr07	905361	(T/A)
29699	CadSNP5294	<i>Desi</i>	Ca_Desig_Chr07	1024728	(T/G)
29700	CadSNP5295	<i>Desi</i>	Ca_Desig_Chr07	1050542	(A/T)
29701	CadSNP5296	<i>Desi</i>	Ca_Desig_Chr07	1050556	(G/T)
29702	CadSNP5297	<i>Desi</i>	Ca_Desig_Chr07	1050560	(C/T)
29703	CadSNP5298	<i>Desi</i>	Ca_Desig_Chr07	1050574	(C/T)
29704	CadSNP5299	<i>Desi</i>	Ca_Desig_Chr07	1050522	(C/T)
29705	CadSNP5300	<i>Desi</i>	Ca_Desig_Chr07	1050521	(C/G)
29706	CadSNP5301	<i>Desi</i>	Ca_Desig_Chr07	1414396	(T/G)
29707	CadSNP5302	<i>Desi</i>	Ca_Desig_Chr07	1415410	(A/C)
29708	CadSNP5303	<i>Desi</i>	Ca_Desig_Chr07	1415425	(G/T)
29709	CadSNP5304	<i>Desi</i>	Ca_Desig_Chr07	1443859	(T/G)
29710	CadSNP5305	<i>Desi</i>	Ca_Desig_Chr07	1457985	(A/G)
29711	CadSNP5306	<i>Desi</i>	Ca_Desig_Chr07	1467358	(T/A)
29712	CadSNP5307	<i>Desi</i>	Ca_Desig_Chr07	1467400	(A/G)
29713	CadSNP5308	<i>Desi</i>	Ca_Desig_Chr07	1541580	(A/T)
29714	CadSNP5309	<i>Desi</i>	Ca_Desig_Chr07	1541646	(C/G)
29715	CadSNP5310	<i>Desi</i>	Ca_Desig_Chr07	1558720	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29716	CadSNP5311	<i>Desi</i>	Ca_Desig_Chr07	1558730	(T/G)
29717	CadSNP5312	<i>Desi</i>	Ca_Desig_Chr07	1558747	(T/G)
29718	CadSNP5313	<i>Desi</i>	Ca_Desig_Chr07	1558761	(T/G)
29719	CadSNP5314	<i>Desi</i>	Ca_Desig_Chr07	1559999	(A/T)
29720	CadSNP5315	<i>Desi</i>	Ca_Desig_Chr07	1566076	(T/G)
29721	CadSNP5316	<i>Desi</i>	Ca_Desig_Chr07	1566205	(C/T)
29722	CadSNP5317	<i>Desi</i>	Ca_Desig_Chr07	1566200	(T/C)
29723	CadSNP5318	<i>Desi</i>	Ca_Desig_Chr07	1566197	(G/A)
29724	CadSNP5319	<i>Desi</i>	Ca_Desig_Chr07	1566167	(C/A)
29725	CadSNP5320	<i>Desi</i>	Ca_Desig_Chr07	1566154	(G/T)
29726	CadSNP5321	<i>Desi</i>	Ca_Desig_Chr07	1566140	(C/T)
29727	CadSNP5322	<i>Desi</i>	Ca_Desig_Chr07	1566135	(C/T)
29728	CadSNP5323	<i>Desi</i>	Ca_Desig_Chr07	1566133	(T/C)
29729	CadSNP5324	<i>Desi</i>	Ca_Desig_Chr07	1566127	(A/T)
29730	CadSNP5325	<i>Desi</i>	Ca_Desig_Chr07	1566215	(C/T)
29731	CadSNP5326	<i>Desi</i>	Ca_Desig_Chr07	1577711	(T/C)
29732	CadSNP5327	<i>Desi</i>	Ca_Desig_Chr07	1594798	(G/A)
29733	CadSNP5328	<i>Desi</i>	Ca_Desig_Chr07	1594765	(T/A)
29734	CadSNP5329	<i>Desi</i>	Ca_Desig_Chr07	1594757	(C/T)
29735	CadSNP5330	<i>Desi</i>	Ca_Desig_Chr07	1594746	(C/T)
29736	CadSNP5331	<i>Desi</i>	Ca_Desig_Chr07	1594736	(C/T)
29737	CadSNP5332	<i>Desi</i>	Ca_Desig_Chr07	1619971	(T/C)
29738	CadSNP5333	<i>Desi</i>	Ca_Desig_Chr07	1619986	(A/T)
29739	CadSNP5334	<i>Desi</i>	Ca_Desig_Chr07	1631320	(G/A)
29740	CadSNP5335	<i>Desi</i>	Ca_Desig_Chr07	1631837	(C/T)
29741	CadSNP5336	<i>Desi</i>	Ca_Desig_Chr07	1631890	(C/T)
29742	CadSNP5337	<i>Desi</i>	Ca_Desig_Chr07	1631981	(T/C)
29743	CadSNP5338	<i>Desi</i>	Ca_Desig_Chr07	1631901	(G/C)
29744	CadSNP5339	<i>Desi</i>	Ca_Desig_Chr07	1634405	(T/C)
29745	CadSNP5340	<i>Desi</i>	Ca_Desig_Chr07	1634790	(G/A)
29746	CadSNP5341	<i>Desi</i>	Ca_Desig_Chr07	1635022	(G/A)
29747	CadSNP5342	<i>Desi</i>	Ca_Desig_Chr07	1668177	(T/C)
29748	CadSNP5343	<i>Desi</i>	Ca_Desig_Chr07	1740436	(G/A)
29749	CadSNP5344	<i>Desi</i>	Ca_Desig_Chr07	1740458	(A/G)
29750	CadSNP5345	<i>Desi</i>	Ca_Desig_Chr07	1744177	(C/T)
29751	CadSNP5346	<i>Desi</i>	Ca_Desig_Chr07	1756978	(A/G)
29752	CadSNP5347	<i>Desi</i>	Ca_Desig_Chr07	1763110	(C/T)
29753	CadSNP5348	<i>Desi</i>	Ca_Desig_Chr07	1763125	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29754	CadSNP5349	<i>Desi</i>	Ca_Desig_Chr07	1763146	(G/A)
29755	CadSNP5350	<i>Desi</i>	Ca_Desig_Chr07	1763149	(T/C)
29756	CadSNP5351	<i>Desi</i>	Ca_Desig_Chr07	1763162	(C/A)
29757	CadSNP5352	<i>Desi</i>	Ca_Desig_Chr07	1763170	(C/T)
29758	CadSNP5353	<i>Desi</i>	Ca_Desig_Chr07	1763172	(T/G)
29759	CadSNP5354	<i>Desi</i>	Ca_Desig_Chr07	1763185	(T/A)
29760	CadSNP5355	<i>Desi</i>	Ca_Desig_Chr07	1763235	(A/G)
29761	CadSNP5356	<i>Desi</i>	Ca_Desig_Chr07	1828924	(C/T)
29762	CadSNP5357	<i>Desi</i>	Ca_Desig_Chr07	1828930	(C/T)
29763	CadSNP5358	<i>Desi</i>	Ca_Desig_Chr07	1828976	(C/T)
29764	CadSNP5359	<i>Desi</i>	Ca_Desig_Chr07	1832837	(G/T)
29765	CadSNP5360	<i>Desi</i>	Ca_Desig_Chr07	1832836	(T/C)
29766	CadSNP5361	<i>Desi</i>	Ca_Desig_Chr07	1832832	(A/C)
29767	CadSNP5362	<i>Desi</i>	Ca_Desig_Chr07	1875145	(A/G)
29768	CadSNP5363	<i>Desi</i>	Ca_Desig_Chr07	1875262	(A/G)
29769	CadSNP5364	<i>Desi</i>	Ca_Desig_Chr07	1875215	(T/C)
29770	CadSNP5365	<i>Desi</i>	Ca_Desig_Chr07	1875372	(C/T)
29771	CadSNP5366	<i>Desi</i>	Ca_Desig_Chr07	1891663	(G/A)
29772	CadSNP5367	<i>Desi</i>	Ca_Desig_Chr07	1908424	(T/C)
29773	CadSNP5368	<i>Desi</i>	Ca_Desig_Chr07	1908420	(A/T)
29774	CadSNP5369	<i>Desi</i>	Ca_Desig_Chr07	1908411	(C/T)
29775	CadSNP5370	<i>Desi</i>	Ca_Desig_Chr07	1909090	(A/G)
29776	CadSNP5371	<i>Desi</i>	Ca_Desig_Chr07	1909135	(T/G)
29777	CadSNP5372	<i>Desi</i>	Ca_Desig_Chr07	1997429	(G/A)
29778	CadSNP5373	<i>Desi</i>	Ca_Desig_Chr07	2018132	(C/G)
29779	CadSNP5374	<i>Desi</i>	Ca_Desig_Chr07	2019098	(T/C)
29780	CadSNP5375	<i>Desi</i>	Ca_Desig_Chr07	2042866	(G/A)
29781	CadSNP5376	<i>Desi</i>	Ca_Desig_Chr07	2042901	(G/A)
29782	CadSNP5377	<i>Desi</i>	Ca_Desig_Chr07	2042915	(A/G)
29783	CadSNP5378	<i>Desi</i>	Ca_Desig_Chr07	2042936	(T/G)
29784	CadSNP5379	<i>Desi</i>	Ca_Desig_Chr07	2043017	(G/C)
29785	CadSNP5380	<i>Desi</i>	Ca_Desig_Chr07	2043058	(G/A)
29786	CadSNP5381	<i>Desi</i>	Ca_Desig_Chr07	2047543	(G/A)
29787	CadSNP5382	<i>Desi</i>	Ca_Desig_Chr07	2047564	(A/G)
29788	CadSNP5383	<i>Desi</i>	Ca_Desig_Chr07	2047588	(G/A)
29789	CadSNP5384	<i>Desi</i>	Ca_Desig_Chr07	2051063	(T/C)
29790	CadSNP5385	<i>Desi</i>	Ca_Desig_Chr07	2069964	(A/G)
29791	CadSNP5386	<i>Desi</i>	Ca_Desig_Chr07	2070162	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29792	CadSNP5387	<i>Desi</i>	Ca_Desig_Chr07	2127268	(G/A)
29793	CadSNP5388	<i>Desi</i>	Ca_Desig_Chr07	2127247	(G/T)
29794	CadSNP5389	<i>Desi</i>	Ca_Desig_Chr07	2127236	(C/T)
29795	CadSNP5390	<i>Desi</i>	Ca_Desig_Chr07	2196338	(T/C)
29796	CadSNP5391	<i>Desi</i>	Ca_Desig_Chr07	2196461	(C/A)
29797	CadSNP5392	<i>Desi</i>	Ca_Desig_Chr07	2196469	(G/A)
29798	CadSNP5393	<i>Desi</i>	Ca_Desig_Chr07	2196513	(C/G)
29799	CadSNP5394	<i>Desi</i>	Ca_Desig_Chr07	2196668	(G/C)
29800	CadSNP5395	<i>Desi</i>	Ca_Desig_Chr07	2212415	(G/T)
29801	CadSNP5396	<i>Desi</i>	Ca_Desig_Chr07	2226295	(A/G)
29802	CadSNP5397	<i>Desi</i>	Ca_Desig_Chr07	2295248	(T/C)
29803	CadSNP5398	<i>Desi</i>	Ca_Desig_Chr07	2295255	(T/G)
29804	CadSNP5399	<i>Desi</i>	Ca_Desig_Chr07	2295262	(T/C)
29805	CadSNP5400	<i>Desi</i>	Ca_Desig_Chr07	2374502	(G/A)
29806	CadSNP5401	<i>Desi</i>	Ca_Desig_Chr07	2391778	(T/G)
29807	CadSNP5402	<i>Desi</i>	Ca_Desig_Chr07	2541409	(G/C)
29808	CadSNP5403	<i>Desi</i>	Ca_Desig_Chr07	2541377	(G/A)
29809	CadSNP5404	<i>Desi</i>	Ca_Desig_Chr07	2541403	(A/G)
29810	CadSNP5405	<i>Desi</i>	Ca_Desig_Chr07	2541486	(T/G)
29811	CadSNP5406	<i>Desi</i>	Ca_Desig_Chr07	2642039	(T/C)
29812	CadSNP5407	<i>Desi</i>	Ca_Desig_Chr07	2642183	(T/C)
29813	CadSNP5408	<i>Desi</i>	Ca_Desig_Chr07	2642151	(T/C)
29814	CadSNP5409	<i>Desi</i>	Ca_Desig_Chr07	2675261	(C/T)
29815	CadSNP5410	<i>Desi</i>	Ca_Desig_Chr07	2677038	(T/A)
29816	CadSNP5411	<i>Desi</i>	Ca_Desig_Chr07	2683264	(T/C)
29817	CadSNP5412	<i>Desi</i>	Ca_Desig_Chr07	2697791	(C/T)
29818	CadSNP5413	<i>Desi</i>	Ca_Desig_Chr07	2697838	(C/T)
29819	CadSNP5414	<i>Desi</i>	Ca_Desig_Chr07	2705550	(A/G)
29820	CadSNP5415	<i>Desi</i>	Ca_Desig_Chr07	2705542	(A/C)
29821	CadSNP5416	<i>Desi</i>	Ca_Desig_Chr07	2707617	(A/C)
29822	CadSNP5417	<i>Desi</i>	Ca_Desig_Chr07	2734204	(T/C)
29823	CadSNP5418	<i>Desi</i>	Ca_Desig_Chr07	2754597	(C/T)
29824	CadSNP5419	<i>Desi</i>	Ca_Desig_Chr07	2889767	(G/A)
29825	CadSNP5420	<i>Desi</i>	Ca_Desig_Chr07	2895697	(T/G)
29826	CadSNP5421	<i>Desi</i>	Ca_Desig_Chr07	2895732	(G/A)
29827	CadSNP5422	<i>Desi</i>	Ca_Desig_Chr07	2895739	(A/G)
29828	CadSNP5423	<i>Desi</i>	Ca_Desig_Chr07	2944478	(G/A)
29829	CadSNP5424	<i>Desi</i>	Ca_Desig_Chr07	2952100	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29830	CadSNP5425	<i>Desi</i>	Ca_Desig_Chr07	2952135	(G/C)
29831	CadSNP5426	<i>Desi</i>	Ca_Desig_Chr07	2952140	(G/A)
29832	CadSNP5427	<i>Desi</i>	Ca_Desig_Chr07	2952185	(A/T)
29833	CadSNP5428	<i>Desi</i>	Ca_Desig_Chr07	2952174	(C/G)
29834	CadSNP5429	<i>Desi</i>	Ca_Desig_Chr07	3018239	(C/T)
29835	CadSNP5430	<i>Desi</i>	Ca_Desig_Chr07	3021483	(C/G)
29836	CadSNP5431	<i>Desi</i>	Ca_Desig_Chr07	3021608	(T/G)
29837	CadSNP5432	<i>Desi</i>	Ca_Desig_Chr07	3026817	(T/C)
29838	CadSNP5433	<i>Desi</i>	Ca_Desig_Chr07	3043905	(T/C)
29839	CadSNP5434	<i>Desi</i>	Ca_Desig_Chr07	3043956	(G/A)
29840	CadSNP5435	<i>Desi</i>	Ca_Desig_Chr07	3044006	(C/A)
29841	CadSNP5436	<i>Desi</i>	Ca_Desig_Chr07	3046607	(G/C)
29842	CadSNP5437	<i>Desi</i>	Ca_Desig_Chr07	3123543	(G/A)
29843	CadSNP5438	<i>Desi</i>	Ca_Desig_Chr07	3136837	(T/G)
29844	CadSNP5439	<i>Desi</i>	Ca_Desig_Chr07	3167742	(T/A)
29845	CadSNP5440	<i>Desi</i>	Ca_Desig_Chr07	3167835	(T/A)
29846	CadSNP5441	<i>Desi</i>	Ca_Desig_Chr07	3167846	(C/T)
29847	CadSNP5442	<i>Desi</i>	Ca_Desig_Chr07	3452752	(A/C)
29848	CadSNP5443	<i>Desi</i>	Ca_Desig_Chr07	3479869	(A/G)
29849	CadSNP5444	<i>Desi</i>	Ca_Desig_Chr07	3484976	(A/C)
29850	CadSNP5445	<i>Desi</i>	Ca_Desig_Chr07	3529309	(C/A)
29851	CadSNP5446	<i>Desi</i>	Ca_Desig_Chr07	3529310	(A/G)
29852	CadSNP5447	<i>Desi</i>	Ca_Desig_Chr07	3529311	(G/A)
29853	CadSNP5448	<i>Desi</i>	Ca_Desig_Chr07	3671126	(A/C)
29854	CadSNP5449	<i>Desi</i>	Ca_Desig_Chr07	3675434	(G/C)
29855	CadSNP5450	<i>Desi</i>	Ca_Desig_Chr07	3707082	(G/A)
29856	CadSNP5451	<i>Desi</i>	Ca_Desig_Chr07	3826701	(C/G)
29857	CadSNP5452	<i>Desi</i>	Ca_Desig_Chr07	3837049	(T/G)
29858	CadSNP5453	<i>Desi</i>	Ca_Desig_Chr07	3918621	(A/G)
29859	CadSNP5454	<i>Desi</i>	Ca_Desig_Chr07	4142638	(T/G)
29860	CadSNP5455	<i>Desi</i>	Ca_Desig_Chr07	4237004	(G/A)
29861	CadSNP5456	<i>Desi</i>	Ca_Desig_Chr07	4468480	(T/G)
29862	CadSNP5457	<i>Desi</i>	Ca_Desig_Chr07	4468472	(T/C)
29863	CadSNP5458	<i>Desi</i>	Ca_Desig_Chr07	4695102	(T/C)
29864	CadSNP5459	<i>Desi</i>	Ca_Desig_Chr07	4721475	(G/T)
29865	CadSNP5460	<i>Desi</i>	Ca_Desig_Chr07	4729300	(T/G)
29866	CadSNP5461	<i>Desi</i>	Ca_Desig_Chr07	4734272	(C/G)
29867	CadSNP5462	<i>Desi</i>	Ca_Desig_Chr07	4734309	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29868	CadSNP5463	<i>Desi</i>	Ca_Desig_Chr07	4997828	(C/A)
29869	CadSNP5464	<i>Desi</i>	Ca_Desig_Chr07	4997829	(A/G)
29870	CadSNP5465	<i>Desi</i>	Ca_Desig_Chr07	5032996	(A/G)
29871	CadSNP5466	<i>Desi</i>	Ca_Desig_Chr07	5032992	(T/G)
29872	CadSNP5467	<i>Desi</i>	Ca_Desig_Chr07	5032989	(A/G)
29873	CadSNP5468	<i>Desi</i>	Ca_Desig_Chr07	5097674	(T/C)
29874	CadSNP5469	<i>Desi</i>	Ca_Desig_Chr07	5137821	(C/T)
29875	CadSNP5470	<i>Desi</i>	Ca_Desig_Chr07	5138627	(G/A)
29876	CadSNP5471	<i>Desi</i>	Ca_Desig_Chr07	5230929	(A/G)
29877	CadSNP5472	<i>Desi</i>	Ca_Desig_Chr07	5230972	(A/C)
29878	CadSNP5473	<i>Desi</i>	Ca_Desig_Chr07	5231009	(A/G)
29879	CadSNP5474	<i>Desi</i>	Ca_Desig_Chr07	5291199	(T/C)
29880	CadSNP5475	<i>Desi</i>	Ca_Desig_Chr07	5298156	(A/G)
29881	CadSNP5476	<i>Desi</i>	Ca_Desig_Chr07	5332131	(G/A)
29882	CadSNP5477	<i>Desi</i>	Ca_Desig_Chr07	5332122	(G/A)
29883	CadSNP5478	<i>Desi</i>	Ca_Desig_Chr07	5332139	(C/A)
29884	CadSNP5479	<i>Desi</i>	Ca_Desig_Chr07	5545838	(C/T)
29885	CadSNP5480	<i>Desi</i>	Ca_Desig_Chr07	5602192	(A/T)
29886	CadSNP5481	<i>Desi</i>	Ca_Desig_Chr07	5617598	(C/G)
29887	CadSNP5482	<i>Desi</i>	Ca_Desig_Chr07	5617695	(T/G)
29888	CadSNP5483	<i>Desi</i>	Ca_Desig_Chr07	5645816	(T/G)
29889	CadSNP5484	<i>Desi</i>	Ca_Desig_Chr07	5750920	(A/T)
29890	CadSNP5485	<i>Desi</i>	Ca_Desig_Chr07	5826572	(A/C)
29891	CadSNP5486	<i>Desi</i>	Ca_Desig_Chr07	5882273	(T/C)
29892	CadSNP5487	<i>Desi</i>	Ca_Desig_Chr07	6048147	(A/C)
29893	CadSNP5488	<i>Desi</i>	Ca_Desig_Chr07	6074943	(A/C)
29894	CadSNP5489	<i>Desi</i>	Ca_Desig_Chr07	6093893	(A/C)
29895	CadSNP5490	<i>Desi</i>	Ca_Desig_Chr07	6099596	(T/C)
29896	CadSNP5491	<i>Desi</i>	Ca_Desig_Chr07	6136605	(C/T)
29897	CadSNP5492	<i>Desi</i>	Ca_Desig_Chr07	6179264	(G/A)
29898	CadSNP5493	<i>Desi</i>	Ca_Desig_Chr07	6179263	(A/C)
29899	CadSNP5494	<i>Desi</i>	Ca_Desig_Chr07	6252926	(A/C)
29900	CadSNP5495	<i>Desi</i>	Ca_Desig_Chr07	6252949	(C/G)
29901	CadSNP5496	<i>Desi</i>	Ca_Desig_Chr07	6252943	(G/A)
29902	CadSNP5497	<i>Desi</i>	Ca_Desig_Chr07	6252936	(T/C)
29903	CadSNP5498	<i>Desi</i>	Ca_Desig_Chr07	6268895	(C/T)
29904	CadSNP5499	<i>Desi</i>	Ca_Desig_Chr07	6268912	(T/G)
29905	CadSNP5500	<i>Desi</i>	Ca_Desig_Chr07	6271299	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29906	CadSNP5501	<i>Desi</i>	Ca_Desig_Chr07	6439959	(G/T)
29907	CadSNP5502	<i>Desi</i>	Ca_Desig_Chr07	6440584	(A/G)
29908	CadSNP5503	<i>Desi</i>	Ca_Desig_Chr07	6440597	(C/G)
29909	CadSNP5504	<i>Desi</i>	Ca_Desig_Chr07	6440788	(A/G)
29910	CadSNP5505	<i>Desi</i>	Ca_Desig_Chr07	6445037	(A/G)
29911	CadSNP5506	<i>Desi</i>	Ca_Desig_Chr07	6445017	(T/G)
29912	CadSNP5507	<i>Desi</i>	Ca_Desig_Chr07	6450307	(C/T)
29913	CadSNP5508	<i>Desi</i>	Ca_Desig_Chr07	6483346	(G/A)
29914	CadSNP5509	<i>Desi</i>	Ca_Desig_Chr07	6483685	(T/C)
29915	CadSNP5510	<i>Desi</i>	Ca_Desig_Chr07	6483766	(C/A)
29916	CadSNP5511	<i>Desi</i>	Ca_Desig_Chr07	6529361	(G/C)
29917	CadSNP5512	<i>Desi</i>	Ca_Desig_Chr07	6529592	(G/T)
29918	CadSNP5513	<i>Desi</i>	Ca_Desig_Chr07	6537139	(T/C)
29919	CadSNP5514	<i>Desi</i>	Ca_Desig_Chr07	6537137	(G/A)
29920	CadSNP5515	<i>Desi</i>	Ca_Desig_Chr07	6566463	(T/G)
29921	CadSNP5516	<i>Desi</i>	Ca_Desig_Chr07	6589064	(A/T)
29922	CadSNP5517	<i>Desi</i>	Ca_Desig_Chr07	6589082	(C/A)
29923	CadSNP5518	<i>Desi</i>	Ca_Desig_Chr07	6605172	(T/C)
29924	CadSNP5519	<i>Desi</i>	Ca_Desig_Chr07	6622242	(C/T)
29925	CadSNP5520	<i>Desi</i>	Ca_Desig_Chr07	6627866	(C/T)
29926	CadSNP5521	<i>Desi</i>	Ca_Desig_Chr07	6672779	(T/C)
29927	CadSNP5522	<i>Desi</i>	Ca_Desig_Chr07	6753515	(T/C)
29928	CadSNP5523	<i>Desi</i>	Ca_Desig_Chr07	6803779	(G/A)
29929	CadSNP5524	<i>Desi</i>	Ca_Desig_Chr07	6803780	(C/A)
29930	CadSNP5525	<i>Desi</i>	Ca_Desig_Chr07	6841045	(G/A)
29931	CadSNP5526	<i>Desi</i>	Ca_Desig_Chr07	6841069	(A/T)
29932	CadSNP5527	<i>Desi</i>	Ca_Desig_Chr07	6861317	(C/G)
29933	CadSNP5528	<i>Desi</i>	Ca_Desig_Chr07	6861431	(A/C)
29934	CadSNP5529	<i>Desi</i>	Ca_Desig_Chr07	6950249	(G/A)
29935	CadSNP5530	<i>Desi</i>	Ca_Desig_Chr07	6950294	(C/T)
29936	CadSNP5531	<i>Desi</i>	Ca_Desig_Chr07	6950285	(A/C)
29937	CadSNP5532	<i>Desi</i>	Ca_Desig_Chr07	7017825	(G/A)
29938	CadSNP5533	<i>Desi</i>	Ca_Desig_Chr07	7072321	(T/C)
29939	CadSNP5534	<i>Desi</i>	Ca_Desig_Chr07	7089782	(T/C)
29940	CadSNP5535	<i>Desi</i>	Ca_Desig_Chr07	7182637	(C/G)
29941	CadSNP5536	<i>Desi</i>	Ca_Desig_Chr07	7182635	(A/C)
29942	CadSNP5537	<i>Desi</i>	Ca_Desig_Chr07	7182630	(C/T)
29943	CadSNP5538	<i>Desi</i>	Ca_Desig_Chr07	7182626	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29944	CadSNP5539	<i>Desi</i>	Ca_Desig_Chr07	7182623	(A/G)
29945	CadSNP5540	<i>Desi</i>	Ca_Desig_Chr07	7182620	(C/T)
29946	CadSNP5541	<i>Desi</i>	Ca_Desig_Chr07	7182593	(A/G)
29947	CadSNP5542	<i>Desi</i>	Ca_Desig_Chr07	7182652	(C/A)
29948	CadSNP5543	<i>Desi</i>	Ca_Desig_Chr07	7214101	(G/A)
29949	CadSNP5544	<i>Desi</i>	Ca_Desig_Chr07	7229452	(A/C)
29950	CadSNP5545	<i>Desi</i>	Ca_Desig_Chr07	7229513	(A/G)
29951	CadSNP5546	<i>Desi</i>	Ca_Desig_Chr07	7233251	(G/A)
29952	CadSNP5547	<i>Desi</i>	Ca_Desig_Chr07	7233276	(C/A)
29953	CadSNP5548	<i>Desi</i>	Ca_Desig_Chr07	7233247	(C/T)
29954	CadSNP5549	<i>Desi</i>	Ca_Desig_Chr07	7234465	(C/T)
29955	CadSNP5550	<i>Desi</i>	Ca_Desig_Chr07	7266190	(G/T)
29956	CadSNP5551	<i>Desi</i>	Ca_Desig_Chr07	7266216	(C/A)
29957	CadSNP5552	<i>Desi</i>	Ca_Desig_Chr07	7351143	(T/C)
29958	CadSNP5553	<i>Desi</i>	Ca_Desig_Chr07	7351130	(A/G)
29959	CadSNP5554	<i>Desi</i>	Ca_Desig_Chr07	7427278	(A/G)
29960	CadSNP5555	<i>Desi</i>	Ca_Desig_Chr07	7497869	(G/A)
29961	CadSNP5556	<i>Desi</i>	Ca_Desig_Chr07	7497859	(A/G)
29962	CadSNP5557	<i>Desi</i>	Ca_Desig_Chr07	7497855	(G/C)
29963	CadSNP5558	<i>Desi</i>	Ca_Desig_Chr07	7557040	(A/G)
29964	CadSNP5559	<i>Desi</i>	Ca_Desig_Chr07	7557038	(A/G)
29965	CadSNP5560	<i>Desi</i>	Ca_Desig_Chr07	7556970	(C/G)
29966	CadSNP5561	<i>Desi</i>	Ca_Desig_Chr07	7687656	(C/T)
29967	CadSNP5562	<i>Desi</i>	Ca_Desig_Chr07	7687649	(C/T)
29968	CadSNP5563	<i>Desi</i>	Ca_Desig_Chr07	7688659	(T/A)
29969	CadSNP5564	<i>Desi</i>	Ca_Desig_Chr07	7750219	(A/G)
29970	CadSNP5565	<i>Desi</i>	Ca_Desig_Chr07	7750971	(T/G)
29971	CadSNP5566	<i>Desi</i>	Ca_Desig_Chr07	7796833	(T/A)
29972	CadSNP5567	<i>Desi</i>	Ca_Desig_Chr07	7796875	(C/T)
29973	CadSNP5568	<i>Desi</i>	Ca_Desig_Chr07	7796940	(A/G)
29974	CadSNP5569	<i>Desi</i>	Ca_Desig_Chr07	7796939	(C/A)
29975	CadSNP5570	<i>Desi</i>	Ca_Desig_Chr07	7869802	(G/T)
29976	CadSNP5571	<i>Desi</i>	Ca_Desig_Chr07	7895128	(G/C)
29977	CadSNP5572	<i>Desi</i>	Ca_Desig_Chr07	7895094	(C/A)
29978	CadSNP5573	<i>Desi</i>	Ca_Desig_Chr07	7895789	(A/C)
29979	CadSNP5574	<i>Desi</i>	Ca_Desig_Chr07	7945573	(G/A)
29980	CadSNP5575	<i>Desi</i>	Ca_Desig_Chr07	8015487	(C/G)
29981	CadSNP5576	<i>Desi</i>	Ca_Desig_Chr07	8021380	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
29982	CadSNP5577	<i>Desi</i>	Ca_Desig_Chr07	8021391	(T/A)
29983	CadSNP5578	<i>Desi</i>	Ca_Desig_Chr07	8097449	(C/A)
29984	CadSNP5579	<i>Desi</i>	Ca_Desig_Chr07	8097508	(A/G)
29985	CadSNP5580	<i>Desi</i>	Ca_Desig_Chr07	8113326	(C/A)
29986	CadSNP5581	<i>Desi</i>	Ca_Desig_Chr07	8180365	(G/A)
29987	CadSNP5582	<i>Desi</i>	Ca_Desig_Chr07	8187265	(C/T)
29988	CadSNP5583	<i>Desi</i>	Ca_Desig_Chr07	8209334	(G/T)
29989	CadSNP5584	<i>Desi</i>	Ca_Desig_Chr07	8387061	(G/T)
29990	CadSNP5585	<i>Desi</i>	Ca_Desig_Chr07	8387457	(T/C)
29991	CadSNP5586	<i>Desi</i>	Ca_Desig_Chr07	8454842	(C/A)
29992	CadSNP5587	<i>Desi</i>	Ca_Desig_Chr08	69384	(G/A)
29993	CadSNP5588	<i>Desi</i>	Ca_Desig_Chr08	147015	(G/A)
29994	CadSNP5589	<i>Desi</i>	Ca_Desig_Chr08	201422	(T/C)
29995	CadSNP5590	<i>Desi</i>	Ca_Desig_Chr08	201411	(C/A)
29996	CadSNP5591	<i>Desi</i>	Ca_Desig_Chr08	201850	(G/C)
29997	CadSNP5592	<i>Desi</i>	Ca_Desig_Chr08	202036	(T/G)
29998	CadSNP5593	<i>Desi</i>	Ca_Desig_Chr08	202026	(C/G)
29999	CadSNP5594	<i>Desi</i>	Ca_Desig_Chr08	201989	(G/A)
30000	CadSNP5595	<i>Desi</i>	Ca_Desig_Chr08	225584	(G/A)
30001	CadSNP5596	<i>Desi</i>	Ca_Desig_Chr08	225750	(A/G)
30002	CadSNP5597	<i>Desi</i>	Ca_Desig_Chr08	229536	(G/A)
30003	CadSNP5598	<i>Desi</i>	Ca_Desig_Chr08	230236	(C/G)
30004	CadSNP5599	<i>Desi</i>	Ca_Desig_Chr08	252774	(A/C)
30005	CadSNP5600	<i>Desi</i>	Ca_Desig_Chr08	276987	(T/G)
30006	CadSNP5601	<i>Desi</i>	Ca_Desig_Chr08	276998	(C/G)
30007	CadSNP5602	<i>Desi</i>	Ca_Desig_Chr08	277000	(A/T)
30008	CadSNP5603	<i>Desi</i>	Ca_Desig_Chr08	277065	(C/T)
30009	CadSNP5604	<i>Desi</i>	Ca_Desig_Chr08	277031	(G/T)
30010	CadSNP5605	<i>Desi</i>	Ca_Desig_Chr08	289051	(T/G)
30011	CadSNP5606	<i>Desi</i>	Ca_Desig_Chr08	289046	(G/C)
30012	CadSNP5607	<i>Desi</i>	Ca_Desig_Chr08	289045	(T/G)
30013	CadSNP5608	<i>Desi</i>	Ca_Desig_Chr08	289170	(C/A)
30014	CadSNP5609	<i>Desi</i>	Ca_Desig_Chr08	289210	(A/G)
30015	CadSNP5610	<i>Desi</i>	Ca_Desig_Chr08	332292	(T/C)
30016	CadSNP5611	<i>Desi</i>	Ca_Desig_Chr08	332316	(C/A)
30017	CadSNP5612	<i>Desi</i>	Ca_Desig_Chr08	344231	(A/C)
30018	CadSNP5613	<i>Desi</i>	Ca_Desig_Chr08	344210	(A/G)
30019	CadSNP5614	<i>Desi</i>	Ca_Desig_Chr08	344221	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30020	CadSNP5615	<i>Desi</i>	Ca_Desig_Chr08	344233	(A/C)
30021	CadSNP5616	<i>Desi</i>	Ca_Desig_Chr08	344237	(G/A)
30022	CadSNP5617	<i>Desi</i>	Ca_Desig_Chr08	344964	(C/G)
30023	CadSNP5618	<i>Desi</i>	Ca_Desig_Chr08	355826	(T/C)
30024	CadSNP5619	<i>Desi</i>	Ca_Desig_Chr08	355898	(T/A)
30025	CadSNP5620	<i>Desi</i>	Ca_Desig_Chr08	355890	(T/A)
30026	CadSNP5621	<i>Desi</i>	Ca_Desig_Chr08	355889	(G/A)
30027	CadSNP5622	<i>Desi</i>	Ca_Desig_Chr08	355884	(T/A)
30028	CadSNP5623	<i>Desi</i>	Ca_Desig_Chr08	355882	(C/A)
30029	CadSNP5624	<i>Desi</i>	Ca_Desig_Chr08	355989	(A/C)
30030	CadSNP5625	<i>Desi</i>	Ca_Desig_Chr08	371615	(T/G)
30031	CadSNP5626	<i>Desi</i>	Ca_Desig_Chr08	371628	(A/T)
30032	CadSNP5627	<i>Desi</i>	Ca_Desig_Chr08	371661	(A/T)
30033	CadSNP5628	<i>Desi</i>	Ca_Desig_Chr08	372231	(A/T)
30034	CadSNP5629	<i>Desi</i>	Ca_Desig_Chr08	372419	(A/G)
30035	CadSNP5630	<i>Desi</i>	Ca_Desig_Chr08	397389	(C/T)
30036	CadSNP5631	<i>Desi</i>	Ca_Desig_Chr08	422127	(T/A)
30037	CadSNP5632	<i>Desi</i>	Ca_Desig_Chr08	427213	(G/T)
30038	CadSNP5633	<i>Desi</i>	Ca_Desig_Chr08	427216	(G/T)
30039	CadSNP5634	<i>Desi</i>	Ca_Desig_Chr08	427219	(A/G)
30040	CadSNP5635	<i>Desi</i>	Ca_Desig_Chr08	509850	(A/T)
30041	CadSNP5636	<i>Desi</i>	Ca_Desig_Chr08	517193	(G/A)
30042	CadSNP5637	<i>Desi</i>	Ca_Desig_Chr08	574778	(T/G)
30043	CadSNP5638	<i>Desi</i>	Ca_Desig_Chr08	574868	(C/T)
30044	CadSNP5639	<i>Desi</i>	Ca_Desig_Chr08	574898	(G/A)
30045	CadSNP5640	<i>Desi</i>	Ca_Desig_Chr08	574899	(A/G)
30046	CadSNP5641	<i>Desi</i>	Ca_Desig_Chr08	598190	(G/A)
30047	CadSNP5642	<i>Desi</i>	Ca_Desig_Chr08	598329	(C/T)
30048	CadSNP5643	<i>Desi</i>	Ca_Desig_Chr08	598338	(A/G)
30049	CadSNP5644	<i>Desi</i>	Ca_Desig_Chr08	598341	(A/T)
30050	CadSNP5645	<i>Desi</i>	Ca_Desig_Chr08	598344	(C/T)
30051	CadSNP5646	<i>Desi</i>	Ca_Desig_Chr08	598350	(C/T)
30052	CadSNP5647	<i>Desi</i>	Ca_Desig_Chr08	598356	(A/T)
30053	CadSNP5648	<i>Desi</i>	Ca_Desig_Chr08	598365	(A/G)
30054	CadSNP5649	<i>Desi</i>	Ca_Desig_Chr08	598371	(C/T)
30055	CadSNP5650	<i>Desi</i>	Ca_Desig_Chr08	598377	(A/G)
30056	CadSNP5651	<i>Desi</i>	Ca_Desig_Chr08	598378	(A/T)
30057	CadSNP5652	<i>Desi</i>	Ca_Desig_Chr08	598380	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30058	CadSNP5653	<i>Desi</i>	Ca_Desig_Chr08	598383	(C/T)
30059	CadSNP5654	<i>Desi</i>	Ca_Desig_Chr08	598386	(C/T)
30060	CadSNP5655	<i>Desi</i>	Ca_Desig_Chr08	598388	(C/G)
30061	CadSNP5656	<i>Desi</i>	Ca_Desig_Chr08	598389	(A/C)
30062	CadSNP5657	<i>Desi</i>	Ca_Desig_Chr08	598419	(G/A)
30063	CadSNP5658	<i>Desi</i>	Ca_Desig_Chr08	598416	(T/C)
30064	CadSNP5659	<i>Desi</i>	Ca_Desig_Chr08	598413	(T/C)
30065	CadSNP5660	<i>Desi</i>	Ca_Desig_Chr08	611284	(T/C)
30066	CadSNP5661	<i>Desi</i>	Ca_Desig_Chr08	752338	(A/G)
30067	CadSNP5662	<i>Desi</i>	Ca_Desig_Chr08	758789	(C/A)
30068	CadSNP5663	<i>Desi</i>	Ca_Desig_Chr08	758788	(C/T)
30069	CadSNP5664	<i>Desi</i>	Ca_Desig_Chr08	760783	(T/A)
30070	CadSNP5665	<i>Desi</i>	Ca_Desig_Chr08	863217	(G/A)
30071	CadSNP5666	<i>Desi</i>	Ca_Desig_Chr08	866726	(G/A)
30072	CadSNP5667	<i>Desi</i>	Ca_Desig_Chr08	868822	(C/T)
30073	CadSNP5668	<i>Desi</i>	Ca_Desig_Chr08	914590	(G/T)
30074	CadSNP5669	<i>Desi</i>	Ca_Desig_Chr08	984830	(A/C)
30075	CadSNP5670	<i>Desi</i>	Ca_Desig_Chr08	984931	(T/A)
30076	CadSNP5671	<i>Desi</i>	Ca_Desig_Chr08	984921	(C/A)
30077	CadSNP5672	<i>Desi</i>	Ca_Desig_Chr08	985172	(G/A)
30078	CadSNP5673	<i>Desi</i>	Ca_Desig_Chr08	1041386	(G/C)
30079	CadSNP5674	<i>Desi</i>	Ca_Desig_Chr08	1346520	(A/G)
30080	CadSNP5675	<i>Desi</i>	Ca_Desig_Chr08	1352205	(G/A)
30081	CadSNP5676	<i>Desi</i>	Ca_Desig_Chr08	1365871	(G/T)
30082	CadSNP5677	<i>Desi</i>	Ca_Desig_Chr08	1365903	(A/G)
30083	CadSNP5678	<i>Desi</i>	Ca_Desig_Chr08	1391479	(A/T)
30084	CadSNP5679	<i>Desi</i>	Ca_Desig_Chr08	1391494	(T/C)
30085	CadSNP5680	<i>Desi</i>	Ca_Desig_Chr08	1391517	(T/A)
30086	CadSNP5681	<i>Desi</i>	Ca_Desig_Chr08	1399554	(A/T)
30087	CadSNP5682	<i>Desi</i>	Ca_Desig_Chr08	1399603	(C/A)
30088	CadSNP5683	<i>Desi</i>	Ca_Desig_Chr08	1428402	(T/C)
30089	CadSNP5684	<i>Desi</i>	Ca_Desig_Chr08	1430662	(G/A)
30090	CadSNP5685	<i>Desi</i>	Ca_Desig_Chr08	1431902	(A/G)
30091	CadSNP5686	<i>Desi</i>	Ca_Desig_Chr08	1450166	(C/T)
30092	CadSNP5687	<i>Desi</i>	Ca_Desig_Chr08	1450329	(C/T)
30093	CadSNP5688	<i>Desi</i>	Ca_Desig_Chr08	1458106	(A/G)
30094	CadSNP5689	<i>Desi</i>	Ca_Desig_Chr08	1474737	(G/A)
30095	CadSNP5690	<i>Desi</i>	Ca_Desig_Chr08	1474824	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30096	CadSNP5691	<i>Desi</i>	Ca_Desig_Chr08	1475095	(A/C)
30097	CadSNP5692	<i>Desi</i>	Ca_Desig_Chr08	1557073	(T/A)
30098	CadSNP5693	<i>Desi</i>	Ca_Desig_Chr08	1575135	(G/T)
30099	CadSNP5694	<i>Desi</i>	Ca_Desig_Chr08	1577080	(G/A)
30100	CadSNP5695	<i>Desi</i>	Ca_Desig_Chr08	1577795	(C/T)
30101	CadSNP5696	<i>Desi</i>	Ca_Desig_Chr08	1577778	(T/C)
30102	CadSNP5697	<i>Desi</i>	Ca_Desig_Chr08	3412279	(A/G)
30103	CadSNP5698	<i>Desi</i>	Ca_Desig_Chr08	3444004	(G/A)
30104	CadSNP5699	<i>Desi</i>	Ca_Desig_Chr08	3444121	(G/T)
30105	CadSNP5700	<i>Desi</i>	Ca_Desig_Chr08	3461595	(A/G)
30106	CadSNP5701	<i>Desi</i>	Ca_Desig_Chr08	3495408	(G/T)
30107	CadSNP5702	<i>Desi</i>	Ca_Desig_Chr08	3497466	(C/T)
30108	CadSNP5703	<i>Desi</i>	Ca_Desig_Chr08	3499998	(A/G)
30109	CadSNP5704	<i>Desi</i>	Ca_Desig_Chr08	3500134	(A/G)
30110	CadSNP5705	<i>Desi</i>	Ca_Desig_Chr08	3500770	(G/A)
30111	CadSNP5706	<i>Desi</i>	Ca_Desig_Chr08	3501823	(G/A)
30112	CadSNP5707	<i>Desi</i>	Ca_Desig_Chr08	3568943	(A/T)
30113	CadSNP5708	<i>Desi</i>	Ca_Desig_Chr08	3568930	(G/A)
30114	CadSNP5709	<i>Desi</i>	Ca_Desig_Chr08	3583414	(T/C)
30115	CadSNP5710	<i>Desi</i>	Ca_Desig_Chr08	3614642	(T/C)
30116	CadSNP5711	<i>Desi</i>	Ca_Desig_Chr08	3643104	(G/A)
30117	CadSNP5712	<i>Desi</i>	Ca_Desig_Chr08	3643216	(A/C)
30118	CadSNP5713	<i>Desi</i>	Ca_Desig_Chr08	3656251	(G/A)
30119	CadSNP5714	<i>Desi</i>	Ca_Desig_Chr08	3657713	(A/G)
30120	CadSNP5715	<i>Desi</i>	Ca_Desig_Chr08	3657904	(A/C)
30121	CadSNP5716	<i>Desi</i>	Ca_Desig_Chr08	3659352	(A/G)
30122	CadSNP5717	<i>Desi</i>	Ca_Desig_Chr08	3659459	(G/A)
30123	CadSNP5718	<i>Desi</i>	Ca_Desig_Chr08	3659394	(C/A)
30124	CadSNP5719	<i>Desi</i>	Ca_Desig_Chr08	3672982	(C/T)
30125	CadSNP5720	<i>Desi</i>	Ca_Desig_Chr08	3673021	(T/C)
30126	CadSNP5721	<i>Desi</i>	Ca_Desig_Chr08	3680541	(A/G)
30127	CadSNP5722	<i>Desi</i>	Ca_Desig_Chr08	3680544	(T/C)
30128	CadSNP5723	<i>Desi</i>	Ca_Desig_Chr08	3695139	(C/T)
30129	CadSNP5724	<i>Desi</i>	Ca_Desig_Chr08	3697176	(G/A)
30130	CadSNP5725	<i>Desi</i>	Ca_Desig_Chr08	3697244	(C/T)
30131	CadSNP5726	<i>Desi</i>	Ca_Desig_Chr08	3709956	(T/C)
30132	CadSNP5727	<i>Desi</i>	Ca_Desig_Chr08	3718115	(G/A)
30133	CadSNP5728	<i>Desi</i>	Ca_Desig_Chr08	3741971	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30134	CadSNP5729	<i>Desi</i>	Ca_Desig_Chr08	3741978	(T/G)
30135	CadSNP5730	<i>Desi</i>	Ca_Desig_Chr08	3742011	(T/C)
30136	CadSNP5731	<i>Desi</i>	Ca_Desig_Chr08	3742012	(C/T)
30137	CadSNP5732	<i>Desi</i>	Ca_Desig_Chr08	3742132	(A/C)
30138	CadSNP5733	<i>Desi</i>	Ca_Desig_Chr08	3769184	(G/A)
30139	CadSNP5734	<i>Desi</i>	Ca_Desig_Chr08	3789039	(T/C)
30140	CadSNP5735	<i>Desi</i>	Ca_Desig_Chr08	3793465	(G/T)
30141	CadSNP5736	<i>Desi</i>	Ca_Desig_Chr08	3804401	(G/C)
30142	CadSNP5737	<i>Desi</i>	Ca_Desig_Chr08	3810941	(T/C)
30143	CadSNP5738	<i>Desi</i>	Ca_Desig_Chr08	3810985	(G/A)
30144	CadSNP5739	<i>Desi</i>	Ca_Desig_Chr08	3877026	(T/A)
30145	CadSNP5740	<i>Desi</i>	Ca_Desig_Chr08	3881760	(T/C)
30146	CadSNP5741	<i>Desi</i>	Ca_Desig_Chr08	3897883	(G/A)
30147	CadSNP5742	<i>Desi</i>	Ca_Desig_Chr08	3897848	(G/C)
30148	CadSNP5743	<i>Desi</i>	Ca_Desig_Chr08	3939089	(T/C)
30149	CadSNP5744	<i>Desi</i>	Ca_Desig_Chr08	3939062	(G/A)
30150	CadSNP5745	<i>Desi</i>	Ca_Desig_Chr08	3939040	(C/A)
30151	CadSNP5746	<i>Desi</i>	Ca_Desig_Chr08	3940090	(A/G)
30152	CadSNP5747	<i>Desi</i>	Ca_Desig_Chr08	3940158	(A/G)
30153	CadSNP5748	<i>Desi</i>	Ca_Desig_Chr08	3945088	(T/A)
30154	CadSNP5749	<i>Desi</i>	Ca_Desig_Chr08	3957633	(A/G)
30155	CadSNP5750	<i>Desi</i>	Ca_Desig_Chr08	3960575	(T/G)
30156	CadSNP5751	<i>Desi</i>	Ca_Desig_Chr08	3960582	(G/T)
30157	CadSNP5752	<i>Desi</i>	Ca_Desig_Chr08	3960598	(T/C)
30158	CadSNP5753	<i>Desi</i>	Ca_Desig_Chr08	3972778	(C/T)
30159	CadSNP5754	<i>Desi</i>	Ca_Desig_Chr08	3986516	(A/T)
30160	CadSNP5755	<i>Desi</i>	Ca_Desig_Chr08	3989301	(A/C)
30161	CadSNP5756	<i>Desi</i>	Ca_Desig_Chr08	3989306	(G/A)
30162	CadSNP5757	<i>Desi</i>	Ca_Desig_Chr08	3989344	(G/A)
30163	CadSNP5758	<i>Desi</i>	Ca_Desig_Chr08	3999654	(C/T)
30164	CadSNP5759	<i>Desi</i>	Ca_Desig_Chr08	4002796	(G/A)
30165	CadSNP5760	<i>Desi</i>	Ca_Desig_Chr08	4060900	(A/C)
30166	CadSNP5761	<i>Desi</i>	Ca_Desig_Chr08	4068970	(T/C)
30167	CadSNP5762	<i>Desi</i>	Ca_Desig_Chr08	4090866	(G/A)
30168	CadSNP5763	<i>Desi</i>	Ca_Desig_Chr08	4126353	(C/T)
30169	CadSNP5764	<i>Desi</i>	Ca_Desig_Chr08	4126424	(T/C)
30170	CadSNP5765	<i>Desi</i>	Ca_Desig_Chr08	4146665	(C/A)
30171	CadSNP5766	<i>Desi</i>	Ca_Desig_Chr08	4146618	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30172	CadSNP5767	<i>Desi</i>	Ca_Desig_Chr08	4146608	(A/G)
30173	CadSNP5768	<i>Desi</i>	Ca_Desig_Chr08	4149441	(T/G)
30174	CadSNP5769	<i>Desi</i>	Ca_Desig_Chr08	4197700	(A/G)
30175	CadSNP5770	<i>Desi</i>	Ca_Desig_Chr08	4208175	(T/G)
30176	CadSNP5771	<i>Desi</i>	Ca_Desig_Chr08	4208169	(T/G)
30177	CadSNP5772	<i>Desi</i>	Ca_Desig_Chr08	4208163	(T/A)
30178	CadSNP5773	<i>Desi</i>	Ca_Desig_Chr08	4208157	(A/G)
30179	CadSNP5774	<i>Desi</i>	Ca_Desig_Chr08	4208155	(G/A)
30180	CadSNP5775	<i>Desi</i>	Ca_Desig_Chr08	4271502	(G/T)
30181	CadSNP5776	<i>Desi</i>	Ca_Desig_Chr08	4300014	(A/C)
30182	CadSNP5777	<i>Desi</i>	Ca_Desig_Chr08	4310627	(C/T)
30183	CadSNP5778	<i>Desi</i>	Ca_Desig_Chr08	4310667	(A/C)
30184	CadSNP5779	<i>Desi</i>	Ca_Desig_Chr08	4357190	(G/A)
30185	CadSNP5780	<i>Desi</i>	Ca_Desig_Chr08	4357364	(C/G)
30186	CadSNP5781	<i>Desi</i>	Ca_Desig_Chr08	4358387	(A/T)
30187	CadSNP5782	<i>Desi</i>	Ca_Desig_Chr08	4358388	(T/A)
30188	CadSNP5783	<i>Desi</i>	Ca_Desig_Chr08	4358499	(C/T)
30189	CadSNP5784	<i>Desi</i>	Ca_Desig_Chr08	4358491	(G/T)
30190	CadSNP5785	<i>Desi</i>	Ca_Desig_Chr08	4358460	(G/A)
30191	CadSNP5786	<i>Desi</i>	Ca_Desig_Chr08	4391061	(G/A)
30192	CadSNP5787	<i>Desi</i>	Ca_Desig_Chr08	4409441	(T/G)
30193	CadSNP5788	<i>Desi</i>	Ca_Desig_Chr08	4535097	(A/G)
30194	CadSNP5789	<i>Desi</i>	Ca_Desig_Chr08	4535212	(T/C)
30195	CadSNP5790	<i>Desi</i>	Ca_Desig_Chr08	4542888	(A/G)
30196	CadSNP5791	<i>Desi</i>	Ca_Desig_Chr08	4559055	(T/C)
30197	CadSNP5792	<i>Desi</i>	Ca_Desig_Chr08	4566000	(A/C)
30198	CadSNP5793	<i>Desi</i>	Ca_Desig_Chr08	4574072	(C/G)
30199	CadSNP5794	<i>Desi</i>	Ca_Desig_Chr08	4593500	(G/A)
30200	CadSNP5795	<i>Desi</i>	Ca_Desig_Chr08	4593950	(G/T)
30201	CadSNP5796	<i>Desi</i>	Ca_Desig_Chr08	4593952	(A/G)
30202	CadSNP5797	<i>Desi</i>	Ca_Desig_Chr08	4600461	(C/T)
30203	CadSNP5798	<i>Desi</i>	Ca_Desig_Chr08	4623057	(T/C)
30204	CadSNP5799	<i>Desi</i>	Ca_Desig_Chr08	4623068	(A/C)
30205	CadSNP5800	<i>Desi</i>	Ca_Desig_Chr08	4628096	(A/G)
30206	CadSNP5801	<i>Desi</i>	Ca_Desig_Chr08	4650662	(T/C)
30207	CadSNP5802	<i>Desi</i>	Ca_Desig_Chr08	4670708	(G/A)
30208	CadSNP5803	<i>Desi</i>	Ca_Desig_Chr08	4722955	(C/T)
30209	CadSNP5804	<i>Desi</i>	Ca_Desig_Chr08	4745537	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30210	CadSNP5805	<i>Desi</i>	Ca_Desig_Chr08	4745665	(T/A)
30211	CadSNP5806	<i>Desi</i>	Ca_Desig_Chr08	4745645	(A/T)
30212	CadSNP5807	<i>Desi</i>	Ca_Desig_Chr08	4745630	(G/A)
30213	CadSNP5808	<i>Desi</i>	Ca_Desig_Chr08	4746255	(A/G)
30214	CadSNP5809	<i>Desi</i>	Ca_Desig_Chr08	4748899	(T/C)
30215	CadSNP5810	<i>Desi</i>	Ca_Desig_Chr08	4749051	(G/A)
30216	CadSNP5811	<i>Desi</i>	Ca_Desig_Chr08	4750203	(A/C)
30217	CadSNP5812	<i>Desi</i>	Ca_Desig_Chr08	4796889	(C/A)
30218	CadSNP5813	<i>Desi</i>	Ca_Desig_Chr08	4845385	(T/G)
30219	CadSNP5814	<i>Desi</i>	Ca_Desig_Chr08	4848732	(G/C)
30220	CadSNP5815	<i>Desi</i>	Ca_Desig_Chr08	4848665	(T/G)
30221	CadSNP5816	<i>Desi</i>	Ca_Desig_Chr08	4852116	(G/A)
30222	CadSNP5817	<i>Desi</i>	Ca_Desig_Chr08	4929357	(A/G)
30223	CadSNP5818	<i>Desi</i>	Ca_Desig_Chr08	4930541	(G/T)
30224	CadSNP5819	<i>Desi</i>	Ca_Desig_Chr08	4948604	(T/G)
30225	CadSNP5820	<i>Desi</i>	Ca_Desig_Chr08	4948624	(T/C)
30226	CadSNP5821	<i>Desi</i>	Ca_Desig_Chr08	5022229	(A/T)
30227	CadSNP5822	<i>Desi</i>	Ca_Desig_Chr08	5037591	(A/G)
30228	CadSNP5823	<i>Desi</i>	Ca_Desig_Chr08	5037646	(G/C)
30229	CadSNP5824	<i>Desi</i>	Ca_Desig_Chr08	5040486	(C/G)
30230	CadSNP5825	<i>Desi</i>	Ca_Desig_Chr08	5120245	(C/G)
30231	CadSNP5826	<i>Desi</i>	Ca_Desig_Chr08	5151607	(C/A)
30232	CadSNP5827	<i>Desi</i>	Ca_Desig_Chr08	5151645	(A/G)
30233	CadSNP5828	<i>Desi</i>	Ca_Desig_Chr08	5151804	(C/A)
30234	CadSNP5829	<i>Desi</i>	Ca_Desig_Chr08	5159313	(T/G)
30235	CadSNP5830	<i>Desi</i>	Ca_Desig_Chr08	5174508	(A/C)
30236	CadSNP5831	<i>Desi</i>	Ca_Desig_Chr08	5174762	(A/G)
30237	CadSNP5832	<i>Desi</i>	Ca_Desig_Chr08	5205685	(A/C)
30238	CadSNP5833	<i>Desi</i>	Ca_Desig_Chr08	5208171	(C/A)
30239	CadSNP5834	<i>Desi</i>	Ca_Desig_Chr08	5271323	(C/A)
30240	CadSNP5835	<i>Desi</i>	Ca_Desig_Chr08	5271413	(G/A)
30241	CadSNP5836	<i>Desi</i>	Ca_Desig_Chr08	5292675	(C/A)
30242	CadSNP5837	<i>Desi</i>	Ca_Desig_Chr08	5292676	(T/C)
30243	CadSNP5838	<i>Desi</i>	Ca_Desig_Chr08	5292677	(C/A)
30244	CadSNP5839	<i>Desi</i>	Ca_Desig_Chr08	5292682	(A/G)
30245	CadSNP5840	<i>Desi</i>	Ca_Desig_Chr08	5292687	(G/A)
30246	CadSNP5841	<i>Desi</i>	Ca_Desig_Chr08	5292691	(T/A)
30247	CadSNP5842	<i>Desi</i>	Ca_Desig_Chr08	5292674	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30248	CadSNP5843	<i>Desi</i>	Ca_Desig_Chr08	5294080	(G/A)
30249	CadSNP5844	<i>Desi</i>	Ca_Desig_Chr08	5294154	(G/C)
30250	CadSNP5845	<i>Desi</i>	Ca_Desig_Chr08	5319584	(G/A)
30251	CadSNP5846	<i>Desi</i>	Ca_Desig_Chr08	5400701	(G/T)
30252	CadSNP5847	<i>Desi</i>	Ca_Desig_Chr08	5400715	(C/A)
30253	CadSNP5848	<i>Desi</i>	Ca_Desig_Chr08	5400735	(G/A)
30254	CadSNP5849	<i>Desi</i>	Ca_Desig_Chr08	5400749	(G/A)
30255	CadSNP5850	<i>Desi</i>	Ca_Desig_Chr08	5400774	(C/T)
30256	CadSNP5851	<i>Desi</i>	Ca_Desig_Chr08	5406439	(A/G)
30257	CadSNP5852	<i>Desi</i>	Ca_Desig_Chr08	5430520	(C/G)
30258	CadSNP5853	<i>Desi</i>	Ca_Desig_Chr08	5430519	(C/T)
30259	CadSNP5854	<i>Desi</i>	Ca_Desig_Chr08	5430497	(T/C)
30260	CadSNP5855	<i>Desi</i>	Ca_Desig_Chr08	5503559	(G/A)
30261	CadSNP5856	<i>Desi</i>	Ca_Desig_Chr08	5538015	(G/C)
30262	CadSNP5857	<i>Desi</i>	Ca_Desig_Chr08	5540709	(A/T)
30263	CadSNP5858	<i>Desi</i>	Ca_Desig_Chr08	5577326	(C/T)
30264	CadSNP5859	<i>Desi</i>	Ca_Desig_Chr08	5598377	(T/C)
30265	CadSNP5860	<i>Desi</i>	Ca_Desig_Chr08	5629715	(A/G)
30266	CadSNP5861	<i>Desi</i>	Ca_Desig_Chr08	5629764	(A/T)
30267	CadSNP5862	<i>Desi</i>	Ca_Desig_Chr08	5629818	(C/T)
30268	CadSNP5863	<i>Desi</i>	Ca_Desig_Chr08	5629820	(G/C)
30269	CadSNP5864	<i>Desi</i>	Ca_Desig_Chr08	5629867	(G/C)
30270	CadSNP5865	<i>Desi</i>	Ca_Desig_Chr08	5629880	(T/C)
30271	CadSNP5866	<i>Desi</i>	Ca_Desig_Chr08	5639572	(T/A)
30272	CadSNP5867	<i>Desi</i>	Ca_Desig_Chr08	5676674	(C/G)
30273	CadSNP5868	<i>Desi</i>	Ca_Desig_Chr08	5676675	(C/T)
30274	CadSNP5869	<i>Desi</i>	Ca_Desig_Chr08	5692680	(G/T)
30275	CadSNP5870	<i>Desi</i>	Ca_Desig_Chr08	5692686	(G/T)
30276	CadSNP5871	<i>Desi</i>	Ca_Desig_Chr08	5692691	(A/T)
30277	CadSNP5872	<i>Desi</i>	Ca_Desig_Chr08	5692716	(A/T)
30278	CadSNP5873	<i>Desi</i>	Ca_Desig_Chr08	5741859	(A/G)
30279	CadSNP5874	<i>Desi</i>	Ca_Desig_Chr08	5839054	(C/T)
30280	CadSNP5875	<i>Desi</i>	Ca_Desig_Chr08	5859673	(A/G)
30281	CadSNP5876	<i>Desi</i>	Ca_Desig_Chr08	5873045	(G/T)
30282	CadSNP5877	<i>Desi</i>	Ca_Desig_Chr08	5873046	(G/C)
30283	CadSNP5878	<i>Desi</i>	Ca_Desig_Chr08	5893623	(G/C)
30284	CadSNP5879	<i>Desi</i>	Ca_Desig_Chr08	5893717	(A/C)
30285	CadSNP5880	<i>Desi</i>	Ca_Desig_Chr08	5894433	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30286	CadSNP5881	<i>Desi</i>	Ca_Desig_Chr08	5894563	(C/T)
30287	CadSNP5882	<i>Desi</i>	Ca_Desig_Chr08	5902520	(C/T)
30288	CadSNP5883	<i>Desi</i>	Ca_Desig_Chr08	5937874	(G/C)
30289	CadSNP5884	<i>Desi</i>	Ca_Desig_Chr08	5937873	(C/T)
30290	CadSNP5885	<i>Desi</i>	Ca_Desig_Chr08	5955260	(T/G)
30291	CadSNP5886	<i>Desi</i>	Ca_Desig_Chr08	5955310	(T/G)
30292	CadSNP5887	<i>Desi</i>	Ca_Desig_Chr08	5997392	(G/C)
30293	CadSNP5888	<i>Desi</i>	Ca_Desig_Chr08	6011053	(A/G)
30294	CadSNP5889	<i>Desi</i>	Ca_Desig_Chr08	6018260	(A/G)
30295	CadSNP5890	<i>Desi</i>	Ca_Desig_Chr08	6018400	(A/T)
30296	CadSNP5891	<i>Desi</i>	Ca_Desig_Chr08	6021810	(C/T)
30297	CadSNP5892	<i>Desi</i>	Ca_Desig_Chr08	6039116	(G/C)
30298	CadSNP5893	<i>Desi</i>	Ca_Desig_Chr08	6121913	(A/G)
30299	CadSNP5894	<i>Desi</i>	Ca_Desig_Chr08	6122035	(G/A)
30300	CadSNP5895	<i>Desi</i>	Ca_Desig_Chr08	6122066	(A/C)
30301	CadSNP5896	<i>Desi</i>	Ca_Desig_Chr08	6122067	(G/T)
30302	CadSNP5897	<i>Desi</i>	Ca_Desig_Chr08	6125494	(T/C)
30303	CadSNP5898	<i>Desi</i>	Ca_Desig_Chr08	6135840	(T/A)
30304	CadSNP5899	<i>Desi</i>	Ca_Desig_Chr08	6212381	(G/A)
30305	CadSNP5900	<i>Desi</i>	Ca_Desig_Chr08	6222792	(A/T)
30306	CadSNP5901	<i>Desi</i>	Ca_Desig_Chr08	6238450	(T/C)
30307	CadSNP5902	<i>Desi</i>	Ca_Desig_Chr08	6240892	(G/C)
30308	CadSNP5903	<i>Desi</i>	Ca_Desig_Chr08	6253648	(C/T)
30309	CadSNP5904	<i>Desi</i>	Ca_Desig_Chr08	6253665	(C/T)
30310	CadSNP5905	<i>Desi</i>	Ca_Desig_Chr08	6253685	(T/G)
30311	CadSNP5906	<i>Desi</i>	Ca_Desig_Chr08	6278277	(G/A)
30312	CadSNP5907	<i>Desi</i>	Ca_Desig_Chr08	6284361	(C/T)
30313	CadSNP5908	<i>Desi</i>	Ca_Desig_Chr08	6337453	(G/A)
30314	CadSNP5909	<i>Desi</i>	Ca_Desig_Chr08	6392071	(C/A)
30315	CadSNP5910	<i>Desi</i>	Ca_Desig_Chr08	6416846	(A/T)
30316	CadSNP5911	<i>Desi</i>	Ca_Desig_Chr08	6631093	(C/T)
30317	CadSNP5912	<i>Desi</i>	Ca_Desig_Chr08	6694033	(G/A)
30318	CadSNP5913	<i>Desi</i>	Ca_Desig_Chr08	6694662	(A/T)
30319	CadSNP5914	<i>Desi</i>	Ca_Desig_Chr08	6694683	(T/G)
30320	CadSNP5915	<i>Desi</i>	Ca_Desig_Chr08	6694902	(C/A)
30321	CadSNP5916	<i>Desi</i>	Ca_Desig_Chr08	6748878	(G/A)
30322	CadSNP5917	<i>Desi</i>	Ca_Desig_Chr08	6802993	(C/T)
30323	CadSNP5918	<i>Desi</i>	Ca_Desig_Chr08	6802986	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30324	CadSNP5919	<i>Desi</i>	Ca_Desig_Chr08	6802977	(G/T)
30325	CadSNP5920	<i>Desi</i>	Ca_Desig_Chr08	6812169	(A/C)
30326	CadSNP5921	<i>Desi</i>	Ca_Desig_Chr08	6890398	(G/A)
30327	CadSNP5922	<i>Desi</i>	Ca_Desig_Chr08	6890396	(T/C)
30328	CadSNP5923	<i>Desi</i>	Ca_Desig_Chr08	6929295	(T/C)
30329	CadSNP5924	<i>Desi</i>	Ca_Desig_Chr08	6929305	(T/G)
30330	CadSNP5925	<i>Desi</i>	Ca_Desig_Chr08	6929347	(C/T)
30331	CadSNP5926	<i>Desi</i>	Ca_Desig_Chr08	6932494	(C/A)
30332	CadSNP5927	<i>Desi</i>	Ca_Desig_Chr08	6932498	(T/C)
30333	CadSNP5928	<i>Desi</i>	Ca_Desig_Chr08	6949072	(T/C)
30334	CadSNP5929	<i>Desi</i>	Ca_Desig_Chr08	7061357	(C/G)
30335	CadSNP5930	<i>Desi</i>	Ca_Desig_Chr08	7680841	(T/C)
30336	CadSNP5931	<i>Desi</i>	Ca_Desig_Chr08	7684726	(C/G)
30337	CadSNP5932	<i>Desi</i>	Ca_Desig_Chr08	7684806	(G/A)
30338	CadSNP5933	<i>Desi</i>	Ca_Desig_Chr08	7756294	(T/C)
30339	CadSNP5934	<i>Desi</i>	Ca_Desig_Chr08	7756311	(T/C)
30340	CadSNP5935	<i>Desi</i>	Ca_Desig_Chr08	7756328	(T/C)
30341	CadSNP5936	<i>Desi</i>	Ca_Desig_Chr08	7756398	(G/C)
30342	CadSNP5937	<i>Desi</i>	Ca_Desig_Chr08	7776321	(A/C)
30343	CadSNP5938	<i>Desi</i>	Ca_Desig_Chr08	7809130	(T/G)
30344	CadSNP5939	<i>Desi</i>	Ca_Desig_Chr08	7809672	(C/A)
30345	CadSNP5940	<i>Desi</i>	Ca_Desig_Chr08	7809777	(A/G)
30346	CadSNP5941	<i>Desi</i>	Ca_Desig_Chr08	7809729	(C/T)
30347	CadSNP5942	<i>Desi</i>	Ca_Desig_Chr08	7856284	(C/T)
30348	CadSNP5943	<i>Desi</i>	Ca_Desig_Chr08	7860706	(A/G)
30349	CadSNP5944	<i>Desi</i>	Ca_Desig_Chr08	7868393	(C/T)
30350	CadSNP5945	<i>Desi</i>	Ca_Desig_Chr08	7878071	(G/C)
30351	CadSNP5946	<i>Desi</i>	Ca_Desig_Chr08	7878017	(C/T)
30352	CadSNP5947	<i>Desi</i>	Ca_Desig_Chr08	7883104	(C/G)
30353	CadSNP5948	<i>Desi</i>	Ca_Desig_Chr08	7915994	(T/C)
30354	CadSNP5949	<i>Desi</i>	Ca_Desig_Chr08	7921680	(G/T)
30355	CadSNP5950	<i>Desi</i>	Ca_Desig_Chr08	7979383	(C/T)
30356	CadSNP5951	<i>Desi</i>	Ca_Desig_Chr08	8004558	(C/A)
30357	CadSNP5952	<i>Desi</i>	Ca_Desig_Chr08	8004529	(C/T)
30358	CadSNP5953	<i>Desi</i>	Ca_Desig_Chr08	8039844	(T/C)
30359	CadSNP5954	<i>Desi</i>	Ca_Desig_Chr08	8065243	(A/G)
30360	CadSNP5955	<i>Desi</i>	Ca_Desig_Chr08	8075399	(T/G)
30361	CadSNP5956	<i>Desi</i>	Ca_Desig_Chr08	8096136	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30362	CadSNP5957	<i>Desi</i>	Ca_Desig_Chr08	8098674	(G/A)
30363	CadSNP5958	<i>Desi</i>	Ca_Desig_Chr08	8120364	(C/T)
30364	CadSNP5959	<i>Desi</i>	Ca_Desig_Chr08	8120375	(G/C)
30365	CadSNP5960	<i>Desi</i>	Ca_Desig_Chr08	8120379	(T/G)
30366	CadSNP5961	<i>Desi</i>	Ca_Desig_Chr08	8120385	(G/A)
30367	CadSNP5962	<i>Desi</i>	Ca_Desig_Chr08	8120395	(G/C)
30368	CadSNP5963	<i>Desi</i>	Ca_Desig_Chr08	8120407	(C/T)
30369	CadSNP5964	<i>Desi</i>	Ca_Desig_Chr08	8124369	(T/G)
30370	CadSNP5965	<i>Desi</i>	Ca_Desig_Chr08	8143246	(G/A)
30371	CadSNP5966	<i>Desi</i>	Ca_Desig_Chr08	8163286	(C/T)
30372	CadSNP5967	<i>Desi</i>	Ca_Desig_Chr08	8163303	(C/G)
30373	CadSNP5968	<i>Desi</i>	Ca_Desig_Chr08	8174457	(A/G)
30374	CadSNP5969	<i>Desi</i>	Ca_Desig_Chr08	8174515	(C/G)
30375	CadSNP5970	<i>Desi</i>	Ca_Desig_Chr08	8174513	(T/A)
30376	CadSNP5971	<i>Desi</i>	Ca_Desig_Chr08	8174507	(A/C)
30377	CadSNP5972	<i>Desi</i>	Ca_Desig_Chr08	8188712	(T/G)
30378	CadSNP5973	<i>Desi</i>	Ca_Desig_Chr08	8199266	(C/A)
30379	CadSNP5974	<i>Desi</i>	Ca_Desig_Chr08	8199337	(C/T)
30380	CadSNP5975	<i>Desi</i>	Ca_Desig_Chr08	8215540	(A/G)
30381	CadSNP5976	<i>Desi</i>	Ca_Desig_Chr08	8224144	(A/C)
30382	CadSNP5977	<i>Desi</i>	Ca_Desig_Chr08	8226513	(G/T)
30383	CadSNP5978	<i>Desi</i>	Ca_Desig_Chr08	8226615	(G/A)
30384	CadSNP5979	<i>Desi</i>	Ca_Desig_Chr08	8226567	(G/A)
30385	CadSNP5980	<i>Desi</i>	Ca_Desig_Chr08	8237858	(A/G)
30386	CadSNP5981	<i>Desi</i>	Ca_Desig_Chr08	8253246	(T/C)
30387	CadSNP5982	<i>Desi</i>	Ca_Desig_Chr08	8254383	(T/G)
30388	CadSNP5983	<i>Desi</i>	Ca_Desig_Chr08	8293821	(C/T)
30389	CadSNP5984	<i>Desi</i>	Ca_Desig_Chr08	8394443	(A/T)
30390	CadSNP5985	<i>Desi</i>	Ca_Desig_Chr08	8415354	(A/G)
30391	CadSNP5986	<i>Desi</i>	Ca_Desig_Chr08	8415346	(G/T)
30392	CadSNP5987	<i>Desi</i>	Ca_Desig_Chr08	8429606	(C/T)
30393	CadSNP5988	<i>Desi</i>	Ca_Desig_Chr08	8429636	(G/A)
30394	CadSNP5989	<i>Desi</i>	Ca_Desig_Chr08	8432968	(T/G)
30395	CadSNP5990	<i>Desi</i>	Ca_Desig_Chr08	8432964	(A/C)
30396	CadSNP5991	<i>Desi</i>	Ca_Desig_Chr08	8432958	(A/T)
30397	CadSNP5992	<i>Desi</i>	Ca_Desig_Chr08	8432922	(C/A)
30398	CadSNP5993	<i>Desi</i>	Ca_Desig_Chr08	8461064	(C/T)
30399	CadSNP5994	<i>Desi</i>	Ca_Desig_Chr08	8461132	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30400	CadSNP5995	<i>Desi</i>	Ca_Desig_Chr08	8461106	(C/A)
30401	CadSNP5996	<i>Desi</i>	Ca_Desig_Chr08	8527616	(A/C)
30402	CadSNP5997	<i>Desi</i>	Ca_Desig_Chr08	8527697	(T/C)
30403	CadSNP5998	<i>Desi</i>	Ca_Desig_Chr08	8527828	(C/G)
30404	CadSNP5999	<i>Desi</i>	Ca_Desig_Chr08	8527853	(G/A)
30405	CadSNP6000	<i>Desi</i>	Ca_Desig_Chr08	8527968	(C/A)
30406	CadSNP6001	<i>Desi</i>	Ca_Desig_Chr08	8529997	(C/T)
30407	CadSNP6002	<i>Desi</i>	Ca_Desig_Chr08	8530011	(T/C)
30408	CadSNP6003	<i>Desi</i>	Ca_Desig_Chr08	8530040	(A/G)
30409	CadSNP6004	<i>Desi</i>	Ca_Desig_Chr08	8530148	(G/T)
30410	CadSNP6005	<i>Desi</i>	Ca_Desig_Chr08	8547790	(C/A)
30411	CadSNP6006	<i>Desi</i>	Ca_Desig_Chr08	8567577	(T/G)
30412	CadSNP6007	<i>Desi</i>	Ca_Desig_Chr08	8581939	(C/A)
30413	CadSNP6008	<i>Desi</i>	Ca_Desig_Chr08	8714190	(C/A)
30414	CadSNP6009	<i>Desi</i>	Ca_Desig_Chr08	8714880	(C/G)
30415	CadSNP6010	<i>Desi</i>	Ca_Desig_Chr08	8714927	(G/A)
30416	CadSNP6011	<i>Desi</i>	Ca_Desig_Chr08	8714972	(G/C)
30417	CadSNP6012	<i>Desi</i>	Ca_Desig_Chr08	8715060	(T/A)
30418	CadSNP6013	<i>Desi</i>	Ca_Desig_Chr08	8714991	(A/C)
30419	CadSNP6014	<i>Desi</i>	Ca_Desig_Chr08	8714989	(G/C)
30420	CadSNP6015	<i>Desi</i>	Ca_Desig_Chr08	8808195	(T/C)
30421	CadSNP6016	<i>Desi</i>	Ca_Desig_Chr08	8808193	(T/C)
30422	CadSNP6017	<i>Desi</i>	Ca_Desig_Chr08	8980491	(A/G)
30423	CadSNP6018	<i>Desi</i>	Ca_Desig_Chr08	8980494	(C/T)
30424	CadSNP6019	<i>Desi</i>	Ca_Desig_Chr08	9028576	(C/G)
30425	CadSNP6020	<i>Desi</i>	Ca_Desig_Chr08	9066626	(A/C)
30426	CadSNP6021	<i>Desi</i>	Ca_Desig_Chr08	9934682	(C/T)
30427	CadSNP6022	<i>Desi</i>	Ca_Desig_Chr08	9988643	(T/C)
30428	CadSNP6023	<i>Desi</i>	Ca_Desig_Chr08	10010315	(G/C)
30429	CadSNP6024	<i>Desi</i>	Ca_Desig_Chr08	10010317	(A/T)
30430	CadSNP6025	<i>Desi</i>	Ca_Desig_Chr08	10010422	(G/T)
30431	CadSNP6026	<i>Desi</i>	Ca_Desig_Chr08	10010446	(T/G)
30432	CadSNP6027	<i>Desi</i>	Ca_Desig_Chr08	10010518	(G/A)
30433	CadSNP6028	<i>Desi</i>	Ca_Desig_Chr08	10011198	(G/C)
30434	CadSNP6029	<i>Desi</i>	Ca_Desig_Chr08	10011218	(C/T)
30435	CadSNP6030	<i>Desi</i>	Ca_Desig_Chr08	10033171	(T/G)
30436	CadSNP6031	<i>Desi</i>	Ca_Desig_Chr08	10043503	(C/G)
30437	CadSNP6032	<i>Desi</i>	Ca_Desig_Chr08	10043506	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30438	CadSNP6033	<i>Desi</i>	Ca_Desig_Chr08	10043515	(C/T)
30439	CadSNP6034	<i>Desi</i>	Ca_Desig_Chr08	10089756	(G/A)
30440	CadSNP6035	<i>Desi</i>	Ca_Desig_Chr08	10089757	(A/G)
30441	CadSNP6036	<i>Desi</i>	Ca_Desig_Chr08	10092547	(G/C)
30442	CadSNP6037	<i>Desi</i>	Ca_Desig_Chr08	10118207	(C/A)
30443	CadSNP6038	<i>Desi</i>	Ca_Desig_Chr08	10126050	(A/C)
30444	CadSNP6039	<i>Desi</i>	Ca_Desig_Chr08	10138245	(T/G)
30445	CadSNP6040	<i>Desi</i>	Ca_Desig_Chr08	10138459	(T/C)
30446	CadSNP6041	<i>Desi</i>	Ca_Desig_Chr08	10139121	(T/C)
30447	CadSNP6042	<i>Desi</i>	Ca_Desig_Chr08	10139184	(G/T)
30448	CadSNP6043	<i>Desi</i>	Ca_Desig_Chr08	10146785	(T/G)
30449	CadSNP6044	<i>Desi</i>	Ca_Desig_Chr08	10146937	(A/G)
30450	CadSNP6045	<i>Desi</i>	Ca_Desig_Chr08	10147096	(A/G)
30451	CadSNP6046	<i>Desi</i>	Ca_Desig_Chr08	10147052	(C/A)
30452	CadSNP6047	<i>Desi</i>	Ca_Desig_Chr08	10156188	(G/C)
30453	CadSNP6048	<i>Desi</i>	Ca_Desig_Chr08	10156217	(G/T)
30454	CadSNP6049	<i>Desi</i>	Ca_Desig_Chr08	10179564	(G/T)
30455	CadSNP6050	<i>Desi</i>	Ca_Desig_Chr08	10186069	(C/A)
30456	CadSNP6051	<i>Desi</i>	Ca_Desig_Chr08	10194865	(G/T)
30457	CadSNP6052	<i>Desi</i>	Ca_Desig_Chr08	10194837	(A/G)
30458	CadSNP6053	<i>Desi</i>	Ca_Desig_Chr08	10199366	(G/C)
30459	CadSNP6054	<i>Desi</i>	Ca_Desig_Chr08	10219563	(T/C)
30460	CadSNP6055	<i>Desi</i>	Ca_Desig_Chr08	10219601	(G/T)
30461	CadSNP6056	<i>Desi</i>	Ca_Desig_Chr08	10222573	(G/A)
30462	CadSNP6057	<i>Desi</i>	Ca_Desig_Chr08	10222561	(G/A)
30463	CadSNP6058	<i>Desi</i>	Ca_Desig_Chr08	10366770	(G/T)
30464	CadSNP6059	<i>Desi</i>	Ca_Desig_Chr08	10366757	(A/G)
30465	CadSNP6060	<i>Desi</i>	Ca_Desig_Chr08	10366745	(T/C)
30466	CadSNP6061	<i>Desi</i>	Ca_Desig_Chr08	10366740	(A/G)
30467	CadSNP6062	<i>Desi</i>	Ca_Desig_Chr08	10405441	(G/C)
30468	CadSNP6063	<i>Desi</i>	Ca_Desig_Chr08	10443585	(A/C)
30469	CadSNP6064	<i>Desi</i>	Ca_Desig_Scaffold00032	30276	(G/C)
30470	CadSNP6065	<i>Desi</i>	Ca_Desig_Scaffold00032	78989	(T/C)
30471	CadSNP6066	<i>Desi</i>	Ca_Desig_Scaffold00032	80728	(G/C)
30472	CadSNP6067	<i>Desi</i>	Ca_Desig_Scaffold00032	210202	(G/T)
30473	CadSNP6068	<i>Desi</i>	Ca_Desig_Scaffold00032	414217	(A/G)
30474	CadSNP6069	<i>Desi</i>	Ca_Desig_Scaffold00032	536497	(G/A)
30475	CadSNP6070	<i>Desi</i>	Ca_Desig_Scaffold00046	280957	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30476	CadSNP6071	<i>Desi</i>	Ca_Desig_Scaffold00046	282484	(A/G)
30477	CadSNP6072	<i>Desi</i>	Ca_Desig_Scaffold00046	285942	(A/C)
30478	CadSNP6073	<i>Desi</i>	Ca_Desig_Scaffold00046	286011	(T/A)
30479	CadSNP6074	<i>Desi</i>	Ca_Desig_Scaffold00046	286009	(G/A)
30480	CadSNP6075	<i>Desi</i>	Ca_Desig_Scaffold00046	286700	(T/C)
30481	CadSNP6076	<i>Desi</i>	Ca_Desig_Scaffold00046	301107	(T/A)
30482	CadSNP6077	<i>Desi</i>	Ca_Desig_Scaffold00046	386326	(C/T)
30483	CadSNP6078	<i>Desi</i>	Ca_Desig_Scaffold00046	386310	(A/G)
30484	CadSNP6079	<i>Desi</i>	Ca_Desig_Scaffold00046	386585	(A/G)
30485	CadSNP6080	<i>Desi</i>	Ca_Desig_Scaffold00046	386568	(A/G)
30486	CadSNP6081	<i>Desi</i>	Ca_Desig_Scaffold00046	421228	(C/A)
30487	CadSNP6082	<i>Desi</i>	Ca_Desig_Scaffold00046	421235	(T/A)
30488	CadSNP6083	<i>Desi</i>	Ca_Desig_Scaffold00046	421370	(G/A)
30489	CadSNP6084	<i>Desi</i>	Ca_Desig_Scaffold00046	486628	(G/A)
30490	CadSNP6085	<i>Desi</i>	Ca_Desig_Scaffold00046	522703	(T/C)
30491	CadSNP6086	<i>Desi</i>	Ca_Desig_Scaffold00046	522682	(C/T)
30492	CadSNP6087	<i>Desi</i>	Ca_Desig_Scaffold00046	570171	(T/C)
30493	CadSNP6088	<i>Desi</i>	Ca_Desig_Scaffold00055	41146	(A/C)
30494	CadSNP6089	<i>Desi</i>	Ca_Desig_Scaffold00055	41149	(T/G)
30495	CadSNP6090	<i>Desi</i>	Ca_Desig_Scaffold00055	41151	(G/A)
30496	CadSNP6091	<i>Desi</i>	Ca_Desig_Scaffold00055	41154	(A/C)
30497	CadSNP6092	<i>Desi</i>	Ca_Desig_Scaffold00055	41160	(G/A)
30498	CadSNP6093	<i>Desi</i>	Ca_Desig_Scaffold00055	141965	(A/C)
30499	CadSNP6094	<i>Desi</i>	Ca_Desig_Scaffold00055	141952	(T/A)
30500	CadSNP6095	<i>Desi</i>	Ca_Desig_Scaffold00055	141943	(G/C)
30501	CadSNP6096	<i>Desi</i>	Ca_Desig_Scaffold00055	141942	(T/C)
30502	CadSNP6097	<i>Desi</i>	Ca_Desig_Scaffold00055	149867	(A/G)
30503	CadSNP6098	<i>Desi</i>	Ca_Desig_Scaffold00055	149866	(C/G)
30504	CadSNP6099	<i>Desi</i>	Ca_Desig_Scaffold00055	149857	(A/T)
30505	CadSNP6100	<i>Desi</i>	Ca_Desig_Scaffold00055	149844	(T/G)
30506	CadSNP6101	<i>Desi</i>	Ca_Desig_Scaffold00055	275942	(T/G)
30507	CadSNP6102	<i>Desi</i>	Ca_Desig_Scaffold00055	317961	(A/G)
30508	CadSNP6103	<i>Desi</i>	Ca_Desig_Scaffold00055	317976	(A/C)
30509	CadSNP6104	<i>Desi</i>	Ca_Desig_Scaffold00055	318019	(T/C)
30510	CadSNP6105	<i>Desi</i>	Ca_Desig_Scaffold00055	318023	(C/G)
30511	CadSNP6106	<i>Desi</i>	Ca_Desig_Scaffold00055	379842	(G/T)
30512	CadSNP6107	<i>Desi</i>	Ca_Desig_Scaffold00073	80464	(A/G)
30513	CadSNP6108	<i>Desi</i>	Ca_Desig_Scaffold00073	85672	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30514	CadSNP6109	<i>Desi</i>	Ca_Desig_Scaffold00073	150670	(C/A)
30515	CadSNP6110	<i>Desi</i>	Ca_Desig_Scaffold00073	184051	(T/C)
30516	CadSNP6111	<i>Desi</i>	Ca_Desig_Scaffold00073	213846	(C/T)
30517	CadSNP6112	<i>Desi</i>	Ca_Desig_Scaffold00073	257738	(G/T)
30518	CadSNP6113	<i>Desi</i>	Ca_Desig_Scaffold00073	271762	(G/A)
30519	CadSNP6114	<i>Desi</i>	Ca_Desig_Scaffold00073	301422	(G/A)
30520	CadSNP6115	<i>Desi</i>	Ca_Desig_Scaffold00073	301454	(G/C)
30521	CadSNP6116	<i>Desi</i>	Ca_Desig_Scaffold00073	341240	(A/G)
30522	CadSNP6117	<i>Desi</i>	Ca_Desig_Scaffold00077	4479	(C/T)
30523	CadSNP6118	<i>Desi</i>	Ca_Desig_Scaffold00077	16591	(T/A)
30524	CadSNP6119	<i>Desi</i>	Ca_Desig_Scaffold00077	16736	(G/A)
30525	CadSNP6120	<i>Desi</i>	Ca_Desig_Scaffold00077	16751	(A/T)
30526	CadSNP6121	<i>Desi</i>	Ca_Desig_Scaffold00077	16906	(G/A)
30527	CadSNP6122	<i>Desi</i>	Ca_Desig_Scaffold00077	85007	(T/G)
30528	CadSNP6123	<i>Desi</i>	Ca_Desig_Scaffold00077	130429	(G/C)
30529	CadSNP6124	<i>Desi</i>	Ca_Desig_Scaffold00077	130428	(A/T)
30530	CadSNP6125	<i>Desi</i>	Ca_Desig_Scaffold00077	141979	(C/G)
30531	CadSNP6126	<i>Desi</i>	Ca_Desig_Scaffold00077	142047	(C/T)
30532	CadSNP6127	<i>Desi</i>	Ca_Desig_Scaffold00077	142074	(C/A)
30533	CadSNP6128	<i>Desi</i>	Ca_Desig_Scaffold00077	144387	(G/A)
30534	CadSNP6129	<i>Desi</i>	Ca_Desig_Scaffold00077	192469	(G/A)
30535	CadSNP6130	<i>Desi</i>	Ca_Desig_Scaffold00077	201291	(G/A)
30536	CadSNP6131	<i>Desi</i>	Ca_Desig_Scaffold00077	201300	(T/A)
30537	CadSNP6132	<i>Desi</i>	Ca_Desig_Scaffold00077	206725	(C/T)
30538	CadSNP6133	<i>Desi</i>	Ca_Desig_Scaffold00077	213496	(G/C)
30539	CadSNP6134	<i>Desi</i>	Ca_Desig_Scaffold00077	213490	(A/G)
30540	CadSNP6135	<i>Desi</i>	Ca_Desig_Scaffold00077	213502	(A/G)
30541	CadSNP6136	<i>Desi</i>	Ca_Desig_Scaffold00077	243484	(G/T)
30542	CadSNP6137	<i>Desi</i>	Ca_Desig_Scaffold00077	325246	(T/A)
30543	CadSNP6138	<i>Desi</i>	Ca_Desig_Scaffold00077	325187	(C/T)
30544	CadSNP6139	<i>Desi</i>	Ca_Desig_Scaffold00077	337295	(A/C)
30545	CadSNP6140	<i>Desi</i>	Ca_Desig_Scaffold00077	337338	(C/T)
30546	CadSNP6141	<i>Desi</i>	Ca_Desig_Scaffold00077	337351	(T/C)
30547	CadSNP6142	<i>Desi</i>	Ca_Desig_Scaffold00078	260820	(C/A)
30548	CadSNP6143	<i>Desi</i>	Ca_Desig_Scaffold00079	94944	(C/T)
30549	CadSNP6144	<i>Desi</i>	Ca_Desig_Scaffold00079	94965	(G/T)
30550	CadSNP6145	<i>Desi</i>	Ca_Desig_Scaffold00079	229258	(T/C)
30551	CadSNP6146	<i>Desi</i>	Ca_Desig_Scaffold00079	240819	(G/A)

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30552	CadSNP6147	<i>Desi</i>	Ca_Desig_Scaffold00079	241954	(C/G)
30553	CadSNP6148	<i>Desi</i>	Ca_Desig_Scaffold00079	314378	(A/G)
30554	CadSNP6149	<i>Desi</i>	Ca_Desig_Scaffold00079	327909	(A/T)
30555	CadSNP6150	<i>Desi</i>	Ca_Desig_Scaffold00079	328145	(A/C)
30556	CadSNP6151	<i>Desi</i>	Ca_Desig_Scaffold00079	328740	(C/G)
30557	CadSNP6152	<i>Desi</i>	Ca_Desig_Scaffold00079	341939	(C/T)
30558	CadSNP6153	<i>Desi</i>	Ca_Desig_Scaffold00079	352507	(T/C)
30559	CadSNP6154	<i>Desi</i>	Ca_Desig_Scaffold00079	363044	(C/T)
30560	CadSNP6155	<i>Desi</i>	Ca_Desig_Scaffold00079	373906	(G/A)
30561	CadSNP6156	<i>Desi</i>	Ca_Desig_Scaffold00089	131192	(G/C)
30562	CadSNP6157	<i>Desi</i>	Ca_Desig_Scaffold00089	147452	(T/C)
30563	CadSNP6158	<i>Desi</i>	Ca_Desig_Scaffold00089	147486	(G/T)
30564	CadSNP6159	<i>Desi</i>	Ca_Desig_Scaffold00089	147496	(G/C)
30565	CadSNP6160	<i>Desi</i>	Ca_Desig_Scaffold00089	235945	(G/A)
30566	CadSNP6161	<i>Desi</i>	Ca_Desig_Scaffold00089	289315	(T/C)
30567	CadSNP6162	<i>Desi</i>	Ca_Desig_Scaffold00089	289355	(G/A)
30568	CadSNP6163	<i>Desi</i>	Ca_Desig_Scaffold00089	291709	(A/G)
30569	CadSNP6164	<i>Desi</i>	Ca_Desig_Scaffold00089	291736	(C/A)
30570	CadSNP6165	<i>Desi</i>	Ca_Desig_Scaffold00089	291803	(T/G)
30571	CadSNP6166	<i>Desi</i>	Ca_Desig_Scaffold00089	292570	(A/G)
30572	CadSNP6167	<i>Desi</i>	Ca_Desig_Scaffold00089	296272	(C/G)
30573	CadSNP6168	<i>Desi</i>	Ca_Desig_Scaffold00089	296311	(A/G)
30574	CadSNP6169	<i>Desi</i>	Ca_Desig_Scaffold00089	296307	(G/A)
30575	CadSNP6170	<i>Desi</i>	Ca_Desig_Scaffold00089	296346	(A/G)
30576	CadSNP6171	<i>Desi</i>	Ca_Desig_Scaffold00089	296374	(A/G)
30577	CadSNP6172	<i>Desi</i>	Ca_Desig_Scaffold00093	23627	(C/T)
30578	CadSNP6173	<i>Desi</i>	Ca_Desig_Scaffold00093	34934	(A/T)
30579	CadSNP6174	<i>Desi</i>	Ca_Desig_Scaffold00093	38349	(G/A)
30580	CadSNP6175	<i>Desi</i>	Ca_Desig_Scaffold00093	38379	(A/G)
30581	CadSNP6176	<i>Desi</i>	Ca_Desig_Scaffold00093	65926	(G/A)
30582	CadSNP6177	<i>Desi</i>	Ca_Desig_Scaffold00093	65872	(C/T)
30583	CadSNP6178	<i>Desi</i>	Ca_Desig_Scaffold00093	65849	(A/G)
30584	CadSNP6179	<i>Desi</i>	Ca_Desig_Scaffold00093	65934	(A/C)
30585	CadSNP6180	<i>Desi</i>	Ca_Desig_Scaffold00093	155942	(T/C)
30586	CadSNP6181	<i>Desi</i>	Ca_Desig_Scaffold00093	157340	(G/C)
30587	CadSNP6182	<i>Desi</i>	Ca_Desig_Scaffold00093	177263	(C/T)
30588	CadSNP6183	<i>Desi</i>	Ca_Desig_Scaffold00093	177319	(A/G)
30589	CadSNP6184	<i>Desi</i>	Ca_Desig_Scaffold00093	177314	(G/C)

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30590	CadSNP6185	<i>Desi</i>	Ca_Desig_Scaffold00093	232769	(C/T)
30591	CadSNP6186	<i>Desi</i>	Ca_Desig_Scaffold00093	283066	(A/G)
30592	CadSNP6187	<i>Desi</i>	Ca_Desig_Scaffold00093	283082	(A/T)
30593	CadSNP6188	<i>Desi</i>	Ca_Desig_Scaffold00093	283134	(G/A)
30594	CadSNP6189	<i>Desi</i>	Ca_Desig_Scaffold00105	25166	(T/A)
30595	CadSNP6190	<i>Desi</i>	Ca_Desig_Scaffold00105	34509	(C/T)
30596	CadSNP6191	<i>Desi</i>	Ca_Desig_Scaffold00105	34545	(A/G)
30597	CadSNP6192	<i>Desi</i>	Ca_Desig_Scaffold00105	34678	(G/A)
30598	CadSNP6193	<i>Desi</i>	Ca_Desig_Scaffold00105	34610	(G/A)
30599	CadSNP6194	<i>Desi</i>	Ca_Desig_Scaffold00105	69821	(G/T)
30600	CadSNP6195	<i>Desi</i>	Ca_Desig_Scaffold00105	69897	(A/G)
30601	CadSNP6196	<i>Desi</i>	Ca_Desig_Scaffold00105	108156	(T/C)
30602	CadSNP6197	<i>Desi</i>	Ca_Desig_Scaffold00105	109060	(A/G)
30603	CadSNP6198	<i>Desi</i>	Ca_Desig_Scaffold00105	109201	(C/T)
30604	CadSNP6199	<i>Desi</i>	Ca_Desig_Scaffold00105	109359	(T/C)
30605	CadSNP6200	<i>Desi</i>	Ca_Desig_Scaffold00105	141575	(T/G)
30606	CadSNP6201	<i>Desi</i>	Ca_Desig_Scaffold00105	205937	(G/T)
30607	CadSNP6202	<i>Desi</i>	Ca_Desig_Scaffold00105	205959	(C/G)
30608	CadSNP6203	<i>Desi</i>	Ca_Desig_Scaffold00105	271514	(A/G)
30609	CadSNP6204	<i>Desi</i>	Ca_Desig_Scaffold00105	274026	(G/T)
30610	CadSNP6205	<i>Desi</i>	Ca_Desig_Scaffold00105	275085	(A/G)
30611	CadSNP6206	<i>Desi</i>	Ca_Desig_Scaffold00105	296433	(A/G)
30612	CadSNP6207	<i>Desi</i>	Ca_Desig_Scaffold00105	314911	(G/A)
30613	CadSNP6208	<i>Desi</i>	Ca_Desig_Scaffold00105	314951	(A/G)
30614	CadSNP6209	<i>Desi</i>	Ca_Desig_Scaffold00105	316430	(G/T)
30615	CadSNP6210	<i>Desi</i>	Ca_Desig_Scaffold00105	316436	(A/C)
30616	CadSNP6211	<i>Desi</i>	Ca_Desig_Scaffold00105	318163	(G/T)
30617	CadSNP6212	<i>Desi</i>	Ca_Desig_Scaffold00105	318254	(A/G)
30618	CadSNP6213	<i>Desi</i>	Ca_Desig_Scaffold00110	31583	(T/C)
30619	CadSNP6214	<i>Desi</i>	Ca_Desig_Scaffold00110	31603	(G/A)
30620	CadSNP6215	<i>Desi</i>	Ca_Desig_Scaffold00110	138269	(A/G)
30621	CadSNP6216	<i>Desi</i>	Ca_Desig_Scaffold00110	186079	(T/A)
30622	CadSNP6217	<i>Desi</i>	Ca_Desig_Scaffold00110	209208	(C/T)
30623	CadSNP6218	<i>Desi</i>	Ca_Desig_Scaffold00110	210897	(A/G)
30624	CadSNP6219	<i>Desi</i>	Ca_Desig_Scaffold00110	226009	(G/T)
30625	CadSNP6220	<i>Desi</i>	Ca_Desig_Scaffold00110	247301	(G/T)
30626	CadSNP6221	<i>Desi</i>	Ca_Desig_Scaffold00110	247326	(A/G)
30627	CadSNP6222	<i>Desi</i>	Ca_Desig_Scaffold00110	247455	(C/T)

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30628	CadSNP6223	<i>Desi</i>	Ca_Desig_Scaffold00110	282223	(C/T)
30629	CadSNP6224	<i>Desi</i>	Ca_Desig_Scaffold00110	282463	(T/C)
30630	CadSNP6225	<i>Desi</i>	Ca_Desig_Scaffold00113	65093	(T/G)
30631	CadSNP6226	<i>Desi</i>	Ca_Desig_Scaffold00113	112847	(G/A)
30632	CadSNP6227	<i>Desi</i>	Ca_Desig_Scaffold00113	123793	(C/T)
30633	CadSNP6228	<i>Desi</i>	Ca_Desig_Scaffold00113	123846	(T/C)
30634	CadSNP6229	<i>Desi</i>	Ca_Desig_Scaffold00113	123852	(T/A)
30635	CadSNP6230	<i>Desi</i>	Ca_Desig_Scaffold00113	123865	(G/C)
30636	CadSNP6231	<i>Desi</i>	Ca_Desig_Scaffold00113	123872	(G/A)
30637	CadSNP6232	<i>Desi</i>	Ca_Desig_Scaffold00113	140380	(T/C)
30638	CadSNP6233	<i>Desi</i>	Ca_Desig_Scaffold00113	154538	(T/C)
30639	CadSNP6234	<i>Desi</i>	Ca_Desig_Scaffold00113	204925	(T/C)
30640	CadSNP6235	<i>Desi</i>	Ca_Desig_Scaffold00113	206141	(T/A)
30641	CadSNP6236	<i>Desi</i>	Ca_Desig_Scaffold00113	206181	(T/A)
30642	CadSNP6237	<i>Desi</i>	Ca_Desig_Scaffold00113	206174	(A/G)
30643	CadSNP6238	<i>Desi</i>	Ca_Desig_Scaffold00113	206169	(A/G)
30644	CadSNP6239	<i>Desi</i>	Ca_Desig_Scaffold00113	206163	(T/G)
30645	CadSNP6240	<i>Desi</i>	Ca_Desig_Scaffold00113	230221	(T/C)
30646	CadSNP6241	<i>Desi</i>	Ca_Desig_Scaffold00113	254983	(A/G)
30647	CadSNP6242	<i>Desi</i>	Ca_Desig_Scaffold00113	254986	(T/G)
30648	CadSNP6243	<i>Desi</i>	Ca_Desig_Scaffold00113	255133	(G/A)
30649	CadSNP6244	<i>Desi</i>	Ca_Desig_Scaffold00113	255132	(T/C)
30650	CadSNP6245	<i>Desi</i>	Ca_Desig_Scaffold00113	257928	(G/A)
30651	CadSNP6246	<i>Desi</i>	Ca_Desig_Scaffold00113	257906	(G/A)
30652	CadSNP6247	<i>Desi</i>	Ca_Desig_Scaffold00113	260632	(G/A)
30653	CadSNP6248	<i>Desi</i>	Ca_Desig_Scaffold00113	292185	(T/G)
30654	CadSNP6249	<i>Desi</i>	Ca_Desig_Scaffold00113	292199	(A/T)
30655	CadSNP6250	<i>Desi</i>	Ca_Desig_Scaffold00113	292200	(T/A)
30656	CadSNP6251	<i>Desi</i>	Ca_Desig_Scaffold00113	292296	(T/G)
30657	CadSNP6252	<i>Desi</i>	Ca_Desig_Scaffold00113	292274	(C/T)
30658	CadSNP6253	<i>Desi</i>	Ca_Desig_Scaffold00119	80789	(C/A)
30659	CadSNP6254	<i>Desi</i>	Ca_Desig_Scaffold00119	196221	(G/A)
30660	CadSNP6255	<i>Desi</i>	Ca_Desig_Scaffold00119	196235	(A/C)
30661	CadSNP6256	<i>Desi</i>	Ca_Desig_Scaffold00119	197002	(C/A)
30662	CadSNP6257	<i>Desi</i>	Ca_Desig_Scaffold00119	212218	(T/C)
30663	CadSNP6258	<i>Desi</i>	Ca_Desig_Scaffold00119	281181	(T/G)
30664	CadSNP6259	<i>Desi</i>	Ca_Desig_Scaffold00119	281265	(C/G)
30665	CadSNP6260	<i>Desi</i>	Ca_Desig_Scaffold00122	143484	(T/G)

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30666	CadSNP6261	<i>Desi</i>	Ca_Desig_Scaffold00122	161513	(A/G)
30667	CadSNP6262	<i>Desi</i>	Ca_Desig_Scaffold00122	161470	(T/C)
30668	CadSNP6263	<i>Desi</i>	Ca_Desig_Scaffold00122	209055	(T/C)
30669	CadSNP6264	<i>Desi</i>	Ca_Desig_Scaffold00122	291001	(T/C)
30670	CadSNP6265	<i>Desi</i>	Ca_Desig_Scaffold00122	290989	(C/T)
30671	CadSNP6266	<i>Desi</i>	Ca_Desig_Scaffold00122	290984	(G/A)
30672	CadSNP6267	<i>Desi</i>	Ca_Desig_Scaffold00122	291866	(T/C)
30673	CadSNP6268	<i>Desi</i>	Ca_Desig_Scaffold00122	291870	(C/T)
30674	CadSNP6269	<i>Desi</i>	Ca_Desig_Scaffold00122	291887	(G/C)
30675	CadSNP6270	<i>Desi</i>	Ca_Desig_Scaffold00122	291891	(C/A)
30676	CadSNP6271	<i>Desi</i>	Ca_Desig_Scaffold00122	291914	(C/T)
30677	CadSNP6272	<i>Desi</i>	Ca_Desig_Scaffold00122	291917	(A/G)
30678	CadSNP6273	<i>Desi</i>	Ca_Desig_Scaffold00122	291919	(A/G)
30679	CadSNP6274	<i>Desi</i>	Ca_Desig_Scaffold00122	291929	(A/G)
30680	CadSNP6275	<i>Desi</i>	Ca_Desig_Scaffold00122	291934	(A/T)
30681	CadSNP6276	<i>Desi</i>	Ca_Desig_Scaffold00122	294611	(T/C)
30682	CadSNP6277	<i>Desi</i>	Ca_Desig_Scaffold00126	26211	(C/T)
30683	CadSNP6278	<i>Desi</i>	Ca_Desig_Scaffold00126	26232	(A/G)
30684	CadSNP6279	<i>Desi</i>	Ca_Desig_Scaffold00126	26254	(G/C)
30685	CadSNP6280	<i>Desi</i>	Ca_Desig_Scaffold00126	90665	(C/T)
30686	CadSNP6281	<i>Desi</i>	Ca_Desig_Scaffold00126	91094	(A/C)
30687	CadSNP6282	<i>Desi</i>	Ca_Desig_Scaffold00126	91095	(G/T)
30688	CadSNP6283	<i>Desi</i>	Ca_Desig_Scaffold00126	91222	(C/A)
30689	CadSNP6284	<i>Desi</i>	Ca_Desig_Scaffold00126	163844	(G/A)
30690	CadSNP6285	<i>Desi</i>	Ca_Desig_Scaffold00126	224780	(A/G)
30691	CadSNP6286	<i>Desi</i>	Ca_Desig_Scaffold00126	224738	(A/G)
30692	CadSNP6287	<i>Desi</i>	Ca_Desig_Scaffold00126	224737	(C/G)
30693	CadSNP6288	<i>Desi</i>	Ca_Desig_Scaffold00126	224735	(A/T)
30694	CadSNP6289	<i>Desi</i>	Ca_Desig_Scaffold00126	224732	(A/T)
30695	CadSNP6290	<i>Desi</i>	Ca_Desig_Scaffold00126	224729	(G/A)
30696	CadSNP6291	<i>Desi</i>	Ca_Desig_Scaffold00126	224726	(C/T)
30697	CadSNP6292	<i>Desi</i>	Ca_Desig_Scaffold00126	224717	(T/A)
30698	CadSNP6293	<i>Desi</i>	Ca_Desig_Scaffold00126	224762	(T/C)
30699	CadSNP6294	<i>Desi</i>	Ca_Desig_Scaffold00126	224765	(A/T)
30700	CadSNP6295	<i>Desi</i>	Ca_Desig_Scaffold00126	224767	(G/T)
30701	CadSNP6296	<i>Desi</i>	Ca_Desig_Scaffold00126	224770	(G/T)
30702	CadSNP6297	<i>Desi</i>	Ca_Desig_Scaffold00126	224771	(A/T)
30703	CadSNP6298	<i>Desi</i>	Ca_Desig_Scaffold00126	224773	(C/T)

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30704	CadSNP6299	<i>Desi</i>	Ca_Desig_Scaffold00126	224774	(C/T)
30705	CadSNP6300	<i>Desi</i>	Ca_Desig_Scaffold00126	224776	(A/G)
30706	CadSNP6301	<i>Desi</i>	Ca_Desig_Scaffold00126	224789	(G/T)
30707	CadSNP6302	<i>Desi</i>	Ca_Desig_Scaffold00126	224794	(C/A)
30708	CadSNP6303	<i>Desi</i>	Ca_Desig_Scaffold00126	281754	(T/C)
30709	CadSNP6304	<i>Desi</i>	Ca_Desig_Scaffold00126	281759	(C/A)
30710	CadSNP6305	<i>Desi</i>	Ca_Desig_Scaffold00126	281764	(C/T)
30711	CadSNP6306	<i>Desi</i>	Ca_Desig_Scaffold00126	281774	(C/T)
30712	CadSNP6307	<i>Desi</i>	Ca_Desig_Scaffold00126	281782	(C/T)
30713	CadSNP6308	<i>Desi</i>	Ca_Desig_Scaffold00126	281791	(G/C)
30714	CadSNP6309	<i>Desi</i>	Ca_Desig_Scaffold00126	281792	(A/T)
30715	CadSNP6310	<i>Desi</i>	Ca_Desig_Scaffold00126	281887	(A/T)
30716	CadSNP6311	<i>Desi</i>	Ca_Desig_Scaffold00126	281873	(G/A)
30717	CadSNP6312	<i>Desi</i>	Ca_Desig_Scaffold00126	281856	(G/C)
30718	CadSNP6313	<i>Desi</i>	Ca_Desig_Scaffold00126	282106	(C/G)
30719	CadSNP6314	<i>Desi</i>	Ca_Desig_Scaffold00126	282153	(T/C)
30720	CadSNP6315	<i>Desi</i>	Ca_Desig_Scaffold00126	282271	(A/G)
30721	CadSNP6316	<i>Desi</i>	Ca_Desig_Scaffold00126	282254	(A/G)
30722	CadSNP6317	<i>Desi</i>	Ca_Desig_Scaffold00126	282248	(G/A)
30723	CadSNP6318	<i>Desi</i>	Ca_Desig_Scaffold00126	284041	(A/T)
30724	CadSNP6319	<i>Desi</i>	Ca_Desig_Scaffold00126	284044	(T/C)
30725	CadSNP6320	<i>Desi</i>	Ca_Desig_Scaffold00126	284053	(C/T)
30726	CadSNP6321	<i>Desi</i>	Ca_Desig_Scaffold00126	284062	(T/G)
30727	CadSNP6322	<i>Desi</i>	Ca_Desig_Scaffold00126	284063	(G/T)
30728	CadSNP6323	<i>Desi</i>	Ca_Desig_Scaffold00126	284070	(T/C)
30729	CadSNP6324	<i>Desi</i>	Ca_Desig_Scaffold00126	284071	(A/C)
30730	CadSNP6325	<i>Desi</i>	Ca_Desig_Scaffold00126	284084	(T/C)
30731	CadSNP6326	<i>Desi</i>	Ca_Desig_Scaffold00126	284095	(C/A)
30732	CadSNP6327	<i>Desi</i>	Ca_Desig_Scaffold00126	284119	(G/T)
30733	CadSNP6328	<i>Desi</i>	Ca_Desig_Scaffold00126	284154	(A/T)
30734	CadSNP6329	<i>Desi</i>	Ca_Desig_Scaffold00126	284145	(A/T)
30735	CadSNP6330	<i>Desi</i>	Ca_Desig_Scaffold00126	284144	(T/C)
30736	CadSNP6331	<i>Desi</i>	Ca_Desig_Scaffold00126	284113	(C/T)
30737	CadSNP6332	<i>Desi</i>	Ca_Desig_Scaffold00126	284590	(G/C)
30738	CadSNP6333	<i>Desi</i>	Ca_Desig_Scaffold00126	284579	(A/T)
30739	CadSNP6334	<i>Desi</i>	Ca_Desig_Scaffold00126	284538	(A/G)
30740	CadSNP6335	<i>Desi</i>	Ca_Desig_Scaffold00126	284532	(C/G)
30741	CadSNP6336	<i>Desi</i>	Ca_Desig_Scaffold00126	284526	(T/G)

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30742	CadSNP6337	<i>Desi</i>	Ca_Desig_Scaffold00126	284521	(C/G)
30743	CadSNP6338	<i>Desi</i>	Ca_Desig_Scaffold00126	300818	(C/T)
30744	CadSNP6339	<i>Desi</i>	Ca_Desig_Scaffold00143	45768	(G/A)
30745	CadSNP6340	<i>Desi</i>	Ca_Desig_Scaffold00143	45763	(C/A)
30746	CadSNP6341	<i>Desi</i>	Ca_Desig_Scaffold00143	45758	(T/C)
30747	CadSNP6342	<i>Desi</i>	Ca_Desig_Scaffold00143	45745	(T/C)
30748	CadSNP6343	<i>Desi</i>	Ca_Desig_Scaffold00143	123133	(C/T)
30749	CadSNP6344	<i>Desi</i>	Ca_Desig_Scaffold00143	130642	(G/A)
30750	CadSNP6345	<i>Desi</i>	Ca_Desig_Scaffold00143	167080	(G/T)
30751	CadSNP6346	<i>Desi</i>	Ca_Desig_Scaffold00143	208043	(G/A)
30752	CadSNP6347	<i>Desi</i>	Ca_Desig_Scaffold00143	208021	(A/C)
30753	CadSNP6348	<i>Desi</i>	Ca_Desig_Scaffold00143	229479	(T/G)
30754	CadSNP6349	<i>Desi</i>	Ca_Desig_Scaffold00143	229646	(G/A)
30755	CadSNP6350	<i>Desi</i>	Ca_Desig_Scaffold00156	35178	(T/C)
30756	CadSNP6351	<i>Desi</i>	Ca_Desig_Scaffold00156	180457	(T/C)
30757	CadSNP6352	<i>Desi</i>	Ca_Desig_Scaffold00156	189928	(C/A)
30758	CadSNP6353	<i>Desi</i>	Ca_Desig_Scaffold00156	189929	(T/G)
30759	CadSNP6354	<i>Desi</i>	Ca_Desig_Scaffold00156	190974	(A/G)
30760	CadSNP6355	<i>Desi</i>	Ca_Desig_Scaffold00156	191032	(G/A)
30761	CadSNP6356	<i>Desi</i>	Ca_Desig_Scaffold00156	276233	(T/A)
30762	CadSNP6357	<i>Desi</i>	Ca_Desig_Scaffold00156	276187	(A/C)
30763	CadSNP6358	<i>Desi</i>	Ca_Desig_Scaffold00156	278823	(C/T)
30764	CadSNP6359	<i>Desi</i>	Ca_Desig_Scaffold00157	34427	(T/C)
30765	CadSNP6360	<i>Desi</i>	Ca_Desig_Scaffold00157	34611	(G/A)
30766	CadSNP6361	<i>Desi</i>	Ca_Desig_Scaffold00157	55197	(T/C)
30767	CadSNP6362	<i>Desi</i>	Ca_Desig_Scaffold00157	103426	(C/G)
30768	CadSNP6363	<i>Desi</i>	Ca_Desig_Scaffold00157	103436	(A/G)
30769	CadSNP6364	<i>Desi</i>	Ca_Desig_Scaffold00157	108965	(A/C)
30770	CadSNP6365	<i>Desi</i>	Ca_Desig_Scaffold00157	108963	(C/G)
30771	CadSNP6366	<i>Desi</i>	Ca_Desig_Scaffold00157	110848	(G/A)
30772	CadSNP6367	<i>Desi</i>	Ca_Desig_Scaffold00157	110844	(G/C)
30773	CadSNP6368	<i>Desi</i>	Ca_Desig_Scaffold00157	112334	(A/G)
30774	CadSNP6369	<i>Desi</i>	Ca_Desig_Scaffold00157	112338	(G/C)
30775	CadSNP6370	<i>Desi</i>	Ca_Desig_Scaffold00157	112345	(A/G)
30776	CadSNP6371	<i>Desi</i>	Ca_Desig_Scaffold00157	153618	(G/T)
30777	CadSNP6372	<i>Desi</i>	Ca_Desig_Scaffold00157	153639	(A/G)
30778	CadSNP6373	<i>Desi</i>	Ca_Desig_Scaffold00157	165481	(C/G)
30779	CadSNP6374	<i>Desi</i>	Ca_Desig_Scaffold00157	176973	(C/G)

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30780	CadSNP6375	<i>Desi</i>	Ca_Desig_Scaffold00157	177005	(G/C)
30781	CadSNP6376	<i>Desi</i>	Ca_Desig_Scaffold00157	177355	(A/G)
30782	CadSNP6377	<i>Desi</i>	Ca_Desig_Scaffold00157	177423	(G/T)
30783	CadSNP6378	<i>Desi</i>	Ca_Desig_Scaffold00157	181918	(A/T)
30784	CadSNP6379	<i>Desi</i>	Ca_Desig_Scaffold00157	181989	(C/A)
30785	CadSNP6380	<i>Desi</i>	Ca_Desig_Scaffold00157	276548	(A/C)
30786	CadSNP6381	<i>Desi</i>	Ca_Desig_Scaffold00158	28882	(A/C)
30787	CadSNP6382	<i>Desi</i>	Ca_Desig_Scaffold00158	28876	(G/A)
30788	CadSNP6383	<i>Desi</i>	Ca_Desig_Scaffold00158	28873	(T/C)
30789	CadSNP6384	<i>Desi</i>	Ca_Desig_Scaffold00158	28871	(T/A)
30790	CadSNP6385	<i>Desi</i>	Ca_Desig_Scaffold00158	28868	(T/G)
30791	CadSNP6386	<i>Desi</i>	Ca_Desig_Scaffold00158	28845	(G/C)
30792	CadSNP6387	<i>Desi</i>	Ca_Desig_Scaffold00158	34623	(T/A)
30793	CadSNP6388	<i>Desi</i>	Ca_Desig_Scaffold00158	36658	(T/C)
30794	CadSNP6389	<i>Desi</i>	Ca_Desig_Scaffold00158	42883	(A/G)
30795	CadSNP6390	<i>Desi</i>	Ca_Desig_Scaffold00158	90025	(C/T)
30796	CadSNP6391	<i>Desi</i>	Ca_Desig_Scaffold00158	121408	(T/C)
30797	CadSNP6392	<i>Desi</i>	Ca_Desig_Scaffold00158	121424	(A/G)
30798	CadSNP6393	<i>Desi</i>	Ca_Desig_Scaffold00158	121538	(A/T)
30799	CadSNP6394	<i>Desi</i>	Ca_Desig_Scaffold00158	121478	(C/G)
30800	CadSNP6395	<i>Desi</i>	Ca_Desig_Scaffold00158	121477	(A/C)
30801	CadSNP6396	<i>Desi</i>	Ca_Desig_Scaffold00158	121474	(C/T)
30802	CadSNP6397	<i>Desi</i>	Ca_Desig_Scaffold00158	121471	(G/A)
30803	CadSNP6398	<i>Desi</i>	Ca_Desig_Scaffold00158	221533	(G/A)
30804	CadSNP6399	<i>Desi</i>	Ca_Desig_Scaffold00158	231918	(T/G)
30805	CadSNP6400	<i>Desi</i>	Ca_Desig_Scaffold00158	253852	(G/T)
30806	CadSNP6401	<i>Desi</i>	Ca_Desig_Scaffold00158	253864	(A/G)
30807	CadSNP6402	<i>Desi</i>	Ca_Desig_Scaffold00158	253869	(C/T)
30808	CadSNP6403	<i>Desi</i>	Ca_Desig_Scaffold00158	253887	(C/T)
30809	CadSNP6404	<i>Desi</i>	Ca_Desig_Scaffold00158	261519	(G/A)
30810	CadSNP6405	<i>Desi</i>	Ca_Desig_Scaffold00158	264970	(T/G)
30811	CadSNP6406	<i>Desi</i>	Ca_Desig_Scaffold00159	957	(C/T)
30812	CadSNP6407	<i>Desi</i>	Ca_Desig_Scaffold00159	34335	(G/A)
30813	CadSNP6408	<i>Desi</i>	Ca_Desig_Scaffold00159	81934	(G/A)
30814	CadSNP6409	<i>Desi</i>	Ca_Desig_Scaffold00159	90294	(C/T)
30815	CadSNP6410	<i>Desi</i>	Ca_Desig_Scaffold00159	90295	(A/T)
30816	CadSNP6411	<i>Desi</i>	Ca_Desig_Scaffold00159	92340	(A/T)
30817	CadSNP6412	<i>Desi</i>	Ca_Desig_Scaffold00159	92339	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30818	CadSNP6413	<i>Desi</i>	Ca_Desig_Scaffold00159	94279	(T/A)
30819	CadSNP6414	<i>Desi</i>	Ca_Desig_Scaffold00159	137438	(T/C)
30820	CadSNP6415	<i>Desi</i>	Ca_Desig_Scaffold00159	141885	(C/T)
30821	CadSNP6416	<i>Desi</i>	Ca_Desig_Scaffold00159	143308	(A/G)
30822	CadSNP6417	<i>Desi</i>	Ca_Desig_Scaffold00159	143377	(A/G)
30823	CadSNP6418	<i>Desi</i>	Ca_Desig_Scaffold00159	164140	(G/T)
30824	CadSNP6419	<i>Desi</i>	Ca_Desig_Scaffold00159	164128	(A/G)
30825	CadSNP6420	<i>Desi</i>	Ca_Desig_Scaffold00159	164099	(A/C)
30826	CadSNP6421	<i>Desi</i>	Ca_Desig_Scaffold00159	186208	(T/C)
30827	CadSNP6422	<i>Desi</i>	Ca_Desig_Scaffold00159	186383	(A/C)
30828	CadSNP6423	<i>Desi</i>	Ca_Desig_Scaffold00159	188770	(A/G)
30829	CadSNP6424	<i>Desi</i>	Ca_Desig_Scaffold00159	188788	(T/C)
30830	CadSNP6425	<i>Desi</i>	Ca_Desig_Scaffold00159	188800	(C/T)
30831	CadSNP6426	<i>Desi</i>	Ca_Desig_Scaffold00159	191154	(C/T)
30832	CadSNP6427	<i>Desi</i>	Ca_Desig_Scaffold00159	197689	(C/T)
30833	CadSNP6428	<i>Desi</i>	Ca_Desig_Scaffold00159	220494	(A/G)
30834	CadSNP6429	<i>Desi</i>	Ca_Desig_Scaffold00159	220649	(T/C)
30835	CadSNP6430	<i>Desi</i>	Ca_Desig_Scaffold00159	263587	(A/C)
30836	CadSNP6431	<i>Desi</i>	Ca_Desig_Scaffold00159	263627	(C/T)
30837	CadSNP6432	<i>Desi</i>	Ca_Desig_Scaffold00159	263751	(T/A)
30838	CadSNP6433	<i>Desi</i>	Ca_Desig_Scaffold00159	263952	(A/G)
30839	CadSNP6434	<i>Desi</i>	Ca_Desig_Scaffold00159	263922	(A/T)
30840	CadSNP6435	<i>Desi</i>	Ca_Desig_Scaffold00160	42736	(T/C)
30841	CadSNP6436	<i>Desi</i>	Ca_Desig_Scaffold00160	44052	(C/T)
30842	CadSNP6437	<i>Desi</i>	Ca_Desig_Scaffold00160	51039	(A/C)
30843	CadSNP6438	<i>Desi</i>	Ca_Desig_Scaffold00160	51114	(G/C)
30844	CadSNP6439	<i>Desi</i>	Ca_Desig_Scaffold00160	65320	(T/A)
30845	CadSNP6440	<i>Desi</i>	Ca_Desig_Scaffold00160	65288	(A/G)
30846	CadSNP6441	<i>Desi</i>	Ca_Desig_Scaffold00160	207418	(T/C)
30847	CadSNP6442	<i>Desi</i>	Ca_Desig_Scaffold00160	207661	(G/T)
30848	CadSNP6443	<i>Desi</i>	Ca_Desig_Scaffold00160	207660	(A/G)
30849	CadSNP6444	<i>Desi</i>	Ca_Desig_Scaffold00160	207653	(T/C)
30850	CadSNP6445	<i>Desi</i>	Ca_Desig_Scaffold00160	207594	(T/A)
30851	CadSNP6446	<i>Desi</i>	Ca_Desig_Scaffold00160	207670	(A/C)
30852	CadSNP6447	<i>Desi</i>	Ca_Desig_Scaffold00160	207671	(G/T)
30853	CadSNP6448	<i>Desi</i>	Ca_Desig_Scaffold00160	219360	(T/C)
30854	CadSNP6449	<i>Desi</i>	Ca_Desig_Scaffold00160	235306	(T/C)
30855	CadSNP6450	<i>Desi</i>	Ca_Desig_Scaffold00166	149845	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30856	CadSNP6451	<i>Desi</i>	Ca_Desig_Scaffold00167	274129	(C/T)
30857	CadSNP6452	<i>Desi</i>	Ca_Desig_Scaffold00167	274127	(A/C)
30858	CadSNP6453	<i>Desi</i>	Ca_Desig_Scaffold00173	11747	(A/C)
30859	CadSNP6454	<i>Desi</i>	Ca_Desig_Scaffold00173	24653	(T/C)
30860	CadSNP6455	<i>Desi</i>	Ca_Desig_Scaffold00173	24967	(T/C)
30861	CadSNP6456	<i>Desi</i>	Ca_Desig_Scaffold00173	45462	(G/T)
30862	CadSNP6457	<i>Desi</i>	Ca_Desig_Scaffold00173	84133	(C/T)
30863	CadSNP6458	<i>Desi</i>	Ca_Desig_Scaffold00173	85327	(A/T)
30864	CadSNP6459	<i>Desi</i>	Ca_Desig_Scaffold00173	138184	(T/A)
30865	CadSNP6460	<i>Desi</i>	Ca_Desig_Scaffold00173	170919	(C/A)
30866	CadSNP6461	<i>Desi</i>	Ca_Desig_Scaffold00173	192249	(T/C)
30867	CadSNP6462	<i>Desi</i>	Ca_Desig_Scaffold00173	192227	(G/C)
30868	CadSNP6463	<i>Desi</i>	Ca_Desig_Scaffold00173	219475	(T/A)
30869	CadSNP6464	<i>Desi</i>	Ca_Desig_Scaffold00185	59279	(C/T)
30870	CadSNP6465	<i>Desi</i>	Ca_Desig_Scaffold00185	59243	(C/T)
30871	CadSNP6466	<i>Desi</i>	Ca_Desig_Scaffold00185	59284	(G/C)
30872	CadSNP6467	<i>Desi</i>	Ca_Desig_Scaffold00185	59278	(A/G)
30873	CadSNP6468	<i>Desi</i>	Ca_Desig_Scaffold00185	103009	(T/G)
30874	CadSNP6469	<i>Desi</i>	Ca_Desig_Scaffold00185	103016	(T/G)
30875	CadSNP6470	<i>Desi</i>	Ca_Desig_Scaffold00185	103043	(T/G)
30876	CadSNP6471	<i>Desi</i>	Ca_Desig_Scaffold00185	129102	(A/G)
30877	CadSNP6472	<i>Desi</i>	Ca_Desig_Scaffold00185	146222	(C/T)
30878	CadSNP6473	<i>Desi</i>	Ca_Desig_Scaffold00185	148508	(C/T)
30879	CadSNP6474	<i>Desi</i>	Ca_Desig_Scaffold00185	148527	(A/G)
30880	CadSNP6475	<i>Desi</i>	Ca_Desig_Scaffold00185	156748	(G/T)
30881	CadSNP6476	<i>Desi</i>	Ca_Desig_Scaffold00185	156780	(G/C)
30882	CadSNP6477	<i>Desi</i>	Ca_Desig_Scaffold00185	156805	(G/C)
30883	CadSNP6478	<i>Desi</i>	Ca_Desig_Scaffold00185	177963	(T/C)
30884	CadSNP6479	<i>Desi</i>	Ca_Desig_Scaffold00185	178604	(A/G)
30885	CadSNP6480	<i>Desi</i>	Ca_Desig_Scaffold00185	178989	(T/G)
30886	CadSNP6481	<i>Desi</i>	Ca_Desig_Scaffold00185	179106	(G/A)
30887	CadSNP6482	<i>Desi</i>	Ca_Desig_Scaffold00185	180378	(A/T)
30888	CadSNP6483	<i>Desi</i>	Ca_Desig_Scaffold00185	180496	(A/G)
30889	CadSNP6484	<i>Desi</i>	Ca_Desig_Scaffold00185	192195	(A/T)
30890	CadSNP6485	<i>Desi</i>	Ca_Desig_Scaffold00185	192240	(A/G)
30891	CadSNP6486	<i>Desi</i>	Ca_Desig_Scaffold00185	208965	(A/G)
30892	CadSNP6487	<i>Desi</i>	Ca_Desig_Scaffold00185	297692	(A/G)
30893	CadSNP6488	<i>Desi</i>	Ca_Desig_Scaffold00185	310357	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30894	CadSNP6489	<i>Desi</i>	Ca_Desig_Scaffold00185	320755	(T/C)
30895	CadSNP6490	<i>Desi</i>	Ca_Desig_Scaffold00186	29368	(G/A)
30896	CadSNP6491	<i>Desi</i>	Ca_Desig_Scaffold00186	29432	(G/A)
30897	CadSNP6492	<i>Desi</i>	Ca_Desig_Scaffold00186	29516	(G/T)
30898	CadSNP6493	<i>Desi</i>	Ca_Desig_Scaffold00186	89915	(T/G)
30899	CadSNP6494	<i>Desi</i>	Ca_Desig_Scaffold00186	122654	(G/T)
30900	CadSNP6495	<i>Desi</i>	Ca_Desig_Scaffold00186	122928	(G/A)
30901	CadSNP6496	<i>Desi</i>	Ca_Desig_Scaffold00186	122954	(C/G)
30902	CadSNP6497	<i>Desi</i>	Ca_Desig_Scaffold00186	123065	(C/T)
30903	CadSNP6498	<i>Desi</i>	Ca_Desig_Scaffold00186	125682	(T/A)
30904	CadSNP6499	<i>Desi</i>	Ca_Desig_Scaffold00186	128690	(G/T)
30905	CadSNP6500	<i>Desi</i>	Ca_Desig_Scaffold00186	128807	(T/A)
30906	CadSNP6501	<i>Desi</i>	Ca_Desig_Scaffold00186	128818	(A/G)
30907	CadSNP6502	<i>Desi</i>	Ca_Desig_Scaffold00186	128945	(T/A)
30908	CadSNP6503	<i>Desi</i>	Ca_Desig_Scaffold00186	128938	(T/A)
30909	CadSNP6504	<i>Desi</i>	Ca_Desig_Scaffold00186	128910	(C/T)
30910	CadSNP6505	<i>Desi</i>	Ca_Desig_Scaffold00186	128900	(C/T)
30911	CadSNP6506	<i>Desi</i>	Ca_Desig_Scaffold00186	129020	(C/T)
30912	CadSNP6507	<i>Desi</i>	Ca_Desig_Scaffold00186	129050	(C/A)
30913	CadSNP6508	<i>Desi</i>	Ca_Desig_Scaffold00186	139764	(A/C)
30914	CadSNP6509	<i>Desi</i>	Ca_Desig_Scaffold00186	140692	(T/C)
30915	CadSNP6510	<i>Desi</i>	Ca_Desig_Scaffold00186	167587	(T/C)
30916	CadSNP6511	<i>Desi</i>	Ca_Desig_Scaffold00186	170186	(T/G)
30917	CadSNP6512	<i>Desi</i>	Ca_Desig_Scaffold00186	170178	(T/C)
30918	CadSNP6513	<i>Desi</i>	Ca_Desig_Scaffold00186	170383	(T/A)
30919	CadSNP6514	<i>Desi</i>	Ca_Desig_Scaffold00186	170363	(G/A)
30920	CadSNP6515	<i>Desi</i>	Ca_Desig_Scaffold00186	170351	(G/A)
30921	CadSNP6516	<i>Desi</i>	Ca_Desig_Scaffold00186	170490	(A/G)
30922	CadSNP6517	<i>Desi</i>	Ca_Desig_Scaffold00186	170617	(G/A)
30923	CadSNP6518	<i>Desi</i>	Ca_Desig_Scaffold00186	170588	(A/G)
30924	CadSNP6519	<i>Desi</i>	Ca_Desig_Scaffold00186	170581	(G/T)
30925	CadSNP6520	<i>Desi</i>	Ca_Desig_Scaffold00186	170547	(A/C)
30926	CadSNP6521	<i>Desi</i>	Ca_Desig_Scaffold00186	170537	(G/A)
30927	CadSNP6522	<i>Desi</i>	Ca_Desig_Scaffold00189	34479	(T/C)
30928	CadSNP6523	<i>Desi</i>	Ca_Desig_Scaffold00189	34481	(A/C)
30929	CadSNP6524	<i>Desi</i>	Ca_Desig_Scaffold00189	34506	(C/T)
30930	CadSNP6525	<i>Desi</i>	Ca_Desig_Scaffold00189	34520	(T/A)
30931	CadSNP6526	<i>Desi</i>	Ca_Desig_Scaffold00189	34568	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30932	CadSNP6527	<i>Desi</i>	Ca_Desig_Scaffold00189	104894	(C/T)
30933	CadSNP6528	<i>Desi</i>	Ca_Desig_Scaffold00189	194986	(T/G)
30934	CadSNP6529	<i>Desi</i>	Ca_Desig_Scaffold00189	219108	(G/C)
30935	CadSNP6530	<i>Desi</i>	Ca_Desig_Scaffold00192	3684	(C/G)
30936	CadSNP6531	<i>Desi</i>	Ca_Desig_Scaffold00192	68626	(G/A)
30937	CadSNP6532	<i>Desi</i>	Ca_Desig_Scaffold00192	68594	(T/C)
30938	CadSNP6533	<i>Desi</i>	Ca_Desig_Scaffold00192	68571	(T/A)
30939	CadSNP6534	<i>Desi</i>	Ca_Desig_Scaffold00192	115493	(A/C)
30940	CadSNP6535	<i>Desi</i>	Ca_Desig_Scaffold00192	115905	(A/C)
30941	CadSNP6536	<i>Desi</i>	Ca_Desig_Scaffold00192	118940	(C/T)
30942	CadSNP6537	<i>Desi</i>	Ca_Desig_Scaffold00192	119029	(G/A)
30943	CadSNP6538	<i>Desi</i>	Ca_Desig_Scaffold00192	130520	(A/G)
30944	CadSNP6539	<i>Desi</i>	Ca_Desig_Scaffold00192	130600	(G/T)
30945	CadSNP6540	<i>Desi</i>	Ca_Desig_Scaffold00192	167233	(C/T)
30946	CadSNP6541	<i>Desi</i>	Ca_Desig_Scaffold00192	167157	(C/A)
30947	CadSNP6542	<i>Desi</i>	Ca_Desig_Scaffold00192	167155	(T/A)
30948	CadSNP6543	<i>Desi</i>	Ca_Desig_Scaffold00192	168795	(G/T)
30949	CadSNP6544	<i>Desi</i>	Ca_Desig_Scaffold00192	168852	(C/T)
30950	CadSNP6545	<i>Desi</i>	Ca_Desig_Scaffold00192	175467	(A/G)
30951	CadSNP6546	<i>Desi</i>	Ca_Desig_Scaffold00192	175473	(C/A)
30952	CadSNP6547	<i>Desi</i>	Ca_Desig_Scaffold00192	184074	(T/C)
30953	CadSNP6548	<i>Desi</i>	Ca_Desig_Scaffold00192	193560	(A/G)
30954	CadSNP6549	<i>Desi</i>	Ca_Desig_Scaffold00192	193648	(C/T)
30955	CadSNP6550	<i>Desi</i>	Ca_Desig_Scaffold00192	194430	(A/T)
30956	CadSNP6551	<i>Desi</i>	Ca_Desig_Scaffold00192	195026	(A/G)
30957	CadSNP6552	<i>Desi</i>	Ca_Desig_Scaffold00192	230009	(A/G)
30958	CadSNP6553	<i>Desi</i>	Ca_Desig_Scaffold00192	250092	(C/T)
30959	CadSNP6554	<i>Desi</i>	Ca_Desig_Scaffold00195	32107	(G/T)
30960	CadSNP6555	<i>Desi</i>	Ca_Desig_Scaffold00195	107454	(A/C)
30961	CadSNP6556	<i>Desi</i>	Ca_Desig_Scaffold00195	157347	(T/C)
30962	CadSNP6557	<i>Desi</i>	Ca_Desig_Scaffold00195	157422	(C/T)
30963	CadSNP6558	<i>Desi</i>	Ca_Desig_Scaffold00195	157479	(A/G)
30964	CadSNP6559	<i>Desi</i>	Ca_Desig_Scaffold00195	157480	(A/G)
30965	CadSNP6560	<i>Desi</i>	Ca_Desig_Scaffold00195	157483	(A/G)
30966	CadSNP6561	<i>Desi</i>	Ca_Desig_Scaffold00195	157509	(A/T)
30967	CadSNP6562	<i>Desi</i>	Ca_Desig_Scaffold00195	157518	(G/A)
30968	CadSNP6563	<i>Desi</i>	Ca_Desig_Scaffold00197	44774	(T/C)
30969	CadSNP6564	<i>Desi</i>	Ca_Desig_Scaffold00198	33328	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
30970	CadSNP6565	<i>Desi</i>	Ca_Desig_Scaffold00198	37325	(A/C)
30971	CadSNP6566	<i>Desi</i>	Ca_Desig_Scaffold00198	38274	(C/A)
30972	CadSNP6567	<i>Desi</i>	Ca_Desig_Scaffold00198	56679	(C/T)
30973	CadSNP6568	<i>Desi</i>	Ca_Desig_Scaffold00198	56706	(G/A)
30974	CadSNP6569	<i>Desi</i>	Ca_Desig_Scaffold00198	56729	(G/T)
30975	CadSNP6570	<i>Desi</i>	Ca_Desig_Scaffold00198	56842	(G/A)
30976	CadSNP6571	<i>Desi</i>	Ca_Desig_Scaffold00198	56938	(T/C)
30977	CadSNP6572	<i>Desi</i>	Ca_Desig_Scaffold00198	56936	(T/C)
30978	CadSNP6573	<i>Desi</i>	Ca_Desig_Scaffold00198	56929	(T/A)
30979	CadSNP6574	<i>Desi</i>	Ca_Desig_Scaffold00198	56926	(G/A)
30980	CadSNP6575	<i>Desi</i>	Ca_Desig_Scaffold00198	56923	(G/A)
30981	CadSNP6576	<i>Desi</i>	Ca_Desig_Scaffold00198	56917	(G/A)
30982	CadSNP6577	<i>Desi</i>	Ca_Desig_Scaffold00198	56914	(G/A)
30983	CadSNP6578	<i>Desi</i>	Ca_Desig_Scaffold00198	56905	(T/C)
30984	CadSNP6579	<i>Desi</i>	Ca_Desig_Scaffold00198	56902	(T/A)
30985	CadSNP6580	<i>Desi</i>	Ca_Desig_Scaffold00198	56899	(G/A)
30986	CadSNP6581	<i>Desi</i>	Ca_Desig_Scaffold00198	56896	(G/C)
30987	CadSNP6582	<i>Desi</i>	Ca_Desig_Scaffold00198	56874	(T/C)
30988	CadSNP6583	<i>Desi</i>	Ca_Desig_Scaffold00198	56873	(C/A)
30989	CadSNP6584	<i>Desi</i>	Ca_Desig_Scaffold00198	56866	(T/G)
30990	CadSNP6585	<i>Desi</i>	Ca_Desig_Scaffold00198	56857	(T/A)
30991	CadSNP6586	<i>Desi</i>	Ca_Desig_Scaffold00198	58641	(A/G)
30992	CadSNP6587	<i>Desi</i>	Ca_Desig_Scaffold00198	81198	(A/G)
30993	CadSNP6588	<i>Desi</i>	Ca_Desig_Scaffold00198	92912	(A/T)
30994	CadSNP6589	<i>Desi</i>	Ca_Desig_Scaffold00198	92917	(G/A)
30995	CadSNP6590	<i>Desi</i>	Ca_Desig_Scaffold00198	92923	(G/T)
30996	CadSNP6591	<i>Desi</i>	Ca_Desig_Scaffold00198	92924	(C/A)
30997	CadSNP6592	<i>Desi</i>	Ca_Desig_Scaffold00198	92929	(A/C)
30998	CadSNP6593	<i>Desi</i>	Ca_Desig_Scaffold00198	92930	(G/T)
30999	CadSNP6594	<i>Desi</i>	Ca_Desig_Scaffold00198	120090	(T/C)
31000	CadSNP6595	<i>Desi</i>	Ca_Desig_Scaffold00198	125851	(C/T)
31001	CadSNP6596	<i>Desi</i>	Ca_Desig_Scaffold00198	127126	(C/G)
31002	CadSNP6597	<i>Desi</i>	Ca_Desig_Scaffold00198	127237	(T/G)
31003	CadSNP6598	<i>Desi</i>	Ca_Desig_Scaffold00198	127227	(G/A)
31004	CadSNP6599	<i>Desi</i>	Ca_Desig_Scaffold00198	127225	(T/C)
31005	CadSNP6600	<i>Desi</i>	Ca_Desig_Scaffold00198	127224	(G/C)
31006	CadSNP6601	<i>Desi</i>	Ca_Desig_Scaffold00198	127217	(C/T)
31007	CadSNP6602	<i>Desi</i>	Ca_Desig_Scaffold00198	127216	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31008	CadSNP6603	<i>Desi</i>	Ca_Desig_Scaffold00198	127215	(T/A)
31009	CadSNP6604	<i>Desi</i>	Ca_Desig_Scaffold00198	127212	(A/T)
31010	CadSNP6605	<i>Desi</i>	Ca_Desig_Scaffold00198	127203	(C/T)
31011	CadSNP6606	<i>Desi</i>	Ca_Desig_Scaffold00198	127185	(A/G)
31012	CadSNP6607	<i>Desi</i>	Ca_Desig_Scaffold00198	129228	(T/C)
31013	CadSNP6608	<i>Desi</i>	Ca_Desig_Scaffold00198	129230	(G/A)
31014	CadSNP6609	<i>Desi</i>	Ca_Desig_Scaffold00198	129234	(T/G)
31015	CadSNP6610	<i>Desi</i>	Ca_Desig_Scaffold00198	129236	(T/A)
31016	CadSNP6611	<i>Desi</i>	Ca_Desig_Scaffold00198	129237	(T/C)
31017	CadSNP6612	<i>Desi</i>	Ca_Desig_Scaffold00198	129247	(C/T)
31018	CadSNP6613	<i>Desi</i>	Ca_Desig_Scaffold00198	129249	(C/T)
31019	CadSNP6614	<i>Desi</i>	Ca_Desig_Scaffold00198	129251	(A/C)
31020	CadSNP6615	<i>Desi</i>	Ca_Desig_Scaffold00198	129275	(C/T)
31021	CadSNP6616	<i>Desi</i>	Ca_Desig_Scaffold00198	129278	(A/T)
31022	CadSNP6617	<i>Desi</i>	Ca_Desig_Scaffold00198	129284	(G/T)
31023	CadSNP6618	<i>Desi</i>	Ca_Desig_Scaffold00198	129287	(A/G)
31024	CadSNP6619	<i>Desi</i>	Ca_Desig_Scaffold00198	129302	(C/T)
31025	CadSNP6620	<i>Desi</i>	Ca_Desig_Scaffold00198	129305	(A/G)
31026	CadSNP6621	<i>Desi</i>	Ca_Desig_Scaffold00198	129323	(T/C)
31027	CadSNP6622	<i>Desi</i>	Ca_Desig_Scaffold00198	129321	(C/A)
31028	CadSNP6623	<i>Desi</i>	Ca_Desig_Scaffold00198	129317	(T/C)
31029	CadSNP6624	<i>Desi</i>	Ca_Desig_Scaffold00198	129311	(T/A)
31030	CadSNP6625	<i>Desi</i>	Ca_Desig_Scaffold00198	194400	(C/G)
31031	CadSNP6626	<i>Desi</i>	Ca_Desig_Scaffold00198	198739	(A/C)
31032	CadSNP6627	<i>Desi</i>	Ca_Desig_Scaffold00198	214826	(C/T)
31033	CadSNP6628	<i>Desi</i>	Ca_Desig_Scaffold00198	214956	(A/G)
31034	CadSNP6629	<i>Desi</i>	Ca_Desig_Scaffold00198	221315	(G/A)
31035	CadSNP6630	<i>Desi</i>	Ca_Desig_Scaffold00198	221663	(T/C)
31036	CadSNP6631	<i>Desi</i>	Ca_Desig_Scaffold00198	221660	(C/T)
31037	CadSNP6632	<i>Desi</i>	Ca_Desig_Scaffold00198	221657	(C/T)
31038	CadSNP6633	<i>Desi</i>	Ca_Desig_Scaffold00198	221651	(A/T)
31039	CadSNP6634	<i>Desi</i>	Ca_Desig_Scaffold00198	221646	(G/A)
31040	CadSNP6635	<i>Desi</i>	Ca_Desig_Scaffold00198	221639	(C/T)
31041	CadSNP6636	<i>Desi</i>	Ca_Desig_Scaffold00198	221630	(A/G)
31042	CadSNP6637	<i>Desi</i>	Ca_Desig_Scaffold00198	221624	(A/G)
31043	CadSNP6638	<i>Desi</i>	Ca_Desig_Scaffold00198	221621	(C/A)
31044	CadSNP6639	<i>Desi</i>	Ca_Desig_Scaffold00198	221615	(C/T)
31045	CadSNP6640	<i>Desi</i>	Ca_Desig_Scaffold00198	222787	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31046	CadSNP6641	<i>Desi</i>	Ca_Desig_Scaffold00198	222870	(C/T)
31047	CadSNP6642	<i>Desi</i>	Ca_Desig_Scaffold00201	14745	(A/C)
31048	CadSNP6643	<i>Desi</i>	Ca_Desig_Scaffold00201	14823	(A/G)
31049	CadSNP6644	<i>Desi</i>	Ca_Desig_Scaffold00201	48334	(G/A)
31050	CadSNP6645	<i>Desi</i>	Ca_Desig_Scaffold00201	48403	(T/C)
31051	CadSNP6646	<i>Desi</i>	Ca_Desig_Scaffold00201	71030	(A/C)
31052	CadSNP6647	<i>Desi</i>	Ca_Desig_Scaffold00201	86483	(G/A)
31053	CadSNP6648	<i>Desi</i>	Ca_Desig_Scaffold00201	86504	(A/T)
31054	CadSNP6649	<i>Desi</i>	Ca_Desig_Scaffold00201	86529	(C/T)
31055	CadSNP6650	<i>Desi</i>	Ca_Desig_Scaffold00201	91208	(C/A)
31056	CadSNP6651	<i>Desi</i>	Ca_Desig_Scaffold00201	99027	(T/C)
31057	CadSNP6652	<i>Desi</i>	Ca_Desig_Scaffold00201	133497	(C/T)
31058	CadSNP6653	<i>Desi</i>	Ca_Desig_Scaffold00201	183190	(C/T)
31059	CadSNP6654	<i>Desi</i>	Ca_Desig_Scaffold00201	243244	(A/T)
31060	CadSNP6655	<i>Desi</i>	Ca_Desig_Scaffold00203	219495	(C/T)
31061	CadSNP6656	<i>Desi</i>	Ca_Desig_Scaffold00203	219498	(A/T)
31062	CadSNP6657	<i>Desi</i>	Ca_Desig_Scaffold00203	219503	(T/C)
31063	CadSNP6658	<i>Desi</i>	Ca_Desig_Scaffold00203	219524	(A/T)
31064	CadSNP6659	<i>Desi</i>	Ca_Desig_Scaffold00205	86217	(G/T)
31065	CadSNP6660	<i>Desi</i>	Ca_Desig_Scaffold00205	89202	(A/G)
31066	CadSNP6661	<i>Desi</i>	Ca_Desig_Scaffold00205	89221	(C/T)
31067	CadSNP6662	<i>Desi</i>	Ca_Desig_Scaffold00205	120215	(C/T)
31068	CadSNP6663	<i>Desi</i>	Ca_Desig_Scaffold00205	129498	(C/T)
31069	CadSNP6664	<i>Desi</i>	Ca_Desig_Scaffold00205	214041	(A/G)
31070	CadSNP6665	<i>Desi</i>	Ca_Desig_Scaffold00205	231224	(G/T)
31071	CadSNP6666	<i>Desi</i>	Ca_Desig_Scaffold00205	231239	(C/T)
31072	CadSNP6667	<i>Desi</i>	Ca_Desig_Scaffold00205	231384	(G/A)
31073	CadSNP6668	<i>Desi</i>	Ca_Desig_Scaffold00205	231408	(G/A)
31074	CadSNP6669	<i>Desi</i>	Ca_Desig_Scaffold00205	234325	(T/C)
31075	CadSNP6670	<i>Desi</i>	Ca_Desig_Scaffold00205	246703	(T/A)
31076	CadSNP6671	<i>Desi</i>	Ca_Desig_Scaffold00205	246722	(G/A)
31077	CadSNP6672	<i>Desi</i>	Ca_Desig_Scaffold00206	133708	(C/T)
31078	CadSNP6673	<i>Desi</i>	Ca_Desig_Scaffold00206	177814	(G/C)
31079	CadSNP6674	<i>Desi</i>	Ca_Desig_Scaffold00206	240969	(T/C)
31080	CadSNP6675	<i>Desi</i>	Ca_Desig_Scaffold00207	3804	(T/C)
31081	CadSNP6676	<i>Desi</i>	Ca_Desig_Scaffold00207	3862	(T/C)
31082	CadSNP6677	<i>Desi</i>	Ca_Desig_Scaffold00207	3890	(G/A)
31083	CadSNP6678	<i>Desi</i>	Ca_Desig_Scaffold00207	3944	(A/G)

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31084	CadSNP6679	<i>Desi</i>	Ca_Desig_Scaffold00207	3977	(G/A)
31085	CadSNP6680	<i>Desi</i>	Ca_Desig_Scaffold00207	4040	(A/G)
31086	CadSNP6681	<i>Desi</i>	Ca_Desig_Scaffold00207	6867	(T/C)
31087	CadSNP6682	<i>Desi</i>	Ca_Desig_Scaffold00207	19252	(G/C)
31088	CadSNP6683	<i>Desi</i>	Ca_Desig_Scaffold00207	30365	(G/C)
31089	CadSNP6684	<i>Desi</i>	Ca_Desig_Scaffold00207	101457	(G/A)
31090	CadSNP6685	<i>Desi</i>	Ca_Desig_Scaffold00207	164041	(T/C)
31091	CadSNP6686	<i>Desi</i>	Ca_Desig_Scaffold00207	164148	(C/A)
31092	CadSNP6687	<i>Desi</i>	Ca_Desig_Scaffold00208	63521	(T/C)
31093	CadSNP6688	<i>Desi</i>	Ca_Desig_Scaffold00210	50778	(G/T)
31094	CadSNP6689	<i>Desi</i>	Ca_Desig_Scaffold00210	55379	(T/C)
31095	CadSNP6690	<i>Desi</i>	Ca_Desig_Scaffold00210	175476	(C/T)
31096	CadSNP6691	<i>Desi</i>	Ca_Desig_Scaffold00210	205225	(G/A)
31097	CadSNP6692	<i>Desi</i>	Ca_Desig_Scaffold00210	205282	(G/C)
31098	CadSNP6693	<i>Desi</i>	Ca_Desig_Scaffold00210	205505	(T/C)
31099	CadSNP6694	<i>Desi</i>	Ca_Desig_Scaffold00210	205501	(C/T)
31100	CadSNP6695	<i>Desi</i>	Ca_Desig_Scaffold00210	205498	(G/A)
31101	CadSNP6696	<i>Desi</i>	Ca_Desig_Scaffold00210	205495	(A/G)
31102	CadSNP6697	<i>Desi</i>	Ca_Desig_Scaffold00210	205473	(A/G)
31103	CadSNP6698	<i>Desi</i>	Ca_Desig_Scaffold00210	205439	(C/A)
31104	CadSNP6699	<i>Desi</i>	Ca_Desig_Scaffold00210	205429	(A/G)
31105	CadSNP6700	<i>Desi</i>	Ca_Desig_Scaffold00210	239340	(C/G)
31106	CadSNP6701	<i>Desi</i>	Ca_Desig_Scaffold00210	239452	(G/A)
31107	CadSNP6702	<i>Desi</i>	Ca_Desig_Scaffold00210	239446	(T/C)
31108	CadSNP6703	<i>Desi</i>	Ca_Desig_Scaffold00210	239413	(C/A)
31109	CadSNP6704	<i>Desi</i>	Ca_Desig_Scaffold00211	793	(C/A)
31110	CadSNP6705	<i>Desi</i>	Ca_Desig_Scaffold00211	735	(G/A)
31111	CadSNP6706	<i>Desi</i>	Ca_Desig_Scaffold00211	767	(T/G)
31112	CadSNP6707	<i>Desi</i>	Ca_Desig_Scaffold00211	17731	(T/C)
31113	CadSNP6708	<i>Desi</i>	Ca_Desig_Scaffold00211	60878	(C/T)
31114	CadSNP6709	<i>Desi</i>	Ca_Desig_Scaffold00211	242967	(A/C)
31115	CadSNP6710	<i>Desi</i>	Ca_Desig_Scaffold00211	247464	(C/T)
31116	CadSNP6711	<i>Desi</i>	Ca_Desig_Scaffold00211	247446	(A/G)
31117	CadSNP6712	<i>Desi</i>	Ca_Desig_Scaffold00211	247430	(G/A)
31118	CadSNP6713	<i>Desi</i>	Ca_Desig_Scaffold00211	247429	(C/G)
31119	CadSNP6714	<i>Desi</i>	Ca_Desig_Scaffold00211	247419	(C/T)
31120	CadSNP6715	<i>Desi</i>	Ca_Desig_Scaffold00211	247418	(G/A)
31121	CadSNP6716	<i>Desi</i>	Ca_Desig_Scaffold00211	247406	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31122	CadSNP6717	<i>Desi</i>	Ca_Desig_Scaffold00211	247405	(C/T)
31123	CadSNP6718	<i>Desi</i>	Ca_Desig_Scaffold00211	247394	(C/A)
31124	CadSNP6719	<i>Desi</i>	Ca_Desig_Scaffold00211	247384	(C/A)
31125	CadSNP6720	<i>Desi</i>	Ca_Desig_Scaffold00212	97102	(G/C)
31126	CadSNP6721	<i>Desi</i>	Ca_Desig_Scaffold00212	152385	(G/A)
31127	CadSNP6722	<i>Desi</i>	Ca_Desig_Scaffold00212	167085	(A/G)
31128	CadSNP6723	<i>Desi</i>	Ca_Desig_Scaffold00212	167077	(C/G)
31129	CadSNP6724	<i>Desi</i>	Ca_Desig_Scaffold00212	167076	(A/T)
31130	CadSNP6725	<i>Desi</i>	Ca_Desig_Scaffold00212	167075	(A/C)
31131	CadSNP6726	<i>Desi</i>	Ca_Desig_Scaffold00212	167074	(A/C)
31132	CadSNP6727	<i>Desi</i>	Ca_Desig_Scaffold00212	167073	(T/C)
31133	CadSNP6728	<i>Desi</i>	Ca_Desig_Scaffold00212	167067	(A/G)
31134	CadSNP6729	<i>Desi</i>	Ca_Desig_Scaffold00212	167059	(T/C)
31135	CadSNP6730	<i>Desi</i>	Ca_Desig_Scaffold00212	167058	(C/G)
31136	CadSNP6731	<i>Desi</i>	Ca_Desig_Scaffold00212	167034	(G/A)
31137	CadSNP6732	<i>Desi</i>	Ca_Desig_Scaffold00212	167016	(G/A)
31138	CadSNP6733	<i>Desi</i>	Ca_Desig_Scaffold00212	167009	(C/G)
31139	CadSNP6734	<i>Desi</i>	Ca_Desig_Scaffold00212	235220	(T/C)
31140	CadSNP6735	<i>Desi</i>	Ca_Desig_Scaffold00215	34192	(C/T)
31141	CadSNP6736	<i>Desi</i>	Ca_Desig_Scaffold00215	34219	(G/A)
31142	CadSNP6737	<i>Desi</i>	Ca_Desig_Scaffold00215	132828	(T/C)
31143	CadSNP6738	<i>Desi</i>	Ca_Desig_Scaffold00215	132830	(A/T)
31144	CadSNP6739	<i>Desi</i>	Ca_Desig_Scaffold00215	132887	(G/C)
31145	CadSNP6740	<i>Desi</i>	Ca_Desig_Scaffold00215	132942	(A/G)
31146	CadSNP6741	<i>Desi</i>	Ca_Desig_Scaffold00215	132926	(G/T)
31147	CadSNP6742	<i>Desi</i>	Ca_Desig_Scaffold00215	132925	(C/G)
31148	CadSNP6743	<i>Desi</i>	Ca_Desig_Scaffold00215	132894	(C/T)
31149	CadSNP6744	<i>Desi</i>	Ca_Desig_Scaffold00216	12050	(A/T)
31150	CadSNP6745	<i>Desi</i>	Ca_Desig_Scaffold00216	12126	(A/T)
31151	CadSNP6746	<i>Desi</i>	Ca_Desig_Scaffold00216	12128	(A/C)
31152	CadSNP6747	<i>Desi</i>	Ca_Desig_Scaffold00216	12262	(C/A)
31153	CadSNP6748	<i>Desi</i>	Ca_Desig_Scaffold00216	12257	(T/G)
31154	CadSNP6749	<i>Desi</i>	Ca_Desig_Scaffold00216	12255	(G/A)
31155	CadSNP6750	<i>Desi</i>	Ca_Desig_Scaffold00216	34304	(A/C)
31156	CadSNP6751	<i>Desi</i>	Ca_Desig_Scaffold00216	145017	(T/G)
31157	CadSNP6752	<i>Desi</i>	Ca_Desig_Scaffold00225	698	(G/T)
31158	CadSNP6753	<i>Desi</i>	Ca_Desig_Scaffold00225	19808	(C/G)
31159	CadSNP6754	<i>Desi</i>	Ca_Desig_Scaffold00225	143614	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31160	CadSNP6755	<i>Desi</i>	Ca_Desig_Scaffold00225	144336	(T/C)
31161	CadSNP6756	<i>Desi</i>	Ca_Desig_Scaffold00225	144335	(C/A)
31162	CadSNP6757	<i>Desi</i>	Ca_Desig_Scaffold00225	144320	(T/C)
31163	CadSNP6758	<i>Desi</i>	Ca_Desig_Scaffold00225	144428	(A/C)
31164	CadSNP6759	<i>Desi</i>	Ca_Desig_Scaffold00225	144434	(G/A)
31165	CadSNP6760	<i>Desi</i>	Ca_Desig_Scaffold00225	144569	(C/T)
31166	CadSNP6761	<i>Desi</i>	Ca_Desig_Scaffold00225	175798	(G/A)
31167	CadSNP6762	<i>Desi</i>	Ca_Desig_Scaffold00225	175786	(T/G)
31168	CadSNP6763	<i>Desi</i>	Ca_Desig_Scaffold00225	192552	(A/G)
31169	CadSNP6764	<i>Desi</i>	Ca_Desig_Scaffold00225	192508	(C/T)
31170	CadSNP6765	<i>Desi</i>	Ca_Desig_Scaffold00225	192502	(A/T)
31171	CadSNP6766	<i>Desi</i>	Ca_Desig_Scaffold00225	192488	(A/T)
31172	CadSNP6767	<i>Desi</i>	Ca_Desig_Scaffold00225	212410	(T/A)
31173	CadSNP6768	<i>Desi</i>	Ca_Desig_Scaffold00225	212421	(A/C)
31174	CadSNP6769	<i>Desi</i>	Ca_Desig_Scaffold00225	212425	(T/A)
31175	CadSNP6770	<i>Desi</i>	Ca_Desig_Scaffold00225	222302	(T/G)
31176	CadSNP6771	<i>Desi</i>	Ca_Desig_Scaffold00225	222300	(C/T)
31177	CadSNP6772	<i>Desi</i>	Ca_Desig_Scaffold00225	230832	(A/T)
31178	CadSNP6773	<i>Desi</i>	Ca_Desig_Scaffold00226	92894	(T/A)
31179	CadSNP6774	<i>Desi</i>	Ca_Desig_Scaffold00226	92909	(A/G)
31180	CadSNP6775	<i>Desi</i>	Ca_Desig_Scaffold00226	92920	(C/T)
31181	CadSNP6776	<i>Desi</i>	Ca_Desig_Scaffold00226	92942	(C/G)
31182	CadSNP6777	<i>Desi</i>	Ca_Desig_Scaffold00226	93009	(C/T)
31183	CadSNP6778	<i>Desi</i>	Ca_Desig_Scaffold00226	99716	(T/A)
31184	CadSNP6779	<i>Desi</i>	Ca_Desig_Scaffold00226	157640	(C/T)
31185	CadSNP6780	<i>Desi</i>	Ca_Desig_Scaffold00226	157590	(T/G)
31186	CadSNP6781	<i>Desi</i>	Ca_Desig_Scaffold00226	165258	(T/A)
31187	CadSNP6782	<i>Desi</i>	Ca_Desig_Scaffold00226	168229	(T/G)
31188	CadSNP6783	<i>Desi</i>	Ca_Desig_Scaffold00226	198472	(C/T)
31189	CadSNP6784	<i>Desi</i>	Ca_Desig_Scaffold00226	218338	(C/T)
31190	CadSNP6785	<i>Desi</i>	Ca_Desig_Scaffold00226	220298	(G/A)
31191	CadSNP6786	<i>Desi</i>	Ca_Desig_Scaffold00226	230811	(A/G)
31192	CadSNP6787	<i>Desi</i>	Ca_Desig_Scaffold00227	63053	(A/G)
31193	CadSNP6788	<i>Desi</i>	Ca_Desig_Scaffold00227	64006	(T/C)
31194	CadSNP6789	<i>Desi</i>	Ca_Desig_Scaffold00227	64055	(G/A)
31195	CadSNP6790	<i>Desi</i>	Ca_Desig_Scaffold00227	64057	(T/G)
31196	CadSNP6791	<i>Desi</i>	Ca_Desig_Scaffold00227	94188	(A/G)
31197	CadSNP6792	<i>Desi</i>	Ca_Desig_Scaffold00227	184099	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31198	CadSNP6793	<i>Desi</i>	Ca_Desig_Scaffold00229	100390	(G/C)
31199	CadSNP6794	<i>Desi</i>	Ca_Desig_Scaffold00229	136282	(A/G)
31200	CadSNP6795	<i>Desi</i>	Ca_Desig_Scaffold00232	149099	(G/A)
31201	CadSNP6796	<i>Desi</i>	Ca_Desig_Scaffold00232	149089	(C/G)
31202	CadSNP6797	<i>Desi</i>	Ca_Desig_Scaffold00232	149083	(C/A)
31203	CadSNP6798	<i>Desi</i>	Ca_Desig_Scaffold00232	149204	(C/T)
31204	CadSNP6799	<i>Desi</i>	Ca_Desig_Scaffold00232	149183	(T/A)
31205	CadSNP6800	<i>Desi</i>	Ca_Desig_Scaffold00232	232212	(A/C)
31206	CadSNP6801	<i>Desi</i>	Ca_Desig_Scaffold00233	4551	(C/A)
31207	CadSNP6802	<i>Desi</i>	Ca_Desig_Scaffold00233	50002	(G/C)
31208	CadSNP6803	<i>Desi</i>	Ca_Desig_Scaffold00233	50056	(C/A)
31209	CadSNP6804	<i>Desi</i>	Ca_Desig_Scaffold00233	50061	(T/C)
31210	CadSNP6805	<i>Desi</i>	Ca_Desig_Scaffold00233	50084	(A/C)
31211	CadSNP6806	<i>Desi</i>	Ca_Desig_Scaffold00233	120369	(C/G)
31212	CadSNP6807	<i>Desi</i>	Ca_Desig_Scaffold00233	120597	(G/A)
31213	CadSNP6808	<i>Desi</i>	Ca_Desig_Scaffold00233	148009	(C/T)
31214	CadSNP6809	<i>Desi</i>	Ca_Desig_Scaffold00233	184158	(A/C)
31215	CadSNP6810	<i>Desi</i>	Ca_Desig_Scaffold00233	184202	(T/C)
31216	CadSNP6811	<i>Desi</i>	Ca_Desig_Scaffold00233	215896	(T/G)
31217	CadSNP6812	<i>Desi</i>	Ca_Desig_Scaffold00233	232621	(T/C)
31218	CadSNP6813	<i>Desi</i>	Ca_Desig_Scaffold00236	49635	(A/T)
31219	CadSNP6814	<i>Desi</i>	Ca_Desig_Scaffold00236	49683	(T/C)
31220	CadSNP6815	<i>Desi</i>	Ca_Desig_Scaffold00236	49690	(A/G)
31221	CadSNP6816	<i>Desi</i>	Ca_Desig_Scaffold00236	49694	(G/A)
31222	CadSNP6817	<i>Desi</i>	Ca_Desig_Scaffold00236	49697	(A/C)
31223	CadSNP6818	<i>Desi</i>	Ca_Desig_Scaffold00236	88072	(C/T)
31224	CadSNP6819	<i>Desi</i>	Ca_Desig_Scaffold00236	108276	(T/G)
31225	CadSNP6820	<i>Desi</i>	Ca_Desig_Scaffold00236	108281	(C/T)
31226	CadSNP6821	<i>Desi</i>	Ca_Desig_Scaffold00236	108288	(C/G)
31227	CadSNP6822	<i>Desi</i>	Ca_Desig_Scaffold00236	108309	(G/A)
31228	CadSNP6823	<i>Desi</i>	Ca_Desig_Scaffold00236	108325	(G/T)
31229	CadSNP6824	<i>Desi</i>	Ca_Desig_Scaffold00236	149619	(T/C)
31230	CadSNP6825	<i>Desi</i>	Ca_Desig_Scaffold00236	149623	(A/T)
31231	CadSNP6826	<i>Desi</i>	Ca_Desig_Scaffold00236	149734	(A/G)
31232	CadSNP6827	<i>Desi</i>	Ca_Desig_Scaffold00236	149710	(T/G)
31233	CadSNP6828	<i>Desi</i>	Ca_Desig_Scaffold00236	149769	(G/T)
31234	CadSNP6829	<i>Desi</i>	Ca_Desig_Scaffold00236	149775	(A/G)
31235	CadSNP6830	<i>Desi</i>	Ca_Desig_Scaffold00236	163118	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31236	CadSNP6831	<i>Desi</i>	Ca_Desig_Scaffold00236	163222	(A/C)
31237	CadSNP6832	<i>Desi</i>	Ca_Desig_Scaffold00236	163211	(G/A)
31238	CadSNP6833	<i>Desi</i>	Ca_Desig_Scaffold00236	163209	(C/T)
31239	CadSNP6834	<i>Desi</i>	Ca_Desig_Scaffold00236	163204	(T/G)
31240	CadSNP6835	<i>Desi</i>	Ca_Desig_Scaffold00236	163201	(T/A)
31241	CadSNP6836	<i>Desi</i>	Ca_Desig_Scaffold00236	163200	(C/G)
31242	CadSNP6837	<i>Desi</i>	Ca_Desig_Scaffold00236	163199	(G/A)
31243	CadSNP6838	<i>Desi</i>	Ca_Desig_Scaffold00236	163192	(T/A)
31244	CadSNP6839	<i>Desi</i>	Ca_Desig_Scaffold00236	163185	(G/T)
31245	CadSNP6840	<i>Desi</i>	Ca_Desig_Scaffold00236	163591	(G/A)
31246	CadSNP6841	<i>Desi</i>	Ca_Desig_Scaffold00236	165010	(T/C)
31247	CadSNP6842	<i>Desi</i>	Ca_Desig_Scaffold00236	165033	(A/C)
31248	CadSNP6843	<i>Desi</i>	Ca_Desig_Scaffold00236	165037	(A/G)
31249	CadSNP6844	<i>Desi</i>	Ca_Desig_Scaffold00236	173224	(A/G)
31250	CadSNP6845	<i>Desi</i>	Ca_Desig_Scaffold00236	173341	(C/T)
31251	CadSNP6846	<i>Desi</i>	Ca_Desig_Scaffold00236	177722	(C/A)
31252	CadSNP6847	<i>Desi</i>	Ca_Desig_Scaffold00236	190969	(A/G)
31253	CadSNP6848	<i>Desi</i>	Ca_Desig_Scaffold00236	190990	(G/C)
31254	CadSNP6849	<i>Desi</i>	Ca_Desig_Scaffold00236	191027	(A/G)
31255	CadSNP6850	<i>Desi</i>	Ca_Desig_Scaffold00236	191101	(C/T)
31256	CadSNP6851	<i>Desi</i>	Ca_Desig_Scaffold00236	191042	(T/G)
31257	CadSNP6852	<i>Desi</i>	Ca_Desig_Scaffold00242	70977	(A/G)
31258	CadSNP6853	<i>Desi</i>	Ca_Desig_Scaffold00242	124315	(G/A)
31259	CadSNP6854	<i>Desi</i>	Ca_Desig_Scaffold00245	116599	(T/C)
31260	CadSNP6855	<i>Desi</i>	Ca_Desig_Scaffold00245	116743	(T/C)
31261	CadSNP6856	<i>Desi</i>	Ca_Desig_Scaffold00245	154579	(T/C)
31262	CadSNP6857	<i>Desi</i>	Ca_Desig_Scaffold00245	188378	(T/C)
31263	CadSNP6858	<i>Desi</i>	Ca_Desig_Scaffold00245	203981	(G/C)
31264	CadSNP6859	<i>Desi</i>	Ca_Desig_Scaffold00245	204003	(A/C)
31265	CadSNP6860	<i>Desi</i>	Ca_Desig_Scaffold00245	213504	(C/G)
31266	CadSNP6861	<i>Desi</i>	Ca_Desig_Scaffold00245	213500	(C/T)
31267	CadSNP6862	<i>Desi</i>	Ca_Desig_Scaffold00245	213491	(G/C)
31268	CadSNP6863	<i>Desi</i>	Ca_Desig_Scaffold00246	146	(G/A)
31269	CadSNP6864	<i>Desi</i>	Ca_Desig_Scaffold00246	147	(C/A)
31270	CadSNP6865	<i>Desi</i>	Ca_Desig_Scaffold00246	185	(C/G)
31271	CadSNP6866	<i>Desi</i>	Ca_Desig_Scaffold00246	330	(A/G)
31272	CadSNP6867	<i>Desi</i>	Ca_Desig_Scaffold00246	12998	(C/T)
31273	CadSNP6868	<i>Desi</i>	Ca_Desig_Scaffold00246	115778	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31274	CadSNP6869	<i>Desi</i>	Ca_Desig_Scaffold00246	115797	(G/A)
31275	CadSNP6870	<i>Desi</i>	Ca_Desig_Scaffold00246	115858	(G/T)
31276	CadSNP6871	<i>Desi</i>	Ca_Desig_Scaffold00246	115850	(A/T)
31277	CadSNP6872	<i>Desi</i>	Ca_Desig_Scaffold00249	27017	(G/A)
31278	CadSNP6873	<i>Desi</i>	Ca_Desig_Scaffold00249	77797	(T/C)
31279	CadSNP6874	<i>Desi</i>	Ca_Desig_Scaffold00249	101447	(A/G)
31280	CadSNP6875	<i>Desi</i>	Ca_Desig_Scaffold00249	138319	(C/T)
31281	CadSNP6876	<i>Desi</i>	Ca_Desig_Scaffold00249	157148	(G/C)
31282	CadSNP6877	<i>Desi</i>	Ca_Desig_Scaffold00249	157161	(T/C)
31283	CadSNP6878	<i>Desi</i>	Ca_Desig_Scaffold00249	157167	(T/C)
31284	CadSNP6879	<i>Desi</i>	Ca_Desig_Scaffold00249	157176	(T/A)
31285	CadSNP6880	<i>Desi</i>	Ca_Desig_Scaffold00249	157193	(C/T)
31286	CadSNP6881	<i>Desi</i>	Ca_Desig_Scaffold00249	157196	(A/C)
31287	CadSNP6882	<i>Desi</i>	Ca_Desig_Scaffold00252	41046	(T/C)
31288	CadSNP6883	<i>Desi</i>	Ca_Desig_Scaffold00252	87593	(C/T)
31289	CadSNP6884	<i>Desi</i>	Ca_Desig_Scaffold00252	102012	(G/T)
31290	CadSNP6885	<i>Desi</i>	Ca_Desig_Scaffold00252	112027	(A/G)
31291	CadSNP6886	<i>Desi</i>	Ca_Desig_Scaffold00252	140609	(T/A)
31292	CadSNP6887	<i>Desi</i>	Ca_Desig_Scaffold00254	28286	(A/G)
31293	CadSNP6888	<i>Desi</i>	Ca_Desig_Scaffold00254	28287	(C/T)
31294	CadSNP6889	<i>Desi</i>	Ca_Desig_Scaffold00254	28312	(C/G)
31295	CadSNP6890	<i>Desi</i>	Ca_Desig_Scaffold00254	28328	(A/C)
31296	CadSNP6891	<i>Desi</i>	Ca_Desig_Scaffold00254	74545	(A/G)
31297	CadSNP6892	<i>Desi</i>	Ca_Desig_Scaffold00254	74599	(T/G)
31298	CadSNP6893	<i>Desi</i>	Ca_Desig_Scaffold00254	74604	(A/C)
31299	CadSNP6894	<i>Desi</i>	Ca_Desig_Scaffold00254	95215	(G/A)
31300	CadSNP6895	<i>Desi</i>	Ca_Desig_Scaffold00254	96479	(A/G)
31301	CadSNP6896	<i>Desi</i>	Ca_Desig_Scaffold00254	154607	(G/T)
31302	CadSNP6897	<i>Desi</i>	Ca_Desig_Scaffold00254	190590	(C/G)
31303	CadSNP6898	<i>Desi</i>	Ca_Desig_Scaffold00257	53147	(T/C)
31304	CadSNP6899	<i>Desi</i>	Ca_Desig_Scaffold00257	100146	(G/T)
31305	CadSNP6900	<i>Desi</i>	Ca_Desig_Scaffold00257	100170	(T/G)
31306	CadSNP6901	<i>Desi</i>	Ca_Desig_Scaffold00257	158193	(T/C)
31307	CadSNP6902	<i>Desi</i>	Ca_Desig_Scaffold00258	221035	(G/A)
31308	CadSNP6903	<i>Desi</i>	Ca_Desig_Scaffold00258	258872	(C/T)
31309	CadSNP6904	<i>Desi</i>	Ca_Desig_Scaffold00259	40090	(T/G)
31310	CadSNP6905	<i>Desi</i>	Ca_Desig_Scaffold00259	56957	(T/G)
31311	CadSNP6906	<i>Desi</i>	Ca_Desig_Scaffold00259	123703	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31312	CadSNP6907	<i>Desi</i>	Ca_Desig_Scaffold00259	123748	(G/A)
31313	CadSNP6908	<i>Desi</i>	Ca_Desig_Scaffold00259	219474	(T/A)
31314	CadSNP6909	<i>Desi</i>	Ca_Desig_Scaffold00261	45878	(C/T)
31315	CadSNP6910	<i>Desi</i>	Ca_Desig_Scaffold00261	53583	(T/C)
31316	CadSNP6911	<i>Desi</i>	Ca_Desig_Scaffold00261	84164	(C/A)
31317	CadSNP6912	<i>Desi</i>	Ca_Desig_Scaffold00261	116113	(C/A)
31318	CadSNP6913	<i>Desi</i>	Ca_Desig_Scaffold00261	164204	(T/G)
31319	CadSNP6914	<i>Desi</i>	Ca_Desig_Scaffold00261	164254	(C/T)
31320	CadSNP6915	<i>Desi</i>	Ca_Desig_Scaffold00261	164275	(T/C)
31321	CadSNP6916	<i>Desi</i>	Ca_Desig_Scaffold00261	164287	(C/T)
31322	CadSNP6917	<i>Desi</i>	Ca_Desig_Scaffold00261	164317	(A/G)
31323	CadSNP6918	<i>Desi</i>	Ca_Desig_Scaffold00261	177861	(A/G)
31324	CadSNP6919	<i>Desi</i>	Ca_Desig_Scaffold00261	179178	(T/C)
31325	CadSNP6920	<i>Desi</i>	Ca_Desig_Scaffold00262	175648	(C/T)
31326	CadSNP6921	<i>Desi</i>	Ca_Desig_Scaffold00262	186150	(C/A)
31327	CadSNP6922	<i>Desi</i>	Ca_Desig_Scaffold00262	186152	(T/A)
31328	CadSNP6923	<i>Desi</i>	Ca_Desig_Scaffold00263	26991	(T/C)
31329	CadSNP6924	<i>Desi</i>	Ca_Desig_Scaffold00263	27022	(G/A)
31330	CadSNP6925	<i>Desi</i>	Ca_Desig_Scaffold00263	76667	(C/A)
31331	CadSNP6926	<i>Desi</i>	Ca_Desig_Scaffold00263	78788	(T/G)
31332	CadSNP6927	<i>Desi</i>	Ca_Desig_Scaffold00263	78805	(T/G)
31333	CadSNP6928	<i>Desi</i>	Ca_Desig_Scaffold00263	89407	(C/G)
31334	CadSNP6929	<i>Desi</i>	Ca_Desig_Scaffold00263	98599	(T/C)
31335	CadSNP6930	<i>Desi</i>	Ca_Desig_Scaffold00263	98625	(G/T)
31336	CadSNP6931	<i>Desi</i>	Ca_Desig_Scaffold00263	100448	(T/G)
31337	CadSNP6932	<i>Desi</i>	Ca_Desig_Scaffold00263	157397	(G/C)
31338	CadSNP6933	<i>Desi</i>	Ca_Desig_Scaffold00263	159944	(G/C)
31339	CadSNP6934	<i>Desi</i>	Ca_Desig_Scaffold00263	159987	(C/A)
31340	CadSNP6935	<i>Desi</i>	Ca_Desig_Scaffold00263	160098	(T/A)
31341	CadSNP6936	<i>Desi</i>	Ca_Desig_Scaffold00263	160119	(A/G)
31342	CadSNP6937	<i>Desi</i>	Ca_Desig_Scaffold00263	160170	(A/G)
31343	CadSNP6938	<i>Desi</i>	Ca_Desig_Scaffold00263	160262	(C/T)
31344	CadSNP6939	<i>Desi</i>	Ca_Desig_Scaffold00263	160396	(T/C)
31345	CadSNP6940	<i>Desi</i>	Ca_Desig_Scaffold00263	160444	(G/A)
31346	CadSNP6941	<i>Desi</i>	Ca_Desig_Scaffold00263	160448	(G/A)
31347	CadSNP6942	<i>Desi</i>	Ca_Desig_Scaffold00263	160463	(T/G)
31348	CadSNP6943	<i>Desi</i>	Ca_Desig_Scaffold00263	162490	(A/G)
31349	CadSNP6944	<i>Desi</i>	Ca_Desig_Scaffold00263	162643	(A/G)

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31350	CadSNP6945	<i>Desi</i>	Ca_Desig_Scaffold00264	28070	(A/G)
31351	CadSNP6946	<i>Desi</i>	Ca_Desig_Scaffold00266	100479	(G/T)
31352	CadSNP6947	<i>Desi</i>	Ca_Desig_Scaffold00266	113517	(A/G)
31353	CadSNP6948	<i>Desi</i>	Ca_Desig_Scaffold00266	208518	(T/C)
31354	CadSNP6949	<i>Desi</i>	Ca_Desig_Scaffold00270	5550	(G/T)
31355	CadSNP6950	<i>Desi</i>	Ca_Desig_Scaffold00270	63543	(C/T)
31356	CadSNP6951	<i>Desi</i>	Ca_Desig_Scaffold00270	68994	(A/T)
31357	CadSNP6952	<i>Desi</i>	Ca_Desig_Scaffold00270	94799	(A/C)
31358	CadSNP6953	<i>Desi</i>	Ca_Desig_Scaffold00270	147873	(G/T)
31359	CadSNP6954	<i>Desi</i>	Ca_Desig_Scaffold00270	154919	(G/A)
31360	CadSNP6955	<i>Desi</i>	Ca_Desig_Scaffold00270	163572	(A/G)
31361	CadSNP6956	<i>Desi</i>	Ca_Desig_Scaffold00270	163570	(G/C)
31362	CadSNP6957	<i>Desi</i>	Ca_Desig_Scaffold00270	172247	(C/T)
31363	CadSNP6958	<i>Desi</i>	Ca_Desig_Scaffold00270	208690	(G/A)
31364	CadSNP6959	<i>Desi</i>	Ca_Desig_Scaffold00270	208674	(G/C)
31365	CadSNP6960	<i>Desi</i>	Ca_Desig_Scaffold00271	6166	(G/T)
31366	CadSNP6961	<i>Desi</i>	Ca_Desig_Scaffold00271	6101	(G/A)
31367	CadSNP6962	<i>Desi</i>	Ca_Desig_Scaffold00271	33434	(C/T)
31368	CadSNP6963	<i>Desi</i>	Ca_Desig_Scaffold00271	33776	(T/A)
31369	CadSNP6964	<i>Desi</i>	Ca_Desig_Scaffold00271	33805	(C/A)
31370	CadSNP6965	<i>Desi</i>	Ca_Desig_Scaffold00271	33830	(G/A)
31371	CadSNP6966	<i>Desi</i>	Ca_Desig_Scaffold00271	58809	(G/A)
31372	CadSNP6967	<i>Desi</i>	Ca_Desig_Scaffold00271	58847	(A/G)
31373	CadSNP6968	<i>Desi</i>	Ca_Desig_Scaffold00271	58865	(G/C)
31374	CadSNP6969	<i>Desi</i>	Ca_Desig_Scaffold00271	79326	(T/G)
31375	CadSNP6970	<i>Desi</i>	Ca_Desig_Scaffold00271	79378	(A/T)
31376	CadSNP6971	<i>Desi</i>	Ca_Desig_Scaffold00271	79429	(A/T)
31377	CadSNP6972	<i>Desi</i>	Ca_Desig_Scaffold00271	79418	(A/G)
31378	CadSNP6973	<i>Desi</i>	Ca_Desig_Scaffold00271	79414	(C/T)
31379	CadSNP6974	<i>Desi</i>	Ca_Desig_Scaffold00271	85381	(T/C)
31380	CadSNP6975	<i>Desi</i>	Ca_Desig_Scaffold00271	106945	(G/A)
31381	CadSNP6976	<i>Desi</i>	Ca_Desig_Scaffold00271	120137	(T/C)
31382	CadSNP6977	<i>Desi</i>	Ca_Desig_Scaffold00271	120327	(T/C)
31383	CadSNP6978	<i>Desi</i>	Ca_Desig_Scaffold00271	120344	(C/T)
31384	CadSNP6979	<i>Desi</i>	Ca_Desig_Scaffold00271	138974	(A/G)
31385	CadSNP6980	<i>Desi</i>	Ca_Desig_Scaffold00271	174994	(A/G)
31386	CadSNP6981	<i>Desi</i>	Ca_Desig_Scaffold00271	175021	(C/G)
31387	CadSNP6982	<i>Desi</i>	Ca_Desig_Scaffold00271	183902	(T/C)

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31388	CadSNP6983	<i>Desi</i>	Ca_Desig_Scaffold00271	183909	(T/A)
31389	CadSNP6984	<i>Desi</i>	Ca_Desig_Scaffold00274	33234	(T/G)
31390	CadSNP6985	<i>Desi</i>	Ca_Desig_Scaffold00274	44289	(C/T)
31391	CadSNP6986	<i>Desi</i>	Ca_Desig_Scaffold00274	44311	(G/T)
31392	CadSNP6987	<i>Desi</i>	Ca_Desig_Scaffold00274	44317	(G/A)
31393	CadSNP6988	<i>Desi</i>	Ca_Desig_Scaffold00274	44322	(A/G)
31394	CadSNP6989	<i>Desi</i>	Ca_Desig_Scaffold00274	44329	(A/T)
31395	CadSNP6990	<i>Desi</i>	Ca_Desig_Scaffold00274	48754	(T/C)
31396	CadSNP6991	<i>Desi</i>	Ca_Desig_Scaffold00274	48812	(T/G)
31397	CadSNP6992	<i>Desi</i>	Ca_Desig_Scaffold00274	58861	(C/T)
31398	CadSNP6993	<i>Desi</i>	Ca_Desig_Scaffold00274	75653	(C/T)
31399	CadSNP6994	<i>Desi</i>	Ca_Desig_Scaffold00274	75729	(T/C)
31400	CadSNP6995	<i>Desi</i>	Ca_Desig_Scaffold00274	114396	(A/G)
31401	CadSNP6996	<i>Desi</i>	Ca_Desig_Scaffold00274	114414	(T/G)
31402	CadSNP6997	<i>Desi</i>	Ca_Desig_Scaffold00274	114425	(G/T)
31403	CadSNP6998	<i>Desi</i>	Ca_Desig_Scaffold00274	114458	(A/T)
31404	CadSNP6999	<i>Desi</i>	Ca_Desig_Scaffold00274	122592	(G/A)
31405	CadSNP7000	<i>Desi</i>	Ca_Desig_Scaffold00274	122628	(G/A)
31406	CadSNP7001	<i>Desi</i>	Ca_Desig_Scaffold00274	122627	(T/C)
31407	CadSNP7002	<i>Desi</i>	Ca_Desig_Scaffold00274	122620	(G/C)
31408	CadSNP7003	<i>Desi</i>	Ca_Desig_Scaffold00274	122861	(T/C)
31409	CadSNP7004	<i>Desi</i>	Ca_Desig_Scaffold00274	122881	(T/C)
31410	CadSNP7005	<i>Desi</i>	Ca_Desig_Scaffold00274	122890	(A/C)
31411	CadSNP7006	<i>Desi</i>	Ca_Desig_Scaffold00274	123078	(A/G)
31412	CadSNP7007	<i>Desi</i>	Ca_Desig_Scaffold00274	154874	(C/A)
31413	CadSNP7008	<i>Desi</i>	Ca_Desig_Scaffold00274	176289	(C/T)
31414	CadSNP7009	<i>Desi</i>	Ca_Desig_Scaffold00274	176245	(T/G)
31415	CadSNP7010	<i>Desi</i>	Ca_Desig_Scaffold00277	15144	(A/G)
31416	CadSNP7011	<i>Desi</i>	Ca_Desig_Scaffold00277	40087	(C/T)
31417	CadSNP7012	<i>Desi</i>	Ca_Desig_Scaffold00277	40076	(A/G)
31418	CadSNP7013	<i>Desi</i>	Ca_Desig_Scaffold00277	42172	(G/A)
31419	CadSNP7014	<i>Desi</i>	Ca_Desig_Scaffold00277	42165	(A/G)
31420	CadSNP7015	<i>Desi</i>	Ca_Desig_Scaffold00277	91711	(A/T)
31421	CadSNP7016	<i>Desi</i>	Ca_Desig_Scaffold00277	119070	(G/C)
31422	CadSNP7017	<i>Desi</i>	Ca_Desig_Scaffold00277	152963	(C/G)
31423	CadSNP7018	<i>Desi</i>	Ca_Desig_Scaffold00277	152967	(A/T)
31424	CadSNP7019	<i>Desi</i>	Ca_Desig_Scaffold00277	187204	(G/A)
31425	CadSNP7020	<i>Desi</i>	Ca_Desig_Scaffold00277	187233	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31426	CadSNP7021	<i>Desi</i>	Ca_Desig_Scaffold00277	187347	(C/T)
31427	CadSNP7022	<i>Desi</i>	Ca_Desig_Scaffold00277	190164	(G/A)
31428	CadSNP7023	<i>Desi</i>	Ca_Desig_Scaffold00277	190105	(A/C)
31429	CadSNP7024	<i>Desi</i>	Ca_Desig_Scaffold00277	192976	(G/A)
31430	CadSNP7025	<i>Desi</i>	Ca_Desig_Scaffold00277	193016	(T/A)
31431	CadSNP7026	<i>Desi</i>	Ca_Desig_Scaffold00278	21461	(T/A)
31432	CadSNP7027	<i>Desi</i>	Ca_Desig_Scaffold00278	21460	(T/A)
31433	CadSNP7028	<i>Desi</i>	Ca_Desig_Scaffold00278	21425	(G/T)
31434	CadSNP7029	<i>Desi</i>	Ca_Desig_Scaffold00278	21419	(G/T)
31435	CadSNP7030	<i>Desi</i>	Ca_Desig_Scaffold00278	21401	(C/T)
31436	CadSNP7031	<i>Desi</i>	Ca_Desig_Scaffold00278	78945	(G/T)
31437	CadSNP7032	<i>Desi</i>	Ca_Desig_Scaffold00278	79095	(G/T)
31438	CadSNP7033	<i>Desi</i>	Ca_Desig_Scaffold00278	79245	(T/C)
31439	CadSNP7034	<i>Desi</i>	Ca_Desig_Scaffold00278	121122	(C/G)
31440	CadSNP7035	<i>Desi</i>	Ca_Desig_Scaffold00278	121234	(C/T)
31441	CadSNP7036	<i>Desi</i>	Ca_Desig_Scaffold00278	121166	(A/G)
31442	CadSNP7037	<i>Desi</i>	Ca_Desig_Scaffold00278	191259	(A/G)
31443	CadSNP7038	<i>Desi</i>	Ca_Desig_Scaffold00279	61610	(T/C)
31444	CadSNP7039	<i>Desi</i>	Ca_Desig_Scaffold00279	61609	(A/T)
31445	CadSNP7040	<i>Desi</i>	Ca_Desig_Scaffold00279	61608	(G/T)
31446	CadSNP7041	<i>Desi</i>	Ca_Desig_Scaffold00279	64020	(T/C)
31447	CadSNP7042	<i>Desi</i>	Ca_Desig_Scaffold00279	96459	(A/G)
31448	CadSNP7043	<i>Desi</i>	Ca_Desig_Scaffold00279	97267	(A/C)
31449	CadSNP7044	<i>Desi</i>	Ca_Desig_Scaffold00279	137687	(C/A)
31450	CadSNP7045	<i>Desi</i>	Ca_Desig_Scaffold00279	137688	(G/T)
31451	CadSNP7046	<i>Desi</i>	Ca_Desig_Scaffold00279	143739	(T/C)
31452	CadSNP7047	<i>Desi</i>	Ca_Desig_Scaffold00279	144573	(G/C)
31453	CadSNP7048	<i>Desi</i>	Ca_Desig_Scaffold00286	3202	(C/G)
31454	CadSNP7049	<i>Desi</i>	Ca_Desig_Scaffold00286	43871	(G/T)
31455	CadSNP7050	<i>Desi</i>	Ca_Desig_Scaffold00286	56934	(C/T)
31456	CadSNP7051	<i>Desi</i>	Ca_Desig_Scaffold00286	57243	(T/C)
31457	CadSNP7052	<i>Desi</i>	Ca_Desig_Scaffold00286	84666	(T/G)
31458	CadSNP7053	<i>Desi</i>	Ca_Desig_Scaffold00286	84723	(C/T)
31459	CadSNP7054	<i>Desi</i>	Ca_Desig_Scaffold00286	90475	(C/T)
31460	CadSNP7055	<i>Desi</i>	Ca_Desig_Scaffold00286	91290	(C/T)
31461	CadSNP7056	<i>Desi</i>	Ca_Desig_Scaffold00286	91293	(T/A)
31462	CadSNP7057	<i>Desi</i>	Ca_Desig_Scaffold00286	104275	(A/G)
31463	CadSNP7058	<i>Desi</i>	Ca_Desig_Scaffold00286	104310	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31464	CadSNP7059	<i>Desi</i>	Ca_Desig_Scaffold00286	125674	(T/G)
31465	CadSNP7060	<i>Desi</i>	Ca_Desig_Scaffold00286	125703	(A/T)
31466	CadSNP7061	<i>Desi</i>	Ca_Desig_Scaffold00286	126056	(G/A)
31467	CadSNP7062	<i>Desi</i>	Ca_Desig_Scaffold00286	136145	(C/A)
31468	CadSNP7063	<i>Desi</i>	Ca_Desig_Scaffold00286	138260	(C/G)
31469	CadSNP7064	<i>Desi</i>	Ca_Desig_Scaffold00286	138290	(T/A)
31470	CadSNP7065	<i>Desi</i>	Ca_Desig_Scaffold00286	141164	(C/G)
31471	CadSNP7066	<i>Desi</i>	Ca_Desig_Scaffold00286	144303	(G/A)
31472	CadSNP7067	<i>Desi</i>	Ca_Desig_Scaffold00286	147990	(A/G)
31473	CadSNP7068	<i>Desi</i>	Ca_Desig_Scaffold00286	164112	(G/T)
31474	CadSNP7069	<i>Desi</i>	Ca_Desig_Scaffold00286	187422	(C/T)
31475	CadSNP7070	<i>Desi</i>	Ca_Desig_Scaffold00288	68733	(C/A)
31476	CadSNP7071	<i>Desi</i>	Ca_Desig_Scaffold00288	134211	(A/G)
31477	CadSNP7072	<i>Desi</i>	Ca_Desig_Scaffold00288	152951	(G/A)
31478	CadSNP7073	<i>Desi</i>	Ca_Desig_Scaffold00289	66004	(T/G)
31479	CadSNP7074	<i>Desi</i>	Ca_Desig_Scaffold00289	134646	(G/A)
31480	CadSNP7075	<i>Desi</i>	Ca_Desig_Scaffold00289	134684	(T/C)
31481	CadSNP7076	<i>Desi</i>	Ca_Desig_Scaffold00289	134694	(A/G)
31482	CadSNP7077	<i>Desi</i>	Ca_Desig_Scaffold00289	134711	(C/G)
31483	CadSNP7078	<i>Desi</i>	Ca_Desig_Scaffold00289	134761	(G/A)
31484	CadSNP7079	<i>Desi</i>	Ca_Desig_Scaffold00289	134750	(G/T)
31485	CadSNP7080	<i>Desi</i>	Ca_Desig_Scaffold00289	134739	(C/T)
31486	CadSNP7081	<i>Desi</i>	Ca_Desig_Scaffold00289	134705	(G/A)
31487	CadSNP7082	<i>Desi</i>	Ca_Desig_Scaffold00289	150531	(A/G)
31488	CadSNP7083	<i>Desi</i>	Ca_Desig_Scaffold00289	150541	(C/T)
31489	CadSNP7084	<i>Desi</i>	Ca_Desig_Scaffold00289	150542	(A/G)
31490	CadSNP7085	<i>Desi</i>	Ca_Desig_Scaffold00289	150550	(G/T)
31491	CadSNP7086	<i>Desi</i>	Ca_Desig_Scaffold00289	150585	(A/G)
31492	CadSNP7087	<i>Desi</i>	Ca_Desig_Scaffold00289	150586	(C/T)
31493	CadSNP7088	<i>Desi</i>	Ca_Desig_Scaffold00289	150537	(G/A)
31494	CadSNP7089	<i>Desi</i>	Ca_Desig_Scaffold00289	150662	(A/G)
31495	CadSNP7090	<i>Desi</i>	Ca_Desig_Scaffold00289	150659	(T/C)
31496	CadSNP7091	<i>Desi</i>	Ca_Desig_Scaffold00289	150645	(T/G)
31497	CadSNP7092	<i>Desi</i>	Ca_Desig_Scaffold00289	150609	(C/A)
31498	CadSNP7093	<i>Desi</i>	Ca_Desig_Scaffold00289	205261	(G/A)
31499	CadSNP7094	<i>Desi</i>	Ca_Desig_Scaffold00289	205258	(T/A)
31500	CadSNP7095	<i>Desi</i>	Ca_Desig_Scaffold00290	67803	(C/T)
31501	CadSNP7096	<i>Desi</i>	Ca_Desig_Scaffold00290	67853	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31502	CadSNP7097	<i>Desi</i>	Ca_Desig_Scaffold00290	116297	(G/C)
31503	CadSNP7098	<i>Desi</i>	Ca_Desig_Scaffold00290	141764	(G/T)
31504	CadSNP7099	<i>Desi</i>	Ca_Desig_Scaffold00290	141847	(A/T)
31505	CadSNP7100	<i>Desi</i>	Ca_Desig_Scaffold00290	171714	(T/C)
31506	CadSNP7101	<i>Desi</i>	Ca_Desig_Scaffold00292	23800	(A/C)
31507	CadSNP7102	<i>Desi</i>	Ca_Desig_Scaffold00292	43555	(C/G)
31508	CadSNP7103	<i>Desi</i>	Ca_Desig_Scaffold00292	46659	(T/G)
31509	CadSNP7104	<i>Desi</i>	Ca_Desig_Scaffold00292	46710	(T/C)
31510	CadSNP7105	<i>Desi</i>	Ca_Desig_Scaffold00295	80498	(A/T)
31511	CadSNP7106	<i>Desi</i>	Ca_Desig_Scaffold00295	80480	(C/T)
31512	CadSNP7107	<i>Desi</i>	Ca_Desig_Scaffold00295	125683	(T/C)
31513	CadSNP7108	<i>Desi</i>	Ca_Desig_Scaffold00295	130743	(T/C)
31514	CadSNP7109	<i>Desi</i>	Ca_Desig_Scaffold00296	83381	(T/C)
31515	CadSNP7110	<i>Desi</i>	Ca_Desig_Scaffold00296	119255	(T/A)
31516	CadSNP7111	<i>Desi</i>	Ca_Desig_Scaffold00296	119952	(A/G)
31517	CadSNP7112	<i>Desi</i>	Ca_Desig_Scaffold00296	199528	(A/G)
31518	CadSNP7113	<i>Desi</i>	Ca_Desig_Scaffold00296	199516	(G/A)
31519	CadSNP7114	<i>Desi</i>	Ca_Desig_Scaffold00297	9265	(C/G)
31520	CadSNP7115	<i>Desi</i>	Ca_Desig_Scaffold00297	9384	(A/C)
31521	CadSNP7116	<i>Desi</i>	Ca_Desig_Scaffold00297	9358	(T/A)
31522	CadSNP7117	<i>Desi</i>	Ca_Desig_Scaffold00297	108526	(T/C)
31523	CadSNP7118	<i>Desi</i>	Ca_Desig_Scaffold00297	124175	(T/A)
31524	CadSNP7119	<i>Desi</i>	Ca_Desig_Scaffold00297	138772	(C/A)
31525	CadSNP7120	<i>Desi</i>	Ca_Desig_Scaffold00297	138766	(G/C)
31526	CadSNP7121	<i>Desi</i>	Ca_Desig_Scaffold00301	99080	(C/T)
31527	CadSNP7122	<i>Desi</i>	Ca_Desig_Scaffold00301	103180	(A/T)
31528	CadSNP7123	<i>Desi</i>	Ca_Desig_Scaffold00301	158332	(A/T)
31529	CadSNP7124	<i>Desi</i>	Ca_Desig_Scaffold00301	158362	(C/A)
31530	CadSNP7125	<i>Desi</i>	Ca_Desig_Scaffold00301	162077	(T/G)
31531	CadSNP7126	<i>Desi</i>	Ca_Desig_Scaffold00304	112110	(T/A)
31532	CadSNP7127	<i>Desi</i>	Ca_Desig_Scaffold00304	112106	(T/A)
31533	CadSNP7128	<i>Desi</i>	Ca_Desig_Scaffold00304	112104	(G/A)
31534	CadSNP7129	<i>Desi</i>	Ca_Desig_Scaffold00304	112102	(T/A)
31535	CadSNP7130	<i>Desi</i>	Ca_Desig_Scaffold00304	112094	(T/A)
31536	CadSNP7131	<i>Desi</i>	Ca_Desig_Scaffold00305	1297	(T/G)
31537	CadSNP7132	<i>Desi</i>	Ca_Desig_Scaffold00305	36564	(C/A)
31538	CadSNP7133	<i>Desi</i>	Ca_Desig_Scaffold00305	119202	(C/A)
31539	CadSNP7134	<i>Desi</i>	Ca_Desig_Scaffold00305	139907	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31540	CadSNP7135	<i>Desi</i>	Ca_Desig_Scaffold00305	160707	(T/C)
31541	CadSNP7136	<i>Desi</i>	Ca_Desig_Scaffold00308	87613	(T/G)
31542	CadSNP7137	<i>Desi</i>	Ca_Desig_Scaffold00308	87609	(T/C)
31543	CadSNP7138	<i>Desi</i>	Ca_Desig_Scaffold00308	87577	(C/T)
31544	CadSNP7139	<i>Desi</i>	Ca_Desig_Scaffold00308	132713	(C/T)
31545	CadSNP7140	<i>Desi</i>	Ca_Desig_Scaffold00308	132738	(G/A)
31546	CadSNP7141	<i>Desi</i>	Ca_Desig_Scaffold00308	172139	(T/A)
31547	CadSNP7142	<i>Desi</i>	Ca_Desig_Scaffold00308	172154	(A/G)
31548	CadSNP7143	<i>Desi</i>	Ca_Desig_Scaffold00310	49502	(C/G)
31549	CadSNP7144	<i>Desi</i>	Ca_Desig_Scaffold00310	69242	(C/T)
31550	CadSNP7145	<i>Desi</i>	Ca_Desig_Scaffold00312	9329	(A/C)
31551	CadSNP7146	<i>Desi</i>	Ca_Desig_Scaffold00312	28675	(G/A)
31552	CadSNP7147	<i>Desi</i>	Ca_Desig_Scaffold00312	73884	(G/T)
31553	CadSNP7148	<i>Desi</i>	Ca_Desig_Scaffold00312	75840	(T/A)
31554	CadSNP7149	<i>Desi</i>	Ca_Desig_Scaffold00312	75953	(G/A)
31555	CadSNP7150	<i>Desi</i>	Ca_Desig_Scaffold00312	75914	(T/C)
31556	CadSNP7151	<i>Desi</i>	Ca_Desig_Scaffold00316	167890	(T/C)
31557	CadSNP7152	<i>Desi</i>	Ca_Desig_Scaffold00321	12524	(G/A)
31558	CadSNP7153	<i>Desi</i>	Ca_Desig_Scaffold00321	12503	(A/T)
31559	CadSNP7154	<i>Desi</i>	Ca_Desig_Scaffold00321	12494	(T/A)
31560	CadSNP7155	<i>Desi</i>	Ca_Desig_Scaffold00321	12491	(G/A)
31561	CadSNP7156	<i>Desi</i>	Ca_Desig_Scaffold00321	12488	(T/C)
31562	CadSNP7157	<i>Desi</i>	Ca_Desig_Scaffold00321	12479	(C/T)
31563	CadSNP7158	<i>Desi</i>	Ca_Desig_Scaffold00321	143277	(T/A)
31564	CadSNP7159	<i>Desi</i>	Ca_Desig_Scaffold00321	143279	(A/T)
31565	CadSNP7160	<i>Desi</i>	Ca_Desig_Scaffold00321	172704	(T/C)
31566	CadSNP7161	<i>Desi</i>	Ca_Desig_Scaffold00322	31592	(A/G)
31567	CadSNP7162	<i>Desi</i>	Ca_Desig_Scaffold00322	53504	(A/T)
31568	CadSNP7163	<i>Desi</i>	Ca_Desig_Scaffold00322	53506	(A/C)
31569	CadSNP7164	<i>Desi</i>	Ca_Desig_Scaffold00322	55367	(C/T)
31570	CadSNP7165	<i>Desi</i>	Ca_Desig_Scaffold00322	55353	(A/G)
31571	CadSNP7166	<i>Desi</i>	Ca_Desig_Scaffold00322	116959	(A/G)
31572	CadSNP7167	<i>Desi</i>	Ca_Desig_Scaffold00322	117158	(T/C)
31573	CadSNP7168	<i>Desi</i>	Ca_Desig_Scaffold00322	127651	(G/C)
31574	CadSNP7169	<i>Desi</i>	Ca_Desig_Scaffold00327	36340	(T/C)
31575	CadSNP7170	<i>Desi</i>	Ca_Desig_Scaffold00327	40957	(C/G)
31576	CadSNP7171	<i>Desi</i>	Ca_Desig_Scaffold00327	40954	(A/C)
31577	CadSNP7172	<i>Desi</i>	Ca_Desig_Scaffold00327	40920	(A/C)

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31578	CadSNP7173	<i>Desi</i>	Ca_Desig_Scaffold00327	103495	(T/C)
31579	CadSNP7174	<i>Desi</i>	Ca_Desig_Scaffold00327	106782	(A/G)
31580	CadSNP7175	<i>Desi</i>	Ca_Desig_Scaffold00327	109849	(T/G)
31581	CadSNP7176	<i>Desi</i>	Ca_Desig_Scaffold00330	3079	(G/T)
31582	CadSNP7177	<i>Desi</i>	Ca_Desig_Scaffold00330	31224	(T/C)
31583	CadSNP7178	<i>Desi</i>	Ca_Desig_Scaffold00330	31254	(C/T)
31584	CadSNP7179	<i>Desi</i>	Ca_Desig_Scaffold00330	31266	(G/A)
31585	CadSNP7180	<i>Desi</i>	Ca_Desig_Scaffold00330	40441	(A/C)
31586	CadSNP7181	<i>Desi</i>	Ca_Desig_Scaffold00331	19292	(T/C)
31587	CadSNP7182	<i>Desi</i>	Ca_Desig_Scaffold00331	19468	(A/G)
31588	CadSNP7183	<i>Desi</i>	Ca_Desig_Scaffold00331	19436	(T/A)
31589	CadSNP7184	<i>Desi</i>	Ca_Desig_Scaffold00331	47775	(T/A)
31590	CadSNP7185	<i>Desi</i>	Ca_Desig_Scaffold00331	47809	(C/A)
31591	CadSNP7186	<i>Desi</i>	Ca_Desig_Scaffold00331	47816	(G/A)
31592	CadSNP7187	<i>Desi</i>	Ca_Desig_Scaffold00331	47847	(A/G)
31593	CadSNP7188	<i>Desi</i>	Ca_Desig_Scaffold00331	52221	(G/A)
31594	CadSNP7189	<i>Desi</i>	Ca_Desig_Scaffold00331	52249	(T/A)
31595	CadSNP7190	<i>Desi</i>	Ca_Desig_Scaffold00331	52242	(A/T)
31596	CadSNP7191	<i>Desi</i>	Ca_Desig_Scaffold00331	52238	(C/A)
31597	CadSNP7192	<i>Desi</i>	Ca_Desig_Scaffold00331	53189	(A/G)
31598	CadSNP7193	<i>Desi</i>	Ca_Desig_Scaffold00331	97218	(T/C)
31599	CadSNP7194	<i>Desi</i>	Ca_Desig_Scaffold00331	97359	(A/C)
31600	CadSNP7195	<i>Desi</i>	Ca_Desig_Scaffold00331	97386	(C/G)
31601	CadSNP7196	<i>Desi</i>	Ca_Desig_Scaffold00331	97451	(T/C)
31602	CadSNP7197	<i>Desi</i>	Ca_Desig_Scaffold00331	97478	(C/T)
31603	CadSNP7198	<i>Desi</i>	Ca_Desig_Scaffold00331	97468	(T/C)
31604	CadSNP7199	<i>Desi</i>	Ca_Desig_Scaffold00331	108675	(C/A)
31605	CadSNP7200	<i>Desi</i>	Ca_Desig_Scaffold00331	108699	(C/T)
31606	CadSNP7201	<i>Desi</i>	Ca_Desig_Scaffold00331	108727	(A/T)
31607	CadSNP7202	<i>Desi</i>	Ca_Desig_Scaffold00331	108758	(C/T)
31608	CadSNP7203	<i>Desi</i>	Ca_Desig_Scaffold00331	116816	(G/A)
31609	CadSNP7204	<i>Desi</i>	Ca_Desig_Scaffold00331	116856	(C/T)
31610	CadSNP7205	<i>Desi</i>	Ca_Desig_Scaffold00331	123132	(G/A)
31611	CadSNP7206	<i>Desi</i>	Ca_Desig_Scaffold00331	181554	(A/C)
31612	CadSNP7207	<i>Desi</i>	Ca_Desig_Scaffold00331	181674	(A/T)
31613	CadSNP7208	<i>Desi</i>	Ca_Desig_Scaffold00331	181656	(C/T)
31614	CadSNP7209	<i>Desi</i>	Ca_Desig_Scaffold00331	181642	(T/C)
31615	CadSNP7210	<i>Desi</i>	Ca_Desig_Scaffold00331	184588	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31616	CadSNP7211	<i>Desi</i>	Ca_Desig_Scaffold00331	184540	(A/G)
31617	CadSNP7212	<i>Desi</i>	Ca_Desig_Scaffold00331	184681	(C/A)
31618	CadSNP7213	<i>Desi</i>	Ca_Desig_Scaffold00331	184677	(C/A)
31619	CadSNP7214	<i>Desi</i>	Ca_Desig_Scaffold00331	185387	(A/G)
31620	CadSNP7215	<i>Desi</i>	Ca_Desig_Scaffold00332	11750	(C/T)
31621	CadSNP7216	<i>Desi</i>	Ca_Desig_Scaffold00332	25824	(C/T)
31622	CadSNP7217	<i>Desi</i>	Ca_Desig_Scaffold00332	25826	(T/G)
31623	CadSNP7218	<i>Desi</i>	Ca_Desig_Scaffold00332	25827	(A/G)
31624	CadSNP7219	<i>Desi</i>	Ca_Desig_Scaffold00332	25851	(C/T)
31625	CadSNP7220	<i>Desi</i>	Ca_Desig_Scaffold00332	25881	(A/C)
31626	CadSNP7221	<i>Desi</i>	Ca_Desig_Scaffold00332	50967	(G/A)
31627	CadSNP7222	<i>Desi</i>	Ca_Desig_Scaffold00332	96242	(T/C)
31628	CadSNP7223	<i>Desi</i>	Ca_Desig_Scaffold00332	96927	(C/G)
31629	CadSNP7224	<i>Desi</i>	Ca_Desig_Scaffold00332	135120	(C/T)
31630	CadSNP7225	<i>Desi</i>	Ca_Desig_Scaffold00332	186674	(T/C)
31631	CadSNP7226	<i>Desi</i>	Ca_Desig_Scaffold00332	186649	(G/A)
31632	CadSNP7227	<i>Desi</i>	Ca_Desig_Scaffold00332	193268	(C/T)
31633	CadSNP7228	<i>Desi</i>	Ca_Desig_Scaffold00332	193755	(A/G)
31634	CadSNP7229	<i>Desi</i>	Ca_Desig_Scaffold00332	194005	(G/A)
31635	CadSNP7230	<i>Desi</i>	Ca_Desig_Scaffold00333	42214	(C/A)
31636	CadSNP7231	<i>Desi</i>	Ca_Desig_Scaffold00333	42166	(G/A)
31637	CadSNP7232	<i>Desi</i>	Ca_Desig_Scaffold00333	42154	(T/A)
31638	CadSNP7233	<i>Desi</i>	Ca_Desig_Scaffold00333	65986	(C/A)
31639	CadSNP7234	<i>Desi</i>	Ca_Desig_Scaffold00333	113028	(A/G)
31640	CadSNP7235	<i>Desi</i>	Ca_Desig_Scaffold00333	113020	(T/C)
31641	CadSNP7236	<i>Desi</i>	Ca_Desig_Scaffold00333	113008	(A/G)
31642	CadSNP7237	<i>Desi</i>	Ca_Desig_Scaffold00333	113002	(C/T)
31643	CadSNP7238	<i>Desi</i>	Ca_Desig_Scaffold00333	113706	(G/A)
31644	CadSNP7239	<i>Desi</i>	Ca_Desig_Scaffold00333	147519	(C/T)
31645	CadSNP7240	<i>Desi</i>	Ca_Desig_Scaffold00333	155480	(A/G)
31646	CadSNP7241	<i>Desi</i>	Ca_Desig_Scaffold00333	206254	(C/T)
31647	CadSNP7242	<i>Desi</i>	Ca_Desig_Scaffold00337	7567	(A/G)
31648	CadSNP7243	<i>Desi</i>	Ca_Desig_Scaffold00337	37674	(C/G)
31649	CadSNP7244	<i>Desi</i>	Ca_Desig_Scaffold00337	43943	(T/C)
31650	CadSNP7245	<i>Desi</i>	Ca_Desig_Scaffold00337	43932	(C/A)
31651	CadSNP7246	<i>Desi</i>	Ca_Desig_Scaffold00337	43903	(G/A)
31652	CadSNP7247	<i>Desi</i>	Ca_Desig_Scaffold00337	74640	(A/T)
31653	CadSNP7248	<i>Desi</i>	Ca_Desig_Scaffold00337	87669	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31654	CadSNP7249	<i>Desi</i>	Ca_Desig_Scaffold00337	88198	(G/T)
31655	CadSNP7250	<i>Desi</i>	Ca_Desig_Scaffold00337	88249	(A/T)
31656	CadSNP7251	<i>Desi</i>	Ca_Desig_Scaffold00337	88873	(A/C)
31657	CadSNP7252	<i>Desi</i>	Ca_Desig_Scaffold00337	88915	(C/G)
31658	CadSNP7253	<i>Desi</i>	Ca_Desig_Scaffold00337	123527	(A/G)
31659	CadSNP7254	<i>Desi</i>	Ca_Desig_Scaffold00337	166816	(A/G)
31660	CadSNP7255	<i>Desi</i>	Ca_Desig_Scaffold00341	32650	(T/C)
31661	CadSNP7256	<i>Desi</i>	Ca_Desig_Scaffold00341	32644	(A/C)
31662	CadSNP7257	<i>Desi</i>	Ca_Desig_Scaffold00341	48788	(A/C)
31663	CadSNP7258	<i>Desi</i>	Ca_Desig_Scaffold00341	78049	(A/G)
31664	CadSNP7259	<i>Desi</i>	Ca_Desig_Scaffold00341	184292	(A/C)
31665	CadSNP7260	<i>Desi</i>	Ca_Desig_Scaffold00341	184295	(T/G)
31666	CadSNP7261	<i>Desi</i>	Ca_Desig_Scaffold00341	184401	(G/A)
31667	CadSNP7262	<i>Desi</i>	Ca_Desig_Scaffold00342	2395	(A/C)
31668	CadSNP7263	<i>Desi</i>	Ca_Desig_Scaffold00342	2427	(A/G)
31669	CadSNP7264	<i>Desi</i>	Ca_Desig_Scaffold00342	88069	(A/G)
31670	CadSNP7265	<i>Desi</i>	Ca_Desig_Scaffold00342	91800	(G/A)
31671	CadSNP7266	<i>Desi</i>	Ca_Desig_Scaffold00343	50014	(A/G)
31672	CadSNP7267	<i>Desi</i>	Ca_Desig_Scaffold00343	71188	(T/C)
31673	CadSNP7268	<i>Desi</i>	Ca_Desig_Scaffold00348	21634	(C/A)
31674	CadSNP7269	<i>Desi</i>	Ca_Desig_Scaffold00348	162199	(T/A)
31675	CadSNP7270	<i>Desi</i>	Ca_Desig_Scaffold00348	162170	(C/A)
31676	CadSNP7271	<i>Desi</i>	Ca_Desig_Scaffold00351	37573	(T/A)
31677	CadSNP7272	<i>Desi</i>	Ca_Desig_Scaffold00351	37596	(C/T)
31678	CadSNP7273	<i>Desi</i>	Ca_Desig_Scaffold00351	37590	(C/T)
31679	CadSNP7274	<i>Desi</i>	Ca_Desig_Scaffold00351	37607	(C/T)
31680	CadSNP7275	<i>Desi</i>	Ca_Desig_Scaffold00352	71652	(G/A)
31681	CadSNP7276	<i>Desi</i>	Ca_Desig_Scaffold00352	91763	(G/C)
31682	CadSNP7277	<i>Desi</i>	Ca_Desig_Scaffold00352	91743	(G/A)
31683	CadSNP7278	<i>Desi</i>	Ca_Desig_Scaffold00352	105957	(A/G)
31684	CadSNP7279	<i>Desi</i>	Ca_Desig_Scaffold00352	156459	(G/T)
31685	CadSNP7280	<i>Desi</i>	Ca_Desig_Scaffold00352	178618	(T/A)
31686	CadSNP7281	<i>Desi</i>	Ca_Desig_Scaffold00352	178620	(C/T)
31687	CadSNP7282	<i>Desi</i>	Ca_Desig_Scaffold00352	186533	(A/C)
31688	CadSNP7283	<i>Desi</i>	Ca_Desig_Scaffold00352	186527	(G/C)
31689	CadSNP7284	<i>Desi</i>	Ca_Desig_Scaffold00352	186525	(T/C)
31690	CadSNP7285	<i>Desi</i>	Ca_Desig_Scaffold00356	31464	(A/T)
31691	CadSNP7286	<i>Desi</i>	Ca_Desig_Scaffold00356	176441	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31692	CadSNP7287	<i>Desi</i>	Ca_Desig_Scaffold00356	176440	(G/A)
31693	CadSNP7288	<i>Desi</i>	Ca_Desig_Scaffold00356	176439	(G/A)
31694	CadSNP7289	<i>Desi</i>	Ca_Desig_Scaffold00356	176434	(C/A)
31695	CadSNP7290	<i>Desi</i>	Ca_Desig_Scaffold00356	176433	(C/A)
31696	CadSNP7291	<i>Desi</i>	Ca_Desig_Scaffold00356	176432	(G/C)
31697	CadSNP7292	<i>Desi</i>	Ca_Desig_Scaffold00356	176431	(G/T)
31698	CadSNP7293	<i>Desi</i>	Ca_Desig_Scaffold00356	176430	(C/T)
31699	CadSNP7294	<i>Desi</i>	Ca_Desig_Scaffold00356	176429	(G/T)
31700	CadSNP7295	<i>Desi</i>	Ca_Desig_Scaffold00356	176426	(G/T)
31701	CadSNP7296	<i>Desi</i>	Ca_Desig_Scaffold00357	38411	(A/C)
31702	CadSNP7297	<i>Desi</i>	Ca_Desig_Scaffold00357	38385	(C/T)
31703	CadSNP7298	<i>Desi</i>	Ca_Desig_Scaffold00357	38384	(G/A)
31704	CadSNP7299	<i>Desi</i>	Ca_Desig_Scaffold00357	38378	(C/G)
31705	CadSNP7300	<i>Desi</i>	Ca_Desig_Scaffold00357	38377	(C/T)
31706	CadSNP7301	<i>Desi</i>	Ca_Desig_Scaffold00357	38366	(A/C)
31707	CadSNP7302	<i>Desi</i>	Ca_Desig_Scaffold00357	38364	(T/C)
31708	CadSNP7303	<i>Desi</i>	Ca_Desig_Scaffold00357	38363	(G/T)
31709	CadSNP7304	<i>Desi</i>	Ca_Desig_Scaffold00357	38359	(A/G)
31710	CadSNP7305	<i>Desi</i>	Ca_Desig_Scaffold00357	38357	(A/C)
31711	CadSNP7306	<i>Desi</i>	Ca_Desig_Scaffold00357	66305	(G/A)
31712	CadSNP7307	<i>Desi</i>	Ca_Desig_Scaffold00357	66248	(C/G)
31713	CadSNP7308	<i>Desi</i>	Ca_Desig_Scaffold00357	127672	(G/C)
31714	CadSNP7309	<i>Desi</i>	Ca_Desig_Scaffold00358	4179	(A/G)
31715	CadSNP7310	<i>Desi</i>	Ca_Desig_Scaffold00358	4155	(C/T)
31716	CadSNP7311	<i>Desi</i>	Ca_Desig_Scaffold00358	4116	(C/T)
31717	CadSNP7312	<i>Desi</i>	Ca_Desig_Scaffold00358	4206	(C/A)
31718	CadSNP7313	<i>Desi</i>	Ca_Desig_Scaffold00358	4207	(G/A)
31719	CadSNP7314	<i>Desi</i>	Ca_Desig_Scaffold00358	5661	(G/T)
31720	CadSNP7315	<i>Desi</i>	Ca_Desig_Scaffold00358	5663	(A/C)
31721	CadSNP7316	<i>Desi</i>	Ca_Desig_Scaffold00358	5705	(A/G)
31722	CadSNP7317	<i>Desi</i>	Ca_Desig_Scaffold00358	54030	(C/A)
31723	CadSNP7318	<i>Desi</i>	Ca_Desig_Scaffold00358	54060	(C/T)
31724	CadSNP7319	<i>Desi</i>	Ca_Desig_Scaffold00358	54070	(A/T)
31725	CadSNP7320	<i>Desi</i>	Ca_Desig_Scaffold00358	59984	(G/T)
31726	CadSNP7321	<i>Desi</i>	Ca_Desig_Scaffold00358	59982	(T/G)
31727	CadSNP7322	<i>Desi</i>	Ca_Desig_Scaffold00358	59979	(G/A)
31728	CadSNP7323	<i>Desi</i>	Ca_Desig_Scaffold00358	59970	(T/G)
31729	CadSNP7324	<i>Desi</i>	Ca_Desig_Scaffold00358	59964	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31730	CadSNP7325	<i>Desi</i>	Ca_Desig_Scaffold00358	59961	(T/C)
31731	CadSNP7326	<i>Desi</i>	Ca_Desig_Scaffold00358	59949	(T/C)
31732	CadSNP7327	<i>Desi</i>	Ca_Desig_Scaffold00358	59937	(G/A)
31733	CadSNP7328	<i>Desi</i>	Ca_Desig_Scaffold00358	59922	(A/G)
31734	CadSNP7329	<i>Desi</i>	Ca_Desig_Scaffold00358	59919	(G/A)
31735	CadSNP7330	<i>Desi</i>	Ca_Desig_Scaffold00358	59917	(T/C)
31736	CadSNP7331	<i>Desi</i>	Ca_Desig_Scaffold00358	59916	(A/G)
31737	CadSNP7332	<i>Desi</i>	Ca_Desig_Scaffold00358	59913	(G/A)
31738	CadSNP7333	<i>Desi</i>	Ca_Desig_Scaffold00358	60668	(A/G)
31739	CadSNP7334	<i>Desi</i>	Ca_Desig_Scaffold00358	60707	(A/G)
31740	CadSNP7335	<i>Desi</i>	Ca_Desig_Scaffold00358	64139	(T/C)
31741	CadSNP7336	<i>Desi</i>	Ca_Desig_Scaffold00358	84579	(T/C)
31742	CadSNP7337	<i>Desi</i>	Ca_Desig_Scaffold00358	87001	(T/A)
31743	CadSNP7338	<i>Desi</i>	Ca_Desig_Scaffold00358	86969	(T/C)
31744	CadSNP7339	<i>Desi</i>	Ca_Desig_Scaffold00358	87106	(T/C)
31745	CadSNP7340	<i>Desi</i>	Ca_Desig_Scaffold00358	87130	(C/T)
31746	CadSNP7341	<i>Desi</i>	Ca_Desig_Scaffold00358	87142	(T/G)
31747	CadSNP7342	<i>Desi</i>	Ca_Desig_Scaffold00358	87772	(T/C)
31748	CadSNP7343	<i>Desi</i>	Ca_Desig_Scaffold00358	87781	(C/T)
31749	CadSNP7344	<i>Desi</i>	Ca_Desig_Scaffold00358	87788	(G/A)
31750	CadSNP7345	<i>Desi</i>	Ca_Desig_Scaffold00358	87813	(C/T)
31751	CadSNP7346	<i>Desi</i>	Ca_Desig_Scaffold00358	87814	(C/G)
31752	CadSNP7347	<i>Desi</i>	Ca_Desig_Scaffold00358	87825	(G/C)
31753	CadSNP7348	<i>Desi</i>	Ca_Desig_Scaffold00358	87829	(C/A)
31754	CadSNP7349	<i>Desi</i>	Ca_Desig_Scaffold00358	87834	(T/A)
31755	CadSNP7350	<i>Desi</i>	Ca_Desig_Scaffold00358	87835	(T/C)
31756	CadSNP7351	<i>Desi</i>	Ca_Desig_Scaffold00358	87837	(G/A)
31757	CadSNP7352	<i>Desi</i>	Ca_Desig_Scaffold00358	87838	(G/A)
31758	CadSNP7353	<i>Desi</i>	Ca_Desig_Scaffold00358	87849	(T/A)
31759	CadSNP7354	<i>Desi</i>	Ca_Desig_Scaffold00358	113843	(T/C)
31760	CadSNP7355	<i>Desi</i>	Ca_Desig_Scaffold00358	113861	(T/C)
31761	CadSNP7356	<i>Desi</i>	Ca_Desig_Scaffold00358	113891	(G/A)
31762	CadSNP7357	<i>Desi</i>	Ca_Desig_Scaffold00358	113909	(G/T)
31763	CadSNP7358	<i>Desi</i>	Ca_Desig_Scaffold00358	113959	(C/T)
31764	CadSNP7359	<i>Desi</i>	Ca_Desig_Scaffold00358	114922	(A/G)
31765	CadSNP7360	<i>Desi</i>	Ca_Desig_Scaffold00358	115047	(T/C)
31766	CadSNP7361	<i>Desi</i>	Ca_Desig_Scaffold00358	115046	(T/A)
31767	CadSNP7362	<i>Desi</i>	Ca_Desig_Scaffold00358	136569	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31768	CadSNP7363	<i>Desi</i>	Ca_Desig_Scaffold00358	136547	(T/C)
31769	CadSNP7364	<i>Desi</i>	Ca_Desig_Scaffold00358	136525	(T/C)
31770	CadSNP7365	<i>Desi</i>	Ca_Desig_Scaffold00358	141753	(A/G)
31771	CadSNP7366	<i>Desi</i>	Ca_Desig_Scaffold00358	141803	(T/C)
31772	CadSNP7367	<i>Desi</i>	Ca_Desig_Scaffold00358	141900	(A/C)
31773	CadSNP7368	<i>Desi</i>	Ca_Desig_Scaffold00358	141843	(G/T)
31774	CadSNP7369	<i>Desi</i>	Ca_Desig_Scaffold00358	166963	(A/G)
31775	CadSNP7370	<i>Desi</i>	Ca_Desig_Scaffold00358	169047	(C/A)
31776	CadSNP7371	<i>Desi</i>	Ca_Desig_Scaffold00358	169054	(A/G)
31777	CadSNP7372	<i>Desi</i>	Ca_Desig_Scaffold00360	8294	(C/T)
31778	CadSNP7373	<i>Desi</i>	Ca_Desig_Scaffold00360	26627	(G/A)
31779	CadSNP7374	<i>Desi</i>	Ca_Desig_Scaffold00360	77762	(C/T)
31780	CadSNP7375	<i>Desi</i>	Ca_Desig_Scaffold00360	170399	(A/C)
31781	CadSNP7376	<i>Desi</i>	Ca_Desig_Scaffold00360	175256	(G/A)
31782	CadSNP7377	<i>Desi</i>	Ca_Desig_Scaffold00363	14323	(T/A)
31783	CadSNP7378	<i>Desi</i>	Ca_Desig_Scaffold00363	137391	(G/A)
31784	CadSNP7379	<i>Desi</i>	Ca_Desig_Scaffold00364	15583	(G/A)
31785	CadSNP7380	<i>Desi</i>	Ca_Desig_Scaffold00364	38866	(T/C)
31786	CadSNP7381	<i>Desi</i>	Ca_Desig_Scaffold00364	82802	(G/T)
31787	CadSNP7382	<i>Desi</i>	Ca_Desig_Scaffold00364	82847	(G/A)
31788	CadSNP7383	<i>Desi</i>	Ca_Desig_Scaffold00368	61912	(T/C)
31789	CadSNP7384	<i>Desi</i>	Ca_Desig_Scaffold00371	34922	(T/G)
31790	CadSNP7385	<i>Desi</i>	Ca_Desig_Scaffold00371	35017	(G/A)
31791	CadSNP7386	<i>Desi</i>	Ca_Desig_Scaffold00371	35014	(T/C)
31792	CadSNP7387	<i>Desi</i>	Ca_Desig_Scaffold00371	35079	(A/G)
31793	CadSNP7388	<i>Desi</i>	Ca_Desig_Scaffold00371	57819	(A/T)
31794	CadSNP7389	<i>Desi</i>	Ca_Desig_Scaffold00371	72595	(C/T)
31795	CadSNP7390	<i>Desi</i>	Ca_Desig_Scaffold00371	80049	(T/C)
31796	CadSNP7391	<i>Desi</i>	Ca_Desig_Scaffold00371	80055	(G/A)
31797	CadSNP7392	<i>Desi</i>	Ca_Desig_Scaffold00371	80093	(C/T)
31798	CadSNP7393	<i>Desi</i>	Ca_Desig_Scaffold00374	168776	(T/C)
31799	CadSNP7394	<i>Desi</i>	Ca_Desig_Scaffold00374	168734	(G/T)
31800	CadSNP7395	<i>Desi</i>	Ca_Desig_Scaffold00376	11345	(A/G)
31801	CadSNP7396	<i>Desi</i>	Ca_Desig_Scaffold00376	18847	(C/T)
31802	CadSNP7397	<i>Desi</i>	Ca_Desig_Scaffold00376	129442	(T/C)
31803	CadSNP7398	<i>Desi</i>	Ca_Desig_Scaffold00381	16995	(A/G)
31804	CadSNP7399	<i>Desi</i>	Ca_Desig_Scaffold00381	48706	(C/T)
31805	CadSNP7400	<i>Desi</i>	Ca_Desig_Scaffold00381	48757	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31806	CadSNP7401	<i>Desi</i>	Ca_Desig_Scaffold00381	48762	(A/G)
31807	CadSNP7402	<i>Desi</i>	Ca_Desig_Scaffold00381	48771	(G/A)
31808	CadSNP7403	<i>Desi</i>	Ca_Desig_Scaffold00381	48774	(T/C)
31809	CadSNP7404	<i>Desi</i>	Ca_Desig_Scaffold00381	92859	(C/T)
31810	CadSNP7405	<i>Desi</i>	Ca_Desig_Scaffold00381	92892	(C/A)
31811	CadSNP7406	<i>Desi</i>	Ca_Desig_Scaffold00381	113026	(T/C)
31812	CadSNP7407	<i>Desi</i>	Ca_Desig_Scaffold00381	127238	(G/T)
31813	CadSNP7408	<i>Desi</i>	Ca_Desig_Scaffold00381	127328	(A/C)
31814	CadSNP7409	<i>Desi</i>	Ca_Desig_Scaffold00381	127332	(A/T)
31815	CadSNP7410	<i>Desi</i>	Ca_Desig_Scaffold00381	128216	(A/C)
31816	CadSNP7411	<i>Desi</i>	Ca_Desig_Scaffold00381	128247	(T/A)
31817	CadSNP7412	<i>Desi</i>	Ca_Desig_Scaffold00381	128277	(A/T)
31818	CadSNP7413	<i>Desi</i>	Ca_Desig_Scaffold00381	129872	(A/G)
31819	CadSNP7414	<i>Desi</i>	Ca_Desig_Scaffold00381	136217	(C/A)
31820	CadSNP7415	<i>Desi</i>	Ca_Desig_Scaffold00381	136227	(A/T)
31821	CadSNP7416	<i>Desi</i>	Ca_Desig_Scaffold00381	136944	(T/A)
31822	CadSNP7417	<i>Desi</i>	Ca_Desig_Scaffold00381	137172	(A/T)
31823	CadSNP7418	<i>Desi</i>	Ca_Desig_Scaffold00381	137155	(T/A)
31824	CadSNP7419	<i>Desi</i>	Ca_Desig_Scaffold00381	137111	(G/C)
31825	CadSNP7420	<i>Desi</i>	Ca_Desig_Scaffold00381	149326	(G/A)
31826	CadSNP7421	<i>Desi</i>	Ca_Desig_Scaffold00381	149384	(G/A)
31827	CadSNP7422	<i>Desi</i>	Ca_Desig_Scaffold00381	149399	(G/T)
31828	CadSNP7423	<i>Desi</i>	Ca_Desig_Scaffold00381	149441	(A/G)
31829	CadSNP7424	<i>Desi</i>	Ca_Desig_Scaffold00381	177554	(T/C)
31830	CadSNP7425	<i>Desi</i>	Ca_Desig_Scaffold00381	179615	(G/C)
31831	CadSNP7426	<i>Desi</i>	Ca_Desig_Scaffold00382	116811	(A/C)
31832	CadSNP7427	<i>Desi</i>	Ca_Desig_Scaffold00383	55779	(A/G)
31833	CadSNP7428	<i>Desi</i>	Ca_Desig_Scaffold00383	61089	(C/A)
31834	CadSNP7429	<i>Desi</i>	Ca_Desig_Scaffold00383	61283	(A/G)
31835	CadSNP7430	<i>Desi</i>	Ca_Desig_Scaffold00383	61273	(C/G)
31836	CadSNP7431	<i>Desi</i>	Ca_Desig_Scaffold00383	170998	(G/T)
31837	CadSNP7432	<i>Desi</i>	Ca_Desig_Scaffold00383	171011	(T/G)
31838	CadSNP7433	<i>Desi</i>	Ca_Desig_Scaffold00383	171024	(C/A)
31839	CadSNP7434	<i>Desi</i>	Ca_Desig_Scaffold00383	171107	(T/G)
31840	CadSNP7435	<i>Desi</i>	Ca_Desig_Scaffold00384	53855	(T/A)
31841	CadSNP7436	<i>Desi</i>	Ca_Desig_Scaffold00384	53885	(A/G)
31842	CadSNP7437	<i>Desi</i>	Ca_Desig_Scaffold00384	53888	(T/G)
31843	CadSNP7438	<i>Desi</i>	Ca_Desig_Scaffold00384	53897	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31844	CadSNP7439	<i>Desi</i>	Ca_Desig_Scaffold00384	53909	(A/G)
31845	CadSNP7440	<i>Desi</i>	Ca_Desig_Scaffold00384	53911	(T/C)
31846	CadSNP7441	<i>Desi</i>	Ca_Desig_Scaffold00384	53915	(T/A)
31847	CadSNP7442	<i>Desi</i>	Ca_Desig_Scaffold00384	53918	(C/G)
31848	CadSNP7443	<i>Desi</i>	Ca_Desig_Scaffold00384	53929	(C/G)
31849	CadSNP7444	<i>Desi</i>	Ca_Desig_Scaffold00384	53933	(G/A)
31850	CadSNP7445	<i>Desi</i>	Ca_Desig_Scaffold00384	53936	(A/C)
31851	CadSNP7446	<i>Desi</i>	Ca_Desig_Scaffold00384	178043	(G/C)
31852	CadSNP7447	<i>Desi</i>	Ca_Desig_Scaffold00385	166507	(A/G)
31853	CadSNP7448	<i>Desi</i>	Ca_Desig_Scaffold00385	166548	(G/C)
31854	CadSNP7449	<i>Desi</i>	Ca_Desig_Scaffold00385	166561	(A/G)
31855	CadSNP7450	<i>Desi</i>	Ca_Desig_Scaffold00385	166670	(T/G)
31856	CadSNP7451	<i>Desi</i>	Ca_Desig_Scaffold00385	166778	(G/A)
31857	CadSNP7452	<i>Desi</i>	Ca_Desig_Scaffold00385	167051	(T/C)
31858	CadSNP7453	<i>Desi</i>	Ca_Desig_Scaffold00390	9734	(T/G)
31859	CadSNP7454	<i>Desi</i>	Ca_Desig_Scaffold00390	20736	(G/T)
31860	CadSNP7455	<i>Desi</i>	Ca_Desig_Scaffold00390	20839	(C/T)
31861	CadSNP7456	<i>Desi</i>	Ca_Desig_Scaffold00390	20811	(A/C)
31862	CadSNP7457	<i>Desi</i>	Ca_Desig_Scaffold00390	21193	(G/A)
31863	CadSNP7458	<i>Desi</i>	Ca_Desig_Scaffold00390	21197	(G/T)
31864	CadSNP7459	<i>Desi</i>	Ca_Desig_Scaffold00390	57690	(A/C)
31865	CadSNP7460	<i>Desi</i>	Ca_Desig_Scaffold00390	57691	(G/C)
31866	CadSNP7461	<i>Desi</i>	Ca_Desig_Scaffold00390	97662	(A/G)
31867	CadSNP7462	<i>Desi</i>	Ca_Desig_Scaffold00390	102927	(C/T)
31868	CadSNP7463	<i>Desi</i>	Ca_Desig_Scaffold00390	128916	(C/T)
31869	CadSNP7464	<i>Desi</i>	Ca_Desig_Scaffold00390	129490	(C/A)
31870	CadSNP7465	<i>Desi</i>	Ca_Desig_Scaffold00390	140456	(T/A)
31871	CadSNP7466	<i>Desi</i>	Ca_Desig_Scaffold00390	146114	(C/G)
31872	CadSNP7467	<i>Desi</i>	Ca_Desig_Scaffold00390	146102	(A/G)
31873	CadSNP7468	<i>Desi</i>	Ca_Desig_Scaffold00390	146066	(A/G)
31874	CadSNP7469	<i>Desi</i>	Ca_Desig_Scaffold00390	146178	(A/G)
31875	CadSNP7470	<i>Desi</i>	Ca_Desig_Scaffold00390	170441	(A/T)
31876	CadSNP7471	<i>Desi</i>	Ca_Desig_Scaffold00390	170460	(G/A)
31877	CadSNP7472	<i>Desi</i>	Ca_Desig_Scaffold00390	170475	(T/G)
31878	CadSNP7473	<i>Desi</i>	Ca_Desig_Scaffold00390	170485	(C/T)
31879	CadSNP7474	<i>Desi</i>	Ca_Desig_Scaffold00394	54392	(T/C)
31880	CadSNP7475	<i>Desi</i>	Ca_Desig_Scaffold00394	57729	(G/A)
31881	CadSNP7476	<i>Desi</i>	Ca_Desig_Scaffold00394	57781	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31882	CadSNP7477	<i>Desi</i>	Ca_Desig_Scaffold00394	63185	(A/G)
31883	CadSNP7478	<i>Desi</i>	Ca_Desig_Scaffold00394	89505	(A/T)
31884	CadSNP7479	<i>Desi</i>	Ca_Desig_Scaffold00394	95033	(A/G)
31885	CadSNP7480	<i>Desi</i>	Ca_Desig_Scaffold00394	128542	(G/T)
31886	CadSNP7481	<i>Desi</i>	Ca_Desig_Scaffold00396	65774	(A/T)
31887	CadSNP7482	<i>Desi</i>	Ca_Desig_Scaffold00396	65775	(T/A)
31888	CadSNP7483	<i>Desi</i>	Ca_Desig_Scaffold00398	59294	(G/T)
31889	CadSNP7484	<i>Desi</i>	Ca_Desig_Scaffold00398	59340	(T/C)
31890	CadSNP7485	<i>Desi</i>	Ca_Desig_Scaffold00398	133417	(T/C)
31891	CadSNP7486	<i>Desi</i>	Ca_Desig_Scaffold00398	171208	(G/T)
31892	CadSNP7487	<i>Desi</i>	Ca_Desig_Scaffold00398	171167	(C/T)
31893	CadSNP7488	<i>Desi</i>	Ca_Desig_Scaffold00400	3799	(T/G)
31894	CadSNP7489	<i>Desi</i>	Ca_Desig_Scaffold00400	26610	(T/A)
31895	CadSNP7490	<i>Desi</i>	Ca_Desig_Scaffold00400	26608	(C/T)
31896	CadSNP7491	<i>Desi</i>	Ca_Desig_Scaffold00400	26604	(T/C)
31897	CadSNP7492	<i>Desi</i>	Ca_Desig_Scaffold00400	26602	(G/A)
31898	CadSNP7493	<i>Desi</i>	Ca_Desig_Scaffold00400	26580	(A/G)
31899	CadSNP7494	<i>Desi</i>	Ca_Desig_Scaffold00400	26577	(T/C)
31900	CadSNP7495	<i>Desi</i>	Ca_Desig_Scaffold00400	26541	(A/G)
31901	CadSNP7496	<i>Desi</i>	Ca_Desig_Scaffold00400	26533	(T/A)
31902	CadSNP7497	<i>Desi</i>	Ca_Desig_Scaffold00400	45077	(A/G)
31903	CadSNP7498	<i>Desi</i>	Ca_Desig_Scaffold00400	137447	(A/T)
31904	CadSNP7499	<i>Desi</i>	Ca_Desig_Scaffold00401	770	(G/A)
31905	CadSNP7500	<i>Desi</i>	Ca_Desig_Scaffold00401	783	(A/C)
31906	CadSNP7501	<i>Desi</i>	Ca_Desig_Scaffold00401	797	(G/A)
31907	CadSNP7502	<i>Desi</i>	Ca_Desig_Scaffold00401	805	(C/T)
31908	CadSNP7503	<i>Desi</i>	Ca_Desig_Scaffold00401	179685	(A/C)
31909	CadSNP7504	<i>Desi</i>	Ca_Desig_Scaffold00402	28580	(T/G)
31910	CadSNP7505	<i>Desi</i>	Ca_Desig_Scaffold00402	28695	(A/G)
31911	CadSNP7506	<i>Desi</i>	Ca_Desig_Scaffold00402	28778	(G/A)
31912	CadSNP7507	<i>Desi</i>	Ca_Desig_Scaffold00402	103606	(T/C)
31913	CadSNP7508	<i>Desi</i>	Ca_Desig_Scaffold00402	103642	(G/A)
31914	CadSNP7509	<i>Desi</i>	Ca_Desig_Scaffold00402	103629	(A/G)
31915	CadSNP7510	<i>Desi</i>	Ca_Desig_Scaffold00402	103626	(G/A)
31916	CadSNP7511	<i>Desi</i>	Ca_Desig_Scaffold00402	161355	(T/C)
31917	CadSNP7512	<i>Desi</i>	Ca_Desig_Scaffold00402	161484	(A/G)
31918	CadSNP7513	<i>Desi</i>	Ca_Desig_Scaffold00402	172580	(T/C)
31919	CadSNP7514	<i>Desi</i>	Ca_Desig_Scaffold00402	172640	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
31920	CadSNP7515	<i>Desi</i>	Ca_Desig_Scaffold00402	173305	(G/A)
31921	CadSNP7516	<i>Desi</i>	Ca_Desig_Scaffold00402	173313	(C/G)
31922	CadSNP7517	<i>Desi</i>	Ca_Desig_Scaffold00402	173346	(G/T)
31923	CadSNP7518	<i>Desi</i>	Ca_Desig_Scaffold00402	173364	(G/A)
31924	CadSNP7519	<i>Desi</i>	Ca_Desig_Scaffold00407	21242	(C/T)
31925	CadSNP7520	<i>Desi</i>	Ca_Desig_Scaffold00407	21307	(C/A)
31926	CadSNP7521	<i>Desi</i>	Ca_Desig_Scaffold00407	64812	(G/A)
31927	CadSNP7522	<i>Desi</i>	Ca_Desig_Scaffold00407	64824	(A/T)
31928	CadSNP7523	<i>Desi</i>	Ca_Desig_Scaffold00407	64963	(A/C)
31929	CadSNP7524	<i>Desi</i>	Ca_Desig_Scaffold00407	68861	(C/A)
31930	CadSNP7525	<i>Desi</i>	Ca_Desig_Scaffold00407	84271	(A/G)
31931	CadSNP7526	<i>Desi</i>	Ca_Desig_Scaffold00407	127831	(A/C)
31932	CadSNP7527	<i>Desi</i>	Ca_Desig_Scaffold00407	128000	(T/A)
31933	CadSNP7528	<i>Desi</i>	Ca_Desig_Scaffold00408	130777	(A/G)
31934	CadSNP7529	<i>Desi</i>	Ca_Desig_Scaffold00409	7135	(A/G)
31935	CadSNP7530	<i>Desi</i>	Ca_Desig_Scaffold00409	7133	(G/A)
31936	CadSNP7531	<i>Desi</i>	Ca_Desig_Scaffold00409	13789	(G/A)
31937	CadSNP7532	<i>Desi</i>	Ca_Desig_Scaffold00409	92402	(G/T)
31938	CadSNP7533	<i>Desi</i>	Ca_Desig_Scaffold00409	92432	(C/A)
31939	CadSNP7534	<i>Desi</i>	Ca_Desig_Scaffold00415	227564	(A/T)
31940	CadSNP7535	<i>Desi</i>	Ca_Desig_Scaffold00415	227566	(G/T)
31941	CadSNP7536	<i>Desi</i>	Ca_Desig_Scaffold00415	227573	(A/C)
31942	CadSNP7537	<i>Desi</i>	Ca_Desig_Scaffold00415	227548	(A/T)
31943	CadSNP7538	<i>Desi</i>	Ca_Desig_Scaffold00417	19371	(A/G)
31944	CadSNP7539	<i>Desi</i>	Ca_Desig_Scaffold00417	50200	(T/C)
31945	CadSNP7540	<i>Desi</i>	Ca_Desig_Scaffold00417	107434	(C/T)
31946	CadSNP7541	<i>Desi</i>	Ca_Desig_Scaffold00417	107437	(C/G)
31947	CadSNP7542	<i>Desi</i>	Ca_Desig_Scaffold00417	107449	(C/T)
31948	CadSNP7543	<i>Desi</i>	Ca_Desig_Scaffold00418	162291	(C/A)
31949	CadSNP7544	<i>Desi</i>	Ca_Desig_Scaffold00418	165187	(C/T)
31950	CadSNP7545	<i>Desi</i>	Ca_Desig_Scaffold00418	165188	(T/C)
31951	CadSNP7546	<i>Desi</i>	Ca_Desig_Scaffold00418	165212	(T/C)
31952	CadSNP7547	<i>Desi</i>	Ca_Desig_Scaffold00419	16761	(T/C)
31953	CadSNP7548	<i>Desi</i>	Ca_Desig_Scaffold00419	17411	(G/T)
31954	CadSNP7549	<i>Desi</i>	Ca_Desig_Scaffold00419	17352	(G/A)
31955	CadSNP7550	<i>Desi</i>	Ca_Desig_Scaffold00419	28474	(A/G)
31956	CadSNP7551	<i>Desi</i>	Ca_Desig_Scaffold00419	31750	(A/G)
31957	CadSNP7552	<i>Desi</i>	Ca_Desig_Scaffold00419	37199	(A/T)

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31958	CadSNP7553	<i>Desi</i>	Ca_Desig_Scaffold00419	37225	(C/T)
31959	CadSNP7554	<i>Desi</i>	Ca_Desig_Scaffold00419	71346	(A/G)
31960	CadSNP7555	<i>Desi</i>	Ca_Desig_Scaffold00420	10777	(G/C)
31961	CadSNP7556	<i>Desi</i>	Ca_Desig_Scaffold00420	19876	(T/G)
31962	CadSNP7557	<i>Desi</i>	Ca_Desig_Scaffold00420	20834	(G/A)
31963	CadSNP7558	<i>Desi</i>	Ca_Desig_Scaffold00420	20833	(A/G)
31964	CadSNP7559	<i>Desi</i>	Ca_Desig_Scaffold00420	23299	(A/G)
31965	CadSNP7560	<i>Desi</i>	Ca_Desig_Scaffold00420	58218	(C/T)
31966	CadSNP7561	<i>Desi</i>	Ca_Desig_Scaffold00420	95188	(G/A)
31967	CadSNP7562	<i>Desi</i>	Ca_Desig_Scaffold00420	120688	(T/A)
31968	CadSNP7563	<i>Desi</i>	Ca_Desig_Scaffold00420	120779	(A/G)
31969	CadSNP7564	<i>Desi</i>	Ca_Desig_Scaffold00420	153441	(A/T)
31970	CadSNP7565	<i>Desi</i>	Ca_Desig_Scaffold00420	153429	(G/A)
31971	CadSNP7566	<i>Desi</i>	Ca_Desig_Scaffold00420	153483	(G/A)
31972	CadSNP7567	<i>Desi</i>	Ca_Desig_Scaffold00420	153499	(C/T)
31973	CadSNP7568	<i>Desi</i>	Ca_Desig_Scaffold00420	153544	(C/T)
31974	CadSNP7569	<i>Desi</i>	Ca_Desig_Scaffold00420	153592	(T/C)
31975	CadSNP7570	<i>Desi</i>	Ca_Desig_Scaffold00423	35078	(T/C)
31976	CadSNP7571	<i>Desi</i>	Ca_Desig_Scaffold00423	40819	(C/T)
31977	CadSNP7572	<i>Desi</i>	Ca_Desig_Scaffold00423	60413	(A/T)
31978	CadSNP7573	<i>Desi</i>	Ca_Desig_Scaffold00423	60386	(G/A)
31979	CadSNP7574	<i>Desi</i>	Ca_Desig_Scaffold00423	74452	(C/T)
31980	CadSNP7575	<i>Desi</i>	Ca_Desig_Scaffold00423	76126	(C/G)
31981	CadSNP7576	<i>Desi</i>	Ca_Desig_Scaffold00423	76157	(T/G)
31982	CadSNP7577	<i>Desi</i>	Ca_Desig_Scaffold00423	103616	(T/C)
31983	CadSNP7578	<i>Desi</i>	Ca_Desig_Scaffold00423	103619	(A/G)
31984	CadSNP7579	<i>Desi</i>	Ca_Desig_Scaffold00423	103625	(T/G)
31985	CadSNP7580	<i>Desi</i>	Ca_Desig_Scaffold00423	103678	(A/G)
31986	CadSNP7581	<i>Desi</i>	Ca_Desig_Scaffold00423	103711	(G/T)
31987	CadSNP7582	<i>Desi</i>	Ca_Desig_Scaffold00423	103699	(A/G)
31988	CadSNP7583	<i>Desi</i>	Ca_Desig_Scaffold00429	113613	(A/C)
31989	CadSNP7584	<i>Desi</i>	Ca_Desig_Scaffold00429	113612	(A/T)
31990	CadSNP7585	<i>Desi</i>	Ca_Desig_Scaffold00435	36448	(T/A)
31991	CadSNP7586	<i>Desi</i>	Ca_Desig_Scaffold00435	68893	(C/T)
31992	CadSNP7587	<i>Desi</i>	Ca_Desig_Scaffold00435	100414	(G/A)
31993	CadSNP7588	<i>Desi</i>	Ca_Desig_Scaffold00435	100464	(C/T)
31994	CadSNP7589	<i>Desi</i>	Ca_Desig_Scaffold00437	63866	(A/C)
31995	CadSNP7590	<i>Desi</i>	Ca_Desig_Scaffold00437	66266	(A/T)

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31996	CadSNP7591	<i>Desi</i>	Ca_Desig_Scaffold00437	66264	(C/T)
31997	CadSNP7592	<i>Desi</i>	Ca_Desig_Scaffold00437	95740	(C/T)
31998	CadSNP7593	<i>Desi</i>	Ca_Desig_Scaffold00437	96008	(A/G)
31999	CadSNP7594	<i>Desi</i>	Ca_Desig_Scaffold00437	96361	(A/T)
32000	CadSNP7595	<i>Desi</i>	Ca_Desig_Scaffold00437	96354	(C/G)
32001	CadSNP7596	<i>Desi</i>	Ca_Desig_Scaffold00437	96349	(C/T)
32002	CadSNP7597	<i>Desi</i>	Ca_Desig_Scaffold00437	96344	(A/C)
32003	CadSNP7598	<i>Desi</i>	Ca_Desig_Scaffold00437	96337	(C/T)
32004	CadSNP7599	<i>Desi</i>	Ca_Desig_Scaffold00437	109012	(A/C)
32005	CadSNP7600	<i>Desi</i>	Ca_Desig_Scaffold00438	28209	(T/G)
32006	CadSNP7601	<i>Desi</i>	Ca_Desig_Scaffold00438	41669	(A/C)
32007	CadSNP7602	<i>Desi</i>	Ca_Desig_Scaffold00438	41849	(G/C)
32008	CadSNP7603	<i>Desi</i>	Ca_Desig_Scaffold00438	98448	(G/A)
32009	CadSNP7604	<i>Desi</i>	Ca_Desig_Scaffold00438	116648	(T/A)
32010	CadSNP7605	<i>Desi</i>	Ca_Desig_Scaffold00438	129543	(G/A)
32011	CadSNP7606	<i>Desi</i>	Ca_Desig_Scaffold00440	10922	(C/G)
32012	CadSNP7607	<i>Desi</i>	Ca_Desig_Scaffold00440	10866	(T/C)
32013	CadSNP7608	<i>Desi</i>	Ca_Desig_Scaffold00440	11562	(C/T)
32014	CadSNP7609	<i>Desi</i>	Ca_Desig_Scaffold00440	11758	(A/G)
32015	CadSNP7610	<i>Desi</i>	Ca_Desig_Scaffold00440	11731	(C/T)
32016	CadSNP7611	<i>Desi</i>	Ca_Desig_Scaffold00440	57309	(T/A)
32017	CadSNP7612	<i>Desi</i>	Ca_Desig_Scaffold00440	141645	(C/T)
32018	CadSNP7613	<i>Desi</i>	Ca_Desig_Scaffold00440	146753	(T/C)
32019	CadSNP7614	<i>Desi</i>	Ca_Desig_Scaffold00440	146779	(A/G)
32020	CadSNP7615	<i>Desi</i>	Ca_Desig_Scaffold00440	147647	(T/A)
32021	CadSNP7616	<i>Desi</i>	Ca_Desig_Scaffold00440	158140	(A/G)
32022	CadSNP7617	<i>Desi</i>	Ca_Desig_Scaffold00440	158238	(A/C)
32023	CadSNP7618	<i>Desi</i>	Ca_Desig_Scaffold00440	161122	(C/A)
32024	CadSNP7619	<i>Desi</i>	Ca_Desig_Scaffold00441	99425	(T/C)
32025	CadSNP7620	<i>Desi</i>	Ca_Desig_Scaffold00441	99466	(G/A)
32026	CadSNP7621	<i>Desi</i>	Ca_Desig_Scaffold00441	141636	(C/A)
32027	CadSNP7622	<i>Desi</i>	Ca_Desig_Scaffold00441	141695	(A/C)
32028	CadSNP7623	<i>Desi</i>	Ca_Desig_Scaffold00444	122158	(T/C)
32029	CadSNP7624	<i>Desi</i>	Ca_Desig_Scaffold00444	122446	(T/C)
32030	CadSNP7625	<i>Desi</i>	Ca_Desig_Scaffold00446	325471	(A/G)
32031	CadSNP7626	<i>Desi</i>	Ca_Desig_Scaffold00447	71827	(A/C)
32032	CadSNP7627	<i>Desi</i>	Ca_Desig_Scaffold00447	71838	(G/C)
32033	CadSNP7628	<i>Desi</i>	Ca_Desig_Scaffold00447	71880	(G/A)

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32034	CadSNP7629	<i>Desi</i>	Ca_Desig_Scaffold00447	72008	(C/T)
32035	CadSNP7630	<i>Desi</i>	Ca_Desig_Scaffold00447	71990	(A/T)
32036	CadSNP7631	<i>Desi</i>	Ca_Desig_Scaffold00447	71975	(T/C)
32037	CadSNP7632	<i>Desi</i>	Ca_Desig_Scaffold00447	71954	(A/G)
32038	CadSNP7633	<i>Desi</i>	Ca_Desig_Scaffold00447	73252	(G/A)
32039	CadSNP7634	<i>Desi</i>	Ca_Desig_Scaffold00447	73309	(G/A)
32040	CadSNP7635	<i>Desi</i>	Ca_Desig_Scaffold00447	73358	(C/T)
32041	CadSNP7636	<i>Desi</i>	Ca_Desig_Scaffold00447	73405	(G/T)
32042	CadSNP7637	<i>Desi</i>	Ca_Desig_Scaffold00447	73421	(A/G)
32043	CadSNP7638	<i>Desi</i>	Ca_Desig_Scaffold00447	73471	(C/T)
32044	CadSNP7639	<i>Desi</i>	Ca_Desig_Scaffold00447	73477	(A/G)
32045	CadSNP7640	<i>Desi</i>	Ca_Desig_Scaffold00447	73519	(C/G)
32046	CadSNP7641	<i>Desi</i>	Ca_Desig_Scaffold00447	73960	(A/C)
32047	CadSNP7642	<i>Desi</i>	Ca_Desig_Scaffold00447	80443	(A/G)
32048	CadSNP7643	<i>Desi</i>	Ca_Desig_Scaffold00447	139082	(T/A)
32049	CadSNP7644	<i>Desi</i>	Ca_Desig_Scaffold00447	140035	(T/C)
32050	CadSNP7645	<i>Desi</i>	Ca_Desig_Scaffold00447	140045	(C/T)
32051	CadSNP7646	<i>Desi</i>	Ca_Desig_Scaffold00447	140103	(A/C)
32052	CadSNP7647	<i>Desi</i>	Ca_Desig_Scaffold00447	140119	(T/A)
32053	CadSNP7648	<i>Desi</i>	Ca_Desig_Scaffold00447	142840	(A/T)
32054	CadSNP7649	<i>Desi</i>	Ca_Desig_Scaffold00447	146554	(A/T)
32055	CadSNP7650	<i>Desi</i>	Ca_Desig_Scaffold00448	21060	(A/T)
32056	CadSNP7651	<i>Desi</i>	Ca_Desig_Scaffold00448	78246	(T/C)
32057	CadSNP7652	<i>Desi</i>	Ca_Desig_Scaffold00448	85533	(A/T)
32058	CadSNP7653	<i>Desi</i>	Ca_Desig_Scaffold00448	86013	(A/G)
32059	CadSNP7654	<i>Desi</i>	Ca_Desig_Scaffold00448	114042	(A/G)
32060	CadSNP7655	<i>Desi</i>	Ca_Desig_Scaffold00448	119969	(T/G)
32061	CadSNP7656	<i>Desi</i>	Ca_Desig_Scaffold00448	119973	(A/G)
32062	CadSNP7657	<i>Desi</i>	Ca_Desig_Scaffold00448	119981	(T/G)
32063	CadSNP7658	<i>Desi</i>	Ca_Desig_Scaffold00448	119982	(C/T)
32064	CadSNP7659	<i>Desi</i>	Ca_Desig_Scaffold00448	120001	(A/G)
32065	CadSNP7660	<i>Desi</i>	Ca_Desig_Scaffold00448	120100	(G/T)
32066	CadSNP7661	<i>Desi</i>	Ca_Desig_Scaffold00448	120132	(T/C)
32067	CadSNP7662	<i>Desi</i>	Ca_Desig_Scaffold00448	120233	(G/T)
32068	CadSNP7663	<i>Desi</i>	Ca_Desig_Scaffold00448	120228	(G/A)
32069	CadSNP7664	<i>Desi</i>	Ca_Desig_Scaffold00448	120222	(G/T)
32070	CadSNP7665	<i>Desi</i>	Ca_Desig_Scaffold00448	120220	(G/A)
32071	CadSNP7666	<i>Desi</i>	Ca_Desig_Scaffold00448	136143	(A/G)

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32072	CadSNP7667	<i>Desi</i>	Ca_Desig_Scaffold00448	136173	(G/A)
32073	CadSNP7668	<i>Desi</i>	Ca_Desig_Scaffold00449	24152	(G/T)
32074	CadSNP7669	<i>Desi</i>	Ca_Desig_Scaffold00449	24155	(A/C)
32075	CadSNP7670	<i>Desi</i>	Ca_Desig_Scaffold00449	48037	(G/T)
32076	CadSNP7671	<i>Desi</i>	Ca_Desig_Scaffold00449	48005	(T/G)
32077	CadSNP7672	<i>Desi</i>	Ca_Desig_Scaffold00449	48106	(G/T)
32078	CadSNP7673	<i>Desi</i>	Ca_Desig_Scaffold00449	75954	(A/G)
32079	CadSNP7674	<i>Desi</i>	Ca_Desig_Scaffold00449	97070	(T/C)
32080	CadSNP7675	<i>Desi</i>	Ca_Desig_Scaffold00449	97011	(G/T)
32081	CadSNP7676	<i>Desi</i>	Ca_Desig_Scaffold00450	42553	(C/T)
32082	CadSNP7677	<i>Desi</i>	Ca_Desig_Scaffold00450	42691	(C/A)
32083	CadSNP7678	<i>Desi</i>	Ca_Desig_Scaffold00450	42711	(C/G)
32084	CadSNP7679	<i>Desi</i>	Ca_Desig_Scaffold00450	93887	(C/T)
32085	CadSNP7680	<i>Desi</i>	Ca_Desig_Scaffold00450	94223	(G/A)
32086	CadSNP7681	<i>Desi</i>	Ca_Desig_Scaffold00450	94187	(G/A)
32087	CadSNP7682	<i>Desi</i>	Ca_Desig_Scaffold00450	94182	(C/G)
32088	CadSNP7683	<i>Desi</i>	Ca_Desig_Scaffold00450	94267	(C/T)
32089	CadSNP7684	<i>Desi</i>	Ca_Desig_Scaffold00450	94265	(G/A)
32090	CadSNP7685	<i>Desi</i>	Ca_Desig_Scaffold00450	94358	(C/T)
32091	CadSNP7686	<i>Desi</i>	Ca_Desig_Scaffold00450	97973	(C/T)
32092	CadSNP7687	<i>Desi</i>	Ca_Desig_Scaffold00450	98008	(C/T)
32093	CadSNP7688	<i>Desi</i>	Ca_Desig_Scaffold00450	97990	(C/T)
32094	CadSNP7689	<i>Desi</i>	Ca_Desig_Scaffold00450	124388	(T/G)
32095	CadSNP7690	<i>Desi</i>	Ca_Desig_Scaffold00450	129149	(G/A)
32096	CadSNP7691	<i>Desi</i>	Ca_Desig_Scaffold00450	129143	(G/T)
32097	CadSNP7692	<i>Desi</i>	Ca_Desig_Scaffold00451	92323	(A/G)
32098	CadSNP7693	<i>Desi</i>	Ca_Desig_Scaffold00455	57553	(C/T)
32099	CadSNP7694	<i>Desi</i>	Ca_Desig_Scaffold00455	60528	(A/C)
32100	CadSNP7695	<i>Desi</i>	Ca_Desig_Scaffold00455	60541	(C/T)
32101	CadSNP7696	<i>Desi</i>	Ca_Desig_Scaffold00463	10298	(C/T)
32102	CadSNP7697	<i>Desi</i>	Ca_Desig_Scaffold00463	23002	(A/G)
32103	CadSNP7698	<i>Desi</i>	Ca_Desig_Scaffold00463	34405	(G/C)
32104	CadSNP7699	<i>Desi</i>	Ca_Desig_Scaffold00463	57798	(T/C)
32105	CadSNP7700	<i>Desi</i>	Ca_Desig_Scaffold00463	57850	(G/A)
32106	CadSNP7701	<i>Desi</i>	Ca_Desig_Scaffold00463	63202	(C/G)
32107	CadSNP7702	<i>Desi</i>	Ca_Desig_Scaffold00463	66352	(T/A)
32108	CadSNP7703	<i>Desi</i>	Ca_Desig_Scaffold00463	72141	(T/A)
32109	CadSNP7704	<i>Desi</i>	Ca_Desig_Scaffold00463	72382	(A/G)

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32110	CadSNP7705	<i>Desi</i>	Ca_Desig_Scaffold00463	72452	(A/G)
32111	CadSNP7706	<i>Desi</i>	Ca_Desig_Scaffold00463	123496	(G/A)
32112	CadSNP7707	<i>Desi</i>	Ca_Desig_Scaffold00463	123508	(C/A)
32113	CadSNP7708	<i>Desi</i>	Ca_Desig_Scaffold00463	149490	(T/C)
32114	CadSNP7709	<i>Desi</i>	Ca_Desig_Scaffold00463	149512	(T/C)
32115	CadSNP7710	<i>Desi</i>	Ca_Desig_Scaffold00463	149608	(A/G)
32116	CadSNP7711	<i>Desi</i>	Ca_Desig_Scaffold00463	149635	(A/T)
32117	CadSNP7712	<i>Desi</i>	Ca_Desig_Scaffold00463	153756	(C/T)
32118	CadSNP7713	<i>Desi</i>	Ca_Desig_Scaffold00463	153806	(A/G)
32119	CadSNP7714	<i>Desi</i>	Ca_Desig_Scaffold00463	162987	(T/C)
32120	CadSNP7715	<i>Desi</i>	Ca_Desig_Scaffold00463	162969	(C/T)
32121	CadSNP7716	<i>Desi</i>	Ca_Desig_Scaffold00467	27049	(A/C)
32122	CadSNP7717	<i>Desi</i>	Ca_Desig_Scaffold00467	27139	(A/G)
32123	CadSNP7718	<i>Desi</i>	Ca_Desig_Scaffold00467	58592	(G/A)
32124	CadSNP7719	<i>Desi</i>	Ca_Desig_Scaffold00467	78286	(A/C)
32125	CadSNP7720	<i>Desi</i>	Ca_Desig_Scaffold00467	116305	(A/T)
32126	CadSNP7721	<i>Desi</i>	Ca_Desig_Scaffold00467	131152	(T/C)
32127	CadSNP7722	<i>Desi</i>	Ca_Desig_Scaffold00467	131915	(A/C)
32128	CadSNP7723	<i>Desi</i>	Ca_Desig_Scaffold00467	131927	(G/A)
32129	CadSNP7724	<i>Desi</i>	Ca_Desig_Scaffold00467	132081	(T/C)
32130	CadSNP7725	<i>Desi</i>	Ca_Desig_Scaffold00467	143978	(T/C)
32131	CadSNP7726	<i>Desi</i>	Ca_Desig_Scaffold00467	148585	(T/C)
32132	CadSNP7727	<i>Desi</i>	Ca_Desig_Scaffold00467	148563	(T/C)
32133	CadSNP7728	<i>Desi</i>	Ca_Desig_Scaffold00467	148528	(A/G)
32134	CadSNP7729	<i>Desi</i>	Ca_Desig_Scaffold00467	148522	(T/G)
32135	CadSNP7730	<i>Desi</i>	Ca_Desig_Scaffold00469	19056	(T/G)
32136	CadSNP7731	<i>Desi</i>	Ca_Desig_Scaffold00469	19057	(G/T)
32137	CadSNP7732	<i>Desi</i>	Ca_Desig_Scaffold00469	47986	(A/G)
32138	CadSNP7733	<i>Desi</i>	Ca_Desig_Scaffold00469	47985	(C/T)
32139	CadSNP7734	<i>Desi</i>	Ca_Desig_Scaffold00469	49401	(T/A)
32140	CadSNP7735	<i>Desi</i>	Ca_Desig_Scaffold00472	129943	(T/C)
32141	CadSNP7736	<i>Desi</i>	Ca_Desig_Scaffold00472	129947	(G/T)
32142	CadSNP7737	<i>Desi</i>	Ca_Desig_Scaffold00473	13637	(G/C)
32143	CadSNP7738	<i>Desi</i>	Ca_Desig_Scaffold00473	18200	(T/C)
32144	CadSNP7739	<i>Desi</i>	Ca_Desig_Scaffold00473	54912	(A/C)
32145	CadSNP7740	<i>Desi</i>	Ca_Desig_Scaffold00473	83756	(C/G)
32146	CadSNP7741	<i>Desi</i>	Ca_Desig_Scaffold00473	100404	(C/T)
32147	CadSNP7742	<i>Desi</i>	Ca_Desig_Scaffold00473	122066	(A/G)

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32148	CadSNP7743	<i>Desi</i>	Ca_Desig_Scaffold00473	154744	(A/T)
32149	CadSNP7744	<i>Desi</i>	Ca_Desig_Scaffold00473	154737	(A/G)
32150	CadSNP7745	<i>Desi</i>	Ca_Desig_Scaffold00473	154730	(G/A)
32151	CadSNP7746	<i>Desi</i>	Ca_Desig_Scaffold00473	154729	(C/G)
32152	CadSNP7747	<i>Desi</i>	Ca_Desig_Scaffold00473	154719	(T/C)
32153	CadSNP7748	<i>Desi</i>	Ca_Desig_Scaffold00473	154718	(G/A)
32154	CadSNP7749	<i>Desi</i>	Ca_Desig_Scaffold00473	154715	(G/A)
32155	CadSNP7750	<i>Desi</i>	Ca_Desig_Scaffold00473	154685	(G/T)
32156	CadSNP7751	<i>Desi</i>	Ca_Desig_Scaffold00473	154678	(T/G)
32157	CadSNP7752	<i>Desi</i>	Ca_Desig_Scaffold00473	154670	(C/T)
32158	CadSNP7753	<i>Desi</i>	Ca_Desig_Scaffold00473	161760	(G/A)
32159	CadSNP7754	<i>Desi</i>	Ca_Desig_Scaffold00473	161709	(G/A)
32160	CadSNP7755	<i>Desi</i>	Ca_Desig_Scaffold00476	23792	(G/A)
32161	CadSNP7756	<i>Desi</i>	Ca_Desig_Scaffold00476	78038	(T/G)
32162	CadSNP7757	<i>Desi</i>	Ca_Desig_Scaffold00476	78125	(C/T)
32163	CadSNP7758	<i>Desi</i>	Ca_Desig_Scaffold00476	78104	(G/A)
32164	CadSNP7759	<i>Desi</i>	Ca_Desig_Scaffold00476	148046	(T/C)
32165	CadSNP7760	<i>Desi</i>	Ca_Desig_Scaffold00476	148232	(C/T)
32166	CadSNP7761	<i>Desi</i>	Ca_Desig_Scaffold00476	148268	(A/G)
32167	CadSNP7762	<i>Desi</i>	Ca_Desig_Scaffold00477	39708	(T/C)
32168	CadSNP7763	<i>Desi</i>	Ca_Desig_Scaffold00477	39772	(C/T)
32169	CadSNP7764	<i>Desi</i>	Ca_Desig_Scaffold00477	60222	(C/T)
32170	CadSNP7765	<i>Desi</i>	Ca_Desig_Scaffold00477	103701	(T/A)
32171	CadSNP7766	<i>Desi</i>	Ca_Desig_Scaffold00477	103690	(C/T)
32172	CadSNP7767	<i>Desi</i>	Ca_Desig_Scaffold00477	103680	(C/T)
32173	CadSNP7768	<i>Desi</i>	Ca_Desig_Scaffold00477	103677	(G/A)
32174	CadSNP7769	<i>Desi</i>	Ca_Desig_Scaffold00477	103667	(G/C)
32175	CadSNP7770	<i>Desi</i>	Ca_Desig_Scaffold00477	103658	(G/A)
32176	CadSNP7771	<i>Desi</i>	Ca_Desig_Scaffold00477	103656	(A/G)
32177	CadSNP7772	<i>Desi</i>	Ca_Desig_Scaffold00477	103651	(G/A)
32178	CadSNP7773	<i>Desi</i>	Ca_Desig_Scaffold00477	103633	(C/T)
32179	CadSNP7774	<i>Desi</i>	Ca_Desig_Scaffold00477	103630	(A/C)
32180	CadSNP7775	<i>Desi</i>	Ca_Desig_Scaffold00477	103628	(G/T)
32181	CadSNP7776	<i>Desi</i>	Ca_Desig_Scaffold00477	125365	(G/A)
32182	CadSNP7777	<i>Desi</i>	Ca_Desig_Scaffold00477	125418	(C/A)
32183	CadSNP7778	<i>Desi</i>	Ca_Desig_Scaffold00477	128425	(A/G)
32184	CadSNP7779	<i>Desi</i>	Ca_Desig_Scaffold00477	150134	(C/T)
32185	CadSNP7780	<i>Desi</i>	Ca_Desig_Scaffold00478	38801	(A/G)

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32186	CadSNP7781	<i>Desi</i>	Ca_Desig_Scaffold00478	44771	(T/A)
32187	CadSNP7782	<i>Desi</i>	Ca_Desig_Scaffold00478	44829	(G/T)
32188	CadSNP7783	<i>Desi</i>	Ca_Desig_Scaffold00478	44944	(C/T)
32189	CadSNP7784	<i>Desi</i>	Ca_Desig_Scaffold00478	46877	(A/C)
32190	CadSNP7785	<i>Desi</i>	Ca_Desig_Scaffold00478	47614	(T/C)
32191	CadSNP7786	<i>Desi</i>	Ca_Desig_Scaffold00478	63560	(A/C)
32192	CadSNP7787	<i>Desi</i>	Ca_Desig_Scaffold00478	63877	(A/G)
32193	CadSNP7788	<i>Desi</i>	Ca_Desig_Scaffold00478	63920	(A/C)
32194	CadSNP7789	<i>Desi</i>	Ca_Desig_Scaffold00480	117291	(A/G)
32195	CadSNP7790	<i>Desi</i>	Ca_Desig_Scaffold00481	19803	(C/T)
32196	CadSNP7791	<i>Desi</i>	Ca_Desig_Scaffold00481	21001	(A/T)
32197	CadSNP7792	<i>Desi</i>	Ca_Desig_Scaffold00481	29600	(G/A)
32198	CadSNP7793	<i>Desi</i>	Ca_Desig_Scaffold00481	133155	(A/G)
32199	CadSNP7794	<i>Desi</i>	Ca_Desig_Scaffold00481	133384	(G/A)
32200	CadSNP7795	<i>Desi</i>	Ca_Desig_Scaffold00481	154947	(A/G)
32201	CadSNP7796	<i>Desi</i>	Ca_Desig_Scaffold00482	218987	(T/G)
32202	CadSNP7797	<i>Desi</i>	Ca_Desig_Scaffold00482	219010	(G/A)
32203	CadSNP7798	<i>Desi</i>	Ca_Desig_Scaffold00482	219035	(A/G)
32204	CadSNP7799	<i>Desi</i>	Ca_Desig_Scaffold00482	232319	(C/G)
32205	CadSNP7800	<i>Desi</i>	Ca_Desig_Scaffold00482	232272	(C/T)
32206	CadSNP7801	<i>Desi</i>	Ca_Desig_Scaffold00482	232566	(T/C)
32207	CadSNP7802	<i>Desi</i>	Ca_Desig_Scaffold00482	232573	(G/A)
32208	CadSNP7803	<i>Desi</i>	Ca_Desig_Scaffold00482	232677	(A/T)
32209	CadSNP7804	<i>Desi</i>	Ca_Desig_Scaffold00487	1982	(T/A)
32210	CadSNP7805	<i>Desi</i>	Ca_Desig_Scaffold00487	2425	(T/A)
32211	CadSNP7806	<i>Desi</i>	Ca_Desig_Scaffold00487	2540	(T/C)
32212	CadSNP7807	<i>Desi</i>	Ca_Desig_Scaffold00487	2522	(G/A)
32213	CadSNP7808	<i>Desi</i>	Ca_Desig_Scaffold00487	2492	(A/G)
32214	CadSNP7809	<i>Desi</i>	Ca_Desig_Scaffold00487	2490	(A/C)
32215	CadSNP7810	<i>Desi</i>	Ca_Desig_Scaffold00488	64537	(T/C)
32216	CadSNP7811	<i>Desi</i>	Ca_Desig_Scaffold00488	64664	(G/T)
32217	CadSNP7812	<i>Desi</i>	Ca_Desig_Scaffold00488	138651	(A/G)
32218	CadSNP7813	<i>Desi</i>	Ca_Desig_Scaffold00488	138674	(C/G)
32219	CadSNP7814	<i>Desi</i>	Ca_Desig_Scaffold00488	146617	(G/C)
32220	CadSNP7815	<i>Desi</i>	Ca_Desig_Scaffold00488	146692	(C/A)
32221	CadSNP7816	<i>Desi</i>	Ca_Desig_Scaffold00488	146690	(A/C)
32222	CadSNP7817	<i>Desi</i>	Ca_Desig_Scaffold00488	156236	(T/C)
32223	CadSNP7818	<i>Desi</i>	Ca_Desig_Scaffold00488	156237	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32224	CadSNP7819	<i>Desi</i>	Ca_Desig_Scaffold00488	156361	(T/C)
32225	CadSNP7820	<i>Desi</i>	Ca_Desig_Scaffold00488	159699	(C/T)
32226	CadSNP7821	<i>Desi</i>	Ca_Desig_Scaffold00490	29042	(T/C)
32227	CadSNP7822	<i>Desi</i>	Ca_Desig_Scaffold00490	29852	(T/C)
32228	CadSNP7823	<i>Desi</i>	Ca_Desig_Scaffold00490	29834	(G/A)
32229	CadSNP7824	<i>Desi</i>	Ca_Desig_Scaffold00490	67908	(G/T)
32230	CadSNP7825	<i>Desi</i>	Ca_Desig_Scaffold00490	67979	(A/G)
32231	CadSNP7826	<i>Desi</i>	Ca_Desig_Scaffold00490	98916	(A/G)
32232	CadSNP7827	<i>Desi</i>	Ca_Desig_Scaffold00491	30801	(G/A)
32233	CadSNP7828	<i>Desi</i>	Ca_Desig_Scaffold00491	30810	(C/T)
32234	CadSNP7829	<i>Desi</i>	Ca_Desig_Scaffold00491	32788	(G/A)
32235	CadSNP7830	<i>Desi</i>	Ca_Desig_Scaffold00491	33981	(T/C)
32236	CadSNP7831	<i>Desi</i>	Ca_Desig_Scaffold00491	35034	(G/T)
32237	CadSNP7832	<i>Desi</i>	Ca_Desig_Scaffold00491	35112	(C/A)
32238	CadSNP7833	<i>Desi</i>	Ca_Desig_Scaffold00491	74685	(A/C)
32239	CadSNP7834	<i>Desi</i>	Ca_Desig_Scaffold00491	149446	(C/G)
32240	CadSNP7835	<i>Desi</i>	Ca_Desig_Scaffold00491	155230	(A/G)
32241	CadSNP7836	<i>Desi</i>	Ca_Desig_Scaffold00492	8659	(A/C)
32242	CadSNP7837	<i>Desi</i>	Ca_Desig_Scaffold00492	140260	(C/T)
32243	CadSNP7838	<i>Desi</i>	Ca_Desig_Scaffold00492	140253	(A/C)
32244	CadSNP7839	<i>Desi</i>	Ca_Desig_Scaffold00492	140209	(A/G)
32245	CadSNP7840	<i>Desi</i>	Ca_Desig_Scaffold00492	140187	(G/T)
32246	CadSNP7841	<i>Desi</i>	Ca_Desig_Scaffold00494	2983	(T/A)
32247	CadSNP7842	<i>Desi</i>	Ca_Desig_Scaffold00494	29970	(C/T)
32248	CadSNP7843	<i>Desi</i>	Ca_Desig_Scaffold00495	33513	(C/T)
32249	CadSNP7844	<i>Desi</i>	Ca_Desig_Scaffold00495	64941	(A/G)
32250	CadSNP7845	<i>Desi</i>	Ca_Desig_Scaffold00495	65105	(G/A)
32251	CadSNP7846	<i>Desi</i>	Ca_Desig_Scaffold00495	65173	(A/C)
32252	CadSNP7847	<i>Desi</i>	Ca_Desig_Scaffold00497	59720	(T/C)
32253	CadSNP7848	<i>Desi</i>	Ca_Desig_Scaffold00497	59700	(T/G)
32254	CadSNP7849	<i>Desi</i>	Ca_Desig_Scaffold00497	59675	(C/G)
32255	CadSNP7850	<i>Desi</i>	Ca_Desig_Scaffold00497	60119	(A/T)
32256	CadSNP7851	<i>Desi</i>	Ca_Desig_Scaffold00498	12600	(C/A)
32257	CadSNP7852	<i>Desi</i>	Ca_Desig_Scaffold00498	12786	(A/G)
32258	CadSNP7853	<i>Desi</i>	Ca_Desig_Scaffold00498	12750	(A/G)
32259	CadSNP7854	<i>Desi</i>	Ca_Desig_Scaffold00498	12733	(C/T)
32260	CadSNP7855	<i>Desi</i>	Ca_Desig_Scaffold00498	47581	(A/G)
32261	CadSNP7856	<i>Desi</i>	Ca_Desig_Scaffold00498	140273	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32262	CadSNP7857	<i>Desi</i>	Ca_Desig_Scaffold00498	140267	(G/A)
32263	CadSNP7858	<i>Desi</i>	Ca_Desig_Scaffold00498	140266	(G/A)
32264	CadSNP7859	<i>Desi</i>	Ca_Desig_Scaffold00498	140257	(T/C)
32265	CadSNP7860	<i>Desi</i>	Ca_Desig_Scaffold00498	140233	(T/G)
32266	CadSNP7861	<i>Desi</i>	Ca_Desig_Scaffold00498	140213	(A/T)
32267	CadSNP7862	<i>Desi</i>	Ca_Desig_Scaffold00498	147469	(A/G)
32268	CadSNP7863	<i>Desi</i>	Ca_Desig_Scaffold00498	147462	(A/G)
32269	CadSNP7864	<i>Desi</i>	Ca_Desig_Scaffold00500	150562	(A/C)
32270	CadSNP7865	<i>Desi</i>	Ca_Desig_Scaffold00501	138782	(A/T)
32271	CadSNP7866	<i>Desi</i>	Ca_Desig_Scaffold00502	71414	(C/A)
32272	CadSNP7867	<i>Desi</i>	Ca_Desig_Scaffold00502	89574	(C/T)
32273	CadSNP7868	<i>Desi</i>	Ca_Desig_Scaffold00505	41815	(C/A)
32274	CadSNP7869	<i>Desi</i>	Ca_Desig_Scaffold00505	41794	(T/A)
32275	CadSNP7870	<i>Desi</i>	Ca_Desig_Scaffold00505	41793	(T/A)
32276	CadSNP7871	<i>Desi</i>	Ca_Desig_Scaffold00505	41845	(G/T)
32277	CadSNP7872	<i>Desi</i>	Ca_Desig_Scaffold00505	65086	(G/T)
32278	CadSNP7873	<i>Desi</i>	Ca_Desig_Scaffold00505	65085	(G/C)
32279	CadSNP7874	<i>Desi</i>	Ca_Desig_Scaffold00505	134420	(T/G)
32280	CadSNP7875	<i>Desi</i>	Ca_Desig_Scaffold00509	12278	(C/T)
32281	CadSNP7876	<i>Desi</i>	Ca_Desig_Scaffold00509	12428	(T/A)
32282	CadSNP7877	<i>Desi</i>	Ca_Desig_Scaffold00509	60177	(T/C)
32283	CadSNP7878	<i>Desi</i>	Ca_Desig_Scaffold00509	60183	(A/C)
32284	CadSNP7879	<i>Desi</i>	Ca_Desig_Scaffold00509	82010	(A/C)
32285	CadSNP7880	<i>Desi</i>	Ca_Desig_Scaffold00509	82804	(G/C)
32286	CadSNP7881	<i>Desi</i>	Ca_Desig_Scaffold00509	82988	(G/T)
32287	CadSNP7882	<i>Desi</i>	Ca_Desig_Scaffold00509	82966	(T/C)
32288	CadSNP7883	<i>Desi</i>	Ca_Desig_Scaffold00509	82944	(T/C)
32289	CadSNP7884	<i>Desi</i>	Ca_Desig_Scaffold00509	82918	(C/T)
32290	CadSNP7885	<i>Desi</i>	Ca_Desig_Scaffold00509	83132	(C/T)
32291	CadSNP7886	<i>Desi</i>	Ca_Desig_Scaffold00509	83115	(C/A)
32292	CadSNP7887	<i>Desi</i>	Ca_Desig_Scaffold00509	83114	(G/A)
32293	CadSNP7888	<i>Desi</i>	Ca_Desig_Scaffold00509	83072	(G/A)
32294	CadSNP7889	<i>Desi</i>	Ca_Desig_Scaffold00509	99770	(T/C)
32295	CadSNP7890	<i>Desi</i>	Ca_Desig_Scaffold00509	99778	(T/C)
32296	CadSNP7891	<i>Desi</i>	Ca_Desig_Scaffold00510	19740	(T/C)
32297	CadSNP7892	<i>Desi</i>	Ca_Desig_Scaffold00510	147592	(T/A)
32298	CadSNP7893	<i>Desi</i>	Ca_Desig_Scaffold00514	179145	(T/C)
32299	CadSNP7894	<i>Desi</i>	Ca_Desig_Scaffold00514	179343	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32300	CadSNP7895	<i>Desi</i>	Ca_Desig_Scaffold00514	195469	(C/T)
32301	CadSNP7896	<i>Desi</i>	Ca_Desig_Scaffold00514	206722	(T/C)
32302	CadSNP7897	<i>Desi</i>	Ca_Desig_Scaffold00514	206826	(T/C)
32303	CadSNP7898	<i>Desi</i>	Ca_Desig_Scaffold00514	208600	(G/A)
32304	CadSNP7899	<i>Desi</i>	Ca_Desig_Scaffold00514	232024	(C/G)
32305	CadSNP7900	<i>Desi</i>	Ca_Desig_Scaffold00514	284523	(A/T)
32306	CadSNP7901	<i>Desi</i>	Ca_Desig_Scaffold00515	76618	(A/C)
32307	CadSNP7902	<i>Desi</i>	Ca_Desig_Scaffold00515	80348	(C/T)
32308	CadSNP7903	<i>Desi</i>	Ca_Desig_Scaffold00515	134200	(C/T)
32309	CadSNP7904	<i>Desi</i>	Ca_Desig_Scaffold00518	51818	(A/T)
32310	CadSNP7905	<i>Desi</i>	Ca_Desig_Scaffold00518	51820	(T/A)
32311	CadSNP7906	<i>Desi</i>	Ca_Desig_Scaffold00518	51835	(T/A)
32312	CadSNP7907	<i>Desi</i>	Ca_Desig_Scaffold00518	51837	(A/T)
32313	CadSNP7908	<i>Desi</i>	Ca_Desig_Scaffold00518	51840	(G/T)
32314	CadSNP7909	<i>Desi</i>	Ca_Desig_Scaffold00518	51848	(A/T)
32315	CadSNP7910	<i>Desi</i>	Ca_Desig_Scaffold00518	56760	(G/A)
32316	CadSNP7911	<i>Desi</i>	Ca_Desig_Scaffold00518	68905	(T/G)
32317	CadSNP7912	<i>Desi</i>	Ca_Desig_Scaffold00518	68959	(T/A)
32318	CadSNP7913	<i>Desi</i>	Ca_Desig_Scaffold00518	69001	(G/A)
32319	CadSNP7914	<i>Desi</i>	Ca_Desig_Scaffold00518	68986	(T/C)
32320	CadSNP7915	<i>Desi</i>	Ca_Desig_Scaffold00518	68976	(T/G)
32321	CadSNP7916	<i>Desi</i>	Ca_Desig_Scaffold00518	68974	(T/A)
32322	CadSNP7917	<i>Desi</i>	Ca_Desig_Scaffold00518	68947	(A/G)
32323	CadSNP7918	<i>Desi</i>	Ca_Desig_Scaffold00518	68923	(A/G)
32324	CadSNP7919	<i>Desi</i>	Ca_Desig_Scaffold00518	123875	(G/A)
32325	CadSNP7920	<i>Desi</i>	Ca_Desig_Scaffold00519	113703	(A/C)
32326	CadSNP7921	<i>Desi</i>	Ca_Desig_Scaffold00519	114593	(C/T)
32327	CadSNP7922	<i>Desi</i>	Ca_Desig_Scaffold00520	121826	(C/A)
32328	CadSNP7923	<i>Desi</i>	Ca_Desig_Scaffold00520	121863	(G/C)
32329	CadSNP7924	<i>Desi</i>	Ca_Desig_Scaffold00520	121868	(G/A)
32330	CadSNP7925	<i>Desi</i>	Ca_Desig_Scaffold00520	121871	(C/T)
32331	CadSNP7926	<i>Desi</i>	Ca_Desig_Scaffold00520	121892	(C/T)
32332	CadSNP7927	<i>Desi</i>	Ca_Desig_Scaffold00520	132521	(C/T)
32333	CadSNP7928	<i>Desi</i>	Ca_Desig_Scaffold00521	59239	(G/A)
32334	CadSNP7929	<i>Desi</i>	Ca_Desig_Scaffold00521	67041	(C/T)
32335	CadSNP7930	<i>Desi</i>	Ca_Desig_Scaffold00522	1339	(A/T)
32336	CadSNP7931	<i>Desi</i>	Ca_Desig_Scaffold00522	1828	(G/A)
32337	CadSNP7932	<i>Desi</i>	Ca_Desig_Scaffold00522	1753	(A/C)

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32338	CadSNP7933	<i>Desi</i>	Ca_Desig_Scaffold00522	1870	(A/G)
32339	CadSNP7934	<i>Desi</i>	Ca_Desig_Scaffold00522	1955	(C/A)
32340	CadSNP7935	<i>Desi</i>	Ca_Desig_Scaffold00522	1954	(A/C)
32341	CadSNP7936	<i>Desi</i>	Ca_Desig_Scaffold00522	1948	(A/C)
32342	CadSNP7937	<i>Desi</i>	Ca_Desig_Scaffold00522	1947	(A/T)
32343	CadSNP7938	<i>Desi</i>	Ca_Desig_Scaffold00522	1946	(T/A)
32344	CadSNP7939	<i>Desi</i>	Ca_Desig_Scaffold00522	1939	(A/C)
32345	CadSNP7940	<i>Desi</i>	Ca_Desig_Scaffold00522	1932	(A/C)
32346	CadSNP7941	<i>Desi</i>	Ca_Desig_Scaffold00522	1911	(T/C)
32347	CadSNP7942	<i>Desi</i>	Ca_Desig_Scaffold00522	1904	(G/A)
32348	CadSNP7943	<i>Desi</i>	Ca_Desig_Scaffold00522	2007	(A/C)
32349	CadSNP7944	<i>Desi</i>	Ca_Desig_Scaffold00522	2016	(A/C)
32350	CadSNP7945	<i>Desi</i>	Ca_Desig_Scaffold00522	25634	(G/T)
32351	CadSNP7946	<i>Desi</i>	Ca_Desig_Scaffold00522	26143	(C/A)
32352	CadSNP7947	<i>Desi</i>	Ca_Desig_Scaffold00522	26113	(C/T)
32353	CadSNP7948	<i>Desi</i>	Ca_Desig_Scaffold00522	26290	(C/T)
32354	CadSNP7949	<i>Desi</i>	Ca_Desig_Scaffold00522	49205	(A/T)
32355	CadSNP7950	<i>Desi</i>	Ca_Desig_Scaffold00522	49226	(T/G)
32356	CadSNP7951	<i>Desi</i>	Ca_Desig_Scaffold00522	49227	(G/T)
32357	CadSNP7952	<i>Desi</i>	Ca_Desig_Scaffold00522	49232	(A/G)
32358	CadSNP7953	<i>Desi</i>	Ca_Desig_Scaffold00522	49233	(T/A)
32359	CadSNP7954	<i>Desi</i>	Ca_Desig_Scaffold00522	49236	(G/A)
32360	CadSNP7955	<i>Desi</i>	Ca_Desig_Scaffold00522	49237	(T/G)
32361	CadSNP7956	<i>Desi</i>	Ca_Desig_Scaffold00522	49248	(C/T)
32362	CadSNP7957	<i>Desi</i>	Ca_Desig_Scaffold00522	49259	(C/A)
32363	CadSNP7958	<i>Desi</i>	Ca_Desig_Scaffold00522	49279	(C/T)
32364	CadSNP7959	<i>Desi</i>	Ca_Desig_Scaffold00522	49334	(G/A)
32365	CadSNP7960	<i>Desi</i>	Ca_Desig_Scaffold00522	49309	(G/T)
32366	CadSNP7961	<i>Desi</i>	Ca_Desig_Scaffold00522	49294	(G/T)
32367	CadSNP7962	<i>Desi</i>	Ca_Desig_Scaffold00522	50463	(C/G)
32368	CadSNP7963	<i>Desi</i>	Ca_Desig_Scaffold00522	50452	(C/T)
32369	CadSNP7964	<i>Desi</i>	Ca_Desig_Scaffold00522	52216	(A/G)
32370	CadSNP7965	<i>Desi</i>	Ca_Desig_Scaffold00522	53225	(G/C)
32371	CadSNP7966	<i>Desi</i>	Ca_Desig_Scaffold00522	53230	(T/G)
32372	CadSNP7967	<i>Desi</i>	Ca_Desig_Scaffold00522	53234	(A/G)
32373	CadSNP7968	<i>Desi</i>	Ca_Desig_Scaffold00522	53240	(A/G)
32374	CadSNP7969	<i>Desi</i>	Ca_Desig_Scaffold00522	53242	(T/G)
32375	CadSNP7970	<i>Desi</i>	Ca_Desig_Scaffold00522	53244	(T/C)

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32376	CadSNP7971	<i>Desi</i>	Ca_Desig_Scaffold00522	53246	(G/A)
32377	CadSNP7972	<i>Desi</i>	Ca_Desig_Scaffold00522	53252	(A/G)
32378	CadSNP7973	<i>Desi</i>	Ca_Desig_Scaffold00522	53288	(G/A)
32379	CadSNP7974	<i>Desi</i>	Ca_Desig_Scaffold00522	53431	(G/C)
32380	CadSNP7975	<i>Desi</i>	Ca_Desig_Scaffold00522	53409	(G/C)
32381	CadSNP7976	<i>Desi</i>	Ca_Desig_Scaffold00522	53405	(G/C)
32382	CadSNP7977	<i>Desi</i>	Ca_Desig_Scaffold00522	73684	(G/A)
32383	CadSNP7978	<i>Desi</i>	Ca_Desig_Scaffold00522	73696	(T/G)
32384	CadSNP7979	<i>Desi</i>	Ca_Desig_Scaffold00522	73701	(A/G)
32385	CadSNP7980	<i>Desi</i>	Ca_Desig_Scaffold00522	73714	(T/G)
32386	CadSNP7981	<i>Desi</i>	Ca_Desig_Scaffold00522	73716	(A/G)
32387	CadSNP7982	<i>Desi</i>	Ca_Desig_Scaffold00522	73720	(A/T)
32388	CadSNP7983	<i>Desi</i>	Ca_Desig_Scaffold00522	102150	(T/A)
32389	CadSNP7984	<i>Desi</i>	Ca_Desig_Scaffold00522	102142	(A/T)
32390	CadSNP7985	<i>Desi</i>	Ca_Desig_Scaffold00522	102118	(A/T)
32391	CadSNP7986	<i>Desi</i>	Ca_Desig_Scaffold00522	102222	(G/C)
32392	CadSNP7987	<i>Desi</i>	Ca_Desig_Scaffold00522	102227	(T/C)
32393	CadSNP7988	<i>Desi</i>	Ca_Desig_Scaffold00522	102231	(C/T)
32394	CadSNP7989	<i>Desi</i>	Ca_Desig_Scaffold00522	102238	(T/A)
32395	CadSNP7990	<i>Desi</i>	Ca_Desig_Scaffold00522	102239	(A/C)
32396	CadSNP7991	<i>Desi</i>	Ca_Desig_Scaffold00522	103281	(T/C)
32397	CadSNP7992	<i>Desi</i>	Ca_Desig_Scaffold00522	103284	(G/A)
32398	CadSNP7993	<i>Desi</i>	Ca_Desig_Scaffold00522	103291	(C/A)
32399	CadSNP7994	<i>Desi</i>	Ca_Desig_Scaffold00522	103292	(G/A)
32400	CadSNP7995	<i>Desi</i>	Ca_Desig_Scaffold00522	103302	(C/T)
32401	CadSNP7996	<i>Desi</i>	Ca_Desig_Scaffold00522	105154	(A/C)
32402	CadSNP7997	<i>Desi</i>	Ca_Desig_Scaffold00522	105163	(G/T)
32403	CadSNP7998	<i>Desi</i>	Ca_Desig_Scaffold00522	105171	(T/G)
32404	CadSNP7999	<i>Desi</i>	Ca_Desig_Scaffold00522	105144	(C/T)
32405	CadSNP8000	<i>Desi</i>	Ca_Desig_Scaffold00522	105172	(A/C)
32406	CadSNP8001	<i>Desi</i>	Ca_Desig_Scaffold00522	105182	(A/G)
32407	CadSNP8002	<i>Desi</i>	Ca_Desig_Scaffold00522	105202	(C/T)
32408	CadSNP8003	<i>Desi</i>	Ca_Desig_Scaffold00522	105324	(A/T)
32409	CadSNP8004	<i>Desi</i>	Ca_Desig_Scaffold00522	105312	(C/T)
32410	CadSNP8005	<i>Desi</i>	Ca_Desig_Scaffold00522	105310	(G/A)
32411	CadSNP8006	<i>Desi</i>	Ca_Desig_Scaffold00522	105308	(A/C)
32412	CadSNP8007	<i>Desi</i>	Ca_Desig_Scaffold00522	105302	(A/T)
32413	CadSNP8008	<i>Desi</i>	Ca_Desig_Scaffold00522	105301	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32414	CadSNP8009	<i>Desi</i>	Ca_Desig_Scaffold00522	105297	(T/A)
32415	CadSNP8010	<i>Desi</i>	Ca_Desig_Scaffold00522	105296	(G/T)
32416	CadSNP8011	<i>Desi</i>	Ca_Desig_Scaffold00522	105278	(C/T)
32417	CadSNP8012	<i>Desi</i>	Ca_Desig_Scaffold00522	105273	(A/G)
32418	CadSNP8013	<i>Desi</i>	Ca_Desig_Scaffold00522	105271	(T/C)
32419	CadSNP8014	<i>Desi</i>	Ca_Desig_Scaffold00522	105652	(T/C)
32420	CadSNP8015	<i>Desi</i>	Ca_Desig_Scaffold00522	105654	(C/T)
32421	CadSNP8016	<i>Desi</i>	Ca_Desig_Scaffold00522	105677	(T/G)
32422	CadSNP8017	<i>Desi</i>	Ca_Desig_Scaffold00522	105694	(C/A)
32423	CadSNP8018	<i>Desi</i>	Ca_Desig_Scaffold00522	115530	(C/G)
32424	CadSNP8019	<i>Desi</i>	Ca_Desig_Scaffold00522	115535	(T/G)
32425	CadSNP8020	<i>Desi</i>	Ca_Desig_Scaffold00522	115550	(G/T)
32426	CadSNP8021	<i>Desi</i>	Ca_Desig_Scaffold00522	115563	(G/A)
32427	CadSNP8022	<i>Desi</i>	Ca_Desig_Scaffold00536	22630	(A/G)
32428	CadSNP8023	<i>Desi</i>	Ca_Desig_Scaffold00536	22679	(A/T)
32429	CadSNP8024	<i>Desi</i>	Ca_Desig_Scaffold00536	22703	(C/T)
32430	CadSNP8025	<i>Desi</i>	Ca_Desig_Scaffold00536	63236	(G/C)
32431	CadSNP8026	<i>Desi</i>	Ca_Desig_Scaffold00538	5026	(T/G)
32432	CadSNP8027	<i>Desi</i>	Ca_Desig_Scaffold00538	96723	(G/A)
32433	CadSNP8028	<i>Desi</i>	Ca_Desig_Scaffold00538	99169	(G/A)
32434	CadSNP8029	<i>Desi</i>	Ca_Desig_Scaffold00538	99174	(T/C)
32435	CadSNP8030	<i>Desi</i>	Ca_Desig_Scaffold00538	99203	(A/T)
32436	CadSNP8031	<i>Desi</i>	Ca_Desig_Scaffold00538	99209	(T/C)
32437	CadSNP8032	<i>Desi</i>	Ca_Desig_Scaffold00538	99219	(C/T)
32438	CadSNP8033	<i>Desi</i>	Ca_Desig_Scaffold00538	99223	(C/A)
32439	CadSNP8034	<i>Desi</i>	Ca_Desig_Scaffold00538	99227	(C/A)
32440	CadSNP8035	<i>Desi</i>	Ca_Desig_Scaffold00538	99230	(C/A)
32441	CadSNP8036	<i>Desi</i>	Ca_Desig_Scaffold00538	99238	(A/G)
32442	CadSNP8037	<i>Desi</i>	Ca_Desig_Scaffold00538	99242	(T/G)
32443	CadSNP8038	<i>Desi</i>	Ca_Desig_Scaffold00538	99245	(T/C)
32444	CadSNP8039	<i>Desi</i>	Ca_Desig_Scaffold00538	99252	(C/T)
32445	CadSNP8040	<i>Desi</i>	Ca_Desig_Scaffold00538	99254	(T/A)
32446	CadSNP8041	<i>Desi</i>	Ca_Desig_Scaffold00539	39144	(T/G)
32447	CadSNP8042	<i>Desi</i>	Ca_Desig_Scaffold00539	39150	(T/G)
32448	CadSNP8043	<i>Desi</i>	Ca_Desig_Scaffold00539	137472	(A/G)
32449	CadSNP8044	<i>Desi</i>	Ca_Desig_Scaffold00539	137598	(A/G)
32450	CadSNP8045	<i>Desi</i>	Ca_Desig_Scaffold00539	137693	(C/A)
32451	CadSNP8046	<i>Desi</i>	Ca_Desig_Scaffold00541	97535	(G/A)

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32452	CadSNP8047	<i>Desi</i>	Ca_Desig_Scaffold00541	98222	(A/G)
32453	CadSNP8048	<i>Desi</i>	Ca_Desig_Scaffold00541	111286	(T/G)
32454	CadSNP8049	<i>Desi</i>	Ca_Desig_Scaffold00541	117425	(G/T)
32455	CadSNP8050	<i>Desi</i>	Ca_Desig_Scaffold00541	117615	(A/C)
32456	CadSNP8051	<i>Desi</i>	Ca_Desig_Scaffold00541	119744	(A/C)
32457	CadSNP8052	<i>Desi</i>	Ca_Desig_Scaffold00541	119782	(T/G)
32458	CadSNP8053	<i>Desi</i>	Ca_Desig_Scaffold00541	119808	(G/A)
32459	CadSNP8054	<i>Desi</i>	Ca_Desig_Scaffold00541	119780	(G/A)
32460	CadSNP8055	<i>Desi</i>	Ca_Desig_Scaffold00544	1653	(T/G)
32461	CadSNP8056	<i>Desi</i>	Ca_Desig_Scaffold00544	1634	(G/C)
32462	CadSNP8057	<i>Desi</i>	Ca_Desig_Scaffold00544	24331	(G/A)
32463	CadSNP8058	<i>Desi</i>	Ca_Desig_Scaffold00544	54797	(C/T)
32464	CadSNP8059	<i>Desi</i>	Ca_Desig_Scaffold00544	93393	(T/C)
32465	CadSNP8060	<i>Desi</i>	Ca_Desig_Scaffold00544	141217	(G/A)
32466	CadSNP8061	<i>Desi</i>	Ca_Desig_Scaffold00549	12425	(C/G)
32467	CadSNP8062	<i>Desi</i>	Ca_Desig_Scaffold00549	74132	(T/A)
32468	CadSNP8063	<i>Desi</i>	Ca_Desig_Scaffold00549	110953	(A/C)
32469	CadSNP8064	<i>Desi</i>	Ca_Desig_Scaffold00549	114481	(T/G)
32470	CadSNP8065	<i>Desi</i>	Ca_Desig_Scaffold00551	11298	(G/C)
32471	CadSNP8066	<i>Desi</i>	Ca_Desig_Scaffold00551	30709	(C/G)
32472	CadSNP8067	<i>Desi</i>	Ca_Desig_Scaffold00551	114290	(A/G)
32473	CadSNP8068	<i>Desi</i>	Ca_Desig_Scaffold00553	105049	(A/G)
32474	CadSNP8069	<i>Desi</i>	Ca_Desig_Scaffold00553	105067	(A/G)
32475	CadSNP8070	<i>Desi</i>	Ca_Desig_Scaffold00553	107497	(C/T)
32476	CadSNP8071	<i>Desi</i>	Ca_Desig_Scaffold00553	107552	(T/C)
32477	CadSNP8072	<i>Desi</i>	Ca_Desig_Scaffold00553	138943	(A/G)
32478	CadSNP8073	<i>Desi</i>	Ca_Desig_Scaffold00553	139126	(A/C)
32479	CadSNP8074	<i>Desi</i>	Ca_Desig_Scaffold00555	37431	(G/A)
32480	CadSNP8075	<i>Desi</i>	Ca_Desig_Scaffold00555	37433	(C/T)
32481	CadSNP8076	<i>Desi</i>	Ca_Desig_Scaffold00555	37482	(G/T)
32482	CadSNP8077	<i>Desi</i>	Ca_Desig_Scaffold00555	61536	(C/T)
32483	CadSNP8078	<i>Desi</i>	Ca_Desig_Scaffold00557	58386	(C/T)
32484	CadSNP8079	<i>Desi</i>	Ca_Desig_Scaffold00557	58634	(G/A)
32485	CadSNP8080	<i>Desi</i>	Ca_Desig_Scaffold00557	58678	(G/T)
32486	CadSNP8081	<i>Desi</i>	Ca_Desig_Scaffold00557	82422	(T/C)
32487	CadSNP8082	<i>Desi</i>	Ca_Desig_Scaffold00557	82428	(T/A)
32488	CadSNP8083	<i>Desi</i>	Ca_Desig_Scaffold00557	82473	(A/G)
32489	CadSNP8084	<i>Desi</i>	Ca_Desig_Scaffold00557	82475	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32490	CadSNP8085	<i>Desi</i>	Ca_Desig_Scaffold00557	82488	(A/G)
32491	CadSNP8086	<i>Desi</i>	Ca_Desig_Scaffold00557	82490	(C/G)
32492	CadSNP8087	<i>Desi</i>	Ca_Desig_Scaffold00557	90853	(T/A)
32493	CadSNP8088	<i>Desi</i>	Ca_Desig_Scaffold00557	135532	(G/C)
32494	CadSNP8089	<i>Desi</i>	Ca_Desig_Scaffold00558	107886	(C/A)
32495	CadSNP8090	<i>Desi</i>	Ca_Desig_Scaffold00558	107924	(A/T)
32496	CadSNP8091	<i>Desi</i>	Ca_Desig_Scaffold00558	108043	(A/G)
32497	CadSNP8092	<i>Desi</i>	Ca_Desig_Scaffold00558	121479	(G/A)
32498	CadSNP8093	<i>Desi</i>	Ca_Desig_Scaffold00558	147385	(A/C)
32499	CadSNP8094	<i>Desi</i>	Ca_Desig_Scaffold00559	70876	(T/G)
32500	CadSNP8095	<i>Desi</i>	Ca_Desig_Scaffold00559	70848	(A/G)
32501	CadSNP8096	<i>Desi</i>	Ca_Desig_Scaffold00559	70841	(C/A)
32502	CadSNP8097	<i>Desi</i>	Ca_Desig_Scaffold00559	70836	(C/G)
32503	CadSNP8098	<i>Desi</i>	Ca_Desig_Scaffold00559	70822	(G/A)
32504	CadSNP8099	<i>Desi</i>	Ca_Desig_Scaffold00559	70801	(C/T)
32505	CadSNP8100	<i>Desi</i>	Ca_Desig_Scaffold00568	37349	(T/C)
32506	CadSNP8101	<i>Desi</i>	Ca_Desig_Scaffold00568	37391	(G/T)
32507	CadSNP8102	<i>Desi</i>	Ca_Desig_Scaffold00568	37399	(A/T)
32508	CadSNP8103	<i>Desi</i>	Ca_Desig_Scaffold00568	39818	(C/A)
32509	CadSNP8104	<i>Desi</i>	Ca_Desig_Scaffold00568	39820	(G/A)
32510	CadSNP8105	<i>Desi</i>	Ca_Desig_Scaffold00568	39895	(C/T)
32511	CadSNP8106	<i>Desi</i>	Ca_Desig_Scaffold00568	74856	(C/T)
32512	CadSNP8107	<i>Desi</i>	Ca_Desig_Scaffold00568	75197	(G/A)
32513	CadSNP8108	<i>Desi</i>	Ca_Desig_Scaffold00568	75372	(A/T)
32514	CadSNP8109	<i>Desi</i>	Ca_Desig_Scaffold00568	125818	(T/G)
32515	CadSNP8110	<i>Desi</i>	Ca_Desig_Scaffold00576	107492	(T/G)
32516	CadSNP8111	<i>Desi</i>	Ca_Desig_Scaffold00576	107481	(G/T)
32517	CadSNP8112	<i>Desi</i>	Ca_Desig_Scaffold00579	29889	(A/C)
32518	CadSNP8113	<i>Desi</i>	Ca_Desig_Scaffold00579	29891	(G/A)
32519	CadSNP8114	<i>Desi</i>	Ca_Desig_Scaffold00580	36985	(T/C)
32520	CadSNP8115	<i>Desi</i>	Ca_Desig_Scaffold00580	36982	(T/C)
32521	CadSNP8116	<i>Desi</i>	Ca_Desig_Scaffold00580	36979	(A/T)
32522	CadSNP8117	<i>Desi</i>	Ca_Desig_Scaffold00580	36940	(A/T)
32523	CadSNP8118	<i>Desi</i>	Ca_Desig_Scaffold00580	36928	(G/A)
32524	CadSNP8119	<i>Desi</i>	Ca_Desig_Scaffold00580	36926	(T/C)
32525	CadSNP8120	<i>Desi</i>	Ca_Desig_Scaffold00580	36913	(C/A)
32526	CadSNP8121	<i>Desi</i>	Ca_Desig_Scaffold00580	36910	(A/T)
32527	CadSNP8122	<i>Desi</i>	Ca_Desig_Scaffold00580	36904	(C/A)

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32528	CadSNP8123	<i>Desi</i>	Ca_Desig_Scaffold00580	40447	(A/T)
32529	CadSNP8124	<i>Desi</i>	Ca_Desig_Scaffold00580	40456	(C/T)
32530	CadSNP8125	<i>Desi</i>	Ca_Desig_Scaffold00580	40468	(A/G)
32531	CadSNP8126	<i>Desi</i>	Ca_Desig_Scaffold00580	40474	(C/T)
32532	CadSNP8127	<i>Desi</i>	Ca_Desig_Scaffold00580	40483	(A/T)
32533	CadSNP8128	<i>Desi</i>	Ca_Desig_Scaffold00580	40519	(T/G)
32534	CadSNP8129	<i>Desi</i>	Ca_Desig_Scaffold00580	57089	(A/G)
32535	CadSNP8130	<i>Desi</i>	Ca_Desig_Scaffold00580	68128	(C/T)
32536	CadSNP8131	<i>Desi</i>	Ca_Desig_Scaffold00581	23360	(C/T)
32537	CadSNP8132	<i>Desi</i>	Ca_Desig_Scaffold00581	35686	(A/G)
32538	CadSNP8133	<i>Desi</i>	Ca_Desig_Scaffold00581	36301	(A/C)
32539	CadSNP8134	<i>Desi</i>	Ca_Desig_Scaffold00581	36306	(G/C)
32540	CadSNP8135	<i>Desi</i>	Ca_Desig_Scaffold00581	36337	(A/G)
32541	CadSNP8136	<i>Desi</i>	Ca_Desig_Scaffold00582	8158	(T/C)
32542	CadSNP8137	<i>Desi</i>	Ca_Desig_Scaffold00582	8101	(A/G)
32543	CadSNP8138	<i>Desi</i>	Ca_Desig_Scaffold00583	7595	(G/A)
32544	CadSNP8139	<i>Desi</i>	Ca_Desig_Scaffold00583	7628	(A/C)
32545	CadSNP8140	<i>Desi</i>	Ca_Desig_Scaffold00583	7631	(A/T)
32546	CadSNP8141	<i>Desi</i>	Ca_Desig_Scaffold00583	43288	(A/T)
32547	CadSNP8142	<i>Desi</i>	Ca_Desig_Scaffold00583	68709	(A/C)
32548	CadSNP8143	<i>Desi</i>	Ca_Desig_Scaffold00585	39549	(C/A)
32549	CadSNP8144	<i>Desi</i>	Ca_Desig_Scaffold00592	16074	(A/T)
32550	CadSNP8145	<i>Desi</i>	Ca_Desig_Scaffold00592	16091	(C/G)
32551	CadSNP8146	<i>Desi</i>	Ca_Desig_Scaffold00592	17477	(G/C)
32552	CadSNP8147	<i>Desi</i>	Ca_Desig_Scaffold00592	28156	(C/A)
32553	CadSNP8148	<i>Desi</i>	Ca_Desig_Scaffold00592	34272	(C/T)
32554	CadSNP8149	<i>Desi</i>	Ca_Desig_Scaffold00592	128281	(A/G)
32555	CadSNP8150	<i>Desi</i>	Ca_Desig_Scaffold00598	30951	(T/G)
32556	CadSNP8151	<i>Desi</i>	Ca_Desig_Scaffold00601	5841	(G/T)
32557	CadSNP8152	<i>Desi</i>	Ca_Desig_Scaffold00601	5842	(T/C)
32558	CadSNP8153	<i>Desi</i>	Ca_Desig_Scaffold00601	12115	(T/C)
32559	CadSNP8154	<i>Desi</i>	Ca_Desig_Scaffold00601	33550	(T/A)
32560	CadSNP8155	<i>Desi</i>	Ca_Desig_Scaffold00601	43345	(A/T)
32561	CadSNP8156	<i>Desi</i>	Ca_Desig_Scaffold00601	100281	(G/A)
32562	CadSNP8157	<i>Desi</i>	Ca_Desig_Scaffold00603	11189	(A/C)
32563	CadSNP8158	<i>Desi</i>	Ca_Desig_Scaffold00603	11225	(G/T)
32564	CadSNP8159	<i>Desi</i>	Ca_Desig_Scaffold00603	15608	(G/A)
32565	CadSNP8160	<i>Desi</i>	Ca_Desig_Scaffold00603	15627	(C/A)

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32566	CadSNP8161	<i>Desi</i>	Ca_Desig_Scaffold00603	22552	(C/A)
32567	CadSNP8162	<i>Desi</i>	Ca_Desig_Scaffold00603	77537	(A/G)
32568	CadSNP8163	<i>Desi</i>	Ca_Desig_Scaffold00603	78070	(C/T)
32569	CadSNP8164	<i>Desi</i>	Ca_Desig_Scaffold00603	78066	(G/T)
32570	CadSNP8165	<i>Desi</i>	Ca_Desig_Scaffold00603	112193	(G/T)
32571	CadSNP8166	<i>Desi</i>	Ca_Desig_Scaffold00603	112265	(C/G)
32572	CadSNP8167	<i>Desi</i>	Ca_Desig_Scaffold00604	46338	(G/A)
32573	CadSNP8168	<i>Desi</i>	Ca_Desig_Scaffold00604	68880	(C/T)
32574	CadSNP8169	<i>Desi</i>	Ca_Desig_Scaffold00604	68908	(G/A)
32575	CadSNP8170	<i>Desi</i>	Ca_Desig_Scaffold00604	68936	(A/G)
32576	CadSNP8171	<i>Desi</i>	Ca_Desig_Scaffold00604	82361	(A/C)
32577	CadSNP8172	<i>Desi</i>	Ca_Desig_Scaffold00604	95938	(G/A)
32578	CadSNP8173	<i>Desi</i>	Ca_Desig_Scaffold00604	96267	(T/C)
32579	CadSNP8174	<i>Desi</i>	Ca_Desig_Scaffold00606	59252	(T/C)
32580	CadSNP8175	<i>Desi</i>	Ca_Desig_Scaffold00606	99622	(T/G)
32581	CadSNP8176	<i>Desi</i>	Ca_Desig_Scaffold00606	132197	(A/T)
32582	CadSNP8177	<i>Desi</i>	Ca_Desig_Scaffold00607	52935	(A/C)
32583	CadSNP8178	<i>Desi</i>	Ca_Desig_Scaffold00607	79230	(C/T)
32584	CadSNP8179	<i>Desi</i>	Ca_Desig_Scaffold00607	79729	(C/A)
32585	CadSNP8180	<i>Desi</i>	Ca_Desig_Scaffold00608	112893	(C/T)
32586	CadSNP8181	<i>Desi</i>	Ca_Desig_Scaffold00608	116398	(A/G)
32587	CadSNP8182	<i>Desi</i>	Ca_Desig_Scaffold00609	90321	(G/A)
32588	CadSNP8183	<i>Desi</i>	Ca_Desig_Scaffold00609	98741	(G/A)
32589	CadSNP8184	<i>Desi</i>	Ca_Desig_Scaffold00609	98739	(A/T)
32590	CadSNP8185	<i>Desi</i>	Ca_Desig_Scaffold00609	98751	(T/G)
32591	CadSNP8186	<i>Desi</i>	Ca_Desig_Scaffold00609	107480	(A/C)
32592	CadSNP8187	<i>Desi</i>	Ca_Desig_Scaffold00609	107643	(A/T)
32593	CadSNP8188	<i>Desi</i>	Ca_Desig_Scaffold00609	107682	(A/C)
32594	CadSNP8189	<i>Desi</i>	Ca_Desig_Scaffold00609	108878	(T/C)
32595	CadSNP8190	<i>Desi</i>	Ca_Desig_Scaffold00609	108869	(A/T)
32596	CadSNP8191	<i>Desi</i>	Ca_Desig_Scaffold00609	108864	(G/A)
32597	CadSNP8192	<i>Desi</i>	Ca_Desig_Scaffold00609	108863	(A/C)
32598	CadSNP8193	<i>Desi</i>	Ca_Desig_Scaffold00609	108862	(T/C)
32599	CadSNP8194	<i>Desi</i>	Ca_Desig_Scaffold00609	108859	(T/C)
32600	CadSNP8195	<i>Desi</i>	Ca_Desig_Scaffold00609	108857	(A/G)
32601	CadSNP8196	<i>Desi</i>	Ca_Desig_Scaffold00609	108847	(T/G)
32602	CadSNP8197	<i>Desi</i>	Ca_Desig_Scaffold00609	108840	(G/A)
32603	CadSNP8198	<i>Desi</i>	Ca_Desig_Scaffold00609	108817	(A/C)

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32604	CadSNP8199	<i>Desi</i>	Ca_Desig_Scaffold00609	108815	(A/G)
32605	CadSNP8200	<i>Desi</i>	Ca_Desig_Scaffold00609	108803	(A/G)
32606	CadSNP8201	<i>Desi</i>	Ca_Desig_Scaffold00609	108926	(T/C)
32607	CadSNP8202	<i>Desi</i>	Ca_Desig_Scaffold00609	109153	(T/C)
32608	CadSNP8203	<i>Desi</i>	Ca_Desig_Scaffold00609	109207	(A/T)
32609	CadSNP8204	<i>Desi</i>	Ca_Desig_Scaffold00609	111691	(C/G)
32610	CadSNP8205	<i>Desi</i>	Ca_Desig_Scaffold00609	111657	(A/G)
32611	CadSNP8206	<i>Desi</i>	Ca_Desig_Scaffold00609	116688	(G/T)
32612	CadSNP8207	<i>Desi</i>	Ca_Desig_Scaffold00609	116761	(A/T)
32613	CadSNP8208	<i>Desi</i>	Ca_Desig_Scaffold00609	116871	(T/C)
32614	CadSNP8209	<i>Desi</i>	Ca_Desig_Scaffold00609	116867	(G/C)
32615	CadSNP8210	<i>Desi</i>	Ca_Desig_Scaffold00609	120404	(C/T)
32616	CadSNP8211	<i>Desi</i>	Ca_Desig_Scaffold00610	49717	(A/G)
32617	CadSNP8212	<i>Desi</i>	Ca_Desig_Scaffold00610	93748	(T/G)
32618	CadSNP8213	<i>Desi</i>	Ca_Desig_Scaffold00610	93696	(A/C)
32619	CadSNP8214	<i>Desi</i>	Ca_Desig_Scaffold00610	93695	(T/A)
32620	CadSNP8215	<i>Desi</i>	Ca_Desig_Scaffold00610	97352	(T/C)
32621	CadSNP8216	<i>Desi</i>	Ca_Desig_Scaffold00610	99073	(A/T)
32622	CadSNP8217	<i>Desi</i>	Ca_Desig_Scaffold00610	99190	(T/C)
32623	CadSNP8218	<i>Desi</i>	Ca_Desig_Scaffold00610	99127	(T/C)
32624	CadSNP8219	<i>Desi</i>	Ca_Desig_Scaffold00610	103933	(G/A)
32625	CadSNP8220	<i>Desi</i>	Ca_Desig_Scaffold00610	103913	(G/A)
32626	CadSNP8221	<i>Desi</i>	Ca_Desig_Scaffold00610	104000	(C/T)
32627	CadSNP8222	<i>Desi</i>	Ca_Desig_Scaffold00610	103999	(A/G)
32628	CadSNP8223	<i>Desi</i>	Ca_Desig_Scaffold00611	7834	(C/A)
32629	CadSNP8224	<i>Desi</i>	Ca_Desig_Scaffold00611	72836	(A/G)
32630	CadSNP8225	<i>Desi</i>	Ca_Desig_Scaffold00611	72777	(C/A)
32631	CadSNP8226	<i>Desi</i>	Ca_Desig_Scaffold00611	72899	(G/T)
32632	CadSNP8227	<i>Desi</i>	Ca_Desig_Scaffold00611	86236	(C/A)
32633	CadSNP8228	<i>Desi</i>	Ca_Desig_Scaffold00611	98964	(T/A)
32634	CadSNP8229	<i>Desi</i>	Ca_Desig_Scaffold00611	98974	(T/C)
32635	CadSNP8230	<i>Desi</i>	Ca_Desig_Scaffold00611	98979	(A/G)
32636	CadSNP8231	<i>Desi</i>	Ca_Desig_Scaffold00611	99131	(G/A)
32637	CadSNP8232	<i>Desi</i>	Ca_Desig_Scaffold00611	99206	(T/G)
32638	CadSNP8233	<i>Desi</i>	Ca_Desig_Scaffold00611	106741	(G/T)
32639	CadSNP8234	<i>Desi</i>	Ca_Desig_Scaffold00611	106828	(T/C)
32640	CadSNP8235	<i>Desi</i>	Ca_Desig_Scaffold00611	106960	(C/T)
32641	CadSNP8236	<i>Desi</i>	Ca_Desig_Scaffold00613	52046	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32642	CadSNP8237	<i>Desi</i>	Ca_Desig_Scaffold00613	52066	(A/G)
32643	CadSNP8238	<i>Desi</i>	Ca_Desig_Scaffold00614	13949	(A/C)
32644	CadSNP8239	<i>Desi</i>	Ca_Desig_Scaffold00614	45724	(A/T)
32645	CadSNP8240	<i>Desi</i>	Ca_Desig_Scaffold00614	45808	(T/C)
32646	CadSNP8241	<i>Desi</i>	Ca_Desig_Scaffold00614	45860	(T/A)
32647	CadSNP8242	<i>Desi</i>	Ca_Desig_Scaffold00614	53785	(G/A)
32648	CadSNP8243	<i>Desi</i>	Ca_Desig_Scaffold00614	53824	(G/A)
32649	CadSNP8244	<i>Desi</i>	Ca_Desig_Scaffold00614	53825	(T/C)
32650	CadSNP8245	<i>Desi</i>	Ca_Desig_Scaffold00614	85653	(C/G)
32651	CadSNP8246	<i>Desi</i>	Ca_Desig_Scaffold00614	105277	(A/G)
32652	CadSNP8247	<i>Desi</i>	Ca_Desig_Scaffold00614	117384	(C/T)
32653	CadSNP8248	<i>Desi</i>	Ca_Desig_Scaffold00617	85526	(G/A)
32654	CadSNP8249	<i>Desi</i>	Ca_Desig_Scaffold00617	113754	(C/T)
32655	CadSNP8250	<i>Desi</i>	Ca_Desig_Scaffold00618	72110	(A/C)
32656	CadSNP8251	<i>Desi</i>	Ca_Desig_Scaffold00618	72156	(A/C)
32657	CadSNP8252	<i>Desi</i>	Ca_Desig_Scaffold00618	100769	(C/T)
32658	CadSNP8253	<i>Desi</i>	Ca_Desig_Scaffold00618	113594	(T/G)
32659	CadSNP8254	<i>Desi</i>	Ca_Desig_Scaffold00619	127387	(T/C)
32660	CadSNP8255	<i>Desi</i>	Ca_Desig_Scaffold00619	127348	(C/A)
32661	CadSNP8256	<i>Desi</i>	Ca_Desig_Scaffold00619	127346	(G/T)
32662	CadSNP8257	<i>Desi</i>	Ca_Desig_Scaffold00620	8064	(T/C)
32663	CadSNP8258	<i>Desi</i>	Ca_Desig_Scaffold00620	42282	(A/C)
32664	CadSNP8259	<i>Desi</i>	Ca_Desig_Scaffold00620	42325	(C/A)
32665	CadSNP8260	<i>Desi</i>	Ca_Desig_Scaffold00620	71737	(T/A)
32666	CadSNP8261	<i>Desi</i>	Ca_Desig_Scaffold00620	71839	(G/C)
32667	CadSNP8262	<i>Desi</i>	Ca_Desig_Scaffold00620	89562	(G/A)
32668	CadSNP8263	<i>Desi</i>	Ca_Desig_Scaffold00624	69711	(A/G)
32669	CadSNP8264	<i>Desi</i>	Ca_Desig_Scaffold00625	11233	(T/C)
32670	CadSNP8265	<i>Desi</i>	Ca_Desig_Scaffold00625	11256	(A/C)
32671	CadSNP8266	<i>Desi</i>	Ca_Desig_Scaffold00625	12430	(A/C)
32672	CadSNP8267	<i>Desi</i>	Ca_Desig_Scaffold00625	12431	(G/T)
32673	CadSNP8268	<i>Desi</i>	Ca_Desig_Scaffold00625	43104	(G/A)
32674	CadSNP8269	<i>Desi</i>	Ca_Desig_Scaffold00625	43336	(T/G)
32675	CadSNP8270	<i>Desi</i>	Ca_Desig_Scaffold00625	78837	(A/C)
32676	CadSNP8271	<i>Desi</i>	Ca_Desig_Scaffold00626	47126	(C/T)
32677	CadSNP8272	<i>Desi</i>	Ca_Desig_Scaffold00626	47238	(G/T)
32678	CadSNP8273	<i>Desi</i>	Ca_Desig_Scaffold00626	75102	(T/C)
32679	CadSNP8274	<i>Desi</i>	Ca_Desig_Scaffold00626	75270	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32680	CadSNP8275	<i>Desi</i>	Ca_Desig_Scaffold00626	97784	(T/C)
32681	CadSNP8276	<i>Desi</i>	Ca_Desig_Scaffold00626	125265	(G/A)
32682	CadSNP8277	<i>Desi</i>	Ca_Desig_Scaffold00626	125264	(C/T)
32683	CadSNP8278	<i>Desi</i>	Ca_Desig_Scaffold00626	125255	(G/A)
32684	CadSNP8279	<i>Desi</i>	Ca_Desig_Scaffold00628	97948	(T/C)
32685	CadSNP8280	<i>Desi</i>	Ca_Desig_Scaffold00630	39386	(C/G)
32686	CadSNP8281	<i>Desi</i>	Ca_Desig_Scaffold00630	84327	(G/C)
32687	CadSNP8282	<i>Desi</i>	Ca_Desig_Scaffold00631	128113	(C/T)
32688	CadSNP8283	<i>Desi</i>	Ca_Desig_Scaffold00631	160303	(A/G)
32689	CadSNP8284	<i>Desi</i>	Ca_Desig_Scaffold00631	189756	(A/G)
32690	CadSNP8285	<i>Desi</i>	Ca_Desig_Scaffold00631	224350	(C/T)
32691	CadSNP8286	<i>Desi</i>	Ca_Desig_Scaffold00634	248698	(C/G)
32692	CadSNP8287	<i>Desi</i>	Ca_Desig_Scaffold00635	38383	(C/T)
32693	CadSNP8288	<i>Desi</i>	Ca_Desig_Scaffold00635	38431	(A/T)
32694	CadSNP8289	<i>Desi</i>	Ca_Desig_Scaffold00635	48097	(G/A)
32695	CadSNP8290	<i>Desi</i>	Ca_Desig_Scaffold00635	48083	(G/C)
32696	CadSNP8291	<i>Desi</i>	Ca_Desig_Scaffold00635	73996	(A/G)
32697	CadSNP8292	<i>Desi</i>	Ca_Desig_Scaffold00635	79850	(C/T)
32698	CadSNP8293	<i>Desi</i>	Ca_Desig_Scaffold00635	79952	(A/C)
32699	CadSNP8294	<i>Desi</i>	Ca_Desig_Scaffold00635	79953	(G/T)
32700	CadSNP8295	<i>Desi</i>	Ca_Desig_Scaffold00635	88832	(T/C)
32701	CadSNP8296	<i>Desi</i>	Ca_Desig_Scaffold00635	88820	(C/T)
32702	CadSNP8297	<i>Desi</i>	Ca_Desig_Scaffold00635	88794	(A/G)
32703	CadSNP8298	<i>Desi</i>	Ca_Desig_Scaffold00637	117736	(A/C)
32704	CadSNP8299	<i>Desi</i>	Ca_Desig_Scaffold00637	123525	(T/G)
32705	CadSNP8300	<i>Desi</i>	Ca_Desig_Scaffold00638	27584	(T/C)
32706	CadSNP8301	<i>Desi</i>	Ca_Desig_Scaffold00640	12335	(A/T)
32707	CadSNP8302	<i>Desi</i>	Ca_Desig_Scaffold00640	12344	(G/A)
32708	CadSNP8303	<i>Desi</i>	Ca_Desig_Scaffold00640	12386	(T/C)
32709	CadSNP8304	<i>Desi</i>	Ca_Desig_Scaffold00640	12443	(C/T)
32710	CadSNP8305	<i>Desi</i>	Ca_Desig_Scaffold00640	12677	(A/C)
32711	CadSNP8306	<i>Desi</i>	Ca_Desig_Scaffold00640	58175	(A/G)
32712	CadSNP8307	<i>Desi</i>	Ca_Desig_Scaffold00640	58343	(C/T)
32713	CadSNP8308	<i>Desi</i>	Ca_Desig_Scaffold00640	58651	(A/T)
32714	CadSNP8309	<i>Desi</i>	Ca_Desig_Scaffold00640	67997	(A/G)
32715	CadSNP8310	<i>Desi</i>	Ca_Desig_Scaffold00640	68074	(A/C)
32716	CadSNP8311	<i>Desi</i>	Ca_Desig_Scaffold00640	101890	(T/C)
32717	CadSNP8312	<i>Desi</i>	Ca_Desig_Scaffold00640	102417	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
32718	CadSNP8313	<i>Desi</i>	Ca_Desig_Scaffold00640	102511	(G/A)
32719	CadSNP8314	<i>Desi</i>	Ca_Desig_Scaffold00640	117896	(A/G)
32720	CadSNP8315	<i>Desi</i>	Ca_Desig_Scaffold00640	120278	(T/C)
32721	CadSNP8316	<i>Desi</i>	Ca_Desig_Scaffold00640	120281	(G/A)
32722	CadSNP8317	<i>Desi</i>	Ca_Desig_Scaffold00640	120311	(A/T)
32723	CadSNP8318	<i>Desi</i>	Ca_Desig_Scaffold00640	120320	(T/C)
32724	CadSNP8319	<i>Desi</i>	Ca_Desig_Scaffold00640	121168	(G/A)
32725	CadSNP8320	<i>Desi</i>	Ca_Desig_Scaffold00640	121162	(T/C)
32726	CadSNP8321	<i>Desi</i>	Ca_Desig_Scaffold00640	121324	(A/T)
32727	CadSNP8322	<i>Desi</i>	Ca_Desig_Scaffold00642	15730	(G/A)
32728	CadSNP8323	<i>Desi</i>	Ca_Desig_Scaffold00642	15915	(G/T)
32729	CadSNP8324	<i>Desi</i>	Ca_Desig_Scaffold00642	21227	(A/C)
32730	CadSNP8325	<i>Desi</i>	Ca_Desig_Scaffold00642	21228	(G/C)
32731	CadSNP8326	<i>Desi</i>	Ca_Desig_Scaffold00642	21232	(G/C)
32732	CadSNP8327	<i>Desi</i>	Ca_Desig_Scaffold00642	38010	(T/A)
32733	CadSNP8328	<i>Desi</i>	Ca_Desig_Scaffold00642	38037	(C/T)
32734	CadSNP8329	<i>Desi</i>	Ca_Desig_Scaffold00642	51028	(C/T)
32735	CadSNP8330	<i>Desi</i>	Ca_Desig_Scaffold00642	51092	(T/G)
32736	CadSNP8331	<i>Desi</i>	Ca_Desig_Scaffold00642	52030	(C/G)
32737	CadSNP8332	<i>Desi</i>	Ca_Desig_Scaffold00642	52083	(G/T)
32738	CadSNP8333	<i>Desi</i>	Ca_Desig_Scaffold00642	52086	(A/G)
32739	CadSNP8334	<i>Desi</i>	Ca_Desig_Scaffold00642	52097	(T/G)
32740	CadSNP8335	<i>Desi</i>	Ca_Desig_Scaffold00643	119989	(C/T)
32741	CadSNP8336	<i>Desi</i>	Ca_Desig_Scaffold00644	61075	(T/G)
32742	CadSNP8337	<i>Desi</i>	Ca_Desig_Scaffold00644	61179	(C/A)
32743	CadSNP8338	<i>Desi</i>	Ca_Desig_Scaffold00644	76753	(C/T)
32744	CadSNP8339	<i>Desi</i>	Ca_Desig_Scaffold00644	94661	(C/A)
32745	CadSNP8340	<i>Desi</i>	Ca_Desig_Scaffold00644	94688	(C/G)
32746	CadSNP8341	<i>Desi</i>	Ca_Desig_Scaffold00644	115417	(T/G)
32747	CadSNP8342	<i>Desi</i>	Ca_Desig_Scaffold00644	115442	(T/C)
32748	CadSNP8343	<i>Desi</i>	Ca_Desig_Scaffold00645	43773	(A/G)
32749	CadSNP8344	<i>Desi</i>	Ca_Desig_Scaffold00645	48752	(C/G)
32750	CadSNP8345	<i>Desi</i>	Ca_Desig_Scaffold00645	48822	(A/G)
32751	CadSNP8346	<i>Desi</i>	Ca_Desig_Scaffold00645	108809	(G/A)
32752	CadSNP8347	<i>Desi</i>	Ca_Desig_Scaffold00646	48447	(T/C)
32753	CadSNP8348	<i>Desi</i>	Ca_Desig_Scaffold00646	65000	(A/C)
32754	CadSNP8349	<i>Desi</i>	Ca_Desig_Scaffold00646	65313	(G/A)
32755	CadSNP8350	<i>Desi</i>	Ca_Desig_Scaffold00646	67522	(G/A)

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32756	CadSNP8351	<i>Desi</i>	Ca_Desig_Scaffold00646	67535	(A/C)
32757	CadSNP8352	<i>Desi</i>	Ca_Desig_Scaffold00646	89646	(G/A)
32758	CadSNP8353	<i>Desi</i>	Ca_Desig_Scaffold00646	89901	(G/C)
32759	CadSNP8354	<i>Desi</i>	Ca_Desig_Scaffold00646	89976	(A/G)
32760	CadSNP8355	<i>Desi</i>	Ca_Desig_Scaffold00646	89951	(C/A)
32761	CadSNP8356	<i>Desi</i>	Ca_Desig_Scaffold00647	6170	(T/G)
32762	CadSNP8357	<i>Desi</i>	Ca_Desig_Scaffold00647	7450	(C/G)
32763	CadSNP8358	<i>Desi</i>	Ca_Desig_Scaffold00647	7556	(C/A)
32764	CadSNP8359	<i>Desi</i>	Ca_Desig_Scaffold00647	141065	(A/G)
32765	CadSNP8360	<i>Desi</i>	Ca_Desig_Scaffold00647	203262	(G/A)
32766	CadSNP8361	<i>Desi</i>	Ca_Desig_Scaffold00647	204354	(T/C)
32767	CadSNP8362	<i>Desi</i>	Ca_Desig_Scaffold00649	60765	(C/T)
32768	CadSNP8363	<i>Desi</i>	Ca_Desig_Scaffold00649	79710	(A/T)
32769	CadSNP8364	<i>Desi</i>	Ca_Desig_Scaffold00651	22364	(A/C)
32770	CadSNP8365	<i>Desi</i>	Ca_Desig_Scaffold00651	81313	(T/G)
32771	CadSNP8366	<i>Desi</i>	Ca_Desig_Scaffold00651	81352	(C/T)
32772	CadSNP8367	<i>Desi</i>	Ca_Desig_Scaffold00651	104130	(A/G)
32773	CadSNP8368	<i>Desi</i>	Ca_Desig_Scaffold00651	109276	(T/C)
32774	CadSNP8369	<i>Desi</i>	Ca_Desig_Scaffold00651	109274	(C/G)
32775	CadSNP8370	<i>Desi</i>	Ca_Desig_Scaffold00651	109273	(G/C)
32776	CadSNP8371	<i>Desi</i>	Ca_Desig_Scaffold00651	110940	(C/T)
32777	CadSNP8372	<i>Desi</i>	Ca_Desig_Scaffold00651	110967	(G/A)
32778	CadSNP8373	<i>Desi</i>	Ca_Desig_Scaffold00651	110970	(G/T)
32779	CadSNP8374	<i>Desi</i>	Ca_Desig_Scaffold00651	110996	(C/T)
32780	CadSNP8375	<i>Desi</i>	Ca_Desig_Scaffold00651	110997	(G/A)
32781	CadSNP8376	<i>Desi</i>	Ca_Desig_Scaffold00654	32331	(A/C)
32782	CadSNP8377	<i>Desi</i>	Ca_Desig_Scaffold00654	81113	(T/C)
32783	CadSNP8378	<i>Desi</i>	Ca_Desig_Scaffold00654	84671	(C/T)
32784	CadSNP8379	<i>Desi</i>	Ca_Desig_Scaffold00654	185601	(C/T)
32785	CadSNP8380	<i>Desi</i>	Ca_Desig_Scaffold00657	26187	(A/T)
32786	CadSNP8381	<i>Desi</i>	Ca_Desig_Scaffold00657	26258	(G/A)
32787	CadSNP8382	<i>Desi</i>	Ca_Desig_Scaffold00658	43706	(G/T)
32788	CadSNP8383	<i>Desi</i>	Ca_Desig_Scaffold00658	43921	(C/T)
32789	CadSNP8384	<i>Desi</i>	Ca_Desig_Scaffold00658	78624	(C/A)
32790	CadSNP8385	<i>Desi</i>	Ca_Desig_Scaffold00658	78625	(T/G)
32791	CadSNP8386	<i>Desi</i>	Ca_Desig_Scaffold00659	91793	(C/T)
32792	CadSNP8387	<i>Desi</i>	Ca_Desig_Scaffold00660	62124	(A/C)
32793	CadSNP8388	<i>Desi</i>	Ca_Desig_Scaffold00660	92102	(T/G)

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32794	CadSNP8389	<i>Desi</i>	Ca_Desig_Scaffold00660	124038	(G/A)
32795	CadSNP8390	<i>Desi</i>	Ca_Desig_Scaffold00664	4615	(C/T)
32796	CadSNP8391	<i>Desi</i>	Ca_Desig_Scaffold00664	4616	(C/G)
32797	CadSNP8392	<i>Desi</i>	Ca_Desig_Scaffold00664	4670	(T/A)
32798	CadSNP8393	<i>Desi</i>	Ca_Desig_Scaffold00666	114490	(T/C)
32799	CadSNP8394	<i>Desi</i>	Ca_Desig_Scaffold00667	60868	(G/T)
32800	CadSNP8395	<i>Desi</i>	Ca_Desig_Scaffold00667	60904	(A/T)
32801	CadSNP8396	<i>Desi</i>	Ca_Desig_Scaffold00667	90133	(A/C)
32802	CadSNP8397	<i>Desi</i>	Ca_Desig_Scaffold00668	119220	(T/C)
32803	CadSNP8398	<i>Desi</i>	Ca_Desig_Scaffold00671	60374	(T/G)
32804	CadSNP8399	<i>Desi</i>	Ca_Desig_Scaffold00671	125578	(A/G)
32805	CadSNP8400	<i>Desi</i>	Ca_Desig_Scaffold00675	25498	(T/G)
32806	CadSNP8401	<i>Desi</i>	Ca_Desig_Scaffold00675	27041	(G/C)
32807	CadSNP8402	<i>Desi</i>	Ca_Desig_Scaffold00675	27045	(G/T)
32808	CadSNP8403	<i>Desi</i>	Ca_Desig_Scaffold00675	27260	(T/C)
32809	CadSNP8404	<i>Desi</i>	Ca_Desig_Scaffold00676	41652	(T/C)
32810	CadSNP8405	<i>Desi</i>	Ca_Desig_Scaffold00679	31654	(T/A)
32811	CadSNP8406	<i>Desi</i>	Ca_Desig_Scaffold00679	31613	(G/A)
32812	CadSNP8407	<i>Desi</i>	Ca_Desig_Scaffold00679	31675	(A/G)
32813	CadSNP8408	<i>Desi</i>	Ca_Desig_Scaffold00680	11576	(A/G)
32814	CadSNP8409	<i>Desi</i>	Ca_Desig_Scaffold00680	11575	(A/T)
32815	CadSNP8410	<i>Desi</i>	Ca_Desig_Scaffold00680	16012	(C/T)
32816	CadSNP8411	<i>Desi</i>	Ca_Desig_Scaffold00680	34998	(C/T)
32817	CadSNP8412	<i>Desi</i>	Ca_Desig_Scaffold00680	40177	(A/T)
32818	CadSNP8413	<i>Desi</i>	Ca_Desig_Scaffold00680	40171	(C/T)
32819	CadSNP8414	<i>Desi</i>	Ca_Desig_Scaffold00680	40168	(T/C)
32820	CadSNP8415	<i>Desi</i>	Ca_Desig_Scaffold00680	40147	(G/A)
32821	CadSNP8416	<i>Desi</i>	Ca_Desig_Scaffold00680	47853	(A/G)
32822	CadSNP8417	<i>Desi</i>	Ca_Desig_Scaffold00680	47970	(G/A)
32823	CadSNP8418	<i>Desi</i>	Ca_Desig_Scaffold00680	76297	(G/A)
32824	CadSNP8419	<i>Desi</i>	Ca_Desig_Scaffold00680	76290	(G/A)
32825	CadSNP8420	<i>Desi</i>	Ca_Desig_Scaffold00680	84507	(A/G)
32826	CadSNP8421	<i>Desi</i>	Ca_Desig_Scaffold00681	127469	(G/A)
32827	CadSNP8422	<i>Desi</i>	Ca_Desig_Scaffold00681	127475	(A/G)
32828	CadSNP8423	<i>Desi</i>	Ca_Desig_Scaffold00681	127477	(A/T)
32829	CadSNP8424	<i>Desi</i>	Ca_Desig_Scaffold00681	127498	(C/A)
32830	CadSNP8425	<i>Desi</i>	Ca_Desig_Scaffold00681	127510	(T/A)
32831	CadSNP8426	<i>Desi</i>	Ca_Desig_Scaffold00681	127529	(C/T)

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32832	CadSNP8427	<i>Desi</i>	Ca_Desig_Scaffold00690	75772	(A/G)
32833	CadSNP8428	<i>Desi</i>	Ca_Desig_Scaffold00691	73113	(A/G)
32834	CadSNP8429	<i>Desi</i>	Ca_Desig_Scaffold00691	101458	(C/G)
32835	CadSNP8430	<i>Desi</i>	Ca_Desig_Scaffold00691	101459	(A/G)
32836	CadSNP8431	<i>Desi</i>	Ca_Desig_Scaffold00691	119430	(G/T)
32837	CadSNP8432	<i>Desi</i>	Ca_Desig_Scaffold00691	120250	(C/A)
32838	CadSNP8433	<i>Desi</i>	Ca_Desig_Scaffold00692	12665	(A/C)
32839	CadSNP8434	<i>Desi</i>	Ca_Desig_Scaffold00694	40843	(A/G)
32840	CadSNP8435	<i>Desi</i>	Ca_Desig_Scaffold00696	104936	(A/G)
32841	CadSNP8436	<i>Desi</i>	Ca_Desig_Scaffold00696	114930	(C/T)
32842	CadSNP8437	<i>Desi</i>	Ca_Desig_Scaffold00696	114918	(T/C)
32843	CadSNP8438	<i>Desi</i>	Ca_Desig_Scaffold00696	117739	(A/T)
32844	CadSNP8439	<i>Desi</i>	Ca_Desig_Scaffold00696	117725	(A/C)
32845	CadSNP8440	<i>Desi</i>	Ca_Desig_Scaffold00696	123800	(C/A)
32846	CadSNP8441	<i>Desi</i>	Ca_Desig_Scaffold00698	11973	(A/C)
32847	CadSNP8442	<i>Desi</i>	Ca_Desig_Scaffold00698	11945	(C/T)
32848	CadSNP8443	<i>Desi</i>	Ca_Desig_Scaffold00698	34633	(G/A)
32849	CadSNP8444	<i>Desi</i>	Ca_Desig_Scaffold00698	34671	(G/T)
32850	CadSNP8445	<i>Desi</i>	Ca_Desig_Scaffold00698	34754	(A/G)
32851	CadSNP8446	<i>Desi</i>	Ca_Desig_Scaffold00698	34829	(G/T)
32852	CadSNP8447	<i>Desi</i>	Ca_Desig_Scaffold00698	34897	(G/C)
32853	CadSNP8448	<i>Desi</i>	Ca_Desig_Scaffold00698	40116	(T/C)
32854	CadSNP8449	<i>Desi</i>	Ca_Desig_Scaffold00698	57773	(C/T)
32855	CadSNP8450	<i>Desi</i>	Ca_Desig_Scaffold00698	70947	(A/G)
32856	CadSNP8451	<i>Desi</i>	Ca_Desig_Scaffold00698	95511	(C/T)
32857	CadSNP8452	<i>Desi</i>	Ca_Desig_Scaffold00698	107693	(T/C)
32858	CadSNP8453	<i>Desi</i>	Ca_Desig_Scaffold00698	108475	(T/C)
32859	CadSNP8454	<i>Desi</i>	Ca_Desig_Scaffold00698	108867	(G/A)
32860	CadSNP8455	<i>Desi</i>	Ca_Desig_Scaffold00698	110191	(T/A)
32861	CadSNP8456	<i>Desi</i>	Ca_Desig_Scaffold00698	110199	(C/A)
32862	CadSNP8457	<i>Desi</i>	Ca_Desig_Scaffold00698	110249	(A/T)
32863	CadSNP8458	<i>Desi</i>	Ca_Desig_Scaffold00698	119043	(G/A)
32864	CadSNP8459	<i>Desi</i>	Ca_Desig_Scaffold00703	53460	(C/T)
32865	CadSNP8460	<i>Desi</i>	Ca_Desig_Scaffold00703	53458	(C/G)
32866	CadSNP8461	<i>Desi</i>	Ca_Desig_Scaffold00703	53459	(C/T)
32867	CadSNP8462	<i>Desi</i>	Ca_Desig_Scaffold00703	53463	(C/T)
32868	CadSNP8463	<i>Desi</i>	Ca_Desig_Scaffold00703	53472	(A/G)
32869	CadSNP8464	<i>Desi</i>	Ca_Desig_Scaffold00703	53478	(A/T)

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32870	CadSNP8465	<i>Desi</i>	Ca_Desig_Scaffold00703	53479	(A/G)
32871	CadSNP8466	<i>Desi</i>	Ca_Desig_Scaffold00703	54288	(C/T)
32872	CadSNP8467	<i>Desi</i>	Ca_Desig_Scaffold00703	54319	(T/C)
32873	CadSNP8468	<i>Desi</i>	Ca_Desig_Scaffold00703	54332	(G/T)
32874	CadSNP8469	<i>Desi</i>	Ca_Desig_Scaffold00703	96529	(A/G)
32875	CadSNP8470	<i>Desi</i>	Ca_Desig_Scaffold00703	96547	(A/C)
32876	CadSNP8471	<i>Desi</i>	Ca_Desig_Scaffold00710	56111	(G/A)
32877	CadSNP8472	<i>Desi</i>	Ca_Desig_Scaffold00710	56119	(G/A)
32878	CadSNP8473	<i>Desi</i>	Ca_Desig_Scaffold00710	56124	(T/G)
32879	CadSNP8474	<i>Desi</i>	Ca_Desig_Scaffold00710	56175	(A/C)
32880	CadSNP8475	<i>Desi</i>	Ca_Desig_Scaffold00710	59398	(A/C)
32881	CadSNP8476	<i>Desi</i>	Ca_Desig_Scaffold00710	75560	(C/T)
32882	CadSNP8477	<i>Desi</i>	Ca_Desig_Scaffold00710	119302	(G/T)
32883	CadSNP8478	<i>Desi</i>	Ca_Desig_Scaffold00715	5579	(C/G)
32884	CadSNP8479	<i>Desi</i>	Ca_Desig_Scaffold00717	10425	(C/T)
32885	CadSNP8480	<i>Desi</i>	Ca_Desig_Scaffold00717	19389	(C/T)
32886	CadSNP8481	<i>Desi</i>	Ca_Desig_Scaffold00718	42131	(T/C)
32887	CadSNP8482	<i>Desi</i>	Ca_Desig_Scaffold00718	42601	(C/T)
32888	CadSNP8483	<i>Desi</i>	Ca_Desig_Scaffold00718	47727	(G/T)
32889	CadSNP8484	<i>Desi</i>	Ca_Desig_Scaffold00718	48854	(A/G)
32890	CadSNP8485	<i>Desi</i>	Ca_Desig_Scaffold00718	48862	(T/G)
32891	CadSNP8486	<i>Desi</i>	Ca_Desig_Scaffold00718	60819	(C/T)
32892	CadSNP8487	<i>Desi</i>	Ca_Desig_Scaffold00718	99491	(T/A)
32893	CadSNP8488	<i>Desi</i>	Ca_Desig_Scaffold00719	108923	(T/G)
32894	CadSNP8489	<i>Desi</i>	Ca_Desig_Scaffold00723	27635	(T/A)
32895	CadSNP8490	<i>Desi</i>	Ca_Desig_Scaffold00723	43134	(T/C)
32896	CadSNP8491	<i>Desi</i>	Ca_Desig_Scaffold00723	43177	(C/T)
32897	CadSNP8492	<i>Desi</i>	Ca_Desig_Scaffold00725	12948	(A/G)
32898	CadSNP8493	<i>Desi</i>	Ca_Desig_Scaffold00725	13005	(G/A)
32899	CadSNP8494	<i>Desi</i>	Ca_Desig_Scaffold00725	13222	(G/A)
32900	CadSNP8495	<i>Desi</i>	Ca_Desig_Scaffold00725	29897	(C/T)
32901	CadSNP8496	<i>Desi</i>	Ca_Desig_Scaffold00725	29886	(G/A)
32902	CadSNP8497	<i>Desi</i>	Ca_Desig_Scaffold00725	29857	(T/C)
32903	CadSNP8498	<i>Desi</i>	Ca_Desig_Scaffold00725	102954	(C/T)
32904	CadSNP8499	<i>Desi</i>	Ca_Desig_Scaffold00725	103119	(G/C)
32905	CadSNP8500	<i>Desi</i>	Ca_Desig_Scaffold00725	105354	(T/G)
32906	CadSNP8501	<i>Desi</i>	Ca_Desig_Scaffold00725	105440	(A/G)
32907	CadSNP8502	<i>Desi</i>	Ca_Desig_Scaffold00725	105410	(A/C)

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32908	CadSNP8503	<i>Desi</i>	Ca_Desig_Scaffold00725	106560	(G/A)
32909	CadSNP8504	<i>Desi</i>	Ca_Desig_Scaffold00725	106665	(T/A)
32910	CadSNP8505	<i>Desi</i>	Ca_Desig_Scaffold00725	110304	(T/C)
32911	CadSNP8506	<i>Desi</i>	Ca_Desig_Scaffold00725	110465	(C/A)
32912	CadSNP8507	<i>Desi</i>	Ca_Desig_Scaffold00726	81477	(G/A)
32913	CadSNP8508	<i>Desi</i>	Ca_Desig_Scaffold00726	81602	(C/T)
32914	CadSNP8509	<i>Desi</i>	Ca_Desig_Scaffold00726	81653	(G/C)
32915	CadSNP8510	<i>Desi</i>	Ca_Desig_Scaffold00726	81654	(T/G)
32916	CadSNP8511	<i>Desi</i>	Ca_Desig_Scaffold00726	83518	(G/C)
32917	CadSNP8512	<i>Desi</i>	Ca_Desig_Scaffold00726	83949	(G/A)
32918	CadSNP8513	<i>Desi</i>	Ca_Desig_Scaffold00726	84107	(C/A)
32919	CadSNP8514	<i>Desi</i>	Ca_Desig_Scaffold00726	84085	(G/A)
32920	CadSNP8515	<i>Desi</i>	Ca_Desig_Scaffold00727	2285	(T/A)
32921	CadSNP8516	<i>Desi</i>	Ca_Desig_Scaffold00727	112366	(G/C)
32922	CadSNP8517	<i>Desi</i>	Ca_Desig_Scaffold00727	112436	(G/A)
32923	CadSNP8518	<i>Desi</i>	Ca_Desig_Scaffold00727	122637	(C/T)
32924	CadSNP8519	<i>Desi</i>	Ca_Desig_Scaffold00728	15128	(C/A)
32925	CadSNP8520	<i>Desi</i>	Ca_Desig_Scaffold00728	15500	(G/A)
32926	CadSNP8521	<i>Desi</i>	Ca_Desig_Scaffold00728	15927	(T/C)
32927	CadSNP8522	<i>Desi</i>	Ca_Desig_Scaffold00728	56727	(T/C)
32928	CadSNP8523	<i>Desi</i>	Ca_Desig_Scaffold00729	30472	(T/C)
32929	CadSNP8524	<i>Desi</i>	Ca_Desig_Scaffold00729	30501	(G/C)
32930	CadSNP8525	<i>Desi</i>	Ca_Desig_Scaffold00729	30527	(A/G)
32931	CadSNP8526	<i>Desi</i>	Ca_Desig_Scaffold00729	47924	(T/G)
32932	CadSNP8527	<i>Desi</i>	Ca_Desig_Scaffold00730	43618	(G/A)
32933	CadSNP8528	<i>Desi</i>	Ca_Desig_Scaffold00731	3289	(A/G)
32934	CadSNP8529	<i>Desi</i>	Ca_Desig_Scaffold00731	3780	(T/G)
32935	CadSNP8530	<i>Desi</i>	Ca_Desig_Scaffold00731	3779	(G/A)
32936	CadSNP8531	<i>Desi</i>	Ca_Desig_Scaffold00731	3749	(A/G)
32937	CadSNP8532	<i>Desi</i>	Ca_Desig_Scaffold00731	8596	(A/G)
32938	CadSNP8533	<i>Desi</i>	Ca_Desig_Scaffold00731	9110	(G/A)
32939	CadSNP8534	<i>Desi</i>	Ca_Desig_Scaffold00731	9088	(A/G)
32940	CadSNP8535	<i>Desi</i>	Ca_Desig_Scaffold00733	32155	(A/T)
32941	CadSNP8536	<i>Desi</i>	Ca_Desig_Scaffold00733	32158	(A/T)
32942	CadSNP8537	<i>Desi</i>	Ca_Desig_Scaffold00733	32160	(A/T)
32943	CadSNP8538	<i>Desi</i>	Ca_Desig_Scaffold00733	32167	(G/T)
32944	CadSNP8539	<i>Desi</i>	Ca_Desig_Scaffold00733	32169	(G/A)
32945	CadSNP8540	<i>Desi</i>	Ca_Desig_Scaffold00733	32172	(C/T)

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32946	CadSNP8541	<i>Desi</i>	Ca_Desig_Scaffold00733	32200	(A/T)
32947	CadSNP8542	<i>Desi</i>	Ca_Desig_Scaffold00733	32203	(G/T)
32948	CadSNP8543	<i>Desi</i>	Ca_Desig_Scaffold00733	32221	(T/G)
32949	CadSNP8544	<i>Desi</i>	Ca_Desig_Scaffold00733	32226	(C/A)
32950	CadSNP8545	<i>Desi</i>	Ca_Desig_Scaffold00735	2932	(T/C)
32951	CadSNP8546	<i>Desi</i>	Ca_Desig_Scaffold00735	27109	(T/C)
32952	CadSNP8547	<i>Desi</i>	Ca_Desig_Scaffold00735	27081	(T/A)
32953	CadSNP8548	<i>Desi</i>	Ca_Desig_Scaffold00741	98106	(A/G)
32954	CadSNP8549	<i>Desi</i>	Ca_Desig_Scaffold00741	98205	(G/A)
32955	CadSNP8550	<i>Desi</i>	Ca_Desig_Scaffold00741	114447	(T/G)
32956	CadSNP8551	<i>Desi</i>	Ca_Desig_Scaffold00741	120129	(A/T)
32957	CadSNP8552	<i>Desi</i>	Ca_Desig_Scaffold00741	120130	(G/T)
32958	CadSNP8553	<i>Desi</i>	Ca_Desig_Scaffold00741	120154	(C/G)
32959	CadSNP8554	<i>Desi</i>	Ca_Desig_Scaffold00741	120176	(A/G)
32960	CadSNP8555	<i>Desi</i>	Ca_Desig_Scaffold00742	19250	(A/G)
32961	CadSNP8556	<i>Desi</i>	Ca_Desig_Scaffold00744	39016	(A/G)
32962	CadSNP8557	<i>Desi</i>	Ca_Desig_Scaffold00745	19244	(T/C)
32963	CadSNP8558	<i>Desi</i>	Ca_Desig_Scaffold00745	40537	(T/C)
32964	CadSNP8559	<i>Desi</i>	Ca_Desig_Scaffold00745	61307	(A/G)
32965	CadSNP8560	<i>Desi</i>	Ca_Desig_Scaffold00745	63618	(A/C)
32966	CadSNP8561	<i>Desi</i>	Ca_Desig_Scaffold00745	63622	(G/A)
32967	CadSNP8562	<i>Desi</i>	Ca_Desig_Scaffold00745	63664	(A/C)
32968	CadSNP8563	<i>Desi</i>	Ca_Desig_Scaffold00745	64545	(A/G)
32969	CadSNP8564	<i>Desi</i>	Ca_Desig_Scaffold00745	66128	(C/T)
32970	CadSNP8565	<i>Desi</i>	Ca_Desig_Scaffold00748	30508	(A/G)
32971	CadSNP8566	<i>Desi</i>	Ca_Desig_Scaffold00748	70629	(T/G)
32972	CadSNP8567	<i>Desi</i>	Ca_Desig_Scaffold00748	72149	(T/A)
32973	CadSNP8568	<i>Desi</i>	Ca_Desig_Scaffold00748	72238	(A/G)
32974	CadSNP8569	<i>Desi</i>	Ca_Desig_Scaffold00748	72247	(A/G)
32975	CadSNP8570	<i>Desi</i>	Ca_Desig_Scaffold00748	72289	(A/G)
32976	CadSNP8571	<i>Desi</i>	Ca_Desig_Scaffold00748	72784	(G/C)
32977	CadSNP8572	<i>Desi</i>	Ca_Desig_Scaffold00748	72793	(C/T)
32978	CadSNP8573	<i>Desi</i>	Ca_Desig_Scaffold00748	72814	(G/T)
32979	CadSNP8574	<i>Desi</i>	Ca_Desig_Scaffold00748	100706	(A/G)
32980	CadSNP8575	<i>Desi</i>	Ca_Desig_Scaffold00748	111093	(G/T)
32981	CadSNP8576	<i>Desi</i>	Ca_Desig_Scaffold00748	120611	(C/G)
32982	CadSNP8577	<i>Desi</i>	Ca_Desig_Scaffold00750	37856	(A/G)
32983	CadSNP8578	<i>Desi</i>	Ca_Desig_Scaffold00750	42564	(G/C)

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32984	CadSNP8579	<i>Desi</i>	Ca_Desig_Scaffold00751	25094	(T/C)
32985	CadSNP8580	<i>Desi</i>	Ca_Desig_Scaffold00751	64482	(T/C)
32986	CadSNP8581	<i>Desi</i>	Ca_Desig_Scaffold00751	64488	(T/C)
32987	CadSNP8582	<i>Desi</i>	Ca_Desig_Scaffold00751	64497	(A/C)
32988	CadSNP8583	<i>Desi</i>	Ca_Desig_Scaffold00751	64500	(C/T)
32989	CadSNP8584	<i>Desi</i>	Ca_Desig_Scaffold00751	64504	(G/T)
32990	CadSNP8585	<i>Desi</i>	Ca_Desig_Scaffold00751	64533	(G/A)
32991	CadSNP8586	<i>Desi</i>	Ca_Desig_Scaffold00751	64571	(G/C)
32992	CadSNP8587	<i>Desi</i>	Ca_Desig_Scaffold00751	64560	(G/A)
32993	CadSNP8588	<i>Desi</i>	Ca_Desig_Scaffold00751	64559	(T/C)
32994	CadSNP8589	<i>Desi</i>	Ca_Desig_Scaffold00751	64546	(G/T)
32995	CadSNP8590	<i>Desi</i>	Ca_Desig_Scaffold00751	64542	(T/A)
32996	CadSNP8591	<i>Desi</i>	Ca_Desig_Scaffold00751	83839	(G/C)
32997	CadSNP8592	<i>Desi</i>	Ca_Desig_Scaffold00751	83821	(T/G)
32998	CadSNP8593	<i>Desi</i>	Ca_Desig_Scaffold00751	104367	(G/C)
32999	CadSNP8594	<i>Desi</i>	Ca_Desig_Scaffold00751	105592	(T/A)
33000	CadSNP8595	<i>Desi</i>	Ca_Desig_Scaffold00752	60914	(A/C)
33001	CadSNP8596	<i>Desi</i>	Ca_Desig_Scaffold00753	112082	(T/G)
33002	CadSNP8597	<i>Desi</i>	Ca_Desig_Scaffold00753	112134	(G/T)
33003	CadSNP8598	<i>Desi</i>	Ca_Desig_Scaffold00754	48465	(A/C)
33004	CadSNP8599	<i>Desi</i>	Ca_Desig_Scaffold00760	85651	(A/C)
33005	CadSNP8600	<i>Desi</i>	Ca_Desig_Scaffold00760	85626	(A/G)
33006	CadSNP8601	<i>Desi</i>	Ca_Desig_Scaffold00760	85624	(G/C)
33007	CadSNP8602	<i>Desi</i>	Ca_Desig_Scaffold00760	85623	(C/T)
33008	CadSNP8603	<i>Desi</i>	Ca_Desig_Scaffold00760	85613	(T/A)
33009	CadSNP8604	<i>Desi</i>	Ca_Desig_Scaffold00760	85600	(T/G)
33010	CadSNP8605	<i>Desi</i>	Ca_Desig_Scaffold00760	85598	(C/G)
33011	CadSNP8606	<i>Desi</i>	Ca_Desig_Scaffold00760	119433	(T/C)
33012	CadSNP8607	<i>Desi</i>	Ca_Desig_Scaffold00760	119432	(A/G)
33013	CadSNP8608	<i>Desi</i>	Ca_Desig_Scaffold00760	119425	(A/G)
33014	CadSNP8609	<i>Desi</i>	Ca_Desig_Scaffold00760	119414	(A/G)
33015	CadSNP8610	<i>Desi</i>	Ca_Desig_Scaffold00760	119411	(T/G)
33016	CadSNP8611	<i>Desi</i>	Ca_Desig_Scaffold00762	43186	(T/A)
33017	CadSNP8612	<i>Desi</i>	Ca_Desig_Scaffold00762	43209	(T/C)
33018	CadSNP8613	<i>Desi</i>	Ca_Desig_Scaffold00762	44195	(T/C)
33019	CadSNP8614	<i>Desi</i>	Ca_Desig_Scaffold00762	44124	(T/A)
33020	CadSNP8615	<i>Desi</i>	Ca_Desig_Scaffold00762	93788	(C/G)
33021	CadSNP8616	<i>Desi</i>	Ca_Desig_Scaffold00762	93796	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33022	CadSNP8617	<i>Desi</i>	Ca_Desig_Scaffold00763	95271	(T/C)
33023	CadSNP8618	<i>Desi</i>	Ca_Desig_Scaffold00767	11907	(C/T)
33024	CadSNP8619	<i>Desi</i>	Ca_Desig_Scaffold00767	14175	(A/G)
33025	CadSNP8620	<i>Desi</i>	Ca_Desig_Scaffold00767	14186	(A/G)
33026	CadSNP8621	<i>Desi</i>	Ca_Desig_Scaffold00767	17926	(T/A)
33027	CadSNP8622	<i>Desi</i>	Ca_Desig_Scaffold00768	37708	(T/G)
33028	CadSNP8623	<i>Desi</i>	Ca_Desig_Scaffold00768	40836	(G/A)
33029	CadSNP8624	<i>Desi</i>	Ca_Desig_Scaffold00768	88105	(A/C)
33030	CadSNP8625	<i>Desi</i>	Ca_Desig_Scaffold00768	88077	(G/A)
33031	CadSNP8626	<i>Desi</i>	Ca_Desig_Scaffold00769	21736	(C/T)
33032	CadSNP8627	<i>Desi</i>	Ca_Desig_Scaffold00770	18242	(C/A)
33033	CadSNP8628	<i>Desi</i>	Ca_Desig_Scaffold00770	85802	(C/G)
33034	CadSNP8629	<i>Desi</i>	Ca_Desig_Scaffold00770	85835	(C/T)
33035	CadSNP8630	<i>Desi</i>	Ca_Desig_Scaffold00770	89214	(T/C)
33036	CadSNP8631	<i>Desi</i>	Ca_Desig_Scaffold00770	89210	(T/A)
33037	CadSNP8632	<i>Desi</i>	Ca_Desig_Scaffold00770	89206	(A/G)
33038	CadSNP8633	<i>Desi</i>	Ca_Desig_Scaffold00770	89205	(C/A)
33039	CadSNP8634	<i>Desi</i>	Ca_Desig_Scaffold00770	101549	(G/T)
33040	CadSNP8635	<i>Desi</i>	Ca_Desig_Scaffold00772	65633	(G/A)
33041	CadSNP8636	<i>Desi</i>	Ca_Desig_Scaffold00772	97818	(G/T)
33042	CadSNP8637	<i>Desi</i>	Ca_Desig_Scaffold00774	104837	(A/G)
33043	CadSNP8638	<i>Desi</i>	Ca_Desig_Scaffold00776	18777	(A/G)
33044	CadSNP8639	<i>Desi</i>	Ca_Desig_Scaffold00776	69315	(A/G)
33045	CadSNP8640	<i>Desi</i>	Ca_Desig_Scaffold00776	87753	(C/T)
33046	CadSNP8641	<i>Desi</i>	Ca_Desig_Scaffold00776	92322	(T/C)
33047	CadSNP8642	<i>Desi</i>	Ca_Desig_Scaffold00776	97215	(T/C)
33048	CadSNP8643	<i>Desi</i>	Ca_Desig_Scaffold00776	98563	(C/G)
33049	CadSNP8644	<i>Desi</i>	Ca_Desig_Scaffold00776	99806	(G/C)
33050	CadSNP8645	<i>Desi</i>	Ca_Desig_Scaffold00776	99762	(T/C)
33051	CadSNP8646	<i>Desi</i>	Ca_Desig_Scaffold00777	10284	(G/A)
33052	CadSNP8647	<i>Desi</i>	Ca_Desig_Scaffold00777	45163	(C/A)
33053	CadSNP8648	<i>Desi</i>	Ca_Desig_Scaffold00777	45166	(A/C)
33054	CadSNP8649	<i>Desi</i>	Ca_Desig_Scaffold00777	100240	(A/C)
33055	CadSNP8650	<i>Desi</i>	Ca_Desig_Scaffold00777	101105	(A/G)
33056	CadSNP8651	<i>Desi</i>	Ca_Desig_Scaffold00777	101331	(A/G)
33057	CadSNP8652	<i>Desi</i>	Ca_Desig_Scaffold00777	102350	(G/A)
33058	CadSNP8653	<i>Desi</i>	Ca_Desig_Scaffold00778	18428	(A/C)
33059	CadSNP8654	<i>Desi</i>	Ca_Desig_Scaffold00778	49409	(G/A)

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33060	CadSNP8655	<i>Desi</i>	Ca_Desig_Scaffold00778	49451	(A/G)
33061	CadSNP8656	<i>Desi</i>	Ca_Desig_Scaffold00778	49472	(T/C)
33062	CadSNP8657	<i>Desi</i>	Ca_Desig_Scaffold00778	49487	(G/T)
33063	CadSNP8658	<i>Desi</i>	Ca_Desig_Scaffold00778	56241	(T/A)
33064	CadSNP8659	<i>Desi</i>	Ca_Desig_Scaffold00778	63778	(T/A)
33065	CadSNP8660	<i>Desi</i>	Ca_Desig_Scaffold00778	76700	(A/G)
33066	CadSNP8661	<i>Desi</i>	Ca_Desig_Scaffold00778	76771	(C/T)
33067	CadSNP8662	<i>Desi</i>	Ca_Desig_Scaffold00778	76792	(G/A)
33068	CadSNP8663	<i>Desi</i>	Ca_Desig_Scaffold00779	77199	(T/C)
33069	CadSNP8664	<i>Desi</i>	Ca_Desig_Scaffold00782	33500	(A/C)
33070	CadSNP8665	<i>Desi</i>	Ca_Desig_Scaffold00782	58151	(T/C)
33071	CadSNP8666	<i>Desi</i>	Ca_Desig_Scaffold00782	63762	(A/C)
33072	CadSNP8667	<i>Desi</i>	Ca_Desig_Scaffold00782	63784	(A/G)
33073	CadSNP8668	<i>Desi</i>	Ca_Desig_Scaffold00782	63807	(T/C)
33074	CadSNP8669	<i>Desi</i>	Ca_Desig_Scaffold00782	63827	(A/G)
33075	CadSNP8670	<i>Desi</i>	Ca_Desig_Scaffold00782	76565	(C/T)
33076	CadSNP8671	<i>Desi</i>	Ca_Desig_Scaffold00787	47271	(T/G)
33077	CadSNP8672	<i>Desi</i>	Ca_Desig_Scaffold00787	47390	(C/T)
33078	CadSNP8673	<i>Desi</i>	Ca_Desig_Scaffold00787	47385	(C/A)
33079	CadSNP8674	<i>Desi</i>	Ca_Desig_Scaffold00787	65601	(A/C)
33080	CadSNP8675	<i>Desi</i>	Ca_Desig_Scaffold00787	65602	(G/T)
33081	CadSNP8676	<i>Desi</i>	Ca_Desig_Scaffold00788	72830	(C/A)
33082	CadSNP8677	<i>Desi</i>	Ca_Desig_Scaffold00788	74672	(G/A)
33083	CadSNP8678	<i>Desi</i>	Ca_Desig_Scaffold00788	76038	(C/T)
33084	CadSNP8679	<i>Desi</i>	Ca_Desig_Scaffold00788	76093	(G/A)
33085	CadSNP8680	<i>Desi</i>	Ca_Desig_Scaffold00789	38124	(C/T)
33086	CadSNP8681	<i>Desi</i>	Ca_Desig_Scaffold00789	38232	(G/A)
33087	CadSNP8682	<i>Desi</i>	Ca_Desig_Scaffold00789	39722	(A/T)
33088	CadSNP8683	<i>Desi</i>	Ca_Desig_Scaffold00789	40959	(A/G)
33089	CadSNP8684	<i>Desi</i>	Ca_Desig_Scaffold00789	40948	(A/G)
33090	CadSNP8685	<i>Desi</i>	Ca_Desig_Scaffold00789	42161	(C/A)
33091	CadSNP8686	<i>Desi</i>	Ca_Desig_Scaffold00789	88426	(C/G)
33092	CadSNP8687	<i>Desi</i>	Ca_Desig_Scaffold00789	88557	(T/G)
33093	CadSNP8688	<i>Desi</i>	Ca_Desig_Scaffold00789	89029	(A/G)
33094	CadSNP8689	<i>Desi</i>	Ca_Desig_Scaffold00789	113634	(G/C)
33095	CadSNP8690	<i>Desi</i>	Ca_Desig_Scaffold00789	113665	(A/T)
33096	CadSNP8691	<i>Desi</i>	Ca_Desig_Scaffold00790	75293	(C/G)
33097	CadSNP8692	<i>Desi</i>	Ca_Desig_Scaffold00790	75382	(G/A)

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33098	CadSNP8693	<i>Desi</i>	Ca_Desig_Scaffold00790	75418	(A/G)
33099	CadSNP8694	<i>Desi</i>	Ca_Desig_Scaffold00790	75438	(T/A)
33100	CadSNP8695	<i>Desi</i>	Ca_Desig_Scaffold00790	75574	(G/A)
33101	CadSNP8696	<i>Desi</i>	Ca_Desig_Scaffold00791	25560	(T/A)
33102	CadSNP8697	<i>Desi</i>	Ca_Desig_Scaffold00791	34300	(T/C)
33103	CadSNP8698	<i>Desi</i>	Ca_Desig_Scaffold00792	11129	(G/A)
33104	CadSNP8699	<i>Desi</i>	Ca_Desig_Scaffold00792	11139	(G/A)
33105	CadSNP8700	<i>Desi</i>	Ca_Desig_Scaffold00792	11169	(A/T)
33106	CadSNP8701	<i>Desi</i>	Ca_Desig_Scaffold00792	11188	(G/C)
33107	CadSNP8702	<i>Desi</i>	Ca_Desig_Scaffold00792	11199	(G/A)
33108	CadSNP8703	<i>Desi</i>	Ca_Desig_Scaffold00792	33165	(A/T)
33109	CadSNP8704	<i>Desi</i>	Ca_Desig_Scaffold00792	33172	(T/A)
33110	CadSNP8705	<i>Desi</i>	Ca_Desig_Scaffold00794	20636	(G/A)
33111	CadSNP8706	<i>Desi</i>	Ca_Desig_Scaffold00795	14940	(T/C)
33112	CadSNP8707	<i>Desi</i>	Ca_Desig_Scaffold00795	15151	(C/G)
33113	CadSNP8708	<i>Desi</i>	Ca_Desig_Scaffold00795	15168	(G/A)
33114	CadSNP8709	<i>Desi</i>	Ca_Desig_Scaffold00795	15181	(T/C)
33115	CadSNP8710	<i>Desi</i>	Ca_Desig_Scaffold00795	15212	(T/A)
33116	CadSNP8711	<i>Desi</i>	Ca_Desig_Scaffold00795	15272	(G/T)
33117	CadSNP8712	<i>Desi</i>	Ca_Desig_Scaffold00795	15252	(C/T)
33118	CadSNP8713	<i>Desi</i>	Ca_Desig_Scaffold00795	70892	(C/T)
33119	CadSNP8714	<i>Desi</i>	Ca_Desig_Scaffold00795	70978	(G/C)
33120	CadSNP8715	<i>Desi</i>	Ca_Desig_Scaffold00795	90453	(A/G)
33121	CadSNP8716	<i>Desi</i>	Ca_Desig_Scaffold00797	21608	(G/A)
33122	CadSNP8717	<i>Desi</i>	Ca_Desig_Scaffold00797	28341	(T/C)
33123	CadSNP8718	<i>Desi</i>	Ca_Desig_Scaffold00797	97076	(C/T)
33124	CadSNP8719	<i>Desi</i>	Ca_Desig_Scaffold00797	97106	(A/T)
33125	CadSNP8720	<i>Desi</i>	Ca_Desig_Scaffold00797	99267	(A/G)
33126	CadSNP8721	<i>Desi</i>	Ca_Desig_Scaffold00798	26164	(A/G)
33127	CadSNP8722	<i>Desi</i>	Ca_Desig_Scaffold00798	44811	(A/C)
33128	CadSNP8723	<i>Desi</i>	Ca_Desig_Scaffold00801	6081	(T/G)
33129	CadSNP8724	<i>Desi</i>	Ca_Desig_Scaffold00801	6286	(G/A)
33130	CadSNP8725	<i>Desi</i>	Ca_Desig_Scaffold00801	6420	(G/C)
33131	CadSNP8726	<i>Desi</i>	Ca_Desig_Scaffold00801	10575	(A/C)
33132	CadSNP8727	<i>Desi</i>	Ca_Desig_Scaffold00801	13731	(G/A)
33133	CadSNP8728	<i>Desi</i>	Ca_Desig_Scaffold00801	74341	(A/C)
33134	CadSNP8729	<i>Desi</i>	Ca_Desig_Scaffold00801	74354	(A/T)
33135	CadSNP8730	<i>Desi</i>	Ca_Desig_Scaffold00801	74436	(A/C)

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33136	CadSNP8731	<i>Desi</i>	Ca_Desig_Scaffold00801	75310	(C/T)
33137	CadSNP8732	<i>Desi</i>	Ca_Desig_Scaffold00804	105551	(C/T)
33138	CadSNP8733	<i>Desi</i>	Ca_Desig_Scaffold00806	48657	(G/C)
33139	CadSNP8734	<i>Desi</i>	Ca_Desig_Scaffold00806	62201	(G/C)
33140	CadSNP8735	<i>Desi</i>	Ca_Desig_Scaffold00806	62392	(C/A)
33141	CadSNP8736	<i>Desi</i>	Ca_Desig_Scaffold00806	62350	(C/T)
33142	CadSNP8737	<i>Desi</i>	Ca_Desig_Scaffold00806	62454	(A/T)
33143	CadSNP8738	<i>Desi</i>	Ca_Desig_Scaffold00806	62462	(A/T)
33144	CadSNP8739	<i>Desi</i>	Ca_Desig_Scaffold00806	62463	(G/A)
33145	CadSNP8740	<i>Desi</i>	Ca_Desig_Scaffold00806	62479	(A/G)
33146	CadSNP8741	<i>Desi</i>	Ca_Desig_Scaffold00806	62480	(T/C)
33147	CadSNP8742	<i>Desi</i>	Ca_Desig_Scaffold00806	62486	(T/C)
33148	CadSNP8743	<i>Desi</i>	Ca_Desig_Scaffold00806	62488	(C/T)
33149	CadSNP8744	<i>Desi</i>	Ca_Desig_Scaffold00806	67314	(C/T)
33150	CadSNP8745	<i>Desi</i>	Ca_Desig_Scaffold00806	67542	(G/C)
33151	CadSNP8746	<i>Desi</i>	Ca_Desig_Scaffold00806	71219	(C/G)
33152	CadSNP8747	<i>Desi</i>	Ca_Desig_Scaffold00806	74434	(C/A)
33153	CadSNP8748	<i>Desi</i>	Ca_Desig_Scaffold00806	95130	(C/T)
33154	CadSNP8749	<i>Desi</i>	Ca_Desig_Scaffold00806	95148	(A/G)
33155	CadSNP8750	<i>Desi</i>	Ca_Desig_Scaffold00806	95154	(T/C)
33156	CadSNP8751	<i>Desi</i>	Ca_Desig_Scaffold00806	95182	(G/T)
33157	CadSNP8752	<i>Desi</i>	Ca_Desig_Scaffold00806	95306	(A/G)
33158	CadSNP8753	<i>Desi</i>	Ca_Desig_Scaffold00806	95341	(A/G)
33159	CadSNP8754	<i>Desi</i>	Ca_Desig_Scaffold00806	95344	(A/C)
33160	CadSNP8755	<i>Desi</i>	Ca_Desig_Scaffold00806	95345	(A/G)
33161	CadSNP8756	<i>Desi</i>	Ca_Desig_Scaffold00806	105451	(C/T)
33162	CadSNP8757	<i>Desi</i>	Ca_Desig_Scaffold00807	42801	(C/T)
33163	CadSNP8758	<i>Desi</i>	Ca_Desig_Scaffold00807	42841	(G/C)
33164	CadSNP8759	<i>Desi</i>	Ca_Desig_Scaffold00807	42847	(C/T)
33165	CadSNP8760	<i>Desi</i>	Ca_Desig_Scaffold00807	42855	(G/A)
33166	CadSNP8761	<i>Desi</i>	Ca_Desig_Scaffold00807	42971	(C/A)
33167	CadSNP8762	<i>Desi</i>	Ca_Desig_Scaffold00807	42924	(G/A)
33168	CadSNP8763	<i>Desi</i>	Ca_Desig_Scaffold00809	37929	(T/G)
33169	CadSNP8764	<i>Desi</i>	Ca_Desig_Scaffold00809	38038	(C/G)
33170	CadSNP8765	<i>Desi</i>	Ca_Desig_Scaffold00810	78334	(G/A)
33171	CadSNP8766	<i>Desi</i>	Ca_Desig_Scaffold00810	78384	(A/G)
33172	CadSNP8767	<i>Desi</i>	Ca_Desig_Scaffold00810	78396	(A/G)
33173	CadSNP8768	<i>Desi</i>	Ca_Desig_Scaffold00810	78402	(T/G)

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33174	CadSNP8769	<i>Desi</i>	Ca_Desig_Scaffold00812	52	(T/A)
33175	CadSNP8770	<i>Desi</i>	Ca_Desig_Scaffold00812	68	(C/T)
33176	CadSNP8771	<i>Desi</i>	Ca_Desig_Scaffold00812	50762	(T/C)
33177	CadSNP8772	<i>Desi</i>	Ca_Desig_Scaffold00813	53524	(G/T)
33178	CadSNP8773	<i>Desi</i>	Ca_Desig_Scaffold00815	16757	(C/T)
33179	CadSNP8774	<i>Desi</i>	Ca_Desig_Scaffold00815	17958	(G/T)
33180	CadSNP8775	<i>Desi</i>	Ca_Desig_Scaffold00815	17959	(A/T)
33181	CadSNP8776	<i>Desi</i>	Ca_Desig_Scaffold00815	17964	(C/T)
33182	CadSNP8777	<i>Desi</i>	Ca_Desig_Scaffold00815	18000	(G/T)
33183	CadSNP8778	<i>Desi</i>	Ca_Desig_Scaffold00815	18055	(T/C)
33184	CadSNP8779	<i>Desi</i>	Ca_Desig_Scaffold00815	18126	(A/G)
33185	CadSNP8780	<i>Desi</i>	Ca_Desig_Scaffold00815	18258	(C/T)
33186	CadSNP8781	<i>Desi</i>	Ca_Desig_Scaffold00815	18315	(G/C)
33187	CadSNP8782	<i>Desi</i>	Ca_Desig_Scaffold00815	36265	(T/G)
33188	CadSNP8783	<i>Desi</i>	Ca_Desig_Scaffold00815	38035	(T/G)
33189	CadSNP8784	<i>Desi</i>	Ca_Desig_Scaffold00815	38235	(A/G)
33190	CadSNP8785	<i>Desi</i>	Ca_Desig_Scaffold00815	62723	(T/C)
33191	CadSNP8786	<i>Desi</i>	Ca_Desig_Scaffold00815	113183	(G/A)
33192	CadSNP8787	<i>Desi</i>	Ca_Desig_Scaffold00816	59509	(G/C)
33193	CadSNP8788	<i>Desi</i>	Ca_Desig_Scaffold00816	59515	(G/A)
33194	CadSNP8789	<i>Desi</i>	Ca_Desig_Scaffold00816	59504	(A/C)
33195	CadSNP8790	<i>Desi</i>	Ca_Desig_Scaffold00816	59627	(A/C)
33196	CadSNP8791	<i>Desi</i>	Ca_Desig_Scaffold00816	59621	(G/A)
33197	CadSNP8792	<i>Desi</i>	Ca_Desig_Scaffold00816	59575	(C/T)
33198	CadSNP8793	<i>Desi</i>	Ca_Desig_Scaffold00822	62873	(G/C)
33199	CadSNP8794	<i>Desi</i>	Ca_Desig_Scaffold00822	73732	(C/A)
33200	CadSNP8795	<i>Desi</i>	Ca_Desig_Scaffold00822	81269	(G/A)
33201	CadSNP8796	<i>Desi</i>	Ca_Desig_Scaffold00822	81233	(C/A)
33202	CadSNP8797	<i>Desi</i>	Ca_Desig_Scaffold00822	81230	(T/C)
33203	CadSNP8798	<i>Desi</i>	Ca_Desig_Scaffold00822	81326	(C/A)
33204	CadSNP8799	<i>Desi</i>	Ca_Desig_Scaffold00822	81469	(C/G)
33205	CadSNP8800	<i>Desi</i>	Ca_Desig_Scaffold00822	81446	(T/C)
33206	CadSNP8801	<i>Desi</i>	Ca_Desig_Scaffold00822	85207	(T/A)
33207	CadSNP8802	<i>Desi</i>	Ca_Desig_Scaffold00822	85212	(A/G)
33208	CadSNP8803	<i>Desi</i>	Ca_Desig_Scaffold00823	21894	(C/T)
33209	CadSNP8804	<i>Desi</i>	Ca_Desig_Scaffold00823	22000	(G/C)
33210	CadSNP8805	<i>Desi</i>	Ca_Desig_Scaffold00823	22609	(T/C)
33211	CadSNP8806	<i>Desi</i>	Ca_Desig_Scaffold00823	86703	(G/A)

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33212	CadSNP8807	<i>Desi</i>	Ca_Desig_Scaffold00824	42501	(C/T)
33213	CadSNP8808	<i>Desi</i>	Ca_Desig_Scaffold00824	44982	(A/G)
33214	CadSNP8809	<i>Desi</i>	Ca_Desig_Scaffold00824	45017	(C/T)
33215	CadSNP8810	<i>Desi</i>	Ca_Desig_Scaffold00824	45042	(G/A)
33216	CadSNP8811	<i>Desi</i>	Ca_Desig_Scaffold00824	70517	(T/C)
33217	CadSNP8812	<i>Desi</i>	Ca_Desig_Scaffold00824	70484	(G/A)
33218	CadSNP8813	<i>Desi</i>	Ca_Desig_Scaffold00824	70457	(T/C)
33219	CadSNP8814	<i>Desi</i>	Ca_Desig_Scaffold00824	70454	(T/C)
33220	CadSNP8815	<i>Desi</i>	Ca_Desig_Scaffold00825	56268	(T/A)
33221	CadSNP8816	<i>Desi</i>	Ca_Desig_Scaffold00826	95399	(T/C)
33222	CadSNP8817	<i>Desi</i>	Ca_Desig_Scaffold00829	10036	(G/T)
33223	CadSNP8818	<i>Desi</i>	Ca_Desig_Scaffold00829	10077	(T/G)
33224	CadSNP8819	<i>Desi</i>	Ca_Desig_Scaffold00829	10080	(T/G)
33225	CadSNP8820	<i>Desi</i>	Ca_Desig_Scaffold00829	10101	(T/G)
33226	CadSNP8821	<i>Desi</i>	Ca_Desig_Scaffold00829	60336	(G/C)
33227	CadSNP8822	<i>Desi</i>	Ca_Desig_Scaffold00829	60342	(A/G)
33228	CadSNP8823	<i>Desi</i>	Ca_Desig_Scaffold00829	60462	(T/C)
33229	CadSNP8824	<i>Desi</i>	Ca_Desig_Scaffold00829	60409	(A/C)
33230	CadSNP8825	<i>Desi</i>	Ca_Desig_Scaffold00833	15499	(T/C)
33231	CadSNP8826	<i>Desi</i>	Ca_Desig_Scaffold00833	26283	(A/T)
33232	CadSNP8827	<i>Desi</i>	Ca_Desig_Scaffold00833	26293	(G/T)
33233	CadSNP8828	<i>Desi</i>	Ca_Desig_Scaffold00833	26295	(A/T)
33234	CadSNP8829	<i>Desi</i>	Ca_Desig_Scaffold00833	26296	(A/G)
33235	CadSNP8830	<i>Desi</i>	Ca_Desig_Scaffold00833	26294	(G/C)
33236	CadSNP8831	<i>Desi</i>	Ca_Desig_Scaffold00833	28822	(A/G)
33237	CadSNP8832	<i>Desi</i>	Ca_Desig_Scaffold00833	84456	(G/A)
33238	CadSNP8833	<i>Desi</i>	Ca_Desig_Scaffold00833	97304	(C/A)
33239	CadSNP8834	<i>Desi</i>	Ca_Desig_Scaffold00835	11978	(C/T)
33240	CadSNP8835	<i>Desi</i>	Ca_Desig_Scaffold00835	34567	(C/A)
33241	CadSNP8836	<i>Desi</i>	Ca_Desig_Scaffold00835	42197	(T/G)
33242	CadSNP8837	<i>Desi</i>	Ca_Desig_Scaffold00835	62492	(T/C)
33243	CadSNP8838	<i>Desi</i>	Ca_Desig_Scaffold00835	64423	(T/A)
33244	CadSNP8839	<i>Desi</i>	Ca_Desig_Scaffold00835	64464	(T/G)
33245	CadSNP8840	<i>Desi</i>	Ca_Desig_Scaffold00835	64536	(A/T)
33246	CadSNP8841	<i>Desi</i>	Ca_Desig_Scaffold00837	67346	(T/A)
33247	CadSNP8842	<i>Desi</i>	Ca_Desig_Scaffold00837	67366	(A/C)
33248	CadSNP8843	<i>Desi</i>	Ca_Desig_Scaffold00837	92981	(G/A)
33249	CadSNP8844	<i>Desi</i>	Ca_Desig_Scaffold00837	108493	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33250	CadSNP8845	<i>Desi</i>	Ca_Desig_Scaffold00837	108510	(C/A)
33251	CadSNP8846	<i>Desi</i>	Ca_Desig_Scaffold00840	35183	(A/T)
33252	CadSNP8847	<i>Desi</i>	Ca_Desig_Scaffold00840	86675	(T/A)
33253	CadSNP8848	<i>Desi</i>	Ca_Desig_Scaffold00844	11245	(A/C)
33254	CadSNP8849	<i>Desi</i>	Ca_Desig_Scaffold00844	100268	(A/G)
33255	CadSNP8850	<i>Desi</i>	Ca_Desig_Scaffold00844	100250	(T/C)
33256	CadSNP8851	<i>Desi</i>	Ca_Desig_Scaffold00850	19019	(G/T)
33257	CadSNP8852	<i>Desi</i>	Ca_Desig_Scaffold00850	19190	(A/G)
33258	CadSNP8853	<i>Desi</i>	Ca_Desig_Scaffold00850	19871	(C/T)
33259	CadSNP8854	<i>Desi</i>	Ca_Desig_Scaffold00850	19943	(A/G)
33260	CadSNP8855	<i>Desi</i>	Ca_Desig_Scaffold00850	41792	(A/G)
33261	CadSNP8856	<i>Desi</i>	Ca_Desig_Scaffold00850	41841	(A/T)
33262	CadSNP8857	<i>Desi</i>	Ca_Desig_Scaffold00850	86737	(T/C)
33263	CadSNP8858	<i>Desi</i>	Ca_Desig_Scaffold00850	87375	(C/G)
33264	CadSNP8859	<i>Desi</i>	Ca_Desig_Scaffold00850	91040	(A/G)
33265	CadSNP8860	<i>Desi</i>	Ca_Desig_Scaffold00851	30681	(T/G)
33266	CadSNP8861	<i>Desi</i>	Ca_Desig_Scaffold00851	33030	(G/A)
33267	CadSNP8862	<i>Desi</i>	Ca_Desig_Scaffold00851	40192	(C/T)
33268	CadSNP8863	<i>Desi</i>	Ca_Desig_Scaffold00851	40390	(T/C)
33269	CadSNP8864	<i>Desi</i>	Ca_Desig_Scaffold00851	40459	(G/A)
33270	CadSNP8865	<i>Desi</i>	Ca_Desig_Scaffold00851	75585	(T/C)
33271	CadSNP8866	<i>Desi</i>	Ca_Desig_Scaffold00851	77221	(G/T)
33272	CadSNP8867	<i>Desi</i>	Ca_Desig_Scaffold00851	77506	(T/C)
33273	CadSNP8868	<i>Desi</i>	Ca_Desig_Scaffold00851	77725	(A/G)
33274	CadSNP8869	<i>Desi</i>	Ca_Desig_Scaffold00852	10176	(T/C)
33275	CadSNP8870	<i>Desi</i>	Ca_Desig_Scaffold00852	10329	(G/A)
33276	CadSNP8871	<i>Desi</i>	Ca_Desig_Scaffold00852	10310	(G/A)
33277	CadSNP8872	<i>Desi</i>	Ca_Desig_Scaffold00852	10278	(T/C)
33278	CadSNP8873	<i>Desi</i>	Ca_Desig_Scaffold00852	19390	(T/C)
33279	CadSNP8874	<i>Desi</i>	Ca_Desig_Scaffold00852	19387	(G/A)
33280	CadSNP8875	<i>Desi</i>	Ca_Desig_Scaffold00852	31617	(A/T)
33281	CadSNP8876	<i>Desi</i>	Ca_Desig_Scaffold00852	80758	(A/C)
33282	CadSNP8877	<i>Desi</i>	Ca_Desig_Scaffold00852	83921	(C/A)
33283	CadSNP8878	<i>Desi</i>	Ca_Desig_Scaffold00853	21869	(C/A)
33284	CadSNP8879	<i>Desi</i>	Ca_Desig_Scaffold00853	21891	(A/G)
33285	CadSNP8880	<i>Desi</i>	Ca_Desig_Scaffold00854	32748	(A/C)
33286	CadSNP8881	<i>Desi</i>	Ca_Desig_Scaffold00854	32759	(C/T)
33287	CadSNP8882	<i>Desi</i>	Ca_Desig_Scaffold00854	32840	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33288	CadSNP8883	<i>Desi</i>	Ca_Desig_Scaffold00854	32837	(A/G)
33289	CadSNP8884	<i>Desi</i>	Ca_Desig_Scaffold00854	32828	(A/G)
33290	CadSNP8885	<i>Desi</i>	Ca_Desig_Scaffold00854	32809	(G/T)
33291	CadSNP8886	<i>Desi</i>	Ca_Desig_Scaffold00854	32794	(C/G)
33292	CadSNP8887	<i>Desi</i>	Ca_Desig_Scaffold00854	59914	(A/C)
33293	CadSNP8888	<i>Desi</i>	Ca_Desig_Scaffold00854	64234	(T/G)
33294	CadSNP8889	<i>Desi</i>	Ca_Desig_Scaffold00854	64434	(G/C)
33295	CadSNP8890	<i>Desi</i>	Ca_Desig_Scaffold00854	77020	(T/C)
33296	CadSNP8891	<i>Desi</i>	Ca_Desig_Scaffold00859	11251	(A/G)
33297	CadSNP8892	<i>Desi</i>	Ca_Desig_Scaffold00859	11293	(A/G)
33298	CadSNP8893	<i>Desi</i>	Ca_Desig_Scaffold00859	34386	(A/T)
33299	CadSNP8894	<i>Desi</i>	Ca_Desig_Scaffold00859	34583	(T/C)
33300	CadSNP8895	<i>Desi</i>	Ca_Desig_Scaffold00859	72145	(T/G)
33301	CadSNP8896	<i>Desi</i>	Ca_Desig_Scaffold00861	76222	(G/T)
33302	CadSNP8897	<i>Desi</i>	Ca_Desig_Scaffold00861	76237	(C/T)
33303	CadSNP8898	<i>Desi</i>	Ca_Desig_Scaffold00861	76234	(A/C)
33304	CadSNP8899	<i>Desi</i>	Ca_Desig_Scaffold00865	157579	(T/G)
33305	CadSNP8900	<i>Desi</i>	Ca_Desig_Scaffold00870	29921	(C/T)
33306	CadSNP8901	<i>Desi</i>	Ca_Desig_Scaffold00870	89893	(A/C)
33307	CadSNP8902	<i>Desi</i>	Ca_Desig_Scaffold00872	14583	(A/G)
33308	CadSNP8903	<i>Desi</i>	Ca_Desig_Scaffold00872	14618	(C/T)
33309	CadSNP8904	<i>Desi</i>	Ca_Desig_Scaffold00872	14648	(A/G)
33310	CadSNP8905	<i>Desi</i>	Ca_Desig_Scaffold00872	14681	(T/C)
33311	CadSNP8906	<i>Desi</i>	Ca_Desig_Scaffold00872	14893	(A/C)
33312	CadSNP8907	<i>Desi</i>	Ca_Desig_Scaffold00872	44551	(C/A)
33313	CadSNP8908	<i>Desi</i>	Ca_Desig_Scaffold00872	44630	(T/A)
33314	CadSNP8909	<i>Desi</i>	Ca_Desig_Scaffold00872	86332	(C/T)
33315	CadSNP8910	<i>Desi</i>	Ca_Desig_Scaffold00875	28744	(G/C)
33316	CadSNP8911	<i>Desi</i>	Ca_Desig_Scaffold00876	92274	(C/G)
33317	CadSNP8912	<i>Desi</i>	Ca_Desig_Scaffold00876	93595	(A/G)
33318	CadSNP8913	<i>Desi</i>	Ca_Desig_Scaffold00877	114395	(T/A)
33319	CadSNP8914	<i>Desi</i>	Ca_Desig_Scaffold00877	115771	(C/T)
33320	CadSNP8915	<i>Desi</i>	Ca_Desig_Scaffold00877	212658	(A/C)
33321	CadSNP8916	<i>Desi</i>	Ca_Desig_Scaffold00879	25034	(T/A)
33322	CadSNP8917	<i>Desi</i>	Ca_Desig_Scaffold00879	54322	(A/C)
33323	CadSNP8918	<i>Desi</i>	Ca_Desig_Scaffold00879	54585	(T/C)
33324	CadSNP8919	<i>Desi</i>	Ca_Desig_Scaffold00879	55971	(C/A)
33325	CadSNP8920	<i>Desi</i>	Ca_Desig_Scaffold00879	55928	(A/G)

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33326	CadSNP8921	<i>Desi</i>	Ca_Desig_Scaffold00879	55922	(T/G)
33327	CadSNP8922	<i>Desi</i>	Ca_Desig_Scaffold00879	56132	(A/C)
33328	CadSNP8923	<i>Desi</i>	Ca_Desig_Scaffold00881	35493	(T/G)
33329	CadSNP8924	<i>Desi</i>	Ca_Desig_Scaffold00881	35540	(C/A)
33330	CadSNP8925	<i>Desi</i>	Ca_Desig_Scaffold00881	40024	(C/A)
33331	CadSNP8926	<i>Desi</i>	Ca_Desig_Scaffold00881	40025	(G/A)
33332	CadSNP8927	<i>Desi</i>	Ca_Desig_Scaffold00881	40027	(A/C)
33333	CadSNP8928	<i>Desi</i>	Ca_Desig_Scaffold00883	52495	(T/G)
33334	CadSNP8929	<i>Desi</i>	Ca_Desig_Scaffold00883	52517	(G/A)
33335	CadSNP8930	<i>Desi</i>	Ca_Desig_Scaffold00883	53397	(T/G)
33336	CadSNP8931	<i>Desi</i>	Ca_Desig_Scaffold00885	7126	(A/T)
33337	CadSNP8932	<i>Desi</i>	Ca_Desig_Scaffold00885	7180	(A/G)
33338	CadSNP8933	<i>Desi</i>	Ca_Desig_Scaffold00885	7925	(G/A)
33339	CadSNP8934	<i>Desi</i>	Ca_Desig_Scaffold00885	36964	(A/G)
33340	CadSNP8935	<i>Desi</i>	Ca_Desig_Scaffold00885	37042	(T/C)
33341	CadSNP8936	<i>Desi</i>	Ca_Desig_Scaffold00885	37055	(G/C)
33342	CadSNP8937	<i>Desi</i>	Ca_Desig_Scaffold00885	53698	(T/G)
33343	CadSNP8938	<i>Desi</i>	Ca_Desig_Scaffold00885	53697	(G/T)
33344	CadSNP8939	<i>Desi</i>	Ca_Desig_Scaffold00885	84984	(A/G)
33345	CadSNP8940	<i>Desi</i>	Ca_Desig_Scaffold00885	98686	(A/G)
33346	CadSNP8941	<i>Desi</i>	Ca_Desig_Scaffold00885	98669	(T/C)
33347	CadSNP8942	<i>Desi</i>	Ca_Desig_Scaffold00893	478	(T/C)
33348	CadSNP8943	<i>Desi</i>	Ca_Desig_Scaffold00893	32005	(T/G)
33349	CadSNP8944	<i>Desi</i>	Ca_Desig_Scaffold00893	50541	(C/A)
33350	CadSNP8945	<i>Desi</i>	Ca_Desig_Scaffold00893	64832	(C/T)
33351	CadSNP8946	<i>Desi</i>	Ca_Desig_Scaffold00893	79725	(T/C)
33352	CadSNP8947	<i>Desi</i>	Ca_Desig_Scaffold00897	37672	(T/C)
33353	CadSNP8948	<i>Desi</i>	Ca_Desig_Scaffold00897	37719	(C/T)
33354	CadSNP8949	<i>Desi</i>	Ca_Desig_Scaffold00897	38164	(T/G)
33355	CadSNP8950	<i>Desi</i>	Ca_Desig_Scaffold00897	38237	(C/A)
33356	CadSNP8951	<i>Desi</i>	Ca_Desig_Scaffold00897	95906	(G/A)
33357	CadSNP8952	<i>Desi</i>	Ca_Desig_Scaffold00897	95933	(G/A)
33358	CadSNP8953	<i>Desi</i>	Ca_Desig_Scaffold00897	95969	(G/A)
33359	CadSNP8954	<i>Desi</i>	Ca_Desig_Scaffold00897	96041	(T/G)
33360	CadSNP8955	<i>Desi</i>	Ca_Desig_Scaffold00898	106083	(C/T)
33361	CadSNP8956	<i>Desi</i>	Ca_Desig_Scaffold00899	60593	(A/C)
33362	CadSNP8957	<i>Desi</i>	Ca_Desig_Scaffold00899	60789	(C/T)
33363	CadSNP8958	<i>Desi</i>	Ca_Desig_Scaffold00899	63307	(A/T)

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33364	CadSNP8959	<i>Desi</i>	Ca_Desig_Scaffold00899	63554	(A/G)
33365	CadSNP8960	<i>Desi</i>	Ca_Desig_Scaffold00899	64433	(A/T)
33366	CadSNP8961	<i>Desi</i>	Ca_Desig_Scaffold00900	17576	(A/T)
33367	CadSNP8962	<i>Desi</i>	Ca_Desig_Scaffold00900	26260	(A/C)
33368	CadSNP8963	<i>Desi</i>	Ca_Desig_Scaffold00902	18429	(A/T)
33369	CadSNP8964	<i>Desi</i>	Ca_Desig_Scaffold00902	105669	(C/A)
33370	CadSNP8965	<i>Desi</i>	Ca_Desig_Scaffold00902	105600	(A/G)
33371	CadSNP8966	<i>Desi</i>	Ca_Desig_Scaffold00903	78195	(G/T)
33372	CadSNP8967	<i>Desi</i>	Ca_Desig_Scaffold00903	84082	(T/C)
33373	CadSNP8968	<i>Desi</i>	Ca_Desig_Scaffold00903	84202	(T/C)
33374	CadSNP8969	<i>Desi</i>	Ca_Desig_Scaffold00906	26212	(C/T)
33375	CadSNP8970	<i>Desi</i>	Ca_Desig_Scaffold00906	86997	(G/A)
33376	CadSNP8971	<i>Desi</i>	Ca_Desig_Scaffold00906	87031	(A/T)
33377	CadSNP8972	<i>Desi</i>	Ca_Desig_Scaffold00906	87099	(G/C)
33378	CadSNP8973	<i>Desi</i>	Ca_Desig_Scaffold00906	88870	(T/C)
33379	CadSNP8974	<i>Desi</i>	Ca_Desig_Scaffold00906	91967	(C/A)
33380	CadSNP8975	<i>Desi</i>	Ca_Desig_Scaffold00906	92014	(G/A)
33381	CadSNP8976	<i>Desi</i>	Ca_Desig_Scaffold00906	92027	(A/C)
33382	CadSNP8977	<i>Desi</i>	Ca_Desig_Scaffold00906	98214	(C/T)
33383	CadSNP8978	<i>Desi</i>	Ca_Desig_Scaffold00906	98216	(G/A)
33384	CadSNP8979	<i>Desi</i>	Ca_Desig_Scaffold00906	98443	(T/C)
33385	CadSNP8980	<i>Desi</i>	Ca_Desig_Scaffold00906	98420	(C/T)
33386	CadSNP8981	<i>Desi</i>	Ca_Desig_Scaffold00906	98372	(T/C)
33387	CadSNP8982	<i>Desi</i>	Ca_Desig_Scaffold00907	16679	(A/G)
33388	CadSNP8983	<i>Desi</i>	Ca_Desig_Scaffold00907	124746	(T/A)
33389	CadSNP8984	<i>Desi</i>	Ca_Desig_Scaffold00907	205802	(A/C)
33390	CadSNP8985	<i>Desi</i>	Ca_Desig_Scaffold00908	12759	(C/G)
33391	CadSNP8986	<i>Desi</i>	Ca_Desig_Scaffold00908	15897	(G/A)
33392	CadSNP8987	<i>Desi</i>	Ca_Desig_Scaffold00908	15880	(A/C)
33393	CadSNP8988	<i>Desi</i>	Ca_Desig_Scaffold00908	218675	(G/A)
33394	CadSNP8989	<i>Desi</i>	Ca_Desig_Scaffold00908	218629	(G/A)
33395	CadSNP8990	<i>Desi</i>	Ca_Desig_Scaffold00912	82555	(C/A)
33396	CadSNP8991	<i>Desi</i>	Ca_Desig_Scaffold00912	101079	(A/T)
33397	CadSNP8992	<i>Desi</i>	Ca_Desig_Scaffold00912	158759	(G/C)
33398	CadSNP8993	<i>Desi</i>	Ca_Desig_Scaffold00912	158856	(C/T)
33399	CadSNP8994	<i>Desi</i>	Ca_Desig_Scaffold00916	15580	(C/G)
33400	CadSNP8995	<i>Desi</i>	Ca_Desig_Scaffold00916	15697	(C/G)
33401	CadSNP8996	<i>Desi</i>	Ca_Desig_Scaffold00916	16238	(C/T)

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33402	CadSNP8997	<i>Desi</i>	Ca_Desig_Scaffold00916	16392	(C/T)
33403	CadSNP8998	<i>Desi</i>	Ca_Desig_Scaffold00916	17523	(G/T)
33404	CadSNP8999	<i>Desi</i>	Ca_Desig_Scaffold00916	24429	(A/G)
33405	CadSNP9000	<i>Desi</i>	Ca_Desig_Scaffold00916	24459	(G/T)
33406	CadSNP9001	<i>Desi</i>	Ca_Desig_Scaffold00917	66262	(C/T)
33407	CadSNP9002	<i>Desi</i>	Ca_Desig_Scaffold00917	66261	(T/C)
33408	CadSNP9003	<i>Desi</i>	Ca_Desig_Scaffold00919	53262	(C/T)
33409	CadSNP9004	<i>Desi</i>	Ca_Desig_Scaffold00922	5408	(C/A)
33410	CadSNP9005	<i>Desi</i>	Ca_Desig_Scaffold00922	5409	(T/C)
33411	CadSNP9006	<i>Desi</i>	Ca_Desig_Scaffold00922	5410	(G/C)
33412	CadSNP9007	<i>Desi</i>	Ca_Desig_Scaffold00922	9662	(G/A)
33413	CadSNP9008	<i>Desi</i>	Ca_Desig_Scaffold00922	82183	(T/G)
33414	CadSNP9009	<i>Desi</i>	Ca_Desig_Scaffold00922	82209	(T/G)
33415	CadSNP9010	<i>Desi</i>	Ca_Desig_Scaffold00923	44581	(C/A)
33416	CadSNP9011	<i>Desi</i>	Ca_Desig_Scaffold00924	51231	(C/G)
33417	CadSNP9012	<i>Desi</i>	Ca_Desig_Scaffold00924	85877	(C/T)
33418	CadSNP9013	<i>Desi</i>	Ca_Desig_Scaffold00924	85867	(A/C)
33419	CadSNP9014	<i>Desi</i>	Ca_Desig_Scaffold00924	85859	(A/C)
33420	CadSNP9015	<i>Desi</i>	Ca_Desig_Scaffold00924	86093	(A/C)
33421	CadSNP9016	<i>Desi</i>	Ca_Desig_Scaffold00925	3693	(C/T)
33422	CadSNP9017	<i>Desi</i>	Ca_Desig_Scaffold00925	3707	(C/G)
33423	CadSNP9018	<i>Desi</i>	Ca_Desig_Scaffold00925	69325	(T/C)
33424	CadSNP9019	<i>Desi</i>	Ca_Desig_Scaffold00925	69313	(T/C)
33425	CadSNP9020	<i>Desi</i>	Ca_Desig_Scaffold00927	11010	(C/A)
33426	CadSNP9021	<i>Desi</i>	Ca_Desig_Scaffold00927	11432	(T/G)
33427	CadSNP9022	<i>Desi</i>	Ca_Desig_Scaffold00927	11403	(T/C)
33428	CadSNP9023	<i>Desi</i>	Ca_Desig_Scaffold00927	11390	(T/G)
33429	CadSNP9024	<i>Desi</i>	Ca_Desig_Scaffold00927	11386	(G/C)
33430	CadSNP9025	<i>Desi</i>	Ca_Desig_Scaffold00927	11385	(T/G)
33431	CadSNP9026	<i>Desi</i>	Ca_Desig_Scaffold00927	12648	(G/A)
33432	CadSNP9027	<i>Desi</i>	Ca_Desig_Scaffold00927	74261	(C/T)
33433	CadSNP9028	<i>Desi</i>	Ca_Desig_Scaffold00930	26471	(A/G)
33434	CadSNP9029	<i>Desi</i>	Ca_Desig_Scaffold00930	26584	(T/C)
33435	CadSNP9030	<i>Desi</i>	Ca_Desig_Scaffold00930	27063	(A/T)
33436	CadSNP9031	<i>Desi</i>	Ca_Desig_Scaffold00930	27048	(T/C)
33437	CadSNP9032	<i>Desi</i>	Ca_Desig_Scaffold00930	27089	(T/C)
33438	CadSNP9033	<i>Desi</i>	Ca_Desig_Scaffold00930	27132	(T/C)
33439	CadSNP9034	<i>Desi</i>	Ca_Desig_Scaffold00930	27172	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33440	CadSNP9035	<i>Desi</i>	Ca_Desig_Scaffold00930	28401	(C/G)
33441	CadSNP9036	<i>Desi</i>	Ca_Desig_Scaffold00930	28402	(A/G)
33442	CadSNP9037	<i>Desi</i>	Ca_Desig_Scaffold00930	28426	(T/A)
33443	CadSNP9038	<i>Desi</i>	Ca_Desig_Scaffold00930	28419	(A/G)
33444	CadSNP9039	<i>Desi</i>	Ca_Desig_Scaffold00930	28524	(C/T)
33445	CadSNP9040	<i>Desi</i>	Ca_Desig_Scaffold00930	91514	(C/T)
33446	CadSNP9041	<i>Desi</i>	Ca_Desig_Scaffold00930	91549	(C/T)
33447	CadSNP9042	<i>Desi</i>	Ca_Desig_Scaffold00930	91560	(G/A)
33448	CadSNP9043	<i>Desi</i>	Ca_Desig_Scaffold00933	14119	(C/T)
33449	CadSNP9044	<i>Desi</i>	Ca_Desig_Scaffold00933	44335	(A/G)
33450	CadSNP9045	<i>Desi</i>	Ca_Desig_Scaffold00933	62235	(A/G)
33451	CadSNP9046	<i>Desi</i>	Ca_Desig_Scaffold00933	62323	(G/T)
33452	CadSNP9047	<i>Desi</i>	Ca_Desig_Scaffold00933	75363	(A/T)
33453	CadSNP9048	<i>Desi</i>	Ca_Desig_Scaffold00934	124423	(A/G)
33454	CadSNP9049	<i>Desi</i>	Ca_Desig_Scaffold00934	148869	(G/T)
33455	CadSNP9050	<i>Desi</i>	Ca_Desig_Scaffold00934	266324	(C/T)
33456	CadSNP9051	<i>Desi</i>	Ca_Desig_Scaffold00934	309283	(G/A)
33457	CadSNP9052	<i>Desi</i>	Ca_Desig_Scaffold00935	16914	(G/A)
33458	CadSNP9053	<i>Desi</i>	Ca_Desig_Scaffold00935	33422	(T/G)
33459	CadSNP9054	<i>Desi</i>	Ca_Desig_Scaffold00935	33598	(G/A)
33460	CadSNP9055	<i>Desi</i>	Ca_Desig_Scaffold00935	34654	(T/C)
33461	CadSNP9056	<i>Desi</i>	Ca_Desig_Scaffold00936	54679	(G/A)
33462	CadSNP9057	<i>Desi</i>	Ca_Desig_Scaffold00936	85038	(A/G)
33463	CadSNP9058	<i>Desi</i>	Ca_Desig_Scaffold00937	69743	(A/G)
33464	CadSNP9059	<i>Desi</i>	Ca_Desig_Scaffold00937	69789	(C/T)
33465	CadSNP9060	<i>Desi</i>	Ca_Desig_Scaffold00938	57490	(A/C)
33466	CadSNP9061	<i>Desi</i>	Ca_Desig_Scaffold00938	89315	(A/G)
33467	CadSNP9062	<i>Desi</i>	Ca_Desig_Scaffold00938	89643	(G/A)
33468	CadSNP9063	<i>Desi</i>	Ca_Desig_Scaffold00938	89664	(T/C)
33469	CadSNP9064	<i>Desi</i>	Ca_Desig_Scaffold00938	89667	(T/G)
33470	CadSNP9065	<i>Desi</i>	Ca_Desig_Scaffold00938	89682	(G/A)
33471	CadSNP9066	<i>Desi</i>	Ca_Desig_Scaffold00938	89685	(T/C)
33472	CadSNP9067	<i>Desi</i>	Ca_Desig_Scaffold00938	89691	(A/G)
33473	CadSNP9068	<i>Desi</i>	Ca_Desig_Scaffold00938	89701	(G/A)
33474	CadSNP9069	<i>Desi</i>	Ca_Desig_Scaffold00938	89801	(G/A)
33475	CadSNP9070	<i>Desi</i>	Ca_Desig_Scaffold00938	89766	(G/A)
33476	CadSNP9071	<i>Desi</i>	Ca_Desig_Scaffold00940	4875	(A/C)
33477	CadSNP9072	<i>Desi</i>	Ca_Desig_Scaffold00940	7087	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33478	CadSNP9073	<i>Desi</i>	Ca_Desig_Scaffold00940	7400	(C/T)
33479	CadSNP9074	<i>Desi</i>	Ca_Desig_Scaffold00940	13449	(T/A)
33480	CadSNP9075	<i>Desi</i>	Ca_Desig_Scaffold00940	13459	(T/A)
33481	CadSNP9076	<i>Desi</i>	Ca_Desig_Scaffold00940	13461	(A/T)
33482	CadSNP9077	<i>Desi</i>	Ca_Desig_Scaffold00940	13473	(C/A)
33483	CadSNP9078	<i>Desi</i>	Ca_Desig_Scaffold00940	27880	(G/A)
33484	CadSNP9079	<i>Desi</i>	Ca_Desig_Scaffold00940	27874	(A/C)
33485	CadSNP9080	<i>Desi</i>	Ca_Desig_Scaffold00940	34284	(C/T)
33486	CadSNP9081	<i>Desi</i>	Ca_Desig_Scaffold00940	34369	(A/G)
33487	CadSNP9082	<i>Desi</i>	Ca_Desig_Scaffold00940	73123	(G/T)
33488	CadSNP9083	<i>Desi</i>	Ca_Desig_Scaffold00941	24094	(G/A)
33489	CadSNP9084	<i>Desi</i>	Ca_Desig_Scaffold00941	34646	(C/T)
33490	CadSNP9085	<i>Desi</i>	Ca_Desig_Scaffold00941	34658	(C/T)
33491	CadSNP9086	<i>Desi</i>	Ca_Desig_Scaffold00941	34720	(C/A)
33492	CadSNP9087	<i>Desi</i>	Ca_Desig_Scaffold00942	88710	(T/G)
33493	CadSNP9088	<i>Desi</i>	Ca_Desig_Scaffold00942	89490	(A/G)
33494	CadSNP9089	<i>Desi</i>	Ca_Desig_Scaffold00943	35515	(T/G)
33495	CadSNP9090	<i>Desi</i>	Ca_Desig_Scaffold00943	35514	(C/T)
33496	CadSNP9091	<i>Desi</i>	Ca_Desig_Scaffold00943	37176	(G/T)
33497	CadSNP9092	<i>Desi</i>	Ca_Desig_Scaffold00943	37269	(C/T)
33498	CadSNP9093	<i>Desi</i>	Ca_Desig_Scaffold00943	93778	(T/C)
33499	CadSNP9094	<i>Desi</i>	Ca_Desig_Scaffold00943	97452	(G/C)
33500	CadSNP9095	<i>Desi</i>	Ca_Desig_Scaffold00943	102821	(A/G)
33501	CadSNP9096	<i>Desi</i>	Ca_Desig_Scaffold00946	44834	(A/C)
33502	CadSNP9097	<i>Desi</i>	Ca_Desig_Scaffold00946	44832	(T/C)
33503	CadSNP9098	<i>Desi</i>	Ca_Desig_Scaffold00946	44816	(C/A)
33504	CadSNP9099	<i>Desi</i>	Ca_Desig_Scaffold00946	44902	(A/G)
33505	CadSNP9100	<i>Desi</i>	Ca_Desig_Scaffold00946	44876	(T/C)
33506	CadSNP9101	<i>Desi</i>	Ca_Desig_Scaffold00946	44874	(C/T)
33507	CadSNP9102	<i>Desi</i>	Ca_Desig_Scaffold00946	47526	(A/C)
33508	CadSNP9103	<i>Desi</i>	Ca_Desig_Scaffold00946	47552	(G/T)
33509	CadSNP9104	<i>Desi</i>	Ca_Desig_Scaffold00946	47651	(G/A)
33510	CadSNP9105	<i>Desi</i>	Ca_Desig_Scaffold00946	47636	(A/G)
33511	CadSNP9106	<i>Desi</i>	Ca_Desig_Scaffold00946	68313	(G/A)
33512	CadSNP9107	<i>Desi</i>	Ca_Desig_Scaffold00946	88091	(C/T)
33513	CadSNP9108	<i>Desi</i>	Ca_Desig_Scaffold00952	69679	(G/A)
33514	CadSNP9109	<i>Desi</i>	Ca_Desig_Scaffold00953	7776	(G/C)
33515	CadSNP9110	<i>Desi</i>	Ca_Desig_Scaffold00953	7771	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33516	CadSNP9111	<i>Desi</i>	Ca_Desig_Scaffold00953	7974	(C/A)
33517	CadSNP9112	<i>Desi</i>	Ca_Desig_Scaffold00953	10407	(G/A)
33518	CadSNP9113	<i>Desi</i>	Ca_Desig_Scaffold00953	13565	(A/G)
33519	CadSNP9114	<i>Desi</i>	Ca_Desig_Scaffold00953	13589	(G/T)
33520	CadSNP9115	<i>Desi</i>	Ca_Desig_Scaffold00953	13594	(A/C)
33521	CadSNP9116	<i>Desi</i>	Ca_Desig_Scaffold00953	14109	(G/C)
33522	CadSNP9117	<i>Desi</i>	Ca_Desig_Scaffold00953	14086	(T/C)
33523	CadSNP9118	<i>Desi</i>	Ca_Desig_Scaffold00953	14085	(A/G)
33524	CadSNP9119	<i>Desi</i>	Ca_Desig_Scaffold00953	60404	(G/A)
33525	CadSNP9120	<i>Desi</i>	Ca_Desig_Scaffold00953	60620	(A/C)
33526	CadSNP9121	<i>Desi</i>	Ca_Desig_Scaffold00953	75396	(T/G)
33527	CadSNP9122	<i>Desi</i>	Ca_Desig_Scaffold00953	85146	(G/A)
33528	CadSNP9123	<i>Desi</i>	Ca_Desig_Scaffold00953	85147	(T/C)
33529	CadSNP9124	<i>Desi</i>	Ca_Desig_Scaffold00955	17514	(C/T)
33530	CadSNP9125	<i>Desi</i>	Ca_Desig_Scaffold00955	62227	(T/C)
33531	CadSNP9126	<i>Desi</i>	Ca_Desig_Scaffold00955	62239	(G/A)
33532	CadSNP9127	<i>Desi</i>	Ca_Desig_Scaffold00955	64098	(C/T)
33533	CadSNP9128	<i>Desi</i>	Ca_Desig_Scaffold00955	64255	(C/T)
33534	CadSNP9129	<i>Desi</i>	Ca_Desig_Scaffold00955	64438	(C/T)
33535	CadSNP9130	<i>Desi</i>	Ca_Desig_Scaffold00955	66131	(G/A)
33536	CadSNP9131	<i>Desi</i>	Ca_Desig_Scaffold00955	76441	(C/G)
33537	CadSNP9132	<i>Desi</i>	Ca_Desig_Scaffold00964	83082	(A/G)
33538	CadSNP9133	<i>Desi</i>	Ca_Desig_Scaffold00965	8997	(C/A)
33539	CadSNP9134	<i>Desi</i>	Ca_Desig_Scaffold00965	8998	(A/G)
33540	CadSNP9135	<i>Desi</i>	Ca_Desig_Scaffold00965	35527	(T/A)
33541	CadSNP9136	<i>Desi</i>	Ca_Desig_Scaffold00965	35614	(C/T)
33542	CadSNP9137	<i>Desi</i>	Ca_Desig_Scaffold00965	35612	(C/T)
33543	CadSNP9138	<i>Desi</i>	Ca_Desig_Scaffold00965	35568	(G/A)
33544	CadSNP9139	<i>Desi</i>	Ca_Desig_Scaffold00965	49484	(A/G)
33545	CadSNP9140	<i>Desi</i>	Ca_Desig_Scaffold00965	81962	(G/A)
33546	CadSNP9141	<i>Desi</i>	Ca_Desig_Scaffold00965	82302	(C/T)
33547	CadSNP9142	<i>Desi</i>	Ca_Desig_Scaffold00965	82304	(G/T)
33548	CadSNP9143	<i>Desi</i>	Ca_Desig_Scaffold00965	94199	(G/A)
33549	CadSNP9144	<i>Desi</i>	Ca_Desig_Scaffold00965	94233	(A/G)
33550	CadSNP9145	<i>Desi</i>	Ca_Desig_Scaffold00965	100824	(G/T)
33551	CadSNP9146	<i>Desi</i>	Ca_Desig_Scaffold00966	19942	(G/A)
33552	CadSNP9147	<i>Desi</i>	Ca_Desig_Scaffold00966	20050	(C/T)
33553	CadSNP9148	<i>Desi</i>	Ca_Desig_Scaffold00966	20046	(A/G)

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33554	CadSNP9149	<i>Desi</i>	Ca_Desig_Scaffold00966	21747	(G/A)
33555	CadSNP9150	<i>Desi</i>	Ca_Desig_Scaffold00966	21783	(T/G)
33556	CadSNP9151	<i>Desi</i>	Ca_Desig_Scaffold00966	21941	(G/A)
33557	CadSNP9152	<i>Desi</i>	Ca_Desig_Scaffold00968	37661	(C/A)
33558	CadSNP9153	<i>Desi</i>	Ca_Desig_Scaffold00968	37651	(C/A)
33559	CadSNP9154	<i>Desi</i>	Ca_Desig_Scaffold00970	32612	(T/A)
33560	CadSNP9155	<i>Desi</i>	Ca_Desig_Scaffold00972	77663	(G/A)
33561	CadSNP9156	<i>Desi</i>	Ca_Desig_Scaffold00972	77664	(T/G)
33562	CadSNP9157	<i>Desi</i>	Ca_Desig_Scaffold00972	77669	(G/T)
33563	CadSNP9158	<i>Desi</i>	Ca_Desig_Scaffold00977	13310	(A/G)
33564	CadSNP9159	<i>Desi</i>	Ca_Desig_Scaffold00977	13272	(T/C)
33565	CadSNP9160	<i>Desi</i>	Ca_Desig_Scaffold00977	150897	(T/A)
33566	CadSNP9161	<i>Desi</i>	Ca_Desig_Scaffold00977	150894	(T/C)
33567	CadSNP9162	<i>Desi</i>	Ca_Desig_Scaffold00977	153889	(A/G)
33568	CadSNP9163	<i>Desi</i>	Ca_Desig_Scaffold00977	170116	(A/G)
33569	CadSNP9164	<i>Desi</i>	Ca_Desig_Scaffold00977	243538	(C/T)
33570	CadSNP9165	<i>Desi</i>	Ca_Desig_Scaffold00977	259658	(A/C)
33571	CadSNP9166	<i>Desi</i>	Ca_Desig_Scaffold00977	275400	(T/A)
33572	CadSNP9167	<i>Desi</i>	Ca_Desig_Scaffold00978	29178	(A/G)
33573	CadSNP9168	<i>Desi</i>	Ca_Desig_Scaffold00978	29348	(A/T)
33574	CadSNP9169	<i>Desi</i>	Ca_Desig_Scaffold00978	29371	(C/T)
33575	CadSNP9170	<i>Desi</i>	Ca_Desig_Scaffold00978	78188	(G/C)
33576	CadSNP9171	<i>Desi</i>	Ca_Desig_Scaffold00978	82113	(A/G)
33577	CadSNP9172	<i>Desi</i>	Ca_Desig_Scaffold00978	82678	(T/C)
33578	CadSNP9173	<i>Desi</i>	Ca_Desig_Scaffold00978	88039	(A/G)
33579	CadSNP9174	<i>Desi</i>	Ca_Desig_Scaffold00979	59132	(G/A)
33580	CadSNP9175	<i>Desi</i>	Ca_Desig_Scaffold00981	33974	(C/T)
33581	CadSNP9176	<i>Desi</i>	Ca_Desig_Scaffold00981	80507	(T/C)
33582	CadSNP9177	<i>Desi</i>	Ca_Desig_Scaffold00981	88415	(G/T)
33583	CadSNP9178	<i>Desi</i>	Ca_Desig_Scaffold00982	87657	(C/T)
33584	CadSNP9179	<i>Desi</i>	Ca_Desig_Scaffold00982	91004	(A/G)
33585	CadSNP9180	<i>Desi</i>	Ca_Desig_Scaffold00982	93024	(A/G)
33586	CadSNP9181	<i>Desi</i>	Ca_Desig_Scaffold00984	45120	(T/A)
33587	CadSNP9182	<i>Desi</i>	Ca_Desig_Scaffold00984	48288	(G/A)
33588	CadSNP9183	<i>Desi</i>	Ca_Desig_Scaffold00984	48267	(C/G)
33589	CadSNP9184	<i>Desi</i>	Ca_Desig_Scaffold00984	48266	(T/C)
33590	CadSNP9185	<i>Desi</i>	Ca_Desig_Scaffold00988	66198	(G/A)
33591	CadSNP9186	<i>Desi</i>	Ca_Desig_Scaffold00988	66887	(C/A)

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33592	CadSNP9187	<i>Desi</i>	Ca_Desig_Scaffold00988	66947	(A/G)
33593	CadSNP9188	<i>Desi</i>	Ca_Desig_Scaffold00988	76627	(A/G)
33594	CadSNP9189	<i>Desi</i>	Ca_Desig_Scaffold00988	77530	(T/A)
33595	CadSNP9190	<i>Desi</i>	Ca_Desig_Scaffold00988	79335	(G/A)
33596	CadSNP9191	<i>Desi</i>	Ca_Desig_Scaffold00988	90946	(A/C)
33597	CadSNP9192	<i>Desi</i>	Ca_Desig_Scaffold00991	8860	(G/A)
33598	CadSNP9193	<i>Desi</i>	Ca_Desig_Scaffold00991	58999	(G/A)
33599	CadSNP9194	<i>Desi</i>	Ca_Desig_Scaffold00991	77662	(C/T)
33600	CadSNP9195	<i>Desi</i>	Ca_Desig_Scaffold00991	77697	(A/C)
33601	CadSNP9196	<i>Desi</i>	Ca_Desig_Scaffold00991	77698	(G/A)
33602	CadSNP9197	<i>Desi</i>	Ca_Desig_Scaffold00991	91564	(A/C)
33603	CadSNP9198	<i>Desi</i>	Ca_Desig_Scaffold00991	91582	(A/G)
33604	CadSNP9199	<i>Desi</i>	Ca_Desig_Scaffold00991	115265	(T/C)
33605	CadSNP9200	<i>Desi</i>	Ca_Desig_Scaffold00991	115253	(A/T)
33606	CadSNP9201	<i>Desi</i>	Ca_Desig_Scaffold00991	115504	(G/A)
33607	CadSNP9202	<i>Desi</i>	Ca_Desig_Scaffold00991	118632	(C/T)
33608	CadSNP9203	<i>Desi</i>	Ca_Desig_Scaffold00991	124725	(C/T)
33609	CadSNP9204	<i>Desi</i>	Ca_Desig_Scaffold00991	124726	(G/T)
33610	CadSNP9205	<i>Desi</i>	Ca_Desig_Scaffold00994	225573	(T/C)
33611	CadSNP9206	<i>Desi</i>	Ca_Desig_Scaffold00994	225580	(A/G)
33612	CadSNP9207	<i>Desi</i>	Ca_Desig_Scaffold00994	225581	(C/A)
33613	CadSNP9208	<i>Desi</i>	Ca_Desig_Scaffold00994	225593	(C/T)
33614	CadSNP9209	<i>Desi</i>	Ca_Desig_Scaffold00994	225780	(A/T)
33615	CadSNP9210	<i>Desi</i>	Ca_Desig_Scaffold00994	225777	(G/A)
33616	CadSNP9211	<i>Desi</i>	Ca_Desig_Scaffold00994	225771	(T/C)
33617	CadSNP9212	<i>Desi</i>	Ca_Desig_Scaffold00994	225738	(T/A)
33618	CadSNP9213	<i>Desi</i>	Ca_Desig_Scaffold00994	225702	(G/A)
33619	CadSNP9214	<i>Desi</i>	Ca_Desig_Scaffold00994	225873	(G/C)
33620	CadSNP9215	<i>Desi</i>	Ca_Desig_Scaffold00994	243663	(G/A)
33621	CadSNP9216	<i>Desi</i>	Ca_Desig_Scaffold00994	243700	(T/C)
33622	CadSNP9217	<i>Desi</i>	Ca_Desig_Scaffold00994	243732	(A/C)
33623	CadSNP9218	<i>Desi</i>	Ca_Desig_Scaffold00996	34784	(A/G)
33624	CadSNP9219	<i>Desi</i>	Ca_Desig_Scaffold00996	34826	(A/C)
33625	CadSNP9220	<i>Desi</i>	Ca_Desig_Scaffold00997	4009	(C/A)
33626	CadSNP9221	<i>Desi</i>	Ca_Desig_Scaffold00997	4020	(A/T)
33627	CadSNP9222	<i>Desi</i>	Ca_Desig_Scaffold00997	4036	(T/A)
33628	CadSNP9223	<i>Desi</i>	Ca_Desig_Scaffold00997	4039	(A/C)
33629	CadSNP9224	<i>Desi</i>	Ca_Desig_Scaffold00997	4072	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33630	CadSNP9225	<i>Desi</i>	Ca_Desig_Scaffold00997	5390	(A/T)
33631	CadSNP9226	<i>Desi</i>	Ca_Desig_Scaffold00997	58092	(G/A)
33632	CadSNP9227	<i>Desi</i>	Ca_Desig_Scaffold00998	86958	(G/A)
33633	CadSNP9228	<i>Desi</i>	Ca_Desig_Scaffold00998	86974	(G/A)
33634	CadSNP9229	<i>Desi</i>	Ca_Desig_Scaffold00998	109960	(A/G)
33635	CadSNP9230	<i>Desi</i>	Ca_Desig_Scaffold01004	97376	(C/A)
33636	CadSNP9231	<i>Desi</i>	Ca_Desig_Scaffold01006	49018	(G/A)
33637	CadSNP9232	<i>Desi</i>	Ca_Desig_Scaffold01007	95731	(C/T)
33638	CadSNP9233	<i>Desi</i>	Ca_Desig_Scaffold01007	95736	(A/T)
33639	CadSNP9234	<i>Desi</i>	Ca_Desig_Scaffold01008	10460	(C/T)
33640	CadSNP9235	<i>Desi</i>	Ca_Desig_Scaffold01008	10511	(C/T)
33641	CadSNP9236	<i>Desi</i>	Ca_Desig_Scaffold01008	57460	(T/C)
33642	CadSNP9237	<i>Desi</i>	Ca_Desig_Scaffold01008	57564	(A/T)
33643	CadSNP9238	<i>Desi</i>	Ca_Desig_Scaffold01008	95248	(A/T)
33644	CadSNP9239	<i>Desi</i>	Ca_Desig_Scaffold01008	95268	(C/T)
33645	CadSNP9240	<i>Desi</i>	Ca_Desig_Scaffold01010	62694	(C/T)
33646	CadSNP9241	<i>Desi</i>	Ca_Desig_Scaffold01010	68856	(C/A)
33647	CadSNP9242	<i>Desi</i>	Ca_Desig_Scaffold01013	52145	(C/A)
33648	CadSNP9243	<i>Desi</i>	Ca_Desig_Scaffold01013	88643	(G/A)
33649	CadSNP9244	<i>Desi</i>	Ca_Desig_Scaffold01013	88638	(C/T)
33650	CadSNP9245	<i>Desi</i>	Ca_Desig_Scaffold01013	89864	(G/A)
33651	CadSNP9246	<i>Desi</i>	Ca_Desig_Scaffold01013	89889	(G/T)
33652	CadSNP9247	<i>Desi</i>	Ca_Desig_Scaffold01013	89894	(A/T)
33653	CadSNP9248	<i>Desi</i>	Ca_Desig_Scaffold01015	23020	(C/A)
33654	CadSNP9249	<i>Desi</i>	Ca_Desig_Scaffold01016	28196	(G/C)
33655	CadSNP9250	<i>Desi</i>	Ca_Desig_Scaffold01016	29019	(C/T)
33656	CadSNP9251	<i>Desi</i>	Ca_Desig_Scaffold01016	46346	(T/A)
33657	CadSNP9252	<i>Desi</i>	Ca_Desig_Scaffold01016	46359	(A/G)
33658	CadSNP9253	<i>Desi</i>	Ca_Desig_Scaffold01016	46449	(T/C)
33659	CadSNP9254	<i>Desi</i>	Ca_Desig_Scaffold01016	46440	(T/C)
33660	CadSNP9255	<i>Desi</i>	Ca_Desig_Scaffold01018	24698	(A/C)
33661	CadSNP9256	<i>Desi</i>	Ca_Desig_Scaffold01018	24729	(T/A)
33662	CadSNP9257	<i>Desi</i>	Ca_Desig_Scaffold01018	69129	(A/G)
33663	CadSNP9258	<i>Desi</i>	Ca_Desig_Scaffold01022	4330	(T/C)
33664	CadSNP9259	<i>Desi</i>	Ca_Desig_Scaffold01022	4340	(T/C)
33665	CadSNP9260	<i>Desi</i>	Ca_Desig_Scaffold01022	4361	(C/A)
33666	CadSNP9261	<i>Desi</i>	Ca_Desig_Scaffold01022	4364	(T/C)
33667	CadSNP9262	<i>Desi</i>	Ca_Desig_Scaffold01024	83084	(A/C)

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33668	CadSNP9263	<i>Desi</i>	Ca_Desig_Scaffold01025	30164	(T/G)
33669	CadSNP9264	<i>Desi</i>	Ca_Desig_Scaffold01025	56713	(T/C)
33670	CadSNP9265	<i>Desi</i>	Ca_Desig_Scaffold01029	32701	(A/G)
33671	CadSNP9266	<i>Desi</i>	Ca_Desig_Scaffold01029	61153	(C/T)
33672	CadSNP9267	<i>Desi</i>	Ca_Desig_Scaffold01030	19516	(G/C)
33673	CadSNP9268	<i>Desi</i>	Ca_Desig_Scaffold01030	19561	(T/C)
33674	CadSNP9269	<i>Desi</i>	Ca_Desig_Scaffold01030	47219	(T/C)
33675	CadSNP9270	<i>Desi</i>	Ca_Desig_Scaffold01030	47291	(A/T)
33676	CadSNP9271	<i>Desi</i>	Ca_Desig_Scaffold01030	68993	(T/G)
33677	CadSNP9272	<i>Desi</i>	Ca_Desig_Scaffold01031	25396	(A/C)
33678	CadSNP9273	<i>Desi</i>	Ca_Desig_Scaffold01031	25418	(T/A)
33679	CadSNP9274	<i>Desi</i>	Ca_Desig_Scaffold01032	20608	(A/G)
33680	CadSNP9275	<i>Desi</i>	Ca_Desig_Scaffold01034	25742	(C/T)
33681	CadSNP9276	<i>Desi</i>	Ca_Desig_Scaffold01034	25777	(C/A)
33682	CadSNP9277	<i>Desi</i>	Ca_Desig_Scaffold01044	17925	(T/C)
33683	CadSNP9278	<i>Desi</i>	Ca_Desig_Scaffold01044	44938	(C/T)
33684	CadSNP9279	<i>Desi</i>	Ca_Desig_Scaffold01044	44949	(A/T)
33685	CadSNP9280	<i>Desi</i>	Ca_Desig_Scaffold01044	71581	(G/A)
33686	CadSNP9281	<i>Desi</i>	Ca_Desig_Scaffold01044	83854	(G/A)
33687	CadSNP9282	<i>Desi</i>	Ca_Desig_Scaffold01045	13505	(T/A)
33688	CadSNP9283	<i>Desi</i>	Ca_Desig_Scaffold01045	76264	(T/C)
33689	CadSNP9284	<i>Desi</i>	Ca_Desig_Scaffold01045	78057	(A/G)
33690	CadSNP9285	<i>Desi</i>	Ca_Desig_Scaffold01045	87081	(C/T)
33691	CadSNP9286	<i>Desi</i>	Ca_Desig_Scaffold01045	87100	(A/G)
33692	CadSNP9287	<i>Desi</i>	Ca_Desig_Scaffold01045	88362	(G/T)
33693	CadSNP9288	<i>Desi</i>	Ca_Desig_Scaffold01045	88378	(G/T)
33694	CadSNP9289	<i>Desi</i>	Ca_Desig_Scaffold01045	88406	(T/G)
33695	CadSNP9290	<i>Desi</i>	Ca_Desig_Scaffold01046	9495	(G/C)
33696	CadSNP9291	<i>Desi</i>	Ca_Desig_Scaffold01046	80740	(G/A)
33697	CadSNP9292	<i>Desi</i>	Ca_Desig_Scaffold01046	80800	(G/A)
33698	CadSNP9293	<i>Desi</i>	Ca_Desig_Scaffold01046	80799	(C/T)
33699	CadSNP9294	<i>Desi</i>	Ca_Desig_Scaffold01055	72467	(T/C)
33700	CadSNP9295	<i>Desi</i>	Ca_Desig_Scaffold01055	72524	(C/A)
33701	CadSNP9296	<i>Desi</i>	Ca_Desig_Scaffold01055	72603	(C/G)
33702	CadSNP9297	<i>Desi</i>	Ca_Desig_Scaffold01056	159521	(C/A)
33703	CadSNP9298	<i>Desi</i>	Ca_Desig_Scaffold01058	85980	(G/A)
33704	CadSNP9299	<i>Desi</i>	Ca_Desig_Scaffold01060	33360	(A/G)
33705	CadSNP9300	<i>Desi</i>	Ca_Desig_Scaffold01063	40084	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33706	CadSNP9301	<i>Desi</i>	Ca_Desig_Scaffold01063	40128	(G/C)
33707	CadSNP9302	<i>Desi</i>	Ca_Desig_Scaffold01063	40154	(T/C)
33708	CadSNP9303	<i>Desi</i>	Ca_Desig_Scaffold01066	77643	(G/A)
33709	CadSNP9304	<i>Desi</i>	Ca_Desig_Scaffold01066	77706	(T/G)
33710	CadSNP9305	<i>Desi</i>	Ca_Desig_Scaffold01066	78761	(G/C)
33711	CadSNP9306	<i>Desi</i>	Ca_Desig_Scaffold01066	78792	(T/C)
33712	CadSNP9307	<i>Desi</i>	Ca_Desig_Scaffold01066	79509	(T/A)
33713	CadSNP9308	<i>Desi</i>	Ca_Desig_Scaffold01066	79503	(T/C)
33714	CadSNP9309	<i>Desi</i>	Ca_Desig_Scaffold01066	79478	(G/A)
33715	CadSNP9310	<i>Desi</i>	Ca_Desig_Scaffold01066	79464	(T/C)
33716	CadSNP9311	<i>Desi</i>	Ca_Desig_Scaffold01066	79521	(A/T)
33717	CadSNP9312	<i>Desi</i>	Ca_Desig_Scaffold01070	26503	(T/C)
33718	CadSNP9313	<i>Desi</i>	Ca_Desig_Scaffold01070	82471	(C/T)
33719	CadSNP9314	<i>Desi</i>	Ca_Desig_Scaffold01074	4265	(C/A)
33720	CadSNP9315	<i>Desi</i>	Ca_Desig_Scaffold01074	63107	(T/G)
33721	CadSNP9316	<i>Desi</i>	Ca_Desig_Scaffold01074	84223	(C/T)
33722	CadSNP9317	<i>Desi</i>	Ca_Desig_Scaffold01078	36673	(T/C)
33723	CadSNP9318	<i>Desi</i>	Ca_Desig_Scaffold01079	61423	(A/C)
33724	CadSNP9319	<i>Desi</i>	Ca_Desig_Scaffold01081	37593	(T/C)
33725	CadSNP9320	<i>Desi</i>	Ca_Desig_Scaffold01081	37618	(T/G)
33726	CadSNP9321	<i>Desi</i>	Ca_Desig_Scaffold01081	66038	(G/A)
33727	CadSNP9322	<i>Desi</i>	Ca_Desig_Scaffold01081	66069	(G/T)
33728	CadSNP9323	<i>Desi</i>	Ca_Desig_Scaffold01081	66068	(A/T)
33729	CadSNP9324	<i>Desi</i>	Ca_Desig_Scaffold01081	69994	(T/C)
33730	CadSNP9325	<i>Desi</i>	Ca_Desig_Scaffold01081	70026	(C/T)
33731	CadSNP9326	<i>Desi</i>	Ca_Desig_Scaffold01081	70027	(C/T)
33732	CadSNP9327	<i>Desi</i>	Ca_Desig_Scaffold01081	70036	(G/A)
33733	CadSNP9328	<i>Desi</i>	Ca_Desig_Scaffold01081	70041	(G/A)
33734	CadSNP9329	<i>Desi</i>	Ca_Desig_Scaffold01081	70047	(G/A)
33735	CadSNP9330	<i>Desi</i>	Ca_Desig_Scaffold01081	71125	(G/A)
33736	CadSNP9331	<i>Desi</i>	Ca_Desig_Scaffold01081	71196	(C/G)
33737	CadSNP9332	<i>Desi</i>	Ca_Desig_Scaffold01081	71195	(T/C)
33738	CadSNP9333	<i>Desi</i>	Ca_Desig_Scaffold01081	71187	(G/A)
33739	CadSNP9334	<i>Desi</i>	Ca_Desig_Scaffold01081	71314	(A/G)
33740	CadSNP9335	<i>Desi</i>	Ca_Desig_Scaffold01082	12246	(A/C)
33741	CadSNP9336	<i>Desi</i>	Ca_Desig_Scaffold01082	14997	(A/G)
33742	CadSNP9337	<i>Desi</i>	Ca_Desig_Scaffold01082	15031	(G/A)
33743	CadSNP9338	<i>Desi</i>	Ca_Desig_Scaffold01082	15034	(G/C)

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33744	CadSNP9339	<i>Desi</i>	Ca_Desig_Scaffold01082	30083	(T/A)
33745	CadSNP9340	<i>Desi</i>	Ca_Desig_Scaffold01086	48903	(T/A)
33746	CadSNP9341	<i>Desi</i>	Ca_Desig_Scaffold01092	79248	(T/G)
33747	CadSNP9342	<i>Desi</i>	Ca_Desig_Scaffold01094	74659	(T/G)
33748	CadSNP9343	<i>Desi</i>	Ca_Desig_Scaffold01094	75315	(A/G)
33749	CadSNP9344	<i>Desi</i>	Ca_Desig_Scaffold01100	20409	(G/T)
33750	CadSNP9345	<i>Desi</i>	Ca_Desig_Scaffold01100	44734	(G/A)
33751	CadSNP9346	<i>Desi</i>	Ca_Desig_Scaffold01100	44748	(A/G)
33752	CadSNP9347	<i>Desi</i>	Ca_Desig_Scaffold01100	44762	(C/T)
33753	CadSNP9348	<i>Desi</i>	Ca_Desig_Scaffold01100	44848	(C/G)
33754	CadSNP9349	<i>Desi</i>	Ca_Desig_Scaffold01100	50421	(G/C)
33755	CadSNP9350	<i>Desi</i>	Ca_Desig_Scaffold01100	50469	(G/A)
33756	CadSNP9351	<i>Desi</i>	Ca_Desig_Scaffold01100	50559	(G/A)
33757	CadSNP9352	<i>Desi</i>	Ca_Desig_Scaffold01100	50525	(G/A)
33758	CadSNP9353	<i>Desi</i>	Ca_Desig_Scaffold01100	50507	(G/A)
33759	CadSNP9354	<i>Desi</i>	Ca_Desig_Scaffold01100	50549	(C/T)
33760	CadSNP9355	<i>Desi</i>	Ca_Desig_Scaffold01100	50503	(C/T)
33761	CadSNP9356	<i>Desi</i>	Ca_Desig_Scaffold01100	50594	(A/G)
33762	CadSNP9357	<i>Desi</i>	Ca_Desig_Scaffold01100	50580	(G/A)
33763	CadSNP9358	<i>Desi</i>	Ca_Desig_Scaffold01100	50624	(G/A)
33764	CadSNP9359	<i>Desi</i>	Ca_Desig_Scaffold01100	50686	(T/A)
33765	CadSNP9360	<i>Desi</i>	Ca_Desig_Scaffold01100	50682	(C/A)
33766	CadSNP9361	<i>Desi</i>	Ca_Desig_Scaffold01100	50672	(C/T)
33767	CadSNP9362	<i>Desi</i>	Ca_Desig_Scaffold01100	50664	(T/C)
33768	CadSNP9363	<i>Desi</i>	Ca_Desig_Scaffold01100	50694	(C/T)
33769	CadSNP9364	<i>Desi</i>	Ca_Desig_Scaffold01100	50730	(T/C)
33770	CadSNP9365	<i>Desi</i>	Ca_Desig_Scaffold01100	50696	(G/C)
33771	CadSNP9366	<i>Desi</i>	Ca_Desig_Scaffold01103	32607	(G/A)
33772	CadSNP9367	<i>Desi</i>	Ca_Desig_Scaffold01103	33402	(A/T)
33773	CadSNP9368	<i>Desi</i>	Ca_Desig_Scaffold01103	33437	(G/C)
33774	CadSNP9369	<i>Desi</i>	Ca_Desig_Scaffold01107	9570	(A/G)
33775	CadSNP9370	<i>Desi</i>	Ca_Desig_Scaffold01107	9609	(G/T)
33776	CadSNP9371	<i>Desi</i>	Ca_Desig_Scaffold01107	9636	(C/T)
33777	CadSNP9372	<i>Desi</i>	Ca_Desig_Scaffold01107	9995	(T/A)
33778	CadSNP9373	<i>Desi</i>	Ca_Desig_Scaffold01107	10065	(A/G)
33779	CadSNP9374	<i>Desi</i>	Ca_Desig_Scaffold01109	47216	(A/C)
33780	CadSNP9375	<i>Desi</i>	Ca_Desig_Scaffold01112	29826	(T/C)
33781	CadSNP9376	<i>Desi</i>	Ca_Desig_Scaffold01112	37141	(G/C)

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33782	CadSNP9377	<i>Desi</i>	Ca_Desig_Scaffold01112	67077	(A/T)
33783	CadSNP9378	<i>Desi</i>	Ca_Desig_Scaffold01114	59943	(A/T)
33784	CadSNP9379	<i>Desi</i>	Ca_Desig_Scaffold01120	40467	(G/T)
33785	CadSNP9380	<i>Desi</i>	Ca_Desig_Scaffold01120	45051	(A/G)
33786	CadSNP9381	<i>Desi</i>	Ca_Desig_Scaffold01120	45057	(T/C)
33787	CadSNP9382	<i>Desi</i>	Ca_Desig_Scaffold01120	80913	(G/A)
33788	CadSNP9383	<i>Desi</i>	Ca_Desig_Scaffold01120	81951	(C/T)
33789	CadSNP9384	<i>Desi</i>	Ca_Desig_Scaffold01120	90046	(G/A)
33790	CadSNP9385	<i>Desi</i>	Ca_Desig_Scaffold01120	90071	(G/A)
33791	CadSNP9386	<i>Desi</i>	Ca_Desig_Scaffold01120	90102	(G/C)
33792	CadSNP9387	<i>Desi</i>	Ca_Desig_Scaffold01121	8582	(C/A)
33793	CadSNP9388	<i>Desi</i>	Ca_Desig_Scaffold01121	64891	(C/A)
33794	CadSNP9389	<i>Desi</i>	Ca_Desig_Scaffold01121	64881	(G/A)
33795	CadSNP9390	<i>Desi</i>	Ca_Desig_Scaffold01121	64868	(T/C)
33796	CadSNP9391	<i>Desi</i>	Ca_Desig_Scaffold01121	64865	(C/A)
33797	CadSNP9392	<i>Desi</i>	Ca_Desig_Scaffold01121	64863	(T/A)
33798	CadSNP9393	<i>Desi</i>	Ca_Desig_Scaffold01121	64918	(A/C)
33799	CadSNP9394	<i>Desi</i>	Ca_Desig_Scaffold01121	80074	(C/T)
33800	CadSNP9395	<i>Desi</i>	Ca_Desig_Scaffold01122	81700	(A/T)
33801	CadSNP9396	<i>Desi</i>	Ca_Desig_Scaffold01122	81699	(C/A)
33802	CadSNP9397	<i>Desi</i>	Ca_Desig_Scaffold01122	81692	(C/T)
33803	CadSNP9398	<i>Desi</i>	Ca_Desig_Scaffold01122	81689	(C/G)
33804	CadSNP9399	<i>Desi</i>	Ca_Desig_Scaffold01122	81688	(A/T)
33805	CadSNP9400	<i>Desi</i>	Ca_Desig_Scaffold01122	81677	(C/A)
33806	CadSNP9401	<i>Desi</i>	Ca_Desig_Scaffold01122	81676	(A/G)
33807	CadSNP9402	<i>Desi</i>	Ca_Desig_Scaffold01122	81670	(G/A)
33808	CadSNP9403	<i>Desi</i>	Ca_Desig_Scaffold01122	81669	(A/G)
33809	CadSNP9404	<i>Desi</i>	Ca_Desig_Scaffold01122	81668	(C/A)
33810	CadSNP9405	<i>Desi</i>	Ca_Desig_Scaffold01122	81666	(C/T)
33811	CadSNP9406	<i>Desi</i>	Ca_Desig_Scaffold01122	81797	(T/G)
33812	CadSNP9407	<i>Desi</i>	Ca_Desig_Scaffold01123	11283	(C/A)
33813	CadSNP9408	<i>Desi</i>	Ca_Desig_Scaffold01123	11284	(G/T)
33814	CadSNP9409	<i>Desi</i>	Ca_Desig_Scaffold01128	14	(A/G)
33815	CadSNP9410	<i>Desi</i>	Ca_Desig_Scaffold01129	27484	(G/A)
33816	CadSNP9411	<i>Desi</i>	Ca_Desig_Scaffold01129	27507	(G/A)
33817	CadSNP9412	<i>Desi</i>	Ca_Desig_Scaffold01129	86744	(C/T)
33818	CadSNP9413	<i>Desi</i>	Ca_Desig_Scaffold01129	86749	(T/C)
33819	CadSNP9414	<i>Desi</i>	Ca_Desig_Scaffold01131	44353	(C/T)

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33820	CadSNP9415	<i>Desi</i>	Ca_Desig_Scaffold01131	44348	(G/A)
33821	CadSNP9416	<i>Desi</i>	Ca_Desig_Scaffold01131	48552	(A/G)
33822	CadSNP9417	<i>Desi</i>	Ca_Desig_Scaffold01131	49647	(A/G)
33823	CadSNP9418	<i>Desi</i>	Ca_Desig_Scaffold01133	23553	(G/C)
33824	CadSNP9419	<i>Desi</i>	Ca_Desig_Scaffold01133	66226	(G/T)
33825	CadSNP9420	<i>Desi</i>	Ca_Desig_Scaffold01133	66295	(T/C)
33826	CadSNP9421	<i>Desi</i>	Ca_Desig_Scaffold01135	67560	(A/T)
33827	CadSNP9422	<i>Desi</i>	Ca_Desig_Scaffold01138	183340	(G/A)
33828	CadSNP9423	<i>Desi</i>	Ca_Desig_Scaffold01138	189585	(G/A)
33829	CadSNP9424	<i>Desi</i>	Ca_Desig_Scaffold01139	12471	(T/C)
33830	CadSNP9425	<i>Desi</i>	Ca_Desig_Scaffold01139	82974	(C/T)
33831	CadSNP9426	<i>Desi</i>	Ca_Desig_Scaffold01141	5464	(T/G)
33832	CadSNP9427	<i>Desi</i>	Ca_Desig_Scaffold01141	5872	(A/C)
33833	CadSNP9428	<i>Desi</i>	Ca_Desig_Scaffold01142	59295	(A/G)
33834	CadSNP9429	<i>Desi</i>	Ca_Desig_Scaffold01145	1432	(T/C)
33835	CadSNP9430	<i>Desi</i>	Ca_Desig_Scaffold01148	21511	(T/C)
33836	CadSNP9431	<i>Desi</i>	Ca_Desig_Scaffold01148	21486	(C/A)
33837	CadSNP9432	<i>Desi</i>	Ca_Desig_Scaffold01148	24195	(C/T)
33838	CadSNP9433	<i>Desi</i>	Ca_Desig_Scaffold01148	48197	(C/T)
33839	CadSNP9434	<i>Desi</i>	Ca_Desig_Scaffold01148	48230	(T/C)
33840	CadSNP9435	<i>Desi</i>	Ca_Desig_Scaffold01148	49643	(C/A)
33841	CadSNP9436	<i>Desi</i>	Ca_Desig_Scaffold01149	19503	(T/C)
33842	CadSNP9437	<i>Desi</i>	Ca_Desig_Scaffold01149	224769	(C/A)
33843	CadSNP9438	<i>Desi</i>	Ca_Desig_Scaffold01149	224768	(C/A)
33844	CadSNP9439	<i>Desi</i>	Ca_Desig_Scaffold01149	231983	(G/T)
33845	CadSNP9440	<i>Desi</i>	Ca_Desig_Scaffold01149	234912	(A/T)
33846	CadSNP9441	<i>Desi</i>	Ca_Desig_Scaffold01149	234930	(T/G)
33847	CadSNP9442	<i>Desi</i>	Ca_Desig_Scaffold01149	234941	(G/A)
33848	CadSNP9443	<i>Desi</i>	Ca_Desig_Scaffold01149	234951	(G/A)
33849	CadSNP9444	<i>Desi</i>	Ca_Desig_Scaffold01150	9627	(G/A)
33850	CadSNP9445	<i>Desi</i>	Ca_Desig_Scaffold01151	67491	(A/C)
33851	CadSNP9446	<i>Desi</i>	Ca_Desig_Scaffold01151	76068	(A/G)
33852	CadSNP9447	<i>Desi</i>	Ca_Desig_Scaffold01156	45655	(A/G)
33853	CadSNP9448	<i>Desi</i>	Ca_Desig_Scaffold01156	45702	(T/A)
33854	CadSNP9449	<i>Desi</i>	Ca_Desig_Scaffold01156	45699	(G/A)
33855	CadSNP9450	<i>Desi</i>	Ca_Desig_Scaffold01156	46486	(C/G)
33856	CadSNP9451	<i>Desi</i>	Ca_Desig_Scaffold01156	46513	(C/G)
33857	CadSNP9452	<i>Desi</i>	Ca_Desig_Scaffold01156	46518	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33858	CadSNP9453	<i>Desi</i>	Ca_Desig_Scaffold01162	31992	(T/C)
33859	CadSNP9454	<i>Desi</i>	Ca_Desig_Scaffold01164	33958	(A/G)
33860	CadSNP9455	<i>Desi</i>	Ca_Desig_Scaffold01165	20355	(A/T)
33861	CadSNP9456	<i>Desi</i>	Ca_Desig_Scaffold01165	71874	(A/C)
33862	CadSNP9457	<i>Desi</i>	Ca_Desig_Scaffold01165	74087	(A/C)
33863	CadSNP9458	<i>Desi</i>	Ca_Desig_Scaffold01166	21270	(A/G)
33864	CadSNP9459	<i>Desi</i>	Ca_Desig_Scaffold01166	34273	(C/G)
33865	CadSNP9460	<i>Desi</i>	Ca_Desig_Scaffold01168	16641	(C/T)
33866	CadSNP9461	<i>Desi</i>	Ca_Desig_Scaffold01168	16638	(G/A)
33867	CadSNP9462	<i>Desi</i>	Ca_Desig_Scaffold01168	16629	(A/G)
33868	CadSNP9463	<i>Desi</i>	Ca_Desig_Scaffold01168	16621	(T/C)
33869	CadSNP9464	<i>Desi</i>	Ca_Desig_Scaffold01168	16617	(A/G)
33870	CadSNP9465	<i>Desi</i>	Ca_Desig_Scaffold01169	47173	(A/T)
33871	CadSNP9466	<i>Desi</i>	Ca_Desig_Scaffold01169	65104	(G/T)
33872	CadSNP9467	<i>Desi</i>	Ca_Desig_Scaffold01169	65074	(G/A)
33873	CadSNP9468	<i>Desi</i>	Ca_Desig_Scaffold01169	65061	(A/T)
33874	CadSNP9469	<i>Desi</i>	Ca_Desig_Scaffold01170	41519	(A/G)
33875	CadSNP9470	<i>Desi</i>	Ca_Desig_Scaffold01170	41530	(C/T)
33876	CadSNP9471	<i>Desi</i>	Ca_Desig_Scaffold01170	41553	(A/G)
33877	CadSNP9472	<i>Desi</i>	Ca_Desig_Scaffold01170	41567	(C/G)
33878	CadSNP9473	<i>Desi</i>	Ca_Desig_Scaffold01170	46564	(T/G)
33879	CadSNP9474	<i>Desi</i>	Ca_Desig_Scaffold01170	63184	(G/A)
33880	CadSNP9475	<i>Desi</i>	Ca_Desig_Scaffold01170	63205	(C/T)
33881	CadSNP9476	<i>Desi</i>	Ca_Desig_Scaffold01170	63217	(A/G)
33882	CadSNP9477	<i>Desi</i>	Ca_Desig_Scaffold01170	63226	(C/T)
33883	CadSNP9478	<i>Desi</i>	Ca_Desig_Scaffold01170	63234	(T/A)
33884	CadSNP9479	<i>Desi</i>	Ca_Desig_Scaffold01170	63324	(T/G)
33885	CadSNP9480	<i>Desi</i>	Ca_Desig_Scaffold01170	63404	(C/T)
33886	CadSNP9481	<i>Desi</i>	Ca_Desig_Scaffold01170	75650	(C/G)
33887	CadSNP9482	<i>Desi</i>	Ca_Desig_Scaffold01170	75625	(C/G)
33888	CadSNP9483	<i>Desi</i>	Ca_Desig_Scaffold01170	75754	(C/T)
33889	CadSNP9484	<i>Desi</i>	Ca_Desig_Scaffold01170	75753	(G/A)
33890	CadSNP9485	<i>Desi</i>	Ca_Desig_Scaffold01170	75806	(C/G)
33891	CadSNP9486	<i>Desi</i>	Ca_Desig_Scaffold01170	75878	(T/G)
33892	CadSNP9487	<i>Desi</i>	Ca_Desig_Scaffold01170	75829	(G/A)
33893	CadSNP9488	<i>Desi</i>	Ca_Desig_Scaffold01170	75885	(C/A)
33894	CadSNP9489	<i>Desi</i>	Ca_Desig_Scaffold01172	61041	(G/A)
33895	CadSNP9490	<i>Desi</i>	Ca_Desig_Scaffold01173	6510	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33896	CadSNP9491	<i>Desi</i>	Ca_Desig_Scaffold01173	6462	(A/G)
33897	CadSNP9492	<i>Desi</i>	Ca_Desig_Scaffold01173	6955	(A/G)
33898	CadSNP9493	<i>Desi</i>	Ca_Desig_Scaffold01174	36613	(C/T)
33899	CadSNP9494	<i>Desi</i>	Ca_Desig_Scaffold01180	17000	(T/G)
33900	CadSNP9495	<i>Desi</i>	Ca_Desig_Scaffold01180	20953	(A/C)
33901	CadSNP9496	<i>Desi</i>	Ca_Desig_Scaffold01180	24016	(T/G)
33902	CadSNP9497	<i>Desi</i>	Ca_Desig_Scaffold01183	113501	(G/A)
33903	CadSNP9498	<i>Desi</i>	Ca_Desig_Scaffold01183	113542	(C/G)
33904	CadSNP9499	<i>Desi</i>	Ca_Desig_Scaffold01183	113564	(C/T)
33905	CadSNP9500	<i>Desi</i>	Ca_Desig_Scaffold01183	125445	(T/A)
33906	CadSNP9501	<i>Desi</i>	Ca_Desig_Scaffold01188	55984	(T/C)
33907	CadSNP9502	<i>Desi</i>	Ca_Desig_Scaffold01189	75223	(G/C)
33908	CadSNP9503	<i>Desi</i>	Ca_Desig_Scaffold01191	33230	(T/C)
33909	CadSNP9504	<i>Desi</i>	Ca_Desig_Scaffold01191	33239	(A/G)
33910	CadSNP9505	<i>Desi</i>	Ca_Desig_Scaffold01191	33258	(C/T)
33911	CadSNP9506	<i>Desi</i>	Ca_Desig_Scaffold01191	33264	(C/G)
33912	CadSNP9507	<i>Desi</i>	Ca_Desig_Scaffold01191	33275	(T/A)
33913	CadSNP9508	<i>Desi</i>	Ca_Desig_Scaffold01191	33279	(C/A)
33914	CadSNP9509	<i>Desi</i>	Ca_Desig_Scaffold01191	33287	(C/T)
33915	CadSNP9510	<i>Desi</i>	Ca_Desig_Scaffold01191	33290	(T/C)
33916	CadSNP9511	<i>Desi</i>	Ca_Desig_Scaffold01191	33338	(T/A)
33917	CadSNP9512	<i>Desi</i>	Ca_Desig_Scaffold01191	33329	(T/G)
33918	CadSNP9513	<i>Desi</i>	Ca_Desig_Scaffold01191	42134	(G/C)
33919	CadSNP9514	<i>Desi</i>	Ca_Desig_Scaffold01191	42252	(A/G)
33920	CadSNP9515	<i>Desi</i>	Ca_Desig_Scaffold01191	52241	(T/A)
33921	CadSNP9516	<i>Desi</i>	Ca_Desig_Scaffold01191	52304	(A/T)
33922	CadSNP9517	<i>Desi</i>	Ca_Desig_Scaffold01191	52298	(A/G)
33923	CadSNP9518	<i>Desi</i>	Ca_Desig_Scaffold01191	52478	(T/A)
33924	CadSNP9519	<i>Desi</i>	Ca_Desig_Scaffold01191	61548	(A/T)
33925	CadSNP9520	<i>Desi</i>	Ca_Desig_Scaffold01191	61557	(T/C)
33926	CadSNP9521	<i>Desi</i>	Ca_Desig_Scaffold01191	61560	(A/T)
33927	CadSNP9522	<i>Desi</i>	Ca_Desig_Scaffold01191	61593	(T/G)
33928	CadSNP9523	<i>Desi</i>	Ca_Desig_Scaffold01191	61625	(A/G)
33929	CadSNP9524	<i>Desi</i>	Ca_Desig_Scaffold01191	61647	(C/T)
33930	CadSNP9525	<i>Desi</i>	Ca_Desig_Scaffold01191	61641	(C/T)
33931	CadSNP9526	<i>Desi</i>	Ca_Desig_Scaffold01191	61639	(G/A)
33932	CadSNP9527	<i>Desi</i>	Ca_Desig_Scaffold01191	61631	(C/T)
33933	CadSNP9528	<i>Desi</i>	Ca_Desig_Scaffold01191	72296	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33934	CadSNP9529	<i>Desi</i>	Ca_Desig_Scaffold01191	72446	(G/A)
33935	CadSNP9530	<i>Desi</i>	Ca_Desig_Scaffold01191	75429	(T/C)
33936	CadSNP9531	<i>Desi</i>	Ca_Desig_Scaffold01191	75505	(C/T)
33937	CadSNP9532	<i>Desi</i>	Ca_Desig_Scaffold01191	75493	(G/A)
33938	CadSNP9533	<i>Desi</i>	Ca_Desig_Scaffold01191	75490	(T/C)
33939	CadSNP9534	<i>Desi</i>	Ca_Desig_Scaffold01191	75487	(T/A)
33940	CadSNP9535	<i>Desi</i>	Ca_Desig_Scaffold01193	31644	(G/A)
33941	CadSNP9536	<i>Desi</i>	Ca_Desig_Scaffold01194	39177	(A/G)
33942	CadSNP9537	<i>Desi</i>	Ca_Desig_Scaffold01194	71452	(T/A)
33943	CadSNP9538	<i>Desi</i>	Ca_Desig_Scaffold01194	78496	(C/A)
33944	CadSNP9539	<i>Desi</i>	Ca_Desig_Scaffold01198	5480	(A/C)
33945	CadSNP9540	<i>Desi</i>	Ca_Desig_Scaffold01198	54170	(T/G)
33946	CadSNP9541	<i>Desi</i>	Ca_Desig_Scaffold01198	54156	(C/T)
33947	CadSNP9542	<i>Desi</i>	Ca_Desig_Scaffold01198	54138	(T/G)
33948	CadSNP9543	<i>Desi</i>	Ca_Desig_Scaffold01200	32313	(A/G)
33949	CadSNP9544	<i>Desi</i>	Ca_Desig_Scaffold01200	81274	(A/T)
33950	CadSNP9545	<i>Desi</i>	Ca_Desig_Scaffold01201	11290	(A/G)
33951	CadSNP9546	<i>Desi</i>	Ca_Desig_Scaffold01207	62262	(G/T)
33952	CadSNP9547	<i>Desi</i>	Ca_Desig_Scaffold01207	62361	(T/A)
33953	CadSNP9548	<i>Desi</i>	Ca_Desig_Scaffold01207	62312	(T/C)
33954	CadSNP9549	<i>Desi</i>	Ca_Desig_Scaffold01208	37318	(C/T)
33955	CadSNP9550	<i>Desi</i>	Ca_Desig_Scaffold01208	46725	(A/C)
33956	CadSNP9551	<i>Desi</i>	Ca_Desig_Scaffold01208	48445	(C/T)
33957	CadSNP9552	<i>Desi</i>	Ca_Desig_Scaffold01210	42827	(G/T)
33958	CadSNP9553	<i>Desi</i>	Ca_Desig_Scaffold01210	84904	(C/G)
33959	CadSNP9554	<i>Desi</i>	Ca_Desig_Scaffold01211	19129	(T/C)
33960	CadSNP9555	<i>Desi</i>	Ca_Desig_Scaffold01211	19163	(C/A)
33961	CadSNP9556	<i>Desi</i>	Ca_Desig_Scaffold01211	65327	(C/T)
33962	CadSNP9557	<i>Desi</i>	Ca_Desig_Scaffold01213	31897	(A/C)
33963	CadSNP9558	<i>Desi</i>	Ca_Desig_Scaffold01213	58439	(C/T)
33964	CadSNP9559	<i>Desi</i>	Ca_Desig_Scaffold01216	47446	(G/A)
33965	CadSNP9560	<i>Desi</i>	Ca_Desig_Scaffold01216	47480	(T/C)
33966	CadSNP9561	<i>Desi</i>	Ca_Desig_Scaffold01216	47600	(T/A)
33967	CadSNP9562	<i>Desi</i>	Ca_Desig_Scaffold01216	47561	(A/G)
33968	CadSNP9563	<i>Desi</i>	Ca_Desig_Scaffold01216	62521	(T/C)
33969	CadSNP9564	<i>Desi</i>	Ca_Desig_Scaffold01218	31762	(G/T)
33970	CadSNP9565	<i>Desi</i>	Ca_Desig_Scaffold01218	34440	(C/T)
33971	CadSNP9566	<i>Desi</i>	Ca_Desig_Scaffold01218	34433	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
33972	CadSNP9567	<i>Desi</i>	Ca_Desig_Scaffold01218	59068	(A/C)
33973	CadSNP9568	<i>Desi</i>	Ca_Desig_Scaffold01225	77159	(C/G)
33974	CadSNP9569	<i>Desi</i>	Ca_Desig_Scaffold01225	77233	(A/G)
33975	CadSNP9570	<i>Desi</i>	Ca_Desig_Scaffold01226	35473	(T/C)
33976	CadSNP9571	<i>Desi</i>	Ca_Desig_Scaffold01226	35502	(G/T)
33977	CadSNP9572	<i>Desi</i>	Ca_Desig_Scaffold01226	45419	(C/T)
33978	CadSNP9573	<i>Desi</i>	Ca_Desig_Scaffold01226	81297	(C/T)
33979	CadSNP9574	<i>Desi</i>	Ca_Desig_Scaffold01226	82899	(G/A)
33980	CadSNP9575	<i>Desi</i>	Ca_Desig_Scaffold01226	83176	(T/C)
33981	CadSNP9576	<i>Desi</i>	Ca_Desig_Scaffold01226	83148	(A/C)
33982	CadSNP9577	<i>Desi</i>	Ca_Desig_Scaffold01229	17527	(G/C)
33983	CadSNP9578	<i>Desi</i>	Ca_Desig_Scaffold01229	20555	(A/C)
33984	CadSNP9579	<i>Desi</i>	Ca_Desig_Scaffold01229	20562	(T/A)
33985	CadSNP9580	<i>Desi</i>	Ca_Desig_Scaffold01229	20567	(G/A)
33986	CadSNP9581	<i>Desi</i>	Ca_Desig_Scaffold01229	20597	(G/A)
33987	CadSNP9582	<i>Desi</i>	Ca_Desig_Scaffold01229	20609	(T/G)
33988	CadSNP9583	<i>Desi</i>	Ca_Desig_Scaffold01230	4847	(C/G)
33989	CadSNP9584	<i>Desi</i>	Ca_Desig_Scaffold01230	4806	(G/A)
33990	CadSNP9585	<i>Desi</i>	Ca_Desig_Scaffold01230	4814	(A/C)
33991	CadSNP9586	<i>Desi</i>	Ca_Desig_Scaffold01230	4822	(G/A)
33992	CadSNP9587	<i>Desi</i>	Ca_Desig_Scaffold01230	4823	(C/T)
33993	CadSNP9588	<i>Desi</i>	Ca_Desig_Scaffold01230	4915	(T/C)
33994	CadSNP9589	<i>Desi</i>	Ca_Desig_Scaffold01230	10618	(A/G)
33995	CadSNP9590	<i>Desi</i>	Ca_Desig_Scaffold01231	77445	(C/T)
33996	CadSNP9591	<i>Desi</i>	Ca_Desig_Scaffold01231	77529	(G/A)
33997	CadSNP9592	<i>Desi</i>	Ca_Desig_Scaffold01232	42512	(A/G)
33998	CadSNP9593	<i>Desi</i>	Ca_Desig_Scaffold01232	42514	(T/G)
33999	CadSNP9594	<i>Desi</i>	Ca_Desig_Scaffold01232	42528	(A/G)
34000	CadSNP9595	<i>Desi</i>	Ca_Desig_Scaffold01232	42529	(C/A)
34001	CadSNP9596	<i>Desi</i>	Ca_Desig_Scaffold01232	42555	(G/A)
34002	CadSNP9597	<i>Desi</i>	Ca_Desig_Scaffold01234	19961	(A/C)
34003	CadSNP9598	<i>Desi</i>	Ca_Desig_Scaffold01234	43462	(A/C)
34004	CadSNP9599	<i>Desi</i>	Ca_Desig_Scaffold01235	55390	(G/C)
34005	CadSNP9600	<i>Desi</i>	Ca_Desig_Scaffold01235	55417	(G/C)
34006	CadSNP9601	<i>Desi</i>	Ca_Desig_Scaffold01236	65369	(T/G)
34007	CadSNP9602	<i>Desi</i>	Ca_Desig_Scaffold01236	182660	(A/G)
34008	CadSNP9603	<i>Desi</i>	Ca_Desig_Scaffold01236	182812	(G/A)
34009	CadSNP9604	<i>Desi</i>	Ca_Desig_Scaffold01236	196844	(T/C)

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34010	CadSNP9605	<i>Desi</i>	Ca_Desig_Scaffold01236	338504	(C/T)
34011	CadSNP9606	<i>Desi</i>	Ca_Desig_Scaffold01236	434162	(T/G)
34012	CadSNP9607	<i>Desi</i>	Ca_Desig_Scaffold01236	440001	(G/A)
34013	CadSNP9608	<i>Desi</i>	Ca_Desig_Scaffold01236	532555	(A/C)
34014	CadSNP9609	<i>Desi</i>	Ca_Desig_Scaffold01236	576787	(T/G)
34015	CadSNP9610	<i>Desi</i>	Ca_Desig_Scaffold01236	576825	(T/G)
34016	CadSNP9611	<i>Desi</i>	Ca_Desig_Scaffold01236	576826	(G/A)
34017	CadSNP9612	<i>Desi</i>	Ca_Desig_Scaffold01236	576834	(G/A)
34018	CadSNP9613	<i>Desi</i>	Ca_Desig_Scaffold01236	577619	(A/T)
34019	CadSNP9614	<i>Desi</i>	Ca_Desig_Scaffold01236	577705	(A/T)
34020	CadSNP9615	<i>Desi</i>	Ca_Desig_Scaffold01237	18876	(G/A)
34021	CadSNP9616	<i>Desi</i>	Ca_Desig_Scaffold01237	19544	(C/G)
34022	CadSNP9617	<i>Desi</i>	Ca_Desig_Scaffold01237	25073	(G/A)
34023	CadSNP9618	<i>Desi</i>	Ca_Desig_Scaffold01237	25084	(T/C)
34024	CadSNP9619	<i>Desi</i>	Ca_Desig_Scaffold01237	25109	(C/T)
34025	CadSNP9620	<i>Desi</i>	Ca_Desig_Scaffold01237	25097	(C/A)
34026	CadSNP9621	<i>Desi</i>	Ca_Desig_Scaffold01239	40213	(T/C)
34027	CadSNP9622	<i>Desi</i>	Ca_Desig_Scaffold01241	25391	(G/A)
34028	CadSNP9623	<i>Desi</i>	Ca_Desig_Scaffold01241	74524	(A/G)
34029	CadSNP9624	<i>Desi</i>	Ca_Desig_Scaffold01242	8426	(G/A)
34030	CadSNP9625	<i>Desi</i>	Ca_Desig_Scaffold01242	14586	(G/A)
34031	CadSNP9626	<i>Desi</i>	Ca_Desig_Scaffold01242	52850	(C/A)
34032	CadSNP9627	<i>Desi</i>	Ca_Desig_Scaffold01242	52830	(A/G)
34033	CadSNP9628	<i>Desi</i>	Ca_Desig_Scaffold01244	7664	(G/A)
34034	CadSNP9629	<i>Desi</i>	Ca_Desig_Scaffold01245	68014	(T/C)
34035	CadSNP9630	<i>Desi</i>	Ca_Desig_Scaffold01245	68046	(T/C)
34036	CadSNP9631	<i>Desi</i>	Ca_Desig_Scaffold01245	68138	(C/T)
34037	CadSNP9632	<i>Desi</i>	Ca_Desig_Scaffold01245	70478	(A/G)
34038	CadSNP9633	<i>Desi</i>	Ca_Desig_Scaffold01245	70566	(A/G)
34039	CadSNP9634	<i>Desi</i>	Ca_Desig_Scaffold01246	32256	(T/A)
34040	CadSNP9635	<i>Desi</i>	Ca_Desig_Scaffold01246	32195	(G/T)
34041	CadSNP9636	<i>Desi</i>	Ca_Desig_Scaffold01246	61133	(G/T)
34042	CadSNP9637	<i>Desi</i>	Ca_Desig_Scaffold01247	52151	(G/T)
34043	CadSNP9638	<i>Desi</i>	Ca_Desig_Scaffold01247	105597	(C/G)
34044	CadSNP9639	<i>Desi</i>	Ca_Desig_Scaffold01250	65931	(G/T)
34045	CadSNP9640	<i>Desi</i>	Ca_Desig_Scaffold01251	45771	(A/C)
34046	CadSNP9641	<i>Desi</i>	Ca_Desig_Scaffold01251	45868	(C/A)
34047	CadSNP9642	<i>Desi</i>	Ca_Desig_Scaffold01251	46001	(G/A)

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34048	CadSNP9643	<i>Desi</i>	Ca_Desig_Scaffold01251	49508	(C/T)
34049	CadSNP9644	<i>Desi</i>	Ca_Desig_Scaffold01253	2934	(T/G)
34050	CadSNP9645	<i>Desi</i>	Ca_Desig_Scaffold01253	21277	(C/G)
34051	CadSNP9646	<i>Desi</i>	Ca_Desig_Scaffold01253	21324	(A/T)
34052	CadSNP9647	<i>Desi</i>	Ca_Desig_Scaffold01253	21338	(T/G)
34053	CadSNP9648	<i>Desi</i>	Ca_Desig_Scaffold01253	21348	(G/C)
34054	CadSNP9649	<i>Desi</i>	Ca_Desig_Scaffold01254	54262	(A/T)
34055	CadSNP9650	<i>Desi</i>	Ca_Desig_Scaffold01257	52914	(C/A)
34056	CadSNP9651	<i>Desi</i>	Ca_Desig_Scaffold01257	52915	(A/G)
34057	CadSNP9652	<i>Desi</i>	Ca_Desig_Scaffold01258	30943	(C/G)
34058	CadSNP9653	<i>Desi</i>	Ca_Desig_Scaffold01258	79543	(C/T)
34059	CadSNP9654	<i>Desi</i>	Ca_Desig_Scaffold01258	79546	(G/A)
34060	CadSNP9655	<i>Desi</i>	Ca_Desig_Scaffold01258	79571	(C/A)
34061	CadSNP9656	<i>Desi</i>	Ca_Desig_Scaffold01258	79572	(G/C)
34062	CadSNP9657	<i>Desi</i>	Ca_Desig_Scaffold01258	79601	(C/A)
34063	CadSNP9658	<i>Desi</i>	Ca_Desig_Scaffold01258	79658	(G/A)
34064	CadSNP9659	<i>Desi</i>	Ca_Desig_Scaffold01258	79655	(G/T)
34065	CadSNP9660	<i>Desi</i>	Ca_Desig_Scaffold01258	79643	(T/A)
34066	CadSNP9661	<i>Desi</i>	Ca_Desig_Scaffold01258	80323	(T/C)
34067	CadSNP9662	<i>Desi</i>	Ca_Desig_Scaffold01260	80684	(A/C)
34068	CadSNP9663	<i>Desi</i>	Ca_Desig_Scaffold01262	53567	(C/A)
34069	CadSNP9664	<i>Desi</i>	Ca_Desig_Scaffold01262	53659	(C/T)
34070	CadSNP9665	<i>Desi</i>	Ca_Desig_Scaffold01264	118715	(G/A)
34071	CadSNP9666	<i>Desi</i>	Ca_Desig_Scaffold01266	35105	(C/T)
34072	CadSNP9667	<i>Desi</i>	Ca_Desig_Scaffold01276	4517	(G/A)
34073	CadSNP9668	<i>Desi</i>	Ca_Desig_Scaffold01276	27994	(T/G)
34074	CadSNP9669	<i>Desi</i>	Ca_Desig_Scaffold01276	28051	(G/A)
34075	CadSNP9670	<i>Desi</i>	Ca_Desig_Scaffold01276	28033	(T/C)
34076	CadSNP9671	<i>Desi</i>	Ca_Desig_Scaffold01276	28015	(G/A)
34077	CadSNP9672	<i>Desi</i>	Ca_Desig_Scaffold01280	1792	(C/T)
34078	CadSNP9673	<i>Desi</i>	Ca_Desig_Scaffold01282	47488	(G/A)
34079	CadSNP9674	<i>Desi</i>	Ca_Desig_Scaffold01282	48118	(T/C)
34080	CadSNP9675	<i>Desi</i>	Ca_Desig_Scaffold01282	75715	(T/G)
34081	CadSNP9676	<i>Desi</i>	Ca_Desig_Scaffold01282	75655	(C/T)
34082	CadSNP9677	<i>Desi</i>	Ca_Desig_Scaffold01282	75640	(C/T)
34083	CadSNP9678	<i>Desi</i>	Ca_Desig_Scaffold01285	49880	(A/C)
34084	CadSNP9679	<i>Desi</i>	Ca_Desig_Scaffold01285	49875	(C/T)
34085	CadSNP9680	<i>Desi</i>	Ca_Desig_Scaffold01285	49863	(G/C)

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34086	CadSNP9681	<i>Desi</i>	Ca_Desig_Scaffold01285	49859	(C/A)
34087	CadSNP9682	<i>Desi</i>	Ca_Desig_Scaffold01288	16788	(G/A)
34088	CadSNP9683	<i>Desi</i>	Ca_Desig_Scaffold01288	16786	(G/A)
34089	CadSNP9684	<i>Desi</i>	Ca_Desig_Scaffold01288	16780	(A/G)
34090	CadSNP9685	<i>Desi</i>	Ca_Desig_Scaffold01288	17692	(A/G)
34091	CadSNP9686	<i>Desi</i>	Ca_Desig_Scaffold01288	17933	(A/T)
34092	CadSNP9687	<i>Desi</i>	Ca_Desig_Scaffold01289	7943	(A/T)
34093	CadSNP9688	<i>Desi</i>	Ca_Desig_Scaffold01289	27140	(A/G)
34094	CadSNP9689	<i>Desi</i>	Ca_Desig_Scaffold01289	27150	(T/A)
34095	CadSNP9690	<i>Desi</i>	Ca_Desig_Scaffold01289	42358	(A/G)
34096	CadSNP9691	<i>Desi</i>	Ca_Desig_Scaffold01289	42388	(C/G)
34097	CadSNP9692	<i>Desi</i>	Ca_Desig_Scaffold01289	42669	(T/A)
34098	CadSNP9693	<i>Desi</i>	Ca_Desig_Scaffold01289	51956	(T/C)
34099	CadSNP9694	<i>Desi</i>	Ca_Desig_Scaffold01289	79148	(T/C)
34100	CadSNP9695	<i>Desi</i>	Ca_Desig_Scaffold01289	79287	(C/T)
34101	CadSNP9696	<i>Desi</i>	Ca_Desig_Scaffold01290	25520	(T/G)
34102	CadSNP9697	<i>Desi</i>	Ca_Desig_Scaffold01290	25522	(A/G)
34103	CadSNP9698	<i>Desi</i>	Ca_Desig_Scaffold01290	25654	(G/A)
34104	CadSNP9699	<i>Desi</i>	Ca_Desig_Scaffold01290	25662	(G/A)
34105	CadSNP9700	<i>Desi</i>	Ca_Desig_Scaffold01290	25671	(G/A)
34106	CadSNP9701	<i>Desi</i>	Ca_Desig_Scaffold01290	25673	(C/A)
34107	CadSNP9702	<i>Desi</i>	Ca_Desig_Scaffold01290	29546	(A/C)
34108	CadSNP9703	<i>Desi</i>	Ca_Desig_Scaffold01290	33887	(C/A)
34109	CadSNP9704	<i>Desi</i>	Ca_Desig_Scaffold01290	33898	(G/A)
34110	CadSNP9705	<i>Desi</i>	Ca_Desig_Scaffold01290	33913	(C/T)
34111	CadSNP9706	<i>Desi</i>	Ca_Desig_Scaffold01290	41347	(A/G)
34112	CadSNP9707	<i>Desi</i>	Ca_Desig_Scaffold01291	29063	(C/T)
34113	CadSNP9708	<i>Desi</i>	Ca_Desig_Scaffold01291	29089	(G/A)
34114	CadSNP9709	<i>Desi</i>	Ca_Desig_Scaffold01291	44891	(T/C)
34115	CadSNP9710	<i>Desi</i>	Ca_Desig_Scaffold01291	45277	(T/G)
34116	CadSNP9711	<i>Desi</i>	Ca_Desig_Scaffold01291	46762	(A/G)
34117	CadSNP9712	<i>Desi</i>	Ca_Desig_Scaffold01291	70381	(G/A)
34118	CadSNP9713	<i>Desi</i>	Ca_Desig_Scaffold01292	51660	(G/A)
34119	CadSNP9714	<i>Desi</i>	Ca_Desig_Scaffold01292	73208	(G/A)
34120	CadSNP9715	<i>Desi</i>	Ca_Desig_Scaffold01296	9310	(C/A)
34121	CadSNP9716	<i>Desi</i>	Ca_Desig_Scaffold01296	12593	(A/G)
34122	CadSNP9717	<i>Desi</i>	Ca_Desig_Scaffold01296	12626	(A/G)
34123	CadSNP9718	<i>Desi</i>	Ca_Desig_Scaffold01296	12900	(T/A)

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34124	CadSNP9719	<i>Desi</i>	Ca_Desig_Scaffold01296	13845	(A/G)
34125	CadSNP9720	<i>Desi</i>	Ca_Desig_Scaffold01296	13802	(G/A)
34126	CadSNP9721	<i>Desi</i>	Ca_Desig_Scaffold01296	13800	(G/A)
34127	CadSNP9722	<i>Desi</i>	Ca_Desig_Scaffold01297	7239	(C/T)
34128	CadSNP9723	<i>Desi</i>	Ca_Desig_Scaffold01297	7244	(A/C)
34129	CadSNP9724	<i>Desi</i>	Ca_Desig_Scaffold01297	7248	(C/T)
34130	CadSNP9725	<i>Desi</i>	Ca_Desig_Scaffold01297	7341	(G/T)
34131	CadSNP9726	<i>Desi</i>	Ca_Desig_Scaffold01297	17121	(C/T)
34132	CadSNP9727	<i>Desi</i>	Ca_Desig_Scaffold01297	17371	(C/A)
34133	CadSNP9728	<i>Desi</i>	Ca_Desig_Scaffold01297	17433	(A/G)
34134	CadSNP9729	<i>Desi</i>	Ca_Desig_Scaffold01297	46499	(A/C)
34135	CadSNP9730	<i>Desi</i>	Ca_Desig_Scaffold01306	71177	(A/G)
34136	CadSNP9731	<i>Desi</i>	Ca_Desig_Scaffold01310	32838	(G/C)
34137	CadSNP9732	<i>Desi</i>	Ca_Desig_Scaffold01310	32888	(C/T)
34138	CadSNP9733	<i>Desi</i>	Ca_Desig_Scaffold01310	38405	(T/G)
34139	CadSNP9734	<i>Desi</i>	Ca_Desig_Scaffold01310	38409	(T/G)
34140	CadSNP9735	<i>Desi</i>	Ca_Desig_Scaffold01310	38414	(A/C)
34141	CadSNP9736	<i>Desi</i>	Ca_Desig_Scaffold01312	58574	(T/C)
34142	CadSNP9737	<i>Desi</i>	Ca_Desig_Scaffold01313	54011	(T/A)
34143	CadSNP9738	<i>Desi</i>	Ca_Desig_Scaffold01313	63262	(G/A)
34144	CadSNP9739	<i>Desi</i>	Ca_Desig_Scaffold01313	63242	(T/A)
34145	CadSNP9740	<i>Desi</i>	Ca_Desig_Scaffold01313	63401	(C/T)
34146	CadSNP9741	<i>Desi</i>	Ca_Desig_Scaffold01313	63388	(G/C)
34147	CadSNP9742	<i>Desi</i>	Ca_Desig_Scaffold01313	63353	(A/C)
34148	CadSNP9743	<i>Desi</i>	Ca_Desig_Scaffold01313	65675	(A/G)
34149	CadSNP9744	<i>Desi</i>	Ca_Desig_Scaffold01315	67964	(T/C)
34150	CadSNP9745	<i>Desi</i>	Ca_Desig_Scaffold01319	706	(G/A)
34151	CadSNP9746	<i>Desi</i>	Ca_Desig_Scaffold01319	714	(A/G)
34152	CadSNP9747	<i>Desi</i>	Ca_Desig_Scaffold01319	726	(A/G)
34153	CadSNP9748	<i>Desi</i>	Ca_Desig_Scaffold01319	74585	(C/T)
34154	CadSNP9749	<i>Desi</i>	Ca_Desig_Scaffold01319	74583	(C/T)
34155	CadSNP9750	<i>Desi</i>	Ca_Desig_Scaffold01319	74574	(A/G)
34156	CadSNP9751	<i>Desi</i>	Ca_Desig_Scaffold01319	74546	(T/C)
34157	CadSNP9752	<i>Desi</i>	Ca_Desig_Scaffold01319	74533	(G/A)
34158	CadSNP9753	<i>Desi</i>	Ca_Desig_Scaffold01319	74523	(G/A)
34159	CadSNP9754	<i>Desi</i>	Ca_Desig_Scaffold01319	74520	(T/C)
34160	CadSNP9755	<i>Desi</i>	Ca_Desig_Scaffold01324	24240	(A/G)
34161	CadSNP9756	<i>Desi</i>	Ca_Desig_Scaffold01326	18720	(T/C)

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34162	CadSNP9757	<i>Desi</i>	Ca_Desig_Scaffold01326	27914	(G/A)
34163	CadSNP9758	<i>Desi</i>	Ca_Desig_Scaffold01326	30430	(A/G)
34164	CadSNP9759	<i>Desi</i>	Ca_Desig_Scaffold01326	30541	(G/A)
34165	CadSNP9760	<i>Desi</i>	Ca_Desig_Scaffold01327	19698	(C/T)
34166	CadSNP9761	<i>Desi</i>	Ca_Desig_Scaffold01329	67103	(C/A)
34167	CadSNP9762	<i>Desi</i>	Ca_Desig_Scaffold01332	58278	(C/T)
34168	CadSNP9763	<i>Desi</i>	Ca_Desig_Scaffold01332	58269	(A/G)
34169	CadSNP9764	<i>Desi</i>	Ca_Desig_Scaffold01332	58265	(G/A)
34170	CadSNP9765	<i>Desi</i>	Ca_Desig_Scaffold01333	163286	(A/T)
34171	CadSNP9766	<i>Desi</i>	Ca_Desig_Scaffold01335	64645	(C/A)
34172	CadSNP9767	<i>Desi</i>	Ca_Desig_Scaffold01337	22211	(C/T)
34173	CadSNP9768	<i>Desi</i>	Ca_Desig_Scaffold01337	28009	(A/C)
34174	CadSNP9769	<i>Desi</i>	Ca_Desig_Scaffold01341	12192	(T/A)
34175	CadSNP9770	<i>Desi</i>	Ca_Desig_Scaffold01341	12206	(T/C)
34176	CadSNP9771	<i>Desi</i>	Ca_Desig_Scaffold01341	12323	(A/G)
34177	CadSNP9772	<i>Desi</i>	Ca_Desig_Scaffold01341	12360	(A/G)
34178	CadSNP9773	<i>Desi</i>	Ca_Desig_Scaffold01341	27371	(C/T)
34179	CadSNP9774	<i>Desi</i>	Ca_Desig_Scaffold01341	27377	(T/C)
34180	CadSNP9775	<i>Desi</i>	Ca_Desig_Scaffold01341	47592	(G/C)
34181	CadSNP9776	<i>Desi</i>	Ca_Desig_Scaffold01341	47629	(A/G)
34182	CadSNP9777	<i>Desi</i>	Ca_Desig_Scaffold01341	47653	(T/C)
34183	CadSNP9778	<i>Desi</i>	Ca_Desig_Scaffold01341	54142	(C/A)
34184	CadSNP9779	<i>Desi</i>	Ca_Desig_Scaffold01344	28018	(T/G)
34185	CadSNP9780	<i>Desi</i>	Ca_Desig_Scaffold01344	28025	(G/T)
34186	CadSNP9781	<i>Desi</i>	Ca_Desig_Scaffold01344	28104	(A/G)
34187	CadSNP9782	<i>Desi</i>	Ca_Desig_Scaffold01344	37671	(G/A)
34188	CadSNP9783	<i>Desi</i>	Ca_Desig_Scaffold01345	24202	(A/G)
34189	CadSNP9784	<i>Desi</i>	Ca_Desig_Scaffold01346	38572	(G/T)
34190	CadSNP9785	<i>Desi</i>	Ca_Desig_Scaffold01347	72462	(C/T)
34191	CadSNP9786	<i>Desi</i>	Ca_Desig_Scaffold01347	72465	(A/T)
34192	CadSNP9787	<i>Desi</i>	Ca_Desig_Scaffold01347	81667	(G/T)
34193	CadSNP9788	<i>Desi</i>	Ca_Desig_Scaffold01347	81710	(T/C)
34194	CadSNP9789	<i>Desi</i>	Ca_Desig_Scaffold01347	93317	(G/A)
34195	CadSNP9790	<i>Desi</i>	Ca_Desig_Scaffold01347	93314	(A/T)
34196	CadSNP9791	<i>Desi</i>	Ca_Desig_Scaffold01349	31631	(A/G)
34197	CadSNP9792	<i>Desi</i>	Ca_Desig_Scaffold01349	61975	(T/C)
34198	CadSNP9793	<i>Desi</i>	Ca_Desig_Scaffold01349	62142	(A/G)
34199	CadSNP9794	<i>Desi</i>	Ca_Desig_Scaffold01349	62157	(T/A)

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34200	CadSNP9795	<i>Desi</i>	Ca_Desig_Scaffold01354	7270	(C/A)
34201	CadSNP9796	<i>Desi</i>	Ca_Desig_Scaffold01354	7303	(T/C)
34202	CadSNP9797	<i>Desi</i>	Ca_Desig_Scaffold01354	64199	(A/G)
34203	CadSNP9798	<i>Desi</i>	Ca_Desig_Scaffold01354	64202	(T/A)
34204	CadSNP9799	<i>Desi</i>	Ca_Desig_Scaffold01354	64262	(A/T)
34205	CadSNP9800	<i>Desi</i>	Ca_Desig_Scaffold01354	64767	(T/A)
34206	CadSNP9801	<i>Desi</i>	Ca_Desig_Scaffold01355	43920	(A/G)
34207	CadSNP9802	<i>Desi</i>	Ca_Desig_Scaffold01356	65978	(T/C)
34208	CadSNP9803	<i>Desi</i>	Ca_Desig_Scaffold01356	65981	(T/C)
34209	CadSNP9804	<i>Desi</i>	Ca_Desig_Scaffold01357	44633	(C/A)
34210	CadSNP9805	<i>Desi</i>	Ca_Desig_Scaffold01358	11100	(A/G)
34211	CadSNP9806	<i>Desi</i>	Ca_Desig_Scaffold01359	8558	(A/C)
34212	CadSNP9807	<i>Desi</i>	Ca_Desig_Scaffold01361	69013	(A/T)
34213	CadSNP9808	<i>Desi</i>	Ca_Desig_Scaffold01365	50289	(G/T)
34214	CadSNP9809	<i>Desi</i>	Ca_Desig_Scaffold01365	67835	(C/T)
34215	CadSNP9810	<i>Desi</i>	Ca_Desig_Scaffold01365	67839	(T/C)
34216	CadSNP9811	<i>Desi</i>	Ca_Desig_Scaffold01365	67841	(A/C)
34217	CadSNP9812	<i>Desi</i>	Ca_Desig_Scaffold01368	66942	(C/T)
34218	CadSNP9813	<i>Desi</i>	Ca_Desig_Scaffold01369	69754	(G/A)
34219	CadSNP9814	<i>Desi</i>	Ca_Desig_Scaffold01372	23756	(T/C)
34220	CadSNP9815	<i>Desi</i>	Ca_Desig_Scaffold01372	23796	(A/G)
34221	CadSNP9816	<i>Desi</i>	Ca_Desig_Scaffold01372	24083	(A/G)
34222	CadSNP9817	<i>Desi</i>	Ca_Desig_Scaffold01372	26659	(T/C)
34223	CadSNP9818	<i>Desi</i>	Ca_Desig_Scaffold01372	26677	(G/A)
34224	CadSNP9819	<i>Desi</i>	Ca_Desig_Scaffold01372	26680	(G/A)
34225	CadSNP9820	<i>Desi</i>	Ca_Desig_Scaffold01372	26751	(A/T)
34226	CadSNP9821	<i>Desi</i>	Ca_Desig_Scaffold01372	27350	(A/C)
34227	CadSNP9822	<i>Desi</i>	Ca_Desig_Scaffold01372	50036	(C/T)
34228	CadSNP9823	<i>Desi</i>	Ca_Desig_Scaffold01374	67095	(T/C)
34229	CadSNP9824	<i>Desi</i>	Ca_Desig_Scaffold01374	67162	(A/T)
34230	CadSNP9825	<i>Desi</i>	Ca_Desig_Scaffold01374	73668	(C/T)
34231	CadSNP9826	<i>Desi</i>	Ca_Desig_Scaffold01375	46182	(G/A)
34232	CadSNP9827	<i>Desi</i>	Ca_Desig_Scaffold01376	27474	(T/C)
34233	CadSNP9828	<i>Desi</i>	Ca_Desig_Scaffold01376	27492	(T/C)
34234	CadSNP9829	<i>Desi</i>	Ca_Desig_Scaffold01376	51851	(T/C)
34235	CadSNP9830	<i>Desi</i>	Ca_Desig_Scaffold01376	51885	(G/C)
34236	CadSNP9831	<i>Desi</i>	Ca_Desig_Scaffold01376	58703	(T/C)
34237	CadSNP9832	<i>Desi</i>	Ca_Desig_Scaffold01376	58737	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34238	CadSNP9833	<i>Desi</i>	Ca_Desig_Scaffold01380	36047	(T/G)
34239	CadSNP9834	<i>Desi</i>	Ca_Desig_Scaffold01383	23063	(T/A)
34240	CadSNP9835	<i>Desi</i>	Ca_Desig_Scaffold01383	43410	(A/G)
34241	CadSNP9836	<i>Desi</i>	Ca_Desig_Scaffold01383	43613	(G/C)
34242	CadSNP9837	<i>Desi</i>	Ca_Desig_Scaffold01385	228376	(C/A)
34243	CadSNP9838	<i>Desi</i>	Ca_Desig_Scaffold01387	33651	(T/C)
34244	CadSNP9839	<i>Desi</i>	Ca_Desig_Scaffold01388	49117	(T/A)
34245	CadSNP9840	<i>Desi</i>	Ca_Desig_Scaffold01389	10306	(C/T)
34246	CadSNP9841	<i>Desi</i>	Ca_Desig_Scaffold01390	18103	(A/G)
34247	CadSNP9842	<i>Desi</i>	Ca_Desig_Scaffold01390	18089	(G/A)
34248	CadSNP9843	<i>Desi</i>	Ca_Desig_Scaffold01390	18085	(A/G)
34249	CadSNP9844	<i>Desi</i>	Ca_Desig_Scaffold01390	21690	(T/A)
34250	CadSNP9845	<i>Desi</i>	Ca_Desig_Scaffold01390	21743	(A/T)
34251	CadSNP9846	<i>Desi</i>	Ca_Desig_Scaffold01390	21748	(C/T)
34252	CadSNP9847	<i>Desi</i>	Ca_Desig_Scaffold01392	3705	(G/A)
34253	CadSNP9848	<i>Desi</i>	Ca_Desig_Scaffold01392	3723	(T/A)
34254	CadSNP9849	<i>Desi</i>	Ca_Desig_Scaffold01392	3748	(C/G)
34255	CadSNP9850	<i>Desi</i>	Ca_Desig_Scaffold01392	3758	(C/T)
34256	CadSNP9851	<i>Desi</i>	Ca_Desig_Scaffold01392	47703	(C/T)
34257	CadSNP9852	<i>Desi</i>	Ca_Desig_Scaffold01392	47670	(A/G)
34258	CadSNP9853	<i>Desi</i>	Ca_Desig_Scaffold01392	55527	(A/G)
34259	CadSNP9854	<i>Desi</i>	Ca_Desig_Scaffold01392	57007	(T/A)
34260	CadSNP9855	<i>Desi</i>	Ca_Desig_Scaffold01392	57006	(A/G)
34261	CadSNP9856	<i>Desi</i>	Ca_Desig_Scaffold01393	73646	(T/C)
34262	CadSNP9857	<i>Desi</i>	Ca_Desig_Scaffold01393	73643	(C/A)
34263	CadSNP9858	<i>Desi</i>	Ca_Desig_Scaffold01393	73634	(T/A)
34264	CadSNP9859	<i>Desi</i>	Ca_Desig_Scaffold01393	73633	(T/A)
34265	CadSNP9860	<i>Desi</i>	Ca_Desig_Scaffold01393	73596	(T/A)
34266	CadSNP9861	<i>Desi</i>	Ca_Desig_Scaffold01393	73588	(G/T)
34267	CadSNP9862	<i>Desi</i>	Ca_Desig_Scaffold01394	1042	(T/C)
34268	CadSNP9863	<i>Desi</i>	Ca_Desig_Scaffold01394	1081	(G/A)
34269	CadSNP9864	<i>Desi</i>	Ca_Desig_Scaffold01394	1879	(G/C)
34270	CadSNP9865	<i>Desi</i>	Ca_Desig_Scaffold01394	42463	(C/T)
34271	CadSNP9866	<i>Desi</i>	Ca_Desig_Scaffold01394	42437	(T/C)
34272	CadSNP9867	<i>Desi</i>	Ca_Desig_Scaffold01401	24906	(T/C)
34273	CadSNP9868	<i>Desi</i>	Ca_Desig_Scaffold01402	49993	(A/C)
34274	CadSNP9869	<i>Desi</i>	Ca_Desig_Scaffold01404	69589	(C/T)
34275	CadSNP9870	<i>Desi</i>	Ca_Desig_Scaffold01404	69592	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34276	CadSNP9871	<i>Desi</i>	Ca_Desig_Scaffold01404	69621	(C/T)
34277	CadSNP9872	<i>Desi</i>	Ca_Desig_Scaffold01404	69634	(T/C)
34278	CadSNP9873	<i>Desi</i>	Ca_Desig_Scaffold01405	19756	(C/T)
34279	CadSNP9874	<i>Desi</i>	Ca_Desig_Scaffold01405	19800	(A/G)
34280	CadSNP9875	<i>Desi</i>	Ca_Desig_Scaffold01405	60212	(T/C)
34281	CadSNP9876	<i>Desi</i>	Ca_Desig_Scaffold01409	7376	(G/A)
34282	CadSNP9877	<i>Desi</i>	Ca_Desig_Scaffold01412	36937	(G/A)
34283	CadSNP9878	<i>Desi</i>	Ca_Desig_Scaffold01412	46625	(G/A)
34284	CadSNP9879	<i>Desi</i>	Ca_Desig_Scaffold01412	46640	(A/G)
34285	CadSNP9880	<i>Desi</i>	Ca_Desig_Scaffold01412	51591	(A/C)
34286	CadSNP9881	<i>Desi</i>	Ca_Desig_Scaffold01412	51607	(A/C)
34287	CadSNP9882	<i>Desi</i>	Ca_Desig_Scaffold01412	51653	(G/A)
34288	CadSNP9883	<i>Desi</i>	Ca_Desig_Scaffold01413	7501	(T/C)
34289	CadSNP9884	<i>Desi</i>	Ca_Desig_Scaffold01413	7535	(C/T)
34290	CadSNP9885	<i>Desi</i>	Ca_Desig_Scaffold01413	27692	(A/G)
34291	CadSNP9886	<i>Desi</i>	Ca_Desig_Scaffold01413	37194	(A/G)
34292	CadSNP9887	<i>Desi</i>	Ca_Desig_Scaffold01413	37235	(A/G)
34293	CadSNP9888	<i>Desi</i>	Ca_Desig_Scaffold01413	37317	(G/A)
34294	CadSNP9889	<i>Desi</i>	Ca_Desig_Scaffold01413	37310	(G/C)
34295	CadSNP9890	<i>Desi</i>	Ca_Desig_Scaffold01413	41418	(C/T)
34296	CadSNP9891	<i>Desi</i>	Ca_Desig_Scaffold01413	42097	(T/A)
34297	CadSNP9892	<i>Desi</i>	Ca_Desig_Scaffold01422	52779	(T/C)
34298	CadSNP9893	<i>Desi</i>	Ca_Desig_Scaffold01422	53474	(T/G)
34299	CadSNP9894	<i>Desi</i>	Ca_Desig_Scaffold01422	53520	(C/T)
34300	CadSNP9895	<i>Desi</i>	Ca_Desig_Scaffold01425	45586	(C/T)
34301	CadSNP9896	<i>Desi</i>	Ca_Desig_Scaffold01425	64611	(G/A)
34302	CadSNP9897	<i>Desi</i>	Ca_Desig_Scaffold01425	64599	(C/A)
34303	CadSNP9898	<i>Desi</i>	Ca_Desig_Scaffold01425	70389	(A/T)
34304	CadSNP9899	<i>Desi</i>	Ca_Desig_Scaffold01426	37000	(C/G)
34305	CadSNP9900	<i>Desi</i>	Ca_Desig_Scaffold01426	36977	(G/T)
34306	CadSNP9901	<i>Desi</i>	Ca_Desig_Scaffold01426	36962	(G/A)
34307	CadSNP9902	<i>Desi</i>	Ca_Desig_Scaffold01426	64665	(C/T)
34308	CadSNP9903	<i>Desi</i>	Ca_Desig_Scaffold01427	5976	(A/G)
34309	CadSNP9904	<i>Desi</i>	Ca_Desig_Scaffold01427	6044	(C/A)
34310	CadSNP9905	<i>Desi</i>	Ca_Desig_Scaffold01427	6046	(T/C)
34311	CadSNP9906	<i>Desi</i>	Ca_Desig_Scaffold01427	29581	(G/T)
34312	CadSNP9907	<i>Desi</i>	Ca_Desig_Scaffold01427	42624	(A/T)
34313	CadSNP9908	<i>Desi</i>	Ca_Desig_Scaffold01428	74091	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34314	CadSNP9909	<i>Desi</i>	Ca_Desig_Scaffold01428	74135	(G/A)
34315	CadSNP9910	<i>Desi</i>	Ca_Desig_Scaffold01434	28093	(G/A)
34316	CadSNP9911	<i>Desi</i>	Ca_Desig_Scaffold01434	28237	(A/G)
34317	CadSNP9912	<i>Desi</i>	Ca_Desig_Scaffold01434	45523	(G/A)
34318	CadSNP9913	<i>Desi</i>	Ca_Desig_Scaffold01434	45627	(A/G)
34319	CadSNP9914	<i>Desi</i>	Ca_Desig_Scaffold01434	45618	(T/G)
34320	CadSNP9915	<i>Desi</i>	Ca_Desig_Scaffold01434	47804	(T/C)
34321	CadSNP9916	<i>Desi</i>	Ca_Desig_Scaffold01434	47837	(C/T)
34322	CadSNP9917	<i>Desi</i>	Ca_Desig_Scaffold01434	47897	(C/T)
34323	CadSNP9918	<i>Desi</i>	Ca_Desig_Scaffold01434	47947	(C/T)
34324	CadSNP9919	<i>Desi</i>	Ca_Desig_Scaffold01436	70487	(C/A)
34325	CadSNP9920	<i>Desi</i>	Ca_Desig_Scaffold01436	70514	(G/A)
34326	CadSNP9921	<i>Desi</i>	Ca_Desig_Scaffold01436	70516	(C/A)
34327	CadSNP9922	<i>Desi</i>	Ca_Desig_Scaffold01437	919	(A/G)
34328	CadSNP9923	<i>Desi</i>	Ca_Desig_Scaffold01438	24837	(C/T)
34329	CadSNP9924	<i>Desi</i>	Ca_Desig_Scaffold01441	27770	(T/G)
34330	CadSNP9925	<i>Desi</i>	Ca_Desig_Scaffold01441	35960	(C/G)
34331	CadSNP9926	<i>Desi</i>	Ca_Desig_Scaffold01444	20278	(G/A)
34332	CadSNP9927	<i>Desi</i>	Ca_Desig_Scaffold01444	20280	(G/A)
34333	CadSNP9928	<i>Desi</i>	Ca_Desig_Scaffold01444	20385	(T/C)
34334	CadSNP9929	<i>Desi</i>	Ca_Desig_Scaffold01444	20316	(C/G)
34335	CadSNP9930	<i>Desi</i>	Ca_Desig_Scaffold01444	48703	(T/A)
34336	CadSNP9931	<i>Desi</i>	Ca_Desig_Scaffold01444	48770	(T/C)
34337	CadSNP9932	<i>Desi</i>	Ca_Desig_Scaffold01448	23865	(A/C)
34338	CadSNP9933	<i>Desi</i>	Ca_Desig_Scaffold01448	46251	(C/A)
34339	CadSNP9934	<i>Desi</i>	Ca_Desig_Scaffold01448	46188	(T/C)
34340	CadSNP9935	<i>Desi</i>	Ca_Desig_Scaffold01448	56844	(T/G)
34341	CadSNP9936	<i>Desi</i>	Ca_Desig_Scaffold01459	898	(G/A)
34342	CadSNP9937	<i>Desi</i>	Ca_Desig_Scaffold01466	14097	(C/T)
34343	CadSNP9938	<i>Desi</i>	Ca_Desig_Scaffold01466	21933	(A/C)
34344	CadSNP9939	<i>Desi</i>	Ca_Desig_Scaffold01466	22109	(T/C)
34345	CadSNP9940	<i>Desi</i>	Ca_Desig_Scaffold01471	46132	(A/C)
34346	CadSNP9941	<i>Desi</i>	Ca_Desig_Scaffold01471	46241	(C/T)
34347	CadSNP9942	<i>Desi</i>	Ca_Desig_Scaffold01471	54113	(C/T)
34348	CadSNP9943	<i>Desi</i>	Ca_Desig_Scaffold01471	63505	(G/C)
34349	CadSNP9944	<i>Desi</i>	Ca_Desig_Scaffold01472	43696	(C/T)
34350	CadSNP9945	<i>Desi</i>	Ca_Desig_Scaffold01472	43713	(A/C)
34351	CadSNP9946	<i>Desi</i>	Ca_Desig_Scaffold01472	43720	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34352	CadSNP9947	<i>Desi</i>	Ca_Desig_Scaffold01472	43770	(T/C)
34353	CadSNP9948	<i>Desi</i>	Ca_Desig_Scaffold01472	44111	(G/C)
34354	CadSNP9949	<i>Desi</i>	Ca_Desig_Scaffold01473	83824	(T/G)
34355	CadSNP9950	<i>Desi</i>	Ca_Desig_Scaffold01473	83882	(T/C)
34356	CadSNP9951	<i>Desi</i>	Ca_Desig_Scaffold01473	83982	(C/T)
34357	CadSNP9952	<i>Desi</i>	Ca_Desig_Scaffold01473	83964	(C/A)
34358	CadSNP9953	<i>Desi</i>	Ca_Desig_Scaffold01475	37543	(A/G)
34359	CadSNP9954	<i>Desi</i>	Ca_Desig_Scaffold01475	37612	(G/A)
34360	CadSNP9955	<i>Desi</i>	Ca_Desig_Scaffold01475	37615	(C/T)
34361	CadSNP9956	<i>Desi</i>	Ca_Desig_Scaffold01475	39699	(G/A)
34362	CadSNP9957	<i>Desi</i>	Ca_Desig_Scaffold01475	96121	(G/T)
34363	CadSNP9958	<i>Desi</i>	Ca_Desig_Scaffold01475	96190	(T/C)
34364	CadSNP9959	<i>Desi</i>	Ca_Desig_Scaffold01477	17608	(G/A)
34365	CadSNP9960	<i>Desi</i>	Ca_Desig_Scaffold01477	45585	(A/T)
34366	CadSNP9961	<i>Desi</i>	Ca_Desig_Scaffold01477	45869	(T/C)
34367	CadSNP9962	<i>Desi</i>	Ca_Desig_Scaffold01477	68560	(C/T)
34368	CadSNP9963	<i>Desi</i>	Ca_Desig_Scaffold01477	68546	(A/T)
34369	CadSNP9964	<i>Desi</i>	Ca_Desig_Scaffold01477	68716	(G/A)
34370	CadSNP9965	<i>Desi</i>	Ca_Desig_Scaffold01478	53238	(C/A)
34371	CadSNP9966	<i>Desi</i>	Ca_Desig_Scaffold01478	58225	(A/T)
34372	CadSNP9967	<i>Desi</i>	Ca_Desig_Scaffold01478	58213	(T/C)
34373	CadSNP9968	<i>Desi</i>	Ca_Desig_Scaffold01478	58219	(A/C)
34374	CadSNP9969	<i>Desi</i>	Ca_Desig_Scaffold01478	58230	(C/A)
34375	CadSNP9970	<i>Desi</i>	Ca_Desig_Scaffold01478	58950	(A/G)
34376	CadSNP9971	<i>Desi</i>	Ca_Desig_Scaffold01478	58957	(A/T)
34377	CadSNP9972	<i>Desi</i>	Ca_Desig_Scaffold01478	59007	(T/C)
34378	CadSNP9973	<i>Desi</i>	Ca_Desig_Scaffold01478	59052	(G/A)
34379	CadSNP9974	<i>Desi</i>	Ca_Desig_Scaffold01478	59043	(A/T)
34380	CadSNP9975	<i>Desi</i>	Ca_Desig_Scaffold01478	64875	(G/A)
34381	CadSNP9976	<i>Desi</i>	Ca_Desig_Scaffold01479	36413	(A/G)
34382	CadSNP9977	<i>Desi</i>	Ca_Desig_Scaffold01480	49201	(C/G)
34383	CadSNP9978	<i>Desi</i>	Ca_Desig_Scaffold01483	21921	(C/A)
34384	CadSNP9979	<i>Desi</i>	Ca_Desig_Scaffold01483	21927	(A/G)
34385	CadSNP9980	<i>Desi</i>	Ca_Desig_Scaffold01484	25798	(A/C)
34386	CadSNP9981	<i>Desi</i>	Ca_Desig_Scaffold01484	25898	(A/T)
34387	CadSNP9982	<i>Desi</i>	Ca_Desig_Scaffold01484	36455	(C/T)
34388	CadSNP9983	<i>Desi</i>	Ca_Desig_Scaffold01484	47453	(T/A)
34389	CadSNP9984	<i>Desi</i>	Ca_Desig_Scaffold01484	47454	(C/G)

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34390	CadSNP9985	<i>Desi</i>	Ca_Desig_Scaffold01484	47540	(G/A)
34391	CadSNP9986	<i>Desi</i>	Ca_Desig_Scaffold01484	52236	(T/A)
34392	CadSNP9987	<i>Desi</i>	Ca_Desig_Scaffold01484	52239	(G/A)
34393	CadSNP9988	<i>Desi</i>	Ca_Desig_Scaffold01484	52302	(C/T)
34394	CadSNP9989	<i>Desi</i>	Ca_Desig_Scaffold01484	52363	(G/A)
34395	CadSNP9990	<i>Desi</i>	Ca_Desig_Scaffold01485	17915	(G/A)
34396	CadSNP9991	<i>Desi</i>	Ca_Desig_Scaffold01485	20749	(T/C)
34397	CadSNP9992	<i>Desi</i>	Ca_Desig_Scaffold01485	20765	(T/C)
34398	CadSNP9993	<i>Desi</i>	Ca_Desig_Scaffold01485	38034	(C/T)
34399	CadSNP9994	<i>Desi</i>	Ca_Desig_Scaffold01485	62809	(C/T)
34400	CadSNP9995	<i>Desi</i>	Ca_Desig_Scaffold01485	62803	(C/G)
34401	CadSNP9996	<i>Desi</i>	Ca_Desig_Scaffold01485	62772	(T/C)
34402	CadSNP9997	<i>Desi</i>	Ca_Desig_Scaffold01485	62748	(C/T)
34403	CadSNP9998	<i>Desi</i>	Ca_Desig_Scaffold01485	62737	(G/A)
34404	CadSNP9999	<i>Desi</i>	Ca_Desig_Scaffold01485	66450	(G/A)
34405	CadSNP10000	<i>Desi</i>	Ca_Desig_Scaffold01485	66413	(G/A)
34406	CadSNP10001	<i>Desi</i>	Ca_Desig_Scaffold01494	8136	(A/C)
34407	CadSNP10002	<i>Desi</i>	Ca_Desig_Scaffold01494	8140	(G/A)
34408	CadSNP10003	<i>Desi</i>	Ca_Desig_Scaffold01494	8141	(T/G)
34409	CadSNP10004	<i>Desi</i>	Ca_Desig_Scaffold01498	10917	(G/A)
34410	CadSNP10005	<i>Desi</i>	Ca_Desig_Scaffold01498	10981	(G/A)
34411	CadSNP10006	<i>Desi</i>	Ca_Desig_Scaffold01498	16221	(T/C)
34412	CadSNP10007	<i>Desi</i>	Ca_Desig_Scaffold01498	16337	(C/T)
34413	CadSNP10008	<i>Desi</i>	Ca_Desig_Scaffold01498	25450	(G/A)
34414	CadSNP10009	<i>Desi</i>	Ca_Desig_Scaffold01498	25551	(T/A)
34415	CadSNP10010	<i>Desi</i>	Ca_Desig_Scaffold01498	25592	(G/A)
34416	CadSNP10011	<i>Desi</i>	Ca_Desig_Scaffold01498	41589	(T/C)
34417	CadSNP10012	<i>Desi</i>	Ca_Desig_Scaffold01498	51436	(A/G)
34418	CadSNP10013	<i>Desi</i>	Ca_Desig_Scaffold01498	51850	(A/G)
34419	CadSNP10014	<i>Desi</i>	Ca_Desig_Scaffold01506	16447	(T/G)
34420	CadSNP10015	<i>Desi</i>	Ca_Desig_Scaffold01506	29466	(G/A)
34421	CadSNP10016	<i>Desi</i>	Ca_Desig_Scaffold01506	36782	(A/G)
34422	CadSNP10017	<i>Desi</i>	Ca_Desig_Scaffold01512	47340	(A/G)
34423	CadSNP10018	<i>Desi</i>	Ca_Desig_Scaffold01516	16345	(T/C)
34424	CadSNP10019	<i>Desi</i>	Ca_Desig_Scaffold01516	16335	(T/G)
34425	CadSNP10020	<i>Desi</i>	Ca_Desig_Scaffold01516	16327	(C/G)
34426	CadSNP10021	<i>Desi</i>	Ca_Desig_Scaffold01516	16323	(A/T)
34427	CadSNP10022	<i>Desi</i>	Ca_Desig_Scaffold01521	27336	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34428	CadSNP10023	<i>Desi</i>	Ca_Desig_Scaffold01522	32033	(T/C)
34429	CadSNP10024	<i>Desi</i>	Ca_Desig_Scaffold01523	26688	(A/G)
34430	CadSNP10025	<i>Desi</i>	Ca_Desig_Scaffold01523	41746	(C/T)
34431	CadSNP10026	<i>Desi</i>	Ca_Desig_Scaffold01523	41778	(A/G)
34432	CadSNP10027	<i>Desi</i>	Ca_Desig_Scaffold01523	54552	(C/G)
34433	CadSNP10028	<i>Desi</i>	Ca_Desig_Scaffold01527	3444	(T/G)
34434	CadSNP10029	<i>Desi</i>	Ca_Desig_Scaffold01527	3447	(T/G)
34435	CadSNP10030	<i>Desi</i>	Ca_Desig_Scaffold01531	17622	(C/A)
34436	CadSNP10031	<i>Desi</i>	Ca_Desig_Scaffold01531	46015	(C/T)
34437	CadSNP10032	<i>Desi</i>	Ca_Desig_Scaffold01531	46040	(G/A)
34438	CadSNP10033	<i>Desi</i>	Ca_Desig_Scaffold01531	60108	(C/T)
34439	CadSNP10034	<i>Desi</i>	Ca_Desig_Scaffold01533	19029	(T/G)
34440	CadSNP10035	<i>Desi</i>	Ca_Desig_Scaffold01535	53525	(G/T)
34441	CadSNP10036	<i>Desi</i>	Ca_Desig_Scaffold01538	31723	(A/G)
34442	CadSNP10037	<i>Desi</i>	Ca_Desig_Scaffold01539	25735	(A/T)
34443	CadSNP10038	<i>Desi</i>	Ca_Desig_Scaffold01540	62394	(A/C)
34444	CadSNP10039	<i>Desi</i>	Ca_Desig_Scaffold01541	33479	(C/T)
34445	CadSNP10040	<i>Desi</i>	Ca_Desig_Scaffold01544	19701	(C/T)
34446	CadSNP10041	<i>Desi</i>	Ca_Desig_Scaffold01544	21954	(A/G)
34447	CadSNP10042	<i>Desi</i>	Ca_Desig_Scaffold01544	21951	(G/T)
34448	CadSNP10043	<i>Desi</i>	Ca_Desig_Scaffold01544	21930	(A/C)
34449	CadSNP10044	<i>Desi</i>	Ca_Desig_Scaffold01544	60016	(G/A)
34450	CadSNP10045	<i>Desi</i>	Ca_Desig_Scaffold01546	44894	(A/C)
34451	CadSNP10046	<i>Desi</i>	Ca_Desig_Scaffold01546	44895	(G/T)
34452	CadSNP10047	<i>Desi</i>	Ca_Desig_Scaffold01548	20486	(T/G)
34453	CadSNP10048	<i>Desi</i>	Ca_Desig_Scaffold01548	30101	(A/G)
34454	CadSNP10049	<i>Desi</i>	Ca_Desig_Scaffold01549	55149	(T/G)
34455	CadSNP10050	<i>Desi</i>	Ca_Desig_Scaffold01549	55101	(T/G)
34456	CadSNP10051	<i>Desi</i>	Ca_Desig_Scaffold01555	57835	(T/A)
34457	CadSNP10052	<i>Desi</i>	Ca_Desig_Scaffold01555	57826	(T/A)
34458	CadSNP10053	<i>Desi</i>	Ca_Desig_Scaffold01555	57814	(T/A)
34459	CadSNP10054	<i>Desi</i>	Ca_Desig_Scaffold01555	57802	(T/C)
34460	CadSNP10055	<i>Desi</i>	Ca_Desig_Scaffold01558	31642	(C/T)
34461	CadSNP10056	<i>Desi</i>	Ca_Desig_Scaffold01560	46166	(T/G)
34462	CadSNP10057	<i>Desi</i>	Ca_Desig_Scaffold01560	46184	(A/C)
34463	CadSNP10058	<i>Desi</i>	Ca_Desig_Scaffold01565	70115	(T/C)
34464	CadSNP10059	<i>Desi</i>	Ca_Desig_Scaffold01566	12306	(A/G)
34465	CadSNP10060	<i>Desi</i>	Ca_Desig_Scaffold01566	44187	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34466	CadSNP10061	<i>Desi</i>	Ca_Desig_Scaffold01566	154833	(A/T)
34467	CadSNP10062	<i>Desi</i>	Ca_Desig_Scaffold01570	52889	(C/G)
34468	CadSNP10063	<i>Desi</i>	Ca_Desig_Scaffold01570	52879	(A/T)
34469	CadSNP10064	<i>Desi</i>	Ca_Desig_Scaffold01570	53053	(C/T)
34470	CadSNP10065	<i>Desi</i>	Ca_Desig_Scaffold01570	53054	(T/C)
34471	CadSNP10066	<i>Desi</i>	Ca_Desig_Scaffold01570	53065	(A/T)
34472	CadSNP10067	<i>Desi</i>	Ca_Desig_Scaffold01570	53070	(A/T)
34473	CadSNP10068	<i>Desi</i>	Ca_Desig_Scaffold01570	53072	(A/T)
34474	CadSNP10069	<i>Desi</i>	Ca_Desig_Scaffold01570	53078	(C/T)
34475	CadSNP10070	<i>Desi</i>	Ca_Desig_Scaffold01570	53088	(A/T)
34476	CadSNP10071	<i>Desi</i>	Ca_Desig_Scaffold01570	53094	(A/T)
34477	CadSNP10072	<i>Desi</i>	Ca_Desig_Scaffold01570	53098	(A/T)
34478	CadSNP10073	<i>Desi</i>	Ca_Desig_Scaffold01570	53102	(G/T)
34479	CadSNP10074	<i>Desi</i>	Ca_Desig_Scaffold01570	53135	(G/A)
34480	CadSNP10075	<i>Desi</i>	Ca_Desig_Scaffold01571	17533	(G/A)
34481	CadSNP10076	<i>Desi</i>	Ca_Desig_Scaffold01571	17502	(C/A)
34482	CadSNP10077	<i>Desi</i>	Ca_Desig_Scaffold01574	14220	(G/A)
34483	CadSNP10078	<i>Desi</i>	Ca_Desig_Scaffold01574	14219	(A/C)
34484	CadSNP10079	<i>Desi</i>	Ca_Desig_Scaffold01574	14215	(A/G)
34485	CadSNP10080	<i>Desi</i>	Ca_Desig_Scaffold01574	14213	(C/A)
34486	CadSNP10081	<i>Desi</i>	Ca_Desig_Scaffold01574	14209	(C/A)
34487	CadSNP10082	<i>Desi</i>	Ca_Desig_Scaffold01575	19385	(A/T)
34488	CadSNP10083	<i>Desi</i>	Ca_Desig_Scaffold01576	64293	(C/T)
34489	CadSNP10084	<i>Desi</i>	Ca_Desig_Scaffold01576	64307	(A/G)
34490	CadSNP10085	<i>Desi</i>	Ca_Desig_Scaffold01583	12991	(C/A)
34491	CadSNP10086	<i>Desi</i>	Ca_Desig_Scaffold01583	12995	(G/A)
34492	CadSNP10087	<i>Desi</i>	Ca_Desig_Scaffold01583	13007	(T/A)
34493	CadSNP10088	<i>Desi</i>	Ca_Desig_Scaffold01583	14420	(A/G)
34494	CadSNP10089	<i>Desi</i>	Ca_Desig_Scaffold01583	26575	(T/G)
34495	CadSNP10090	<i>Desi</i>	Ca_Desig_Scaffold01583	26612	(G/A)
34496	CadSNP10091	<i>Desi</i>	Ca_Desig_Scaffold01583	43893	(T/C)
34497	CadSNP10092	<i>Desi</i>	Ca_Desig_Scaffold01583	44054	(T/A)
34498	CadSNP10093	<i>Desi</i>	Ca_Desig_Scaffold01586	6253	(C/T)
34499	CadSNP10094	<i>Desi</i>	Ca_Desig_Scaffold01586	41503	(C/T)
34500	CadSNP10095	<i>Desi</i>	Ca_Desig_Scaffold01586	41640	(A/G)
34501	CadSNP10096	<i>Desi</i>	Ca_Desig_Scaffold01589	24974	(G/A)
34502	CadSNP10097	<i>Desi</i>	Ca_Desig_Scaffold01589	25286	(T/G)
34503	CadSNP10098	<i>Desi</i>	Ca_Desig_Scaffold01589	59412	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34504	CadSNP10099	<i>Desi</i>	Ca_Desig_Scaffold01600	22193	(C/T)
34505	CadSNP10100	<i>Desi</i>	Ca_Desig_Scaffold01600	67232	(A/G)
34506	CadSNP10101	<i>Desi</i>	Ca_Desig_Scaffold01603	33452	(C/T)
34507	CadSNP10102	<i>Desi</i>	Ca_Desig_Scaffold01603	33453	(T/C)
34508	CadSNP10103	<i>Desi</i>	Ca_Desig_Scaffold01603	33458	(C/T)
34509	CadSNP10104	<i>Desi</i>	Ca_Desig_Scaffold01603	33460	(G/T)
34510	CadSNP10105	<i>Desi</i>	Ca_Desig_Scaffold01603	33464	(G/T)
34511	CadSNP10106	<i>Desi</i>	Ca_Desig_Scaffold01603	33468	(T/A)
34512	CadSNP10107	<i>Desi</i>	Ca_Desig_Scaffold01603	33469	(G/A)
34513	CadSNP10108	<i>Desi</i>	Ca_Desig_Scaffold01603	39757	(A/G)
34514	CadSNP10109	<i>Desi</i>	Ca_Desig_Scaffold01603	39879	(C/G)
34515	CadSNP10110	<i>Desi</i>	Ca_Desig_Scaffold01605	10973	(G/C)
34516	CadSNP10111	<i>Desi</i>	Ca_Desig_Scaffold01605	10976	(T/G)
34517	CadSNP10112	<i>Desi</i>	Ca_Desig_Scaffold01605	14590	(A/G)
34518	CadSNP10113	<i>Desi</i>	Ca_Desig_Scaffold01607	53631	(G/A)
34519	CadSNP10114	<i>Desi</i>	Ca_Desig_Scaffold01607	53764	(C/T)
34520	CadSNP10115	<i>Desi</i>	Ca_Desig_Scaffold01607	53759	(C/T)
34521	CadSNP10116	<i>Desi</i>	Ca_Desig_Scaffold01611	58215	(A/T)
34522	CadSNP10117	<i>Desi</i>	Ca_Desig_Scaffold01619	44792	(A/C)
34523	CadSNP10118	<i>Desi</i>	Ca_Desig_Scaffold01623	7317	(G/T)
34524	CadSNP10119	<i>Desi</i>	Ca_Desig_Scaffold01624	35559	(C/T)
34525	CadSNP10120	<i>Desi</i>	Ca_Desig_Scaffold01626	51475	(C/A)
34526	CadSNP10121	<i>Desi</i>	Ca_Desig_Scaffold01629	11694	(T/G)
34527	CadSNP10122	<i>Desi</i>	Ca_Desig_Scaffold01629	32083	(A/C)
34528	CadSNP10123	<i>Desi</i>	Ca_Desig_Scaffold01629	54972	(G/T)
34529	CadSNP10124	<i>Desi</i>	Ca_Desig_Scaffold01629	54906	(A/G)
34530	CadSNP10125	<i>Desi</i>	Ca_Desig_Scaffold01634	8900	(C/T)
34531	CadSNP10126	<i>Desi</i>	Ca_Desig_Scaffold01636	36458	(A/T)
34532	CadSNP10127	<i>Desi</i>	Ca_Desig_Scaffold01636	64539	(C/T)
34533	CadSNP10128	<i>Desi</i>	Ca_Desig_Scaffold01636	64555	(C/T)
34534	CadSNP10129	<i>Desi</i>	Ca_Desig_Scaffold01636	64556	(G/T)
34535	CadSNP10130	<i>Desi</i>	Ca_Desig_Scaffold01636	64561	(G/C)
34536	CadSNP10131	<i>Desi</i>	Ca_Desig_Scaffold01636	64578	(G/T)
34537	CadSNP10132	<i>Desi</i>	Ca_Desig_Scaffold01636	64581	(G/A)
34538	CadSNP10133	<i>Desi</i>	Ca_Desig_Scaffold01636	64586	(A/G)
34539	CadSNP10134	<i>Desi</i>	Ca_Desig_Scaffold01636	64593	(G/A)
34540	CadSNP10135	<i>Desi</i>	Ca_Desig_Scaffold01636	64598	(G/T)
34541	CadSNP10136	<i>Desi</i>	Ca_Desig_Scaffold01636	64601	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34542	CadSNP10137	<i>Desi</i>	Ca_Desig_Scaffold01636	64605	(C/T)
34543	CadSNP10138	<i>Desi</i>	Ca_Desig_Scaffold01636	64606	(T/C)
34544	CadSNP10139	<i>Desi</i>	Ca_Desig_Scaffold01642	8979	(A/T)
34545	CadSNP10140	<i>Desi</i>	Ca_Desig_Scaffold01642	8974	(T/G)
34546	CadSNP10141	<i>Desi</i>	Ca_Desig_Scaffold01642	13494	(G/A)
34547	CadSNP10142	<i>Desi</i>	Ca_Desig_Scaffold01642	46424	(G/T)
34548	CadSNP10143	<i>Desi</i>	Ca_Desig_Scaffold01651	26498	(T/C)
34549	CadSNP10144	<i>Desi</i>	Ca_Desig_Scaffold01652	65244	(G/C)
34550	CadSNP10145	<i>Desi</i>	Ca_Desig_Scaffold01654	14415	(C/T)
34551	CadSNP10146	<i>Desi</i>	Ca_Desig_Scaffold01654	14482	(G/T)
34552	CadSNP10147	<i>Desi</i>	Ca_Desig_Scaffold01658	55321	(G/C)
34553	CadSNP10148	<i>Desi</i>	Ca_Desig_Scaffold01658	65227	(T/A)
34554	CadSNP10149	<i>Desi</i>	Ca_Desig_Scaffold01658	65289	(C/T)
34555	CadSNP10150	<i>Desi</i>	Ca_Desig_Scaffold01658	65251	(G/A)
34556	CadSNP10151	<i>Desi</i>	Ca_Desig_Scaffold01660	10193	(C/G)
34557	CadSNP10152	<i>Desi</i>	Ca_Desig_Scaffold01660	10205	(G/A)
34558	CadSNP10153	<i>Desi</i>	Ca_Desig_Scaffold01660	10253	(A/G)
34559	CadSNP10154	<i>Desi</i>	Ca_Desig_Scaffold01660	37122	(G/A)
34560	CadSNP10155	<i>Desi</i>	Ca_Desig_Scaffold01660	37298	(C/T)
34561	CadSNP10156	<i>Desi</i>	Ca_Desig_Scaffold01660	37272	(C/T)
34562	CadSNP10157	<i>Desi</i>	Ca_Desig_Scaffold01660	37231	(T/C)
34563	CadSNP10158	<i>Desi</i>	Ca_Desig_Scaffold01660	42831	(T/C)
34564	CadSNP10159	<i>Desi</i>	Ca_Desig_Scaffold01660	42828	(A/C)
34565	CadSNP10160	<i>Desi</i>	Ca_Desig_Scaffold01665	23394	(A/C)
34566	CadSNP10161	<i>Desi</i>	Ca_Desig_Scaffold01665	23357	(T/C)
34567	CadSNP10162	<i>Desi</i>	Ca_Desig_Scaffold01666	50936	(C/T)
34568	CadSNP10163	<i>Desi</i>	Ca_Desig_Scaffold01667	33508	(T/C)
34569	CadSNP10164	<i>Desi</i>	Ca_Desig_Scaffold01667	33602	(T/G)
34570	CadSNP10165	<i>Desi</i>	Ca_Desig_Scaffold01670	1615	(T/C)
34571	CadSNP10166	<i>Desi</i>	Ca_Desig_Scaffold01670	1643	(A/T)
34572	CadSNP10167	<i>Desi</i>	Ca_Desig_Scaffold01670	1644	(C/A)
34573	CadSNP10168	<i>Desi</i>	Ca_Desig_Scaffold01670	1669	(G/T)
34574	CadSNP10169	<i>Desi</i>	Ca_Desig_Scaffold01670	22226	(C/T)
34575	CadSNP10170	<i>Desi</i>	Ca_Desig_Scaffold01673	16883	(T/C)
34576	CadSNP10171	<i>Desi</i>	Ca_Desig_Scaffold01675	47472	(T/G)
34577	CadSNP10172	<i>Desi</i>	Ca_Desig_Scaffold01675	47508	(T/A)
34578	CadSNP10173	<i>Desi</i>	Ca_Desig_Scaffold01676	18061	(T/G)
34579	CadSNP10174	<i>Desi</i>	Ca_Desig_Scaffold01678	54701	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34580	CadSNP10175	<i>Desi</i>	Ca_Desig_Scaffold01678	64754	(G/A)
34581	CadSNP10176	<i>Desi</i>	Ca_Desig_Scaffold01684	19898	(T/G)
34582	CadSNP10177	<i>Desi</i>	Ca_Desig_Scaffold01684	58927	(G/C)
34583	CadSNP10178	<i>Desi</i>	Ca_Desig_Scaffold01684	58933	(G/A)
34584	CadSNP10179	<i>Desi</i>	Ca_Desig_Scaffold01687	46663	(G/T)
34585	CadSNP10180	<i>Desi</i>	Ca_Desig_Scaffold01687	46671	(G/T)
34586	CadSNP10181	<i>Desi</i>	Ca_Desig_Scaffold01694	855	(T/G)
34587	CadSNP10182	<i>Desi</i>	Ca_Desig_Scaffold01694	931	(G/A)
34588	CadSNP10183	<i>Desi</i>	Ca_Desig_Scaffold01694	979	(C/G)
34589	CadSNP10184	<i>Desi</i>	Ca_Desig_Scaffold01694	1030	(G/C)
34590	CadSNP10185	<i>Desi</i>	Ca_Desig_Scaffold01694	1022	(A/G)
34591	CadSNP10186	<i>Desi</i>	Ca_Desig_Scaffold01694	4563	(T/C)
34592	CadSNP10187	<i>Desi</i>	Ca_Desig_Scaffold01694	14866	(G/A)
34593	CadSNP10188	<i>Desi</i>	Ca_Desig_Scaffold01694	15159	(A/T)
34594	CadSNP10189	<i>Desi</i>	Ca_Desig_Scaffold01694	15139	(A/C)
34595	CadSNP10190	<i>Desi</i>	Ca_Desig_Scaffold01694	50111	(G/A)
34596	CadSNP10191	<i>Desi</i>	Ca_Desig_Scaffold01694	50124	(G/A)
34597	CadSNP10192	<i>Desi</i>	Ca_Desig_Scaffold01694	50142	(C/T)
34598	CadSNP10193	<i>Desi</i>	Ca_Desig_Scaffold01706	46045	(A/G)
34599	CadSNP10194	<i>Desi</i>	Ca_Desig_Scaffold01706	46061	(G/A)
34600	CadSNP10195	<i>Desi</i>	Ca_Desig_Scaffold01706	46138	(A/G)
34601	CadSNP10196	<i>Desi</i>	Ca_Desig_Scaffold01706	46127	(C/T)
34602	CadSNP10197	<i>Desi</i>	Ca_Desig_Scaffold01706	46123	(T/C)
34603	CadSNP10198	<i>Desi</i>	Ca_Desig_Scaffold01706	46122	(G/A)
34604	CadSNP10199	<i>Desi</i>	Ca_Desig_Scaffold01706	46119	(G/A)
34605	CadSNP10200	<i>Desi</i>	Ca_Desig_Scaffold01706	46118	(T/G)
34606	CadSNP10201	<i>Desi</i>	Ca_Desig_Scaffold01706	57939	(T/C)
34607	CadSNP10202	<i>Desi</i>	Ca_Desig_Scaffold01706	58020	(C/G)
34608	CadSNP10203	<i>Desi</i>	Ca_Desig_Scaffold01708	53451	(T/G)
34609	CadSNP10204	<i>Desi</i>	Ca_Desig_Scaffold01708	53464	(A/C)
34610	CadSNP10205	<i>Desi</i>	Ca_Desig_Scaffold01711	7870	(G/A)
34611	CadSNP10206	<i>Desi</i>	Ca_Desig_Scaffold01711	7822	(G/A)
34612	CadSNP10207	<i>Desi</i>	Ca_Desig_Scaffold01711	54228	(A/G)
34613	CadSNP10208	<i>Desi</i>	Ca_Desig_Scaffold01714	16856	(G/C)
34614	CadSNP10209	<i>Desi</i>	Ca_Desig_Scaffold01714	19580	(C/A)
34615	CadSNP10210	<i>Desi</i>	Ca_Desig_Scaffold01714	19642	(C/A)
34616	CadSNP10211	<i>Desi</i>	Ca_Desig_Scaffold01714	19643	(G/T)
34617	CadSNP10212	<i>Desi</i>	Ca_Desig_Scaffold01714	32019	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34618	CadSNP10213	<i>Desi</i>	Ca_Desig_Scaffold01714	60065	(A/T)
34619	CadSNP10214	<i>Desi</i>	Ca_Desig_Scaffold01715	43672	(T/C)
34620	CadSNP10215	<i>Desi</i>	Ca_Desig_Scaffold01718	13662	(A/C)
34621	CadSNP10216	<i>Desi</i>	Ca_Desig_Scaffold01718	13664	(C/A)
34622	CadSNP10217	<i>Desi</i>	Ca_Desig_Scaffold01718	13702	(C/T)
34623	CadSNP10218	<i>Desi</i>	Ca_Desig_Scaffold01721	17834	(C/T)
34624	CadSNP10219	<i>Desi</i>	Ca_Desig_Scaffold01722	12293	(G/A)
34625	CadSNP10220	<i>Desi</i>	Ca_Desig_Scaffold01722	14344	(G/A)
34626	CadSNP10221	<i>Desi</i>	Ca_Desig_Scaffold01722	14347	(T/C)
34627	CadSNP10222	<i>Desi</i>	Ca_Desig_Scaffold01722	14388	(T/G)
34628	CadSNP10223	<i>Desi</i>	Ca_Desig_Scaffold01722	14405	(A/G)
34629	CadSNP10224	<i>Desi</i>	Ca_Desig_Scaffold01722	21756	(A/G)
34630	CadSNP10225	<i>Desi</i>	Ca_Desig_Scaffold01723	59117	(A/G)
34631	CadSNP10226	<i>Desi</i>	Ca_Desig_Scaffold01723	63059	(C/T)
34632	CadSNP10227	<i>Desi</i>	Ca_Desig_Scaffold01728	52580	(G/T)
34633	CadSNP10228	<i>Desi</i>	Ca_Desig_Scaffold01734	35981	(T/C)
34634	CadSNP10229	<i>Desi</i>	Ca_Desig_Scaffold01734	35956	(G/A)
34635	CadSNP10230	<i>Desi</i>	Ca_Desig_Scaffold01734	37119	(T/C)
34636	CadSNP10231	<i>Desi</i>	Ca_Desig_Scaffold01734	37282	(T/C)
34637	CadSNP10232	<i>Desi</i>	Ca_Desig_Scaffold01734	43913	(G/T)
34638	CadSNP10233	<i>Desi</i>	Ca_Desig_Scaffold01734	50106	(A/G)
34639	CadSNP10234	<i>Desi</i>	Ca_Desig_Scaffold01734	50347	(T/A)
34640	CadSNP10235	<i>Desi</i>	Ca_Desig_Scaffold01734	53286	(T/C)
34641	CadSNP10236	<i>Desi</i>	Ca_Desig_Scaffold01734	53287	(T/C)
34642	CadSNP10237	<i>Desi</i>	Ca_Desig_Scaffold01734	54678	(A/G)
34643	CadSNP10238	<i>Desi</i>	Ca_Desig_Scaffold01734	54748	(A/G)
34644	CadSNP10239	<i>Desi</i>	Ca_Desig_Scaffold01737	44986	(A/T)
34645	CadSNP10240	<i>Desi</i>	Ca_Desig_Scaffold01737	45190	(G/T)
34646	CadSNP10241	<i>Desi</i>	Ca_Desig_Scaffold01741	40169	(T/A)
34647	CadSNP10242	<i>Desi</i>	Ca_Desig_Scaffold01741	40109	(T/C)
34648	CadSNP10243	<i>Desi</i>	Ca_Desig_Scaffold01755	8283	(T/C)
34649	CadSNP10244	<i>Desi</i>	Ca_Desig_Scaffold01755	8335	(G/A)
34650	CadSNP10245	<i>Desi</i>	Ca_Desig_Scaffold01758	35499	(A/G)
34651	CadSNP10246	<i>Desi</i>	Ca_Desig_Scaffold01759	11408	(T/C)
34652	CadSNP10247	<i>Desi</i>	Ca_Desig_Scaffold01760	6729	(C/A)
34653	CadSNP10248	<i>Desi</i>	Ca_Desig_Scaffold01769	10327	(C/T)
34654	CadSNP10249	<i>Desi</i>	Ca_Desig_Scaffold01769	10340	(G/A)
34655	CadSNP10250	<i>Desi</i>	Ca_Desig_Scaffold01769	10413	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34656	CadSNP10251	<i>Desi</i>	Ca_Desig_Scaffold01769	10398	(G/T)
34657	CadSNP10252	<i>Desi</i>	Ca_Desig_Scaffold01769	10393	(A/C)
34658	CadSNP10253	<i>Desi</i>	Ca_Desig_Scaffold01769	10380	(T/G)
34659	CadSNP10254	<i>Desi</i>	Ca_Desig_Scaffold01769	24496	(T/C)
34660	CadSNP10255	<i>Desi</i>	Ca_Desig_Scaffold01769	24497	(T/A)
34661	CadSNP10256	<i>Desi</i>	Ca_Desig_Scaffold01769	24506	(C/T)
34662	CadSNP10257	<i>Desi</i>	Ca_Desig_Scaffold01769	24517	(C/T)
34663	CadSNP10258	<i>Desi</i>	Ca_Desig_Scaffold01770	66951	(T/A)
34664	CadSNP10259	<i>Desi</i>	Ca_Desig_Scaffold01770	66960	(A/G)
34665	CadSNP10260	<i>Desi</i>	Ca_Desig_Scaffold01772	3962	(C/T)
34666	CadSNP10261	<i>Desi</i>	Ca_Desig_Scaffold01772	8261	(T/A)
34667	CadSNP10262	<i>Desi</i>	Ca_Desig_Scaffold01772	8262	(G/T)
34668	CadSNP10263	<i>Desi</i>	Ca_Desig_Scaffold01772	8279	(G/C)
34669	CadSNP10264	<i>Desi</i>	Ca_Desig_Scaffold01772	24789	(A/G)
34670	CadSNP10265	<i>Desi</i>	Ca_Desig_Scaffold01772	24844	(A/C)
34671	CadSNP10266	<i>Desi</i>	Ca_Desig_Scaffold01772	25113	(T/G)
34672	CadSNP10267	<i>Desi</i>	Ca_Desig_Scaffold01772	27054	(C/T)
34673	CadSNP10268	<i>Desi</i>	Ca_Desig_Scaffold01772	43325	(G/T)
34674	CadSNP10269	<i>Desi</i>	Ca_Desig_Scaffold01773	41618	(C/T)
34675	CadSNP10270	<i>Desi</i>	Ca_Desig_Scaffold01773	41653	(T/A)
34676	CadSNP10271	<i>Desi</i>	Ca_Desig_Scaffold01774	44337	(G/C)
34677	CadSNP10272	<i>Desi</i>	Ca_Desig_Scaffold01774	44332	(G/T)
34678	CadSNP10273	<i>Desi</i>	Ca_Desig_Scaffold01774	52783	(T/C)
34679	CadSNP10274	<i>Desi</i>	Ca_Desig_Scaffold01787	109525	(C/A)
34680	CadSNP10275	<i>Desi</i>	Ca_Desig_Scaffold01789	34642	(A/G)
34681	CadSNP10276	<i>Desi</i>	Ca_Desig_Scaffold01789	34582	(A/T)
34682	CadSNP10277	<i>Desi</i>	Ca_Desig_Scaffold01793	37544	(T/C)
34683	CadSNP10278	<i>Desi</i>	Ca_Desig_Scaffold01793	37796	(C/T)
34684	CadSNP10279	<i>Desi</i>	Ca_Desig_Scaffold01793	37760	(T/C)
34685	CadSNP10280	<i>Desi</i>	Ca_Desig_Scaffold01799	54096	(G/A)
34686	CadSNP10281	<i>Desi</i>	Ca_Desig_Scaffold01803	14900	(C/T)
34687	CadSNP10282	<i>Desi</i>	Ca_Desig_Scaffold01805	14511	(C/A)
34688	CadSNP10283	<i>Desi</i>	Ca_Desig_Scaffold01806	15766	(T/C)
34689	CadSNP10284	<i>Desi</i>	Ca_Desig_Scaffold01806	20234	(T/C)
34690	CadSNP10285	<i>Desi</i>	Ca_Desig_Scaffold01806	45629	(C/A)
34691	CadSNP10286	<i>Desi</i>	Ca_Desig_Scaffold01806	45634	(T/A)
34692	CadSNP10287	<i>Desi</i>	Ca_Desig_Scaffold01808	76336	(A/G)
34693	CadSNP10288	<i>Desi</i>	Ca_Desig_Scaffold01808	76455	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34694	CadSNP10289	<i>Desi</i>	Ca_Desig_Scaffold01810	21947	(A/G)
34695	CadSNP10290	<i>Desi</i>	Ca_Desig_Scaffold01811	1953	(G/C)
34696	CadSNP10291	<i>Desi</i>	Ca_Desig_Scaffold01819	60566	(T/C)
34697	CadSNP10292	<i>Desi</i>	Ca_Desig_Scaffold01821	12023	(G/A)
34698	CadSNP10293	<i>Desi</i>	Ca_Desig_Scaffold01824	26140	(T/A)
34699	CadSNP10294	<i>Desi</i>	Ca_Desig_Scaffold01824	26141	(A/T)
34700	CadSNP10295	<i>Desi</i>	Ca_Desig_Scaffold01824	26221	(G/A)
34701	CadSNP10296	<i>Desi</i>	Ca_Desig_Scaffold01824	26337	(T/G)
34702	CadSNP10297	<i>Desi</i>	Ca_Desig_Scaffold01825	37420	(C/T)
34703	CadSNP10298	<i>Desi</i>	Ca_Desig_Scaffold01825	37430	(G/T)
34704	CadSNP10299	<i>Desi</i>	Ca_Desig_Scaffold01825	37434	(C/T)
34705	CadSNP10300	<i>Desi</i>	Ca_Desig_Scaffold01825	37526	(T/G)
34706	CadSNP10301	<i>Desi</i>	Ca_Desig_Scaffold01825	37503	(G/C)
34707	CadSNP10302	<i>Desi</i>	Ca_Desig_Scaffold01825	37465	(G/A)
34708	CadSNP10303	<i>Desi</i>	Ca_Desig_Scaffold01825	37464	(C/T)
34709	CadSNP10304	<i>Desi</i>	Ca_Desig_Scaffold01826	43500	(G/A)
34710	CadSNP10305	<i>Desi</i>	Ca_Desig_Scaffold01826	43492	(G/A)
34711	CadSNP10306	<i>Desi</i>	Ca_Desig_Scaffold01826	48129	(G/T)
34712	CadSNP10307	<i>Desi</i>	Ca_Desig_Scaffold01826	48123	(G/A)
34713	CadSNP10308	<i>Desi</i>	Ca_Desig_Scaffold01826	48086	(G/A)
34714	CadSNP10309	<i>Desi</i>	Ca_Desig_Scaffold01826	48080	(A/C)
34715	CadSNP10310	<i>Desi</i>	Ca_Desig_Scaffold01828	10765	(C/T)
34716	CadSNP10311	<i>Desi</i>	Ca_Desig_Scaffold01828	18234	(C/T)
34717	CadSNP10312	<i>Desi</i>	Ca_Desig_Scaffold01828	18230	(G/A)
34718	CadSNP10313	<i>Desi</i>	Ca_Desig_Scaffold01828	55508	(T/G)
34719	CadSNP10314	<i>Desi</i>	Ca_Desig_Scaffold01829	142943	(C/T)
34720	CadSNP10315	<i>Desi</i>	Ca_Desig_Scaffold01829	147668	(A/C)
34721	CadSNP10316	<i>Desi</i>	Ca_Desig_Scaffold01829	147679	(C/T)
34722	CadSNP10317	<i>Desi</i>	Ca_Desig_Scaffold01829	147706	(A/T)
34723	CadSNP10318	<i>Desi</i>	Ca_Desig_Scaffold01829	150289	(A/G)
34724	CadSNP10319	<i>Desi</i>	Ca_Desig_Scaffold01830	19141	(G/A)
34725	CadSNP10320	<i>Desi</i>	Ca_Desig_Scaffold01830	19138	(A/G)
34726	CadSNP10321	<i>Desi</i>	Ca_Desig_Scaffold01830	19132	(C/A)
34727	CadSNP10322	<i>Desi</i>	Ca_Desig_Scaffold01830	19126	(G/A)
34728	CadSNP10323	<i>Desi</i>	Ca_Desig_Scaffold01830	19123	(T/C)
34729	CadSNP10324	<i>Desi</i>	Ca_Desig_Scaffold01830	19117	(G/T)
34730	CadSNP10325	<i>Desi</i>	Ca_Desig_Scaffold01830	19095	(G/T)
34731	CadSNP10326	<i>Desi</i>	Ca_Desig_Scaffold01839	32997	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34732	CadSNP10327	<i>Desi</i>	Ca_Desig_Scaffold01840	6703	(C/G)
34733	CadSNP10328	<i>Desi</i>	Ca_Desig_Scaffold01840	6813	(T/A)
34734	CadSNP10329	<i>Desi</i>	Ca_Desig_Scaffold01841	27458	(A/G)
34735	CadSNP10330	<i>Desi</i>	Ca_Desig_Scaffold01842	48872	(G/T)
34736	CadSNP10331	<i>Desi</i>	Ca_Desig_Scaffold01846	35108	(C/T)
34737	CadSNP10332	<i>Desi</i>	Ca_Desig_Scaffold01850	16252	(A/G)
34738	CadSNP10333	<i>Desi</i>	Ca_Desig_Scaffold01850	29766	(T/C)
34739	CadSNP10334	<i>Desi</i>	Ca_Desig_Scaffold01850	29753	(T/A)
34740	CadSNP10335	<i>Desi</i>	Ca_Desig_Scaffold01850	29689	(A/G)
34741	CadSNP10336	<i>Desi</i>	Ca_Desig_Scaffold01850	31048	(G/A)
34742	CadSNP10337	<i>Desi</i>	Ca_Desig_Scaffold01850	33424	(C/T)
34743	CadSNP10338	<i>Desi</i>	Ca_Desig_Scaffold01855	25712	(C/T)
34744	CadSNP10339	<i>Desi</i>	Ca_Desig_Scaffold01856	31327	(A/G)
34745	CadSNP10340	<i>Desi</i>	Ca_Desig_Scaffold01856	46299	(C/T)
34746	CadSNP10341	<i>Desi</i>	Ca_Desig_Scaffold01856	46291	(G/A)
34747	CadSNP10342	<i>Desi</i>	Ca_Desig_Scaffold01856	46283	(A/C)
34748	CadSNP10343	<i>Desi</i>	Ca_Desig_Scaffold01856	48596	(C/T)
34749	CadSNP10344	<i>Desi</i>	Ca_Desig_Scaffold01857	25462	(T/C)
34750	CadSNP10345	<i>Desi</i>	Ca_Desig_Scaffold01857	36838	(G/A)
34751	CadSNP10346	<i>Desi</i>	Ca_Desig_Scaffold01857	38718	(A/T)
34752	CadSNP10347	<i>Desi</i>	Ca_Desig_Scaffold01857	38730	(A/T)
34753	CadSNP10348	<i>Desi</i>	Ca_Desig_Scaffold01861	22099	(T/C)
34754	CadSNP10349	<i>Desi</i>	Ca_Desig_Scaffold01861	58359	(T/C)
34755	CadSNP10350	<i>Desi</i>	Ca_Desig_Scaffold01862	6065	(C/T)
34756	CadSNP10351	<i>Desi</i>	Ca_Desig_Scaffold01872	53778	(T/G)
34757	CadSNP10352	<i>Desi</i>	Ca_Desig_Scaffold01876	33537	(C/T)
34758	CadSNP10353	<i>Desi</i>	Ca_Desig_Scaffold01876	33580	(C/G)
34759	CadSNP10354	<i>Desi</i>	Ca_Desig_Scaffold01876	33606	(G/T)
34760	CadSNP10355	<i>Desi</i>	Ca_Desig_Scaffold01876	49598	(T/C)
34761	CadSNP10356	<i>Desi</i>	Ca_Desig_Scaffold01880	6361	(T/C)
34762	CadSNP10357	<i>Desi</i>	Ca_Desig_Scaffold01884	16693	(G/A)
34763	CadSNP10358	<i>Desi</i>	Ca_Desig_Scaffold01884	18520	(T/C)
34764	CadSNP10359	<i>Desi</i>	Ca_Desig_Scaffold01885	12412	(T/C)
34765	CadSNP10360	<i>Desi</i>	Ca_Desig_Scaffold01896	10361	(C/T)
34766	CadSNP10361	<i>Desi</i>	Ca_Desig_Scaffold01896	10428	(G/A)
34767	CadSNP10362	<i>Desi</i>	Ca_Desig_Scaffold01896	10611	(G/A)
34768	CadSNP10363	<i>Desi</i>	Ca_Desig_Scaffold01896	10929	(C/T)
34769	CadSNP10364	<i>Desi</i>	Ca_Desig_Scaffold01896	24101	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34770	CadSNP10365	<i>Desi</i>	Ca_Desig_Scaffold01901	34049	(A/C)
34771	CadSNP10366	<i>Desi</i>	Ca_Desig_Scaffold01903	50984	(A/G)
34772	CadSNP10367	<i>Desi</i>	Ca_Desig_Scaffold01903	50983	(C/T)
34773	CadSNP10368	<i>Desi</i>	Ca_Desig_Scaffold01903	50966	(C/T)
34774	CadSNP10369	<i>Desi</i>	Ca_Desig_Scaffold01903	50956	(A/G)
34775	CadSNP10370	<i>Desi</i>	Ca_Desig_Scaffold01907	9436	(T/G)
34776	CadSNP10371	<i>Desi</i>	Ca_Desig_Scaffold01907	9463	(C/T)
34777	CadSNP10372	<i>Desi</i>	Ca_Desig_Scaffold01907	11132	(A/G)
34778	CadSNP10373	<i>Desi</i>	Ca_Desig_Scaffold01907	11196	(C/A)
34779	CadSNP10374	<i>Desi</i>	Ca_Desig_Scaffold01908	54034	(A/G)
34780	CadSNP10375	<i>Desi</i>	Ca_Desig_Scaffold01910	1640	(T/C)
34781	CadSNP10376	<i>Desi</i>	Ca_Desig_Scaffold01910	30227	(C/G)
34782	CadSNP10377	<i>Desi</i>	Ca_Desig_Scaffold01910	30255	(T/C)
34783	CadSNP10378	<i>Desi</i>	Ca_Desig_Scaffold01910	30256	(G/T)
34784	CadSNP10379	<i>Desi</i>	Ca_Desig_Scaffold01910	30260	(C/T)
34785	CadSNP10380	<i>Desi</i>	Ca_Desig_Scaffold01910	30273	(A/T)
34786	CadSNP10381	<i>Desi</i>	Ca_Desig_Scaffold01910	30287	(T/C)
34787	CadSNP10382	<i>Desi</i>	Ca_Desig_Scaffold01910	30290	(T/C)
34788	CadSNP10383	<i>Desi</i>	Ca_Desig_Scaffold01910	30304	(T/C)
34789	CadSNP10384	<i>Desi</i>	Ca_Desig_Scaffold01910	46313	(T/C)
34790	CadSNP10385	<i>Desi</i>	Ca_Desig_Scaffold01910	46312	(G/A)
34791	CadSNP10386	<i>Desi</i>	Ca_Desig_Scaffold01910	46307	(T/A)
34792	CadSNP10387	<i>Desi</i>	Ca_Desig_Scaffold01910	46298	(T/C)
34793	CadSNP10388	<i>Desi</i>	Ca_Desig_Scaffold01910	46280	(T/G)
34794	CadSNP10389	<i>Desi</i>	Ca_Desig_Scaffold01910	46271	(A/G)
34795	CadSNP10390	<i>Desi</i>	Ca_Desig_Scaffold01910	46238	(T/G)
34796	CadSNP10391	<i>Desi</i>	Ca_Desig_Scaffold01911	35307	(G/T)
34797	CadSNP10392	<i>Desi</i>	Ca_Desig_Scaffold01911	35376	(A/G)
34798	CadSNP10393	<i>Desi</i>	Ca_Desig_Scaffold01914	5564	(C/T)
34799	CadSNP10394	<i>Desi</i>	Ca_Desig_Scaffold01917	38145	(C/T)
34800	CadSNP10395	<i>Desi</i>	Ca_Desig_Scaffold01918	8604	(G/A)
34801	CadSNP10396	<i>Desi</i>	Ca_Desig_Scaffold01918	8629	(C/A)
34802	CadSNP10397	<i>Desi</i>	Ca_Desig_Scaffold01918	8657	(T/G)
34803	CadSNP10398	<i>Desi</i>	Ca_Desig_Scaffold01918	8725	(C/T)
34804	CadSNP10399	<i>Desi</i>	Ca_Desig_Scaffold01918	8708	(C/T)
34805	CadSNP10400	<i>Desi</i>	Ca_Desig_Scaffold01918	8691	(A/C)
34806	CadSNP10401	<i>Desi</i>	Ca_Desig_Scaffold01918	8686	(G/C)
34807	CadSNP10402	<i>Desi</i>	Ca_Desig_Scaffold01918	8685	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34808	CadSNP10403	<i>Desi</i>	Ca_Desig_Scaffold01918	9250	(A/C)
34809	CadSNP10404	<i>Desi</i>	Ca_Desig_Scaffold01918	9252	(C/T)
34810	CadSNP10405	<i>Desi</i>	Ca_Desig_Scaffold01918	9318	(G/A)
34811	CadSNP10406	<i>Desi</i>	Ca_Desig_Scaffold01918	9369	(C/A)
34812	CadSNP10407	<i>Desi</i>	Ca_Desig_Scaffold01918	9400	(T/C)
34813	CadSNP10408	<i>Desi</i>	Ca_Desig_Scaffold01918	9413	(G/A)
34814	CadSNP10409	<i>Desi</i>	Ca_Desig_Scaffold01918	9419	(G/A)
34815	CadSNP10410	<i>Desi</i>	Ca_Desig_Scaffold01918	25272	(G/A)
34816	CadSNP10411	<i>Desi</i>	Ca_Desig_Scaffold01924	20481	(T/A)
34817	CadSNP10412	<i>Desi</i>	Ca_Desig_Scaffold01924	20497	(A/G)
34818	CadSNP10413	<i>Desi</i>	Ca_Desig_Scaffold01924	20518	(T/G)
34819	CadSNP10414	<i>Desi</i>	Ca_Desig_Scaffold01924	20526	(T/G)
34820	CadSNP10415	<i>Desi</i>	Ca_Desig_Scaffold01924	56817	(C/A)
34821	CadSNP10416	<i>Desi</i>	Ca_Desig_Scaffold01924	56779	(G/A)
34822	CadSNP10417	<i>Desi</i>	Ca_Desig_Scaffold01924	56756	(C/T)
34823	CadSNP10418	<i>Desi</i>	Ca_Desig_Scaffold01924	62471	(A/G)
34824	CadSNP10419	<i>Desi</i>	Ca_Desig_Scaffold01924	62450	(T/A)
34825	CadSNP10420	<i>Desi</i>	Ca_Desig_Scaffold01927	29533	(C/T)
34826	CadSNP10421	<i>Desi</i>	Ca_Desig_Scaffold01927	29626	(G/T)
34827	CadSNP10422	<i>Desi</i>	Ca_Desig_Scaffold01927	29607	(T/G)
34828	CadSNP10423	<i>Desi</i>	Ca_Desig_Scaffold01927	29697	(G/A)
34829	CadSNP10424	<i>Desi</i>	Ca_Desig_Scaffold01927	29690	(G/A)
34830	CadSNP10425	<i>Desi</i>	Ca_Desig_Scaffold01929	50836	(C/A)
34831	CadSNP10426	<i>Desi</i>	Ca_Desig_Scaffold01935	17422	(A/C)
34832	CadSNP10427	<i>Desi</i>	Ca_Desig_Scaffold01937	8221	(G/A)
34833	CadSNP10428	<i>Desi</i>	Ca_Desig_Scaffold01937	8146	(C/T)
34834	CadSNP10429	<i>Desi</i>	Ca_Desig_Scaffold01937	8281	(C/T)
34835	CadSNP10430	<i>Desi</i>	Ca_Desig_Scaffold01937	10395	(T/C)
34836	CadSNP10431	<i>Desi</i>	Ca_Desig_Scaffold01937	10469	(T/G)
34837	CadSNP10432	<i>Desi</i>	Ca_Desig_Scaffold01937	55399	(C/T)
34838	CadSNP10433	<i>Desi</i>	Ca_Desig_Scaffold01937	55410	(G/A)
34839	CadSNP10434	<i>Desi</i>	Ca_Desig_Scaffold01947	38811	(T/G)
34840	CadSNP10435	<i>Desi</i>	Ca_Desig_Scaffold01947	38852	(C/T)
34841	CadSNP10436	<i>Desi</i>	Ca_Desig_Scaffold01948	30282	(G/A)
34842	CadSNP10437	<i>Desi</i>	Ca_Desig_Scaffold01949	68784	(T/A)
34843	CadSNP10438	<i>Desi</i>	Ca_Desig_Scaffold01950	33739	(A/G)
34844	CadSNP10439	<i>Desi</i>	Ca_Desig_Scaffold01950	33763	(A/C)
34845	CadSNP10440	<i>Desi</i>	Ca_Desig_Scaffold01950	33809	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34846	CadSNP10441	<i>Desi</i>	Ca_Desig_Scaffold01956	50330	(A/G)
34847	CadSNP10442	<i>Desi</i>	Ca_Desig_Scaffold01956	50328	(C/T)
34848	CadSNP10443	<i>Desi</i>	Ca_Desig_Scaffold01956	50321	(T/C)
34849	CadSNP10444	<i>Desi</i>	Ca_Desig_Scaffold01956	50316	(A/C)
34850	CadSNP10445	<i>Desi</i>	Ca_Desig_Scaffold01956	52468	(C/T)
34851	CadSNP10446	<i>Desi</i>	Ca_Desig_Scaffold01959	29190	(G/A)
34852	CadSNP10447	<i>Desi</i>	Ca_Desig_Scaffold01962	26238	(C/G)
34853	CadSNP10448	<i>Desi</i>	Ca_Desig_Scaffold01962	26237	(G/A)
34854	CadSNP10449	<i>Desi</i>	Ca_Desig_Scaffold01962	39508	(T/C)
34855	CadSNP10450	<i>Desi</i>	Ca_Desig_Scaffold01965	3017	(G/A)
34856	CadSNP10451	<i>Desi</i>	Ca_Desig_Scaffold01965	9794	(G/A)
34857	CadSNP10452	<i>Desi</i>	Ca_Desig_Scaffold01968	3952	(C/T)
34858	CadSNP10453	<i>Desi</i>	Ca_Desig_Scaffold01968	22368	(A/G)
34859	CadSNP10454	<i>Desi</i>	Ca_Desig_Scaffold01968	22391	(G/A)
34860	CadSNP10455	<i>Desi</i>	Ca_Desig_Scaffold01972	16128	(A/G)
34861	CadSNP10456	<i>Desi</i>	Ca_Desig_Scaffold01972	52905	(A/T)
34862	CadSNP10457	<i>Desi</i>	Ca_Desig_Scaffold01977	17782	(C/T)
34863	CadSNP10458	<i>Desi</i>	Ca_Desig_Scaffold01984	1860	(G/T)
34864	CadSNP10459	<i>Desi</i>	Ca_Desig_Scaffold01985	70754	(A/T)
34865	CadSNP10460	<i>Desi</i>	Ca_Desig_Scaffold01985	70767	(C/T)
34866	CadSNP10461	<i>Desi</i>	Ca_Desig_Scaffold01985	70771	(G/A)
34867	CadSNP10462	<i>Desi</i>	Ca_Desig_Scaffold01985	70777	(T/C)
34868	CadSNP10463	<i>Desi</i>	Ca_Desig_Scaffold01985	70780	(T/A)
34869	CadSNP10464	<i>Desi</i>	Ca_Desig_Scaffold01985	70795	(C/T)
34870	CadSNP10465	<i>Desi</i>	Ca_Desig_Scaffold01985	70786	(G/A)
34871	CadSNP10466	<i>Desi</i>	Ca_Desig_Scaffold01985	70747	(C/T)
34872	CadSNP10467	<i>Desi</i>	Ca_Desig_Scaffold01985	70744	(T/C)
34873	CadSNP10468	<i>Desi</i>	Ca_Desig_Scaffold01986	15829	(C/G)
34874	CadSNP10469	<i>Desi</i>	Ca_Desig_Scaffold01989	15556	(T/C)
34875	CadSNP10470	<i>Desi</i>	Ca_Desig_Scaffold01989	15560	(G/T)
34876	CadSNP10471	<i>Desi</i>	Ca_Desig_Scaffold01992	38831	(T/C)
34877	CadSNP10472	<i>Desi</i>	Ca_Desig_Scaffold02003	43468	(C/A)
34878	CadSNP10473	<i>Desi</i>	Ca_Desig_Scaffold02003	43470	(T/C)
34879	CadSNP10474	<i>Desi</i>	Ca_Desig_Scaffold02009	106259	(T/G)
34880	CadSNP10475	<i>Desi</i>	Ca_Desig_Scaffold02009	109275	(C/T)
34881	CadSNP10476	<i>Desi</i>	Ca_Desig_Scaffold02009	109252	(A/G)
34882	CadSNP10477	<i>Desi</i>	Ca_Desig_Scaffold02017	39599	(T/C)
34883	CadSNP10478	<i>Desi</i>	Ca_Desig_Scaffold02017	39667	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34884	CadSNP10479	<i>Desi</i>	Ca_Desig_Scaffold02017	40347	(T/C)
34885	CadSNP10480	<i>Desi</i>	Ca_Desig_Scaffold02017	42397	(A/G)
34886	CadSNP10481	<i>Desi</i>	Ca_Desig_Scaffold02017	42406	(C/G)
34887	CadSNP10482	<i>Desi</i>	Ca_Desig_Scaffold02017	42478	(G/C)
34888	CadSNP10483	<i>Desi</i>	Ca_Desig_Scaffold02019	6302	(G/A)
34889	CadSNP10484	<i>Desi</i>	Ca_Desig_Scaffold02019	8846	(A/C)
34890	CadSNP10485	<i>Desi</i>	Ca_Desig_Scaffold02025	7634	(A/T)
34891	CadSNP10486	<i>Desi</i>	Ca_Desig_Scaffold02025	35174	(G/A)
34892	CadSNP10487	<i>Desi</i>	Ca_Desig_Scaffold02025	35186	(A/G)
34893	CadSNP10488	<i>Desi</i>	Ca_Desig_Scaffold02025	35206	(C/G)
34894	CadSNP10489	<i>Desi</i>	Ca_Desig_Scaffold02025	35246	(T/C)
34895	CadSNP10490	<i>Desi</i>	Ca_Desig_Scaffold02025	49356	(C/T)
34896	CadSNP10491	<i>Desi</i>	Ca_Desig_Scaffold02025	50372	(C/G)
34897	CadSNP10492	<i>Desi</i>	Ca_Desig_Scaffold02025	50324	(G/A)
34898	CadSNP10493	<i>Desi</i>	Ca_Desig_Scaffold02025	50381	(C/A)
34899	CadSNP10494	<i>Desi</i>	Ca_Desig_Scaffold02032	34923	(T/C)
34900	CadSNP10495	<i>Desi</i>	Ca_Desig_Scaffold02032	49510	(G/A)
34901	CadSNP10496	<i>Desi</i>	Ca_Desig_Scaffold02032	89299	(G/A)
34902	CadSNP10497	<i>Desi</i>	Ca_Desig_Scaffold02032	97641	(A/G)
34903	CadSNP10498	<i>Desi</i>	Ca_Desig_Scaffold02034	27121	(G/T)
34904	CadSNP10499	<i>Desi</i>	Ca_Desig_Scaffold02034	27197	(C/A)
34905	CadSNP10500	<i>Desi</i>	Ca_Desig_Scaffold02035	19358	(A/T)
34906	CadSNP10501	<i>Desi</i>	Ca_Desig_Scaffold02036	74459	(C/A)
34907	CadSNP10502	<i>Desi</i>	Ca_Desig_Scaffold02038	8924	(C/T)
34908	CadSNP10503	<i>Desi</i>	Ca_Desig_Scaffold02038	8948	(C/A)
34909	CadSNP10504	<i>Desi</i>	Ca_Desig_Scaffold02038	30225	(G/A)
34910	CadSNP10505	<i>Desi</i>	Ca_Desig_Scaffold02038	30281	(C/G)
34911	CadSNP10506	<i>Desi</i>	Ca_Desig_Scaffold02051	46103	(T/C)
34912	CadSNP10507	<i>Desi</i>	Ca_Desig_Scaffold02058	19219	(T/G)
34913	CadSNP10508	<i>Desi</i>	Ca_Desig_Scaffold02058	26543	(C/T)
34914	CadSNP10509	<i>Desi</i>	Ca_Desig_Scaffold02058	26590	(T/C)
34915	CadSNP10510	<i>Desi</i>	Ca_Desig_Scaffold02058	28510	(A/T)
34916	CadSNP10511	<i>Desi</i>	Ca_Desig_Scaffold02058	28502	(G/A)
34917	CadSNP10512	<i>Desi</i>	Ca_Desig_Scaffold02058	28590	(C/A)
34918	CadSNP10513	<i>Desi</i>	Ca_Desig_Scaffold02058	28593	(A/G)
34919	CadSNP10514	<i>Desi</i>	Ca_Desig_Scaffold02060	622	(A/C)
34920	CadSNP10515	<i>Desi</i>	Ca_Desig_Scaffold02060	7372	(T/C)
34921	CadSNP10516	<i>Desi</i>	Ca_Desig_Scaffold02060	7552	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34922	CadSNP10517	<i>Desi</i>	Ca_Desig_Scaffold02060	7544	(A/T)
34923	CadSNP10518	<i>Desi</i>	Ca_Desig_Scaffold02060	16254	(A/C)
34924	CadSNP10519	<i>Desi</i>	Ca_Desig_Scaffold02060	17888	(T/G)
34925	CadSNP10520	<i>Desi</i>	Ca_Desig_Scaffold02060	43358	(T/G)
34926	CadSNP10521	<i>Desi</i>	Ca_Desig_Scaffold02069	7548	(T/C)
34927	CadSNP10522	<i>Desi</i>	Ca_Desig_Scaffold02069	7592	(C/A)
34928	CadSNP10523	<i>Desi</i>	Ca_Desig_Scaffold02071	17201	(T/C)
34929	CadSNP10524	<i>Desi</i>	Ca_Desig_Scaffold02074	40986	(T/A)
34930	CadSNP10525	<i>Desi</i>	Ca_Desig_Scaffold02076	21998	(A/C)
34931	CadSNP10526	<i>Desi</i>	Ca_Desig_Scaffold02084	2056	(T/A)
34932	CadSNP10527	<i>Desi</i>	Ca_Desig_Scaffold02084	2053	(A/T)
34933	CadSNP10528	<i>Desi</i>	Ca_Desig_Scaffold02085	13214	(T/A)
34934	CadSNP10529	<i>Desi</i>	Ca_Desig_Scaffold02085	24449	(G/T)
34935	CadSNP10530	<i>Desi</i>	Ca_Desig_Scaffold02085	24455	(G/C)
34936	CadSNP10531	<i>Desi</i>	Ca_Desig_Scaffold02086	50782	(A/G)
34937	CadSNP10532	<i>Desi</i>	Ca_Desig_Scaffold02088	43907	(C/T)
34938	CadSNP10533	<i>Desi</i>	Ca_Desig_Scaffold02088	52169	(T/C)
34939	CadSNP10534	<i>Desi</i>	Ca_Desig_Scaffold02088	52197	(A/T)
34940	CadSNP10535	<i>Desi</i>	Ca_Desig_Scaffold02088	52291	(A/G)
34941	CadSNP10536	<i>Desi</i>	Ca_Desig_Scaffold02088	52405	(C/A)
34942	CadSNP10537	<i>Desi</i>	Ca_Desig_Scaffold02088	52427	(G/A)
34943	CadSNP10538	<i>Desi</i>	Ca_Desig_Scaffold02091	52776	(A/G)
34944	CadSNP10539	<i>Desi</i>	Ca_Desig_Scaffold02091	52773	(G/C)
34945	CadSNP10540	<i>Desi</i>	Ca_Desig_Scaffold02091	52765	(G/A)
34946	CadSNP10541	<i>Desi</i>	Ca_Desig_Scaffold02091	52886	(G/C)
34947	CadSNP10542	<i>Desi</i>	Ca_Desig_Scaffold02093	113080	(G/T)
34948	CadSNP10543	<i>Desi</i>	Ca_Desig_Scaffold02093	113082	(T/C)
34949	CadSNP10544	<i>Desi</i>	Ca_Desig_Scaffold02093	113089	(A/G)
34950	CadSNP10545	<i>Desi</i>	Ca_Desig_Scaffold02093	113105	(C/A)
34951	CadSNP10546	<i>Desi</i>	Ca_Desig_Scaffold02093	113133	(T/A)
34952	CadSNP10547	<i>Desi</i>	Ca_Desig_Scaffold02093	113084	(T/C)
34953	CadSNP10548	<i>Desi</i>	Ca_Desig_Scaffold02093	115924	(G/A)
34954	CadSNP10549	<i>Desi</i>	Ca_Desig_Scaffold02093	115951	(G/T)
34955	CadSNP10550	<i>Desi</i>	Ca_Desig_Scaffold02093	115964	(G/A)
34956	CadSNP10551	<i>Desi</i>	Ca_Desig_Scaffold02095	4277	(C/A)
34957	CadSNP10552	<i>Desi</i>	Ca_Desig_Scaffold02095	32519	(A/G)
34958	CadSNP10553	<i>Desi</i>	Ca_Desig_Scaffold02095	32547	(T/G)
34959	CadSNP10554	<i>Desi</i>	Ca_Desig_Scaffold02095	32550	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34960	CadSNP10555	<i>Desi</i>	Ca_Desig_Scaffold02095	32560	(C/A)
34961	CadSNP10556	<i>Desi</i>	Ca_Desig_Scaffold02095	38451	(T/G)
34962	CadSNP10557	<i>Desi</i>	Ca_Desig_Scaffold02095	38555	(C/A)
34963	CadSNP10558	<i>Desi</i>	Ca_Desig_Scaffold02095	38627	(G/T)
34964	CadSNP10559	<i>Desi</i>	Ca_Desig_Scaffold02097	3347	(G/A)
34965	CadSNP10560	<i>Desi</i>	Ca_Desig_Scaffold02097	3967	(A/C)
34966	CadSNP10561	<i>Desi</i>	Ca_Desig_Scaffold02097	4491	(G/T)
34967	CadSNP10562	<i>Desi</i>	Ca_Desig_Scaffold02097	4507	(A/G)
34968	CadSNP10563	<i>Desi</i>	Ca_Desig_Scaffold02098	37277	(A/C)
34969	CadSNP10564	<i>Desi</i>	Ca_Desig_Scaffold02103	15896	(A/G)
34970	CadSNP10565	<i>Desi</i>	Ca_Desig_Scaffold02103	15914	(T/G)
34971	CadSNP10566	<i>Desi</i>	Ca_Desig_Scaffold02103	16042	(A/G)
34972	CadSNP10567	<i>Desi</i>	Ca_Desig_Scaffold02103	16033	(G/T)
34973	CadSNP10568	<i>Desi</i>	Ca_Desig_Scaffold02111	126201	(A/G)
34974	CadSNP10569	<i>Desi</i>	Ca_Desig_Scaffold02114	38150	(T/G)
34975	CadSNP10570	<i>Desi</i>	Ca_Desig_Scaffold02114	40465	(T/G)
34976	CadSNP10571	<i>Desi</i>	Ca_Desig_Scaffold02116	3064	(T/C)
34977	CadSNP10572	<i>Desi</i>	Ca_Desig_Scaffold02119	24622	(T/G)
34978	CadSNP10573	<i>Desi</i>	Ca_Desig_Scaffold02119	25591	(G/A)
34979	CadSNP10574	<i>Desi</i>	Ca_Desig_Scaffold02119	25584	(T/A)
34980	CadSNP10575	<i>Desi</i>	Ca_Desig_Scaffold02119	25601	(A/C)
34981	CadSNP10576	<i>Desi</i>	Ca_Desig_Scaffold02120	29467	(C/A)
34982	CadSNP10577	<i>Desi</i>	Ca_Desig_Scaffold02120	47499	(T/A)
34983	CadSNP10578	<i>Desi</i>	Ca_Desig_Scaffold02120	47601	(A/G)
34984	CadSNP10579	<i>Desi</i>	Ca_Desig_Scaffold02120	47609	(G/T)
34985	CadSNP10580	<i>Desi</i>	Ca_Desig_Scaffold02120	47620	(G/T)
34986	CadSNP10581	<i>Desi</i>	Ca_Desig_Scaffold02120	47685	(A/G)
34987	CadSNP10582	<i>Desi</i>	Ca_Desig_Scaffold02120	47637	(T/A)
34988	CadSNP10583	<i>Desi</i>	Ca_Desig_Scaffold02123	15191	(A/G)
34989	CadSNP10584	<i>Desi</i>	Ca_Desig_Scaffold02127	7453	(A/T)
34990	CadSNP10585	<i>Desi</i>	Ca_Desig_Scaffold02127	7479	(T/A)
34991	CadSNP10586	<i>Desi</i>	Ca_Desig_Scaffold02127	7497	(C/T)
34992	CadSNP10587	<i>Desi</i>	Ca_Desig_Scaffold02127	7511	(G/C)
34993	CadSNP10588	<i>Desi</i>	Ca_Desig_Scaffold02128	32051	(A/G)
34994	CadSNP10589	<i>Desi</i>	Ca_Desig_Scaffold02129	45248	(C/G)
34995	CadSNP10590	<i>Desi</i>	Ca_Desig_Scaffold02129	45282	(C/T)
34996	CadSNP10591	<i>Desi</i>	Ca_Desig_Scaffold02129	45920	(A/T)
34997	CadSNP10592	<i>Desi</i>	Ca_Desig_Scaffold02133	15592	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
34998	CadSNP10593	<i>Desi</i>	Ca_Desig_Scaffold02133	15570	(T/C)
34999	CadSNP10594	<i>Desi</i>	Ca_Desig_Scaffold02133	15562	(G/A)
35000	CadSNP10595	<i>Desi</i>	Ca_Desig_Scaffold02133	15533	(A/G)
35001	CadSNP10596	<i>Desi</i>	Ca_Desig_Scaffold02133	15657	(C/A)
35002	CadSNP10597	<i>Desi</i>	Ca_Desig_Scaffold02133	29168	(C/T)
35003	CadSNP10598	<i>Desi</i>	Ca_Desig_Scaffold02133	30876	(A/G)
35004	CadSNP10599	<i>Desi</i>	Ca_Desig_Scaffold02133	30880	(A/T)
35005	CadSNP10600	<i>Desi</i>	Ca_Desig_Scaffold02133	37689	(A/G)
35006	CadSNP10601	<i>Desi</i>	Ca_Desig_Scaffold02136	19060	(G/A)
35007	CadSNP10602	<i>Desi</i>	Ca_Desig_Scaffold02136	19555	(A/G)
35008	CadSNP10603	<i>Desi</i>	Ca_Desig_Scaffold02136	19693	(G/A)
35009	CadSNP10604	<i>Desi</i>	Ca_Desig_Scaffold02136	19621	(G/A)
35010	CadSNP10605	<i>Desi</i>	Ca_Desig_Scaffold02136	19900	(C/T)
35011	CadSNP10606	<i>Desi</i>	Ca_Desig_Scaffold02141	21724	(C/A)
35012	CadSNP10607	<i>Desi</i>	Ca_Desig_Scaffold02141	46924	(T/C)
35013	CadSNP10608	<i>Desi</i>	Ca_Desig_Scaffold02141	49139	(T/C)
35014	CadSNP10609	<i>Desi</i>	Ca_Desig_Scaffold02141	49144	(A/T)
35015	CadSNP10610	<i>Desi</i>	Ca_Desig_Scaffold02142	26302	(A/C)
35016	CadSNP10611	<i>Desi</i>	Ca_Desig_Scaffold02142	26488	(C/T)
35017	CadSNP10612	<i>Desi</i>	Ca_Desig_Scaffold02142	30162	(A/G)
35018	CadSNP10613	<i>Desi</i>	Ca_Desig_Scaffold02142	30207	(T/A)
35019	CadSNP10614	<i>Desi</i>	Ca_Desig_Scaffold02144	23361	(G/T)
35020	CadSNP10615	<i>Desi</i>	Ca_Desig_Scaffold02144	37313	(A/G)
35021	CadSNP10616	<i>Desi</i>	Ca_Desig_Scaffold02145	26633	(T/C)
35022	CadSNP10617	<i>Desi</i>	Ca_Desig_Scaffold02145	28251	(A/G)
35023	CadSNP10618	<i>Desi</i>	Ca_Desig_Scaffold02147	10201	(C/A)
35024	CadSNP10619	<i>Desi</i>	Ca_Desig_Scaffold02148	13771	(G/A)
35025	CadSNP10620	<i>Desi</i>	Ca_Desig_Scaffold02148	13808	(A/G)
35026	CadSNP10621	<i>Desi</i>	Ca_Desig_Scaffold02148	13896	(A/T)
35027	CadSNP10622	<i>Desi</i>	Ca_Desig_Scaffold02148	33271	(G/A)
35028	CadSNP10623	<i>Desi</i>	Ca_Desig_Scaffold02148	33278	(T/C)
35029	CadSNP10624	<i>Desi</i>	Ca_Desig_Scaffold02148	33294	(T/C)
35030	CadSNP10625	<i>Desi</i>	Ca_Desig_Scaffold02148	33295	(C/A)
35031	CadSNP10626	<i>Desi</i>	Ca_Desig_Scaffold02148	33354	(T/A)
35032	CadSNP10627	<i>Desi</i>	Ca_Desig_Scaffold02148	33457	(C/A)
35033	CadSNP10628	<i>Desi</i>	Ca_Desig_Scaffold02148	33432	(T/A)
35034	CadSNP10629	<i>Desi</i>	Ca_Desig_Scaffold02148	33428	(T/A)
35035	CadSNP10630	<i>Desi</i>	Ca_Desig_Scaffold02148	33381	(C/G)

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35036	CadSNP10631	<i>Desi</i>	Ca_Desig_Scaffold02148	33377	(C/T)
35037	CadSNP10632	<i>Desi</i>	Ca_Desig_Scaffold02154	7405	(A/G)
35038	CadSNP10633	<i>Desi</i>	Ca_Desig_Scaffold02154	11362	(T/A)
35039	CadSNP10634	<i>Desi</i>	Ca_Desig_Scaffold02154	11334	(C/A)
35040	CadSNP10635	<i>Desi</i>	Ca_Desig_Scaffold02156	26159	(C/T)
35041	CadSNP10636	<i>Desi</i>	Ca_Desig_Scaffold02159	27445	(C/A)
35042	CadSNP10637	<i>Desi</i>	Ca_Desig_Scaffold02163	40061	(C/G)
35043	CadSNP10638	<i>Desi</i>	Ca_Desig_Scaffold02165	47354	(A/T)
35044	CadSNP10639	<i>Desi</i>	Ca_Desig_Scaffold02168	45757	(T/C)
35045	CadSNP10640	<i>Desi</i>	Ca_Desig_Scaffold02168	45930	(C/T)
35046	CadSNP10641	<i>Desi</i>	Ca_Desig_Scaffold02168	45933	(G/T)
35047	CadSNP10642	<i>Desi</i>	Ca_Desig_Scaffold02168	45942	(C/T)
35048	CadSNP10643	<i>Desi</i>	Ca_Desig_Scaffold02168	45966	(C/T)
35049	CadSNP10644	<i>Desi</i>	Ca_Desig_Scaffold02168	46074	(G/T)
35050	CadSNP10645	<i>Desi</i>	Ca_Desig_Scaffold02168	46092	(A/G)
35051	CadSNP10646	<i>Desi</i>	Ca_Desig_Scaffold02168	46108	(C/T)
35052	CadSNP10647	<i>Desi</i>	Ca_Desig_Scaffold02168	46120	(A/G)
35053	CadSNP10648	<i>Desi</i>	Ca_Desig_Scaffold02168	47405	(G/A)
35054	CadSNP10649	<i>Desi</i>	Ca_Desig_Scaffold02168	47394	(T/G)
35055	CadSNP10650	<i>Desi</i>	Ca_Desig_Scaffold02173	23640	(T/G)
35056	CadSNP10651	<i>Desi</i>	Ca_Desig_Scaffold02173	23644	(G/A)
35057	CadSNP10652	<i>Desi</i>	Ca_Desig_Scaffold02173	23654	(C/A)
35058	CadSNP10653	<i>Desi</i>	Ca_Desig_Scaffold02173	23657	(C/A)
35059	CadSNP10654	<i>Desi</i>	Ca_Desig_Scaffold02174	15949	(T/A)
35060	CadSNP10655	<i>Desi</i>	Ca_Desig_Scaffold02174	16293	(C/A)
35061	CadSNP10656	<i>Desi</i>	Ca_Desig_Scaffold02184	3091	(T/G)
35062	CadSNP10657	<i>Desi</i>	Ca_Desig_Scaffold02184	3097	(T/A)
35063	CadSNP10658	<i>Desi</i>	Ca_Desig_Scaffold02184	5526	(T/G)
35064	CadSNP10659	<i>Desi</i>	Ca_Desig_Scaffold02186	21533	(G/A)
35065	CadSNP10660	<i>Desi</i>	Ca_Desig_Scaffold02186	21687	(A/G)
35066	CadSNP10661	<i>Desi</i>	Ca_Desig_Scaffold02186	21636	(A/G)
35067	CadSNP10662	<i>Desi</i>	Ca_Desig_Scaffold02191	30549	(T/C)
35068	CadSNP10663	<i>Desi</i>	Ca_Desig_Scaffold02192	3938	(G/A)
35069	CadSNP10664	<i>Desi</i>	Ca_Desig_Scaffold02192	3958	(A/G)
35070	CadSNP10665	<i>Desi</i>	Ca_Desig_Scaffold02192	3986	(C/T)
35071	CadSNP10666	<i>Desi</i>	Ca_Desig_Scaffold02192	4013	(G/A)
35072	CadSNP10667	<i>Desi</i>	Ca_Desig_Scaffold02192	4053	(A/T)
35073	CadSNP10668	<i>Desi</i>	Ca_Desig_Scaffold02192	4027	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35074	CadSNP10669	<i>Desi</i>	Ca_Desig_Scaffold02192	4139	(A/G)
35075	CadSNP10670	<i>Desi</i>	Ca_Desig_Scaffold02192	4122	(T/C)
35076	CadSNP10671	<i>Desi</i>	Ca_Desig_Scaffold02192	4121	(G/A)
35077	CadSNP10672	<i>Desi</i>	Ca_Desig_Scaffold02192	4118	(G/C)
35078	CadSNP10673	<i>Desi</i>	Ca_Desig_Scaffold02192	4105	(C/A)
35079	CadSNP10674	<i>Desi</i>	Ca_Desig_Scaffold02192	4109	(C/G)
35080	CadSNP10675	<i>Desi</i>	Ca_Desig_Scaffold02192	4110	(C/T)
35081	CadSNP10676	<i>Desi</i>	Ca_Desig_Scaffold02192	4178	(G/T)
35082	CadSNP10677	<i>Desi</i>	Ca_Desig_Scaffold02192	43142	(A/T)
35083	CadSNP10678	<i>Desi</i>	Ca_Desig_Scaffold02192	48787	(C/T)
35084	CadSNP10679	<i>Desi</i>	Ca_Desig_Scaffold02201	15155	(C/A)
35085	CadSNP10680	<i>Desi</i>	Ca_Desig_Scaffold02201	17069	(T/C)
35086	CadSNP10681	<i>Desi</i>	Ca_Desig_Scaffold02203	37266	(G/A)
35087	CadSNP10682	<i>Desi</i>	Ca_Desig_Scaffold02204	12103	(T/C)
35088	CadSNP10683	<i>Desi</i>	Ca_Desig_Scaffold02209	42668	(T/G)
35089	CadSNP10684	<i>Desi</i>	Ca_Desig_Scaffold02212	14279	(T/G)
35090	CadSNP10685	<i>Desi</i>	Ca_Desig_Scaffold02218	13917	(A/G)
35091	CadSNP10686	<i>Desi</i>	Ca_Desig_Scaffold02219	4137	(G/A)
35092	CadSNP10687	<i>Desi</i>	Ca_Desig_Scaffold02225	28810	(C/G)
35093	CadSNP10688	<i>Desi</i>	Ca_Desig_Scaffold02225	32642	(C/T)
35094	CadSNP10689	<i>Desi</i>	Ca_Desig_Scaffold02227	19150	(A/G)
35095	CadSNP10690	<i>Desi</i>	Ca_Desig_Scaffold02227	23730	(A/G)
35096	CadSNP10691	<i>Desi</i>	Ca_Desig_Scaffold02227	23828	(G/T)
35097	CadSNP10692	<i>Desi</i>	Ca_Desig_Scaffold02236	45990	(T/A)
35098	CadSNP10693	<i>Desi</i>	Ca_Desig_Scaffold02236	45992	(A/C)
35099	CadSNP10694	<i>Desi</i>	Ca_Desig_Scaffold02238	20042	(A/G)
35100	CadSNP10695	<i>Desi</i>	Ca_Desig_Scaffold02238	37374	(A/G)
35101	CadSNP10696	<i>Desi</i>	Ca_Desig_Scaffold02240	4617	(A/C)
35102	CadSNP10697	<i>Desi</i>	Ca_Desig_Scaffold02247	35899	(T/C)
35103	CadSNP10698	<i>Desi</i>	Ca_Desig_Scaffold02248	17500	(A/G)
35104	CadSNP10699	<i>Desi</i>	Ca_Desig_Scaffold02251	71859	(A/C)
35105	CadSNP10700	<i>Desi</i>	Ca_Desig_Scaffold02251	71840	(A/C)
35106	CadSNP10701	<i>Desi</i>	Ca_Desig_Scaffold02251	71959	(A/C)
35107	CadSNP10702	<i>Desi</i>	Ca_Desig_Scaffold02255	20801	(C/A)
35108	CadSNP10703	<i>Desi</i>	Ca_Desig_Scaffold02255	20805	(A/T)
35109	CadSNP10704	<i>Desi</i>	Ca_Desig_Scaffold02255	20813	(A/T)
35110	CadSNP10705	<i>Desi</i>	Ca_Desig_Scaffold02255	20844	(A/G)
35111	CadSNP10706	<i>Desi</i>	Ca_Desig_Scaffold02255	21031	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35112	CadSNP10707	<i>Desi</i>	Ca_Desig_Scaffold02255	21012	(G/C)
35113	CadSNP10708	<i>Desi</i>	Ca_Desig_Scaffold02255	20987	(G/A)
35114	CadSNP10709	<i>Desi</i>	Ca_Desig_Scaffold02255	20971	(T/C)
35115	CadSNP10710	<i>Desi</i>	Ca_Desig_Scaffold02255	21433	(C/T)
35116	CadSNP10711	<i>Desi</i>	Ca_Desig_Scaffold02255	35797	(G/T)
35117	CadSNP10712	<i>Desi</i>	Ca_Desig_Scaffold02255	35841	(A/G)
35118	CadSNP10713	<i>Desi</i>	Ca_Desig_Scaffold02257	10465	(T/A)
35119	CadSNP10714	<i>Desi</i>	Ca_Desig_Scaffold02257	10565	(T/G)
35120	CadSNP10715	<i>Desi</i>	Ca_Desig_Scaffold02257	10604	(T/G)
35121	CadSNP10716	<i>Desi</i>	Ca_Desig_Scaffold02257	10671	(T/G)
35122	CadSNP10717	<i>Desi</i>	Ca_Desig_Scaffold02257	32638	(A/G)
35123	CadSNP10718	<i>Desi</i>	Ca_Desig_Scaffold02259	28398	(T/A)
35124	CadSNP10719	<i>Desi</i>	Ca_Desig_Scaffold02259	28425	(A/T)
35125	CadSNP10720	<i>Desi</i>	Ca_Desig_Scaffold02259	28457	(A/G)
35126	CadSNP10721	<i>Desi</i>	Ca_Desig_Scaffold02259	28552	(C/T)
35127	CadSNP10722	<i>Desi</i>	Ca_Desig_Scaffold02259	28518	(A/G)
35128	CadSNP10723	<i>Desi</i>	Ca_Desig_Scaffold02259	28495	(G/C)
35129	CadSNP10724	<i>Desi</i>	Ca_Desig_Scaffold02259	28483	(A/G)
35130	CadSNP10725	<i>Desi</i>	Ca_Desig_Scaffold02262	25393	(G/T)
35131	CadSNP10726	<i>Desi</i>	Ca_Desig_Scaffold02269	13443	(C/T)
35132	CadSNP10727	<i>Desi</i>	Ca_Desig_Scaffold02269	13588	(G/A)
35133	CadSNP10728	<i>Desi</i>	Ca_Desig_Scaffold02269	13653	(G/A)
35134	CadSNP10729	<i>Desi</i>	Ca_Desig_Scaffold02269	13621	(T/C)
35135	CadSNP10730	<i>Desi</i>	Ca_Desig_Scaffold02277	33852	(G/T)
35136	CadSNP10731	<i>Desi</i>	Ca_Desig_Scaffold02278	254365	(T/G)
35137	CadSNP10732	<i>Desi</i>	Ca_Desig_Scaffold02278	258172	(A/C)
35138	CadSNP10733	<i>Desi</i>	Ca_Desig_Scaffold02278	258265	(G/A)
35139	CadSNP10734	<i>Desi</i>	Ca_Desig_Scaffold02278	258241	(T/C)
35140	CadSNP10735	<i>Desi</i>	Ca_Desig_Scaffold02280	18857	(C/T)
35141	CadSNP10736	<i>Desi</i>	Ca_Desig_Scaffold02282	18636	(G/A)
35142	CadSNP10737	<i>Desi</i>	Ca_Desig_Scaffold02283	36234	(A/C)
35143	CadSNP10738	<i>Desi</i>	Ca_Desig_Scaffold02284	25942	(C/T)
35144	CadSNP10739	<i>Desi</i>	Ca_Desig_Scaffold02286	6442	(C/T)
35145	CadSNP10740	<i>Desi</i>	Ca_Desig_Scaffold02287	9880	(T/C)
35146	CadSNP10741	<i>Desi</i>	Ca_Desig_Scaffold02287	10094	(C/T)
35147	CadSNP10742	<i>Desi</i>	Ca_Desig_Scaffold02287	12339	(A/G)
35148	CadSNP10743	<i>Desi</i>	Ca_Desig_Scaffold02291	21473	(A/G)
35149	CadSNP10744	<i>Desi</i>	Ca_Desig_Scaffold02291	45877	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35150	CadSNP10745	<i>Desi</i>	Ca_Desig_Scaffold02295	29864	(C/T)
35151	CadSNP10746	<i>Desi</i>	Ca_Desig_Scaffold02296	81922	(C/T)
35152	CadSNP10747	<i>Desi</i>	Ca_Desig_Scaffold02297	25083	(G/A)
35153	CadSNP10748	<i>Desi</i>	Ca_Desig_Scaffold02297	25095	(A/T)
35154	CadSNP10749	<i>Desi</i>	Ca_Desig_Scaffold02297	25154	(C/G)
35155	CadSNP10750	<i>Desi</i>	Ca_Desig_Scaffold02297	25241	(A/T)
35156	CadSNP10751	<i>Desi</i>	Ca_Desig_Scaffold02297	25230	(G/A)
35157	CadSNP10752	<i>Desi</i>	Ca_Desig_Scaffold02297	30875	(G/T)
35158	CadSNP10753	<i>Desi</i>	Ca_Desig_Scaffold02297	30897	(C/T)
35159	CadSNP10754	<i>Desi</i>	Ca_Desig_Scaffold02297	30921	(T/C)
35160	CadSNP10755	<i>Desi</i>	Ca_Desig_Scaffold02301	12710	(A/T)
35161	CadSNP10756	<i>Desi</i>	Ca_Desig_Scaffold02301	12718	(G/A)
35162	CadSNP10757	<i>Desi</i>	Ca_Desig_Scaffold02301	12729	(G/A)
35163	CadSNP10758	<i>Desi</i>	Ca_Desig_Scaffold02301	12739	(G/A)
35164	CadSNP10759	<i>Desi</i>	Ca_Desig_Scaffold02301	12760	(C/T)
35165	CadSNP10760	<i>Desi</i>	Ca_Desig_Scaffold02301	19304	(G/T)
35166	CadSNP10761	<i>Desi</i>	Ca_Desig_Scaffold02301	91631	(G/A)
35167	CadSNP10762	<i>Desi</i>	Ca_Desig_Scaffold02301	417398	(T/A)
35168	CadSNP10763	<i>Desi</i>	Ca_Desig_Scaffold02301	417413	(T/C)
35169	CadSNP10764	<i>Desi</i>	Ca_Desig_Scaffold02305	22047	(A/C)
35170	CadSNP10765	<i>Desi</i>	Ca_Desig_Scaffold02305	22036	(G/A)
35171	CadSNP10766	<i>Desi</i>	Ca_Desig_Scaffold02305	22021	(T/G)
35172	CadSNP10767	<i>Desi</i>	Ca_Desig_Scaffold02305	29687	(T/G)
35173	CadSNP10768	<i>Desi</i>	Ca_Desig_Scaffold02310	17054	(G/A)
35174	CadSNP10769	<i>Desi</i>	Ca_Desig_Scaffold02310	21517	(A/G)
35175	CadSNP10770	<i>Desi</i>	Ca_Desig_Scaffold02311	31547	(C/T)
35176	CadSNP10771	<i>Desi</i>	Ca_Desig_Scaffold02312	3186	(G/A)
35177	CadSNP10772	<i>Desi</i>	Ca_Desig_Scaffold02312	3248	(A/G)
35178	CadSNP10773	<i>Desi</i>	Ca_Desig_Scaffold02312	3257	(T/C)
35179	CadSNP10774	<i>Desi</i>	Ca_Desig_Scaffold02312	40688	(G/C)
35180	CadSNP10775	<i>Desi</i>	Ca_Desig_Scaffold02312	40694	(T/C)
35181	CadSNP10776	<i>Desi</i>	Ca_Desig_Scaffold02312	40709	(C/T)
35182	CadSNP10777	<i>Desi</i>	Ca_Desig_Scaffold02317	32939	(G/A)
35183	CadSNP10778	<i>Desi</i>	Ca_Desig_Scaffold02317	54463	(A/G)
35184	CadSNP10779	<i>Desi</i>	Ca_Desig_Scaffold02317	80499	(A/C)
35185	CadSNP10780	<i>Desi</i>	Ca_Desig_Scaffold02317	103744	(T/G)
35186	CadSNP10781	<i>Desi</i>	Ca_Desig_Scaffold02319	37852	(G/C)
35187	CadSNP10782	<i>Desi</i>	Ca_Desig_Scaffold02319	37854	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35188	CadSNP10783	<i>Desi</i>	Ca_Desig_Scaffold02319	37873	(T/A)
35189	CadSNP10784	<i>Desi</i>	Ca_Desig_Scaffold02319	37877	(C/A)
35190	CadSNP10785	<i>Desi</i>	Ca_Desig_Scaffold02319	37879	(A/C)
35191	CadSNP10786	<i>Desi</i>	Ca_Desig_Scaffold02319	38045	(G/A)
35192	CadSNP10787	<i>Desi</i>	Ca_Desig_Scaffold02319	38011	(T/C)
35193	CadSNP10788	<i>Desi</i>	Ca_Desig_Scaffold02319	38008	(C/A)
35194	CadSNP10789	<i>Desi</i>	Ca_Desig_Scaffold02329	42117	(C/T)
35195	CadSNP10790	<i>Desi</i>	Ca_Desig_Scaffold02329	42113	(T/G)
35196	CadSNP10791	<i>Desi</i>	Ca_Desig_Scaffold02329	42106	(G/A)
35197	CadSNP10792	<i>Desi</i>	Ca_Desig_Scaffold02329	42105	(A/C)
35198	CadSNP10793	<i>Desi</i>	Ca_Desig_Scaffold02330	20724	(A/T)
35199	CadSNP10794	<i>Desi</i>	Ca_Desig_Scaffold02330	20725	(T/C)
35200	CadSNP10795	<i>Desi</i>	Ca_Desig_Scaffold02330	22311	(T/G)
35201	CadSNP10796	<i>Desi</i>	Ca_Desig_Scaffold02331	4100	(T/C)
35202	CadSNP10797	<i>Desi</i>	Ca_Desig_Scaffold02331	7520	(T/G)
35203	CadSNP10798	<i>Desi</i>	Ca_Desig_Scaffold02331	7585	(A/G)
35204	CadSNP10799	<i>Desi</i>	Ca_Desig_Scaffold02331	20124	(C/T)
35205	CadSNP10800	<i>Desi</i>	Ca_Desig_Scaffold02331	20120	(T/C)
35206	CadSNP10801	<i>Desi</i>	Ca_Desig_Scaffold02331	24994	(C/G)
35207	CadSNP10802	<i>Desi</i>	Ca_Desig_Scaffold02331	25016	(C/A)
35208	CadSNP10803	<i>Desi</i>	Ca_Desig_Scaffold02331	27339	(C/G)
35209	CadSNP10804	<i>Desi</i>	Ca_Desig_Scaffold02331	27348	(C/T)
35210	CadSNP10805	<i>Desi</i>	Ca_Desig_Scaffold02331	27603	(C/G)
35211	CadSNP10806	<i>Desi</i>	Ca_Desig_Scaffold02331	27534	(T/C)
35212	CadSNP10807	<i>Desi</i>	Ca_Desig_Scaffold02332	24452	(A/G)
35213	CadSNP10808	<i>Desi</i>	Ca_Desig_Scaffold02332	24540	(A/T)
35214	CadSNP10809	<i>Desi</i>	Ca_Desig_Scaffold02335	13564	(C/T)
35215	CadSNP10810	<i>Desi</i>	Ca_Desig_Scaffold02335	13566	(T/G)
35216	CadSNP10811	<i>Desi</i>	Ca_Desig_Scaffold02335	13578	(C/A)
35217	CadSNP10812	<i>Desi</i>	Ca_Desig_Scaffold02335	13603	(T/C)
35218	CadSNP10813	<i>Desi</i>	Ca_Desig_Scaffold02335	13610	(T/C)
35219	CadSNP10814	<i>Desi</i>	Ca_Desig_Scaffold02335	13613	(C/T)
35220	CadSNP10815	<i>Desi</i>	Ca_Desig_Scaffold02335	13614	(A/G)
35221	CadSNP10816	<i>Desi</i>	Ca_Desig_Scaffold02335	13622	(T/A)
35222	CadSNP10817	<i>Desi</i>	Ca_Desig_Scaffold02337	15538	(G/A)
35223	CadSNP10818	<i>Desi</i>	Ca_Desig_Scaffold02337	15842	(A/C)
35224	CadSNP10819	<i>Desi</i>	Ca_Desig_Scaffold02337	34186	(A/C)
35225	CadSNP10820	<i>Desi</i>	Ca_Desig_Scaffold02342	8971	(C/A)

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35226	CadSNP10821	<i>Desi</i>	Ca_Desig_Scaffold02343	41701	(T/C)
35227	CadSNP10822	<i>Desi</i>	Ca_Desig_Scaffold02348	32152	(C/T)
35228	CadSNP10823	<i>Desi</i>	Ca_Desig_Scaffold02357	21699	(T/C)
35229	CadSNP10824	<i>Desi</i>	Ca_Desig_Scaffold02357	37353	(G/A)
35230	CadSNP10825	<i>Desi</i>	Ca_Desig_Scaffold02357	37372	(C/T)
35231	CadSNP10826	<i>Desi</i>	Ca_Desig_Scaffold02359	15205	(T/G)
35232	CadSNP10827	<i>Desi</i>	Ca_Desig_Scaffold02361	28258	(A/C)
35233	CadSNP10828	<i>Desi</i>	Ca_Desig_Scaffold02361	28229	(T/G)
35234	CadSNP10829	<i>Desi</i>	Ca_Desig_Scaffold02361	28218	(C/T)
35235	CadSNP10830	<i>Desi</i>	Ca_Desig_Scaffold02361	28214	(G/A)
35236	CadSNP10831	<i>Desi</i>	Ca_Desig_Scaffold02361	36279	(A/G)
35237	CadSNP10832	<i>Desi</i>	Ca_Desig_Scaffold02361	38030	(A/G)
35238	CadSNP10833	<i>Desi</i>	Ca_Desig_Scaffold02363	42428	(G/A)
35239	CadSNP10834	<i>Desi</i>	Ca_Desig_Scaffold02363	42413	(C/T)
35240	CadSNP10835	<i>Desi</i>	Ca_Desig_Scaffold02365	20044	(A/T)
35241	CadSNP10836	<i>Desi</i>	Ca_Desig_Scaffold02366	30000	(C/T)
35242	CadSNP10837	<i>Desi</i>	Ca_Desig_Scaffold02366	30016	(T/C)
35243	CadSNP10838	<i>Desi</i>	Ca_Desig_Scaffold02370	39096	(C/T)
35244	CadSNP10839	<i>Desi</i>	Ca_Desig_Scaffold02374	39975	(C/T)
35245	CadSNP10840	<i>Desi</i>	Ca_Desig_Scaffold02375	4097	(A/G)
35246	CadSNP10841	<i>Desi</i>	Ca_Desig_Scaffold02375	37777	(G/A)
35247	CadSNP10842	<i>Desi</i>	Ca_Desig_Scaffold02375	37771	(A/T)
35248	CadSNP10843	<i>Desi</i>	Ca_Desig_Scaffold02387	41284	(A/C)
35249	CadSNP10844	<i>Desi</i>	Ca_Desig_Scaffold02389	37900	(C/A)
35250	CadSNP10845	<i>Desi</i>	Ca_Desig_Scaffold02389	38041	(G/C)
35251	CadSNP10846	<i>Desi</i>	Ca_Desig_Scaffold02389	42559	(T/C)
35252	CadSNP10847	<i>Desi</i>	Ca_Desig_Scaffold02391	41529	(A/G)
35253	CadSNP10848	<i>Desi</i>	Ca_Desig_Scaffold02391	41572	(G/A)
35254	CadSNP10849	<i>Desi</i>	Ca_Desig_Scaffold02398	21640	(G/C)
35255	CadSNP10850	<i>Desi</i>	Ca_Desig_Scaffold02401	2221	(G/A)
35256	CadSNP10851	<i>Desi</i>	Ca_Desig_Scaffold02401	2244	(C/A)
35257	CadSNP10852	<i>Desi</i>	Ca_Desig_Scaffold02401	2251	(G/T)
35258	CadSNP10853	<i>Desi</i>	Ca_Desig_Scaffold02401	2341	(G/C)
35259	CadSNP10854	<i>Desi</i>	Ca_Desig_Scaffold02401	2297	(A/G)
35260	CadSNP10855	<i>Desi</i>	Ca_Desig_Scaffold02401	3613	(T/C)
35261	CadSNP10856	<i>Desi</i>	Ca_Desig_Scaffold02401	3673	(C/T)
35262	CadSNP10857	<i>Desi</i>	Ca_Desig_Scaffold02401	4817	(G/A)
35263	CadSNP10858	<i>Desi</i>	Ca_Desig_Scaffold02401	4825	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35264	CadSNP10859	<i>Desi</i>	Ca_Desig_Scaffold02401	4858	(G/T)
35265	CadSNP10860	<i>Desi</i>	Ca_Desig_Scaffold02401	4876	(G/A)
35266	CadSNP10861	<i>Desi</i>	Ca_Desig_Scaffold02401	5591	(T/G)
35267	CadSNP10862	<i>Desi</i>	Ca_Desig_Scaffold02401	5593	(A/T)
35268	CadSNP10863	<i>Desi</i>	Ca_Desig_Scaffold02401	5610	(A/T)
35269	CadSNP10864	<i>Desi</i>	Ca_Desig_Scaffold02401	5798	(T/A)
35270	CadSNP10865	<i>Desi</i>	Ca_Desig_Scaffold02401	5796	(G/T)
35271	CadSNP10866	<i>Desi</i>	Ca_Desig_Scaffold02401	12927	(A/G)
35272	CadSNP10867	<i>Desi</i>	Ca_Desig_Scaffold02401	12903	(C/G)
35273	CadSNP10868	<i>Desi</i>	Ca_Desig_Scaffold02401	12866	(G/A)
35274	CadSNP10869	<i>Desi</i>	Ca_Desig_Scaffold02401	14018	(G/T)
35275	CadSNP10870	<i>Desi</i>	Ca_Desig_Scaffold02401	39981	(A/C)
35276	CadSNP10871	<i>Desi</i>	Ca_Desig_Scaffold02404	15890	(A/G)
35277	CadSNP10872	<i>Desi</i>	Ca_Desig_Scaffold02404	19861	(A/G)
35278	CadSNP10873	<i>Desi</i>	Ca_Desig_Scaffold02404	36288	(C/G)
35279	CadSNP10874	<i>Desi</i>	Ca_Desig_Scaffold02411	21629	(G/A)
35280	CadSNP10875	<i>Desi</i>	Ca_Desig_Scaffold02411	21750	(T/C)
35281	CadSNP10876	<i>Desi</i>	Ca_Desig_Scaffold02414	4988	(C/T)
35282	CadSNP10877	<i>Desi</i>	Ca_Desig_Scaffold02414	5474	(T/C)
35283	CadSNP10878	<i>Desi</i>	Ca_Desig_Scaffold02414	5456	(C/T)
35284	CadSNP10879	<i>Desi</i>	Ca_Desig_Scaffold02414	5453	(T/G)
35285	CadSNP10880	<i>Desi</i>	Ca_Desig_Scaffold02424	31331	(T/A)
35286	CadSNP10881	<i>Desi</i>	Ca_Desig_Scaffold02424	61755	(G/A)
35287	CadSNP10882	<i>Desi</i>	Ca_Desig_Scaffold02424	61769	(G/A)
35288	CadSNP10883	<i>Desi</i>	Ca_Desig_Scaffold02424	61775	(T/G)
35289	CadSNP10884	<i>Desi</i>	Ca_Desig_Scaffold02424	61785	(T/C)
35290	CadSNP10885	<i>Desi</i>	Ca_Desig_Scaffold02424	61811	(G/T)
35291	CadSNP10886	<i>Desi</i>	Ca_Desig_Scaffold02424	61827	(G/C)
35292	CadSNP10887	<i>Desi</i>	Ca_Desig_Scaffold02424	61861	(G/T)
35293	CadSNP10888	<i>Desi</i>	Ca_Desig_Scaffold02424	62037	(T/C)
35294	CadSNP10889	<i>Desi</i>	Ca_Desig_Scaffold02424	62017	(C/T)
35295	CadSNP10890	<i>Desi</i>	Ca_Desig_Scaffold02424	62010	(T/C)
35296	CadSNP10891	<i>Desi</i>	Ca_Desig_Scaffold02424	61961	(G/A)
35297	CadSNP10892	<i>Desi</i>	Ca_Desig_Scaffold02424	75285	(C/A)
35298	CadSNP10893	<i>Desi</i>	Ca_Desig_Scaffold02427	33186	(T/A)
35299	CadSNP10894	<i>Desi</i>	Ca_Desig_Scaffold02430	4449	(C/G)
35300	CadSNP10895	<i>Desi</i>	Ca_Desig_Scaffold02430	4465	(C/T)
35301	CadSNP10896	<i>Desi</i>	Ca_Desig_Scaffold02434	28388	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35302	CadSNP10897	<i>Desi</i>	Ca_Desig_Scaffold02434	28448	(C/T)
35303	CadSNP10898	<i>Desi</i>	Ca_Desig_Scaffold02434	28487	(C/A)
35304	CadSNP10899	<i>Desi</i>	Ca_Desig_Scaffold02434	28494	(T/G)
35305	CadSNP10900	<i>Desi</i>	Ca_Desig_Scaffold02437	10556	(G/A)
35306	CadSNP10901	<i>Desi</i>	Ca_Desig_Scaffold02437	10694	(G/T)
35307	CadSNP10902	<i>Desi</i>	Ca_Desig_Scaffold02437	10754	(G/A)
35308	CadSNP10903	<i>Desi</i>	Ca_Desig_Scaffold02437	10793	(A/G)
35309	CadSNP10904	<i>Desi</i>	Ca_Desig_Scaffold02437	10844	(G/A)
35310	CadSNP10905	<i>Desi</i>	Ca_Desig_Scaffold02437	10982	(G/A)
35311	CadSNP10906	<i>Desi</i>	Ca_Desig_Scaffold02437	17890	(G/A)
35312	CadSNP10907	<i>Desi</i>	Ca_Desig_Scaffold02437	21498	(A/G)
35313	CadSNP10908	<i>Desi</i>	Ca_Desig_Scaffold02437	21589	(A/G)
35314	CadSNP10909	<i>Desi</i>	Ca_Desig_Scaffold02437	24605	(G/T)
35315	CadSNP10910	<i>Desi</i>	Ca_Desig_Scaffold02445	11740	(T/C)
35316	CadSNP10911	<i>Desi</i>	Ca_Desig_Scaffold02445	11810	(C/T)
35317	CadSNP10912	<i>Desi</i>	Ca_Desig_Scaffold02445	12082	(C/T)
35318	CadSNP10913	<i>Desi</i>	Ca_Desig_Scaffold02445	25911	(C/A)
35319	CadSNP10914	<i>Desi</i>	Ca_Desig_Scaffold02445	25910	(T/A)
35320	CadSNP10915	<i>Desi</i>	Ca_Desig_Scaffold02445	25905	(C/A)
35321	CadSNP10916	<i>Desi</i>	Ca_Desig_Scaffold02445	25902	(C/T)
35322	CadSNP10917	<i>Desi</i>	Ca_Desig_Scaffold02445	25900	(G/T)
35323	CadSNP10918	<i>Desi</i>	Ca_Desig_Scaffold02445	25899	(C/T)
35324	CadSNP10919	<i>Desi</i>	Ca_Desig_Scaffold02445	25897	(C/T)
35325	CadSNP10920	<i>Desi</i>	Ca_Desig_Scaffold02446	26958	(A/C)
35326	CadSNP10921	<i>Desi</i>	Ca_Desig_Scaffold02447	34332	(T/G)
35327	CadSNP10922	<i>Desi</i>	Ca_Desig_Scaffold02458	6801	(C/A)
35328	CadSNP10923	<i>Desi</i>	Ca_Desig_Scaffold02465	3870	(C/A)
35329	CadSNP10924	<i>Desi</i>	Ca_Desig_Scaffold02465	3869	(A/G)
35330	CadSNP10925	<i>Desi</i>	Ca_Desig_Scaffold02465	3868	(G/A)
35331	CadSNP10926	<i>Desi</i>	Ca_Desig_Scaffold02465	3867	(G/A)
35332	CadSNP10927	<i>Desi</i>	Ca_Desig_Scaffold02465	3865	(C/G)
35333	CadSNP10928	<i>Desi</i>	Ca_Desig_Scaffold02465	3864	(A/C)
35334	CadSNP10929	<i>Desi</i>	Ca_Desig_Scaffold02466	20881	(C/G)
35335	CadSNP10930	<i>Desi</i>	Ca_Desig_Scaffold02470	42205	(C/A)
35336	CadSNP10931	<i>Desi</i>	Ca_Desig_Scaffold02470	42270	(T/A)
35337	CadSNP10932	<i>Desi</i>	Ca_Desig_Scaffold02470	42290	(A/C)
35338	CadSNP10933	<i>Desi</i>	Ca_Desig_Scaffold02474	43018	(T/C)
35339	CadSNP10934	<i>Desi</i>	Ca_Desig_Scaffold02474	43054	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35340	CadSNP10935	<i>Desi</i>	Ca_Desig_Scaffold02475	20624	(T/C)
35341	CadSNP10936	<i>Desi</i>	Ca_Desig_Scaffold02476	22506	(G/A)
35342	CadSNP10937	<i>Desi</i>	Ca_Desig_Scaffold02476	35029	(A/G)
35343	CadSNP10938	<i>Desi</i>	Ca_Desig_Scaffold02476	35006	(A/C)
35344	CadSNP10939	<i>Desi</i>	Ca_Desig_Scaffold02476	35010	(G/A)
35345	CadSNP10940	<i>Desi</i>	Ca_Desig_Scaffold02476	35011	(A/T)
35346	CadSNP10941	<i>Desi</i>	Ca_Desig_Scaffold02476	35018	(C/A)
35347	CadSNP10942	<i>Desi</i>	Ca_Desig_Scaffold02476	35027	(T/A)
35348	CadSNP10943	<i>Desi</i>	Ca_Desig_Scaffold02476	35028	(C/A)
35349	CadSNP10944	<i>Desi</i>	Ca_Desig_Scaffold02476	35030	(G/T)
35350	CadSNP10945	<i>Desi</i>	Ca_Desig_Scaffold02476	35031	(C/A)
35351	CadSNP10946	<i>Desi</i>	Ca_Desig_Scaffold02476	35039	(T/A)
35352	CadSNP10947	<i>Desi</i>	Ca_Desig_Scaffold02476	35049	(G/A)
35353	CadSNP10948	<i>Desi</i>	Ca_Desig_Scaffold02476	35124	(G/C)
35354	CadSNP10949	<i>Desi</i>	Ca_Desig_Scaffold02476	35127	(G/A)
35355	CadSNP10950	<i>Desi</i>	Ca_Desig_Scaffold02476	35188	(T/A)
35356	CadSNP10951	<i>Desi</i>	Ca_Desig_Scaffold02476	35187	(T/C)
35357	CadSNP10952	<i>Desi</i>	Ca_Desig_Scaffold02476	35163	(A/G)
35358	CadSNP10953	<i>Desi</i>	Ca_Desig_Scaffold02478	37185	(G/A)
35359	CadSNP10954	<i>Desi</i>	Ca_Desig_Scaffold02478	37295	(A/C)
35360	CadSNP10955	<i>Desi</i>	Ca_Desig_Scaffold02478	37275	(G/A)
35361	CadSNP10956	<i>Desi</i>	Ca_Desig_Scaffold02478	37259	(G/A)
35362	CadSNP10957	<i>Desi</i>	Ca_Desig_Scaffold02490	547	(T/A)
35363	CadSNP10958	<i>Desi</i>	Ca_Desig_Scaffold02490	517	(T/A)
35364	CadSNP10959	<i>Desi</i>	Ca_Desig_Scaffold02493	37115	(T/C)
35365	CadSNP10960	<i>Desi</i>	Ca_Desig_Scaffold02502	4384	(A/G)
35366	CadSNP10961	<i>Desi</i>	Ca_Desig_Scaffold02503	9042	(T/C)
35367	CadSNP10962	<i>Desi</i>	Ca_Desig_Scaffold02505	19143	(A/G)
35368	CadSNP10963	<i>Desi</i>	Ca_Desig_Scaffold02514	1020	(T/C)
35369	CadSNP10964	<i>Desi</i>	Ca_Desig_Scaffold02514	1026	(T/G)
35370	CadSNP10965	<i>Desi</i>	Ca_Desig_Scaffold02514	6393	(T/C)
35371	CadSNP10966	<i>Desi</i>	Ca_Desig_Scaffold02519	35058	(A/T)
35372	CadSNP10967	<i>Desi</i>	Ca_Desig_Scaffold02519	34995	(T/C)
35373	CadSNP10968	<i>Desi</i>	Ca_Desig_Scaffold02523	3391	(G/A)
35374	CadSNP10969	<i>Desi</i>	Ca_Desig_Scaffold02523	39370	(G/A)
35375	CadSNP10970	<i>Desi</i>	Ca_Desig_Scaffold02523	39373	(T/C)
35376	CadSNP10971	<i>Desi</i>	Ca_Desig_Scaffold02524	35771	(A/C)
35377	CadSNP10972	<i>Desi</i>	Ca_Desig_Scaffold02526	35549	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35378	CadSNP10973	<i>Desi</i>	Ca_Desig_Scaffold02531	8677	(T/G)
35379	CadSNP10974	<i>Desi</i>	Ca_Desig_Scaffold02535	82252	(G/A)
35380	CadSNP10975	<i>Desi</i>	Ca_Desig_Scaffold02535	83129	(A/G)
35381	CadSNP10976	<i>Desi</i>	Ca_Desig_Scaffold02537	35987	(C/T)
35382	CadSNP10977	<i>Desi</i>	Ca_Desig_Scaffold02537	35978	(A/C)
35383	CadSNP10978	<i>Desi</i>	Ca_Desig_Scaffold02548	7266	(G/A)
35384	CadSNP10979	<i>Desi</i>	Ca_Desig_Scaffold02548	11336	(A/C)
35385	CadSNP10980	<i>Desi</i>	Ca_Desig_Scaffold02548	13665	(C/T)
35386	CadSNP10981	<i>Desi</i>	Ca_Desig_Scaffold02562	722	(T/A)
35387	CadSNP10982	<i>Desi</i>	Ca_Desig_Scaffold02562	22051	(A/T)
35388	CadSNP10983	<i>Desi</i>	Ca_Desig_Scaffold02562	22327	(C/T)
35389	CadSNP10984	<i>Desi</i>	Ca_Desig_Scaffold02562	26406	(A/T)
35390	CadSNP10985	<i>Desi</i>	Ca_Desig_Scaffold02562	42083	(C/T)
35391	CadSNP10986	<i>Desi</i>	Ca_Desig_Scaffold02566	17870	(T/C)
35392	CadSNP10987	<i>Desi</i>	Ca_Desig_Scaffold02566	23230	(G/A)
35393	CadSNP10988	<i>Desi</i>	Ca_Desig_Scaffold02573	21363	(G/A)
35394	CadSNP10989	<i>Desi</i>	Ca_Desig_Scaffold02578	20032	(G/T)
35395	CadSNP10990	<i>Desi</i>	Ca_Desig_Scaffold02578	20024	(C/T)
35396	CadSNP10991	<i>Desi</i>	Ca_Desig_Scaffold02584	818	(C/A)
35397	CadSNP10992	<i>Desi</i>	Ca_Desig_Scaffold02584	781	(G/A)
35398	CadSNP10993	<i>Desi</i>	Ca_Desig_Scaffold02584	778	(A/G)
35399	CadSNP10994	<i>Desi</i>	Ca_Desig_Scaffold02584	875	(C/T)
35400	CadSNP10995	<i>Desi</i>	Ca_Desig_Scaffold02584	842	(G/T)
35401	CadSNP10996	<i>Desi</i>	Ca_Desig_Scaffold02584	841	(C/T)
35402	CadSNP10997	<i>Desi</i>	Ca_Desig_Scaffold02584	9445	(G/A)
35403	CadSNP10998	<i>Desi</i>	Ca_Desig_Scaffold02584	11311	(A/T)
35404	CadSNP10999	<i>Desi</i>	Ca_Desig_Scaffold02586	8828	(A/C)
35405	CadSNP11000	<i>Desi</i>	Ca_Desig_Scaffold02589	20722	(C/T)
35406	CadSNP11001	<i>Desi</i>	Ca_Desig_Scaffold02589	61134	(A/G)
35407	CadSNP11002	<i>Desi</i>	Ca_Desig_Scaffold02589	61278	(T/C)
35408	CadSNP11003	<i>Desi</i>	Ca_Desig_Scaffold02589	61365	(T/G)
35409	CadSNP11004	<i>Desi</i>	Ca_Desig_Scaffold02589	61395	(G/A)
35410	CadSNP11005	<i>Desi</i>	Ca_Desig_Scaffold02589	63458	(A/G)
35411	CadSNP11006	<i>Desi</i>	Ca_Desig_Scaffold02589	105559	(T/C)
35412	CadSNP11007	<i>Desi</i>	Ca_Desig_Scaffold02589	114142	(T/C)
35413	CadSNP11008	<i>Desi</i>	Ca_Desig_Scaffold02589	114176	(C/T)
35414	CadSNP11009	<i>Desi</i>	Ca_Desig_Scaffold02593	4592	(G/A)
35415	CadSNP11010	<i>Desi</i>	Ca_Desig_Scaffold02602	3492	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35416	CadSNP11011	<i>Desi</i>	Ca_Desig_Scaffold02602	5370	(A/G)
35417	CadSNP11012	<i>Desi</i>	Ca_Desig_Scaffold02602	12446	(C/T)
35418	CadSNP11013	<i>Desi</i>	Ca_Desig_Scaffold02602	22116	(G/A)
35419	CadSNP11014	<i>Desi</i>	Ca_Desig_Scaffold02602	22178	(A/C)
35420	CadSNP11015	<i>Desi</i>	Ca_Desig_Scaffold02602	33915	(A/G)
35421	CadSNP11016	<i>Desi</i>	Ca_Desig_Scaffold02603	4601	(C/T)
35422	CadSNP11017	<i>Desi</i>	Ca_Desig_Scaffold02603	16382	(G/A)
35423	CadSNP11018	<i>Desi</i>	Ca_Desig_Scaffold02603	16361	(G/T)
35424	CadSNP11019	<i>Desi</i>	Ca_Desig_Scaffold02603	16448	(T/C)
35425	CadSNP11020	<i>Desi</i>	Ca_Desig_Scaffold02616	19264	(A/C)
35426	CadSNP11021	<i>Desi</i>	Ca_Desig_Scaffold02619	18792	(T/A)
35427	CadSNP11022	<i>Desi</i>	Ca_Desig_Scaffold02619	18894	(T/A)
35428	CadSNP11023	<i>Desi</i>	Ca_Desig_Scaffold02619	18864	(G/T)
35429	CadSNP11024	<i>Desi</i>	Ca_Desig_Scaffold02619	19775	(G/A)
35430	CadSNP11025	<i>Desi</i>	Ca_Desig_Scaffold02619	19839	(T/G)
35431	CadSNP11026	<i>Desi</i>	Ca_Desig_Scaffold02619	19848	(T/G)
35432	CadSNP11027	<i>Desi</i>	Ca_Desig_Scaffold02620	4024	(T/A)
35433	CadSNP11028	<i>Desi</i>	Ca_Desig_Scaffold02620	7618	(T/C)
35434	CadSNP11029	<i>Desi</i>	Ca_Desig_Scaffold02623	12667	(C/G)
35435	CadSNP11030	<i>Desi</i>	Ca_Desig_Scaffold02625	3288	(G/A)
35436	CadSNP11031	<i>Desi</i>	Ca_Desig_Scaffold02637	30024	(A/C)
35437	CadSNP11032	<i>Desi</i>	Ca_Desig_Scaffold02637	29998	(T/G)
35438	CadSNP11033	<i>Desi</i>	Ca_Desig_Scaffold02637	30009	(C/T)
35439	CadSNP11034	<i>Desi</i>	Ca_Desig_Scaffold02642	7541	(C/T)
35440	CadSNP11035	<i>Desi</i>	Ca_Desig_Scaffold02642	7642	(A/G)
35441	CadSNP11036	<i>Desi</i>	Ca_Desig_Scaffold02642	7676	(T/C)
35442	CadSNP11037	<i>Desi</i>	Ca_Desig_Scaffold02642	7707	(T/G)
35443	CadSNP11038	<i>Desi</i>	Ca_Desig_Scaffold02642	15382	(A/G)
35444	CadSNP11039	<i>Desi</i>	Ca_Desig_Scaffold02642	15333	(A/C)
35445	CadSNP11040	<i>Desi</i>	Ca_Desig_Scaffold02645	111	(G/A)
35446	CadSNP11041	<i>Desi</i>	Ca_Desig_Scaffold02645	89	(C/T)
35447	CadSNP11042	<i>Desi</i>	Ca_Desig_Scaffold02646	26626	(T/G)
35448	CadSNP11043	<i>Desi</i>	Ca_Desig_Scaffold02646	29288	(G/A)
35449	CadSNP11044	<i>Desi</i>	Ca_Desig_Scaffold02648	21680	(T/C)
35450	CadSNP11045	<i>Desi</i>	Ca_Desig_Scaffold02649	29566	(C/G)
35451	CadSNP11046	<i>Desi</i>	Ca_Desig_Scaffold02651	7334	(A/C)
35452	CadSNP11047	<i>Desi</i>	Ca_Desig_Scaffold02651	7335	(G/T)
35453	CadSNP11048	<i>Desi</i>	Ca_Desig_Scaffold02651	38796	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35454	CadSNP11049	<i>Desi</i>	Ca_Desig_Scaffold02651	39907	(G/A)
35455	CadSNP11050	<i>Desi</i>	Ca_Desig_Scaffold02651	40092	(A/G)
35456	CadSNP11051	<i>Desi</i>	Ca_Desig_Scaffold02667	17367	(A/G)
35457	CadSNP11052	<i>Desi</i>	Ca_Desig_Scaffold02667	17368	(G/A)
35458	CadSNP11053	<i>Desi</i>	Ca_Desig_Scaffold02667	17389	(T/C)
35459	CadSNP11054	<i>Desi</i>	Ca_Desig_Scaffold02667	17390	(G/T)
35460	CadSNP11055	<i>Desi</i>	Ca_Desig_Scaffold02667	17408	(A/C)
35461	CadSNP11056	<i>Desi</i>	Ca_Desig_Scaffold02667	17428	(A/T)
35462	CadSNP11057	<i>Desi</i>	Ca_Desig_Scaffold02667	17545	(C/G)
35463	CadSNP11058	<i>Desi</i>	Ca_Desig_Scaffold02667	17538	(A/T)
35464	CadSNP11059	<i>Desi</i>	Ca_Desig_Scaffold02667	17532	(A/G)
35465	CadSNP11060	<i>Desi</i>	Ca_Desig_Scaffold02667	17525	(A/C)
35466	CadSNP11061	<i>Desi</i>	Ca_Desig_Scaffold02667	17522	(A/C)
35467	CadSNP11062	<i>Desi</i>	Ca_Desig_Scaffold02667	17521	(C/A)
35468	CadSNP11063	<i>Desi</i>	Ca_Desig_Scaffold02667	17512	(G/A)
35469	CadSNP11064	<i>Desi</i>	Ca_Desig_Scaffold02667	17510	(T/G)
35470	CadSNP11065	<i>Desi</i>	Ca_Desig_Scaffold02667	17504	(T/A)
35471	CadSNP11066	<i>Desi</i>	Ca_Desig_Scaffold02669	16936	(T/G)
35472	CadSNP11067	<i>Desi</i>	Ca_Desig_Scaffold02669	16983	(G/T)
35473	CadSNP11068	<i>Desi</i>	Ca_Desig_Scaffold02673	2102	(C/T)
35474	CadSNP11069	<i>Desi</i>	Ca_Desig_Scaffold02675	31733	(A/G)
35475	CadSNP11070	<i>Desi</i>	Ca_Desig_Scaffold02682	28621	(C/A)
35476	CadSNP11071	<i>Desi</i>	Ca_Desig_Scaffold02683	3411	(G/C)
35477	CadSNP11072	<i>Desi</i>	Ca_Desig_Scaffold02683	3407	(A/C)
35478	CadSNP11073	<i>Desi</i>	Ca_Desig_Scaffold02683	3390	(A/G)
35479	CadSNP11074	<i>Desi</i>	Ca_Desig_Scaffold02693	12901	(A/G)
35480	CadSNP11075	<i>Desi</i>	Ca_Desig_Scaffold02694	33	(T/G)
35481	CadSNP11076	<i>Desi</i>	Ca_Desig_Scaffold02694	55	(T/C)
35482	CadSNP11077	<i>Desi</i>	Ca_Desig_Scaffold02694	94	(G/T)
35483	CadSNP11078	<i>Desi</i>	Ca_Desig_Scaffold02695	16297	(G/A)
35484	CadSNP11079	<i>Desi</i>	Ca_Desig_Scaffold02696	35997	(T/C)
35485	CadSNP11080	<i>Desi</i>	Ca_Desig_Scaffold02696	36063	(T/C)
35486	CadSNP11081	<i>Desi</i>	Ca_Desig_Scaffold02701	6635	(C/G)
35487	CadSNP11082	<i>Desi</i>	Ca_Desig_Scaffold02701	6642	(A/G)
35488	CadSNP11083	<i>Desi</i>	Ca_Desig_Scaffold02701	34185	(C/T)
35489	CadSNP11084	<i>Desi</i>	Ca_Desig_Scaffold02701	34167	(G/A)
35490	CadSNP11085	<i>Desi</i>	Ca_Desig_Scaffold02701	34135	(T/C)
35491	CadSNP11086	<i>Desi</i>	Ca_Desig_Scaffold02701	34134	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35492	CadSNP11087	<i>Desi</i>	Ca_Desig_Scaffold02701	34120	(A/T)
35493	CadSNP11088	<i>Desi</i>	Ca_Desig_Scaffold02701	34115	(C/T)
35494	CadSNP11089	<i>Desi</i>	Ca_Desig_Scaffold02701	34107	(A/T)
35495	CadSNP11090	<i>Desi</i>	Ca_Desig_Scaffold02709	38143	(T/G)
35496	CadSNP11091	<i>Desi</i>	Ca_Desig_Scaffold02709	38247	(T/C)
35497	CadSNP11092	<i>Desi</i>	Ca_Desig_Scaffold02713	15304	(C/T)
35498	CadSNP11093	<i>Desi</i>	Ca_Desig_Scaffold02713	17296	(T/C)
35499	CadSNP11094	<i>Desi</i>	Ca_Desig_Scaffold02714	15738	(C/A)
35500	CadSNP11095	<i>Desi</i>	Ca_Desig_Scaffold02714	17127	(C/T)
35501	CadSNP11096	<i>Desi</i>	Ca_Desig_Scaffold02717	7708	(G/A)
35502	CadSNP11097	<i>Desi</i>	Ca_Desig_Scaffold02717	10898	(A/T)
35503	CadSNP11098	<i>Desi</i>	Ca_Desig_Scaffold02717	10930	(A/C)
35504	CadSNP11099	<i>Desi</i>	Ca_Desig_Scaffold02717	13009	(T/C)
35505	CadSNP11100	<i>Desi</i>	Ca_Desig_Scaffold02717	18248	(A/G)
35506	CadSNP11101	<i>Desi</i>	Ca_Desig_Scaffold02717	18323	(G/C)
35507	CadSNP11102	<i>Desi</i>	Ca_Desig_Scaffold02717	18324	(C/T)
35508	CadSNP11103	<i>Desi</i>	Ca_Desig_Scaffold02717	20194	(A/T)
35509	CadSNP11104	<i>Desi</i>	Ca_Desig_Scaffold02717	20193	(A/T)
35510	CadSNP11105	<i>Desi</i>	Ca_Desig_Scaffold02717	20173	(T/C)
35511	CadSNP11106	<i>Desi</i>	Ca_Desig_Scaffold02717	28619	(C/T)
35512	CadSNP11107	<i>Desi</i>	Ca_Desig_Scaffold02717	28747	(G/A)
35513	CadSNP11108	<i>Desi</i>	Ca_Desig_Scaffold02724	35052	(T/C)
35514	CadSNP11109	<i>Desi</i>	Ca_Desig_Scaffold02724	35067	(T/G)
35515	CadSNP11110	<i>Desi</i>	Ca_Desig_Scaffold02724	35092	(A/C)
35516	CadSNP11111	<i>Desi</i>	Ca_Desig_Scaffold02724	35815	(T/G)
35517	CadSNP11112	<i>Desi</i>	Ca_Desig_Scaffold02724	35827	(C/G)
35518	CadSNP11113	<i>Desi</i>	Ca_Desig_Scaffold02724	35836	(C/G)
35519	CadSNP11114	<i>Desi</i>	Ca_Desig_Scaffold02732	31787	(A/C)
35520	CadSNP11115	<i>Desi</i>	Ca_Desig_Scaffold02737	15356	(T/A)
35521	CadSNP11116	<i>Desi</i>	Ca_Desig_Scaffold02737	15366	(G/A)
35522	CadSNP11117	<i>Desi</i>	Ca_Desig_Scaffold02737	35931	(G/A)
35523	CadSNP11118	<i>Desi</i>	Ca_Desig_Scaffold02737	35962	(A/C)
35524	CadSNP11119	<i>Desi</i>	Ca_Desig_Scaffold02748	405	(C/T)
35525	CadSNP11120	<i>Desi</i>	Ca_Desig_Scaffold02748	18443	(C/A)
35526	CadSNP11121	<i>Desi</i>	Ca_Desig_Scaffold02748	18484	(C/A)
35527	CadSNP11122	<i>Desi</i>	Ca_Desig_Scaffold02748	37444	(T/C)
35528	CadSNP11123	<i>Desi</i>	Ca_Desig_Scaffold02748	37396	(C/G)
35529	CadSNP11124	<i>Desi</i>	Ca_Desig_Scaffold02749	30710	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35530	CadSNP11125	<i>Desi</i>	Ca_Desig_Scaffold02749	30937	(G/A)
35531	CadSNP11126	<i>Desi</i>	Ca_Desig_Scaffold02749	34080	(C/T)
35532	CadSNP11127	<i>Desi</i>	Ca_Desig_Scaffold02749	34073	(T/C)
35533	CadSNP11128	<i>Desi</i>	Ca_Desig_Scaffold02753	67575	(C/T)
35534	CadSNP11129	<i>Desi</i>	Ca_Desig_Scaffold02754	32682	(T/G)
35535	CadSNP11130	<i>Desi</i>	Ca_Desig_Scaffold02759	10674	(T/C)
35536	CadSNP11131	<i>Desi</i>	Ca_Desig_Scaffold02761	38110	(T/A)
35537	CadSNP11132	<i>Desi</i>	Ca_Desig_Scaffold02763	24493	(A/G)
35538	CadSNP11133	<i>Desi</i>	Ca_Desig_Scaffold02763	24519	(A/T)
35539	CadSNP11134	<i>Desi</i>	Ca_Desig_Scaffold02763	24521	(C/A)
35540	CadSNP11135	<i>Desi</i>	Ca_Desig_Scaffold02763	24522	(A/T)
35541	CadSNP11136	<i>Desi</i>	Ca_Desig_Scaffold02776	17103	(G/T)
35542	CadSNP11137	<i>Desi</i>	Ca_Desig_Scaffold02776	17065	(T/C)
35543	CadSNP11138	<i>Desi</i>	Ca_Desig_Scaffold02776	17063	(A/G)
35544	CadSNP11139	<i>Desi</i>	Ca_Desig_Scaffold02777	32996	(C/T)
35545	CadSNP11140	<i>Desi</i>	Ca_Desig_Scaffold02788	154033	(G/T)
35546	CadSNP11141	<i>Desi</i>	Ca_Desig_Scaffold02797	8313	(A/T)
35547	CadSNP11142	<i>Desi</i>	Ca_Desig_Scaffold02797	8314	(T/A)
35548	CadSNP11143	<i>Desi</i>	Ca_Desig_Scaffold02797	8319	(G/A)
35549	CadSNP11144	<i>Desi</i>	Ca_Desig_Scaffold02797	8328	(T/C)
35550	CadSNP11145	<i>Desi</i>	Ca_Desig_Scaffold02797	8333	(C/T)
35551	CadSNP11146	<i>Desi</i>	Ca_Desig_Scaffold02797	32796	(G/A)
35552	CadSNP11147	<i>Desi</i>	Ca_Desig_Scaffold02801	33840	(T/C)
35553	CadSNP11148	<i>Desi</i>	Ca_Desig_Scaffold02802	19776	(A/G)
35554	CadSNP11149	<i>Desi</i>	Ca_Desig_Scaffold02821	37872	(G/A)
35555	CadSNP11150	<i>Desi</i>	Ca_Desig_Scaffold02835	42869	(G/T)
35556	CadSNP11151	<i>Desi</i>	Ca_Desig_Scaffold02835	43171	(C/T)
35557	CadSNP11152	<i>Desi</i>	Ca_Desig_Scaffold02835	43238	(C/A)
35558	CadSNP11153	<i>Desi</i>	Ca_Desig_Scaffold02835	129036	(G/T)
35559	CadSNP11154	<i>Desi</i>	Ca_Desig_Scaffold02835	131194	(G/A)
35560	CadSNP11155	<i>Desi</i>	Ca_Desig_Scaffold02835	134712	(A/T)
35561	CadSNP11156	<i>Desi</i>	Ca_Desig_Scaffold02835	134727	(G/T)
35562	CadSNP11157	<i>Desi</i>	Ca_Desig_Scaffold02835	207456	(T/A)
35563	CadSNP11158	<i>Desi</i>	Ca_Desig_Scaffold02835	207451	(T/A)
35564	CadSNP11159	<i>Desi</i>	Ca_Desig_Scaffold02835	207447	(G/A)
35565	CadSNP11160	<i>Desi</i>	Ca_Desig_Scaffold02840	34443	(A/C)
35566	CadSNP11161	<i>Desi</i>	Ca_Desig_Scaffold02840	34404	(C/A)
35567	CadSNP11162	<i>Desi</i>	Ca_Desig_Scaffold02840	37152	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35568	CadSNP11163	<i>Desi</i>	Ca_Desig_Scaffold02840	37161	(A/C)
35569	CadSNP11164	<i>Desi</i>	Ca_Desig_Scaffold02840	37217	(A/T)
35570	CadSNP11165	<i>Desi</i>	Ca_Desig_Scaffold02845	21044	(G/T)
35571	CadSNP11166	<i>Desi</i>	Ca_Desig_Scaffold02848	36780	(A/G)
35572	CadSNP11167	<i>Desi</i>	Ca_Desig_Scaffold02848	36798	(C/T)
35573	CadSNP11168	<i>Desi</i>	Ca_Desig_Scaffold02848	36803	(G/A)
35574	CadSNP11169	<i>Desi</i>	Ca_Desig_Scaffold02848	36825	(T/G)
35575	CadSNP11170	<i>Desi</i>	Ca_Desig_Scaffold02850	5372	(C/T)
35576	CadSNP11171	<i>Desi</i>	Ca_Desig_Scaffold02850	5878	(G/A)
35577	CadSNP11172	<i>Desi</i>	Ca_Desig_Scaffold02850	6595	(C/T)
35578	CadSNP11173	<i>Desi</i>	Ca_Desig_Scaffold02850	6581	(C/A)
35579	CadSNP11174	<i>Desi</i>	Ca_Desig_Scaffold02867	3473	(A/G)
35580	CadSNP11175	<i>Desi</i>	Ca_Desig_Scaffold02872	23239	(C/T)
35581	CadSNP11176	<i>Desi</i>	Ca_Desig_Scaffold02872	23254	(G/T)
35582	CadSNP11177	<i>Desi</i>	Ca_Desig_Scaffold02872	24271	(C/T)
35583	CadSNP11178	<i>Desi</i>	Ca_Desig_Scaffold02872	24325	(G/A)
35584	CadSNP11179	<i>Desi</i>	Ca_Desig_Scaffold02872	24613	(G/A)
35585	CadSNP11180	<i>Desi</i>	Ca_Desig_Scaffold02887	11876	(A/G)
35586	CadSNP11181	<i>Desi</i>	Ca_Desig_Scaffold02891	13596	(G/T)
35587	CadSNP11182	<i>Desi</i>	Ca_Desig_Scaffold02898	15410	(A/G)
35588	CadSNP11183	<i>Desi</i>	Ca_Desig_Scaffold02908	24165	(T/C)
35589	CadSNP11184	<i>Desi</i>	Ca_Desig_Scaffold02912	12249	(T/A)
35590	CadSNP11185	<i>Desi</i>	Ca_Desig_Scaffold02918	4566	(A/G)
35591	CadSNP11186	<i>Desi</i>	Ca_Desig_Scaffold02918	10517	(G/C)
35592	CadSNP11187	<i>Desi</i>	Ca_Desig_Scaffold02920	26818	(A/G)
35593	CadSNP11188	<i>Desi</i>	Ca_Desig_Scaffold02926	18653	(A/G)
35594	CadSNP11189	<i>Desi</i>	Ca_Desig_Scaffold02928	4648	(A/G)
35595	CadSNP11190	<i>Desi</i>	Ca_Desig_Scaffold02928	4787	(C/T)
35596	CadSNP11191	<i>Desi</i>	Ca_Desig_Scaffold02931	3424	(T/C)
35597	CadSNP11192	<i>Desi</i>	Ca_Desig_Scaffold02932	2080	(A/G)
35598	CadSNP11193	<i>Desi</i>	Ca_Desig_Scaffold02932	4600	(A/C)
35599	CadSNP11194	<i>Desi</i>	Ca_Desig_Scaffold02945	1864	(G/T)
35600	CadSNP11195	<i>Desi</i>	Ca_Desig_Scaffold02945	1881	(C/T)
35601	CadSNP11196	<i>Desi</i>	Ca_Desig_Scaffold02945	23838	(C/T)
35602	CadSNP11197	<i>Desi</i>	Ca_Desig_Scaffold02949	4016	(T/G)
35603	CadSNP11198	<i>Desi</i>	Ca_Desig_Scaffold02949	4494	(G/T)
35604	CadSNP11199	<i>Desi</i>	Ca_Desig_Scaffold02949	6575	(T/C)
35605	CadSNP11200	<i>Desi</i>	Ca_Desig_Scaffold02949	6573	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35606	CadSNP11201	<i>Desi</i>	Ca_Desig_Scaffold02949	6565	(G/A)
35607	CadSNP11202	<i>Desi</i>	Ca_Desig_Scaffold02949	6560	(G/A)
35608	CadSNP11203	<i>Desi</i>	Ca_Desig_Scaffold02949	6553	(A/T)
35609	CadSNP11204	<i>Desi</i>	Ca_Desig_Scaffold02949	6542	(A/G)
35610	CadSNP11205	<i>Desi</i>	Ca_Desig_Scaffold02949	6537	(T/G)
35611	CadSNP11206	<i>Desi</i>	Ca_Desig_Scaffold02949	6530	(T/G)
35612	CadSNP11207	<i>Desi</i>	Ca_Desig_Scaffold02949	6502	(A/T)
35613	CadSNP11208	<i>Desi</i>	Ca_Desig_Scaffold02949	6497	(A/G)
35614	CadSNP11209	<i>Desi</i>	Ca_Desig_Scaffold02952	32332	(G/A)
35615	CadSNP11210	<i>Desi</i>	Ca_Desig_Scaffold02952	32406	(C/A)
35616	CadSNP11211	<i>Desi</i>	Ca_Desig_Scaffold02955	19673	(G/A)
35617	CadSNP11212	<i>Desi</i>	Ca_Desig_Scaffold02955	19687	(C/T)
35618	CadSNP11213	<i>Desi</i>	Ca_Desig_Scaffold02955	19700	(A/G)
35619	CadSNP11214	<i>Desi</i>	Ca_Desig_Scaffold02955	19714	(G/A)
35620	CadSNP11215	<i>Desi</i>	Ca_Desig_Scaffold02955	19716	(A/G)
35621	CadSNP11216	<i>Desi</i>	Ca_Desig_Scaffold02955	19720	(C/T)
35622	CadSNP11217	<i>Desi</i>	Ca_Desig_Scaffold02955	19730	(T/C)
35623	CadSNP11218	<i>Desi</i>	Ca_Desig_Scaffold02958	17083	(G/C)
35624	CadSNP11219	<i>Desi</i>	Ca_Desig_Scaffold02958	17070	(G/A)
35625	CadSNP11220	<i>Desi</i>	Ca_Desig_Scaffold02958	17014	(G/T)
35626	CadSNP11221	<i>Desi</i>	Ca_Desig_Scaffold02958	17110	(C/A)
35627	CadSNP11222	<i>Desi</i>	Ca_Desig_Scaffold02958	17104	(G/A)
35628	CadSNP11223	<i>Desi</i>	Ca_Desig_Scaffold02958	17615	(G/A)
35629	CadSNP11224	<i>Desi</i>	Ca_Desig_Scaffold02958	17719	(T/C)
35630	CadSNP11225	<i>Desi</i>	Ca_Desig_Scaffold02958	39356	(A/G)
35631	CadSNP11226	<i>Desi</i>	Ca_Desig_Scaffold02958	135181	(C/T)
35632	CadSNP11227	<i>Desi</i>	Ca_Desig_Scaffold02972	22809	(C/T)
35633	CadSNP11228	<i>Desi</i>	Ca_Desig_Scaffold02972	22812	(T/G)
35634	CadSNP11229	<i>Desi</i>	Ca_Desig_Scaffold02972	22777	(T/A)
35635	CadSNP11230	<i>Desi</i>	Ca_Desig_Scaffold02972	22753	(A/G)
35636	CadSNP11231	<i>Desi</i>	Ca_Desig_Scaffold02972	23940	(T/C)
35637	CadSNP11232	<i>Desi</i>	Ca_Desig_Scaffold02972	23943	(G/A)
35638	CadSNP11233	<i>Desi</i>	Ca_Desig_Scaffold02972	23950	(C/A)
35639	CadSNP11234	<i>Desi</i>	Ca_Desig_Scaffold02972	23951	(G/A)
35640	CadSNP11235	<i>Desi</i>	Ca_Desig_Scaffold02972	23952	(G/T)
35641	CadSNP11236	<i>Desi</i>	Ca_Desig_Scaffold02972	23956	(C/T)
35642	CadSNP11237	<i>Desi</i>	Ca_Desig_Scaffold02972	23958	(T/C)
35643	CadSNP11238	<i>Desi</i>	Ca_Desig_Scaffold02972	23961	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35644	CadSNP11239	<i>Desi</i>	Ca_Desig_Scaffold02972	24056	(A/G)
35645	CadSNP11240	<i>Desi</i>	Ca_Desig_Scaffold02972	24031	(C/T)
35646	CadSNP11241	<i>Desi</i>	Ca_Desig_Scaffold02972	26328	(C/G)
35647	CadSNP11242	<i>Desi</i>	Ca_Desig_Scaffold02972	26342	(T/C)
35648	CadSNP11243	<i>Desi</i>	Ca_Desig_Scaffold02972	26380	(T/C)
35649	CadSNP11244	<i>Desi</i>	Ca_Desig_Scaffold02972	26437	(C/G)
35650	CadSNP11245	<i>Desi</i>	Ca_Desig_Scaffold02972	26434	(G/T)
35651	CadSNP11246	<i>Desi</i>	Ca_Desig_Scaffold02972	26421	(T/A)
35652	CadSNP11247	<i>Desi</i>	Ca_Desig_Scaffold02972	26419	(C/A)
35653	CadSNP11248	<i>Desi</i>	Ca_Desig_Scaffold02972	26418	(A/C)
35654	CadSNP11249	<i>Desi</i>	Ca_Desig_Scaffold02972	26411	(T/G)
35655	CadSNP11250	<i>Desi</i>	Ca_Desig_Scaffold02972	26408	(G/A)
35656	CadSNP11251	<i>Desi</i>	Ca_Desig_Scaffold02972	26397	(A/C)
35657	CadSNP11252	<i>Desi</i>	Ca_Desig_Scaffold02972	26368	(A/G)
35658	CadSNP11253	<i>Desi</i>	Ca_Desig_Scaffold02972	29956	(C/T)
35659	CadSNP11254	<i>Desi</i>	Ca_Desig_Scaffold02972	30049	(T/C)
35660	CadSNP11255	<i>Desi</i>	Ca_Desig_Scaffold02972	30010	(A/T)
35661	CadSNP11256	<i>Desi</i>	Ca_Desig_Scaffold02972	29992	(T/C)
35662	CadSNP11257	<i>Desi</i>	Ca_Desig_Scaffold02974	36043	(A/T)
35663	CadSNP11258	<i>Desi</i>	Ca_Desig_Scaffold02974	36114	(A/C)
35664	CadSNP11259	<i>Desi</i>	Ca_Desig_Scaffold02983	12630	(T/A)
35665	CadSNP11260	<i>Desi</i>	Ca_Desig_Scaffold02983	12629	(C/G)
35666	CadSNP11261	<i>Desi</i>	Ca_Desig_Scaffold02983	12599	(A/G)
35667	CadSNP11262	<i>Desi</i>	Ca_Desig_Scaffold02984	8457	(T/G)
35668	CadSNP11263	<i>Desi</i>	Ca_Desig_Scaffold02984	8443	(A/T)
35669	CadSNP11264	<i>Desi</i>	Ca_Desig_Scaffold02984	31869	(G/A)
35670	CadSNP11265	<i>Desi</i>	Ca_Desig_Scaffold02999	24593	(G/T)
35671	CadSNP11266	<i>Desi</i>	Ca_Desig_Scaffold02999	24646	(A/G)
35672	CadSNP11267	<i>Desi</i>	Ca_Desig_Scaffold03000	2646	(G/T)
35673	CadSNP11268	<i>Desi</i>	Ca_Desig_Scaffold03002	34075	(T/C)
35674	CadSNP11269	<i>Desi</i>	Ca_Desig_Scaffold03002	34058	(T/G)
35675	CadSNP11270	<i>Desi</i>	Ca_Desig_Scaffold03004	18460	(G/A)
35676	CadSNP11271	<i>Desi</i>	Ca_Desig_Scaffold03004	18478	(C/T)
35677	CadSNP11272	<i>Desi</i>	Ca_Desig_Scaffold03004	24670	(A/C)
35678	CadSNP11273	<i>Desi</i>	Ca_Desig_Scaffold03004	24760	(T/C)
35679	CadSNP11274	<i>Desi</i>	Ca_Desig_Scaffold03006	28525	(C/A)
35680	CadSNP11275	<i>Desi</i>	Ca_Desig_Scaffold03006	28571	(T/A)
35681	CadSNP11276	<i>Desi</i>	Ca_Desig_Scaffold03006	28568	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35682	CadSNP11277	<i>Desi</i>	Ca_Desig_Scaffold03006	28556	(T/G)
35683	CadSNP11278	<i>Desi</i>	Ca_Desig_Scaffold03006	29613	(C/T)
35684	CadSNP11279	<i>Desi</i>	Ca_Desig_Scaffold03006	29597	(A/C)
35685	CadSNP11280	<i>Desi</i>	Ca_Desig_Scaffold03006	29845	(T/C)
35686	CadSNP11281	<i>Desi</i>	Ca_Desig_Scaffold03006	29840	(A/C)
35687	CadSNP11282	<i>Desi</i>	Ca_Desig_Scaffold03010	30550	(C/A)
35688	CadSNP11283	<i>Desi</i>	Ca_Desig_Scaffold03010	30638	(G/A)
35689	CadSNP11284	<i>Desi</i>	Ca_Desig_Scaffold03010	34034	(T/C)
35690	CadSNP11285	<i>Desi</i>	Ca_Desig_Scaffold03010	34274	(C/T)
35691	CadSNP11286	<i>Desi</i>	Ca_Desig_Scaffold03017	7879	(A/G)
35692	CadSNP11287	<i>Desi</i>	Ca_Desig_Scaffold03023	28335	(A/G)
35693	CadSNP11288	<i>Desi</i>	Ca_Desig_Scaffold03023	28356	(G/A)
35694	CadSNP11289	<i>Desi</i>	Ca_Desig_Scaffold03023	28383	(T/C)
35695	CadSNP11290	<i>Desi</i>	Ca_Desig_Scaffold03023	28391	(G/T)
35696	CadSNP11291	<i>Desi</i>	Ca_Desig_Scaffold03030	13255	(C/T)
35697	CadSNP11292	<i>Desi</i>	Ca_Desig_Scaffold03031	27687	(T/A)
35698	CadSNP11293	<i>Desi</i>	Ca_Desig_Scaffold03031	29808	(T/C)
35699	CadSNP11294	<i>Desi</i>	Ca_Desig_Scaffold03035	17713	(G/A)
35700	CadSNP11295	<i>Desi</i>	Ca_Desig_Scaffold03035	17735	(C/T)
35701	CadSNP11296	<i>Desi</i>	Ca_Desig_Scaffold03035	17801	(C/T)
35702	CadSNP11297	<i>Desi</i>	Ca_Desig_Scaffold03035	17843	(C/T)
35703	CadSNP11298	<i>Desi</i>	Ca_Desig_Scaffold03035	17773	(A/G)
35704	CadSNP11299	<i>Desi</i>	Ca_Desig_Scaffold03036	1066	(G/A)
35705	CadSNP11300	<i>Desi</i>	Ca_Desig_Scaffold03036	1095	(T/A)
35706	CadSNP11301	<i>Desi</i>	Ca_Desig_Scaffold03036	5255	(A/T)
35707	CadSNP11302	<i>Desi</i>	Ca_Desig_Scaffold03038	31625	(G/C)
35708	CadSNP11303	<i>Desi</i>	Ca_Desig_Scaffold03038	31628	(G/A)
35709	CadSNP11304	<i>Desi</i>	Ca_Desig_Scaffold03038	31646	(G/A)
35710	CadSNP11305	<i>Desi</i>	Ca_Desig_Scaffold03052	28024	(G/A)
35711	CadSNP11306	<i>Desi</i>	Ca_Desig_Scaffold03053	29468	(G/T)
35712	CadSNP11307	<i>Desi</i>	Ca_Desig_Scaffold03054	10412	(A/G)
35713	CadSNP11308	<i>Desi</i>	Ca_Desig_Scaffold03054	10388	(C/A)
35714	CadSNP11309	<i>Desi</i>	Ca_Desig_Scaffold03057	10255	(A/G)
35715	CadSNP11310	<i>Desi</i>	Ca_Desig_Scaffold03057	10526	(A/G)
35716	CadSNP11311	<i>Desi</i>	Ca_Desig_Scaffold03057	10537	(G/T)
35717	CadSNP11312	<i>Desi</i>	Ca_Desig_Scaffold03057	10582	(T/G)
35718	CadSNP11313	<i>Desi</i>	Ca_Desig_Scaffold03057	10553	(G/A)
35719	CadSNP11314	<i>Desi</i>	Ca_Desig_Scaffold03058	3689	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35720	CadSNP11315	<i>Desi</i>	Ca_Desig_Scaffold03058	3699	(A/G)
35721	CadSNP11316	<i>Desi</i>	Ca_Desig_Scaffold03058	23092	(G/A)
35722	CadSNP11317	<i>Desi</i>	Ca_Desig_Scaffold03058	24169	(A/C)
35723	CadSNP11318	<i>Desi</i>	Ca_Desig_Scaffold03058	24300	(A/C)
35724	CadSNP11319	<i>Desi</i>	Ca_Desig_Scaffold03058	30847	(G/A)
35725	CadSNP11320	<i>Desi</i>	Ca_Desig_Scaffold03061	4948	(T/G)
35726	CadSNP11321	<i>Desi</i>	Ca_Desig_Scaffold03061	4939	(C/G)
35727	CadSNP11322	<i>Desi</i>	Ca_Desig_Scaffold03061	4963	(C/T)
35728	CadSNP11323	<i>Desi</i>	Ca_Desig_Scaffold03073	165026	(G/T)
35729	CadSNP11324	<i>Desi</i>	Ca_Desig_Scaffold03073	165087	(T/C)
35730	CadSNP11325	<i>Desi</i>	Ca_Desig_Scaffold03073	333574	(T/C)
35731	CadSNP11326	<i>Desi</i>	Ca_Desig_Scaffold03077	6110	(G/A)
35732	CadSNP11327	<i>Desi</i>	Ca_Desig_Scaffold03078	24986	(G/T)
35733	CadSNP11328	<i>Desi</i>	Ca_Desig_Scaffold03079	16125	(T/G)
35734	CadSNP11329	<i>Desi</i>	Ca_Desig_Scaffold03081	18600	(G/A)
35735	CadSNP11330	<i>Desi</i>	Ca_Desig_Scaffold03081	21415	(T/A)
35736	CadSNP11331	<i>Desi</i>	Ca_Desig_Scaffold03081	21521	(A/G)
35737	CadSNP11332	<i>Desi</i>	Ca_Desig_Scaffold03081	21701	(T/C)
35738	CadSNP11333	<i>Desi</i>	Ca_Desig_Scaffold03083	13887	(A/C)
35739	CadSNP11334	<i>Desi</i>	Ca_Desig_Scaffold03095	20323	(C/T)
35740	CadSNP11335	<i>Desi</i>	Ca_Desig_Scaffold03095	20338	(C/T)
35741	CadSNP11336	<i>Desi</i>	Ca_Desig_Scaffold03095	20462	(C/T)
35742	CadSNP11337	<i>Desi</i>	Ca_Desig_Scaffold03095	20558	(C/T)
35743	CadSNP11338	<i>Desi</i>	Ca_Desig_Scaffold03095	20603	(T/C)
35744	CadSNP11339	<i>Desi</i>	Ca_Desig_Scaffold03095	23303	(C/T)
35745	CadSNP11340	<i>Desi</i>	Ca_Desig_Scaffold03104	19674	(G/A)
35746	CadSNP11341	<i>Desi</i>	Ca_Desig_Scaffold03104	19748	(C/A)
35747	CadSNP11342	<i>Desi</i>	Ca_Desig_Scaffold03104	19753	(C/T)
35748	CadSNP11343	<i>Desi</i>	Ca_Desig_Scaffold03104	19733	(A/G)
35749	CadSNP11344	<i>Desi</i>	Ca_Desig_Scaffold03104	19732	(T/A)
35750	CadSNP11345	<i>Desi</i>	Ca_Desig_Scaffold03104	19728	(G/A)
35751	CadSNP11346	<i>Desi</i>	Ca_Desig_Scaffold03104	19726	(T/A)
35752	CadSNP11347	<i>Desi</i>	Ca_Desig_Scaffold03104	19723	(T/A)
35753	CadSNP11348	<i>Desi</i>	Ca_Desig_Scaffold03104	19721	(T/A)
35754	CadSNP11349	<i>Desi</i>	Ca_Desig_Scaffold03104	19719	(C/A)
35755	CadSNP11350	<i>Desi</i>	Ca_Desig_Scaffold03104	19709	(G/A)
35756	CadSNP11351	<i>Desi</i>	Ca_Desig_Scaffold03104	19702	(G/A)
35757	CadSNP11352	<i>Desi</i>	Ca_Desig_Scaffold03104	19689	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35758	CadSNP11353	<i>Desi</i>	Ca_Desig_Scaffold03104	19684	(C/A)
35759	CadSNP11354	<i>Desi</i>	Ca_Desig_Scaffold03110	31561	(T/C)
35760	CadSNP11355	<i>Desi</i>	Ca_Desig_Scaffold03111	15058	(T/C)
35761	CadSNP11356	<i>Desi</i>	Ca_Desig_Scaffold03113	819	(T/C)
35762	CadSNP11357	<i>Desi</i>	Ca_Desig_Scaffold03119	2093	(C/T)
35763	CadSNP11358	<i>Desi</i>	Ca_Desig_Scaffold03119	2156	(G/A)
35764	CadSNP11359	<i>Desi</i>	Ca_Desig_Scaffold03132	13340	(C/T)
35765	CadSNP11360	<i>Desi</i>	Ca_Desig_Scaffold03139	31023	(A/G)
35766	CadSNP11361	<i>Desi</i>	Ca_Desig_Scaffold03151	27219	(T/C)
35767	CadSNP11362	<i>Desi</i>	Ca_Desig_Scaffold03162	168443	(G/A)
35768	CadSNP11363	<i>Desi</i>	Ca_Desig_Scaffold03162	229156	(C/T)
35769	CadSNP11364	<i>Desi</i>	Ca_Desig_Scaffold03162	261932	(A/T)
35770	CadSNP11365	<i>Desi</i>	Ca_Desig_Scaffold03166	30593	(T/G)
35771	CadSNP11366	<i>Desi</i>	Ca_Desig_Scaffold03166	30596	(A/G)
35772	CadSNP11367	<i>Desi</i>	Ca_Desig_Scaffold03174	28512	(T/C)
35773	CadSNP11368	<i>Desi</i>	Ca_Desig_Scaffold03181	13410	(C/T)
35774	CadSNP11369	<i>Desi</i>	Ca_Desig_Scaffold03190	14525	(C/T)
35775	CadSNP11370	<i>Desi</i>	Ca_Desig_Scaffold03210	6932	(G/C)
35776	CadSNP11371	<i>Desi</i>	Ca_Desig_Scaffold03210	6943	(T/C)
35777	CadSNP11372	<i>Desi</i>	Ca_Desig_Scaffold03214	22916	(C/T)
35778	CadSNP11373	<i>Desi</i>	Ca_Desig_Scaffold03214	23075	(C/G)
35779	CadSNP11374	<i>Desi</i>	Ca_Desig_Scaffold03215	29017	(C/T)
35780	CadSNP11375	<i>Desi</i>	Ca_Desig_Scaffold03218	14045	(T/A)
35781	CadSNP11376	<i>Desi</i>	Ca_Desig_Scaffold03218	14049	(A/T)
35782	CadSNP11377	<i>Desi</i>	Ca_Desig_Scaffold03218	14062	(T/C)
35783	CadSNP11378	<i>Desi</i>	Ca_Desig_Scaffold03218	14189	(T/A)
35784	CadSNP11379	<i>Desi</i>	Ca_Desig_Scaffold03245	2984	(T/C)
35785	CadSNP11380	<i>Desi</i>	Ca_Desig_Scaffold03251	20474	(A/G)
35786	CadSNP11381	<i>Desi</i>	Ca_Desig_Scaffold03251	20547	(G/T)
35787	CadSNP11382	<i>Desi</i>	Ca_Desig_Scaffold03258	4390	(G/T)
35788	CadSNP11383	<i>Desi</i>	Ca_Desig_Scaffold03258	21328	(G/A)
35789	CadSNP11384	<i>Desi</i>	Ca_Desig_Scaffold03258	25620	(T/A)
35790	CadSNP11385	<i>Desi</i>	Ca_Desig_Scaffold03258	25644	(G/A)
35791	CadSNP11386	<i>Desi</i>	Ca_Desig_Scaffold03258	25682	(C/T)
35792	CadSNP11387	<i>Desi</i>	Ca_Desig_Scaffold03258	25729	(A/G)
35793	CadSNP11388	<i>Desi</i>	Ca_Desig_Scaffold03258	25720	(G/A)
35794	CadSNP11389	<i>Desi</i>	Ca_Desig_Scaffold03259	23145	(T/G)
35795	CadSNP11390	<i>Desi</i>	Ca_Desig_Scaffold03259	23167	(T/C)

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35796	CadSNP11391	<i>Desi</i>	Ca_Desig_Scaffold03259	23210	(C/G)
35797	CadSNP11392	<i>Desi</i>	Ca_Desig_Scaffold03259	23260	(A/G)
35798	CadSNP11393	<i>Desi</i>	Ca_Desig_Scaffold03259	23259	(C/T)
35799	CadSNP11394	<i>Desi</i>	Ca_Desig_Scaffold03259	23251	(A/C)
35800	CadSNP11395	<i>Desi</i>	Ca_Desig_Scaffold03259	23206	(G/A)
35801	CadSNP11396	<i>Desi</i>	Ca_Desig_Scaffold03260	14198	(C/T)
35802	CadSNP11397	<i>Desi</i>	Ca_Desig_Scaffold03261	6796	(C/T)
35803	CadSNP11398	<i>Desi</i>	Ca_Desig_Scaffold03261	16396	(C/T)
35804	CadSNP11399	<i>Desi</i>	Ca_Desig_Scaffold03271	11328	(G/A)
35805	CadSNP11400	<i>Desi</i>	Ca_Desig_Scaffold03271	11327	(C/T)
35806	CadSNP11401	<i>Desi</i>	Ca_Desig_Scaffold03271	11281	(T/A)
35807	CadSNP11402	<i>Desi</i>	Ca_Desig_Scaffold03271	16437	(T/G)
35808	CadSNP11403	<i>Desi</i>	Ca_Desig_Scaffold03271	26593	(G/C)
35809	CadSNP11404	<i>Desi</i>	Ca_Desig_Scaffold03284	7702	(T/A)
35810	CadSNP11405	<i>Desi</i>	Ca_Desig_Scaffold03284	9702	(G/A)
35811	CadSNP11406	<i>Desi</i>	Ca_Desig_Scaffold03284	18795	(A/T)
35812	CadSNP11407	<i>Desi</i>	Ca_Desig_Scaffold03284	18846	(A/T)
35813	CadSNP11408	<i>Desi</i>	Ca_Desig_Scaffold03286	19134	(A/C)
35814	CadSNP11409	<i>Desi</i>	Ca_Desig_Scaffold03297	19947	(C/T)
35815	CadSNP11410	<i>Desi</i>	Ca_Desig_Scaffold03310	67531	(A/G)
35816	CadSNP11411	<i>Desi</i>	Ca_Desig_Scaffold03310	67541	(C/G)
35817	CadSNP11412	<i>Desi</i>	Ca_Desig_Scaffold03319	21985	(G/T)
35818	CadSNP11413	<i>Desi</i>	Ca_Desig_Scaffold03328	18570	(A/C)
35819	CadSNP11414	<i>Desi</i>	Ca_Desig_Scaffold03330	14720	(C/T)
35820	CadSNP11415	<i>Desi</i>	Ca_Desig_Scaffold03333	16190	(A/T)
35821	CadSNP11416	<i>Desi</i>	Ca_Desig_Scaffold03344	4909	(T/A)
35822	CadSNP11417	<i>Desi</i>	Ca_Desig_Scaffold03357	22184	(G/A)
35823	CadSNP11418	<i>Desi</i>	Ca_Desig_Scaffold03357	25734	(C/T)
35824	CadSNP11419	<i>Desi</i>	Ca_Desig_Scaffold03370	535	(C/T)
35825	CadSNP11420	<i>Desi</i>	Ca_Desig_Scaffold03370	565	(A/T)
35826	CadSNP11421	<i>Desi</i>	Ca_Desig_Scaffold03373	19953	(G/C)
35827	CadSNP11422	<i>Desi</i>	Ca_Desig_Scaffold03373	19987	(A/G)
35828	CadSNP11423	<i>Desi</i>	Ca_Desig_Scaffold03373	19991	(C/T)
35829	CadSNP11424	<i>Desi</i>	Ca_Desig_Scaffold03373	20077	(A/G)
35830	CadSNP11425	<i>Desi</i>	Ca_Desig_Scaffold03373	20076	(T/C)
35831	CadSNP11426	<i>Desi</i>	Ca_Desig_Scaffold03373	20075	(A/G)
35832	CadSNP11427	<i>Desi</i>	Ca_Desig_Scaffold03373	20043	(T/A)
35833	CadSNP11428	<i>Desi</i>	Ca_Desig_Scaffold03390	7000	(A/C)

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35834	CadSNP11429	<i>Desi</i>	Ca_Desig_Scaffold03390	7005	(A/T)
35835	CadSNP11430	<i>Desi</i>	Ca_Desig_Scaffold03390	7006	(A/C)
35836	CadSNP11431	<i>Desi</i>	Ca_Desig_Scaffold03390	7010	(A/T)
35837	CadSNP11432	<i>Desi</i>	Ca_Desig_Scaffold03390	7011	(A/T)
35838	CadSNP11433	<i>Desi</i>	Ca_Desig_Scaffold03390	7016	(T/A)
35839	CadSNP11434	<i>Desi</i>	Ca_Desig_Scaffold03411	831	(T/C)
35840	CadSNP11435	<i>Desi</i>	Ca_Desig_Scaffold03415	27496	(A/G)
35841	CadSNP11436	<i>Desi</i>	Ca_Desig_Scaffold03417	15687	(T/C)
35842	CadSNP11437	<i>Desi</i>	Ca_Desig_Scaffold03417	33534	(G/A)
35843	CadSNP11438	<i>Desi</i>	Ca_Desig_Scaffold03418	14337	(T/G)
35844	CadSNP11439	<i>Desi</i>	Ca_Desig_Scaffold03418	14370	(A/G)
35845	CadSNP11440	<i>Desi</i>	Ca_Desig_Scaffold03421	8791	(T/A)
35846	CadSNP11441	<i>Desi</i>	Ca_Desig_Scaffold03429	8268	(A/T)
35847	CadSNP11442	<i>Desi</i>	Ca_Desig_Scaffold03429	8385	(C/T)
35848	CadSNP11443	<i>Desi</i>	Ca_Desig_Scaffold03429	8322	(C/T)
35849	CadSNP11444	<i>Desi</i>	Ca_Desig_Scaffold03429	23018	(A/G)
35850	CadSNP11445	<i>Desi</i>	Ca_Desig_Scaffold03429	23349	(A/G)
35851	CadSNP11446	<i>Desi</i>	Ca_Desig_Scaffold03429	23628	(G/A)
35852	CadSNP11447	<i>Desi</i>	Ca_Desig_Scaffold03429	23820	(G/A)
35853	CadSNP11448	<i>Desi</i>	Ca_Desig_Scaffold03429	26838	(T/A)
35854	CadSNP11449	<i>Desi</i>	Ca_Desig_Scaffold03429	26845	(T/A)
35855	CadSNP11450	<i>Desi</i>	Ca_Desig_Scaffold03429	29075	(C/T)
35856	CadSNP11451	<i>Desi</i>	Ca_Desig_Scaffold03434	22578	(G/T)
35857	CadSNP11452	<i>Desi</i>	Ca_Desig_Scaffold03434	22581	(A/T)
35858	CadSNP11453	<i>Desi</i>	Ca_Desig_Scaffold03434	22589	(C/T)
35859	CadSNP11454	<i>Desi</i>	Ca_Desig_Scaffold03434	22591	(G/T)
35860	CadSNP11455	<i>Desi</i>	Ca_Desig_Scaffold03434	22596	(G/A)
35861	CadSNP11456	<i>Desi</i>	Ca_Desig_Scaffold03434	22602	(G/C)
35862	CadSNP11457	<i>Desi</i>	Ca_Desig_Scaffold03434	22608	(A/T)
35863	CadSNP11458	<i>Desi</i>	Ca_Desig_Scaffold03434	22614	(T/A)
35864	CadSNP11459	<i>Desi</i>	Ca_Desig_Scaffold03434	22626	(A/T)
35865	CadSNP11460	<i>Desi</i>	Ca_Desig_Scaffold03434	22644	(T/C)
35866	CadSNP11461	<i>Desi</i>	Ca_Desig_Scaffold03434	24876	(A/G)
35867	CadSNP11462	<i>Desi</i>	Ca_Desig_Scaffold03434	24878	(G/T)
35868	CadSNP11463	<i>Desi</i>	Ca_Desig_Scaffold03434	24893	(T/A)
35869	CadSNP11464	<i>Desi</i>	Ca_Desig_Scaffold03434	24899	(C/A)
35870	CadSNP11465	<i>Desi</i>	Ca_Desig_Scaffold03434	24901	(C/T)
35871	CadSNP11466	<i>Desi</i>	Ca_Desig_Scaffold03434	24902	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35872	CadSNP11467	<i>Desi</i>	Ca_Desig_Scaffold03434	24911	(A/C)
35873	CadSNP11468	<i>Desi</i>	Ca_Desig_Scaffold03434	24917	(T/C)
35874	CadSNP11469	<i>Desi</i>	Ca_Desig_Scaffold03434	24920	(T/C)
35875	CadSNP11470	<i>Desi</i>	Ca_Desig_Scaffold03439	12583	(C/A)
35876	CadSNP11471	<i>Desi</i>	Ca_Desig_Scaffold03463	9139	(T/C)
35877	CadSNP11472	<i>Desi</i>	Ca_Desig_Scaffold03463	10279	(G/C)
35878	CadSNP11473	<i>Desi</i>	Ca_Desig_Scaffold03463	10368	(G/A)
35879	CadSNP11474	<i>Desi</i>	Ca_Desig_Scaffold03463	10734	(T/C)
35880	CadSNP11475	<i>Desi</i>	Ca_Desig_Scaffold03463	10787	(T/C)
35881	CadSNP11476	<i>Desi</i>	Ca_Desig_Scaffold03463	10861	(G/C)
35882	CadSNP11477	<i>Desi</i>	Ca_Desig_Scaffold03463	10928	(G/A)
35883	CadSNP11478	<i>Desi</i>	Ca_Desig_Scaffold03463	10931	(T/G)
35884	CadSNP11479	<i>Desi</i>	Ca_Desig_Scaffold03463	13555	(T/C)
35885	CadSNP11480	<i>Desi</i>	Ca_Desig_Scaffold03463	13818	(G/A)
35886	CadSNP11481	<i>Desi</i>	Ca_Desig_Scaffold03463	13851	(C/T)
35887	CadSNP11482	<i>Desi</i>	Ca_Desig_Scaffold03463	13866	(G/A)
35888	CadSNP11483	<i>Desi</i>	Ca_Desig_Scaffold03463	13884	(G/A)
35889	CadSNP11484	<i>Desi</i>	Ca_Desig_Scaffold03463	13893	(T/C)
35890	CadSNP11485	<i>Desi</i>	Ca_Desig_Scaffold03463	13915	(T/C)
35891	CadSNP11486	<i>Desi</i>	Ca_Desig_Scaffold03463	14193	(A/G)
35892	CadSNP11487	<i>Desi</i>	Ca_Desig_Scaffold03463	14232	(A/G)
35893	CadSNP11488	<i>Desi</i>	Ca_Desig_Scaffold03487	27846	(C/A)
35894	CadSNP11489	<i>Desi</i>	Ca_Desig_Scaffold03487	27850	(C/G)
35895	CadSNP11490	<i>Desi</i>	Ca_Desig_Scaffold03489	14978	(T/C)
35896	CadSNP11491	<i>Desi</i>	Ca_Desig_Scaffold03500	22980	(T/C)
35897	CadSNP11492	<i>Desi</i>	Ca_Desig_Scaffold03514	26375	(A/T)
35898	CadSNP11493	<i>Desi</i>	Ca_Desig_Scaffold03514	26396	(C/A)
35899	CadSNP11494	<i>Desi</i>	Ca_Desig_Scaffold03514	26412	(T/C)
35900	CadSNP11495	<i>Desi</i>	Ca_Desig_Scaffold03514	26427	(C/T)
35901	CadSNP11496	<i>Desi</i>	Ca_Desig_Scaffold03515	8953	(A/G)
35902	CadSNP11497	<i>Desi</i>	Ca_Desig_Scaffold03515	8960	(T/G)
35903	CadSNP11498	<i>Desi</i>	Ca_Desig_Scaffold03538	14877	(G/A)
35904	CadSNP11499	<i>Desi</i>	Ca_Desig_Scaffold03538	14902	(T/A)
35905	CadSNP11500	<i>Desi</i>	Ca_Desig_Scaffold03538	14939	(A/T)
35906	CadSNP11501	<i>Desi</i>	Ca_Desig_Scaffold03543	20778	(A/G)
35907	CadSNP11502	<i>Desi</i>	Ca_Desig_Scaffold03544	12308	(C/T)
35908	CadSNP11503	<i>Desi</i>	Ca_Desig_Scaffold03544	12310	(T/A)
35909	CadSNP11504	<i>Desi</i>	Ca_Desig_Scaffold03544	12353	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35910	CadSNP11505	<i>Desi</i>	Ca_Desig_Scaffold03544	27863	(A/T)
35911	CadSNP11506	<i>Desi</i>	Ca_Desig_Scaffold03544	27857	(G/A)
35912	CadSNP11507	<i>Desi</i>	Ca_Desig_Scaffold03548	156	(G/A)
35913	CadSNP11508	<i>Desi</i>	Ca_Desig_Scaffold03548	182	(C/T)
35914	CadSNP11509	<i>Desi</i>	Ca_Desig_Scaffold03548	191	(A/G)
35915	CadSNP11510	<i>Desi</i>	Ca_Desig_Scaffold03549	7632	(G/A)
35916	CadSNP11511	<i>Desi</i>	Ca_Desig_Scaffold03562	12541	(G/T)
35917	CadSNP11512	<i>Desi</i>	Ca_Desig_Scaffold03562	12753	(T/G)
35918	CadSNP11513	<i>Desi</i>	Ca_Desig_Scaffold03562	12695	(T/A)
35919	CadSNP11514	<i>Desi</i>	Ca_Desig_Scaffold03562	21501	(C/A)
35920	CadSNP11515	<i>Desi</i>	Ca_Desig_Scaffold03562	21611	(C/T)
35921	CadSNP11516	<i>Desi</i>	Ca_Desig_Scaffold03562	21584	(G/C)
35922	CadSNP11517	<i>Desi</i>	Ca_Desig_Scaffold03562	22842	(G/T)
35923	CadSNP11518	<i>Desi</i>	Ca_Desig_Scaffold03562	22832	(A/T)
35924	CadSNP11519	<i>Desi</i>	Ca_Desig_Scaffold03563	1235	(G/C)
35925	CadSNP11520	<i>Desi</i>	Ca_Desig_Scaffold03563	1622	(T/G)
35926	CadSNP11521	<i>Desi</i>	Ca_Desig_Scaffold03563	1625	(T/G)
35927	CadSNP11522	<i>Desi</i>	Ca_Desig_Scaffold03563	26115	(A/G)
35928	CadSNP11523	<i>Desi</i>	Ca_Desig_Scaffold03576	595	(C/T)
35929	CadSNP11524	<i>Desi</i>	Ca_Desig_Scaffold03608	902	(C/T)
35930	CadSNP11525	<i>Desi</i>	Ca_Desig_Scaffold03608	894	(G/A)
35931	CadSNP11526	<i>Desi</i>	Ca_Desig_Scaffold03608	883	(T/A)
35932	CadSNP11527	<i>Desi</i>	Ca_Desig_Scaffold03608	871	(C/A)
35933	CadSNP11528	<i>Desi</i>	Ca_Desig_Scaffold03608	947	(T/C)
35934	CadSNP11529	<i>Desi</i>	Ca_Desig_Scaffold03622	6797	(T/C)
35935	CadSNP11530	<i>Desi</i>	Ca_Desig_Scaffold03633	7767	(T/C)
35936	CadSNP11531	<i>Desi</i>	Ca_Desig_Scaffold03633	7911	(A/T)
35937	CadSNP11532	<i>Desi</i>	Ca_Desig_Scaffold03633	7904	(G/A)
35938	CadSNP11533	<i>Desi</i>	Ca_Desig_Scaffold03633	22120	(T/C)
35939	CadSNP11534	<i>Desi</i>	Ca_Desig_Scaffold03633	22160	(G/C)
35940	CadSNP11535	<i>Desi</i>	Ca_Desig_Scaffold03633	22176	(G/T)
35941	CadSNP11536	<i>Desi</i>	Ca_Desig_Scaffold03633	22255	(C/T)
35942	CadSNP11537	<i>Desi</i>	Ca_Desig_Scaffold03633	22279	(C/T)
35943	CadSNP11538	<i>Desi</i>	Ca_Desig_Scaffold03636	15741	(T/G)
35944	CadSNP11539	<i>Desi</i>	Ca_Desig_Scaffold03636	15824	(G/T)
35945	CadSNP11540	<i>Desi</i>	Ca_Desig_Scaffold03640	12228	(G/A)
35946	CadSNP11541	<i>Desi</i>	Ca_Desig_Scaffold03640	21482	(C/A)
35947	CadSNP11542	<i>Desi</i>	Ca_Desig_Scaffold03640	21471	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35948	CadSNP11543	<i>Desi</i>	Ca_Desig_Scaffold03640	21449	(T/C)
35949	CadSNP11544	<i>Desi</i>	Ca_Desig_Scaffold03640	21439	(C/T)
35950	CadSNP11545	<i>Desi</i>	Ca_Desig_Scaffold03640	21437	(T/C)
35951	CadSNP11546	<i>Desi</i>	Ca_Desig_Scaffold03640	21436	(T/A)
35952	CadSNP11547	<i>Desi</i>	Ca_Desig_Scaffold03640	21430	(G/T)
35953	CadSNP11548	<i>Desi</i>	Ca_Desig_Scaffold03645	21700	(G/A)
35954	CadSNP11549	<i>Desi</i>	Ca_Desig_Scaffold03645	21721	(A/T)
35955	CadSNP11550	<i>Desi</i>	Ca_Desig_Scaffold03648	13100	(C/A)
35956	CadSNP11551	<i>Desi</i>	Ca_Desig_Scaffold03649	20806	(T/C)
35957	CadSNP11552	<i>Desi</i>	Ca_Desig_Scaffold03653	11156	(G/C)
35958	CadSNP11553	<i>Desi</i>	Ca_Desig_Scaffold03654	4942	(T/C)
35959	CadSNP11554	<i>Desi</i>	Ca_Desig_Scaffold03654	4956	(C/A)
35960	CadSNP11555	<i>Desi</i>	Ca_Desig_Scaffold03654	4965	(G/A)
35961	CadSNP11556	<i>Desi</i>	Ca_Desig_Scaffold03654	4983	(A/G)
35962	CadSNP11557	<i>Desi</i>	Ca_Desig_Scaffold03654	4996	(G/A)
35963	CadSNP11558	<i>Desi</i>	Ca_Desig_Scaffold03654	5077	(T/A)
35964	CadSNP11559	<i>Desi</i>	Ca_Desig_Scaffold03654	5055	(A/G)
35965	CadSNP11560	<i>Desi</i>	Ca_Desig_Scaffold03654	5033	(A/G)
35966	CadSNP11561	<i>Desi</i>	Ca_Desig_Scaffold03661	3853	(G/T)
35967	CadSNP11562	<i>Desi</i>	Ca_Desig_Scaffold03661	3859	(A/G)
35968	CadSNP11563	<i>Desi</i>	Ca_Desig_Scaffold03669	1331	(G/A)
35969	CadSNP11564	<i>Desi</i>	Ca_Desig_Scaffold03669	1330	(A/G)
35970	CadSNP11565	<i>Desi</i>	Ca_Desig_Scaffold03676	4255	(A/G)
35971	CadSNP11566	<i>Desi</i>	Ca_Desig_Scaffold03676	4258	(C/G)
35972	CadSNP11567	<i>Desi</i>	Ca_Desig_Scaffold03676	4264	(A/G)
35973	CadSNP11568	<i>Desi</i>	Ca_Desig_Scaffold03676	17534	(A/T)
35974	CadSNP11569	<i>Desi</i>	Ca_Desig_Scaffold03676	17564	(T/C)
35975	CadSNP11570	<i>Desi</i>	Ca_Desig_Scaffold03676	17589	(A/G)
35976	CadSNP11571	<i>Desi</i>	Ca_Desig_Scaffold03704	10633	(T/G)
35977	CadSNP11572	<i>Desi</i>	Ca_Desig_Scaffold03704	10646	(A/G)
35978	CadSNP11573	<i>Desi</i>	Ca_Desig_Scaffold03704	10648	(T/G)
35979	CadSNP11574	<i>Desi</i>	Ca_Desig_Scaffold03716	3775	(C/T)
35980	CadSNP11575	<i>Desi</i>	Ca_Desig_Scaffold03723	8302	(C/T)
35981	CadSNP11576	<i>Desi</i>	Ca_Desig_Scaffold03723	8431	(T/C)
35982	CadSNP11577	<i>Desi</i>	Ca_Desig_Scaffold03723	8401	(T/G)
35983	CadSNP11578	<i>Desi</i>	Ca_Desig_Scaffold03723	8390	(T/C)
35984	CadSNP11579	<i>Desi</i>	Ca_Desig_Scaffold03724	509	(C/A)
35985	CadSNP11580	<i>Desi</i>	Ca_Desig_Scaffold03724	500	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
35986	CadSNP11581	<i>Desi</i>	Ca_Desig_Scaffold03724	466	(G/A)
35987	CadSNP11582	<i>Desi</i>	Ca_Desig_Scaffold03726	49884	(G/A)
35988	CadSNP11583	<i>Desi</i>	Ca_Desig_Scaffold03730	44140	(C/A)
35989	CadSNP11584	<i>Desi</i>	Ca_Desig_Scaffold03730	53937	(C/A)
35990	CadSNP11585	<i>Desi</i>	Ca_Desig_Scaffold03730	53960	(C/A)
35991	CadSNP11586	<i>Desi</i>	Ca_Desig_Scaffold03730	54102	(C/A)
35992	CadSNP11587	<i>Desi</i>	Ca_Desig_Scaffold03730	70680	(C/T)
35993	CadSNP11588	<i>Desi</i>	Ca_Desig_Scaffold03730	70907	(C/T)
35994	CadSNP11589	<i>Desi</i>	Ca_Desig_Scaffold03733	23706	(C/T)
35995	CadSNP11590	<i>Desi</i>	Ca_Desig_Scaffold03733	23721	(C/A)
35996	CadSNP11591	<i>Desi</i>	Ca_Desig_Scaffold03733	23740	(C/T)
35997	CadSNP11592	<i>Desi</i>	Ca_Desig_Scaffold03733	23755	(G/A)
35998	CadSNP11593	<i>Desi</i>	Ca_Desig_Scaffold03733	23753	(C/T)
35999	CadSNP11594	<i>Desi</i>	Ca_Desig_Scaffold03741	2977	(C/T)
36000	CadSNP11595	<i>Desi</i>	Ca_Desig_Scaffold03741	8721	(A/G)
36001	CadSNP11596	<i>Desi</i>	Ca_Desig_Scaffold03741	13393	(A/G)
36002	CadSNP11597	<i>Desi</i>	Ca_Desig_Scaffold03741	13346	(C/G)
36003	CadSNP11598	<i>Desi</i>	Ca_Desig_Scaffold03741	18261	(T/A)
36004	CadSNP11599	<i>Desi</i>	Ca_Desig_Scaffold03745	5575	(A/G)
36005	CadSNP11600	<i>Desi</i>	Ca_Desig_Scaffold03745	21904	(G/T)
36006	CadSNP11601	<i>Desi</i>	Ca_Desig_Scaffold03745	22942	(G/A)
36007	CadSNP11602	<i>Desi</i>	Ca_Desig_Scaffold03755	16306	(C/T)
36008	CadSNP11603	<i>Desi</i>	Ca_Desig_Scaffold03758	11128	(A/G)
36009	CadSNP11604	<i>Desi</i>	Ca_Desig_Scaffold03758	16097	(G/A)
36010	CadSNP11605	<i>Desi</i>	Ca_Desig_Scaffold03761	12175	(G/C)
36011	CadSNP11606	<i>Desi</i>	Ca_Desig_Scaffold03761	12711	(T/G)
36012	CadSNP11607	<i>Desi</i>	Ca_Desig_Scaffold03761	12738	(C/T)
36013	CadSNP11608	<i>Desi</i>	Ca_Desig_Scaffold03792	19552	(G/A)
36014	CadSNP11609	<i>Desi</i>	Ca_Desig_Scaffold03792	19610	(T/C)
36015	CadSNP11610	<i>Desi</i>	Ca_Desig_Scaffold03792	19667	(C/G)
36016	CadSNP11611	<i>Desi</i>	Ca_Desig_Scaffold03804	19247	(T/C)
36017	CadSNP11612	<i>Desi</i>	Ca_Desig_Scaffold03804	19257	(T/C)
36018	CadSNP11613	<i>Desi</i>	Ca_Desig_Scaffold03804	19283	(T/G)
36019	CadSNP11614	<i>Desi</i>	Ca_Desig_Scaffold03813	11006	(C/T)
36020	CadSNP11615	<i>Desi</i>	Ca_Desig_Scaffold03813	11002	(G/A)
36021	CadSNP11616	<i>Desi</i>	Ca_Desig_Scaffold03813	10969	(G/T)
36022	CadSNP11617	<i>Desi</i>	Ca_Desig_Scaffold03857	24746	(G/A)
36023	CadSNP11618	<i>Desi</i>	Ca_Desig_Scaffold03870	12579	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36024	CadSNP11619	<i>Desi</i>	Ca_Desig_Scaffold03888	19259	(A/T)
36025	CadSNP11620	<i>Desi</i>	Ca_Desig_Scaffold03888	19294	(G/A)
36026	CadSNP11621	<i>Desi</i>	Ca_Desig_Scaffold03903	19335	(C/A)
36027	CadSNP11622	<i>Desi</i>	Ca_Desig_Scaffold03903	19382	(G/C)
36028	CadSNP11623	<i>Desi</i>	Ca_Desig_Scaffold03903	19367	(T/A)
36029	CadSNP11624	<i>Desi</i>	Ca_Desig_Scaffold03903	19310	(G/A)
36030	CadSNP11625	<i>Desi</i>	Ca_Desig_Scaffold03903	19308	(A/C)
36031	CadSNP11626	<i>Desi</i>	Ca_Desig_Scaffold03907	7841	(C/T)
36032	CadSNP11627	<i>Desi</i>	Ca_Desig_Scaffold03907	7987	(A/T)
36033	CadSNP11628	<i>Desi</i>	Ca_Desig_Scaffold03907	8062	(C/T)
36034	CadSNP11629	<i>Desi</i>	Ca_Desig_Scaffold03910	21972	(G/A)
36035	CadSNP11630	<i>Desi</i>	Ca_Desig_Scaffold03916	3991	(C/A)
36036	CadSNP11631	<i>Desi</i>	Ca_Desig_Scaffold03916	4202	(T/C)
36037	CadSNP11632	<i>Desi</i>	Ca_Desig_Scaffold03916	4198	(C/G)
36038	CadSNP11633	<i>Desi</i>	Ca_Desig_Scaffold03916	4170	(C/A)
36039	CadSNP11634	<i>Desi</i>	Ca_Desig_Scaffold03916	4145	(G/A)
36040	CadSNP11635	<i>Desi</i>	Ca_Desig_Scaffold03925	21083	(T/C)
36041	CadSNP11636	<i>Desi</i>	Ca_Desig_Scaffold03933	15377	(A/G)
36042	CadSNP11637	<i>Desi</i>	Ca_Desig_Scaffold03935	17999	(C/A)
36043	CadSNP11638	<i>Desi</i>	Ca_Desig_Scaffold03935	18011	(A/T)
36044	CadSNP11639	<i>Desi</i>	Ca_Desig_Scaffold03935	18020	(T/A)
36045	CadSNP11640	<i>Desi</i>	Ca_Desig_Scaffold03935	18128	(C/A)
36046	CadSNP11641	<i>Desi</i>	Ca_Desig_Scaffold03935	18062	(A/C)
36047	CadSNP11642	<i>Desi</i>	Ca_Desig_Scaffold03941	618	(G/A)
36048	CadSNP11643	<i>Desi</i>	Ca_Desig_Scaffold03941	624	(A/G)
36049	CadSNP11644	<i>Desi</i>	Ca_Desig_Scaffold03941	661	(T/C)
36050	CadSNP11645	<i>Desi</i>	Ca_Desig_Scaffold03947	18381	(C/T)
36051	CadSNP11646	<i>Desi</i>	Ca_Desig_Scaffold03947	18354	(G/A)
36052	CadSNP11647	<i>Desi</i>	Ca_Desig_Scaffold03947	18343	(G/A)
36053	CadSNP11648	<i>Desi</i>	Ca_Desig_Scaffold03947	18322	(G/T)
36054	CadSNP11649	<i>Desi</i>	Ca_Desig_Scaffold03947	18382	(T/C)
36055	CadSNP11650	<i>Desi</i>	Ca_Desig_Scaffold03947	18387	(C/A)
36056	CadSNP11651	<i>Desi</i>	Ca_Desig_Scaffold03949	11105	(C/T)
36057	CadSNP11652	<i>Desi</i>	Ca_Desig_Scaffold03949	11097	(A/G)
36058	CadSNP11653	<i>Desi</i>	Ca_Desig_Scaffold03950	2356	(G/A)
36059	CadSNP11654	<i>Desi</i>	Ca_Desig_Scaffold03950	2364	(C/A)
36060	CadSNP11655	<i>Desi</i>	Ca_Desig_Scaffold03950	2435	(C/A)
36061	CadSNP11656	<i>Desi</i>	Ca_Desig_Scaffold03950	20151	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36062	CadSNP11657	<i>Desi</i>	Ca_Desig_Scaffold03971	5437	(C/A)
36063	CadSNP11658	<i>Desi</i>	Ca_Desig_Scaffold03978	19061	(C/T)
36064	CadSNP11659	<i>Desi</i>	Ca_Desig_Scaffold03978	19048	(A/C)
36065	CadSNP11660	<i>Desi</i>	Ca_Desig_Scaffold03982	10081	(T/C)
36066	CadSNP11661	<i>Desi</i>	Ca_Desig_Scaffold03984	19300	(G/A)
36067	CadSNP11662	<i>Desi</i>	Ca_Desig_Scaffold03984	19291	(A/G)
36068	CadSNP11663	<i>Desi</i>	Ca_Desig_Scaffold03985	832	(T/C)
36069	CadSNP11664	<i>Desi</i>	Ca_Desig_Scaffold03985	836	(C/T)
36070	CadSNP11665	<i>Desi</i>	Ca_Desig_Scaffold03985	862	(C/T)
36071	CadSNP11666	<i>Desi</i>	Ca_Desig_Scaffold03985	896	(C/T)
36072	CadSNP11667	<i>Desi</i>	Ca_Desig_Scaffold03985	901	(A/C)
36073	CadSNP11668	<i>Desi</i>	Ca_Desig_Scaffold03985	933	(G/T)
36074	CadSNP11669	<i>Desi</i>	Ca_Desig_Scaffold03985	924	(G/T)
36075	CadSNP11670	<i>Desi</i>	Ca_Desig_Scaffold03985	922	(T/A)
36076	CadSNP11671	<i>Desi</i>	Ca_Desig_Scaffold03985	864	(C/G)
36077	CadSNP11672	<i>Desi</i>	Ca_Desig_Scaffold04008	14465	(A/T)
36078	CadSNP11673	<i>Desi</i>	Ca_Desig_Scaffold04008	14849	(T/G)
36079	CadSNP11674	<i>Desi</i>	Ca_Desig_Scaffold04025	8207	(A/G)
36080	CadSNP11675	<i>Desi</i>	Ca_Desig_Scaffold04025	8157	(G/A)
36081	CadSNP11676	<i>Desi</i>	Ca_Desig_Scaffold04028	10660	(A/T)
36082	CadSNP11677	<i>Desi</i>	Ca_Desig_Scaffold04028	10683	(T/C)
36083	CadSNP11678	<i>Desi</i>	Ca_Desig_Scaffold04028	10707	(C/T)
36084	CadSNP11679	<i>Desi</i>	Ca_Desig_Scaffold04033	7362	(C/T)
36085	CadSNP11680	<i>Desi</i>	Ca_Desig_Scaffold04040	3461	(C/T)
36086	CadSNP11681	<i>Desi</i>	Ca_Desig_Scaffold04040	15439	(A/C)
36087	CadSNP11682	<i>Desi</i>	Ca_Desig_Scaffold04040	15678	(T/C)
36088	CadSNP11683	<i>Desi</i>	Ca_Desig_Scaffold04040	15676	(A/C)
36089	CadSNP11684	<i>Desi</i>	Ca_Desig_Scaffold04052	10199	(C/T)
36090	CadSNP11685	<i>Desi</i>	Ca_Desig_Scaffold04073	14883	(G/T)
36091	CadSNP11686	<i>Desi</i>	Ca_Desig_Scaffold04076	2488	(G/A)
36092	CadSNP11687	<i>Desi</i>	Ca_Desig_Scaffold04076	2471	(C/T)
36093	CadSNP11688	<i>Desi</i>	Ca_Desig_Scaffold04076	2468	(T/A)
36094	CadSNP11689	<i>Desi</i>	Ca_Desig_Scaffold04082	2195	(C/T)
36095	CadSNP11690	<i>Desi</i>	Ca_Desig_Scaffold04085	1688	(A/G)
36096	CadSNP11691	<i>Desi</i>	Ca_Desig_Scaffold04085	1686	(C/A)
36097	CadSNP11692	<i>Desi</i>	Ca_Desig_Scaffold04085	1657	(C/T)
36098	CadSNP11693	<i>Desi</i>	Ca_Desig_Scaffold04092	13843	(A/T)
36099	CadSNP11694	<i>Desi</i>	Ca_Desig_Scaffold04092	13846	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36100	CadSNP11695	<i>Desi</i>	Ca_Desig_Scaffold04099	14764	(A/C)
36101	CadSNP11696	<i>Desi</i>	Ca_Desig_Scaffold04114	835	(T/C)
36102	CadSNP11697	<i>Desi</i>	Ca_Desig_Scaffold04125	2087	(C/G)
36103	CadSNP11698	<i>Desi</i>	Ca_Desig_Scaffold04125	2084	(A/C)
36104	CadSNP11699	<i>Desi</i>	Ca_Desig_Scaffold04130	17078	(T/G)
36105	CadSNP11700	<i>Desi</i>	Ca_Desig_Scaffold04144	8514	(G/A)
36106	CadSNP11701	<i>Desi</i>	Ca_Desig_Scaffold04160	15488	(T/C)
36107	CadSNP11702	<i>Desi</i>	Ca_Desig_Scaffold04164	21825	(G/A)
36108	CadSNP11703	<i>Desi</i>	Ca_Desig_Scaffold04164	21776	(G/A)
36109	CadSNP11704	<i>Desi</i>	Ca_Desig_Scaffold04165	10047	(A/G)
36110	CadSNP11705	<i>Desi</i>	Ca_Desig_Scaffold04171	4826	(T/C)
36111	CadSNP11706	<i>Desi</i>	Ca_Desig_Scaffold04171	4840	(G/A)
36112	CadSNP11707	<i>Desi</i>	Ca_Desig_Scaffold04178	20227	(T/G)
36113	CadSNP11708	<i>Desi</i>	Ca_Desig_Scaffold04185	7264	(T/C)
36114	CadSNP11709	<i>Desi</i>	Ca_Desig_Scaffold04185	7249	(C/T)
36115	CadSNP11710	<i>Desi</i>	Ca_Desig_Scaffold04185	7339	(G/A)
36116	CadSNP11711	<i>Desi</i>	Ca_Desig_Scaffold04185	7340	(T/A)
36117	CadSNP11712	<i>Desi</i>	Ca_Desig_Scaffold04185	7369	(G/A)
36118	CadSNP11713	<i>Desi</i>	Ca_Desig_Scaffold04185	7374	(T/G)
36119	CadSNP11714	<i>Desi</i>	Ca_Desig_Scaffold04185	7427	(A/T)
36120	CadSNP11715	<i>Desi</i>	Ca_Desig_Scaffold04185	7568	(C/T)
36121	CadSNP11716	<i>Desi</i>	Ca_Desig_Scaffold04185	7596	(A/G)
36122	CadSNP11717	<i>Desi</i>	Ca_Desig_Scaffold04187	7795	(C/T)
36123	CadSNP11718	<i>Desi</i>	Ca_Desig_Scaffold04187	8034	(T/C)
36124	CadSNP11719	<i>Desi</i>	Ca_Desig_Scaffold04189	4189	(C/T)
36125	CadSNP11720	<i>Desi</i>	Ca_Desig_Scaffold04189	4186	(G/T)
36126	CadSNP11721	<i>Desi</i>	Ca_Desig_Scaffold04195	3516	(A/G)
36127	CadSNP11722	<i>Desi</i>	Ca_Desig_Scaffold04195	5636	(G/A)
36128	CadSNP11723	<i>Desi</i>	Ca_Desig_Scaffold04195	5703	(T/C)
36129	CadSNP11724	<i>Desi</i>	Ca_Desig_Scaffold04195	20832	(A/G)
36130	CadSNP11725	<i>Desi</i>	Ca_Desig_Scaffold04196	27181	(G/A)
36131	CadSNP11726	<i>Desi</i>	Ca_Desig_Scaffold04196	28086	(C/T)
36132	CadSNP11727	<i>Desi</i>	Ca_Desig_Scaffold04196	36997	(A/C)
36133	CadSNP11728	<i>Desi</i>	Ca_Desig_Scaffold04196	37051	(G/A)
36134	CadSNP11729	<i>Desi</i>	Ca_Desig_Scaffold04196	49463	(T/G)
36135	CadSNP11730	<i>Desi</i>	Ca_Desig_Scaffold04196	52526	(C/A)
36136	CadSNP11731	<i>Desi</i>	Ca_Desig_Scaffold04202	14293	(C/T)
36137	CadSNP11732	<i>Desi</i>	Ca_Desig_Scaffold04202	14298	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36138	CadSNP11733	<i>Desi</i>	Ca_Desig_Scaffold04202	17468	(C/G)
36139	CadSNP11734	<i>Desi</i>	Ca_Desig_Scaffold04217	11557	(A/G)
36140	CadSNP11735	<i>Desi</i>	Ca_Desig_Scaffold04219	7455	(G/A)
36141	CadSNP11736	<i>Desi</i>	Ca_Desig_Scaffold04220	11414	(A/C)
36142	CadSNP11737	<i>Desi</i>	Ca_Desig_Scaffold04220	11423	(T/C)
36143	CadSNP11738	<i>Desi</i>	Ca_Desig_Scaffold04220	11452	(A/G)
36144	CadSNP11739	<i>Desi</i>	Ca_Desig_Scaffold04231	15504	(T/A)
36145	CadSNP11740	<i>Desi</i>	Ca_Desig_Scaffold04242	15016	(A/G)
36146	CadSNP11741	<i>Desi</i>	Ca_Desig_Scaffold04246	14006	(T/C)
36147	CadSNP11742	<i>Desi</i>	Ca_Desig_Scaffold04257	11774	(C/T)
36148	CadSNP11743	<i>Desi</i>	Ca_Desig_Scaffold04291	3082	(C/T)
36149	CadSNP11744	<i>Desi</i>	Ca_Desig_Scaffold04300	18875	(T/G)
36150	CadSNP11745	<i>Desi</i>	Ca_Desig_Scaffold04310	6990	(C/G)
36151	CadSNP11746	<i>Desi</i>	Ca_Desig_Scaffold04316	10832	(C/T)
36152	CadSNP11747	<i>Desi</i>	Ca_Desig_Scaffold04316	10849	(A/G)
36153	CadSNP11748	<i>Desi</i>	Ca_Desig_Scaffold04316	12635	(C/A)
36154	CadSNP11749	<i>Desi</i>	Ca_Desig_Scaffold04317	4357	(T/G)
36155	CadSNP11750	<i>Desi</i>	Ca_Desig_Scaffold04317	4368	(T/A)
36156	CadSNP11751	<i>Desi</i>	Ca_Desig_Scaffold04317	4369	(C/T)
36157	CadSNP11752	<i>Desi</i>	Ca_Desig_Scaffold04319	6123	(A/C)
36158	CadSNP11753	<i>Desi</i>	Ca_Desig_Scaffold04326	9382	(A/T)
36159	CadSNP11754	<i>Desi</i>	Ca_Desig_Scaffold04326	9510	(T/A)
36160	CadSNP11755	<i>Desi</i>	Ca_Desig_Scaffold04326	9886	(T/G)
36161	CadSNP11756	<i>Desi</i>	Ca_Desig_Scaffold04351	10363	(G/T)
36162	CadSNP11757	<i>Desi</i>	Ca_Desig_Scaffold04351	10365	(C/T)
36163	CadSNP11758	<i>Desi</i>	Ca_Desig_Scaffold04351	10372	(A/G)
36164	CadSNP11759	<i>Desi</i>	Ca_Desig_Scaffold04351	10405	(C/T)
36165	CadSNP11760	<i>Desi</i>	Ca_Desig_Scaffold04360	1496	(G/A)
36166	CadSNP11761	<i>Desi</i>	Ca_Desig_Scaffold04360	1575	(C/T)
36167	CadSNP11762	<i>Desi</i>	Ca_Desig_Scaffold04379	8861	(C/A)
36168	CadSNP11763	<i>Desi</i>	Ca_Desig_Scaffold04399	12858	(T/G)
36169	CadSNP11764	<i>Desi</i>	Ca_Desig_Scaffold04399	12879	(C/A)
36170	CadSNP11765	<i>Desi</i>	Ca_Desig_Scaffold04399	13046	(C/T)
36171	CadSNP11766	<i>Desi</i>	Ca_Desig_Scaffold04410	9235	(T/G)
36172	CadSNP11767	<i>Desi</i>	Ca_Desig_Scaffold04410	9221	(T/C)
36173	CadSNP11768	<i>Desi</i>	Ca_Desig_Scaffold04418	15735	(C/T)
36174	CadSNP11769	<i>Desi</i>	Ca_Desig_Scaffold04418	15807	(A/T)
36175	CadSNP11770	<i>Desi</i>	Ca_Desig_Scaffold04423	8958	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36176	CadSNP11771	<i>Desi</i>	Ca_Desig_Scaffold04423	11480	(T/C)
36177	CadSNP11772	<i>Desi</i>	Ca_Desig_Scaffold04423	12420	(A/G)
36178	CadSNP11773	<i>Desi</i>	Ca_Desig_Scaffold04423	12414	(T/G)
36179	CadSNP11774	<i>Desi</i>	Ca_Desig_Scaffold04423	12406	(C/T)
36180	CadSNP11775	<i>Desi</i>	Ca_Desig_Scaffold04437	15934	(A/C)
36181	CadSNP11776	<i>Desi</i>	Ca_Desig_Scaffold04437	15948	(A/C)
36182	CadSNP11777	<i>Desi</i>	Ca_Desig_Scaffold04437	15963	(A/C)
36183	CadSNP11778	<i>Desi</i>	Ca_Desig_Scaffold04437	15967	(C/T)
36184	CadSNP11779	<i>Desi</i>	Ca_Desig_Scaffold04437	15976	(T/C)
36185	CadSNP11780	<i>Desi</i>	Ca_Desig_Scaffold04437	15983	(A/C)
36186	CadSNP11781	<i>Desi</i>	Ca_Desig_Scaffold04437	15991	(A/G)
36187	CadSNP11782	<i>Desi</i>	Ca_Desig_Scaffold04437	15993	(T/C)
36188	CadSNP11783	<i>Desi</i>	Ca_Desig_Scaffold04437	15997	(T/C)
36189	CadSNP11784	<i>Desi</i>	Ca_Desig_Scaffold04437	16022	(T/C)
36190	CadSNP11785	<i>Desi</i>	Ca_Desig_Scaffold04437	15982	(A/G)
36191	CadSNP11786	<i>Desi</i>	Ca_Desig_Scaffold04437	15942	(C/T)
36192	CadSNP11787	<i>Desi</i>	Ca_Desig_Scaffold04442	69	(T/C)
36193	CadSNP11788	<i>Desi</i>	Ca_Desig_Scaffold04442	100	(C/A)
36194	CadSNP11789	<i>Desi</i>	Ca_Desig_Scaffold04448	6256	(A/G)
36195	CadSNP11790	<i>Desi</i>	Ca_Desig_Scaffold04448	15163	(G/A)
36196	CadSNP11791	<i>Desi</i>	Ca_Desig_Scaffold04448	15603	(C/T)
36197	CadSNP11792	<i>Desi</i>	Ca_Desig_Scaffold04449	1569	(C/A)
36198	CadSNP11793	<i>Desi</i>	Ca_Desig_Scaffold04453	161725	(C/A)
36199	CadSNP11794	<i>Desi</i>	Ca_Desig_Scaffold04453	196940	(T/G)
36200	CadSNP11795	<i>Desi</i>	Ca_Desig_Scaffold04453	196914	(G/T)
36201	CadSNP11796	<i>Desi</i>	Ca_Desig_Scaffold04454	4593	(C/G)
36202	CadSNP11797	<i>Desi</i>	Ca_Desig_Scaffold04454	6906	(T/G)
36203	CadSNP11798	<i>Desi</i>	Ca_Desig_Scaffold04457	19027	(A/C)
36204	CadSNP11799	<i>Desi</i>	Ca_Desig_Scaffold04460	11579	(A/C)
36205	CadSNP11800	<i>Desi</i>	Ca_Desig_Scaffold04460	11684	(C/T)
36206	CadSNP11801	<i>Desi</i>	Ca_Desig_Scaffold04463	925	(C/T)
36207	CadSNP11802	<i>Desi</i>	Ca_Desig_Scaffold04472	14688	(G/A)
36208	CadSNP11803	<i>Desi</i>	Ca_Desig_Scaffold04472	14958	(A/C)
36209	CadSNP11804	<i>Desi</i>	Ca_Desig_Scaffold04492	9997	(A/G)
36210	CadSNP11805	<i>Desi</i>	Ca_Desig_Scaffold04529	1730	(T/C)
36211	CadSNP11806	<i>Desi</i>	Ca_Desig_Scaffold04543	6900	(A/C)
36212	CadSNP11807	<i>Desi</i>	Ca_Desig_Scaffold04543	6965	(T/C)
36213	CadSNP11808	<i>Desi</i>	Ca_Desig_Scaffold04543	6933	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36214	CadSNP11809	<i>Desi</i>	Ca_Desig_Scaffold04564	10890	(C/T)
36215	CadSNP11810	<i>Desi</i>	Ca_Desig_Scaffold04570	6408	(G/A)
36216	CadSNP11811	<i>Desi</i>	Ca_Desig_Scaffold04570	6526	(T/A)
36217	CadSNP11812	<i>Desi</i>	Ca_Desig_Scaffold04570	6519	(T/C)
36218	CadSNP11813	<i>Desi</i>	Ca_Desig_Scaffold04570	6504	(A/G)
36219	CadSNP11814	<i>Desi</i>	Ca_Desig_Scaffold04570	6458	(T/A)
36220	CadSNP11815	<i>Desi</i>	Ca_Desig_Scaffold04574	124	(A/G)
36221	CadSNP11816	<i>Desi</i>	Ca_Desig_Scaffold04574	199	(T/A)
36222	CadSNP11817	<i>Desi</i>	Ca_Desig_Scaffold04574	193	(C/T)
36223	CadSNP11818	<i>Desi</i>	Ca_Desig_Scaffold04574	164	(G/T)
36224	CadSNP11819	<i>Desi</i>	Ca_Desig_Scaffold04574	161	(C/A)
36225	CadSNP11820	<i>Desi</i>	Ca_Desig_Scaffold04574	138	(G/A)
36226	CadSNP11821	<i>Desi</i>	Ca_Desig_Scaffold04574	218	(A/G)
36227	CadSNP11822	<i>Desi</i>	Ca_Desig_Scaffold04579	1602	(T/C)
36228	CadSNP11823	<i>Desi</i>	Ca_Desig_Scaffold04579	1758	(C/A)
36229	CadSNP11824	<i>Desi</i>	Ca_Desig_Scaffold04579	1718	(T/G)
36230	CadSNP11825	<i>Desi</i>	Ca_Desig_Scaffold04579	17937	(G/C)
36231	CadSNP11826	<i>Desi</i>	Ca_Desig_Scaffold04579	17946	(C/A)
36232	CadSNP11827	<i>Desi</i>	Ca_Desig_Scaffold04579	17956	(G/A)
36233	CadSNP11828	<i>Desi</i>	Ca_Desig_Scaffold04579	18040	(A/G)
36234	CadSNP11829	<i>Desi</i>	Ca_Desig_Scaffold04579	18026	(A/G)
36235	CadSNP11830	<i>Desi</i>	Ca_Desig_Scaffold04579	18017	(C/G)
36236	CadSNP11831	<i>Desi</i>	Ca_Desig_Scaffold04579	17997	(G/A)
36237	CadSNP11832	<i>Desi</i>	Ca_Desig_Scaffold04579	17990	(G/T)
36238	CadSNP11833	<i>Desi</i>	Ca_Desig_Scaffold04579	17982	(C/T)
36239	CadSNP11834	<i>Desi</i>	Ca_Desig_Scaffold04579	17980	(T/G)
36240	CadSNP11835	<i>Desi</i>	Ca_Desig_Scaffold04580	13601	(G/C)
36241	CadSNP11836	<i>Desi</i>	Ca_Desig_Scaffold04580	13666	(T/C)
36242	CadSNP11837	<i>Desi</i>	Ca_Desig_Scaffold04581	9159	(G/A)
36243	CadSNP11838	<i>Desi</i>	Ca_Desig_Scaffold04591	9222	(G/A)
36244	CadSNP11839	<i>Desi</i>	Ca_Desig_Scaffold04591	9249	(G/A)
36245	CadSNP11840	<i>Desi</i>	Ca_Desig_Scaffold04591	11873	(T/G)
36246	CadSNP11841	<i>Desi</i>	Ca_Desig_Scaffold04591	11921	(G/T)
36247	CadSNP11842	<i>Desi</i>	Ca_Desig_Scaffold04591	11922	(C/T)
36248	CadSNP11843	<i>Desi</i>	Ca_Desig_Scaffold04591	11927	(A/G)
36249	CadSNP11844	<i>Desi</i>	Ca_Desig_Scaffold04591	11931	(C/T)
36250	CadSNP11845	<i>Desi</i>	Ca_Desig_Scaffold04593	15945	(G/T)
36251	CadSNP11846	<i>Desi</i>	Ca_Desig_Scaffold04593	16028	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36252	CadSNP11847	<i>Desi</i>	Ca_Desig_Scaffold04593	15999	(A/C)
36253	CadSNP11848	<i>Desi</i>	Ca_Desig_Scaffold04599	12433	(A/G)
36254	CadSNP11849	<i>Desi</i>	Ca_Desig_Scaffold04628	15129	(C/A)
36255	CadSNP11850	<i>Desi</i>	Ca_Desig_Scaffold04665	1143	(T/C)
36256	CadSNP11851	<i>Desi</i>	Ca_Desig_Scaffold04665	1162	(A/T)
36257	CadSNP11852	<i>Desi</i>	Ca_Desig_Scaffold04665	1167	(C/T)
36258	CadSNP11853	<i>Desi</i>	Ca_Desig_Scaffold04666	3152	(T/G)
36259	CadSNP11854	<i>Desi</i>	Ca_Desig_Scaffold04666	3148	(G/A)
36260	CadSNP11855	<i>Desi</i>	Ca_Desig_Scaffold04666	3122	(T/C)
36261	CadSNP11856	<i>Desi</i>	Ca_Desig_Scaffold04666	3146	(T/G)
36262	CadSNP11857	<i>Desi</i>	Ca_Desig_Scaffold04706	12940	(G/C)
36263	CadSNP11858	<i>Desi</i>	Ca_Desig_Scaffold04707	6130	(A/G)
36264	CadSNP11859	<i>Desi</i>	Ca_Desig_Scaffold04721	9541	(C/A)
36265	CadSNP11860	<i>Desi</i>	Ca_Desig_Scaffold04732	2312	(T/A)
36266	CadSNP11861	<i>Desi</i>	Ca_Desig_Scaffold04732	2301	(A/G)
36267	CadSNP11862	<i>Desi</i>	Ca_Desig_Scaffold04732	2286	(C/A)
36268	CadSNP11863	<i>Desi</i>	Ca_Desig_Scaffold04732	2819	(T/C)
36269	CadSNP11864	<i>Desi</i>	Ca_Desig_Scaffold04732	9866	(A/C)
36270	CadSNP11865	<i>Desi</i>	Ca_Desig_Scaffold04732	9847	(T/C)
36271	CadSNP11866	<i>Desi</i>	Ca_Desig_Scaffold04733	57	(G/T)
36272	CadSNP11867	<i>Desi</i>	Ca_Desig_Scaffold04733	79	(C/G)
36273	CadSNP11868	<i>Desi</i>	Ca_Desig_Scaffold04733	88	(T/A)
36274	CadSNP11869	<i>Desi</i>	Ca_Desig_Scaffold04751	13587	(A/G)
36275	CadSNP11870	<i>Desi</i>	Ca_Desig_Scaffold04772	9589	(A/C)
36276	CadSNP11871	<i>Desi</i>	Ca_Desig_Scaffold04772	10186	(A/C)
36277	CadSNP11872	<i>Desi</i>	Ca_Desig_Scaffold04772	10182	(C/A)
36278	CadSNP11873	<i>Desi</i>	Ca_Desig_Scaffold04784	7724	(G/A)
36279	CadSNP11874	<i>Desi</i>	Ca_Desig_Scaffold04787	3410	(C/A)
36280	CadSNP11875	<i>Desi</i>	Ca_Desig_Scaffold04794	3736	(C/A)
36281	CadSNP11876	<i>Desi</i>	Ca_Desig_Scaffold04794	3973	(C/A)
36282	CadSNP11877	<i>Desi</i>	Ca_Desig_Scaffold04796	5442	(A/C)
36283	CadSNP11878	<i>Desi</i>	Ca_Desig_Scaffold04814	9058	(T/C)
36284	CadSNP11879	<i>Desi</i>	Ca_Desig_Scaffold04814	9065	(C/G)
36285	CadSNP11880	<i>Desi</i>	Ca_Desig_Scaffold04814	9106	(T/C)
36286	CadSNP11881	<i>Desi</i>	Ca_Desig_Scaffold04814	9200	(G/A)
36287	CadSNP11882	<i>Desi</i>	Ca_Desig_Scaffold04814	9172	(G/C)
36288	CadSNP11883	<i>Desi</i>	Ca_Desig_Scaffold04832	4371	(C/T)
36289	CadSNP11884	<i>Desi</i>	Ca_Desig_Scaffold04832	10214	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36290	CadSNP11885	<i>Desi</i>	Ca_Desig_Scaffold04832	10223	(T/C)
36291	CadSNP11886	<i>Desi</i>	Ca_Desig_Scaffold04832	10249	(A/C)
36292	CadSNP11887	<i>Desi</i>	Ca_Desig_Scaffold04832	10302	(G/A)
36293	CadSNP11888	<i>Desi</i>	Ca_Desig_Scaffold04832	10267	(C/T)
36294	CadSNP11889	<i>Desi</i>	Ca_Desig_Scaffold04832	10609	(C/T)
36295	CadSNP11890	<i>Desi</i>	Ca_Desig_Scaffold04832	10608	(C/A)
36296	CadSNP11891	<i>Desi</i>	Ca_Desig_Scaffold04832	10601	(C/T)
36297	CadSNP11892	<i>Desi</i>	Ca_Desig_Scaffold04832	10597	(C/A)
36298	CadSNP11893	<i>Desi</i>	Ca_Desig_Scaffold04832	10585	(C/T)
36299	CadSNP11894	<i>Desi</i>	Ca_Desig_Scaffold04832	10546	(A/C)
36300	CadSNP11895	<i>Desi</i>	Ca_Desig_Scaffold04832	10669	(C/G)
36301	CadSNP11896	<i>Desi</i>	Ca_Desig_Scaffold04832	10812	(C/A)
36302	CadSNP11897	<i>Desi</i>	Ca_Desig_Scaffold04832	12896	(A/G)
36303	CadSNP11898	<i>Desi</i>	Ca_Desig_Scaffold04832	12929	(C/G)
36304	CadSNP11899	<i>Desi</i>	Ca_Desig_Scaffold04832	12932	(C/A)
36305	CadSNP11900	<i>Desi</i>	Ca_Desig_Scaffold04832	13022	(T/G)
36306	CadSNP11901	<i>Desi</i>	Ca_Desig_Scaffold04832	13010	(C/T)
36307	CadSNP11902	<i>Desi</i>	Ca_Desig_Scaffold04832	13004	(C/T)
36308	CadSNP11903	<i>Desi</i>	Ca_Desig_Scaffold04832	12997	(G/T)
36309	CadSNP11904	<i>Desi</i>	Ca_Desig_Scaffold04832	12996	(C/T)
36310	CadSNP11905	<i>Desi</i>	Ca_Desig_Scaffold04832	12989	(A/G)
36311	CadSNP11906	<i>Desi</i>	Ca_Desig_Scaffold04832	12986	(G/A)
36312	CadSNP11907	<i>Desi</i>	Ca_Desig_Scaffold04832	12979	(C/T)
36313	CadSNP11908	<i>Desi</i>	Ca_Desig_Scaffold04832	12950	(A/G)
36314	CadSNP11909	<i>Desi</i>	Ca_Desig_Scaffold04833	3636	(G/A)
36315	CadSNP11910	<i>Desi</i>	Ca_Desig_Scaffold04856	15567	(C/T)
36316	CadSNP11911	<i>Desi</i>	Ca_Desig_Scaffold04856	15572	(C/T)
36317	CadSNP11912	<i>Desi</i>	Ca_Desig_Scaffold04862	10470	(T/G)
36318	CadSNP11913	<i>Desi</i>	Ca_Desig_Scaffold04888	10480	(G/A)
36319	CadSNP11914	<i>Desi</i>	Ca_Desig_Scaffold04888	10548	(C/T)
36320	CadSNP11915	<i>Desi</i>	Ca_Desig_Scaffold04888	12127	(A/T)
36321	CadSNP11916	<i>Desi</i>	Ca_Desig_Scaffold04888	12131	(T/C)
36322	CadSNP11917	<i>Desi</i>	Ca_Desig_Scaffold04888	12334	(A/G)
36323	CadSNP11918	<i>Desi</i>	Ca_Desig_Scaffold04888	12392	(A/G)
36324	CadSNP11919	<i>Desi</i>	Ca_Desig_Scaffold04888	12384	(T/A)
36325	CadSNP11920	<i>Desi</i>	Ca_Desig_Scaffold04888	12343	(C/A)
36326	CadSNP11921	<i>Desi</i>	Ca_Desig_Scaffold04897	6841	(G/C)
36327	CadSNP11922	<i>Desi</i>	Ca_Desig_Scaffold04897	6806	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36328	CadSNP11923	<i>Desi</i>	Ca_Desig_Scaffold04899	1732	(G/T)
36329	CadSNP11924	<i>Desi</i>	Ca_Desig_Scaffold04899	1727	(G/C)
36330	CadSNP11925	<i>Desi</i>	Ca_Desig_Scaffold04899	1721	(C/T)
36331	CadSNP11926	<i>Desi</i>	Ca_Desig_Scaffold04899	1699	(A/G)
36332	CadSNP11927	<i>Desi</i>	Ca_Desig_Scaffold04899	1696	(A/C)
36333	CadSNP11928	<i>Desi</i>	Ca_Desig_Scaffold04899	1829	(A/T)
36334	CadSNP11929	<i>Desi</i>	Ca_Desig_Scaffold04899	1851	(T/C)
36335	CadSNP11930	<i>Desi</i>	Ca_Desig_Scaffold04899	1933	(A/G)
36336	CadSNP11931	<i>Desi</i>	Ca_Desig_Scaffold04912	2389	(T/A)
36337	CadSNP11932	<i>Desi</i>	Ca_Desig_Scaffold04916	197	(T/C)
36338	CadSNP11933	<i>Desi</i>	Ca_Desig_Scaffold04929	5144	(C/A)
36339	CadSNP11934	<i>Desi</i>	Ca_Desig_Scaffold04929	5155	(G/T)
36340	CadSNP11935	<i>Desi</i>	Ca_Desig_Scaffold04929	5163	(G/T)
36341	CadSNP11936	<i>Desi</i>	Ca_Desig_Scaffold04929	5170	(T/G)
36342	CadSNP11937	<i>Desi</i>	Ca_Desig_Scaffold04929	5198	(T/C)
36343	CadSNP11938	<i>Desi</i>	Ca_Desig_Scaffold04929	5256	(G/A)
36344	CadSNP11939	<i>Desi</i>	Ca_Desig_Scaffold04929	5253	(G/A)
36345	CadSNP11940	<i>Desi</i>	Ca_Desig_Scaffold04929	5244	(G/T)
36346	CadSNP11941	<i>Desi</i>	Ca_Desig_Scaffold04929	5239	(T/A)
36347	CadSNP11942	<i>Desi</i>	Ca_Desig_Scaffold04929	5238	(G/C)
36348	CadSNP11943	<i>Desi</i>	Ca_Desig_Scaffold04929	5232	(C/A)
36349	CadSNP11944	<i>Desi</i>	Ca_Desig_Scaffold04929	5230	(T/C)
36350	CadSNP11945	<i>Desi</i>	Ca_Desig_Scaffold04929	5229	(T/C)
36351	CadSNP11946	<i>Desi</i>	Ca_Desig_Scaffold04929	5224	(G/A)
36352	CadSNP11947	<i>Desi</i>	Ca_Desig_Scaffold04929	5208	(A/G)
36353	CadSNP11948	<i>Desi</i>	Ca_Desig_Scaffold04929	5204	(T/G)
36354	CadSNP11949	<i>Desi</i>	Ca_Desig_Scaffold04929	5200	(T/C)
36355	CadSNP11950	<i>Desi</i>	Ca_Desig_Scaffold04929	5180	(C/A)
36356	CadSNP11951	<i>Desi</i>	Ca_Desig_Scaffold04929	9338	(G/C)
36357	CadSNP11952	<i>Desi</i>	Ca_Desig_Scaffold04929	9343	(T/G)
36358	CadSNP11953	<i>Desi</i>	Ca_Desig_Scaffold04929	9345	(T/C)
36359	CadSNP11954	<i>Desi</i>	Ca_Desig_Scaffold04929	9347	(A/G)
36360	CadSNP11955	<i>Desi</i>	Ca_Desig_Scaffold04929	9353	(A/G)
36361	CadSNP11956	<i>Desi</i>	Ca_Desig_Scaffold04929	9355	(T/G)
36362	CadSNP11957	<i>Desi</i>	Ca_Desig_Scaffold04929	9357	(T/C)
36363	CadSNP11958	<i>Desi</i>	Ca_Desig_Scaffold04929	9359	(G/A)
36364	CadSNP11959	<i>Desi</i>	Ca_Desig_Scaffold04929	9401	(G/A)
36365	CadSNP11960	<i>Desi</i>	Ca_Desig_Scaffold04929	9518	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36366	CadSNP11961	<i>Desi</i>	Ca_Desig_Scaffold04929	9513	(A/G)
36367	CadSNP11962	<i>Desi</i>	Ca_Desig_Scaffold04929	9509	(G/A)
36368	CadSNP11963	<i>Desi</i>	Ca_Desig_Scaffold04929	9502	(A/T)
36369	CadSNP11964	<i>Desi</i>	Ca_Desig_Scaffold04929	9501	(T/G)
36370	CadSNP11965	<i>Desi</i>	Ca_Desig_Scaffold04929	9622	(A/T)
36371	CadSNP11966	<i>Desi</i>	Ca_Desig_Scaffold04929	9590	(A/G)
36372	CadSNP11967	<i>Desi</i>	Ca_Desig_Scaffold04929	9587	(A/C)
36373	CadSNP11968	<i>Desi</i>	Ca_Desig_Scaffold04938	9031	(G/A)
36374	CadSNP11969	<i>Desi</i>	Ca_Desig_Scaffold04938	9057	(T/C)
36375	CadSNP11970	<i>Desi</i>	Ca_Desig_Scaffold04938	9075	(T/G)
36376	CadSNP11971	<i>Desi</i>	Ca_Desig_Scaffold04949	5389	(C/G)
36377	CadSNP11972	<i>Desi</i>	Ca_Desig_Scaffold04950	14770	(G/T)
36378	CadSNP11973	<i>Desi</i>	Ca_Desig_Scaffold04951	9271	(G/A)
36379	CadSNP11974	<i>Desi</i>	Ca_Desig_Scaffold04951	9323	(A/T)
36380	CadSNP11975	<i>Desi</i>	Ca_Desig_Scaffold04951	9324	(T/A)
36381	CadSNP11976	<i>Desi</i>	Ca_Desig_Scaffold04951	9367	(T/G)
36382	CadSNP11977	<i>Desi</i>	Ca_Desig_Scaffold04952	470	(G/A)
36383	CadSNP11978	<i>Desi</i>	Ca_Desig_Scaffold04953	14379	(G/A)
36384	CadSNP11979	<i>Desi</i>	Ca_Desig_Scaffold04953	14408	(A/T)
36385	CadSNP11980	<i>Desi</i>	Ca_Desig_Scaffold04953	14442	(C/T)
36386	CadSNP11981	<i>Desi</i>	Ca_Desig_Scaffold04953	14454	(C/A)
36387	CadSNP11982	<i>Desi</i>	Ca_Desig_Scaffold04962	9128	(T/A)
36388	CadSNP11983	<i>Desi</i>	Ca_Desig_Scaffold04962	9180	(A/G)
36389	CadSNP11984	<i>Desi</i>	Ca_Desig_Scaffold04962	9183	(A/G)
36390	CadSNP11985	<i>Desi</i>	Ca_Desig_Scaffold04962	9287	(T/C)
36391	CadSNP11986	<i>Desi</i>	Ca_Desig_Scaffold04962	9261	(G/A)
36392	CadSNP11987	<i>Desi</i>	Ca_Desig_Scaffold04984	11135	(C/T)
36393	CadSNP11988	<i>Desi</i>	Ca_Desig_Scaffold04984	11119	(T/C)
36394	CadSNP11989	<i>Desi</i>	Ca_Desig_Scaffold04984	11081	(G/A)
36395	CadSNP11990	<i>Desi</i>	Ca_Desig_Scaffold04991	5949	(T/C)
36396	CadSNP11991	<i>Desi</i>	Ca_Desig_Scaffold05002	12921	(C/T)
36397	CadSNP11992	<i>Desi</i>	Ca_Desig_Scaffold05002	12956	(A/G)
36398	CadSNP11993	<i>Desi</i>	Ca_Desig_Scaffold05014	3365	(T/A)
36399	CadSNP11994	<i>Desi</i>	Ca_Desig_Scaffold05014	3374	(A/G)
36400	CadSNP11995	<i>Desi</i>	Ca_Desig_Scaffold05016	1942	(A/G)
36401	CadSNP11996	<i>Desi</i>	Ca_Desig_Scaffold05016	1977	(A/C)
36402	CadSNP11997	<i>Desi</i>	Ca_Desig_Scaffold05016	1978	(C/T)
36403	CadSNP11998	<i>Desi</i>	Ca_Desig_Scaffold05016	1979	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36404	CadSNP11999	<i>Desi</i>	Ca_Desig_Scaffold05016	1998	(G/A)
36405	CadSNP12000	<i>Desi</i>	Ca_Desig_Scaffold05016	2006	(G/A)
36406	CadSNP12001	<i>Desi</i>	Ca_Desig_Scaffold05017	2128	(A/G)
36407	CadSNP12002	<i>Desi</i>	Ca_Desig_Scaffold05017	2159	(T/C)
36408	CadSNP12003	<i>Desi</i>	Ca_Desig_Scaffold05027	2883	(A/T)
36409	CadSNP12004	<i>Desi</i>	Ca_Desig_Scaffold05034	12762	(T/C)
36410	CadSNP12005	<i>Desi</i>	Ca_Desig_Scaffold05034	12761	(G/C)
36411	CadSNP12006	<i>Desi</i>	Ca_Desig_Scaffold05034	12749	(C/G)
36412	CadSNP12007	<i>Desi</i>	Ca_Desig_Scaffold05059	8450	(G/T)
36413	CadSNP12008	<i>Desi</i>	Ca_Desig_Scaffold05064	838	(A/G)
36414	CadSNP12009	<i>Desi</i>	Ca_Desig_Scaffold05064	2510	(C/T)
36415	CadSNP12010	<i>Desi</i>	Ca_Desig_Scaffold05070	4860	(C/T)
36416	CadSNP12011	<i>Desi</i>	Ca_Desig_Scaffold05070	4931	(A/G)
36417	CadSNP12012	<i>Desi</i>	Ca_Desig_Scaffold05072	14453	(T/A)
36418	CadSNP12013	<i>Desi</i>	Ca_Desig_Scaffold05072	14456	(G/T)
36419	CadSNP12014	<i>Desi</i>	Ca_Desig_Scaffold05077	8081	(T/C)
36420	CadSNP12015	<i>Desi</i>	Ca_Desig_Scaffold05079	2462	(T/C)
36421	CadSNP12016	<i>Desi</i>	Ca_Desig_Scaffold05105	40561	(T/C)
36422	CadSNP12017	<i>Desi</i>	Ca_Desig_Scaffold05105	40628	(C/T)
36423	CadSNP12018	<i>Desi</i>	Ca_Desig_Scaffold05105	57060	(A/C)
36424	CadSNP12019	<i>Desi</i>	Ca_Desig_Scaffold05105	237039	(G/T)
36425	CadSNP12020	<i>Desi</i>	Ca_Desig_Scaffold05134	2955	(G/A)
36426	CadSNP12021	<i>Desi</i>	Ca_Desig_Scaffold05134	3014	(T/G)
36427	CadSNP12022	<i>Desi</i>	Ca_Desig_Scaffold05156	5156	(A/C)
36428	CadSNP12023	<i>Desi</i>	Ca_Desig_Scaffold05156	5152	(T/G)
36429	CadSNP12024	<i>Desi</i>	Ca_Desig_Scaffold05156	5243	(A/C)
36430	CadSNP12025	<i>Desi</i>	Ca_Desig_Scaffold05161	6283	(T/G)
36431	CadSNP12026	<i>Desi</i>	Ca_Desig_Scaffold05161	6382	(A/G)
36432	CadSNP12027	<i>Desi</i>	Ca_Desig_Scaffold05163	11307	(A/G)
36433	CadSNP12028	<i>Desi</i>	Ca_Desig_Scaffold05163	12258	(T/C)
36434	CadSNP12029	<i>Desi</i>	Ca_Desig_Scaffold05171	13108	(T/G)
36435	CadSNP12030	<i>Desi</i>	Ca_Desig_Scaffold05171	13047	(G/A)
36436	CadSNP12031	<i>Desi</i>	Ca_Desig_Scaffold05171	13113	(T/C)
36437	CadSNP12032	<i>Desi</i>	Ca_Desig_Scaffold05180	10236	(T/C)
36438	CadSNP12033	<i>Desi</i>	Ca_Desig_Scaffold05180	10297	(A/G)
36439	CadSNP12034	<i>Desi</i>	Ca_Desig_Scaffold05181	2713	(T/C)
36440	CadSNP12035	<i>Desi</i>	Ca_Desig_Scaffold05250	7505	(T/C)
36441	CadSNP12036	<i>Desi</i>	Ca_Desig_Scaffold05250	8584	(A/G)

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36442	CadSNP12037	<i>Desi</i>	Ca_Desig_Scaffold05261	12027	(A/G)
36443	CadSNP12038	<i>Desi</i>	Ca_Desig_Scaffold05261	12030	(A/G)
36444	CadSNP12039	<i>Desi</i>	Ca_Desig_Scaffold05263	11567	(A/C)
36445	CadSNP12040	<i>Desi</i>	Ca_Desig_Scaffold05263	11571	(T/C)
36446	CadSNP12041	<i>Desi</i>	Ca_Desig_Scaffold05308	8213	(C/A)
36447	CadSNP12042	<i>Desi</i>	Ca_Desig_Scaffold05364	6117	(A/T)
36448	CadSNP12043	<i>Desi</i>	Ca_Desig_Scaffold05365	11356	(A/G)
36449	CadSNP12044	<i>Desi</i>	Ca_Desig_Scaffold05372	3439	(G/A)
36450	CadSNP12045	<i>Desi</i>	Ca_Desig_Scaffold05372	6037	(A/G)
36451	CadSNP12046	<i>Desi</i>	Ca_Desig_Scaffold05383	10642	(T/G)
36452	CadSNP12047	<i>Desi</i>	Ca_Desig_Scaffold05383	10628	(T/G)
36453	CadSNP12048	<i>Desi</i>	Ca_Desig_Scaffold05383	10613	(T/G)
36454	CadSNP12049	<i>Desi</i>	Ca_Desig_Scaffold05383	10599	(C/T)
36455	CadSNP12050	<i>Desi</i>	Ca_Desig_Scaffold05383	10593	(T/G)
36456	CadSNP12051	<i>Desi</i>	Ca_Desig_Scaffold05401	3496	(C/T)
36457	CadSNP12052	<i>Desi</i>	Ca_Desig_Scaffold05401	3468	(T/C)
36458	CadSNP12053	<i>Desi</i>	Ca_Desig_Scaffold05409	4654	(C/T)
36459	CadSNP12054	<i>Desi</i>	Ca_Desig_Scaffold05420	6156	(T/G)
36460	CadSNP12055	<i>Desi</i>	Ca_Desig_Scaffold05423	8307	(T/A)
36461	CadSNP12056	<i>Desi</i>	Ca_Desig_Scaffold05450	7625	(C/A)
36462	CadSNP12057	<i>Desi</i>	Ca_Desig_Scaffold05450	7615	(T/C)
36463	CadSNP12058	<i>Desi</i>	Ca_Desig_Scaffold05450	7608	(G/A)
36464	CadSNP12059	<i>Desi</i>	Ca_Desig_Scaffold05512	8625	(A/G)
36465	CadSNP12060	<i>Desi</i>	Ca_Desig_Scaffold05512	8650	(A/G)
36466	CadSNP12061	<i>Desi</i>	Ca_Desig_Scaffold05518	2477	(T/A)
36467	CadSNP12062	<i>Desi</i>	Ca_Desig_Scaffold05518	2503	(A/G)
36468	CadSNP12063	<i>Desi</i>	Ca_Desig_Scaffold05518	2552	(G/A)
36469	CadSNP12064	<i>Desi</i>	Ca_Desig_Scaffold05523	4359	(G/T)
36470	CadSNP12065	<i>Desi</i>	Ca_Desig_Scaffold05523	4342	(G/A)
36471	CadSNP12066	<i>Desi</i>	Ca_Desig_Scaffold05563	8223	(C/A)
36472	CadSNP12067	<i>Desi</i>	Ca_Desig_Scaffold05563	8274	(A/G)
36473	CadSNP12068	<i>Desi</i>	Ca_Desig_Scaffold05588	1307	(C/T)
36474	CadSNP12069	<i>Desi</i>	Ca_Desig_Scaffold05595	1568	(G/A)
36475	CadSNP12070	<i>Desi</i>	Ca_Desig_Scaffold05596	10937	(C/T)
36476	CadSNP12071	<i>Desi</i>	Ca_Desig_Scaffold05604	4556	(C/A)
36477	CadSNP12072	<i>Desi</i>	Ca_Desig_Scaffold05604	4542	(G/T)
36478	CadSNP12073	<i>Desi</i>	Ca_Desig_Scaffold05604	4531	(A/G)
36479	CadSNP12074	<i>Desi</i>	Ca_Desig_Scaffold05612	3208	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36480	CadSNP12075	<i>Desi</i>	Ca_Desig_Scaffold05613	2512	(A/C)
36481	CadSNP12076	<i>Desi</i>	Ca_Desig_Scaffold05613	2511	(A/C)
36482	CadSNP12077	<i>Desi</i>	Ca_Desig_Scaffold05613	5139	(G/A)
36483	CadSNP12078	<i>Desi</i>	Ca_Desig_Scaffold05613	5206	(A/C)
36484	CadSNP12079	<i>Desi</i>	Ca_Desig_Scaffold05613	5209	(G/T)
36485	CadSNP12080	<i>Desi</i>	Ca_Desig_Scaffold05613	5211	(A/G)
36486	CadSNP12081	<i>Desi</i>	Ca_Desig_Scaffold05665	9717	(C/T)
36487	CadSNP12082	<i>Desi</i>	Ca_Desig_Scaffold05665	9714	(T/A)
36488	CadSNP12083	<i>Desi</i>	Ca_Desig_Scaffold05665	9695	(A/G)
36489	CadSNP12084	<i>Desi</i>	Ca_Desig_Scaffold05665	9681	(C/T)
36490	CadSNP12085	<i>Desi</i>	Ca_Desig_Scaffold05665	9675	(T/C)
36491	CadSNP12086	<i>Desi</i>	Ca_Desig_Scaffold05665	9660	(C/T)
36492	CadSNP12087	<i>Desi</i>	Ca_Desig_Scaffold05679	8342	(A/T)
36493	CadSNP12088	<i>Desi</i>	Ca_Desig_Scaffold05685	519	(T/A)
36494	CadSNP12089	<i>Desi</i>	Ca_Desig_Scaffold05685	528	(G/A)
36495	CadSNP12090	<i>Desi</i>	Ca_Desig_Scaffold05685	532	(A/G)
36496	CadSNP12091	<i>Desi</i>	Ca_Desig_Scaffold05685	543	(A/G)
36497	CadSNP12092	<i>Desi</i>	Ca_Desig_Scaffold05685	544	(T/G)
36498	CadSNP12093	<i>Desi</i>	Ca_Desig_Scaffold05685	549	(T/C)
36499	CadSNP12094	<i>Desi</i>	Ca_Desig_Scaffold05685	557	(C/T)
36500	CadSNP12095	<i>Desi</i>	Ca_Desig_Scaffold05691	6630	(T/A)
36501	CadSNP12096	<i>Desi</i>	Ca_Desig_Scaffold05691	6622	(A/G)
36502	CadSNP12097	<i>Desi</i>	Ca_Desig_Scaffold05691	9651	(G/C)
36503	CadSNP12098	<i>Desi</i>	Ca_Desig_Scaffold05691	9617	(G/A)
36504	CadSNP12099	<i>Desi</i>	Ca_Desig_Scaffold05691	11355	(A/G)
36505	CadSNP12100	<i>Desi</i>	Ca_Desig_Scaffold05703	1824	(G/A)
36506	CadSNP12101	<i>Desi</i>	Ca_Desig_Scaffold05703	2191	(T/C)
36507	CadSNP12102	<i>Desi</i>	Ca_Desig_Scaffold05718	4811	(A/G)
36508	CadSNP12103	<i>Desi</i>	Ca_Desig_Scaffold05718	4852	(T/G)
36509	CadSNP12104	<i>Desi</i>	Ca_Desig_Scaffold05718	4853	(A/T)
36510	CadSNP12105	<i>Desi</i>	Ca_Desig_Scaffold05718	6146	(T/A)
36511	CadSNP12106	<i>Desi</i>	Ca_Desig_Scaffold05718	6138	(T/A)
36512	CadSNP12107	<i>Desi</i>	Ca_Desig_Scaffold05718	7052	(G/A)
36513	CadSNP12108	<i>Desi</i>	Ca_Desig_Scaffold05744	1857	(T/G)
36514	CadSNP12109	<i>Desi</i>	Ca_Desig_Scaffold05753	7645	(G/A)
36515	CadSNP12110	<i>Desi</i>	Ca_Desig_Scaffold05755	4788	(C/T)
36516	CadSNP12111	<i>Desi</i>	Ca_Desig_Scaffold05767	7935	(C/T)
36517	CadSNP12112	<i>Desi</i>	Ca_Desig_Scaffold05773	9905	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36518	CadSNP12113	<i>Desi</i>	Ca_Desig_Scaffold05773	9882	(A/C)
36519	CadSNP12114	<i>Desi</i>	Ca_Desig_Scaffold05793	5323	(G/A)
36520	CadSNP12115	<i>Desi</i>	Ca_Desig_Scaffold05793	5350	(G/A)
36521	CadSNP12116	<i>Desi</i>	Ca_Desig_Scaffold05793	5376	(G/T)
36522	CadSNP12117	<i>Desi</i>	Ca_Desig_Scaffold05793	5382	(A/T)
36523	CadSNP12118	<i>Desi</i>	Ca_Desig_Scaffold05824	374	(G/A)
36524	CadSNP12119	<i>Desi</i>	Ca_Desig_Scaffold05824	206614	(C/T)
36525	CadSNP12120	<i>Desi</i>	Ca_Desig_Scaffold05824	206605	(A/G)
36526	CadSNP12121	<i>Desi</i>	Ca_Desig_Scaffold05824	206594	(C/G)
36527	CadSNP12122	<i>Desi</i>	Ca_Desig_Scaffold05824	206705	(T/A)
36528	CadSNP12123	<i>Desi</i>	Ca_Desig_Scaffold05824	206704	(T/A)
36529	CadSNP12124	<i>Desi</i>	Ca_Desig_Scaffold05824	206669	(G/T)
36530	CadSNP12125	<i>Desi</i>	Ca_Desig_Scaffold05824	206663	(G/T)
36531	CadSNP12126	<i>Desi</i>	Ca_Desig_Scaffold05824	206645	(C/T)
36532	CadSNP12127	<i>Desi</i>	Ca_Desig_Scaffold05824	245276	(G/A)
36533	CadSNP12128	<i>Desi</i>	Ca_Desig_Scaffold05824	403369	(G/A)
36534	CadSNP12129	<i>Desi</i>	Ca_Desig_Scaffold05824	404613	(T/C)
36535	CadSNP12130	<i>Desi</i>	Ca_Desig_Scaffold05824	404670	(G/A)
36536	CadSNP12131	<i>Desi</i>	Ca_Desig_Scaffold05824	551933	(G/A)
36537	CadSNP12132	<i>Desi</i>	Ca_Desig_Scaffold05824	592493	(G/T)
36538	CadSNP12133	<i>Desi</i>	Ca_Desig_Scaffold05824	592495	(A/T)
36539	CadSNP12134	<i>Desi</i>	Ca_Desig_Scaffold05824	609081	(C/T)
36540	CadSNP12135	<i>Desi</i>	Ca_Desig_Scaffold05824	622972	(C/T)
36541	CadSNP12136	<i>Desi</i>	Ca_Desig_Scaffold05824	664247	(C/T)
36542	CadSNP12137	<i>Desi</i>	Ca_Desig_Scaffold05824	664246	(G/T)
36543	CadSNP12138	<i>Desi</i>	Ca_Desig_Scaffold05824	683807	(A/C)
36544	CadSNP12139	<i>Desi</i>	Ca_Desig_Scaffold05824	710209	(T/A)
36545	CadSNP12140	<i>Desi</i>	Ca_Desig_Scaffold05824	751076	(A/G)
36546	CadSNP12141	<i>Desi</i>	Ca_Desig_Scaffold05824	755898	(G/A)
36547	CadSNP12142	<i>Desi</i>	Ca_Desig_Scaffold05871	6128	(T/G)
36548	CadSNP12143	<i>Desi</i>	Ca_Desig_Scaffold05882	6627	(T/C)
36549	CadSNP12144	<i>Desi</i>	Ca_Desig_Scaffold05901	10501	(G/A)
36550	CadSNP12145	<i>Desi</i>	Ca_Desig_Scaffold05901	10527	(T/C)
36551	CadSNP12146	<i>Desi</i>	Ca_Desig_Scaffold05901	10539	(C/A)
36552	CadSNP12147	<i>Desi</i>	Ca_Desig_Scaffold05901	10521	(G/A)
36553	CadSNP12148	<i>Desi</i>	Ca_Desig_Scaffold05901	10617	(C/T)
36554	CadSNP12149	<i>Desi</i>	Ca_Desig_Scaffold05901	10592	(C/T)
36555	CadSNP12150	<i>Desi</i>	Ca_Desig_Scaffold05917	3598	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36556	CadSNP12151	<i>Desi</i>	Ca_Desig_Scaffold05917	3604	(A/G)
36557	CadSNP12152	<i>Desi</i>	Ca_Desig_Scaffold05917	3623	(G/C)
36558	CadSNP12153	<i>Desi</i>	Ca_Desig_Scaffold05917	3631	(C/A)
36559	CadSNP12154	<i>Desi</i>	Ca_Desig_Scaffold05917	3642	(A/G)
36560	CadSNP12155	<i>Desi</i>	Ca_Desig_Scaffold05917	3676	(G/A)
36561	CadSNP12156	<i>Desi</i>	Ca_Desig_Scaffold05917	3767	(C/A)
36562	CadSNP12157	<i>Desi</i>	Ca_Desig_Scaffold05917	3756	(A/G)
36563	CadSNP12158	<i>Desi</i>	Ca_Desig_Scaffold05917	3753	(A/G)
36564	CadSNP12159	<i>Desi</i>	Ca_Desig_Scaffold05938	6461	(G/C)
36565	CadSNP12160	<i>Desi</i>	Ca_Desig_Scaffold05943	10459	(A/G)
36566	CadSNP12161	<i>Desi</i>	Ca_Desig_Scaffold05943	10538	(C/T)
36567	CadSNP12162	<i>Desi</i>	Ca_Desig_Scaffold05945	47215	(A/C)
36568	CadSNP12163	<i>Desi</i>	Ca_Desig_Scaffold05945	159054	(A/G)
36569	CadSNP12164	<i>Desi</i>	Ca_Desig_Scaffold05945	184697	(C/T)
36570	CadSNP12165	<i>Desi</i>	Ca_Desig_Scaffold05945	184695	(C/T)
36571	CadSNP12166	<i>Desi</i>	Ca_Desig_Scaffold05945	184790	(C/T)
36572	CadSNP12167	<i>Desi</i>	Ca_Desig_Scaffold05945	187070	(G/A)
36573	CadSNP12168	<i>Desi</i>	Ca_Desig_Scaffold06004	85	(G/C)
36574	CadSNP12169	<i>Desi</i>	Ca_Desig_Scaffold06007	5428	(A/G)
36575	CadSNP12170	<i>Desi</i>	Ca_Desig_Scaffold06024	8554	(T/G)
36576	CadSNP12171	<i>Desi</i>	Ca_Desig_Scaffold06038	170	(T/A)
36577	CadSNP12172	<i>Desi</i>	Ca_Desig_Scaffold06051	5620	(C/T)
36578	CadSNP12173	<i>Desi</i>	Ca_Desig_Scaffold06051	5732	(C/T)
36579	CadSNP12174	<i>Desi</i>	Ca_Desig_Scaffold06051	7196	(A/G)
36580	CadSNP12175	<i>Desi</i>	Ca_Desig_Scaffold06051	7233	(A/T)
36581	CadSNP12176	<i>Desi</i>	Ca_Desig_Scaffold06082	881	(A/G)
36582	CadSNP12177	<i>Desi</i>	Ca_Desig_Scaffold06082	6430	(T/C)
36583	CadSNP12178	<i>Desi</i>	Ca_Desig_Scaffold06082	9224	(T/A)
36584	CadSNP12179	<i>Desi</i>	Ca_Desig_Scaffold06086	7308	(A/C)
36585	CadSNP12180	<i>Desi</i>	Ca_Desig_Scaffold06086	7309	(C/T)
36586	CadSNP12181	<i>Desi</i>	Ca_Desig_Scaffold06086	7315	(A/G)
36587	CadSNP12182	<i>Desi</i>	Ca_Desig_Scaffold06086	7359	(A/T)
36588	CadSNP12183	<i>Desi</i>	Ca_Desig_Scaffold06087	6245	(T/G)
36589	CadSNP12184	<i>Desi</i>	Ca_Desig_Scaffold06087	6343	(G/A)
36590	CadSNP12185	<i>Desi</i>	Ca_Desig_Scaffold06087	6295	(C/A)
36591	CadSNP12186	<i>Desi</i>	Ca_Desig_Scaffold06087	6449	(T/G)
36592	CadSNP12187	<i>Desi</i>	Ca_Desig_Scaffold06087	6445	(C/T)
36593	CadSNP12188	<i>Desi</i>	Ca_Desig_Scaffold06087	6434	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36594	CadSNP12189	<i>Desi</i>	Ca_Desig_Scaffold06087	6433	(C/T)
36595	CadSNP12190	<i>Desi</i>	Ca_Desig_Scaffold06087	6426	(G/A)
36596	CadSNP12191	<i>Desi</i>	Ca_Desig_Scaffold06087	6419	(A/T)
36597	CadSNP12192	<i>Desi</i>	Ca_Desig_Scaffold06087	6418	(C/T)
36598	CadSNP12193	<i>Desi</i>	Ca_Desig_Scaffold06087	6413	(A/G)
36599	CadSNP12194	<i>Desi</i>	Ca_Desig_Scaffold06087	6412	(T/C)
36600	CadSNP12195	<i>Desi</i>	Ca_Desig_Scaffold06114	3797	(C/G)
36601	CadSNP12196	<i>Desi</i>	Ca_Desig_Scaffold06130	2739	(T/A)
36602	CadSNP12197	<i>Desi</i>	Ca_Desig_Scaffold06131	3816	(C/G)
36603	CadSNP12198	<i>Desi</i>	Ca_Desig_Scaffold06131	4947	(A/T)
36604	CadSNP12199	<i>Desi</i>	Ca_Desig_Scaffold06131	4967	(C/T)
36605	CadSNP12200	<i>Desi</i>	Ca_Desig_Scaffold06132	3418	(T/A)
36606	CadSNP12201	<i>Desi</i>	Ca_Desig_Scaffold06139	2240	(C/G)
36607	CadSNP12202	<i>Desi</i>	Ca_Desig_Scaffold06143	8538	(T/G)
36608	CadSNP12203	<i>Desi</i>	Ca_Desig_Scaffold06143	8595	(C/T)
36609	CadSNP12204	<i>Desi</i>	Ca_Desig_Scaffold06143	8588	(T/C)
36610	CadSNP12205	<i>Desi</i>	Ca_Desig_Scaffold06143	8568	(G/A)
36611	CadSNP12206	<i>Desi</i>	Ca_Desig_Scaffold06143	8555	(C/G)
36612	CadSNP12207	<i>Desi</i>	Ca_Desig_Scaffold06163	1941	(G/C)
36613	CadSNP12208	<i>Desi</i>	Ca_Desig_Scaffold06163	7078	(T/G)
36614	CadSNP12209	<i>Desi</i>	Ca_Desig_Scaffold06163	7210	(C/A)
36615	CadSNP12210	<i>Desi</i>	Ca_Desig_Scaffold06176	1110	(G/C)
36616	CadSNP12211	<i>Desi</i>	Ca_Desig_Scaffold06201	9029	(A/G)
36617	CadSNP12212	<i>Desi</i>	Ca_Desig_Scaffold06201	9035	(A/G)
36618	CadSNP12213	<i>Desi</i>	Ca_Desig_Scaffold06201	9041	(A/G)
36619	CadSNP12214	<i>Desi</i>	Ca_Desig_Scaffold06209	4184	(T/C)
36620	CadSNP12215	<i>Desi</i>	Ca_Desig_Scaffold06209	4160	(T/C)
36621	CadSNP12216	<i>Desi</i>	Ca_Desig_Scaffold06209	4156	(C/A)
36622	CadSNP12217	<i>Desi</i>	Ca_Desig_Scaffold06209	4146	(A/G)
36623	CadSNP12218	<i>Desi</i>	Ca_Desig_Scaffold06222	1873	(G/C)
36624	CadSNP12219	<i>Desi</i>	Ca_Desig_Scaffold06222	1880	(G/A)
36625	CadSNP12220	<i>Desi</i>	Ca_Desig_Scaffold06222	6121	(C/T)
36626	CadSNP12221	<i>Desi</i>	Ca_Desig_Scaffold06222	6208	(C/T)
36627	CadSNP12222	<i>Desi</i>	Ca_Desig_Scaffold06235	3664	(A/C)
36628	CadSNP12223	<i>Desi</i>	Ca_Desig_Scaffold06240	2260	(T/C)
36629	CadSNP12224	<i>Desi</i>	Ca_Desig_Scaffold06240	2258	(A/C)
36630	CadSNP12225	<i>Desi</i>	Ca_Desig_Scaffold06248	6259	(A/T)
36631	CadSNP12226	<i>Desi</i>	Ca_Desig_Scaffold06269	5867	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36632	CadSNP12227	<i>Desi</i>	Ca_Desig_Scaffold06280	3172	(A/C)
36633	CadSNP12228	<i>Desi</i>	Ca_Desig_Scaffold06324	8970	(A/G)
36634	CadSNP12229	<i>Desi</i>	Ca_Desig_Scaffold06342	3299	(G/A)
36635	CadSNP12230	<i>Desi</i>	Ca_Desig_Scaffold06358	5432	(C/T)
36636	CadSNP12231	<i>Desi</i>	Ca_Desig_Scaffold06358	5413	(G/A)
36637	CadSNP12232	<i>Desi</i>	Ca_Desig_Scaffold06358	5419	(T/G)
36638	CadSNP12233	<i>Desi</i>	Ca_Desig_Scaffold06358	5451	(T/A)
36639	CadSNP12234	<i>Desi</i>	Ca_Desig_Scaffold06358	5475	(A/T)
36640	CadSNP12235	<i>Desi</i>	Ca_Desig_Scaffold06360	1010	(G/A)
36641	CadSNP12236	<i>Desi</i>	Ca_Desig_Scaffold06360	996	(C/A)
36642	CadSNP12237	<i>Desi</i>	Ca_Desig_Scaffold06360	971	(A/C)
36643	CadSNP12238	<i>Desi</i>	Ca_Desig_Scaffold06364	8592	(A/C)
36644	CadSNP12239	<i>Desi</i>	Ca_Desig_Scaffold06365	2822	(A/G)
36645	CadSNP12240	<i>Desi</i>	Ca_Desig_Scaffold06426	741	(A/G)
36646	CadSNP12241	<i>Desi</i>	Ca_Desig_Scaffold06426	8220	(C/T)
36647	CadSNP12242	<i>Desi</i>	Ca_Desig_Scaffold06426	8295	(T/C)
36648	CadSNP12243	<i>Desi</i>	Ca_Desig_Scaffold06435	9067	(A/C)
36649	CadSNP12244	<i>Desi</i>	Ca_Desig_Scaffold06439	3947	(T/C)
36650	CadSNP12245	<i>Desi</i>	Ca_Desig_Scaffold06439	3968	(C/T)
36651	CadSNP12246	<i>Desi</i>	Ca_Desig_Scaffold06439	4088	(G/A)
36652	CadSNP12247	<i>Desi</i>	Ca_Desig_Scaffold06439	4071	(G/A)
36653	CadSNP12248	<i>Desi</i>	Ca_Desig_Scaffold06466	6431	(G/T)
36654	CadSNP12249	<i>Desi</i>	Ca_Desig_Scaffold06509	502	(C/T)
36655	CadSNP12250	<i>Desi</i>	Ca_Desig_Scaffold06521	5184	(T/C)
36656	CadSNP12251	<i>Desi</i>	Ca_Desig_Scaffold06546	8886	(C/A)
36657	CadSNP12252	<i>Desi</i>	Ca_Desig_Scaffold06546	8969	(A/C)
36658	CadSNP12253	<i>Desi</i>	Ca_Desig_Scaffold06546	8972	(T/A)
36659	CadSNP12254	<i>Desi</i>	Ca_Desig_Scaffold06548	4204	(G/T)
36660	CadSNP12255	<i>Desi</i>	Ca_Desig_Scaffold06548	4208	(C/T)
36661	CadSNP12256	<i>Desi</i>	Ca_Desig_Scaffold06548	4213	(C/T)
36662	CadSNP12257	<i>Desi</i>	Ca_Desig_Scaffold06548	4233	(T/C)
36663	CadSNP12258	<i>Desi</i>	Ca_Desig_Scaffold06549	286	(T/A)
36664	CadSNP12259	<i>Desi</i>	Ca_Desig_Scaffold06549	347	(A/T)
36665	CadSNP12260	<i>Desi</i>	Ca_Desig_Scaffold06592	3618	(T/C)
36666	CadSNP12261	<i>Desi</i>	Ca_Desig_Scaffold06604	479	(T/C)
36667	CadSNP12262	<i>Desi</i>	Ca_Desig_Scaffold06604	496	(G/A)
36668	CadSNP12263	<i>Desi</i>	Ca_Desig_Scaffold06604	501	(T/C)
36669	CadSNP12264	<i>Desi</i>	Ca_Desig_Scaffold06610	7219	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36670	CadSNP12265	<i>Desi</i>	Ca_Desig_Scaffold06610	7328	(A/G)
36671	CadSNP12266	<i>Desi</i>	Ca_Desig_Scaffold06610	7305	(A/G)
36672	CadSNP12267	<i>Desi</i>	Ca_Desig_Scaffold06698	4668	(A/G)
36673	CadSNP12268	<i>Desi</i>	Ca_Desig_Scaffold06698	4709	(T/A)
36674	CadSNP12269	<i>Desi</i>	Ca_Desig_Scaffold06741	162	(G/A)
36675	CadSNP12270	<i>Desi</i>	Ca_Desig_Scaffold06745	1082	(G/A)
36676	CadSNP12271	<i>Desi</i>	Ca_Desig_Scaffold06745	1098	(G/A)
36677	CadSNP12272	<i>Desi</i>	Ca_Desig_Scaffold06745	1102	(G/A)
36678	CadSNP12273	<i>Desi</i>	Ca_Desig_Scaffold06770	4888	(T/C)
36679	CadSNP12274	<i>Desi</i>	Ca_Desig_Scaffold06790	7992	(T/A)
36680	CadSNP12275	<i>Desi</i>	Ca_Desig_Scaffold06790	7969	(T/C)
36681	CadSNP12276	<i>Desi</i>	Ca_Desig_Scaffold06791	4055	(C/A)
36682	CadSNP12277	<i>Desi</i>	Ca_Desig_Scaffold06814	6373	(G/C)
36683	CadSNP12278	<i>Desi</i>	Ca_Desig_Scaffold06814	6405	(T/A)
36684	CadSNP12279	<i>Desi</i>	Ca_Desig_Scaffold06814	6432	(A/G)
36685	CadSNP12280	<i>Desi</i>	Ca_Desig_Scaffold06822	1484	(A/C)
36686	CadSNP12281	<i>Desi</i>	Ca_Desig_Scaffold06822	1414	(C/A)
36687	CadSNP12282	<i>Desi</i>	Ca_Desig_Scaffold06825	8114	(A/C)
36688	CadSNP12283	<i>Desi</i>	Ca_Desig_Scaffold06850	5137	(T/A)
36689	CadSNP12284	<i>Desi</i>	Ca_Desig_Scaffold06860	4236	(C/T)
36690	CadSNP12285	<i>Desi</i>	Ca_Desig_Scaffold06862	6507	(G/A)
36691	CadSNP12286	<i>Desi</i>	Ca_Desig_Scaffold06903	6487	(A/C)
36692	CadSNP12287	<i>Desi</i>	Ca_Desig_Scaffold06903	6488	(C/A)
36693	CadSNP12288	<i>Desi</i>	Ca_Desig_Scaffold06903	6499	(T/A)
36694	CadSNP12289	<i>Desi</i>	Ca_Desig_Scaffold06903	6893	(T/C)
36695	CadSNP12290	<i>Desi</i>	Ca_Desig_Scaffold06903	6888	(G/T)
36696	CadSNP12291	<i>Desi</i>	Ca_Desig_Scaffold06903	6879	(T/C)
36697	CadSNP12292	<i>Desi</i>	Ca_Desig_Scaffold06903	6863	(A/C)
36698	CadSNP12293	<i>Desi</i>	Ca_Desig_Scaffold06903	6849	(C/T)
36699	CadSNP12294	<i>Desi</i>	Ca_Desig_Scaffold06903	6842	(C/G)
36700	CadSNP12295	<i>Desi</i>	Ca_Desig_Scaffold06911	3650	(C/T)
36701	CadSNP12296	<i>Desi</i>	Ca_Desig_Scaffold06915	7447	(A/G)
36702	CadSNP12297	<i>Desi</i>	Ca_Desig_Scaffold06915	7444	(G/A)
36703	CadSNP12298	<i>Desi</i>	Ca_Desig_Scaffold06915	7441	(C/A)
36704	CadSNP12299	<i>Desi</i>	Ca_Desig_Scaffold06915	7432	(G/A)
36705	CadSNP12300	<i>Desi</i>	Ca_Desig_Scaffold06915	7414	(A/G)
36706	CadSNP12301	<i>Desi</i>	Ca_Desig_Scaffold06915	7413	(A/G)
36707	CadSNP12302	<i>Desi</i>	Ca_Desig_Scaffold06915	7396	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36708	CadSNP12303	<i>Desi</i>	Ca_Desig_Scaffold06915	7531	(C/T)
36709	CadSNP12304	<i>Desi</i>	Ca_Desig_Scaffold06915	7496	(C/T)
36710	CadSNP12305	<i>Desi</i>	Ca_Desig_Scaffold06915	8252	(A/T)
36711	CadSNP12306	<i>Desi</i>	Ca_Desig_Scaffold06926	2881	(C/T)
36712	CadSNP12307	<i>Desi</i>	Ca_Desig_Scaffold06926	2873	(G/T)
36713	CadSNP12308	<i>Desi</i>	Ca_Desig_Scaffold06926	2871	(T/C)
36714	CadSNP12309	<i>Desi</i>	Ca_Desig_Scaffold06934	12851	(A/C)
36715	CadSNP12310	<i>Desi</i>	Ca_Desig_Scaffold06934	12855	(G/C)
36716	CadSNP12311	<i>Desi</i>	Ca_Desig_Scaffold06934	12845	(A/T)
36717	CadSNP12312	<i>Desi</i>	Ca_Desig_Scaffold06934	17160	(A/T)
36718	CadSNP12313	<i>Desi</i>	Ca_Desig_Scaffold06934	17238	(G/T)
36719	CadSNP12314	<i>Desi</i>	Ca_Desig_Scaffold06934	17237	(A/C)
36720	CadSNP12315	<i>Desi</i>	Ca_Desig_Scaffold06934	17234	(G/A)
36721	CadSNP12316	<i>Desi</i>	Ca_Desig_Scaffold06934	17896	(T/A)
36722	CadSNP12317	<i>Desi</i>	Ca_Desig_Scaffold06944	83592	(A/G)
36723	CadSNP12318	<i>Desi</i>	Ca_Desig_Scaffold06944	83621	(A/C)
36724	CadSNP12319	<i>Desi</i>	Ca_Desig_Scaffold06944	87323	(G/A)
36725	CadSNP12320	<i>Desi</i>	Ca_Desig_Scaffold06944	87379	(A/G)
36726	CadSNP12321	<i>Desi</i>	Ca_Desig_Scaffold06944	101623	(C/G)
36727	CadSNP12322	<i>Desi</i>	Ca_Desig_Scaffold06944	102057	(A/G)
36728	CadSNP12323	<i>Desi</i>	Ca_Desig_Scaffold06944	106267	(T/G)
36729	CadSNP12324	<i>Desi</i>	Ca_Desig_Scaffold06944	106308	(G/A)
36730	CadSNP12325	<i>Desi</i>	Ca_Desig_Scaffold06944	151688	(T/G)
36731	CadSNP12326	<i>Desi</i>	Ca_Desig_Scaffold06944	151712	(T/G)
36732	CadSNP12327	<i>Desi</i>	Ca_Desig_Scaffold06944	151718	(C/A)
36733	CadSNP12328	<i>Desi</i>	Ca_Desig_Scaffold06944	195416	(G/T)
36734	CadSNP12329	<i>Desi</i>	Ca_Desig_Scaffold06951	4557	(T/A)
36735	CadSNP12330	<i>Desi</i>	Ca_Desig_Scaffold06951	4662	(C/T)
36736	CadSNP12331	<i>Desi</i>	Ca_Desig_Scaffold06951	4653	(T/A)
36737	CadSNP12332	<i>Desi</i>	Ca_Desig_Scaffold06951	4779	(C/T)
36738	CadSNP12333	<i>Desi</i>	Ca_Desig_Scaffold06951	6915	(T/A)
36739	CadSNP12334	<i>Desi</i>	Ca_Desig_Scaffold06951	6884	(A/T)
36740	CadSNP12335	<i>Desi</i>	Ca_Desig_Scaffold06951	6870	(A/C)
36741	CadSNP12336	<i>Desi</i>	Ca_Desig_Scaffold06978	6755	(G/A)
36742	CadSNP12337	<i>Desi</i>	Ca_Desig_Scaffold06978	6799	(G/A)
36743	CadSNP12338	<i>Desi</i>	Ca_Desig_Scaffold07031	2083	(G/T)
36744	CadSNP12339	<i>Desi</i>	Ca_Desig_Scaffold07031	7605	(T/G)
36745	CadSNP12340	<i>Desi</i>	Ca_Desig_Scaffold07036	1498	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36746	CadSNP12341	<i>Desi</i>	Ca_Desig_Scaffold07036	1489	(A/C)
36747	CadSNP12342	<i>Desi</i>	Ca_Desig_Scaffold07074	2551	(T/G)
36748	CadSNP12343	<i>Desi</i>	Ca_Desig_Scaffold07085	5369	(A/G)
36749	CadSNP12344	<i>Desi</i>	Ca_Desig_Scaffold07126	7736	(T/G)
36750	CadSNP12345	<i>Desi</i>	Ca_Desig_Scaffold07146	43247	(A/T)
36751	CadSNP12346	<i>Desi</i>	Ca_Desig_Scaffold07146	48641	(T/C)
36752	CadSNP12347	<i>Desi</i>	Ca_Desig_Scaffold07146	82920	(G/T)
36753	CadSNP12348	<i>Desi</i>	Ca_Desig_Scaffold07154	6925	(A/C)
36754	CadSNP12349	<i>Desi</i>	Ca_Desig_Scaffold07154	6981	(A/T)
36755	CadSNP12350	<i>Desi</i>	Ca_Desig_Scaffold07154	6983	(T/C)
36756	CadSNP12351	<i>Desi</i>	Ca_Desig_Scaffold07154	6988	(C/T)
36757	CadSNP12352	<i>Desi</i>	Ca_Desig_Scaffold07188	6682	(G/T)
36758	CadSNP12353	<i>Desi</i>	Ca_Desig_Scaffold07205	1464	(C/T)
36759	CadSNP12354	<i>Desi</i>	Ca_Desig_Scaffold07205	1463	(C/A)
36760	CadSNP12355	<i>Desi</i>	Ca_Desig_Scaffold07205	1442	(C/T)
36761	CadSNP12356	<i>Desi</i>	Ca_Desig_Scaffold07205	1435	(A/G)
36762	CadSNP12357	<i>Desi</i>	Ca_Desig_Scaffold07205	1434	(T/C)
36763	CadSNP12358	<i>Desi</i>	Ca_Desig_Scaffold07205	1423	(C/T)
36764	CadSNP12359	<i>Desi</i>	Ca_Desig_Scaffold07208	1175	(T/A)
36765	CadSNP12360	<i>Desi</i>	Ca_Desig_Scaffold07208	1182	(C/G)
36766	CadSNP12361	<i>Desi</i>	Ca_Desig_Scaffold07208	1189	(T/C)
36767	CadSNP12362	<i>Desi</i>	Ca_Desig_Scaffold07208	1190	(T/C)
36768	CadSNP12363	<i>Desi</i>	Ca_Desig_Scaffold07208	1193	(T/G)
36769	CadSNP12364	<i>Desi</i>	Ca_Desig_Scaffold07208	1196	(T/A)
36770	CadSNP12365	<i>Desi</i>	Ca_Desig_Scaffold07208	1199	(G/A)
36771	CadSNP12366	<i>Desi</i>	Ca_Desig_Scaffold07208	1222	(G/T)
36772	CadSNP12367	<i>Desi</i>	Ca_Desig_Scaffold07208	1225	(A/T)
36773	CadSNP12368	<i>Desi</i>	Ca_Desig_Scaffold07208	1234	(G/T)
36774	CadSNP12369	<i>Desi</i>	Ca_Desig_Scaffold07208	1241	(A/G)
36775	CadSNP12370	<i>Desi</i>	Ca_Desig_Scaffold07208	1250	(T/C)
36776	CadSNP12371	<i>Desi</i>	Ca_Desig_Scaffold07271	2725	(T/C)
36777	CadSNP12372	<i>Desi</i>	Ca_Desig_Scaffold07286	423	(G/A)
36778	CadSNP12373	<i>Desi</i>	Ca_Desig_Scaffold07286	426	(A/T)
36779	CadSNP12374	<i>Desi</i>	Ca_Desig_Scaffold07286	429	(T/C)
36780	CadSNP12375	<i>Desi</i>	Ca_Desig_Scaffold07286	434	(A/G)
36781	CadSNP12376	<i>Desi</i>	Ca_Desig_Scaffold07286	576	(G/A)
36782	CadSNP12377	<i>Desi</i>	Ca_Desig_Scaffold07286	573	(T/G)
36783	CadSNP12378	<i>Desi</i>	Ca_Desig_Scaffold07289	928	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36784	CadSNP12379	<i>Desi</i>	Ca_Desig_Scaffold07289	1085	(G/C)
36785	CadSNP12380	<i>Desi</i>	Ca_Desig_Scaffold07289	4309	(G/A)
36786	CadSNP12381	<i>Desi</i>	Ca_Desig_Scaffold07293	5395	(G/T)
36787	CadSNP12382	<i>Desi</i>	Ca_Desig_Scaffold07293	5392	(A/T)
36788	CadSNP12383	<i>Desi</i>	Ca_Desig_Scaffold07293	5439	(A/C)
36789	CadSNP12384	<i>Desi</i>	Ca_Desig_Scaffold07343	1805	(C/T)
36790	CadSNP12385	<i>Desi</i>	Ca_Desig_Scaffold07374	6460	(G/A)
36791	CadSNP12386	<i>Desi</i>	Ca_Desig_Scaffold07379	7720	(C/A)
36792	CadSNP12387	<i>Desi</i>	Ca_Desig_Scaffold07379	7714	(C/A)
36793	CadSNP12388	<i>Desi</i>	Ca_Desig_Scaffold07379	7716	(T/G)
36794	CadSNP12389	<i>Desi</i>	Ca_Desig_Scaffold07379	7722	(A/G)
36795	CadSNP12390	<i>Desi</i>	Ca_Desig_Scaffold07407	3423	(T/A)
36796	CadSNP12391	<i>Desi</i>	Ca_Desig_Scaffold07407	3762	(A/T)
36797	CadSNP12392	<i>Desi</i>	Ca_Desig_Scaffold07423	3095	(C/T)
36798	CadSNP12393	<i>Desi</i>	Ca_Desig_Scaffold07423	3100	(T/G)
36799	CadSNP12394	<i>Desi</i>	Ca_Desig_Scaffold07423	3150	(C/T)
36800	CadSNP12395	<i>Desi</i>	Ca_Desig_Scaffold07423	3251	(T/C)
36801	CadSNP12396	<i>Desi</i>	Ca_Desig_Scaffold07423	3336	(T/C)
36802	CadSNP12397	<i>Desi</i>	Ca_Desig_Scaffold07423	3341	(T/C)
36803	CadSNP12398	<i>Desi</i>	Ca_Desig_Scaffold07423	3342	(A/T)
36804	CadSNP12399	<i>Desi</i>	Ca_Desig_Scaffold07423	3343	(G/C)
36805	CadSNP12400	<i>Desi</i>	Ca_Desig_Scaffold07423	3394	(T/C)
36806	CadSNP12401	<i>Desi</i>	Ca_Desig_Scaffold07427	6992	(C/A)
36807	CadSNP12402	<i>Desi</i>	Ca_Desig_Scaffold07477	6451	(C/A)
36808	CadSNP12403	<i>Desi</i>	Ca_Desig_Scaffold07498	51	(A/G)
36809	CadSNP12404	<i>Desi</i>	Ca_Desig_Scaffold07533	7368	(G/A)
36810	CadSNP12405	<i>Desi</i>	Ca_Desig_Scaffold07533	7370	(G/A)
36811	CadSNP12406	<i>Desi</i>	Ca_Desig_Scaffold07533	7365	(A/G)
36812	CadSNP12407	<i>Desi</i>	Ca_Desig_Scaffold07566	5731	(G/T)
36813	CadSNP12408	<i>Desi</i>	Ca_Desig_Scaffold07577	4158	(C/T)
36814	CadSNP12409	<i>Desi</i>	Ca_Desig_Scaffold07577	4187	(C/T)
36815	CadSNP12410	<i>Desi</i>	Ca_Desig_Scaffold07577	4180	(T/G)
36816	CadSNP12411	<i>Desi</i>	Ca_Desig_Scaffold07586	3408	(A/T)
36817	CadSNP12412	<i>Desi</i>	Ca_Desig_Scaffold07590	2694	(A/C)
36818	CadSNP12413	<i>Desi</i>	Ca_Desig_Scaffold07633	6829	(G/T)
36819	CadSNP12414	<i>Desi</i>	Ca_Desig_Scaffold07636	7292	(G/A)
36820	CadSNP12415	<i>Desi</i>	Ca_Desig_Scaffold07667	440	(T/C)
36821	CadSNP12416	<i>Desi</i>	Ca_Desig_Scaffold07676	4781	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36822	CadSNP12417	<i>Desi</i>	Ca_Desig_Scaffold07676	4799	(A/G)
36823	CadSNP12418	<i>Desi</i>	Ca_Desig_Scaffold07686	4327	(C/T)
36824	CadSNP12419	<i>Desi</i>	Ca_Desig_Scaffold07686	4284	(G/T)
36825	CadSNP12420	<i>Desi</i>	Ca_Desig_Scaffold07686	4316	(G/A)
36826	CadSNP12421	<i>Desi</i>	Ca_Desig_Scaffold07723	6053	(A/C)
36827	CadSNP12422	<i>Desi</i>	Ca_Desig_Scaffold07751	3844	(T/C)
36828	CadSNP12423	<i>Desi</i>	Ca_Desig_Scaffold07751	3900	(G/T)
36829	CadSNP12424	<i>Desi</i>	Ca_Desig_Scaffold07800	3612	(G/C)
36830	CadSNP12425	<i>Desi</i>	Ca_Desig_Scaffold07800	4259	(C/A)
36831	CadSNP12426	<i>Desi</i>	Ca_Desig_Scaffold07800	4263	(C/T)
36832	CadSNP12427	<i>Desi</i>	Ca_Desig_Scaffold07800	6059	(T/C)
36833	CadSNP12428	<i>Desi</i>	Ca_Desig_Scaffold07803	63	(T/C)
36834	CadSNP12429	<i>Desi</i>	Ca_Desig_Scaffold07827	4837	(G/A)
36835	CadSNP12430	<i>Desi</i>	Ca_Desig_Scaffold07828	6233	(T/C)
36836	CadSNP12431	<i>Desi</i>	Ca_Desig_Scaffold07828	6357	(T/G)
36837	CadSNP12432	<i>Desi</i>	Ca_Desig_Scaffold07828	6379	(T/G)
36838	CadSNP12433	<i>Desi</i>	Ca_Desig_Scaffold07839	4890	(G/A)
36839	CadSNP12434	<i>Desi</i>	Ca_Desig_Scaffold07839	4887	(G/T)
36840	CadSNP12435	<i>Desi</i>	Ca_Desig_Scaffold07855	4022	(T/C)
36841	CadSNP12436	<i>Desi</i>	Ca_Desig_Scaffold07877	2091	(G/A)
36842	CadSNP12437	<i>Desi</i>	Ca_Desig_Scaffold07887	1497	(G/A)
36843	CadSNP12438	<i>Desi</i>	Ca_Desig_Scaffold07887	1483	(A/C)
36844	CadSNP12439	<i>Desi</i>	Ca_Desig_Scaffold07915	65603	(G/A)
36845	CadSNP12440	<i>Desi</i>	Ca_Desig_Scaffold07925	4182	(C/T)
36846	CadSNP12441	<i>Desi</i>	Ca_Desig_Scaffold07925	4457	(G/A)
36847	CadSNP12442	<i>Desi</i>	Ca_Desig_Scaffold07925	4532	(G/A)
36848	CadSNP12443	<i>Desi</i>	Ca_Desig_Scaffold07950	6976	(G/A)
36849	CadSNP12444	<i>Desi</i>	Ca_Desig_Scaffold07964	769	(T/C)
36850	CadSNP12445	<i>Desi</i>	Ca_Desig_Scaffold07964	764	(G/A)
36851	CadSNP12446	<i>Desi</i>	Ca_Desig_Scaffold07964	759	(T/G)
36852	CadSNP12447	<i>Desi</i>	Ca_Desig_Scaffold07964	758	(T/A)
36853	CadSNP12448	<i>Desi</i>	Ca_Desig_Scaffold07964	731	(A/C)
36854	CadSNP12449	<i>Desi</i>	Ca_Desig_Scaffold07964	801	(C/A)
36855	CadSNP12450	<i>Desi</i>	Ca_Desig_Scaffold07964	807	(C/T)
36856	CadSNP12451	<i>Desi</i>	Ca_Desig_Scaffold07964	800	(G/C)
36857	CadSNP12452	<i>Desi</i>	Ca_Desig_Scaffold07964	775	(C/T)
36858	CadSNP12453	<i>Desi</i>	Ca_Desig_Scaffold07974	1446	(T/C)
36859	CadSNP12454	<i>Desi</i>	Ca_Desig_Scaffold07994	2023	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36860	CadSNP12455	<i>Desi</i>	Ca_Desig_Scaffold07994	2189	(T/G)
36861	CadSNP12456	<i>Desi</i>	Ca_Desig_Scaffold07994	5349	(T/C)
36862	CadSNP12457	<i>Desi</i>	Ca_Desig_Scaffold08005	1683	(G/A)
36863	CadSNP12458	<i>Desi</i>	Ca_Desig_Scaffold08052	2538	(G/A)
36864	CadSNP12459	<i>Desi</i>	Ca_Desig_Scaffold08052	5210	(T/C)
36865	CadSNP12460	<i>Desi</i>	Ca_Desig_Scaffold08052	5240	(G/A)
36866	CadSNP12461	<i>Desi</i>	Ca_Desig_Scaffold08052	5287	(G/A)
36867	CadSNP12462	<i>Desi</i>	Ca_Desig_Scaffold08074	3980	(G/A)
36868	CadSNP12463	<i>Desi</i>	Ca_Desig_Scaffold08102	1240	(T/A)
36869	CadSNP12464	<i>Desi</i>	Ca_Desig_Scaffold08102	1242	(T/G)
36870	CadSNP12465	<i>Desi</i>	Ca_Desig_Scaffold08102	1247	(G/A)
36871	CadSNP12466	<i>Desi</i>	Ca_Desig_Scaffold08176	3576	(G/C)
36872	CadSNP12467	<i>Desi</i>	Ca_Desig_Scaffold08199	308	(A/C)
36873	CadSNP12468	<i>Desi</i>	Ca_Desig_Scaffold08229	119	(G/A)
36874	CadSNP12469	<i>Desi</i>	Ca_Desig_Scaffold08229	120	(C/T)
36875	CadSNP12470	<i>Desi</i>	Ca_Desig_Scaffold08229	134	(A/G)
36876	CadSNP12471	<i>Desi</i>	Ca_Desig_Scaffold08229	157	(T/C)
36877	CadSNP12472	<i>Desi</i>	Ca_Desig_Scaffold08230	6531	(A/C)
36878	CadSNP12473	<i>Desi</i>	Ca_Desig_Scaffold08230	6617	(T/G)
36879	CadSNP12474	<i>Desi</i>	Ca_Desig_Scaffold08230	6619	(T/C)
36880	CadSNP12475	<i>Desi</i>	Ca_Desig_Scaffold08249	5640	(T/C)
36881	CadSNP12476	<i>Desi</i>	Ca_Desig_Scaffold08257	4575	(T/C)
36882	CadSNP12477	<i>Desi</i>	Ca_Desig_Scaffold08257	4722	(T/C)
36883	CadSNP12478	<i>Desi</i>	Ca_Desig_Scaffold08272	303	(G/C)
36884	CadSNP12479	<i>Desi</i>	Ca_Desig_Scaffold08272	366	(A/G)
36885	CadSNP12480	<i>Desi</i>	Ca_Desig_Scaffold08302	2787	(A/C)
36886	CadSNP12481	<i>Desi</i>	Ca_Desig_Scaffold08302	2846	(C/T)
36887	CadSNP12482	<i>Desi</i>	Ca_Desig_Scaffold08302	2863	(A/C)
36888	CadSNP12483	<i>Desi</i>	Ca_Desig_Scaffold08306	4999	(T/C)
36889	CadSNP12484	<i>Desi</i>	Ca_Desig_Scaffold08306	5964	(G/A)
36890	CadSNP12485	<i>Desi</i>	Ca_Desig_Scaffold08319	62365	(C/A)
36891	CadSNP12486	<i>Desi</i>	Ca_Desig_Scaffold08319	64314	(A/G)
36892	CadSNP12487	<i>Desi</i>	Ca_Desig_Scaffold08319	64371	(G/A)
36893	CadSNP12488	<i>Desi</i>	Ca_Desig_Scaffold08344	249	(G/A)
36894	CadSNP12489	<i>Desi</i>	Ca_Desig_Scaffold08344	282	(C/T)
36895	CadSNP12490	<i>Desi</i>	Ca_Desig_Scaffold08344	318	(G/A)
36896	CadSNP12491	<i>Desi</i>	Ca_Desig_Scaffold08344	329	(G/A)
36897	CadSNP12492	<i>Desi</i>	Ca_Desig_Scaffold08364	5741	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36898	CadSNP12493	<i>Desi</i>	Ca_Desig_Scaffold08417	5497	(C/T)
36899	CadSNP12494	<i>Desi</i>	Ca_Desig_Scaffold08417	5632	(G/C)
36900	CadSNP12495	<i>Desi</i>	Ca_Desig_Scaffold08417	5583	(A/G)
36901	CadSNP12496	<i>Desi</i>	Ca_Desig_Scaffold08417	5694	(T/A)
36902	CadSNP12497	<i>Desi</i>	Ca_Desig_Scaffold08418	792	(T/C)
36903	CadSNP12498	<i>Desi</i>	Ca_Desig_Scaffold08418	788	(G/A)
36904	CadSNP12499	<i>Desi</i>	Ca_Desig_Scaffold08418	886	(T/G)
36905	CadSNP12500	<i>Desi</i>	Ca_Desig_Scaffold08418	890	(C/G)
36906	CadSNP12501	<i>Desi</i>	Ca_Desig_Scaffold08434	3567	(C/T)
36907	CadSNP12502	<i>Desi</i>	Ca_Desig_Scaffold08555	4773	(A/G)
36908	CadSNP12503	<i>Desi</i>	Ca_Desig_Scaffold08555	4741	(A/T)
36909	CadSNP12504	<i>Desi</i>	Ca_Desig_Scaffold08555	4733	(C/G)
36910	CadSNP12505	<i>Desi</i>	Ca_Desig_Scaffold08555	4731	(A/T)
36911	CadSNP12506	<i>Desi</i>	Ca_Desig_Scaffold08555	4728	(G/T)
36912	CadSNP12507	<i>Desi</i>	Ca_Desig_Scaffold08555	4721	(G/T)
36913	CadSNP12508	<i>Desi</i>	Ca_Desig_Scaffold08555	4720	(G/A)
36914	CadSNP12509	<i>Desi</i>	Ca_Desig_Scaffold08555	4710	(T/A)
36915	CadSNP12510	<i>Desi</i>	Ca_Desig_Scaffold08557	92	(T/C)
36916	CadSNP12511	<i>Desi</i>	Ca_Desig_Scaffold08557	133	(G/A)
36917	CadSNP12512	<i>Desi</i>	Ca_Desig_Scaffold08572	4864	(C/G)
36918	CadSNP12513	<i>Desi</i>	Ca_Desig_Scaffold08578	163	(C/A)
36919	CadSNP12514	<i>Desi</i>	Ca_Desig_Scaffold08578	174	(A/G)
36920	CadSNP12515	<i>Desi</i>	Ca_Desig_Scaffold08578	181	(A/G)
36921	CadSNP12516	<i>Desi</i>	Ca_Desig_Scaffold08594	2021	(T/C)
36922	CadSNP12517	<i>Desi</i>	Ca_Desig_Scaffold08594	3271	(G/A)
36923	CadSNP12518	<i>Desi</i>	Ca_Desig_Scaffold08627	2861	(A/G)
36924	CadSNP12519	<i>Desi</i>	Ca_Desig_Scaffold08636	4056	(A/G)
36925	CadSNP12520	<i>Desi</i>	Ca_Desig_Scaffold08636	4306	(T/C)
36926	CadSNP12521	<i>Desi</i>	Ca_Desig_Scaffold08685	3908	(T/A)
36927	CadSNP12522	<i>Desi</i>	Ca_Desig_Scaffold08695	4329	(C/A)
36928	CadSNP12523	<i>Desi</i>	Ca_Desig_Scaffold08723	4797	(C/A)
36929	CadSNP12524	<i>Desi</i>	Ca_Desig_Scaffold08723	4743	(A/C)
36930	CadSNP12525	<i>Desi</i>	Ca_Desig_Scaffold08805	1841	(T/G)
36931	CadSNP12526	<i>Desi</i>	Ca_Desig_Scaffold08806	1931	(T/C)
36932	CadSNP12527	<i>Desi</i>	Ca_Desig_Scaffold08826	5785	(G/A)
36933	CadSNP12528	<i>Desi</i>	Ca_Desig_Scaffold08826	5784	(C/A)
36934	CadSNP12529	<i>Desi</i>	Ca_Desig_Scaffold08826	5778	(C/A)
36935	CadSNP12530	<i>Desi</i>	Ca_Desig_Scaffold08826	5748	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36936	CadSNP12531	<i>Desi</i>	Ca_Desig_Scaffold08826	5726	(T/A)
36937	CadSNP12532	<i>Desi</i>	Ca_Desig_Scaffold08872	3778	(C/T)
36938	CadSNP12533	<i>Desi</i>	Ca_Desig_Scaffold08916	4278	(T/C)
36939	CadSNP12534	<i>Desi</i>	Ca_Desig_Scaffold08920	2388	(A/G)
36940	CadSNP12535	<i>Desi</i>	Ca_Desig_Scaffold08927	880	(A/T)
36941	CadSNP12536	<i>Desi</i>	Ca_Desig_Scaffold08937	3478	(T/A)
36942	CadSNP12537	<i>Desi</i>	Ca_Desig_Scaffold08953	2495	(A/C)
36943	CadSNP12538	<i>Desi</i>	Ca_Desig_Scaffold08987	3969	(T/C)
36944	CadSNP12539	<i>Desi</i>	Ca_Desig_Scaffold08987	4169	(T/G)
36945	CadSNP12540	<i>Desi</i>	Ca_Desig_Scaffold09043	1466	(C/T)
36946	CadSNP12541	<i>Desi</i>	Ca_Desig_Scaffold09043	1499	(T/C)
36947	CadSNP12542	<i>Desi</i>	Ca_Desig_Scaffold09073	1884	(T/C)
36948	CadSNP12543	<i>Desi</i>	Ca_Desig_Scaffold09086	5831	(A/G)
36949	CadSNP12544	<i>Desi</i>	Ca_Desig_Scaffold09086	5815	(C/T)
36950	CadSNP12545	<i>Desi</i>	Ca_Desig_Scaffold09086	5804	(T/G)
36951	CadSNP12546	<i>Desi</i>	Ca_Desig_Scaffold09086	5793	(A/G)
36952	CadSNP12547	<i>Desi</i>	Ca_Desig_Scaffold09086	5791	(T/A)
36953	CadSNP12548	<i>Desi</i>	Ca_Desig_Scaffold09097	2032	(G/A)
36954	CadSNP12549	<i>Desi</i>	Ca_Desig_Scaffold09097	2097	(G/T)
36955	CadSNP12550	<i>Desi</i>	Ca_Desig_Scaffold09108	2564	(T/C)
36956	CadSNP12551	<i>Desi</i>	Ca_Desig_Scaffold09127	2298	(G/A)
36957	CadSNP12552	<i>Desi</i>	Ca_Desig_Scaffold09127	2481	(A/C)
36958	CadSNP12553	<i>Desi</i>	Ca_Desig_Scaffold09127	2457	(G/A)
36959	CadSNP12554	<i>Desi</i>	Ca_Desig_Scaffold09239	2438	(C/A)
36960	CadSNP12555	<i>Desi</i>	Ca_Desig_Scaffold09239	2494	(G/C)
36961	CadSNP12556	<i>Desi</i>	Ca_Desig_Scaffold09239	2738	(A/G)
36962	CadSNP12557	<i>Desi</i>	Ca_Desig_Scaffold09239	2824	(C/T)
36963	CadSNP12558	<i>Desi</i>	Ca_Desig_Scaffold09246	2927	(C/G)
36964	CadSNP12559	<i>Desi</i>	Ca_Desig_Scaffold09257	1647	(T/G)
36965	CadSNP12560	<i>Desi</i>	Ca_Desig_Scaffold09279	4408	(G/T)
36966	CadSNP12561	<i>Desi</i>	Ca_Desig_Scaffold09334	2026	(C/G)
36967	CadSNP12562	<i>Desi</i>	Ca_Desig_Scaffold09348	21159	(T/C)
36968	CadSNP12563	<i>Desi</i>	Ca_Desig_Scaffold09348	21173	(G/A)
36969	CadSNP12564	<i>Desi</i>	Ca_Desig_Scaffold09348	21184	(T/C)
36970	CadSNP12565	<i>Desi</i>	Ca_Desig_Scaffold09348	21203	(C/T)
36971	CadSNP12566	<i>Desi</i>	Ca_Desig_Scaffold09402	1526	(A/G)
36972	CadSNP12567	<i>Desi</i>	Ca_Desig_Scaffold09402	1543	(C/G)
36973	CadSNP12568	<i>Desi</i>	Ca_Desig_Scaffold09425	1934	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
36974	CadSNP12569	<i>Desi</i>	Ca_Desig_Scaffold09445	190	(A/G)
36975	CadSNP12570	<i>Desi</i>	Ca_Desig_Scaffold09621	1607	(T/G)
36976	CadSNP12571	<i>Desi</i>	Ca_Desig_Scaffold09624	993	(C/A)
36977	CadSNP12572	<i>Desi</i>	Ca_Desig_Scaffold09624	1016	(A/T)
36978	CadSNP12573	<i>Desi</i>	Ca_Desig_Scaffold09624	1112	(A/G)
36979	CadSNP12574	<i>Desi</i>	Ca_Desig_Scaffold09624	1077	(T/C)
36980	CadSNP12575	<i>Desi</i>	Ca_Desig_Scaffold09624	1070	(G/C)
36981	CadSNP12576	<i>Desi</i>	Ca_Desig_Scaffold09624	1060	(G/A)
36982	CadSNP12577	<i>Desi</i>	Ca_Desig_Scaffold09624	1054	(A/G)
36983	CadSNP12578	<i>Desi</i>	Ca_Desig_Scaffold09624	1053	(C/T)
36984	CadSNP12579	<i>Desi</i>	Ca_Desig_Scaffold09641	2660	(A/T)
36985	CadSNP12580	<i>Desi</i>	Ca_Desig_Scaffold09641	2663	(A/G)
36986	CadSNP12581	<i>Desi</i>	Ca_Desig_Scaffold09641	2665	(G/A)
36987	CadSNP12582	<i>Desi</i>	Ca_Desig_Scaffold09641	2666	(A/G)
36988	CadSNP12583	<i>Desi</i>	Ca_Desig_Scaffold09641	2673	(T/A)
36989	CadSNP12584	<i>Desi</i>	Ca_Desig_Scaffold09641	2675	(T/G)
36990	CadSNP12585	<i>Desi</i>	Ca_Desig_Scaffold09641	2676	(C/G)
36991	CadSNP12586	<i>Desi</i>	Ca_Desig_Scaffold09641	2685	(A/T)
36992	CadSNP12587	<i>Desi</i>	Ca_Desig_Scaffold09641	2705	(C/T)
36993	CadSNP12588	<i>Desi</i>	Ca_Desig_Scaffold09641	2726	(C/A)
36994	CadSNP12589	<i>Desi</i>	Ca_Desig_Scaffold09641	2727	(G/T)
36995	CadSNP12590	<i>Desi</i>	Ca_Desig_Scaffold09641	2729	(A/T)
36996	CadSNP12591	<i>Desi</i>	Ca_Desig_Scaffold09641	2731	(C/A)
36997	CadSNP12592	<i>Desi</i>	Ca_Desig_Scaffold09641	2732	(A/T)
36998	CadSNP12593	<i>Desi</i>	Ca_Desig_Scaffold09641	2757	(C/T)
36999	CadSNP12594	<i>Desi</i>	Ca_Desig_Scaffold09699	852	(C/T)
37000	CadSNP12595	<i>Desi</i>	Ca_Desig_Scaffold09699	857	(A/G)
37001	CadSNP12596	<i>Desi</i>	Ca_Desig_Scaffold09699	878	(C/T)
37002	CadSNP12597	<i>Desi</i>	Ca_Desig_Scaffold09699	966	(G/A)
37003	CadSNP12598	<i>Desi</i>	Ca_Desig_Scaffold09780	1661	(A/C)
37004	CadSNP12599	<i>Desi</i>	Ca_Desig_Scaffold09802	1910	(A/T)
37005	CadSNP12600	<i>Desi</i>	Ca_Desig_Scaffold09802	1913	(C/T)
37006	CadSNP12601	<i>Desi</i>	Ca_Desig_Scaffold09892	17233	(A/C)
37007	CadSNP12602	<i>Desi</i>	Ca_Desig_Scaffold09892	56292	(C/G)
37008	CadSNP12603	<i>Desi</i>	Ca_Desig_Scaffold09909	4000	(T/A)
37009	CadSNP12604	<i>Desi</i>	Ca_Desig_Scaffold09951	412	(C/T)
37010	CadSNP12605	<i>Desi</i>	Ca_Desig_Scaffold09951	422	(C/A)
37011	CadSNP12606	<i>Desi</i>	Ca_Desig_Scaffold09951	431	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37012	CadSNP12607	<i>Desi</i>	Ca_Desig_Scaffold09951	433	(T/A)
37013	CadSNP12608	<i>Desi</i>	Ca_Desig_Scaffold09962	701	(A/G)
37014	CadSNP12609	<i>Desi</i>	Ca_Desig_Scaffold09962	686	(T/A)
37015	CadSNP12610	<i>Desi</i>	Ca_Desig_Scaffold09962	675	(C/G)
37016	CadSNP12611	<i>Desi</i>	Ca_Desig_Scaffold09991	1312	(G/T)
37017	CadSNP12612	<i>Desi</i>	Ca_Desig_Scaffold09991	1318	(G/A)
37018	CadSNP12613	<i>Desi</i>	Ca_Desig_Scaffold09991	1322	(A/G)
37019	CadSNP12614	<i>Desi</i>	Ca_Desig_Scaffold09991	1333	(C/T)
37020	CadSNP12615	<i>Desi</i>	Ca_Desig_Scaffold09991	1459	(C/G)
37021	CadSNP12616	<i>Desi</i>	Ca_Desig_Scaffold100097	108	(A/G)
37022	CadSNP12617	<i>Desi</i>	Ca_Desig_Scaffold100097	116	(T/C)
37023	CadSNP12618	<i>Desi</i>	Ca_Desig_Scaffold10015	387	(C/A)
37024	CadSNP12619	<i>Desi</i>	Ca_Desig_Scaffold10015	390	(A/C)
37025	CadSNP12620	<i>Desi</i>	Ca_Desig_Scaffold10015	3796	(T/A)
37026	CadSNP12621	<i>Desi</i>	Ca_Desig_Scaffold100168	53	(C/T)
37027	CadSNP12622	<i>Desi</i>	Ca_Desig_Scaffold100176	114	(C/T)
37028	CadSNP12623	<i>Desi</i>	Ca_Desig_Scaffold100176	103	(T/A)
37029	CadSNP12624	<i>Desi</i>	Ca_Desig_Scaffold100176	139	(C/T)
37030	CadSNP12625	<i>Desi</i>	Ca_Desig_Scaffold100176	136	(A/T)
37031	CadSNP12626	<i>Desi</i>	Ca_Desig_Scaffold10040	3332	(C/G)
37032	CadSNP12627	<i>Desi</i>	Ca_Desig_Scaffold10040	3380	(G/A)
37033	CadSNP12628	<i>Desi</i>	Ca_Desig_Scaffold10040	3536	(C/T)
37034	CadSNP12629	<i>Desi</i>	Ca_Desig_Scaffold10040	3483	(G/C)
37035	CadSNP12630	<i>Desi</i>	Ca_Desig_Scaffold10040	3535	(G/A)
37036	CadSNP12631	<i>Desi</i>	Ca_Desig_Scaffold10040	3643	(C/T)
37037	CadSNP12632	<i>Desi</i>	Ca_Desig_Scaffold10040	3627	(T/C)
37038	CadSNP12633	<i>Desi</i>	Ca_Desig_Scaffold10040	3695	(C/T)
37039	CadSNP12634	<i>Desi</i>	Ca_Desig_Scaffold10040	3624	(A/C)
37040	CadSNP12635	<i>Desi</i>	Ca_Desig_Scaffold10040	3621	(C/T)
37041	CadSNP12636	<i>Desi</i>	Ca_Desig_Scaffold10040	3713	(G/T)
37042	CadSNP12637	<i>Desi</i>	Ca_Desig_Scaffold10040	3714	(T/C)
37043	CadSNP12638	<i>Desi</i>	Ca_Desig_Scaffold10040	3746	(G/T)
37044	CadSNP12639	<i>Desi</i>	Ca_Desig_Scaffold100476	269	(C/T)
37045	CadSNP12640	<i>Desi</i>	Ca_Desig_Scaffold100476	272	(G/A)
37046	CadSNP12641	<i>Desi</i>	Ca_Desig_Scaffold10069	2142	(A/C)
37047	CadSNP12642	<i>Desi</i>	Ca_Desig_Scaffold10069	2283	(C/T)
37048	CadSNP12643	<i>Desi</i>	Ca_Desig_Scaffold10069	2279	(C/T)
37049	CadSNP12644	<i>Desi</i>	Ca_Desig_Scaffold10069	2273	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37050	CadSNP12645	<i>Desi</i>	Ca_Desig_Scaffold10069	2266	(A/C)
37051	CadSNP12646	<i>Desi</i>	Ca_Desig_Scaffold10069	2263	(A/C)
37052	CadSNP12647	<i>Desi</i>	Ca_Desig_Scaffold10083	3774	(T/C)
37053	CadSNP12648	<i>Desi</i>	Ca_Desig_Scaffold10083	3720	(T/A)
37054	CadSNP12649	<i>Desi</i>	Ca_Desig_Scaffold10083	4934	(T/C)
37055	CadSNP12650	<i>Desi</i>	Ca_Desig_Scaffold10083	4938	(T/A)
37056	CadSNP12651	<i>Desi</i>	Ca_Desig_Scaffold10083	4966	(G/T)
37057	CadSNP12652	<i>Desi</i>	Ca_Desig_Scaffold100990	255	(G/A)
37058	CadSNP12653	<i>Desi</i>	Ca_Desig_Scaffold100990	258	(G/A)
37059	CadSNP12654	<i>Desi</i>	Ca_Desig_Scaffold100990	314	(A/T)
37060	CadSNP12655	<i>Desi</i>	Ca_Desig_Scaffold10109	909	(C/G)
37061	CadSNP12656	<i>Desi</i>	Ca_Desig_Scaffold10127	839	(C/T)
37062	CadSNP12657	<i>Desi</i>	Ca_Desig_Scaffold10127	1109	(T/C)
37063	CadSNP12658	<i>Desi</i>	Ca_Desig_Scaffold10127	1150	(A/G)
37064	CadSNP12659	<i>Desi</i>	Ca_Desig_Scaffold10127	1198	(A/T)
37065	CadSNP12660	<i>Desi</i>	Ca_Desig_Scaffold10127	1181	(C/A)
37066	CadSNP12661	<i>Desi</i>	Ca_Desig_Scaffold10127	3926	(C/G)
37067	CadSNP12662	<i>Desi</i>	Ca_Desig_Scaffold10127	3918	(C/T)
37068	CadSNP12663	<i>Desi</i>	Ca_Desig_Scaffold10127	3878	(G/C)
37069	CadSNP12664	<i>Desi</i>	Ca_Desig_Scaffold101318	144	(G/T)
37070	CadSNP12665	<i>Desi</i>	Ca_Desig_Scaffold101318	145	(G/T)
37071	CadSNP12666	<i>Desi</i>	Ca_Desig_Scaffold101833	291	(C/A)
37072	CadSNP12667	<i>Desi</i>	Ca_Desig_Scaffold101833	263	(T/A)
37073	CadSNP12668	<i>Desi</i>	Ca_Desig_Scaffold101833	238	(C/T)
37074	CadSNP12669	<i>Desi</i>	Ca_Desig_Scaffold10187	2417	(A/T)
37075	CadSNP12670	<i>Desi</i>	Ca_Desig_Scaffold10187	2460	(A/T)
37076	CadSNP12671	<i>Desi</i>	Ca_Desig_Scaffold10195	344	(A/T)
37077	CadSNP12672	<i>Desi</i>	Ca_Desig_Scaffold102084	56	(A/T)
37078	CadSNP12673	<i>Desi</i>	Ca_Desig_Scaffold102084	152	(T/G)
37079	CadSNP12674	<i>Desi</i>	Ca_Desig_Scaffold102084	112	(C/A)
37080	CadSNP12675	<i>Desi</i>	Ca_Desig_Scaffold102084	98	(T/C)
37081	CadSNP12676	<i>Desi</i>	Ca_Desig_Scaffold102122	230	(C/T)
37082	CadSNP12677	<i>Desi</i>	Ca_Desig_Scaffold102122	307	(C/T)
37083	CadSNP12678	<i>Desi</i>	Ca_Desig_Scaffold10228	3405	(T/A)
37084	CadSNP12679	<i>Desi</i>	Ca_Desig_Scaffold10235	184	(A/G)
37085	CadSNP12680	<i>Desi</i>	Ca_Desig_Scaffold10235	148	(T/A)
37086	CadSNP12681	<i>Desi</i>	Ca_Desig_Scaffold102938	67	(G/T)
37087	CadSNP12682	<i>Desi</i>	Ca_Desig_Scaffold102938	84	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37088	CadSNP12683	<i>Desi</i>	Ca_Desig_Scaffold10300	4074	(C/T)
37089	CadSNP12684	<i>Desi</i>	Ca_Desig_Scaffold10354	692	(G/A)
37090	CadSNP12685	<i>Desi</i>	Ca_Desig_Scaffold103635	34	(G/C)
37091	CadSNP12686	<i>Desi</i>	Ca_Desig_Scaffold103635	36	(C/A)
37092	CadSNP12687	<i>Desi</i>	Ca_Desig_Scaffold103635	39	(C/T)
37093	CadSNP12688	<i>Desi</i>	Ca_Desig_Scaffold103635	41	(C/T)
37094	CadSNP12689	<i>Desi</i>	Ca_Desig_Scaffold103635	35	(G/C)
37095	CadSNP12690	<i>Desi</i>	Ca_Desig_Scaffold103638	232	(T/C)
37096	CadSNP12691	<i>Desi</i>	Ca_Desig_Scaffold103638	214	(C/T)
37097	CadSNP12692	<i>Desi</i>	Ca_Desig_Scaffold10366	356	(T/C)
37098	CadSNP12693	<i>Desi</i>	Ca_Desig_Scaffold10388	410	(T/A)
37099	CadSNP12694	<i>Desi</i>	Ca_Desig_Scaffold10388	1019	(T/A)
37100	CadSNP12695	<i>Desi</i>	Ca_Desig_Scaffold10392	4001	(A/T)
37101	CadSNP12696	<i>Desi</i>	Ca_Desig_Scaffold10392	4035	(T/G)
37102	CadSNP12697	<i>Desi</i>	Ca_Desig_Scaffold10419	1084	(G/C)
37103	CadSNP12698	<i>Desi</i>	Ca_Desig_Scaffold104723	176	(T/C)
37104	CadSNP12699	<i>Desi</i>	Ca_Desig_Scaffold104723	188	(C/A)
37105	CadSNP12700	<i>Desi</i>	Ca_Desig_Scaffold104723	198	(G/T)
37106	CadSNP12701	<i>Desi</i>	Ca_Desig_Scaffold104723	225	(T/C)
37107	CadSNP12702	<i>Desi</i>	Ca_Desig_Scaffold104723	235	(C/T)
37108	CadSNP12703	<i>Desi</i>	Ca_Desig_Scaffold104723	256	(G/T)
37109	CadSNP12704	<i>Desi</i>	Ca_Desig_Scaffold104723	261	(C/T)
37110	CadSNP12705	<i>Desi</i>	Ca_Desig_Scaffold104723	274	(A/T)
37111	CadSNP12706	<i>Desi</i>	Ca_Desig_Scaffold104723	283	(C/T)
37112	CadSNP12707	<i>Desi</i>	Ca_Desig_Scaffold104779	62	(C/T)
37113	CadSNP12708	<i>Desi</i>	Ca_Desig_Scaffold10503	3164	(G/C)
37114	CadSNP12709	<i>Desi</i>	Ca_Desig_Scaffold105070	304	(C/T)
37115	CadSNP12710	<i>Desi</i>	Ca_Desig_Scaffold10546	4141	(C/T)
37116	CadSNP12711	<i>Desi</i>	Ca_Desig_Scaffold10567	2578	(A/G)
37117	CadSNP12712	<i>Desi</i>	Ca_Desig_Scaffold10567	2602	(C/T)
37118	CadSNP12713	<i>Desi</i>	Ca_Desig_Scaffold10576	3757	(G/T)
37119	CadSNP12714	<i>Desi</i>	Ca_Desig_Scaffold10576	3761	(G/C)
37120	CadSNP12715	<i>Desi</i>	Ca_Desig_Scaffold10576	3782	(G/T)
37121	CadSNP12716	<i>Desi</i>	Ca_Desig_Scaffold10576	3801	(G/A)
37122	CadSNP12717	<i>Desi</i>	Ca_Desig_Scaffold10576	3811	(G/A)
37123	CadSNP12718	<i>Desi</i>	Ca_Desig_Scaffold10604	657	(C/T)
37124	CadSNP12719	<i>Desi</i>	Ca_Desig_Scaffold10652	3024	(G/A)
37125	CadSNP12720	<i>Desi</i>	Ca_Desig_Scaffold10706	4502	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37126	CadSNP12721	<i>Desi</i>	Ca_Desig_Scaffold107303	345	(T/C)
37127	CadSNP12722	<i>Desi</i>	Ca_Desig_Scaffold107303	275	(T/A)
37128	CadSNP12723	<i>Desi</i>	Ca_Desig_Scaffold10731	1257	(C/T)
37129	CadSNP12724	<i>Desi</i>	Ca_Desig_Scaffold10732	376	(G/A)
37130	CadSNP12725	<i>Desi</i>	Ca_Desig_Scaffold10732	424	(A/C)
37131	CadSNP12726	<i>Desi</i>	Ca_Desig_Scaffold107521	132	(G/T)
37132	CadSNP12727	<i>Desi</i>	Ca_Desig_Scaffold107521	143	(C/G)
37133	CadSNP12728	<i>Desi</i>	Ca_Desig_Scaffold107521	166	(C/T)
37134	CadSNP12729	<i>Desi</i>	Ca_Desig_Scaffold107521	203	(C/T)
37135	CadSNP12730	<i>Desi</i>	Ca_Desig_Scaffold107521	208	(G/C)
37136	CadSNP12731	<i>Desi</i>	Ca_Desig_Scaffold107521	206	(G/A)
37137	CadSNP12732	<i>Desi</i>	Ca_Desig_Scaffold107867	86	(T/A)
37138	CadSNP12733	<i>Desi</i>	Ca_Desig_Scaffold107867	82	(C/T)
37139	CadSNP12734	<i>Desi</i>	Ca_Desig_Scaffold107867	99	(G/T)
37140	CadSNP12735	<i>Desi</i>	Ca_Desig_Scaffold107867	109	(C/A)
37141	CadSNP12736	<i>Desi</i>	Ca_Desig_Scaffold107867	130	(C/T)
37142	CadSNP12737	<i>Desi</i>	Ca_Desig_Scaffold107867	209	(A/G)
37143	CadSNP12738	<i>Desi</i>	Ca_Desig_Scaffold107867	159	(A/T)
37144	CadSNP12739	<i>Desi</i>	Ca_Desig_Scaffold10817	123	(T/A)
37145	CadSNP12740	<i>Desi</i>	Ca_Desig_Scaffold10817	122	(C/T)
37146	CadSNP12741	<i>Desi</i>	Ca_Desig_Scaffold10817	192	(G/A)
37147	CadSNP12742	<i>Desi</i>	Ca_Desig_Scaffold10819	2162	(T/G)
37148	CadSNP12743	<i>Desi</i>	Ca_Desig_Scaffold10819	4136	(C/A)
37149	CadSNP12744	<i>Desi</i>	Ca_Desig_Scaffold10819	4172	(T/C)
37150	CadSNP12745	<i>Desi</i>	Ca_Desig_Scaffold10819	4257	(G/A)
37151	CadSNP12746	<i>Desi</i>	Ca_Desig_Scaffold10819	4240	(A/G)
37152	CadSNP12747	<i>Desi</i>	Ca_Desig_Scaffold10819	4226	(T/C)
37153	CadSNP12748	<i>Desi</i>	Ca_Desig_Scaffold10834	3548	(A/G)
37154	CadSNP12749	<i>Desi</i>	Ca_Desig_Scaffold10834	3546	(A/G)
37155	CadSNP12750	<i>Desi</i>	Ca_Desig_Scaffold10834	3529	(C/T)
37156	CadSNP12751	<i>Desi</i>	Ca_Desig_Scaffold10834	3513	(G/A)
37157	CadSNP12752	<i>Desi</i>	Ca_Desig_Scaffold10836	3350	(C/A)
37158	CadSNP12753	<i>Desi</i>	Ca_Desig_Scaffold10836	3351	(T/G)
37159	CadSNP12754	<i>Desi</i>	Ca_Desig_Scaffold10836	3354	(C/T)
37160	CadSNP12755	<i>Desi</i>	Ca_Desig_Scaffold10861	4080	(C/A)
37161	CadSNP12756	<i>Desi</i>	Ca_Desig_Scaffold10866	1157	(C/A)
37162	CadSNP12757	<i>Desi</i>	Ca_Desig_Scaffold10866	3659	(A/C)
37163	CadSNP12758	<i>Desi</i>	Ca_Desig_Scaffold10921	3527	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37164	CadSNP12759	<i>Desi</i>	Ca_Desig_Scaffold10921	3542	(C/T)
37165	CadSNP12760	<i>Desi</i>	Ca_Desig_Scaffold10921	3575	(G/T)
37166	CadSNP12761	<i>Desi</i>	Ca_Desig_Scaffold109321	61	(A/C)
37167	CadSNP12762	<i>Desi</i>	Ca_Desig_Scaffold109321	83	(C/T)
37168	CadSNP12763	<i>Desi</i>	Ca_Desig_Scaffold109321	126	(C/T)
37169	CadSNP12764	<i>Desi</i>	Ca_Desig_Scaffold109321	131	(C/T)
37170	CadSNP12765	<i>Desi</i>	Ca_Desig_Scaffold109710	278	(T/C)
37171	CadSNP12766	<i>Desi</i>	Ca_Desig_Scaffold109710	296	(T/G)
37172	CadSNP12767	<i>Desi</i>	Ca_Desig_Scaffold109710	299	(G/A)
37173	CadSNP12768	<i>Desi</i>	Ca_Desig_Scaffold109852	125	(G/A)
37174	CadSNP12769	<i>Desi</i>	Ca_Desig_Scaffold109859	301	(C/T)
37175	CadSNP12770	<i>Desi</i>	Ca_Desig_Scaffold109859	254	(C/A)
37176	CadSNP12771	<i>Desi</i>	Ca_Desig_Scaffold109859	228	(C/T)
37177	CadSNP12772	<i>Desi</i>	Ca_Desig_Scaffold109859	233	(G/C)
37178	CadSNP12773	<i>Desi</i>	Ca_Desig_Scaffold109859	264	(G/A)
37179	CadSNP12774	<i>Desi</i>	Ca_Desig_Scaffold109863	204	(G/A)
37180	CadSNP12775	<i>Desi</i>	Ca_Desig_Scaffold109863	242	(C/A)
37181	CadSNP12776	<i>Desi</i>	Ca_Desig_Scaffold10990	36625	(T/G)
37182	CadSNP12777	<i>Desi</i>	Ca_Desig_Scaffold110072	236	(A/G)
37183	CadSNP12778	<i>Desi</i>	Ca_Desig_Scaffold110072	306	(G/T)
37184	CadSNP12779	<i>Desi</i>	Ca_Desig_Scaffold110072	293	(G/A)
37185	CadSNP12780	<i>Desi</i>	Ca_Desig_Scaffold110072	248	(G/T)
37186	CadSNP12781	<i>Desi</i>	Ca_Desig_Scaffold11013	46	(A/G)
37187	CadSNP12782	<i>Desi</i>	Ca_Desig_Scaffold110206	241	(C/T)
37188	CadSNP12783	<i>Desi</i>	Ca_Desig_Scaffold110206	257	(T/C)
37189	CadSNP12784	<i>Desi</i>	Ca_Desig_Scaffold110257	259	(A/C)
37190	CadSNP12785	<i>Desi</i>	Ca_Desig_Scaffold110257	287	(T/C)
37191	CadSNP12786	<i>Desi</i>	Ca_Desig_Scaffold110257	302	(A/G)
37192	CadSNP12787	<i>Desi</i>	Ca_Desig_Scaffold11114	231	(G/A)
37193	CadSNP12788	<i>Desi</i>	Ca_Desig_Scaffold11130	101	(G/A)
37194	CadSNP12789	<i>Desi</i>	Ca_Desig_Scaffold11130	169	(G/A)
37195	CadSNP12790	<i>Desi</i>	Ca_Desig_Scaffold11130	127	(G/T)
37196	CadSNP12791	<i>Desi</i>	Ca_Desig_Scaffold111434	154	(A/T)
37197	CadSNP12792	<i>Desi</i>	Ca_Desig_Scaffold111434	180	(G/A)
37198	CadSNP12793	<i>Desi</i>	Ca_Desig_Scaffold11144	33970	(A/G)
37199	CadSNP12794	<i>Desi</i>	Ca_Desig_Scaffold11144	33988	(T/C)
37200	CadSNP12795	<i>Desi</i>	Ca_Desig_Scaffold11144	33990	(T/C)
37201	CadSNP12796	<i>Desi</i>	Ca_Desig_Scaffold11144	57431	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37202	CadSNP12797	<i>Desi</i>	Ca_Desig_Scaffold11144	57713	(T/A)
37203	CadSNP12798	<i>Desi</i>	Ca_Desig_Scaffold11144	180066	(G/C)
37204	CadSNP12799	<i>Desi</i>	Ca_Desig_Scaffold11160	3050	(C/T)
37205	CadSNP12800	<i>Desi</i>	Ca_Desig_Scaffold11160	3085	(C/A)
37206	CadSNP12801	<i>Desi</i>	Ca_Desig_Scaffold111990	172	(G/T)
37207	CadSNP12802	<i>Desi</i>	Ca_Desig_Scaffold11230	484	(C/G)
37208	CadSNP12803	<i>Desi</i>	Ca_Desig_Scaffold11230	485	(C/T)
37209	CadSNP12804	<i>Desi</i>	Ca_Desig_Scaffold11230	515	(G/C)
37210	CadSNP12805	<i>Desi</i>	Ca_Desig_Scaffold11230	1578	(T/G)
37211	CadSNP12806	<i>Desi</i>	Ca_Desig_Scaffold11230	1633	(T/A)
37212	CadSNP12807	<i>Desi</i>	Ca_Desig_Scaffold11230	3250	(C/T)
37213	CadSNP12808	<i>Desi</i>	Ca_Desig_Scaffold112470	273	(G/A)
37214	CadSNP12809	<i>Desi</i>	Ca_Desig_Scaffold112470	243	(T/A)
37215	CadSNP12810	<i>Desi</i>	Ca_Desig_Scaffold11274	2781	(T/C)
37216	CadSNP12811	<i>Desi</i>	Ca_Desig_Scaffold11274	2798	(G/T)
37217	CadSNP12812	<i>Desi</i>	Ca_Desig_Scaffold11274	2953	(C/T)
37218	CadSNP12813	<i>Desi</i>	Ca_Desig_Scaffold11289	3996	(A/G)
37219	CadSNP12814	<i>Desi</i>	Ca_Desig_Scaffold11289	3990	(C/T)
37220	CadSNP12815	<i>Desi</i>	Ca_Desig_Scaffold113028	117	(T/C)
37221	CadSNP12816	<i>Desi</i>	Ca_Desig_Scaffold113028	179	(G/C)
37222	CadSNP12817	<i>Desi</i>	Ca_Desig_Scaffold113166	91	(T/A)
37223	CadSNP12818	<i>Desi</i>	Ca_Desig_Scaffold113166	93	(T/A)
37224	CadSNP12819	<i>Desi</i>	Ca_Desig_Scaffold113166	104	(C/T)
37225	CadSNP12820	<i>Desi</i>	Ca_Desig_Scaffold113166	142	(C/T)
37226	CadSNP12821	<i>Desi</i>	Ca_Desig_Scaffold11336	4234	(T/C)
37227	CadSNP12822	<i>Desi</i>	Ca_Desig_Scaffold11373	929	(C/T)
37228	CadSNP12823	<i>Desi</i>	Ca_Desig_Scaffold11373	1353	(C/G)
37229	CadSNP12824	<i>Desi</i>	Ca_Desig_Scaffold11414	1560	(C/G)
37230	CadSNP12825	<i>Desi</i>	Ca_Desig_Scaffold11414	1676	(T/G)
37231	CadSNP12826	<i>Desi</i>	Ca_Desig_Scaffold11418	205	(A/G)
37232	CadSNP12827	<i>Desi</i>	Ca_Desig_Scaffold11418	292	(C/T)
37233	CadSNP12828	<i>Desi</i>	Ca_Desig_Scaffold11428	3555	(A/C)
37234	CadSNP12829	<i>Desi</i>	Ca_Desig_Scaffold114876	44	(T/A)
37235	CadSNP12830	<i>Desi</i>	Ca_Desig_Scaffold114876	43	(C/A)
37236	CadSNP12831	<i>Desi</i>	Ca_Desig_Scaffold114899	140	(T/C)
37237	CadSNP12832	<i>Desi</i>	Ca_Desig_Scaffold115107	37	(C/T)
37238	CadSNP12833	<i>Desi</i>	Ca_Desig_Scaffold115107	187	(C/A)
37239	CadSNP12834	<i>Desi</i>	Ca_Desig_Scaffold115107	260	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37240	CadSNP12835	<i>Desi</i>	Ca_Desig_Scaffold115107	321	(T/C)
37241	CadSNP12836	<i>Desi</i>	Ca_Desig_Scaffold11589	967	(T/G)
37242	CadSNP12837	<i>Desi</i>	Ca_Desig_Scaffold116071	310	(G/T)
37243	CadSNP12838	<i>Desi</i>	Ca_Desig_Scaffold11628	2521	(T/G)
37244	CadSNP12839	<i>Desi</i>	Ca_Desig_Scaffold116326	45	(G/A)
37245	CadSNP12840	<i>Desi</i>	Ca_Desig_Scaffold116326	115	(C/A)
37246	CadSNP12841	<i>Desi</i>	Ca_Desig_Scaffold116326	107	(A/G)
37247	CadSNP12842	<i>Desi</i>	Ca_Desig_Scaffold116326	66	(C/T)
37248	CadSNP12843	<i>Desi</i>	Ca_Desig_Scaffold116326	59	(C/T)
37249	CadSNP12844	<i>Desi</i>	Ca_Desig_Scaffold116326	48	(G/A)
37250	CadSNP12845	<i>Desi</i>	Ca_Desig_Scaffold11649	1666	(C/A)
37251	CadSNP12846	<i>Desi</i>	Ca_Desig_Scaffold11652	219	(T/C)
37252	CadSNP12847	<i>Desi</i>	Ca_Desig_Scaffold11652	290	(G/C)
37253	CadSNP12848	<i>Desi</i>	Ca_Desig_Scaffold116539	178	(C/G)
37254	CadSNP12849	<i>Desi</i>	Ca_Desig_Scaffold116737	150	(G/A)
37255	CadSNP12850	<i>Desi</i>	Ca_Desig_Scaffold116737	177	(T/G)
37256	CadSNP12851	<i>Desi</i>	Ca_Desig_Scaffold11697	247	(A/C)
37257	CadSNP12852	<i>Desi</i>	Ca_Desig_Scaffold117047	284	(T/C)
37258	CadSNP12853	<i>Desi</i>	Ca_Desig_Scaffold11707	3883	(T/G)
37259	CadSNP12854	<i>Desi</i>	Ca_Desig_Scaffold11707	3891	(C/A)
37260	CadSNP12855	<i>Desi</i>	Ca_Desig_Scaffold11707	3897	(G/A)
37261	CadSNP12856	<i>Desi</i>	Ca_Desig_Scaffold11707	4015	(T/C)
37262	CadSNP12857	<i>Desi</i>	Ca_Desig_Scaffold11707	3963	(C/G)
37263	CadSNP12858	<i>Desi</i>	Ca_Desig_Scaffold11711	1694	(A/C)
37264	CadSNP12859	<i>Desi</i>	Ca_Desig_Scaffold117181	271	(T/C)
37265	CadSNP12860	<i>Desi</i>	Ca_Desig_Scaffold11732	681	(T/A)
37266	CadSNP12861	<i>Desi</i>	Ca_Desig_Scaffold11732	685	(C/A)
37267	CadSNP12862	<i>Desi</i>	Ca_Desig_Scaffold11732	688	(C/A)
37268	CadSNP12863	<i>Desi</i>	Ca_Desig_Scaffold118324	221	(T/G)
37269	CadSNP12864	<i>Desi</i>	Ca_Desig_Scaffold118437	246	(G/A)
37270	CadSNP12865	<i>Desi</i>	Ca_Desig_Scaffold11853	1604	(A/G)
37271	CadSNP12866	<i>Desi</i>	Ca_Desig_Scaffold118660	189	(C/T)
37272	CadSNP12867	<i>Desi</i>	Ca_Desig_Scaffold11869	71	(A/G)
37273	CadSNP12868	<i>Desi</i>	Ca_Desig_Scaffold11869	297	(C/G)
37274	CadSNP12869	<i>Desi</i>	Ca_Desig_Scaffold11869	2622	(A/G)
37275	CadSNP12870	<i>Desi</i>	Ca_Desig_Scaffold118823	60	(T/C)
37276	CadSNP12871	<i>Desi</i>	Ca_Desig_Scaffold11886	3371	(C/T)
37277	CadSNP12872	<i>Desi</i>	Ca_Desig_Scaffold11886	3401	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37278	CadSNP12873	<i>Desi</i>	Ca_Desig_Scaffold118878	217	(G/A)
37279	CadSNP12874	<i>Desi</i>	Ca_Desig_Scaffold119061	54	(G/A)
37280	CadSNP12875	<i>Desi</i>	Ca_Desig_Scaffold119240	105	(A/C)
37281	CadSNP12876	<i>Desi</i>	Ca_Desig_Scaffold119240	201	(A/G)
37282	CadSNP12877	<i>Desi</i>	Ca_Desig_Scaffold11937	3368	(C/T)
37283	CadSNP12878	<i>Desi</i>	Ca_Desig_Scaffold11937	3449	(A/C)
37284	CadSNP12879	<i>Desi</i>	Ca_Desig_Scaffold11956	102	(A/G)
37285	CadSNP12880	<i>Desi</i>	Ca_Desig_Scaffold11965	2020	(A/C)
37286	CadSNP12881	<i>Desi</i>	Ca_Desig_Scaffold120057	77	(T/C)
37287	CadSNP12882	<i>Desi</i>	Ca_Desig_Scaffold120057	90	(G/A)
37288	CadSNP12883	<i>Desi</i>	Ca_Desig_Scaffold12017	3551	(T/C)
37289	CadSNP12884	<i>Desi</i>	Ca_Desig_Scaffold12017	3557	(A/G)
37290	CadSNP12885	<i>Desi</i>	Ca_Desig_Scaffold12017	3570	(A/G)
37291	CadSNP12886	<i>Desi</i>	Ca_Desig_Scaffold12017	3603	(A/G)
37292	CadSNP12887	<i>Desi</i>	Ca_Desig_Scaffold12023	1889	(G/A)
37293	CadSNP12888	<i>Desi</i>	Ca_Desig_Scaffold12023	2134	(T/A)
37294	CadSNP12889	<i>Desi</i>	Ca_Desig_Scaffold12023	2140	(A/G)
37295	CadSNP12890	<i>Desi</i>	Ca_Desig_Scaffold12023	2141	(A/T)
37296	CadSNP12891	<i>Desi</i>	Ca_Desig_Scaffold12023	2143	(G/C)
37297	CadSNP12892	<i>Desi</i>	Ca_Desig_Scaffold12023	2144	(A/T)
37298	CadSNP12893	<i>Desi</i>	Ca_Desig_Scaffold12023	2145	(C/G)
37299	CadSNP12894	<i>Desi</i>	Ca_Desig_Scaffold12023	2148	(A/C)
37300	CadSNP12895	<i>Desi</i>	Ca_Desig_Scaffold12023	2149	(G/T)
37301	CadSNP12896	<i>Desi</i>	Ca_Desig_Scaffold12023	2165	(C/T)
37302	CadSNP12897	<i>Desi</i>	Ca_Desig_Scaffold12023	2167	(T/A)
37303	CadSNP12898	<i>Desi</i>	Ca_Desig_Scaffold12023	2175	(A/G)
37304	CadSNP12899	<i>Desi</i>	Ca_Desig_Scaffold12023	2188	(A/T)
37305	CadSNP12900	<i>Desi</i>	Ca_Desig_Scaffold120799	81	(C/A)
37306	CadSNP12901	<i>Desi</i>	Ca_Desig_Scaffold120809	113	(G/A)
37307	CadSNP12902	<i>Desi</i>	Ca_Desig_Scaffold12148	949	(G/A)
37308	CadSNP12903	<i>Desi</i>	Ca_Desig_Scaffold12148	2678	(C/T)
37309	CadSNP12904	<i>Desi</i>	Ca_Desig_Scaffold12148	2683	(C/A)
37310	CadSNP12905	<i>Desi</i>	Ca_Desig_Scaffold12148	2684	(T/A)
37311	CadSNP12906	<i>Desi</i>	Ca_Desig_Scaffold12148	2701	(T/A)
37312	CadSNP12907	<i>Desi</i>	Ca_Desig_Scaffold12160	3630	(G/A)
37313	CadSNP12908	<i>Desi</i>	Ca_Desig_Scaffold12160	3669	(C/A)
37314	CadSNP12909	<i>Desi</i>	Ca_Desig_Scaffold12160	3679	(G/A)
37315	CadSNP12910	<i>Desi</i>	Ca_Desig_Scaffold12160	3688	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37316	CadSNP12911	<i>Desi</i>	Ca_Desig_Scaffold12160	3691	(C/A)
37317	CadSNP12912	<i>Desi</i>	Ca_Desig_Scaffold12283	2612	(T/C)
37318	CadSNP12913	<i>Desi</i>	Ca_Desig_Scaffold12283	2669	(T/A)
37319	CadSNP12914	<i>Desi</i>	Ca_Desig_Scaffold12299	2306	(A/G)
37320	CadSNP12915	<i>Desi</i>	Ca_Desig_Scaffold12301	3243	(T/C)
37321	CadSNP12916	<i>Desi</i>	Ca_Desig_Scaffold12301	3272	(G/T)
37322	CadSNP12917	<i>Desi</i>	Ca_Desig_Scaffold12301	3320	(G/T)
37323	CadSNP12918	<i>Desi</i>	Ca_Desig_Scaffold12315	1274	(A/C)
37324	CadSNP12919	<i>Desi</i>	Ca_Desig_Scaffold12348	732	(G/C)
37325	CadSNP12920	<i>Desi</i>	Ca_Desig_Scaffold12348	710	(A/G)
37326	CadSNP12921	<i>Desi</i>	Ca_Desig_Scaffold12348	1706	(T/C)
37327	CadSNP12922	<i>Desi</i>	Ca_Desig_Scaffold12348	1713	(G/C)
37328	CadSNP12923	<i>Desi</i>	Ca_Desig_Scaffold12348	1813	(T/G)
37329	CadSNP12924	<i>Desi</i>	Ca_Desig_Scaffold12348	1845	(G/T)
37330	CadSNP12925	<i>Desi</i>	Ca_Desig_Scaffold12367	1969	(T/G)
37331	CadSNP12926	<i>Desi</i>	Ca_Desig_Scaffold12372	845	(A/T)
37332	CadSNP12927	<i>Desi</i>	Ca_Desig_Scaffold123776	72	(G/A)
37333	CadSNP12928	<i>Desi</i>	Ca_Desig_Scaffold123776	239	(T/G)
37334	CadSNP12929	<i>Desi</i>	Ca_Desig_Scaffold123776	215	(C/T)
37335	CadSNP12930	<i>Desi</i>	Ca_Desig_Scaffold123924	106	(T/C)
37336	CadSNP12931	<i>Desi</i>	Ca_Desig_Scaffold12419	860	(G/T)
37337	CadSNP12932	<i>Desi</i>	Ca_Desig_Scaffold124403	13	(G/A)
37338	CadSNP12933	<i>Desi</i>	Ca_Desig_Scaffold124403	4	(A/G)
37339	CadSNP12934	<i>Desi</i>	Ca_Desig_Scaffold12457	3656	(G/A)
37340	CadSNP12935	<i>Desi</i>	Ca_Desig_Scaffold12457	3654	(C/A)
37341	CadSNP12936	<i>Desi</i>	Ca_Desig_Scaffold12488	3316	(A/C)
37342	CadSNP12937	<i>Desi</i>	Ca_Desig_Scaffold12488	3317	(G/C)
37343	CadSNP12938	<i>Desi</i>	Ca_Desig_Scaffold12571	2270	(T/A)
37344	CadSNP12939	<i>Desi</i>	Ca_Desig_Scaffold126015	96	(G/T)
37345	CadSNP12940	<i>Desi</i>	Ca_Desig_Scaffold12609	2182	(T/G)
37346	CadSNP12941	<i>Desi</i>	Ca_Desig_Scaffold126213	137	(T/A)
37347	CadSNP12942	<i>Desi</i>	Ca_Desig_Scaffold12637	47	(A/G)
37348	CadSNP12943	<i>Desi</i>	Ca_Desig_Scaffold12637	87	(C/T)
37349	CadSNP12944	<i>Desi</i>	Ca_Desig_Scaffold12637	40	(C/G)
37350	CadSNP12945	<i>Desi</i>	Ca_Desig_Scaffold12637	25	(G/A)
37351	CadSNP12946	<i>Desi</i>	Ca_Desig_Scaffold12643	1867	(C/T)
37352	CadSNP12947	<i>Desi</i>	Ca_Desig_Scaffold12643	1872	(C/T)
37353	CadSNP12948	<i>Desi</i>	Ca_Desig_Scaffold126471	173	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37354	CadSNP12949	<i>Desi</i>	Ca_Desig_Scaffold12665	3467	(T/G)
37355	CadSNP12950	<i>Desi</i>	Ca_Desig_Scaffold126944	80	(A/T)
37356	CadSNP12951	<i>Desi</i>	Ca_Desig_Scaffold127212	74	(G/A)
37357	CadSNP12952	<i>Desi</i>	Ca_Desig_Scaffold12728	2960	(C/A)
37358	CadSNP12953	<i>Desi</i>	Ca_Desig_Scaffold12732	2889	(C/A)
37359	CadSNP12954	<i>Desi</i>	Ca_Desig_Scaffold12732	2899	(C/T)
37360	CadSNP12955	<i>Desi</i>	Ca_Desig_Scaffold12732	2939	(G/A)
37361	CadSNP12956	<i>Desi</i>	Ca_Desig_Scaffold12732	2940	(C/G)
37362	CadSNP12957	<i>Desi</i>	Ca_Desig_Scaffold12732	2944	(A/G)
37363	CadSNP12958	<i>Desi</i>	Ca_Desig_Scaffold12732	2946	(T/G)
37364	CadSNP12959	<i>Desi</i>	Ca_Desig_Scaffold127895	202	(T/A)
37365	CadSNP12960	<i>Desi</i>	Ca_Desig_Scaffold12854	1144	(T/G)
37366	CadSNP12961	<i>Desi</i>	Ca_Desig_Scaffold12854	1147	(T/G)
37367	CadSNP12962	<i>Desi</i>	Ca_Desig_Scaffold12870	200	(C/T)
37368	CadSNP12963	<i>Desi</i>	Ca_Desig_Scaffold12870	2943	(G/A)
37369	CadSNP12964	<i>Desi</i>	Ca_Desig_Scaffold12885	2742	(G/C)
37370	CadSNP12965	<i>Desi</i>	Ca_Desig_Scaffold129020	27	(G/T)
37371	CadSNP12966	<i>Desi</i>	Ca_Desig_Scaffold129081	216	(C/G)
37372	CadSNP12967	<i>Desi</i>	Ca_Desig_Scaffold129081	194	(C/T)
37373	CadSNP12968	<i>Desi</i>	Ca_Desig_Scaffold12910	442	(T/C)
37374	CadSNP12969	<i>Desi</i>	Ca_Desig_Scaffold12948	2825	(A/G)
37375	CadSNP12970	<i>Desi</i>	Ca_Desig_Scaffold12955	1479	(A/C)
37376	CadSNP12971	<i>Desi</i>	Ca_Desig_Scaffold129612	97	(A/G)
37377	CadSNP12972	<i>Desi</i>	Ca_Desig_Scaffold129660	160	(C/T)
37378	CadSNP12973	<i>Desi</i>	Ca_Desig_Scaffold12982	2982	(T/C)
37379	CadSNP12974	<i>Desi</i>	Ca_Desig_Scaffold13005	858	(A/G)
37380	CadSNP12975	<i>Desi</i>	Ca_Desig_Scaffold130155	110	(C/T)
37381	CadSNP12976	<i>Desi</i>	Ca_Desig_Scaffold13031	521	(C/T)
37382	CadSNP12977	<i>Desi</i>	Ca_Desig_Scaffold13034	2967	(T/C)
37383	CadSNP12978	<i>Desi</i>	Ca_Desig_Scaffold13034	2985	(T/A)
37384	CadSNP12979	<i>Desi</i>	Ca_Desig_Scaffold13034	2990	(A/G)
37385	CadSNP12980	<i>Desi</i>	Ca_Desig_Scaffold13034	2994	(T/C)
37386	CadSNP12981	<i>Desi</i>	Ca_Desig_Scaffold13034	3003	(A/C)
37387	CadSNP12982	<i>Desi</i>	Ca_Desig_Scaffold13034	3007	(G/C)
37388	CadSNP12983	<i>Desi</i>	Ca_Desig_Scaffold13034	3008	(G/C)
37389	CadSNP12984	<i>Desi</i>	Ca_Desig_Scaffold13034	3009	(G/A)
37390	CadSNP12985	<i>Desi</i>	Ca_Desig_Scaffold13034	3021	(T/A)
37391	CadSNP12986	<i>Desi</i>	Ca_Desig_Scaffold13034	3033	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37392	CadSNP12987	<i>Desi</i>	Ca_Desig_Scaffold13035	3428	(T/G)
37393	CadSNP12988	<i>Desi</i>	Ca_Desig_Scaffold13063	3280	(G/A)
37394	CadSNP12989	<i>Desi</i>	Ca_Desig_Scaffold13063	3323	(G/T)
37395	CadSNP12990	<i>Desi</i>	Ca_Desig_Scaffold13063	3310	(G/A)
37396	CadSNP12991	<i>Desi</i>	Ca_Desig_Scaffold130812	153	(G/A)
37397	CadSNP12992	<i>Desi</i>	Ca_Desig_Scaffold130812	158	(A/G)
37398	CadSNP12993	<i>Desi</i>	Ca_Desig_Scaffold130812	167	(G/T)
37399	CadSNP12994	<i>Desi</i>	Ca_Desig_Scaffold130812	210	(G/A)
37400	CadSNP12995	<i>Desi</i>	Ca_Desig_Scaffold130812	211	(G/T)
37401	CadSNP12996	<i>Desi</i>	Ca_Desig_Scaffold130812	212	(G/A)
37402	CadSNP12997	<i>Desi</i>	Ca_Desig_Scaffold130812	237	(T/G)
37403	CadSNP12998	<i>Desi</i>	Ca_Desig_Scaffold130812	220	(T/G)
37404	CadSNP12999	<i>Desi</i>	Ca_Desig_Scaffold130812	195	(T/C)
37405	CadSNP13000	<i>Desi</i>	Ca_Desig_Scaffold13119	3446	(T/C)
37406	CadSNP13001	<i>Desi</i>	Ca_Desig_Scaffold13125	2528	(C/T)
37407	CadSNP13002	<i>Desi</i>	Ca_Desig_Scaffold131508	76	(G/A)
37408	CadSNP13003	<i>Desi</i>	Ca_Desig_Scaffold13202	1171	(T/G)
37409	CadSNP13004	<i>Desi</i>	Ca_Desig_Scaffold13202	1422	(T/A)
37410	CadSNP13005	<i>Desi</i>	Ca_Desig_Scaffold13208	2219	(C/T)
37411	CadSNP13006	<i>Desi</i>	Ca_Desig_Scaffold13208	2271	(G/T)
37412	CadSNP13007	<i>Desi</i>	Ca_Desig_Scaffold13208	2315	(G/A)
37413	CadSNP13008	<i>Desi</i>	Ca_Desig_Scaffold13208	2262	(G/A)
37414	CadSNP13009	<i>Desi</i>	Ca_Desig_Scaffold13242	3274	(C/T)
37415	CadSNP13010	<i>Desi</i>	Ca_Desig_Scaffold13289	474	(A/G)
37416	CadSNP13011	<i>Desi</i>	Ca_Desig_Scaffold13289	493	(A/G)
37417	CadSNP13012	<i>Desi</i>	Ca_Desig_Scaffold13289	541	(C/T)
37418	CadSNP13013	<i>Desi</i>	Ca_Desig_Scaffold13311	1736	(A/C)
37419	CadSNP13014	<i>Desi</i>	Ca_Desig_Scaffold13311	2541	(A/G)
37420	CadSNP13015	<i>Desi</i>	Ca_Desig_Scaffold13311	2556	(G/A)
37421	CadSNP13016	<i>Desi</i>	Ca_Desig_Scaffold13311	2566	(A/C)
37422	CadSNP13017	<i>Desi</i>	Ca_Desig_Scaffold13361	1972	(G/A)
37423	CadSNP13018	<i>Desi</i>	Ca_Desig_Scaffold133642	155	(G/A)
37424	CadSNP13019	<i>Desi</i>	Ca_Desig_Scaffold13406	2392	(G/A)
37425	CadSNP13020	<i>Desi</i>	Ca_Desig_Scaffold13406	2453	(G/A)
37426	CadSNP13021	<i>Desi</i>	Ca_Desig_Scaffold13422	2539	(G/A)
37427	CadSNP13022	<i>Desi</i>	Ca_Desig_Scaffold13422	2577	(A/G)
37428	CadSNP13023	<i>Desi</i>	Ca_Desig_Scaffold134328	268	(C/T)
37429	CadSNP13024	<i>Desi</i>	Ca_Desig_Scaffold13469	2505	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37430	CadSNP13025	<i>Desi</i>	Ca_Desig_Scaffold134790	223	(A/G)
37431	CadSNP13026	<i>Desi</i>	Ca_Desig_Scaffold13485	2644	(C/T)
37432	CadSNP13027	<i>Desi</i>	Ca_Desig_Scaffold134876	95	(G/A)
37433	CadSNP13028	<i>Desi</i>	Ca_Desig_Scaffold134876	135	(G/A)
37434	CadSNP13029	<i>Desi</i>	Ca_Desig_Scaffold134876	175	(G/A)
37435	CadSNP13030	<i>Desi</i>	Ca_Desig_Scaffold13504	66258	(C/T)
37436	CadSNP13031	<i>Desi</i>	Ca_Desig_Scaffold13504	71247	(G/A)
37437	CadSNP13032	<i>Desi</i>	Ca_Desig_Scaffold13504	146111	(T/C)
37438	CadSNP13033	<i>Desi</i>	Ca_Desig_Scaffold13506	491	(G/T)
37439	CadSNP13034	<i>Desi</i>	Ca_Desig_Scaffold13506	512	(C/A)
37440	CadSNP13035	<i>Desi</i>	Ca_Desig_Scaffold135279	222	(C/T)
37441	CadSNP13036	<i>Desi</i>	Ca_Desig_Scaffold13620	2952	(C/T)
37442	CadSNP13037	<i>Desi</i>	Ca_Desig_Scaffold13648	2923	(C/G)
37443	CadSNP13038	<i>Desi</i>	Ca_Desig_Scaffold13648	2921	(G/T)
37444	CadSNP13039	<i>Desi</i>	Ca_Desig_Scaffold13648	2911	(G/A)
37445	CadSNP13040	<i>Desi</i>	Ca_Desig_Scaffold13681	3109	(A/G)
37446	CadSNP13041	<i>Desi</i>	Ca_Desig_Scaffold13681	3093	(A/C)
37447	CadSNP13042	<i>Desi</i>	Ca_Desig_Scaffold136826	244	(C/A)
37448	CadSNP13043	<i>Desi</i>	Ca_Desig_Scaffold136826	234	(A/G)
37449	CadSNP13044	<i>Desi</i>	Ca_Desig_Scaffold13701	401	(T/C)
37450	CadSNP13045	<i>Desi</i>	Ca_Desig_Scaffold13720	351	(T/C)
37451	CadSNP13046	<i>Desi</i>	Ca_Desig_Scaffold137705	186	(C/T)
37452	CadSNP13047	<i>Desi</i>	Ca_Desig_Scaffold137705	165	(G/A)
37453	CadSNP13048	<i>Desi</i>	Ca_Desig_Scaffold13791	586	(G/A)
37454	CadSNP13049	<i>Desi</i>	Ca_Desig_Scaffold13827	463	(T/A)
37455	CadSNP13050	<i>Desi</i>	Ca_Desig_Scaffold13827	462	(G/T)
37456	CadSNP13051	<i>Desi</i>	Ca_Desig_Scaffold13827	461	(A/C)
37457	CadSNP13052	<i>Desi</i>	Ca_Desig_Scaffold13827	421	(A/G)
37458	CadSNP13053	<i>Desi</i>	Ca_Desig_Scaffold13827	394	(A/C)
37459	CadSNP13054	<i>Desi</i>	Ca_Desig_Scaffold13827	392	(T/C)
37460	CadSNP13055	<i>Desi</i>	Ca_Desig_Scaffold13827	420	(G/A)
37461	CadSNP13056	<i>Desi</i>	Ca_Desig_Scaffold13842	3051	(C/A)
37462	CadSNP13057	<i>Desi</i>	Ca_Desig_Scaffold13856	2474	(A/T)
37463	CadSNP13058	<i>Desi</i>	Ca_Desig_Scaffold13867	3065	(G/A)
37464	CadSNP13059	<i>Desi</i>	Ca_Desig_Scaffold13867	3054	(A/G)
37465	CadSNP13060	<i>Desi</i>	Ca_Desig_Scaffold14224	892	(A/C)
37466	CadSNP13061	<i>Desi</i>	Ca_Desig_Scaffold14224	945	(C/T)
37467	CadSNP13062	<i>Desi</i>	Ca_Desig_Scaffold14224	2008	(C/T)

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37468	CadSNP13063	<i>Desi</i>	Ca_Desig_Scaffold14239	656	(G/A)
37469	CadSNP13064	<i>Desi</i>	Ca_Desig_Scaffold14239	2098	(T/A)
37470	CadSNP13065	<i>Desi</i>	Ca_Desig_Scaffold14295	911	(T/G)
37471	CadSNP13066	<i>Desi</i>	Ca_Desig_Scaffold142952	6	(C/A)
37472	CadSNP13067	<i>Desi</i>	Ca_Desig_Scaffold144115	141	(A/T)
37473	CadSNP13068	<i>Desi</i>	Ca_Desig_Scaffold144115	129	(G/T)
37474	CadSNP13069	<i>Desi</i>	Ca_Desig_Scaffold14436	538	(C/G)
37475	CadSNP13070	<i>Desi</i>	Ca_Desig_Scaffold144714	78	(C/G)
37476	CadSNP13071	<i>Desi</i>	Ca_Desig_Scaffold144976	151	(G/T)
37477	CadSNP13072	<i>Desi</i>	Ca_Desig_Scaffold14538	2074	(A/C)
37478	CadSNP13073	<i>Desi</i>	Ca_Desig_Scaffold14538	2401	(T/G)
37479	CadSNP13074	<i>Desi</i>	Ca_Desig_Scaffold14538	2526	(C/G)
37480	CadSNP13075	<i>Desi</i>	Ca_Desig_Scaffold14552	317	(G/A)
37481	CadSNP13076	<i>Desi</i>	Ca_Desig_Scaffold14576	128	(A/G)
37482	CadSNP13077	<i>Desi</i>	Ca_Desig_Scaffold146395	26	(T/C)
37483	CadSNP13078	<i>Desi</i>	Ca_Desig_Scaffold14650	1760	(C/A)
37484	CadSNP13079	<i>Desi</i>	Ca_Desig_Scaffold14650	1801	(C/A)
37485	CadSNP13080	<i>Desi</i>	Ca_Desig_Scaffold14650	1812	(G/A)
37486	CadSNP13081	<i>Desi</i>	Ca_Desig_Scaffold14650	1825	(C/T)
37487	CadSNP13082	<i>Desi</i>	Ca_Desig_Scaffold14650	1835	(G/A)
37488	CadSNP13083	<i>Desi</i>	Ca_Desig_Scaffold14650	1915	(T/C)
37489	CadSNP13084	<i>Desi</i>	Ca_Desig_Scaffold14650	1898	(C/T)
37490	CadSNP13085	<i>Desi</i>	Ca_Desig_Scaffold14650	1848	(T/C)
37491	CadSNP13086	<i>Desi</i>	Ca_Desig_Scaffold14650	2042	(G/A)
37492	CadSNP13087	<i>Desi</i>	Ca_Desig_Scaffold14650	2049	(G/T)
37493	CadSNP13088	<i>Desi</i>	Ca_Desig_Scaffold14650	2058	(T/C)
37494	CadSNP13089	<i>Desi</i>	Ca_Desig_Scaffold146652	49	(G/A)
37495	CadSNP13090	<i>Desi</i>	Ca_Desig_Scaffold146652	17	(T/A)
37496	CadSNP13091	<i>Desi</i>	Ca_Desig_Scaffold146748	168	(G/A)
37497	CadSNP13092	<i>Desi</i>	Ca_Desig_Scaffold14680	1807	(A/G)
37498	CadSNP13093	<i>Desi</i>	Ca_Desig_Scaffold147274	224	(C/T)
37499	CadSNP13094	<i>Desi</i>	Ca_Desig_Scaffold147304	58	(C/T)
37500	CadSNP13095	<i>Desi</i>	Ca_Desig_Scaffold147304	23	(A/G)
37501	CadSNP13096	<i>Desi</i>	Ca_Desig_Scaffold14785	1628	(T/C)
37502	CadSNP13097	<i>Desi</i>	Ca_Desig_Scaffold14785	1596	(C/T)
37503	CadSNP13098	<i>Desi</i>	Ca_Desig_Scaffold14785	1682	(T/C)
37504	CadSNP13099	<i>Desi</i>	Ca_Desig_Scaffold14949	2677	(G/C)
37505	CadSNP13100	<i>Desi</i>	Ca_Desig_Scaffold14997	2323	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37506	CadSNP13101	<i>Desi</i>	Ca_Desig_Scaffold14997	2342	(A/G)
37507	CadSNP13102	<i>Desi</i>	Ca_Desig_Scaffold14997	2350	(G/T)
37508	CadSNP13103	<i>Desi</i>	Ca_Desig_Scaffold14997	2354	(A/G)
37509	CadSNP13104	<i>Desi</i>	Ca_Desig_Scaffold14998	2169	(G/T)
37510	CadSNP13105	<i>Desi</i>	Ca_Desig_Scaffold14998	2176	(A/C)
37511	CadSNP13106	<i>Desi</i>	Ca_Desig_Scaffold14998	2215	(A/C)
37512	CadSNP13107	<i>Desi</i>	Ca_Desig_Scaffold14998	2289	(G/T)
37513	CadSNP13108	<i>Desi</i>	Ca_Desig_Scaffold15011	2205	(T/G)
37514	CadSNP13109	<i>Desi</i>	Ca_Desig_Scaffold15011	2183	(A/C)
37515	CadSNP13110	<i>Desi</i>	Ca_Desig_Scaffold15011	2178	(C/T)
37516	CadSNP13111	<i>Desi</i>	Ca_Desig_Scaffold15021	46709	(G/A)
37517	CadSNP13112	<i>Desi</i>	Ca_Desig_Scaffold15021	46719	(T/C)
37518	CadSNP13113	<i>Desi</i>	Ca_Desig_Scaffold15049	2565	(T/G)
37519	CadSNP13114	<i>Desi</i>	Ca_Desig_Scaffold15076	1259	(A/G)
37520	CadSNP13115	<i>Desi</i>	Ca_Desig_Scaffold15079	2449	(A/G)
37521	CadSNP13116	<i>Desi</i>	Ca_Desig_Scaffold15136	1919	(C/T)
37522	CadSNP13117	<i>Desi</i>	Ca_Desig_Scaffold15212	2072	(T/C)
37523	CadSNP13118	<i>Desi</i>	Ca_Desig_Scaffold15212	2135	(C/A)
37524	CadSNP13119	<i>Desi</i>	Ca_Desig_Scaffold15344	1173	(T/G)
37525	CadSNP13120	<i>Desi</i>	Ca_Desig_Scaffold15344	1386	(A/G)
37526	CadSNP13121	<i>Desi</i>	Ca_Desig_Scaffold15395	1203	(G/T)
37527	CadSNP13122	<i>Desi</i>	Ca_Desig_Scaffold15395	1207	(C/T)
37528	CadSNP13123	<i>Desi</i>	Ca_Desig_Scaffold15400	777	(A/G)
37529	CadSNP13124	<i>Desi</i>	Ca_Desig_Scaffold154470	73	(T/G)
37530	CadSNP13125	<i>Desi</i>	Ca_Desig_Scaffold15536	404	(G/A)
37531	CadSNP13126	<i>Desi</i>	Ca_Desig_Scaffold15536	448	(C/T)
37532	CadSNP13127	<i>Desi</i>	Ca_Desig_Scaffold15536	449	(A/G)
37533	CadSNP13128	<i>Desi</i>	Ca_Desig_Scaffold15606	1603	(C/T)
37534	CadSNP13129	<i>Desi</i>	Ca_Desig_Scaffold15609	736	(G/T)
37535	CadSNP13130	<i>Desi</i>	Ca_Desig_Scaffold15702	70220	(G/C)
37536	CadSNP13131	<i>Desi</i>	Ca_Desig_Scaffold15702	70248	(T/G)
37537	CadSNP13132	<i>Desi</i>	Ca_Desig_Scaffold15761	1215	(C/G)
37538	CadSNP13133	<i>Desi</i>	Ca_Desig_Scaffold15763	229	(A/G)
37539	CadSNP13134	<i>Desi</i>	Ca_Desig_Scaffold15767	2368	(T/A)
37540	CadSNP13135	<i>Desi</i>	Ca_Desig_Scaffold157699	64	(C/A)
37541	CadSNP13136	<i>Desi</i>	Ca_Desig_Scaffold15786	1180	(C/T)
37542	CadSNP13137	<i>Desi</i>	Ca_Desig_Scaffold15794	427	(C/T)
37543	CadSNP13138	<i>Desi</i>	Ca_Desig_Scaffold15860	579	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37544	CadSNP13139	<i>Desi</i>	Ca_Desig_Scaffold15860	598	(G/A)
37545	CadSNP13140	<i>Desi</i>	Ca_Desig_Scaffold15889	859	(A/C)
37546	CadSNP13141	<i>Desi</i>	Ca_Desig_Scaffold15925	1530	(A/T)
37547	CadSNP13142	<i>Desi</i>	Ca_Desig_Scaffold15982	1509	(A/G)
37548	CadSNP13143	<i>Desi</i>	Ca_Desig_Scaffold160017	149	(C/T)
37549	CadSNP13144	<i>Desi</i>	Ca_Desig_Scaffold160256	22	(G/A)
37550	CadSNP13145	<i>Desi</i>	Ca_Desig_Scaffold16470	1966	(G/A)
37551	CadSNP13146	<i>Desi</i>	Ca_Desig_Scaffold164762	121	(G/A)
37552	CadSNP13147	<i>Desi</i>	Ca_Desig_Scaffold16485	1371	(G/A)
37553	CadSNP13148	<i>Desi</i>	Ca_Desig_Scaffold16557	2033	(C/T)
37554	CadSNP13149	<i>Desi</i>	Ca_Desig_Scaffold16557	1993	(C/T)
37555	CadSNP13150	<i>Desi</i>	Ca_Desig_Scaffold16560	2108	(G/A)
37556	CadSNP13151	<i>Desi</i>	Ca_Desig_Scaffold166659	75	(C/A)
37557	CadSNP13152	<i>Desi</i>	Ca_Desig_Scaffold16670	416	(C/T)
37558	CadSNP13153	<i>Desi</i>	Ca_Desig_Scaffold16670	432	(G/A)
37559	CadSNP13154	<i>Desi</i>	Ca_Desig_Scaffold16670	450	(T/C)
37560	CadSNP13155	<i>Desi</i>	Ca_Desig_Scaffold16670	456	(A/T)
37561	CadSNP13156	<i>Desi</i>	Ca_Desig_Scaffold16670	458	(T/A)
37562	CadSNP13157	<i>Desi</i>	Ca_Desig_Scaffold16670	467	(C/A)
37563	CadSNP13158	<i>Desi</i>	Ca_Desig_Scaffold16670	475	(C/T)
37564	CadSNP13159	<i>Desi</i>	Ca_Desig_Scaffold16670	477	(G/T)
37565	CadSNP13160	<i>Desi</i>	Ca_Desig_Scaffold16735	716	(T/C)
37566	CadSNP13161	<i>Desi</i>	Ca_Desig_Scaffold16739	276	(C/A)
37567	CadSNP13162	<i>Desi</i>	Ca_Desig_Scaffold16742	53574	(A/C)
37568	CadSNP13163	<i>Desi</i>	Ca_Desig_Scaffold16742	53689	(C/T)
37569	CadSNP13164	<i>Desi</i>	Ca_Desig_Scaffold16815	672	(G/A)
37570	CadSNP13165	<i>Desi</i>	Ca_Desig_Scaffold16815	644	(A/C)
37571	CadSNP13166	<i>Desi</i>	Ca_Desig_Scaffold16815	629	(C/T)
37572	CadSNP13167	<i>Desi</i>	Ca_Desig_Scaffold16815	713	(G/A)
37573	CadSNP13168	<i>Desi</i>	Ca_Desig_Scaffold16815	753	(T/C)
37574	CadSNP13169	<i>Desi</i>	Ca_Desig_Scaffold16815	761	(C/T)
37575	CadSNP13170	<i>Desi</i>	Ca_Desig_Scaffold16815	765	(T/C)
37576	CadSNP13171	<i>Desi</i>	Ca_Desig_Scaffold16831	31556	(C/T)
37577	CadSNP13172	<i>Desi</i>	Ca_Desig_Scaffold16831	54436	(A/G)
37578	CadSNP13173	<i>Desi</i>	Ca_Desig_Scaffold16831	62613	(G/T)
37579	CadSNP13174	<i>Desi</i>	Ca_Desig_Scaffold16831	71543	(T/A)
37580	CadSNP13175	<i>Desi</i>	Ca_Desig_Scaffold16831	71597	(G/A)
37581	CadSNP13176	<i>Desi</i>	Ca_Desig_Scaffold16854	953	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37582	CadSNP13177	<i>Desi</i>	Ca_Desig_Scaffold169239	29	(A/T)
37583	CadSNP13178	<i>Desi</i>	Ca_Desig_Scaffold169239	28	(C/T)
37584	CadSNP13179	<i>Desi</i>	Ca_Desig_Scaffold17048	400	(T/C)
37585	CadSNP13180	<i>Desi</i>	Ca_Desig_Scaffold17048	379	(C/G)
37586	CadSNP13181	<i>Desi</i>	Ca_Desig_Scaffold17048	369	(T/C)
37587	CadSNP13182	<i>Desi</i>	Ca_Desig_Scaffold17048	355	(G/C)
37588	CadSNP13183	<i>Desi</i>	Ca_Desig_Scaffold171113	1357	(C/A)
37589	CadSNP13184	<i>Desi</i>	Ca_Desig_Scaffold171270	24	(T/C)
37590	CadSNP13185	<i>Desi</i>	Ca_Desig_Scaffold17235	225218	(C/T)
37591	CadSNP13186	<i>Desi</i>	Ca_Desig_Scaffold17466	1776	(C/T)
37592	CadSNP13187	<i>Desi</i>	Ca_Desig_Scaffold17466	1787	(C/T)
37593	CadSNP13188	<i>Desi</i>	Ca_Desig_Scaffold17466	1810	(A/G)
37594	CadSNP13189	<i>Desi</i>	Ca_Desig_Scaffold17466	1928	(G/T)
37595	CadSNP13190	<i>Desi</i>	Ca_Desig_Scaffold17480	1076	(T/C)
37596	CadSNP13191	<i>Desi</i>	Ca_Desig_Scaffold17489	1995	(G/A)
37597	CadSNP13192	<i>Desi</i>	Ca_Desig_Scaffold17489	1997	(G/A)
37598	CadSNP13193	<i>Desi</i>	Ca_Desig_Scaffold17489	1999	(G/A)
37599	CadSNP13194	<i>Desi</i>	Ca_Desig_Scaffold17489	2000	(A/C)
37600	CadSNP13195	<i>Desi</i>	Ca_Desig_Scaffold17489	2001	(G/A)
37601	CadSNP13196	<i>Desi</i>	Ca_Desig_Scaffold17489	2003	(A/G)
37602	CadSNP13197	<i>Desi</i>	Ca_Desig_Scaffold17669	1281	(A/G)
37603	CadSNP13198	<i>Desi</i>	Ca_Desig_Scaffold17669	1292	(T/C)
37604	CadSNP13199	<i>Desi</i>	Ca_Desig_Scaffold17669	1306	(C/T)
37605	CadSNP13200	<i>Desi</i>	Ca_Desig_Scaffold17669	1334	(C/T)
37606	CadSNP13201	<i>Desi</i>	Ca_Desig_Scaffold17669	1354	(A/G)
37607	CadSNP13202	<i>Desi</i>	Ca_Desig_Scaffold17669	1362	(A/G)
37608	CadSNP13203	<i>Desi</i>	Ca_Desig_Scaffold17720	1138	(A/T)
37609	CadSNP13204	<i>Desi</i>	Ca_Desig_Scaffold17720	1251	(G/A)
37610	CadSNP13205	<i>Desi</i>	Ca_Desig_Scaffold17720	1462	(C/T)
37611	CadSNP13206	<i>Desi</i>	Ca_Desig_Scaffold17841	1253	(T/C)
37612	CadSNP13207	<i>Desi</i>	Ca_Desig_Scaffold17841	1219	(C/T)
37613	CadSNP13208	<i>Desi</i>	Ca_Desig_Scaffold17866	428	(C/G)
37614	CadSNP13209	<i>Desi</i>	Ca_Desig_Scaffold17866	437	(A/T)
37615	CadSNP13210	<i>Desi</i>	Ca_Desig_Scaffold17866	439	(A/C)
37616	CadSNP13211	<i>Desi</i>	Ca_Desig_Scaffold17866	459	(C/T)
37617	CadSNP13212	<i>Desi</i>	Ca_Desig_Scaffold17866	460	(C/T)
37618	CadSNP13213	<i>Desi</i>	Ca_Desig_Scaffold17866	468	(C/T)
37619	CadSNP13214	<i>Desi</i>	Ca_Desig_Scaffold17866	476	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37620	CadSNP13215	<i>Desi</i>	Ca_Desig_Scaffold17866	505	(G/A)
37621	CadSNP13216	<i>Desi</i>	Ca_Desig_Scaffold17866	558	(G/A)
37622	CadSNP13217	<i>Desi</i>	Ca_Desig_Scaffold17866	553	(C/A)
37623	CadSNP13218	<i>Desi</i>	Ca_Desig_Scaffold17866	545	(C/T)
37624	CadSNP13219	<i>Desi</i>	Ca_Desig_Scaffold17866	536	(G/C)
37625	CadSNP13220	<i>Desi</i>	Ca_Desig_Scaffold17866	522	(G/T)
37626	CadSNP13221	<i>Desi</i>	Ca_Desig_Scaffold17872	1621	(G/T)
37627	CadSNP13222	<i>Desi</i>	Ca_Desig_Scaffold17972	702	(G/C)
37628	CadSNP13223	<i>Desi</i>	Ca_Desig_Scaffold17972	1169	(G/A)
37629	CadSNP13224	<i>Desi</i>	Ca_Desig_Scaffold17972	1176	(G/T)
37630	CadSNP13225	<i>Desi</i>	Ca_Desig_Scaffold17972	1177	(A/T)
37631	CadSNP13226	<i>Desi</i>	Ca_Desig_Scaffold17972	1178	(A/C)
37632	CadSNP13227	<i>Desi</i>	Ca_Desig_Scaffold182656	305	(G/T)
37633	CadSNP13228	<i>Desi</i>	Ca_Desig_Scaffold182656	316	(C/T)
37634	CadSNP13229	<i>Desi</i>	Ca_Desig_Scaffold182656	319	(T/G)
37635	CadSNP13230	<i>Desi</i>	Ca_Desig_Scaffold182656	333	(A/C)
37636	CadSNP13231	<i>Desi</i>	Ca_Desig_Scaffold182656	349	(A/C)
37637	CadSNP13232	<i>Desi</i>	Ca_Desig_Scaffold182656	441	(T/A)
37638	CadSNP13233	<i>Desi</i>	Ca_Desig_Scaffold182656	411	(G/T)
37639	CadSNP13234	<i>Desi</i>	Ca_Desig_Scaffold182656	398	(A/C)
37640	CadSNP13235	<i>Desi</i>	Ca_Desig_Scaffold182656	395	(A/T)
37641	CadSNP13236	<i>Desi</i>	Ca_Desig_Scaffold182656	385	(T/G)
37642	CadSNP13237	<i>Desi</i>	Ca_Desig_Scaffold182661	226	(G/C)
37643	CadSNP13238	<i>Desi</i>	Ca_Desig_Scaffold182661	207	(A/G)
37644	CadSNP13239	<i>Desi</i>	Ca_Desig_Scaffold182661	196	(C/G)
37645	CadSNP13240	<i>Desi</i>	Ca_Desig_Scaffold18322	1608	(G/T)
37646	CadSNP13241	<i>Desi</i>	Ca_Desig_Scaffold18445	1430	(A/G)
37647	CadSNP13242	<i>Desi</i>	Ca_Desig_Scaffold18445	1452	(G/T)
37648	CadSNP13243	<i>Desi</i>	Ca_Desig_Scaffold18545	708	(T/C)
37649	CadSNP13244	<i>Desi</i>	Ca_Desig_Scaffold18545	704	(G/T)
37650	CadSNP13245	<i>Desi</i>	Ca_Desig_Scaffold18679	854	(C/T)
37651	CadSNP13246	<i>Desi</i>	Ca_Desig_Scaffold18679	870	(G/A)
37652	CadSNP13247	<i>Desi</i>	Ca_Desig_Scaffold18769	916	(C/A)
37653	CadSNP13248	<i>Desi</i>	Ca_Desig_Scaffold18769	936	(C/T)
37654	CadSNP13249	<i>Desi</i>	Ca_Desig_Scaffold18769	891	(A/T)
37655	CadSNP13250	<i>Desi</i>	Ca_Desig_Scaffold18796	1523	(T/C)
37656	CadSNP13251	<i>Desi</i>	Ca_Desig_Scaffold18796	1522	(C/A)
37657	CadSNP13252	<i>Desi</i>	Ca_Desig_Scaffold18796	1517	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37658	CadSNP13253	<i>Desi</i>	Ca_Desig_Scaffold18796	1508	(T/A)
37659	CadSNP13254	<i>Desi</i>	Ca_Desig_Scaffold18796	1468	(A/T)
37660	CadSNP13255	<i>Desi</i>	Ca_Desig_Scaffold18844	650	(A/C)
37661	CadSNP13256	<i>Desi</i>	Ca_Desig_Scaffold18909	1717	(C/A)
37662	CadSNP13257	<i>Desi</i>	Ca_Desig_Scaffold19474	1492	(A/G)
37663	CadSNP13258	<i>Desi</i>	Ca_Desig_Scaffold19709	524	(C/T)
37664	CadSNP13259	<i>Desi</i>	Ca_Desig_Scaffold19709	908	(G/A)
37665	CadSNP13260	<i>Desi</i>	Ca_Desig_Scaffold19709	955	(C/T)
37666	CadSNP13261	<i>Desi</i>	Ca_Desig_Scaffold19709	954	(G/A)
37667	CadSNP13262	<i>Desi</i>	Ca_Desig_Scaffold19800	435	(G/T)
37668	CadSNP13263	<i>Desi</i>	Ca_Desig_Scaffold19800	444	(C/G)
37669	CadSNP13264	<i>Desi</i>	Ca_Desig_Scaffold19800	447	(C/A)
37670	CadSNP13265	<i>Desi</i>	Ca_Desig_Scaffold19810	1444	(C/T)
37671	CadSNP13266	<i>Desi</i>	Ca_Desig_Scaffold19810	1533	(C/A)
37672	CadSNP13267	<i>Desi</i>	Ca_Desig_Scaffold19810	1570	(T/A)
37673	CadSNP13268	<i>Desi</i>	Ca_Desig_Scaffold19830	1083	(C/T)
37674	CadSNP13269	<i>Desi</i>	Ca_Desig_Scaffold19830	1087	(G/A)
37675	CadSNP13270	<i>Desi</i>	Ca_Desig_Scaffold19830	1090	(C/T)
37676	CadSNP13271	<i>Desi</i>	Ca_Desig_Scaffold19830	1128	(A/G)
37677	CadSNP13272	<i>Desi</i>	Ca_Desig_Scaffold19865	974	(C/T)
37678	CadSNP13273	<i>Desi</i>	Ca_Desig_Scaffold20089	560	(A/C)
37679	CadSNP13274	<i>Desi</i>	Ca_Desig_Scaffold20089	599	(G/T)
37680	CadSNP13275	<i>Desi</i>	Ca_Desig_Scaffold20089	563	(A/G)
37681	CadSNP13276	<i>Desi</i>	Ca_Desig_Scaffold20089	677	(T/A)
37682	CadSNP13277	<i>Desi</i>	Ca_Desig_Scaffold20089	712	(G/A)
37683	CadSNP13278	<i>Desi</i>	Ca_Desig_Scaffold20089	740	(A/T)
37684	CadSNP13279	<i>Desi</i>	Ca_Desig_Scaffold20260	1374	(A/T)
37685	CadSNP13280	<i>Desi</i>	Ca_Desig_Scaffold20260	1425	(G/A)
37686	CadSNP13281	<i>Desi</i>	Ca_Desig_Scaffold20260	1392	(C/T)
37687	CadSNP13282	<i>Desi</i>	Ca_Desig_Scaffold20260	1378	(C/T)
37688	CadSNP13283	<i>Desi</i>	Ca_Desig_Scaffold20432	1481	(C/G)
37689	CadSNP13284	<i>Desi</i>	Ca_Desig_Scaffold20432	1465	(C/T)
37690	CadSNP13285	<i>Desi</i>	Ca_Desig_Scaffold20432	1448	(A/T)
37691	CadSNP13286	<i>Desi</i>	Ca_Desig_Scaffold20432	1441	(T/G)
37692	CadSNP13287	<i>Desi</i>	Ca_Desig_Scaffold20432	1426	(G/A)
37693	CadSNP13288	<i>Desi</i>	Ca_Desig_Scaffold20599	825	(A/T)
37694	CadSNP13289	<i>Desi</i>	Ca_Desig_Scaffold20599	1007	(T/A)
37695	CadSNP13290	<i>Desi</i>	Ca_Desig_Scaffold20677	1412	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37696	CadSNP13291	<i>Desi</i>	Ca_Desig_Scaffold20748	1315	(G/A)
37697	CadSNP13292	<i>Desi</i>	Ca_Desig_Scaffold20748	1279	(A/G)
37698	CadSNP13293	<i>Desi</i>	Ca_Desig_Scaffold20857	679	(G/A)
37699	CadSNP13294	<i>Desi</i>	Ca_Desig_Scaffold21104	776	(C/T)
37700	CadSNP13295	<i>Desi</i>	Ca_Desig_Scaffold21104	782	(C/T)
37701	CadSNP13296	<i>Desi</i>	Ca_Desig_Scaffold21180	389	(C/A)
37702	CadSNP13297	<i>Desi</i>	Ca_Desig_Scaffold21223	885	(G/A)
37703	CadSNP13298	<i>Desi</i>	Ca_Desig_Scaffold21344	707	(T/G)
37704	CadSNP13299	<i>Desi</i>	Ca_Desig_Scaffold21533	65	(G/A)
37705	CadSNP13300	<i>Desi</i>	Ca_Desig_Scaffold21930	346	(C/T)
37706	CadSNP13301	<i>Desi</i>	Ca_Desig_Scaffold21930	370	(G/A)
37707	CadSNP13302	<i>Desi</i>	Ca_Desig_Scaffold21930	372	(G/T)
37708	CadSNP13303	<i>Desi</i>	Ca_Desig_Scaffold21930	417	(G/A)
37709	CadSNP13304	<i>Desi</i>	Ca_Desig_Scaffold22140	1409	(A/T)
37710	CadSNP13305	<i>Desi</i>	Ca_Desig_Scaffold22369	813	(T/A)
37711	CadSNP13306	<i>Desi</i>	Ca_Desig_Scaffold22472	1327	(G/T)
37712	CadSNP13307	<i>Desi</i>	Ca_Desig_Scaffold22621	847	(C/T)
37713	CadSNP13308	<i>Desi</i>	Ca_Desig_Scaffold22621	824	(G/C)
37714	CadSNP13309	<i>Desi</i>	Ca_Desig_Scaffold22621	820	(T/G)
37715	CadSNP13310	<i>Desi</i>	Ca_Desig_Scaffold22621	806	(A/G)
37716	CadSNP13311	<i>Desi</i>	Ca_Desig_Scaffold23282	1208	(C/A)
37717	CadSNP13312	<i>Desi</i>	Ca_Desig_Scaffold23282	1227	(C/T)
37718	CadSNP13313	<i>Desi</i>	Ca_Desig_Scaffold23439	480	(G/T)
37719	CadSNP13314	<i>Desi</i>	Ca_Desig_Scaffold23439	546	(C/G)
37720	CadSNP13315	<i>Desi</i>	Ca_Desig_Scaffold23443	699	(G/A)
37721	CadSNP13316	<i>Desi</i>	Ca_Desig_Scaffold23695	340	(C/T)
37722	CadSNP13317	<i>Desi</i>	Ca_Desig_Scaffold23830	785	(A/G)
37723	CadSNP13318	<i>Desi</i>	Ca_Desig_Scaffold23830	834	(A/C)
37724	CadSNP13319	<i>Desi</i>	Ca_Desig_Scaffold23830	840	(A/G)
37725	CadSNP13320	<i>Desi</i>	Ca_Desig_Scaffold23921	326	(T/A)
37726	CadSNP13321	<i>Desi</i>	Ca_Desig_Scaffold23921	350	(G/A)
37727	CadSNP13322	<i>Desi</i>	Ca_Desig_Scaffold23922	1310	(A/G)
37728	CadSNP13323	<i>Desi</i>	Ca_Desig_Scaffold23922	1336	(G/A)
37729	CadSNP13324	<i>Desi</i>	Ca_Desig_Scaffold23922	1355	(T/G)
37730	CadSNP13325	<i>Desi</i>	Ca_Desig_Scaffold23922	1361	(G/A)
37731	CadSNP13326	<i>Desi</i>	Ca_Desig_Scaffold24254	499	(C/T)
37732	CadSNP13327	<i>Desi</i>	Ca_Desig_Scaffold24254	508	(G/A)
37733	CadSNP13328	<i>Desi</i>	Ca_Desig_Scaffold24254	552	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37734	CadSNP13329	<i>Desi</i>	Ca_Desig_Scaffold24554	632	(A/T)
37735	CadSNP13330	<i>Desi</i>	Ca_Desig_Scaffold24817	984	(C/T)
37736	CadSNP13331	<i>Desi</i>	Ca_Desig_Scaffold24817	1039	(A/T)
37737	CadSNP13332	<i>Desi</i>	Ca_Desig_Scaffold24829	577	(A/C)
37738	CadSNP13333	<i>Desi</i>	Ca_Desig_Scaffold24829	760	(C/T)
37739	CadSNP13334	<i>Desi</i>	Ca_Desig_Scaffold24829	744	(T/C)
37740	CadSNP13335	<i>Desi</i>	Ca_Desig_Scaffold24963	816	(C/T)
37741	CadSNP13336	<i>Desi</i>	Ca_Desig_Scaffold24994	397	(A/C)
37742	CadSNP13337	<i>Desi</i>	Ca_Desig_Scaffold24994	469	(G/C)
37743	CadSNP13338	<i>Desi</i>	Ca_Desig_Scaffold25004	756	(A/G)
37744	CadSNP13339	<i>Desi</i>	Ca_Desig_Scaffold25004	772	(C/T)
37745	CadSNP13340	<i>Desi</i>	Ca_Desig_Scaffold25004	827	(C/T)
37746	CadSNP13341	<i>Desi</i>	Ca_Desig_Scaffold25004	899	(A/G)
37747	CadSNP13342	<i>Desi</i>	Ca_Desig_Scaffold25004	944	(T/C)
37748	CadSNP13343	<i>Desi</i>	Ca_Desig_Scaffold25004	1002	(C/T)
37749	CadSNP13344	<i>Desi</i>	Ca_Desig_Scaffold25004	989	(G/A)
37750	CadSNP13345	<i>Desi</i>	Ca_Desig_Scaffold25004	1034	(C/T)
37751	CadSNP13346	<i>Desi</i>	Ca_Desig_Scaffold25004	1050	(G/A)
37752	CadSNP13347	<i>Desi</i>	Ca_Desig_Scaffold25004	1111	(C/T)
37753	CadSNP13348	<i>Desi</i>	Ca_Desig_Scaffold25157	734	(A/G)
37754	CadSNP13349	<i>Desi</i>	Ca_Desig_Scaffold25255	751	(C/T)
37755	CadSNP13350	<i>Desi</i>	Ca_Desig_Scaffold25255	787	(C/T)
37756	CadSNP13351	<i>Desi</i>	Ca_Desig_Scaffold25255	829	(T/C)
37757	CadSNP13352	<i>Desi</i>	Ca_Desig_Scaffold25497	668	(C/A)
37758	CadSNP13353	<i>Desi</i>	Ca_Desig_Scaffold25497	743	(T/C)
37759	CadSNP13354	<i>Desi</i>	Ca_Desig_Scaffold25634	183	(C/T)
37760	CadSNP13355	<i>Desi</i>	Ca_Desig_Scaffold25810	391	(G/C)
37761	CadSNP13356	<i>Desi</i>	Ca_Desig_Scaffold26119	556	(T/C)
37762	CadSNP13357	<i>Desi</i>	Ca_Desig_Scaffold26119	570	(C/A)
37763	CadSNP13358	<i>Desi</i>	Ca_Desig_Scaffold26119	572	(G/A)
37764	CadSNP13359	<i>Desi</i>	Ca_Desig_Scaffold26121	700	(G/C)
37765	CadSNP13360	<i>Desi</i>	Ca_Desig_Scaffold26121	843	(G/A)
37766	CadSNP13361	<i>Desi</i>	Ca_Desig_Scaffold26250	343	(C/T)
37767	CadSNP13362	<i>Desi</i>	Ca_Desig_Scaffold26303	381	(C/T)
37768	CadSNP13363	<i>Desi</i>	Ca_Desig_Scaffold26303	382	(C/T)
37769	CadSNP13364	<i>Desi</i>	Ca_Desig_Scaffold26303	443	(G/A)
37770	CadSNP13365	<i>Desi</i>	Ca_Desig_Scaffold26331	325	(T/A)
37771	CadSNP13366	<i>Desi</i>	Ca_Desig_Scaffold26728	977	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37772	CadSNP13367	<i>Desi</i>	Ca_Desig_Scaffold26728	1023	(G/A)
37773	CadSNP13368	<i>Desi</i>	Ca_Desig_Scaffold26728	1031	(G/A)
37774	CadSNP13369	<i>Desi</i>	Ca_Desig_Scaffold26728	1127	(A/G)
37775	CadSNP13370	<i>Desi</i>	Ca_Desig_Scaffold26728	1142	(G/A)
37776	CadSNP13371	<i>Desi</i>	Ca_Desig_Scaffold26728	1155	(G/C)
37777	CadSNP13372	<i>Desi</i>	Ca_Desig_Scaffold26754	252	(A/G)
37778	CadSNP13373	<i>Desi</i>	Ca_Desig_Scaffold26800	738	(C/T)
37779	CadSNP13374	<i>Desi</i>	Ca_Desig_Scaffold26800	705	(G/A)
37780	CadSNP13375	<i>Desi</i>	Ca_Desig_Scaffold26800	665	(G/T)
37781	CadSNP13376	<i>Desi</i>	Ca_Desig_Scaffold27355	593	(A/G)
37782	CadSNP13377	<i>Desi</i>	Ca_Desig_Scaffold27355	615	(A/T)
37783	CadSNP13378	<i>Desi</i>	Ca_Desig_Scaffold27355	655	(A/C)
37784	CadSNP13379	<i>Desi</i>	Ca_Desig_Scaffold27395	1114	(A/C)
37785	CadSNP13380	<i>Desi</i>	Ca_Desig_Scaffold27528	1074	(A/T)
37786	CadSNP13381	<i>Desi</i>	Ca_Desig_Scaffold27713	1164	(C/A)
37787	CadSNP13382	<i>Desi</i>	Ca_Desig_Scaffold27713	1168	(T/A)
37788	CadSNP13383	<i>Desi</i>	Ca_Desig_Scaffold27713	1160	(C/A)
37789	CadSNP13384	<i>Desi</i>	Ca_Desig_Scaffold27916	227	(A/T)
37790	CadSNP13385	<i>Desi</i>	Ca_Desig_Scaffold27975	358	(T/C)
37791	CadSNP13386	<i>Desi</i>	Ca_Desig_Scaffold27975	367	(C/A)
37792	CadSNP13387	<i>Desi</i>	Ca_Desig_Scaffold27975	551	(G/T)
37793	CadSNP13388	<i>Desi</i>	Ca_Desig_Scaffold27975	589	(G/A)
37794	CadSNP13389	<i>Desi</i>	Ca_Desig_Scaffold28068	745	(T/C)
37795	CadSNP13390	<i>Desi</i>	Ca_Desig_Scaffold28068	808	(G/A)
37796	CadSNP13391	<i>Desi</i>	Ca_Desig_Scaffold28189	780	(C/T)
37797	CadSNP13392	<i>Desi</i>	Ca_Desig_Scaffold28252	613	(C/T)
37798	CadSNP13393	<i>Desi</i>	Ca_Desig_Scaffold28399	21	(T/C)
37799	CadSNP13394	<i>Desi</i>	Ca_Desig_Scaffold28419	973	(C/T)
37800	CadSNP13395	<i>Desi</i>	Ca_Desig_Scaffold28553	270	(T/C)
37801	CadSNP13396	<i>Desi</i>	Ca_Desig_Scaffold28553	408	(C/T)
37802	CadSNP13397	<i>Desi</i>	Ca_Desig_Scaffold28553	384	(C/A)
37803	CadSNP13398	<i>Desi</i>	Ca_Desig_Scaffold28553	380	(G/T)
37804	CadSNP13399	<i>Desi</i>	Ca_Desig_Scaffold28553	373	(A/C)
37805	CadSNP13400	<i>Desi</i>	Ca_Desig_Scaffold28553	354	(C/T)
37806	CadSNP13401	<i>Desi</i>	Ca_Desig_Scaffold28710	904	(C/T)
37807	CadSNP13402	<i>Desi</i>	Ca_Desig_Scaffold28710	959	(C/A)
37808	CadSNP13403	<i>Desi</i>	Ca_Desig_Scaffold28710	960	(G/A)
37809	CadSNP13404	<i>Desi</i>	Ca_Desig_Scaffold28710	1003	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37810	CadSNP13405	<i>Desi</i>	Ca_Desig_Scaffold29246	362	(C/T)
37811	CadSNP13406	<i>Desi</i>	Ca_Desig_Scaffold29344	70	(G/A)
37812	CadSNP13407	<i>Desi</i>	Ca_Desig_Scaffold29344	50	(G/A)
37813	CadSNP13408	<i>Desi</i>	Ca_Desig_Scaffold29344	31	(C/T)
37814	CadSNP13409	<i>Desi</i>	Ca_Desig_Scaffold29344	30	(G/A)
37815	CadSNP13410	<i>Desi</i>	Ca_Desig_Scaffold29387	594	(T/C)
37816	CadSNP13411	<i>Desi</i>	Ca_Desig_Scaffold29549	804	(G/A)
37817	CadSNP13412	<i>Desi</i>	Ca_Desig_Scaffold29549	869	(G/T)
37818	CadSNP13413	<i>Desi</i>	Ca_Desig_Scaffold29682	309	(G/A)
37819	CadSNP13414	<i>Desi</i>	Ca_Desig_Scaffold29815	324	(A/G)
37820	CadSNP13415	<i>Desi</i>	Ca_Desig_Scaffold30384	250	(C/T)
37821	CadSNP13416	<i>Desi</i>	Ca_Desig_Scaffold30384	298	(C/T)
37822	CadSNP13417	<i>Desi</i>	Ca_Desig_Scaffold30559	997	(T/A)
37823	CadSNP13418	<i>Desi</i>	Ca_Desig_Scaffold30611	393	(G/A)
37824	CadSNP13419	<i>Desi</i>	Ca_Desig_Scaffold30720	837	(A/G)
37825	CadSNP13420	<i>Desi</i>	Ca_Desig_Scaffold30793	640	(C/T)
37826	CadSNP13421	<i>Desi</i>	Ca_Desig_Scaffold30793	602	(G/A)
37827	CadSNP13422	<i>Desi</i>	Ca_Desig_Scaffold30793	581	(G/T)
37828	CadSNP13423	<i>Desi</i>	Ca_Desig_Scaffold31074	529	(A/G)
37829	CadSNP13424	<i>Desi</i>	Ca_Desig_Scaffold31201	962	(C/T)
37830	CadSNP13425	<i>Desi</i>	Ca_Desig_Scaffold31305	846	(C/T)
37831	CadSNP13426	<i>Desi</i>	Ca_Desig_Scaffold31408	671	(T/G)
37832	CadSNP13427	<i>Desi</i>	Ca_Desig_Scaffold31955	584	(C/A)
37833	CadSNP13428	<i>Desi</i>	Ca_Desig_Scaffold31955	610	(A/T)
37834	CadSNP13429	<i>Desi</i>	Ca_Desig_Scaffold31955	617	(G/A)
37835	CadSNP13430	<i>Desi</i>	Ca_Desig_Scaffold31955	631	(T/C)
37836	CadSNP13431	<i>Desi</i>	Ca_Desig_Scaffold32029	498	(C/T)
37837	CadSNP13432	<i>Desi</i>	Ca_Desig_Scaffold32029	472	(A/T)
37838	CadSNP13433	<i>Desi</i>	Ca_Desig_Scaffold32029	453	(C/A)
37839	CadSNP13434	<i>Desi</i>	Ca_Desig_Scaffold32170	413	(C/G)
37840	CadSNP13435	<i>Desi</i>	Ca_Desig_Scaffold32231	614	(C/G)
37841	CadSNP13436	<i>Desi</i>	Ca_Desig_Scaffold32231	638	(C/T)
37842	CadSNP13437	<i>Desi</i>	Ca_Desig_Scaffold32231	642	(G/A)
37843	CadSNP13438	<i>Desi</i>	Ca_Desig_Scaffold32231	648	(C/T)
37844	CadSNP13439	<i>Desi</i>	Ca_Desig_Scaffold32231	728	(A/T)
37845	CadSNP13440	<i>Desi</i>	Ca_Desig_Scaffold32231	684	(C/A)
37846	CadSNP13441	<i>Desi</i>	Ca_Desig_Scaffold32231	680	(C/T)
37847	CadSNP13442	<i>Desi</i>	Ca_Desig_Scaffold32231	654	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37848	CadSNP13443	<i>Desi</i>	Ca_Desig_Scaffold32231	730	(G/A)
37849	CadSNP13444	<i>Desi</i>	Ca_Desig_Scaffold32231	729	(G/A)
37850	CadSNP13445	<i>Desi</i>	Ca_Desig_Scaffold32292	336	(C/T)
37851	CadSNP13446	<i>Desi</i>	Ca_Desig_Scaffold32488	757	(G/T)
37852	CadSNP13447	<i>Desi</i>	Ca_Desig_Scaffold32742	451	(C/T)
37853	CadSNP13448	<i>Desi</i>	Ca_Desig_Scaffold32922	822	(C/T)
37854	CadSNP13449	<i>Desi</i>	Ca_Desig_Scaffold32922	887	(T/C)
37855	CadSNP13450	<i>Desi</i>	Ca_Desig_Scaffold32922	817	(T/A)
37856	CadSNP13451	<i>Desi</i>	Ca_Desig_Scaffold33002	633	(A/G)
37857	CadSNP13452	<i>Desi</i>	Ca_Desig_Scaffold33030	833	(A/G)
37858	CadSNP13453	<i>Desi</i>	Ca_Desig_Scaffold33287	791	(T/A)
37859	CadSNP13454	<i>Desi</i>	Ca_Desig_Scaffold33819	523	(G/C)
37860	CadSNP13455	<i>Desi</i>	Ca_Desig_Scaffold34430	662	(G/T)
37861	CadSNP13456	<i>Desi</i>	Ca_Desig_Scaffold34904	794	(T/A)
37862	CadSNP13457	<i>Desi</i>	Ca_Desig_Scaffold34904	809	(T/A)
37863	CadSNP13458	<i>Desi</i>	Ca_Desig_Scaffold35437	548	(G/A)
37864	CadSNP13459	<i>Desi</i>	Ca_Desig_Scaffold35437	534	(C/T)
37865	CadSNP13460	<i>Desi</i>	Ca_Desig_Scaffold35437	582	(A/G)
37866	CadSNP13461	<i>Desi</i>	Ca_Desig_Scaffold35538	465	(G/A)
37867	CadSNP13462	<i>Desi</i>	Ca_Desig_Scaffold35948	641	(G/A)
37868	CadSNP13463	<i>Desi</i>	Ca_Desig_Scaffold37217	481	(T/C)
37869	CadSNP13464	<i>Desi</i>	Ca_Desig_Scaffold37300	555	(A/G)
37870	CadSNP13465	<i>Desi</i>	Ca_Desig_Scaffold37300	554	(C/T)
37871	CadSNP13466	<i>Desi</i>	Ca_Desig_Scaffold37822	285	(G/A)
37872	CadSNP13467	<i>Desi</i>	Ca_Desig_Scaffold37878	320	(T/A)
37873	CadSNP13468	<i>Desi</i>	Ca_Desig_Scaffold37878	334	(G/C)
37874	CadSNP13469	<i>Desi</i>	Ca_Desig_Scaffold37878	559	(C/T)
37875	CadSNP13470	<i>Desi</i>	Ca_Desig_Scaffold37878	689	(T/G)
37876	CadSNP13471	<i>Desi</i>	Ca_Desig_Scaffold38042	803	(T/G)
37877	CadSNP13472	<i>Desi</i>	Ca_Desig_Scaffold38042	802	(T/A)
37878	CadSNP13473	<i>Desi</i>	Ca_Desig_Scaffold38182	10	(T/C)
37879	CadSNP13474	<i>Desi</i>	Ca_Desig_Scaffold38400	784	(A/G)
37880	CadSNP13475	<i>Desi</i>	Ca_Desig_Scaffold38480	739	(C/A)
37881	CadSNP13476	<i>Desi</i>	Ca_Desig_Scaffold38480	815	(T/G)
37882	CadSNP13477	<i>Desi</i>	Ca_Desig_Scaffold39056	697	(G/A)
37883	CadSNP13478	<i>Desi</i>	Ca_Desig_Scaffold39064	597	(C/T)
37884	CadSNP13479	<i>Desi</i>	Ca_Desig_Scaffold39879	488	(C/T)
37885	CadSNP13480	<i>Desi</i>	Ca_Desig_Scaffold40313	245	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37886	CadSNP13481	<i>Desi</i>	Ca_Desig_Scaffold40313	213	(G/C)
37887	CadSNP13482	<i>Desi</i>	Ca_Desig_Scaffold40463	171	(G/T)
37888	CadSNP13483	<i>Desi</i>	Ca_Desig_Scaffold40758	812	(G/A)
37889	CadSNP13484	<i>Desi</i>	Ca_Desig_Scaffold41141	621	(A/G)
37890	CadSNP13485	<i>Desi</i>	Ca_Desig_Scaffold41141	608	(C/T)
37891	CadSNP13486	<i>Desi</i>	Ca_Desig_Scaffold41269	360	(A/G)
37892	CadSNP13487	<i>Desi</i>	Ca_Desig_Scaffold41733	687	(G/A)
37893	CadSNP13488	<i>Desi</i>	Ca_Desig_Scaffold41756	703	(T/A)
37894	CadSNP13489	<i>Desi</i>	Ca_Desig_Scaffold42097	118	(C/T)
37895	CadSNP13490	<i>Desi</i>	Ca_Desig_Scaffold42202	338	(G/A)
37896	CadSNP13491	<i>Desi</i>	Ca_Desig_Scaffold42442	774	(C/T)
37897	CadSNP13492	<i>Desi</i>	Ca_Desig_Scaffold42669	578	(G/A)
37898	CadSNP13493	<i>Desi</i>	Ca_Desig_Scaffold42739	377	(T/C)
37899	CadSNP13494	<i>Desi</i>	Ca_Desig_Scaffold42739	526	(G/A)
37900	CadSNP13495	<i>Desi</i>	Ca_Desig_Scaffold42739	495	(G/A)
37901	CadSNP13496	<i>Desi</i>	Ca_Desig_Scaffold43101	749	(C/A)
37902	CadSNP13497	<i>Desi</i>	Ca_Desig_Scaffold43101	725	(G/A)
37903	CadSNP13498	<i>Desi</i>	Ca_Desig_Scaffold43309	550	(C/A)
37904	CadSNP13499	<i>Desi</i>	Ca_Desig_Scaffold43309	574	(T/G)
37905	CadSNP13500	<i>Desi</i>	Ca_Desig_Scaffold43671	737	(G/A)
37906	CadSNP13501	<i>Desi</i>	Ca_Desig_Scaffold43744	419	(G/A)
37907	CadSNP13502	<i>Desi</i>	Ca_Desig_Scaffold43875	520	(T/C)
37908	CadSNP13503	<i>Desi</i>	Ca_Desig_Scaffold43875	590	(C/G)
37909	CadSNP13504	<i>Desi</i>	Ca_Desig_Scaffold43875	591	(G/T)
37910	CadSNP13505	<i>Desi</i>	Ca_Desig_Scaffold44132	746	(C/T)
37911	CadSNP13506	<i>Desi</i>	Ca_Desig_Scaffold44461	396	(A/G)
37912	CadSNP13507	<i>Desi</i>	Ca_Desig_Scaffold44461	365	(C/T)
37913	CadSNP13508	<i>Desi</i>	Ca_Desig_Scaffold44461	348	(C/T)
37914	CadSNP13509	<i>Desi</i>	Ca_Desig_Scaffold44461	378	(C/G)
37915	CadSNP13510	<i>Desi</i>	Ca_Desig_Scaffold44945	300	(T/C)
37916	CadSNP13511	<i>Desi</i>	Ca_Desig_Scaffold45025	281	(G/A)
37917	CadSNP13512	<i>Desi</i>	Ca_Desig_Scaffold45246	497	(A/G)
37918	CadSNP13513	<i>Desi</i>	Ca_Desig_Scaffold46094	643	(T/C)
37919	CadSNP13514	<i>Desi</i>	Ca_Desig_Scaffold46306	361	(C/G)
37920	CadSNP13515	<i>Desi</i>	Ca_Desig_Scaffold46658	673	(G/A)
37921	CadSNP13516	<i>Desi</i>	Ca_Desig_Scaffold46822	588	(C/G)
37922	CadSNP13517	<i>Desi</i>	Ca_Desig_Scaffold46822	635	(G/T)
37923	CadSNP13518	<i>Desi</i>	Ca_Desig_Scaffold47543	721	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37924	CadSNP13519	<i>Desi</i>	Ca_Desig_Scaffold48244	585	(C/A)
37925	CadSNP13520	<i>Desi</i>	Ca_Desig_Scaffold48712	667	(T/C)
37926	CadSNP13521	<i>Desi</i>	Ca_Desig_Scaffold49023	503	(C/A)
37927	CadSNP13522	<i>Desi</i>	Ca_Desig_Scaffold49478	266	(C/G)
37928	CadSNP13523	<i>Desi</i>	Ca_Desig_Scaffold49745	452	(C/T)
37929	CadSNP13524	<i>Desi</i>	Ca_Desig_Scaffold49745	445	(A/G)
37930	CadSNP13525	<i>Desi</i>	Ca_Desig_Scaffold49745	436	(C/T)
37931	CadSNP13526	<i>Desi</i>	Ca_Desig_Scaffold49745	418	(G/A)
37932	CadSNP13527	<i>Desi</i>	Ca_Desig_Scaffold49745	415	(C/T)
37933	CadSNP13528	<i>Desi</i>	Ca_Desig_Scaffold49745	414	(G/T)
37934	CadSNP13529	<i>Desi</i>	Ca_Desig_Scaffold49745	454	(T/C)
37935	CadSNP13530	<i>Desi</i>	Ca_Desig_Scaffold50638	510	(C/T)
37936	CadSNP13531	<i>Desi</i>	Ca_Desig_Scaffold50785	634	(A/C)
37937	CadSNP13532	<i>Desi</i>	Ca_Desig_Scaffold51374	446	(C/G)
37938	CadSNP13533	<i>Desi</i>	Ca_Desig_Scaffold51374	438	(G/A)
37939	CadSNP13534	<i>Desi</i>	Ca_Desig_Scaffold51516	240	(G/T)
37940	CadSNP13535	<i>Desi</i>	Ca_Desig_Scaffold52176	564	(A/G)
37941	CadSNP13536	<i>Desi</i>	Ca_Desig_Scaffold52463	611	(T/C)
37942	CadSNP13537	<i>Desi</i>	Ca_Desig_Scaffold52878	490	(T/C)
37943	CadSNP13538	<i>Desi</i>	Ca_Desig_Scaffold53048	566	(T/A)
37944	CadSNP13539	<i>Desi</i>	Ca_Desig_Scaffold53452	279	(C/T)
37945	CadSNP13540	<i>Desi</i>	Ca_Desig_Scaffold53674	486	(G/A)
37946	CadSNP13541	<i>Desi</i>	Ca_Desig_Scaffold53899	600	(C/T)
37947	CadSNP13542	<i>Desi</i>	Ca_Desig_Scaffold53975	383	(G/A)
37948	CadSNP13543	<i>Desi</i>	Ca_Desig_Scaffold53975	399	(C/T)
37949	CadSNP13544	<i>Desi</i>	Ca_Desig_Scaffold54505	12	(C/G)
37950	CadSNP13545	<i>Desi</i>	Ca_Desig_Scaffold54733	516	(C/T)
37951	CadSNP13546	<i>Desi</i>	Ca_Desig_Scaffold54733	627	(G/A)
37952	CadSNP13547	<i>Desi</i>	Ca_Desig_Scaffold55053	531	(A/T)
37953	CadSNP13548	<i>Desi</i>	Ca_Desig_Scaffold56250	402	(G/T)
37954	CadSNP13549	<i>Desi</i>	Ca_Desig_Scaffold56837	280	(C/T)
37955	CadSNP13550	<i>Desi</i>	Ca_Desig_Scaffold57082	604	(G/A)
37956	CadSNP13551	<i>Desi</i>	Ca_Desig_Scaffold57669	363	(T/A)
37957	CadSNP13552	<i>Desi</i>	Ca_Desig_Scaffold58124	542	(G/T)
37958	CadSNP13553	<i>Desi</i>	Ca_Desig_Scaffold60575	425	(C/A)
37959	CadSNP13554	<i>Desi</i>	Ca_Desig_Scaffold60695	494	(G/C)
37960	CadSNP13555	<i>Desi</i>	Ca_Desig_Scaffold60788	388	(A/G)
37961	CadSNP13556	<i>Desi</i>	Ca_Desig_Scaffold61552	315	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
37962	CadSNP13557	<i>Desi</i>	Ca_Desig_Scaffold61552	342	(G/A)
37963	CadSNP13558	<i>Desi</i>	Ca_Desig_Scaffold62018	352	(T/A)
37964	CadSNP13559	<i>Desi</i>	Ca_Desig_Scaffold62150	327	(G/A)
37965	CadSNP13560	<i>Desi</i>	Ca_Desig_Scaffold62237	262	(G/A)
37966	CadSNP13561	<i>Desi</i>	Ca_Desig_Scaffold62517	331	(T/A)
37967	CadSNP13562	<i>Desi</i>	Ca_Desig_Scaffold63416	368	(T/C)
37968	CadSNP13563	<i>Desi</i>	Ca_Desig_Scaffold63520	328	(G/T)
37969	CadSNP13564	<i>Desi</i>	Ca_Desig_Scaffold63979	253	(C/T)
37970	CadSNP13565	<i>Desi</i>	Ca_Desig_Scaffold63979	251	(G/T)
37971	CadSNP13566	<i>Desi</i>	Ca_Desig_Scaffold65758	322	(T/C)
37972	CadSNP13567	<i>Desi</i>	Ca_Desig_Scaffold65758	294	(A/G)
37973	CadSNP13568	<i>Desi</i>	Ca_Desig_Scaffold65877	487	(T/G)
37974	CadSNP13569	<i>Desi</i>	Ca_Desig_Scaffold66217	483	(C/T)
37975	CadSNP13570	<i>Desi</i>	Ca_Desig_Scaffold66217	513	(T/C)
37976	CadSNP13571	<i>Desi</i>	Ca_Desig_Scaffold67561	406	(G/A)
37977	CadSNP13572	<i>Desi</i>	Ca_Desig_Scaffold67598	339	(C/A)
37978	CadSNP13573	<i>Desi</i>	Ca_Desig_Scaffold67598	375	(A/G)
37979	CadSNP13574	<i>Desi</i>	Ca_Desig_Scaffold67680	311	(T/C)
37980	CadSNP13575	<i>Desi</i>	Ca_Desig_Scaffold67680	289	(A/G)
37981	CadSNP13576	<i>Desi</i>	Ca_Desig_Scaffold67680	267	(G/A)
37982	CadSNP13577	<i>Desi</i>	Ca_Desig_Scaffold69479	492	(C/A)
37983	CadSNP13578	<i>Desi</i>	Ca_Desig_Scaffold69479	507	(C/T)
37984	CadSNP13579	<i>Desi</i>	Ca_Desig_Scaffold74426	312	(C/A)
37985	CadSNP13580	<i>Desi</i>	Ca_Desig_Scaffold74426	430	(A/T)
37986	CadSNP13581	<i>Desi</i>	Ca_Desig_Scaffold75819	407	(C/T)
37987	CadSNP13582	<i>Desi</i>	Ca_Desig_Scaffold76157	295	(C/G)
37988	CadSNP13583	<i>Desi</i>	Ca_Desig_Scaffold78148	357	(T/C)
37989	CadSNP13584	<i>Desi</i>	Ca_Desig_Scaffold78466	16	(C/T)
37990	CadSNP13585	<i>Desi</i>	Ca_Desig_Scaffold81266	371	(A/G)
37991	CadSNP13586	<i>Desi</i>	Ca_Desig_Scaffold81770	42	(C/A)
37992	CadSNP13587	<i>Desi</i>	Ca_Desig_Scaffold83405	288	(C/A)
37993	CadSNP13588	<i>Desi</i>	Ca_Desig_Scaffold84366	403	(T/A)
37994	CadSNP13589	<i>Desi</i>	Ca_Desig_Scaffold84366	409	(G/A)
37995	CadSNP13590	<i>Desi</i>	Ca_Desig_Scaffold86166	337	(C/T)
37996	CadSNP13591	<i>Desi</i>	Ca_Desig_Scaffold86747	359	(C/T)
37997	CadSNP13592	<i>Desi</i>	Ca_Desig_Scaffold92957	323	(C/T)
37998	CadSNP13593	<i>Desi</i>	Ca_Desig_Scaffold95841	38	(A/T)
37999	CadSNP13594	<i>Desi</i>	Ca_Desig_denovo	1691	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38000	CadSNP13595	<i>Desi</i>	Ca_Desig_denovo	1706	(A/G)
38001	CadSNP13596	<i>Desi</i>	Ca_Desig_denovo	1707	(A/G)
38002	CadSNP13597	<i>Desi</i>	Ca_Desig_denovo	1719	(G/A)
38003	CadSNP13598	<i>Desi</i>	Ca_Desig_denovo	1721	(C/G)
38004	CadSNP13599	<i>Desi</i>	Ca_Desig_denovo	1723	(C/G)
38005	CadSNP13600	<i>Desi</i>	Ca_Desig_denovo	1724	(A/G)
38006	CadSNP13601	<i>Desi</i>	Ca_Desig_denovo	1737	(A/C)
38007	CadSNP13602	<i>Desi</i>	Ca_Desig_denovo	1751	(A/G)
38008	CadSNP13603	<i>Desi</i>	Ca_Desig_denovo	1754	(A/G)
38009	CadSNP13604	<i>Desi</i>	Ca_Desig_denovo	3019	(A/T)
38010	CadSNP13605	<i>Desi</i>	Ca_Desig_denovo	5897	(T/G)
38011	CadSNP13606	<i>Desi</i>	Ca_Desig_denovo	5904	(T/G)
38012	CadSNP13607	<i>Desi</i>	Ca_Desig_denovo	12291	(T/C)
38013	CadSNP13608	<i>Desi</i>	Ca_Desig_denovo	13451	(T/G)
38014	CadSNP13609	<i>Desi</i>	Ca_Desig_denovo	15902	(C/A)
38015	CadSNP13610	<i>Desi</i>	Ca_Desig_denovo	15904	(G/A)
38016	CadSNP13611	<i>Desi</i>	Ca_Desig_denovo	21276	(C/G)
38017	CadSNP13612	<i>Desi</i>	Ca_Desig_denovo	22489	(T/C)
38018	CadSNP13613	<i>Desi</i>	Ca_Desig_denovo	27061	(A/C)
38019	CadSNP13614	<i>Desi</i>	Ca_Desig_denovo	27900	(A/C)
38020	CadSNP13615	<i>Desi</i>	Ca_Desig_denovo	32583	(A/C)
38021	CadSNP13616	<i>Desi</i>	Ca_Desig_denovo	34314	(A/C)
38022	CadSNP13617	<i>Desi</i>	Ca_Desig_denovo	34317	(T/A)
38023	CadSNP13618	<i>Desi</i>	Ca_Desig_denovo	34612	(A/G)
38024	CadSNP13619	<i>Desi</i>	Ca_Desig_denovo	34658	(A/G)
38025	CadSNP13620	<i>Desi</i>	Ca_Desig_denovo	35261	(A/G)
38026	CadSNP13621	<i>Desi</i>	Ca_Desig_denovo	38443	(C/T)
38027	CadSNP13622	<i>Desi</i>	Ca_Desig_denovo	38951	(T/C)
38028	CadSNP13623	<i>Desi</i>	Ca_Desig_denovo	46461	(G/T)
38029	CadSNP13624	<i>Desi</i>	Ca_Desig_denovo	49382	(T/C)
38030	CadSNP13625	<i>Desi</i>	Ca_Desig_denovo	51651	(T/G)
38031	CadSNP13626	<i>Desi</i>	Ca_Desig_denovo	52494	(T/C)
38032	CadSNP13627	<i>Desi</i>	Ca_Desig_denovo	52575	(T/C)
38033	CadSNP13628	<i>Desi</i>	Ca_Desig_denovo	54507	(G/A)
38034	CadSNP13629	<i>Desi</i>	Ca_Desig_denovo	54557	(A/G)
38035	CadSNP13630	<i>Desi</i>	Ca_Desig_denovo	61307	(T/C)
38036	CadSNP13631	<i>Desi</i>	Ca_Desig_denovo	64076	(A/C)
38037	CadSNP13632	<i>Desi</i>	Ca_Desig_denovo	65650	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38038	CadSNP13633	<i>Desi</i>	Ca_Desig_denovo	70232	(G/A)
38039	CadSNP13634	<i>Desi</i>	Ca_Desig_denovo	72807	(A/C)
38040	CadSNP13635	<i>Desi</i>	Ca_Desig_denovo	73708	(C/A)
38041	CadSNP13636	<i>Desi</i>	Ca_Desig_denovo	76491	(G/T)
38042	CadSNP13637	<i>Desi</i>	Ca_Desig_denovo	77283	(A/C)
38043	CadSNP13638	<i>Desi</i>	Ca_Desig_denovo	77284	(G/A)
38044	CadSNP13639	<i>Desi</i>	Ca_Desig_denovo	79642	(G/A)
38045	CadSNP13640	<i>Desi</i>	Ca_Desig_denovo	83265	(T/C)
38046	CadSNP13641	<i>Desi</i>	Ca_Desig_denovo	83979	(C/A)
38047	CadSNP13642	<i>Desi</i>	Ca_Desig_denovo	83980	(A/G)
38048	CadSNP13643	<i>Desi</i>	Ca_Desig_denovo	84480	(C/T)
38049	CadSNP13644	<i>Desi</i>	Ca_Desig_denovo	86210	(A/C)
38050	CadSNP13645	<i>Desi</i>	Ca_Desig_denovo	89140	(G/A)
38051	CadSNP13646	<i>Desi</i>	Ca_Desig_denovo	89939	(G/C)
38052	CadSNP13647	<i>Desi</i>	Ca_Desig_denovo	92292	(G/A)
38053	CadSNP13648	<i>Desi</i>	Ca_Desig_denovo	93471	(C/G)
38054	CadSNP13649	<i>Desi</i>	Ca_Desig_denovo	95939	(T/G)
38055	CadSNP13650	<i>Desi</i>	Ca_Desig_denovo	98343	(G/T)
38056	CadSNP13651	<i>Desi</i>	Ca_Desig_denovo	98430	(C/T)
38057	CadSNP13652	<i>Desi</i>	Ca_Desig_denovo	98485	(T/G)
38058	CadSNP13653	<i>Desi</i>	Ca_Desig_denovo	98515	(A/G)
38059	CadSNP13654	<i>Desi</i>	Ca_Desig_denovo	98616	(C/T)
38060	CadSNP13655	<i>Desi</i>	Ca_Desig_denovo	98709	(C/T)
38061	CadSNP13656	<i>Desi</i>	Ca_Desig_denovo	98787	(T/C)
38062	CadSNP13657	<i>Desi</i>	Ca_Desig_denovo	98802	(C/T)
38063	CadSNP13658	<i>Desi</i>	Ca_Desig_denovo	98962	(A/G)
38064	CadSNP13659	<i>Desi</i>	Ca_Desig_denovo	98971	(G/A)
38065	CadSNP13660	<i>Desi</i>	Ca_Desig_denovo	99009	(A/C)
38066	CadSNP13661	<i>Desi</i>	Ca_Desig_denovo	99081	(C/T)
38067	CadSNP13662	<i>Desi</i>	Ca_Desig_denovo	99167	(T/G)
38068	CadSNP13663	<i>Desi</i>	Ca_Desig_denovo	99333	(A/G)
38069	CadSNP13664	<i>Desi</i>	Ca_Desig_denovo	99342	(G/A)
38070	CadSNP13665	<i>Desi</i>	Ca_Desig_denovo	99352	(A/G)
38071	CadSNP13666	<i>Desi</i>	Ca_Desig_denovo	99360	(C/T)
38072	CadSNP13667	<i>Desi</i>	Ca_Desig_denovo	99361	(A/C)
38073	CadSNP13668	<i>Desi</i>	Ca_Desig_denovo	99403	(G/A)
38074	CadSNP13669	<i>Desi</i>	Ca_Desig_denovo	99527	(C/A)
38075	CadSNP13670	<i>Desi</i>	Ca_Desig_denovo	99546	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38076	CadSNP13671	<i>Desi</i>	Ca_Desig_denovo	99565	(A/C)
38077	CadSNP13672	<i>Desi</i>	Ca_Desig_denovo	99643	(T/G)
38078	CadSNP13673	<i>Desi</i>	Ca_Desig_denovo	99707	(A/G)
38079	CadSNP13674	<i>Desi</i>	Ca_Desig_denovo	99736	(T/G)
38080	CadSNP13675	<i>Desi</i>	Ca_Desig_denovo	99743	(C/A)
38081	CadSNP13676	<i>Desi</i>	Ca_Desig_denovo	99754	(A/C)
38082	CadSNP13677	<i>Desi</i>	Ca_Desig_denovo	99825	(C/T)
38083	CadSNP13678	<i>Desi</i>	Ca_Desig_denovo	101459	(T/G)
38084	CadSNP13679	<i>Desi</i>	Ca_Desig_denovo	103071	(A/G)
38085	CadSNP13680	<i>Desi</i>	Ca_Desig_denovo	103119	(T/C)
38086	CadSNP13681	<i>Desi</i>	Ca_Desig_denovo	103132	(T/G)
38087	CadSNP13682	<i>Desi</i>	Ca_Desig_denovo	105180	(T/C)
38088	CadSNP13683	<i>Desi</i>	Ca_Desig_denovo	105181	(C/G)
38089	CadSNP13684	<i>Desi</i>	Ca_Desig_denovo	105182	(A/T)
38090	CadSNP13685	<i>Desi</i>	Ca_Desig_denovo	105184	(C/T)
38091	CadSNP13686	<i>Desi</i>	Ca_Desig_denovo	106972	(T/C)
38092	CadSNP13687	<i>Desi</i>	Ca_Desig_denovo	107022	(C/T)
38093	CadSNP13688	<i>Desi</i>	Ca_Desig_denovo	108718	(A/C)
38094	CadSNP13689	<i>Desi</i>	Ca_Desig_denovo	110777	(T/G)
38095	CadSNP13690	<i>Desi</i>	Ca_Desig_denovo	110961	(C/G)
38096	CadSNP13691	<i>Desi</i>	Ca_Desig_denovo	110979	(G/A)
38097	CadSNP13692	<i>Desi</i>	Ca_Desig_denovo	111072	(G/A)
38098	CadSNP13693	<i>Desi</i>	Ca_Desig_denovo	111089	(C/A)
38099	CadSNP13694	<i>Desi</i>	Ca_Desig_denovo	111144	(C/G)
38100	CadSNP13695	<i>Desi</i>	Ca_Desig_denovo	111165	(G/A)
38101	CadSNP13696	<i>Desi</i>	Ca_Desig_denovo	111177	(T/G)
38102	CadSNP13697	<i>Desi</i>	Ca_Desig_denovo	111181	(C/G)
38103	CadSNP13698	<i>Desi</i>	Ca_Desig_denovo	111182	(C/G)
38104	CadSNP13699	<i>Desi</i>	Ca_Desig_denovo	111251	(T/G)
38105	CadSNP13700	<i>Desi</i>	Ca_Desig_denovo	111258	(G/A)
38106	CadSNP13701	<i>Desi</i>	Ca_Desig_denovo	111276	(C/A)
38107	CadSNP13702	<i>Desi</i>	Ca_Desig_denovo	111351	(G/A)
38108	CadSNP13703	<i>Desi</i>	Ca_Desig_denovo	111444	(G/A)
38109	CadSNP13704	<i>Desi</i>	Ca_Desig_denovo	111508	(C/G)
38110	CadSNP13705	<i>Desi</i>	Ca_Desig_denovo	111523	(C/A)
38111	CadSNP13706	<i>Desi</i>	Ca_Desig_denovo	111537	(G/A)
38112	CadSNP13707	<i>Desi</i>	Ca_Desig_denovo	111581	(G/C)
38113	CadSNP13708	<i>Desi</i>	Ca_Desig_denovo	111723	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38114	CadSNP13709	<i>Desi</i>	Ca_Desig_denovo	111731	(T/G)
38115	CadSNP13710	<i>Desi</i>	Ca_Desig_denovo	111909	(G/A)
38116	CadSNP13711	<i>Desi</i>	Ca_Desig_denovo	111918	(A/G)
38117	CadSNP13712	<i>Desi</i>	Ca_Desig_denovo	111946	(A/G)
38118	CadSNP13713	<i>Desi</i>	Ca_Desig_denovo	111951	(A/G)
38119	CadSNP13714	<i>Desi</i>	Ca_Desig_denovo	111989	(A/G)
38120	CadSNP13715	<i>Desi</i>	Ca_Desig_denovo	112000	(T/G)
38121	CadSNP13716	<i>Desi</i>	Ca_Desig_denovo	112002	(G/A)
38122	CadSNP13717	<i>Desi</i>	Ca_Desig_denovo	112047	(A/G)
38123	CadSNP13718	<i>Desi</i>	Ca_Desig_denovo	112176	(G/T)
38124	CadSNP13719	<i>Desi</i>	Ca_Desig_denovo	112188	(G/A)
38125	CadSNP13720	<i>Desi</i>	Ca_Desig_denovo	112197	(A/G)
38126	CadSNP13721	<i>Desi</i>	Ca_Desig_denovo	112201	(C/G)
38127	CadSNP13722	<i>Desi</i>	Ca_Desig_denovo	114119	(C/A)
38128	CadSNP13723	<i>Desi</i>	Ca_Desig_denovo	114542	(T/C)
38129	CadSNP13724	<i>Desi</i>	Ca_Desig_denovo	114577	(A/C)
38130	CadSNP13725	<i>Desi</i>	Ca_Desig_denovo	115936	(G/T)
38131	CadSNP13726	<i>Desi</i>	Ca_Desig_denovo	117510	(T/G)
38132	CadSNP13727	<i>Desi</i>	Ca_Desig_denovo	118055	(A/G)
38133	CadSNP13728	<i>Desi</i>	Ca_Desig_denovo	122166	(C/T)
38134	CadSNP13729	<i>Desi</i>	Ca_Desig_denovo	122970	(C/T)
38135	CadSNP13730	<i>Desi</i>	Ca_Desig_denovo	124567	(T/C)
38136	CadSNP13731	<i>Desi</i>	Ca_Desig_denovo	124896	(A/T)
38137	CadSNP13732	<i>Desi</i>	Ca_Desig_denovo	126618	(A/G)
38138	CadSNP13733	<i>Desi</i>	Ca_Desig_denovo	129083	(A/C)
38139	CadSNP13734	<i>Desi</i>	Ca_Desig_denovo	129826	(A/C)
38140	CadSNP13735	<i>Desi</i>	Ca_Desig_denovo	137196	(A/T)
38141	CadSNP13736	<i>Desi</i>	Ca_Desig_denovo	137197	(A/T)
38142	CadSNP13737	<i>Desi</i>	Ca_Desig_denovo	137198	(C/T)
38143	CadSNP13738	<i>Desi</i>	Ca_Desig_denovo	139778	(A/C)
38144	CadSNP13739	<i>Desi</i>	Ca_Desig_denovo	143400	(T/G)
38145	CadSNP13740	<i>Desi</i>	Ca_Desig_denovo	143406	(T/G)
38146	CadSNP13741	<i>Desi</i>	Ca_Desig_denovo	144084	(T/C)
38147	CadSNP13742	<i>Desi</i>	Ca_Desig_denovo	144089	(G/C)
38148	CadSNP13743	<i>Desi</i>	Ca_Desig_denovo	144126	(T/C)
38149	CadSNP13744	<i>Desi</i>	Ca_Desig_denovo	144705	(A/C)
38150	CadSNP13745	<i>Desi</i>	Ca_Desig_denovo	146474	(A/C)
38151	CadSNP13746	<i>Desi</i>	Ca_Desig_denovo	147586	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38152	CadSNP13747	<i>Desi</i>	Ca_Desig_denovo	147588	(A/C)
38153	CadSNP13748	<i>Desi</i>	Ca_Desig_denovo	151532	(G/T)
38154	CadSNP13749	<i>Desi</i>	Ca_Desig_denovo	151549	(C/G)
38155	CadSNP13750	<i>Desi</i>	Ca_Desig_denovo	153309	(T/C)
38156	CadSNP13751	<i>Desi</i>	Ca_Desig_denovo	154770	(A/G)
38157	CadSNP13752	<i>Desi</i>	Ca_Desig_denovo	154778	(G/A)
38158	CadSNP13753	<i>Desi</i>	Ca_Desig_denovo	154822	(A/C)
38159	CadSNP13754	<i>Desi</i>	Ca_Desig_denovo	154830	(C/T)
38160	CadSNP13755	<i>Desi</i>	Ca_Desig_denovo	154863	(T/C)
38161	CadSNP13756	<i>Desi</i>	Ca_Desig_denovo	155464	(A/G)
38162	CadSNP13757	<i>Desi</i>	Ca_Desig_denovo	155497	(A/G)
38163	CadSNP13758	<i>Desi</i>	Ca_Desig_denovo	156723	(C/G)
38164	CadSNP13759	<i>Desi</i>	Ca_Desig_denovo	156892	(A/C)
38165	CadSNP13760	<i>Desi</i>	Ca_Desig_denovo	159774	(A/C)
38166	CadSNP13761	<i>Desi</i>	Ca_Desig_denovo	160842	(G/A)
38167	CadSNP13762	<i>Desi</i>	Ca_Desig_denovo	161942	(T/C)
38168	CadSNP13763	<i>Desi</i>	Ca_Desig_denovo	162100	(A/C)
38169	CadSNP13764	<i>Desi</i>	Ca_Desig_denovo	168728	(T/G)
38170	CadSNP13765	<i>Desi</i>	Ca_Desig_denovo	169861	(T/G)
38171	CadSNP13766	<i>Desi</i>	Ca_Desig_denovo	171076	(G/T)
38172	CadSNP13767	<i>Desi</i>	Ca_Desig_denovo	171078	(T/C)
38173	CadSNP13768	<i>Desi</i>	Ca_Desig_denovo	171081	(A/C)
38174	CadSNP13769	<i>Desi</i>	Ca_Desig_denovo	171105	(G/T)
38175	CadSNP13770	<i>Desi</i>	Ca_Desig_denovo	177111	(T/G)
38176	CadSNP13771	<i>Desi</i>	Ca_Desig_denovo	187705	(A/G)
38177	CadSNP13772	<i>Desi</i>	Ca_Desig_denovo	188415	(T/C)
38178	CadSNP13773	<i>Desi</i>	Ca_Desig_denovo	188790	(A/C)
38179	CadSNP13774	<i>Desi</i>	Ca_Desig_denovo	189381	(C/T)
38180	CadSNP13775	<i>Desi</i>	Ca_Desig_denovo	189417	(T/C)
38181	CadSNP13776	<i>Desi</i>	Ca_Desig_denovo	189424	(G/C)
38182	CadSNP13777	<i>Desi</i>	Ca_Desig_denovo	189789	(C/T)
38183	CadSNP13778	<i>Desi</i>	Ca_Desig_denovo	191208	(T/C)
38184	CadSNP13779	<i>Desi</i>	Ca_Desig_denovo	191209	(C/T)
38185	CadSNP13780	<i>Desi</i>	Ca_Desig_denovo	193981	(T/G)
38186	CadSNP13781	<i>Desi</i>	Ca_Desig_denovo	196238	(T/G)
38187	CadSNP13782	<i>Desi</i>	Ca_Desig_denovo	200899	(G/T)
38188	CadSNP13783	<i>Desi</i>	Ca_Desig_denovo	202832	(A/C)
38189	CadSNP13784	<i>Desi</i>	Ca_Desig_denovo	202833	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38190	CadSNP13785	<i>Desi</i>	Ca_Desig_denovo	210659	(A/G)
38191	CadSNP13786	<i>Desi</i>	Ca_Desig_denovo	210695	(G/A)
38192	CadSNP13787	<i>Desi</i>	Ca_Desig_denovo	218206	(C/T)
38193	CadSNP13788	<i>Desi</i>	Ca_Desig_denovo	218213	(G/T)
38194	CadSNP13789	<i>Desi</i>	Ca_Desig_denovo	219015	(A/C)
38195	CadSNP13790	<i>Desi</i>	Ca_Desig_denovo	219016	(G/A)
38196	CadSNP13791	<i>Desi</i>	Ca_Desig_denovo	219093	(A/G)
38197	CadSNP13792	<i>Desi</i>	Ca_Desig_denovo	219095	(T/G)
38198	CadSNP13793	<i>Desi</i>	Ca_Desig_denovo	219409	(G/T)
38199	CadSNP13794	<i>Desi</i>	Ca_Desig_denovo	219427	(G/A)
38200	CadSNP13795	<i>Desi</i>	Ca_Desig_denovo	220306	(G/C)
38201	CadSNP13796	<i>Desi</i>	Ca_Desig_denovo	220785	(T/A)
38202	CadSNP13797	<i>Desi</i>	Ca_Desig_denovo	220791	(A/T)
38203	CadSNP13798	<i>Desi</i>	Ca_Desig_denovo	220829	(T/A)
38204	CadSNP13799	<i>Desi</i>	Ca_Desig_denovo	220841	(A/G)
38205	CadSNP13800	<i>Desi</i>	Ca_Desig_denovo	222101	(T/C)
38206	CadSNP13801	<i>Desi</i>	Ca_Desig_denovo	228346	(C/T)
38207	CadSNP13802	<i>Desi</i>	Ca_Desig_denovo	228397	(C/T)
38208	CadSNP13803	<i>Desi</i>	Ca_Desig_denovo	230825	(A/C)
38209	CadSNP13804	<i>Desi</i>	Ca_Desig_denovo	230826	(G/A)
38210	CadSNP13805	<i>Desi</i>	Ca_Desig_denovo	230827	(A/C)
38211	CadSNP13806	<i>Desi</i>	Ca_Desig_denovo	237051	(A/T)
38212	CadSNP13807	<i>Desi</i>	Ca_Desig_denovo	242194	(T/C)
38213	CadSNP13808	<i>Desi</i>	Ca_Desig_denovo	243693	(T/G)
38214	CadSNP13809	<i>Desi</i>	Ca_Desig_denovo	245231	(C/T)
38215	CadSNP13810	<i>Desi</i>	Ca_Desig_denovo	247091	(T/G)
38216	CadSNP13811	<i>Desi</i>	Ca_Desig_denovo	250349	(T/G)
38217	CadSNP13812	<i>Desi</i>	Ca_Desig_denovo	251028	(A/G)
38218	CadSNP13813	<i>Desi</i>	Ca_Desig_denovo	251065	(C/G)
38219	CadSNP13814	<i>Desi</i>	Ca_Desig_denovo	251070	(A/G)
38220	CadSNP13815	<i>Desi</i>	Ca_Desig_denovo	251191	(A/C)
38221	CadSNP13816	<i>Desi</i>	Ca_Desig_denovo	251192	(G/A)
38222	CadSNP13817	<i>Desi</i>	Ca_Desig_denovo	253370	(T/C)
38223	CadSNP13818	<i>Desi</i>	Ca_Desig_denovo	253419	(A/G)
38224	CadSNP13819	<i>Desi</i>	Ca_Desig_denovo	256378	(G/T)
38225	CadSNP13820	<i>Desi</i>	Ca_Desig_denovo	256391	(G/A)
38226	CadSNP13821	<i>Desi</i>	Ca_Desig_denovo	260830	(A/G)
38227	CadSNP13822	<i>Desi</i>	Ca_Desig_denovo	265735	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38228	CadSNP13823	<i>Desi</i>	Ca_Desig_denovo	265795	(T/G)
38229	CadSNP13824	<i>Desi</i>	Ca_Desig_denovo	269979	(A/C)
38230	CadSNP13825	<i>Desi</i>	Ca_Desig_denovo	270068	(A/G)
38231	CadSNP13826	<i>Desi</i>	Ca_Desig_denovo	270198	(A/G)
38232	CadSNP13827	<i>Desi</i>	Ca_Desig_denovo	270204	(T/G)
38233	CadSNP13828	<i>Desi</i>	Ca_Desig_denovo	271258	(T/G)
38234	CadSNP13829	<i>Desi</i>	Ca_Desig_denovo	275015	(G/A)
38235	CadSNP13830	<i>Desi</i>	Ca_Desig_denovo	275066	(G/A)
38236	CadSNP13831	<i>Desi</i>	Ca_Desig_denovo	279333	(T/G)
38237	CadSNP13832	<i>Desi</i>	Ca_Desig_denovo	286914	(T/C)
38238	CadSNP13833	<i>Desi</i>	Ca_Desig_denovo	287171	(T/G)
38239	CadSNP13834	<i>Desi</i>	Ca_Desig_denovo	288252	(T/G)
38240	CadSNP13835	<i>Desi</i>	Ca_Desig_denovo	290308	(A/G)
38241	CadSNP13836	<i>Desi</i>	Ca_Desig_denovo	291026	(T/G)
38242	CadSNP13837	<i>Desi</i>	Ca_Desig_denovo	302582	(C/A)
38243	CadSNP13838	<i>Desi</i>	Ca_Desig_denovo	303784	(T/G)
38244	CadSNP13839	<i>Desi</i>	Ca_Desig_denovo	305202	(T/G)
38245	CadSNP13840	<i>Desi</i>	Ca_Desig_denovo	306107	(T/G)
38246	CadSNP13841	<i>Desi</i>	Ca_Desig_denovo	327012	(T/G)
38247	CadSNP13842	<i>Desi</i>	Ca_Desig_denovo	327113	(A/G)
38248	CadSNP13843	<i>Desi</i>	Ca_Desig_denovo	329219	(C/G)
38249	CadSNP13844	<i>Desi</i>	Ca_Desig_denovo	329220	(A/C)
38250	CadSNP13845	<i>Desi</i>	Ca_Desig_denovo	329221	(G/C)
38251	CadSNP13846	<i>Desi</i>	Ca_Desig_denovo	334672	(T/G)
38252	CadSNP13847	<i>Desi</i>	Ca_Desig_denovo	334684	(T/G)
38253	CadSNP13848	<i>Desi</i>	Ca_Desig_denovo	335780	(T/G)
38254	CadSNP13849	<i>Desi</i>	Ca_Desig_denovo	335789	(A/T)
38255	CadSNP13850	<i>Desi</i>	Ca_Desig_denovo	336568	(A/G)
38256	CadSNP13851	<i>Desi</i>	Ca_Desig_denovo	339633	(A/G)
38257	CadSNP13852	<i>Desi</i>	Ca_Desig_denovo	340153	(T/G)
38258	CadSNP13853	<i>Desi</i>	Ca_Desig_denovo	341523	(C/T)
38259	CadSNP13854	<i>Desi</i>	Ca_Desig_denovo	341569	(C/T)
38260	CadSNP13855	<i>Desi</i>	Ca_Desig_denovo	345855	(T/C)
38261	CadSNP13856	<i>Desi</i>	Ca_Desig_denovo	348069	(A/G)
38262	CadSNP13857	<i>Desi</i>	Ca_Desig_denovo	349546	(T/G)
38263	CadSNP13858	<i>Desi</i>	Ca_Desig_denovo	349828	(C/T)
38264	CadSNP13859	<i>Desi</i>	Ca_Desig_denovo	350884	(C/G)
38265	CadSNP13860	<i>Desi</i>	Ca_Desig_denovo	350886	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38266	CadSNP13861	<i>Desi</i>	Ca_Desig_denovo	350889	(T/C)
38267	CadSNP13862	<i>Desi</i>	Ca_Desig_denovo	350890	(G/T)
38268	CadSNP13863	<i>Desi</i>	Ca_Desig_denovo	351779	(T/G)
38269	CadSNP13864	<i>Desi</i>	Ca_Desig_denovo	352322	(T/A)
38270	CadSNP13865	<i>Desi</i>	Ca_Desig_denovo	354236	(A/C)
38271	CadSNP13866	<i>Desi</i>	Ca_Desig_denovo	357280	(A/T)
38272	CadSNP13867	<i>Desi</i>	Ca_Desig_denovo	363000	(A/C)
38273	CadSNP13868	<i>Desi</i>	Ca_Desig_denovo	363010	(G/T)
38274	CadSNP13869	<i>Desi</i>	Ca_Desig_denovo	363490	(C/T)
38275	CadSNP13870	<i>Desi</i>	Ca_Desig_denovo	363631	(A/C)
38276	CadSNP13871	<i>Desi</i>	Ca_Desig_denovo	368038	(G/A)
38277	CadSNP13872	<i>Desi</i>	Ca_Desig_denovo	369612	(T/G)
38278	CadSNP13873	<i>Desi</i>	Ca_Desig_denovo	373243	(C/G)
38279	CadSNP13874	<i>Desi</i>	Ca_Desig_denovo	373303	(A/C)
38280	CadSNP13875	<i>Desi</i>	Ca_Desig_denovo	373388	(A/G)
38281	CadSNP13876	<i>Desi</i>	Ca_Desig_denovo	373390	(G/A)
38282	CadSNP13877	<i>Desi</i>	Ca_Desig_denovo	373391	(A/G)
38283	CadSNP13878	<i>Desi</i>	Ca_Desig_denovo	373392	(G/A)
38284	CadSNP13879	<i>Desi</i>	Ca_Desig_denovo	374130	(T/G)
38285	CadSNP13880	<i>Desi</i>	Ca_Desig_denovo	375206	(G/T)
38286	CadSNP13881	<i>Desi</i>	Ca_Desig_denovo	380542	(A/G)
38287	CadSNP13882	<i>Desi</i>	Ca_Desig_denovo	380564	(C/A)
38288	CadSNP13883	<i>Desi</i>	Ca_Desig_denovo	388526	(A/G)
38289	CadSNP13884	<i>Desi</i>	Ca_Desig_denovo	388530	(G/C)
38290	CadSNP13885	<i>Desi</i>	Ca_Desig_denovo	390363	(T/G)
38291	CadSNP13886	<i>Desi</i>	Ca_Desig_denovo	393670	(C/A)
38292	CadSNP13887	<i>Desi</i>	Ca_Desig_denovo	394879	(A/C)
38293	CadSNP13888	<i>Desi</i>	Ca_Desig_denovo	403900	(G/T)
38294	CadSNP13889	<i>Desi</i>	Ca_Desig_denovo	404874	(T/G)
38295	CadSNP13890	<i>Desi</i>	Ca_Desig_denovo	404883	(A/G)
38296	CadSNP13891	<i>Desi</i>	Ca_Desig_denovo	404921	(T/G)
38297	CadSNP13892	<i>Desi</i>	Ca_Desig_denovo	410963	(A/C)
38298	CadSNP13893	<i>Desi</i>	Ca_Desig_denovo	410965	(A/C)
38299	CadSNP13894	<i>Desi</i>	Ca_Desig_denovo	417757	(A/C)
38300	CadSNP13895	<i>Desi</i>	Ca_Desig_denovo	418427	(C/T)
38301	CadSNP13896	<i>Desi</i>	Ca_Desig_denovo	420322	(A/T)
38302	CadSNP13897	<i>Desi</i>	Ca_Desig_denovo	420331	(A/C)
38303	CadSNP13898	<i>Desi</i>	Ca_Desig_denovo	420645	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38304	CadSNP13899	<i>Desi</i>	Ca_Desig_denovo	420651	(C/G)
38305	CadSNP13900	<i>Desi</i>	Ca_Desig_denovo	420670	(A/G)
38306	CadSNP13901	<i>Desi</i>	Ca_Desig_denovo	420671	(C/G)
38307	CadSNP13902	<i>Desi</i>	Ca_Desig_denovo	420682	(T/G)
38308	CadSNP13903	<i>Desi</i>	Ca_Desig_denovo	420704	(T/G)
38309	CadSNP13904	<i>Desi</i>	Ca_Desig_denovo	420716	(T/G)
38310	CadSNP13905	<i>Desi</i>	Ca_Desig_denovo	422625	(A/T)
38311	CadSNP13906	<i>Desi</i>	Ca_Desig_denovo	422948	(G/C)
38312	CadSNP13907	<i>Desi</i>	Ca_Desig_denovo	425917	(A/G)
38313	CadSNP13908	<i>Desi</i>	Ca_Desig_denovo	426590	(A/G)
38314	CadSNP13909	<i>Desi</i>	Ca_Desig_denovo	426958	(T/G)
38315	CadSNP13910	<i>Desi</i>	Ca_Desig_denovo	433235	(T/G)
38316	CadSNP13911	<i>Desi</i>	Ca_Desig_denovo	435105	(A/T)
38317	CadSNP13912	<i>Desi</i>	Ca_Desig_denovo	436325	(G/A)
38318	CadSNP13913	<i>Desi</i>	Ca_Desig_denovo	438044	(A/G)
38319	CadSNP13914	<i>Desi</i>	Ca_Desig_denovo	438131	(A/G)
38320	CadSNP13915	<i>Desi</i>	Ca_Desig_denovo	439723	(T/C)
38321	CadSNP13916	<i>Desi</i>	Ca_Desig_denovo	439724	(A/C)
38322	CadSNP13917	<i>Desi</i>	Ca_Desig_denovo	440446	(G/A)
38323	CadSNP13918	<i>Desi</i>	Ca_Desig_denovo	442123	(T/G)
38324	CadSNP13919	<i>Desi</i>	Ca_Desig_denovo	444022	(T/C)
38325	CadSNP13920	<i>Desi</i>	Ca_Desig_denovo	444627	(G/C)
38326	CadSNP13921	<i>Desi</i>	Ca_Desig_denovo	444628	(T/A)
38327	CadSNP13922	<i>Desi</i>	Ca_Desig_denovo	444634	(G/T)
38328	CadSNP13923	<i>Desi</i>	Ca_Desig_denovo	446594	(G/A)
38329	CadSNP13924	<i>Desi</i>	Ca_Desig_denovo	446643	(G/A)
38330	CadSNP13925	<i>Desi</i>	Ca_Desig_denovo	447143	(A/C)
38331	CadSNP13926	<i>Desi</i>	Ca_Desig_denovo	449373	(G/C)
38332	CadSNP13927	<i>Desi</i>	Ca_Desig_denovo	449374	(T/A)
38333	CadSNP13928	<i>Desi</i>	Ca_Desig_denovo	452028	(A/G)
38334	CadSNP13929	<i>Desi</i>	Ca_Desig_denovo	452034	(G/T)
38335	CadSNP13930	<i>Desi</i>	Ca_Desig_denovo	452815	(A/C)
38336	CadSNP13931	<i>Desi</i>	Ca_Desig_denovo	453631	(A/G)
38337	CadSNP13932	<i>Desi</i>	Ca_Desig_denovo	454800	(T/G)
38338	CadSNP13933	<i>Desi</i>	Ca_Desig_denovo	456026	(G/T)
38339	CadSNP13934	<i>Desi</i>	Ca_Desig_denovo	456037	(T/G)
38340	CadSNP13935	<i>Desi</i>	Ca_Desig_denovo	456184	(T/G)
38341	CadSNP13936	<i>Desi</i>	Ca_Desig_denovo	456589	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38342	CadSNP13937	<i>Desi</i>	Ca_Desig_denovo	456630	(G/T)
38343	CadSNP13938	<i>Desi</i>	Ca_Desig_denovo	460576	(A/T)
38344	CadSNP13939	<i>Desi</i>	Ca_Desig_denovo	467113	(T/G)
38345	CadSNP13940	<i>Desi</i>	Ca_Desig_denovo	473514	(T/A)
38346	CadSNP13941	<i>Desi</i>	Ca_Desig_denovo	474158	(T/C)
38347	CadSNP13942	<i>Desi</i>	Ca_Desig_denovo	474798	(T/C)
38348	CadSNP13943	<i>Desi</i>	Ca_Desig_denovo	475044	(A/C)
38349	CadSNP13944	<i>Desi</i>	Ca_Desig_denovo	477533	(C/T)
38350	CadSNP13945	<i>Desi</i>	Ca_Desig_denovo	478221	(T/G)
38351	CadSNP13946	<i>Desi</i>	Ca_Desig_denovo	481090	(A/G)
38352	CadSNP13947	<i>Desi</i>	Ca_Desig_denovo	482154	(G/T)
38353	CadSNP13948	<i>Desi</i>	Ca_Desig_denovo	482156	(T/G)
38354	CadSNP13949	<i>Desi</i>	Ca_Desig_denovo	482158	(T/G)
38355	CadSNP13950	<i>Desi</i>	Ca_Desig_denovo	482161	(A/G)
38356	CadSNP13951	<i>Desi</i>	Ca_Desig_denovo	482196	(A/G)
38357	CadSNP13952	<i>Desi</i>	Ca_Desig_denovo	483440	(C/G)
38358	CadSNP13953	<i>Desi</i>	Ca_Desig_denovo	484190	(A/G)
38359	CadSNP13954	<i>Desi</i>	Ca_Desig_denovo	486276	(T/G)
38360	CadSNP13955	<i>Desi</i>	Ca_Desig_denovo	489016	(G/T)
38361	CadSNP13956	<i>Desi</i>	Ca_Desig_denovo	489736	(A/C)
38362	CadSNP13957	<i>Desi</i>	Ca_Desig_denovo	490853	(A/C)
38363	CadSNP13958	<i>Desi</i>	Ca_Desig_denovo	490854	(G/C)
38364	CadSNP13959	<i>Desi</i>	Ca_Desig_denovo	494416	(T/G)
38365	CadSNP13960	<i>Desi</i>	Ca_Desig_denovo	499793	(T/C)
38366	CadSNP13961	<i>Desi</i>	Ca_Desig_denovo	499842	(A/G)
38367	CadSNP13962	<i>Desi</i>	Ca_Desig_denovo	500991	(A/T)
38368	CadSNP13963	<i>Desi</i>	Ca_Desig_denovo	503553	(T/G)
38369	CadSNP13964	<i>Desi</i>	Ca_Desig_denovo	503639	(A/G)
38370	CadSNP13965	<i>Desi</i>	Ca_Desig_denovo	504320	(T/G)
38371	CadSNP13966	<i>Desi</i>	Ca_Desig_denovo	505303	(G/A)
38372	CadSNP13967	<i>Desi</i>	Ca_Desig_denovo	505304	(T/G)
38373	CadSNP13968	<i>Desi</i>	Ca_Desig_denovo	506888	(T/G)
38374	CadSNP13969	<i>Desi</i>	Ca_Desig_denovo	511888	(A/G)
38375	CadSNP13970	<i>Desi</i>	Ca_Desig_denovo	518139	(T/G)
38376	CadSNP13971	<i>Desi</i>	Ca_Desig_denovo	518892	(T/G)
38377	CadSNP13972	<i>Desi</i>	Ca_Desig_denovo	520428	(A/C)
38378	CadSNP13973	<i>Desi</i>	Ca_Desig_denovo	520429	(G/T)
38379	CadSNP13974	<i>Desi</i>	Ca_Desig_denovo	520652	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38380	CadSNP13975	<i>Desi</i>	Ca_Desig_denovo	522698	(T/C)
38381	CadSNP13976	<i>Desi</i>	Ca_Desig_denovo	528449	(C/T)
38382	CadSNP13977	<i>Desi</i>	Ca_Desig_denovo	528480	(C/G)
38383	CadSNP13978	<i>Desi</i>	Ca_Desig_denovo	533089	(C/T)
38384	CadSNP13979	<i>Desi</i>	Ca_Desig_denovo	534683	(T/C)
38385	CadSNP13980	<i>Desi</i>	Ca_Desig_denovo	535901	(C/T)
38386	CadSNP13981	<i>Desi</i>	Ca_Desig_denovo	541246	(T/A)
38387	CadSNP13982	<i>Desi</i>	Ca_Desig_denovo	548618	(A/G)
38388	CadSNP13983	<i>Desi</i>	Ca_Desig_denovo	553328	(T/G)
38389	CadSNP13984	<i>Desi</i>	Ca_Desig_denovo	554204	(A/G)
38390	CadSNP13985	<i>Desi</i>	Ca_Desig_denovo	557906	(T/A)
38391	CadSNP13986	<i>Desi</i>	Ca_Desig_denovo	557908	(C/A)
38392	CadSNP13987	<i>Desi</i>	Ca_Desig_denovo	564982	(T/A)
38393	CadSNP13988	<i>Desi</i>	Ca_Desig_denovo	564987	(T/G)
38394	CadSNP13989	<i>Desi</i>	Ca_Desig_denovo	564996	(C/G)
38395	CadSNP13990	<i>Desi</i>	Ca_Desig_denovo	565004	(A/G)
38396	CadSNP13991	<i>Desi</i>	Ca_Desig_denovo	565009	(T/A)
38397	CadSNP13992	<i>Desi</i>	Ca_Desig_denovo	565018	(C/G)
38398	CadSNP13993	<i>Desi</i>	Ca_Desig_denovo	565022	(C/G)
38399	CadSNP13994	<i>Desi</i>	Ca_Desig_denovo	565043	(T/G)
38400	CadSNP13995	<i>Desi</i>	Ca_Desig_denovo	568227	(A/G)
38401	CadSNP13996	<i>Desi</i>	Ca_Desig_denovo	568229	(G/A)
38402	CadSNP13997	<i>Desi</i>	Ca_Desig_denovo	568630	(A/T)
38403	CadSNP13998	<i>Desi</i>	Ca_Desig_denovo	568638	(T/C)
38404	CadSNP13999	<i>Desi</i>	Ca_Desig_denovo	568647	(G/A)
38405	CadSNP14000	<i>Desi</i>	Ca_Desig_denovo	568659	(A/T)
38406	CadSNP14001	<i>Desi</i>	Ca_Desig_denovo	568926	(T/G)
38407	CadSNP14002	<i>Desi</i>	Ca_Desig_denovo	573834	(T/G)
38408	CadSNP14003	<i>Desi</i>	Ca_Desig_denovo	574459	(A/T)
38409	CadSNP14004	<i>Desi</i>	Ca_Desig_denovo	580963	(T/C)
38410	CadSNP14005	<i>Desi</i>	Ca_Desig_denovo	580971	(A/T)
38411	CadSNP14006	<i>Desi</i>	Ca_Desig_denovo	580972	(A/T)
38412	CadSNP14007	<i>Desi</i>	Ca_Desig_denovo	597471	(G/A)
38413	CadSNP14008	<i>Desi</i>	Ca_Desig_denovo	611841	(A/C)
38414	CadSNP14009	<i>Desi</i>	Ca_Desig_denovo	623049	(T/G)
38415	CadSNP14010	<i>Desi</i>	Ca_Desig_denovo	623600	(A/G)
38416	CadSNP14011	<i>Desi</i>	Ca_Desig_denovo	624082	(T/G)
38417	CadSNP14012	<i>Desi</i>	Ca_Desig_denovo	626616	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38418	CadSNP14013	<i>Desi</i>	Ca_Desig_denovo	630090	(A/T)
38419	CadSNP14014	<i>Desi</i>	Ca_Desig_denovo	630091	(A/T)
38420	CadSNP14015	<i>Desi</i>	Ca_Desig_denovo	630095	(C/G)
38421	CadSNP14016	<i>Desi</i>	Ca_Desig_denovo	634673	(T/G)
38422	CadSNP14017	<i>Desi</i>	Ca_Desig_denovo	634761	(C/T)
38423	CadSNP14018	<i>Desi</i>	Ca_Desig_denovo	635060	(A/G)
38424	CadSNP14019	<i>Desi</i>	Ca_Desig_denovo	635084	(T/G)
38425	CadSNP14020	<i>Desi</i>	Ca_Desig_denovo	635107	(A/G)
38426	CadSNP14021	<i>Desi</i>	Ca_Desig_denovo	635126	(T/G)
38427	CadSNP14022	<i>Desi</i>	Ca_Desig_denovo	635141	(A/T)
38428	CadSNP14023	<i>Desi</i>	Ca_Desig_denovo	635142	(T/G)
38429	CadSNP14024	<i>Desi</i>	Ca_Desig_denovo	635201	(A/G)
38430	CadSNP14025	<i>Desi</i>	Ca_Desig_denovo	635383	(C/G)
38431	CadSNP14026	<i>Desi</i>	Ca_Desig_denovo	635409	(T/G)
38432	CadSNP14027	<i>Desi</i>	Ca_Desig_denovo	635423	(G/A)
38433	CadSNP14028	<i>Desi</i>	Ca_Desig_denovo	635481	(A/G)
38434	CadSNP14029	<i>Desi</i>	Ca_Desig_denovo	635518	(T/C)
38435	CadSNP14030	<i>Desi</i>	Ca_Desig_denovo	639465	(A/C)
38436	CadSNP14031	<i>Desi</i>	Ca_Desig_denovo	640882	(A/T)
38437	CadSNP14032	<i>Desi</i>	Ca_Desig_denovo	640920	(T/G)
38438	CadSNP14033	<i>Desi</i>	Ca_Desig_denovo	640986	(G/A)
38439	CadSNP14034	<i>Desi</i>	Ca_Desig_denovo	647092	(G/C)
38440	CadSNP14035	<i>Desi</i>	Ca_Desig_denovo	647093	(T/A)
38441	CadSNP14036	<i>Desi</i>	Ca_Desig_denovo	662748	(A/G)
38442	CadSNP14037	<i>Desi</i>	Ca_Desig_denovo	670250	(T/A)
38443	CadSNP14038	<i>Desi</i>	Ca_Desig_denovo	670251	(C/G)
38444	CadSNP14039	<i>Desi</i>	Ca_Desig_denovo	670252	(G/A)
38445	CadSNP14040	<i>Desi</i>	Ca_Desig_denovo	674273	(T/C)
38446	CadSNP14041	<i>Desi</i>	Ca_Desig_denovo	674329	(T/G)
38447	CadSNP14042	<i>Desi</i>	Ca_Desig_denovo	676182	(G/T)
38448	CadSNP14043	<i>Desi</i>	Ca_Desig_denovo	676322	(G/A)
38449	CadSNP14044	<i>Desi</i>	Ca_Desig_denovo	676896	(T/G)
38450	CadSNP14045	<i>Desi</i>	Ca_Desig_denovo	676906	(T/G)
38451	CadSNP14046	<i>Desi</i>	Ca_Desig_denovo	676937	(C/T)
38452	CadSNP14047	<i>Desi</i>	Ca_Desig_denovo	676946	(G/T)
38453	CadSNP14048	<i>Desi</i>	Ca_Desig_denovo	685076	(T/C)
38454	CadSNP14049	<i>Desi</i>	Ca_Desig_denovo	687921	(T/G)
38455	CadSNP14050	<i>Desi</i>	Ca_Desig_denovo	702397	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38456	CadSNP14051	<i>Desi</i>	Ca_Desig_denovo	702474	(C/T)
38457	CadSNP14052	<i>Desi</i>	Ca_Desig_denovo	702714	(C/A)
38458	CadSNP14053	<i>Desi</i>	Ca_Desig_denovo	707993	(A/G)
38459	CadSNP14054	<i>Desi</i>	Ca_Desig_denovo	723888	(A/C)
38460	CadSNP14055	<i>Desi</i>	Ca_Desig_denovo	723889	(C/A)
38461	CadSNP14056	<i>Desi</i>	Ca_Desig_denovo	723894	(T/A)
38462	CadSNP14057	<i>Desi</i>	Ca_Desig_denovo	723897	(G/T)
38463	CadSNP14058	<i>Desi</i>	Ca_Desig_denovo	723902	(G/C)
38464	CadSNP14059	<i>Desi</i>	Ca_Desig_denovo	723905	(T/G)
38465	CadSNP14060	<i>Desi</i>	Ca_Desig_denovo	728876	(G/T)
38466	CadSNP14061	<i>Desi</i>	Ca_Desig_denovo	740874	(T/G)
38467	CadSNP14062	<i>Desi</i>	Ca_Desig_denovo	765947	(A/C)
38468	CadSNP14063	<i>Desi</i>	Ca_Desig_denovo	770554	(T/G)
38469	CadSNP14064	<i>Desi</i>	Ca_Desig_denovo	784320	(T/G)
38470	CadSNP14065	<i>Desi</i>	Ca_Desig_denovo	784361	(A/G)
38471	CadSNP14066	<i>Desi</i>	Ca_Desig_denovo	789739	(A/G)
38472	CadSNP14067	<i>Desi</i>	Ca_Desig_denovo	789741	(C/A)
38473	CadSNP14068	<i>Desi</i>	Ca_Desig_denovo	813119	(G/C)
38474	CadSNP14069	<i>Desi</i>	Ca_Desig_denovo	813129	(G/A)
38475	CadSNP14070	<i>Desi</i>	Ca_Desig_denovo	813144	(A/G)
38476	CadSNP14071	<i>Desi</i>	Ca_Desig_denovo	827851	(T/C)
38477	CadSNP14072	<i>Desi</i>	Ca_Desig_denovo	827992	(A/G)
38478	CadSNP14073	<i>Desi</i>	Ca_Desig_denovo	828026	(T/G)
38479	CadSNP14074	<i>Desi</i>	Ca_Desig_denovo	828036	(G/A)
38480	CadSNP14075	<i>Desi</i>	Ca_Desig_denovo	842494	(G/T)
38481	CadSNP14076	<i>Desi</i>	Ca_Desig_denovo	842539	(T/C)
38482	CadSNP14077	<i>Desi</i>	Ca_Desig_denovo	929463	(G/A)
38483	CadSNP14078	<i>Desi</i>	Ca_Desig_denovo	929464	(G/A)
38484	CadSNP14079	<i>Desi</i>	Ca_Desig_denovo	929467	(T/A)
38485	CadSNP14080	<i>Desi</i>	Ca_Desig_denovo	929502	(G/A)
38486	CadSNP14081	<i>Desi</i>	Ca_Desig_denovo	956913	(C/T)
38487	CadSNP14082	<i>Desi</i>	Ca_Desig_denovo	956929	(G/A)
38488	CadSNP14083	<i>Desi</i>	Ca_Desig_denovo	957099	(C/T)
38489	CadSNP14084	<i>Desi</i>	Ca_Desig_denovo	959139	(G/A)
38490	CadSNP14085	<i>Desi</i>	Ca_Desig_denovo	973418	(G/C)
38491	CadSNP14086	<i>Desi</i>	Ca_Desig_denovo	992422	(G/A)
38492	CadSNP14087	<i>Desi</i>	Ca_Desig_denovo	995675	(C/G)
38493	CadSNP14088	<i>Desi</i>	Ca_Desig_denovo	995690	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38494	CadSNP14089	<i>Desi</i>	Ca_Desig_denovo	1010473	(G/C)
38495	CadSNP14090	<i>Desi</i>	Ca_Desig_denovo	1038273	(A/T)
38496	CadSNP14091	<i>Desi</i>	Ca_Desig_denovo	1058822	(A/G)
38497	CadSNP14092	<i>Desi</i>	Ca_Desig_denovo	1058823	(A/G)
38498	CadSNP14093	<i>Desi</i>	Ca_Desig_denovo	1058825	(A/G)
38499	CadSNP14094	<i>Desi</i>	Ca_Desig_denovo	1058826	(A/G)
38500	CadSNP14095	<i>Desi</i>	Ca_Desig_denovo	1071353	(A/T)
38501	CadSNP14096	<i>Desi</i>	Ca_Desig_denovo	1071361	(G/T)
38502	CadSNP14097	<i>Desi</i>	Ca_Desig_denovo	1096168	(T/G)
38503	CadSNP14098	<i>Desi</i>	Ca_Desig_denovo	1108501	(A/G)
38504	CadSNP14099	<i>Desi</i>	Ca_Desig_denovo	1117483	(A/G)
38505	CadSNP14100	<i>Desi</i>	Ca_Desig_denovo	1133057	(A/C)
38506	CadSNP14101	<i>Desi</i>	Ca_Desig_denovo	1157757	(A/C)
38507	CadSNP14102	<i>Desi</i>	Ca_Desig_denovo	1538981	(A/G)
38508	CadSNP14103	<i>Desi</i>	Ca_Desig_denovo	1538982	(A/G)
38509	CadSNP14104	<i>Desi</i>	Ca_Desig_denovo	1538984	(A/G)
38510	CadSNP14105	<i>Desi</i>	Ca_Desig_denovo	1538985	(A/G)
38511	CadSNP14106	<i>Desi</i>	Ca_Desig_denovo	1844290	(A/G)
38512	CadSNP14107	<i>Desi</i>	Ca_Desig_denovo	1908293	(G/C)
38513	CadSNP14108	<i>Desi</i>	Ca_Desig_denovo	1908308	(A/G)
38514	CadSNP14109	<i>Desi</i>	Ca_Desig_denovo	1908313	(T/C)
38515	CadSNP14110	<i>Desi</i>	Ca_Desig_denovo	1926138	(C/T)
38516	CadSNP14111	<i>Desi</i>	Ca_Desig_denovo	1926153	(G/A)
38517	CadSNP14112	<i>Desi</i>	Ca_Desig_denovo	2216494	(A/G)
38518	CadSNP14113	<i>Desi</i>	Ca_Desig_denovo	2216522	(C/G)
38519	CadSNP14114	<i>Desi</i>	Ca_Desig_denovo	2216535	(C/G)
38520	CadSNP14115	<i>Desi</i>	Ca_Desig_denovo	2227361	(A/G)
38521	CadSNP14116	<i>Desi</i>	Ca_Desig_denovo	2227377	(C/T)
38522	CadSNP14117	<i>Desi</i>	Ca_Desig_denovo	2245560	(T/C)
38523	CadSNP14118	<i>Desi</i>	Ca_Desig_denovo	2288750	(T/G)
38524	CadSNP14119	<i>Desi</i>	Ca_Desig_denovo	2288778	(T/G)
38525	CadSNP14120	<i>Desi</i>	Ca_Desig_denovo	2288789	(A/G)
38526	CadSNP14121	<i>Desi</i>	Ca_Desig_denovo	2298599	(G/A)
38527	CadSNP14122	<i>Desi</i>	Ca_Desig_denovo	2298611	(G/A)
38528	CadSNP14123	<i>Desi</i>	Ca_Desig_denovo	2298648	(T/G)
38529	CadSNP14124	<i>Desi</i>	Ca_Desig_denovo	2316648	(G/A)
38530	CadSNP14125	<i>Desi</i>	Ca_Desig_denovo	2316706	(T/G)
38531	CadSNP14126	<i>Desi</i>	Ca_Desig_denovo	2317870	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38532	CadSNP14127	<i>Desi</i>	Ca_Desig_denovo	2337472	(G/C)
38533	CadSNP14128	<i>Desi</i>	Ca_Desig_denovo	2337484	(A/G)
38534	CadSNP14129	<i>Desi</i>	Ca_Desig_denovo	2362293	(A/C)
38535	CadSNP14130	<i>Desi</i>	Ca_Desig_denovo	2364021	(T/C)
38536	CadSNP14131	<i>Desi</i>	Ca_Desig_denovo	2395363	(G/A)
38537	CadSNP14132	<i>Desi</i>	Ca_Desig_denovo	2405692	(C/T)
38538	CadSNP14133	<i>Desi</i>	Ca_Desig_denovo	2438654	(G/C)
38539	CadSNP14134	<i>Desi</i>	Ca_Desig_denovo	2438656	(G/T)
38540	CadSNP14135	<i>Desi</i>	Ca_Desig_denovo	2438657	(C/G)
38541	CadSNP14136	<i>Desi</i>	Ca_Desig_denovo	2438672	(G/A)
38542	CadSNP14137	<i>Desi</i>	Ca_Desig_denovo	2438678	(G/A)
38543	CadSNP14138	<i>Desi</i>	Ca_Desig_denovo	2463272	(G/A)
38544	CadSNP14139	<i>Desi</i>	Ca_Desig_denovo	2464127	(A/C)
38545	CadSNP14140	<i>Desi</i>	Ca_Desig_denovo	2475557	(G/A)
38546	CadSNP14141	<i>Desi</i>	Ca_Desig_denovo	2488966	(G/C)
38547	CadSNP14142	<i>Desi</i>	Ca_Desig_denovo	2488968	(C/A)
38548	CadSNP14143	<i>Desi</i>	Ca_Desig_denovo	2488987	(G/A)
38549	CadSNP14144	<i>Desi</i>	Ca_Desig_denovo	2533811	(G/A)
38550	CadSNP14145	<i>Desi</i>	Ca_Desig_denovo	2533871	(C/T)
38551	CadSNP14146	<i>Desi</i>	Ca_Desig_denovo	2567757	(T/A)
38552	CadSNP14147	<i>Desi</i>	Ca_Desig_denovo	2567759	(G/T)
38553	CadSNP14148	<i>Desi</i>	Ca_Desig_denovo	2568211	(G/A)
38554	CadSNP14149	<i>Desi</i>	Ca_Desig_denovo	2585766	(G/A)
38555	CadSNP14150	<i>Desi</i>	Ca_Desig_denovo	2592770	(C/A)
38556	CadSNP14151	<i>Desi</i>	Ca_Desig_denovo	2598885	(C/A)
38557	CadSNP14152	<i>Desi</i>	Ca_Desig_denovo	2598886	(A/G)
38558	CadSNP14153	<i>Desi</i>	Ca_Desig_denovo	2608766	(G/T)
38559	CadSNP14154	<i>Desi</i>	Ca_Desig_denovo	2608769	(G/A)
38560	CadSNP14155	<i>Desi</i>	Ca_Desig_denovo	2630336	(G/A)
38561	CadSNP14156	<i>Desi</i>	Ca_Desig_denovo	2630345	(G/A)
38562	CadSNP14157	<i>Desi</i>	Ca_Desig_denovo	2630354	(C/T)
38563	CadSNP14158	<i>Desi</i>	Ca_Desig_denovo	2656751	(C/G)
38564	CadSNP14159	<i>Desi</i>	Ca_Desig_denovo	2656760	(G/C)
38565	CadSNP14160	<i>Desi</i>	Ca_Desig_denovo	2656772	(G/C)
38566	CadSNP14161	<i>Desi</i>	Ca_Desig_denovo	2658239	(G/C)
38567	CadSNP14162	<i>Desi</i>	Ca_Desig_denovo	2658240	(T/C)
38568	CadSNP14163	<i>Desi</i>	Ca_Desig_denovo	2721315	(A/G)
38569	CadSNP14164	<i>Desi</i>	Ca_Desig_denovo	2738676	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38570	CadSNP14165	<i>Desi</i>	Ca_Desig_denovo	2738702	(G/C)
38571	CadSNP14166	<i>Desi</i>	Ca_Desig_denovo	2747692	(A/G)
38572	CadSNP14167	<i>Desi</i>	Ca_Desig_denovo	2766122	(C/A)
38573	CadSNP14168	<i>Desi</i>	Ca_Desig_denovo	2766130	(C/G)
38574	CadSNP14169	<i>Desi</i>	Ca_Desig_denovo	2782295	(T/C)
38575	CadSNP14170	<i>Desi</i>	Ca_Desig_denovo	2788209	(T/A)
38576	CadSNP14171	<i>Desi</i>	Ca_Desig_denovo	2818170	(C/A)
38577	CadSNP14172	<i>Desi</i>	Ca_Desig_denovo	2826749	(C/G)
38578	CadSNP14173	<i>Desi</i>	Ca_Desig_denovo	2826774	(T/C)
38579	CadSNP14174	<i>Desi</i>	Ca_Desig_denovo	2840175	(G/A)
38580	CadSNP14175	<i>Desi</i>	Ca_Desig_denovo	2840178	(C/T)
38581	CadSNP14176	<i>Desi</i>	Ca_Desig_denovo	2843980	(G/C)
38582	CadSNP14177	<i>Desi</i>	Ca_Desig_denovo	2844001	(G/A)
38583	CadSNP14178	<i>Desi</i>	Ca_Desig_denovo	2876963	(A/C)
38584	CadSNP14179	<i>Desi</i>	Ca_Desig_denovo	2876966	(G/A)
38585	CadSNP14180	<i>Desi</i>	Ca_Desig_denovo	2876996	(G/A)
38586	CadSNP14181	<i>Desi</i>	Ca_Desig_denovo	2912860	(G/C)
38587	CadSNP14182	<i>Desi</i>	Ca_Desig_denovo	2912920	(A/C)
38588	CadSNP14183	<i>Desi</i>	Ca_Desig_denovo	2923602	(G/C)
38589	CadSNP14184	<i>Desi</i>	Ca_Desig_denovo	2923620	(C/T)
38590	CadSNP14185	<i>Desi</i>	Ca_Desig_denovo	2928724	(A/G)
38591	CadSNP14186	<i>Desi</i>	Ca_Desig_denovo	2928725	(C/G)
38592	CadSNP14187	<i>Desi</i>	Ca_Desig_denovo	2956912	(A/G)
38593	CadSNP14188	<i>Desi</i>	Ca_Desig_denovo	2983262	(C/T)
38594	CadSNP14189	<i>Desi</i>	Ca_Desig_denovo	2983271	(T/A)
38595	CadSNP14190	<i>Desi</i>	Ca_Desig_denovo	2983288	(T/C)
38596	CadSNP14191	<i>Desi</i>	Ca_Desig_denovo	2985300	(A/C)
38597	CadSNP14192	<i>Desi</i>	Ca_Desig_denovo	3004633	(G/A)
38598	CadSNP14193	<i>Desi</i>	Ca_Desig_denovo	3004637	(A/G)
38599	CadSNP14194	<i>Desi</i>	Ca_Desig_denovo	3206616	(C/T)
38600	CadSNP14195	<i>Desi</i>	Ca_Desig_denovo	3206626	(C/T)
38601	CadSNP14196	<i>Desi</i>	Ca_Desig_denovo	3236360	(T/C)
38602	CadSNP14197	<i>Desi</i>	Ca_Desig_denovo	3294631	(C/T)
38603	CadSNP14198	<i>Desi</i>	Ca_Desig_denovo	3294661	(C/T)
38604	CadSNP14199	<i>Desi</i>	Ca_Desig_denovo	3294664	(T/G)
38605	CadSNP14200	<i>Desi</i>	Ca_Desig_denovo	3313722	(C/A)
38606	CadSNP14201	<i>Desi</i>	Ca_Desig_denovo	3325319	(A/G)
38607	CadSNP14202	<i>Desi</i>	Ca_Desig_denovo	3325352	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38608	CadSNP14203	<i>Desi</i>	Ca_Desig_denovo	3325374	(C/G)
38609	CadSNP14204	<i>Desi</i>	Ca_Desig_denovo	3349236	(G/C)
38610	CadSNP14205	<i>Desi</i>	Ca_Desig_denovo	3378343	(C/G)
38611	CadSNP14206	<i>Desi</i>	Ca_Desig_denovo	3378349	(T/C)
38612	CadSNP14207	<i>Desi</i>	Ca_Desig_denovo	3378352	(A/C)
38613	CadSNP14208	<i>Desi</i>	Ca_Desig_denovo	3387368	(C/G)
38614	CadSNP14209	<i>Desi</i>	Ca_Desig_denovo	3387377	(G/C)
38615	CadSNP14210	<i>Desi</i>	Ca_Desig_denovo	3390136	(G/C)
38616	CadSNP14211	<i>Desi</i>	Ca_Desig_denovo	3399894	(A/C)
38617	CadSNP14212	<i>Desi</i>	Ca_Desig_denovo	3413026	(C/A)
38618	CadSNP14213	<i>Desi</i>	Ca_Desig_denovo	3413031	(G/C)
38619	CadSNP14214	<i>Desi</i>	Ca_Desig_denovo	3413046	(C/T)
38620	CadSNP14215	<i>Desi</i>	Ca_Desig_denovo	3427180	(T/C)
38621	CadSNP14216	<i>Desi</i>	Ca_Desig_denovo	3435270	(A/G)
38622	CadSNP14217	<i>Desi</i>	Ca_Desig_denovo	3435276	(T/C)
38623	CadSNP14218	<i>Desi</i>	Ca_Desig_denovo	3435324	(T/C)
38624	CadSNP14219	<i>Desi</i>	Ca_Desig_denovo	3440127	(T/C)
38625	CadSNP14220	<i>Desi</i>	Ca_Desig_denovo	3449238	(C/G)
38626	CadSNP14221	<i>Desi</i>	Ca_Desig_denovo	3449253	(G/A)
38627	CadSNP14222	<i>Desi</i>	Ca_Desig_denovo	3462794	(T/G)
38628	CadSNP14223	<i>Desi</i>	Ca_Desig_denovo	3471355	(C/T)
38629	CadSNP14224	<i>Desi</i>	Ca_Desig_denovo	3490222	(T/C)
38630	CadSNP14225	<i>Desi</i>	Ca_Desig_denovo	3490228	(C/T)
38631	CadSNP14226	<i>Desi</i>	Ca_Desig_denovo	3490237	(C/G)
38632	CadSNP14227	<i>Desi</i>	Ca_Desig_denovo	3495340	(G/A)
38633	CadSNP14228	<i>Desi</i>	Ca_Desig_denovo	3495352	(A/G)
38634	CadSNP14229	<i>Desi</i>	Ca_Desig_denovo	3495361	(G/C)
38635	CadSNP14230	<i>Desi</i>	Ca_Desig_denovo	3504261	(C/T)
38636	CadSNP14231	<i>Desi</i>	Ca_Desig_denovo	3504267	(T/C)
38637	CadSNP14232	<i>Desi</i>	Ca_Desig_denovo	3636785	(C/G)
38638	CadSNP14233	<i>Desi</i>	Ca_Desig_denovo	3636799	(C/G)
38639	CadSNP14234	<i>Desi</i>	Ca_Desig_denovo	3636800	(C/G)
38640	CadSNP14235	<i>Desi</i>	Ca_Desig_denovo	3636806	(A/G)
38641	CadSNP14236	<i>Desi</i>	Ca_Desig_denovo	3682842	(C/T)
38642	CadSNP14237	<i>Desi</i>	Ca_Desig_denovo	3713579	(A/C)
38643	CadSNP14238	<i>Desi</i>	Ca_Desig_denovo	3716629	(C/G)
38644	CadSNP14239	<i>Desi</i>	Ca_Desig_denovo	3729073	(C/T)
38645	CadSNP14240	<i>Desi</i>	Ca_Desig_denovo	3729079	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38646	CadSNP14241	<i>Desi</i>	Ca_Desig_denovo	3747382	(C/G)
38647	CadSNP14242	<i>Desi</i>	Ca_Desig_denovo	3804817	(A/G)
38648	CadSNP14243	<i>Desi</i>	Ca_Desig_denovo	3810861	(A/C)
38649	CadSNP14244	<i>Desi</i>	Ca_Desig_denovo	3825648	(A/C)
38650	CadSNP14245	<i>Desi</i>	Ca_Desig_denovo	3848432	(A/C)
38651	CadSNP14246	<i>Desi</i>	Ca_Desig_denovo	3855306	(T/C)
38652	CadSNP14247	<i>Desi</i>	Ca_Desig_denovo	3891809	(G/C)
38653	CadSNP14248	<i>Desi</i>	Ca_Desig_denovo	3893549	(G/A)
38654	CadSNP14249	<i>Desi</i>	Ca_Desig_denovo	3907988	(G/C)
38655	CadSNP14250	<i>Desi</i>	Ca_Desig_denovo	3909676	(C/G)
38656	CadSNP14251	<i>Desi</i>	Ca_Desig_denovo	3933740	(A/G)
38657	CadSNP14252	<i>Desi</i>	Ca_Desig_denovo	3955406	(G/C)
38658	CadSNP14253	<i>Desi</i>	Ca_Desig_denovo	3955424	(C/T)
38659	CadSNP14254	<i>Desi</i>	Ca_Desig_denovo	3955427	(T/C)
38660	CadSNP14255	<i>Desi</i>	Ca_Desig_denovo	3962570	(G/A)
38661	CadSNP14256	<i>Desi</i>	Ca_Desig_denovo	3972385	(A/G)
38662	CadSNP14257	<i>Desi</i>	Ca_Desig_denovo	3986458	(T/A)
38663	CadSNP14258	<i>Desi</i>	Ca_Desig_denovo	4006808	(C/T)
38664	CadSNP14259	<i>Desi</i>	Ca_Desig_denovo	4016783	(C/T)
38665	CadSNP14260	<i>Desi</i>	Ca_Desig_denovo	4079180	(T/C)
38666	CadSNP14261	<i>Desi</i>	Ca_Desig_denovo	4079210	(A/G)
38667	CadSNP14262	<i>Desi</i>	Ca_Desig_denovo	4122055	(C/T)
38668	CadSNP14263	<i>Desi</i>	Ca_Desig_denovo	4128098	(A/G)
38669	CadSNP14264	<i>Desi</i>	Ca_Desig_denovo	4128113	(A/G)
38670	CadSNP14265	<i>Desi</i>	Ca_Desig_denovo	4152630	(G/T)
38671	CadSNP14266	<i>Desi</i>	Ca_Desig_denovo	4166827	(C/T)
38672	CadSNP14267	<i>Desi</i>	Ca_Desig_denovo	4166835	(G/T)
38673	CadSNP14268	<i>Desi</i>	Ca_Desig_denovo	4178217	(C/T)
38674	CadSNP14269	<i>Desi</i>	Ca_Desig_denovo	4178298	(A/G)
38675	CadSNP14270	<i>Desi</i>	Ca_Desig_denovo	4179721	(G/A)
38676	CadSNP14271	<i>Desi</i>	Ca_Desig_denovo	4179724	(T/G)
38677	CadSNP14272	<i>Desi</i>	Ca_Desig_denovo	4185804	(T/A)
38678	CadSNP14273	<i>Desi</i>	Ca_Desig_denovo	4199092	(G/A)
38679	CadSNP14274	<i>Desi</i>	Ca_Desig_denovo	4199095	(A/G)
38680	CadSNP14275	<i>Desi</i>	Ca_Desig_denovo	4202520	(C/T)
38681	CadSNP14276	<i>Desi</i>	Ca_Desig_denovo	4208390	(T/G)
38682	CadSNP14277	<i>Desi</i>	Ca_Desig_denovo	4208402	(A/G)
38683	CadSNP14278	<i>Desi</i>	Ca_Desig_denovo	4214482	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38684	CadSNP14279	<i>Desi</i>	Ca_Desig_denovo	4291216	(C/T)
38685	CadSNP14280	<i>Desi</i>	Ca_Desig_denovo	4291237	(C/G)
38686	CadSNP14281	<i>Desi</i>	Ca_Desig_denovo	4291401	(G/A)
38687	CadSNP14282	<i>Desi</i>	Ca_Desig_denovo	4367205	(C/G)
38688	CadSNP14283	<i>Desi</i>	Ca_Desig_denovo	4367231	(C/T)
38689	CadSNP14284	<i>Desi</i>	Ca_Desig_denovo	4396676	(C/T)
38690	CadSNP14285	<i>Desi</i>	Ca_Desig_denovo	4396712	(C/A)
38691	CadSNP14286	<i>Desi</i>	Ca_Desig_denovo	4405942	(C/G)
38692	CadSNP14287	<i>Desi</i>	Ca_Desig_denovo	4420212	(A/T)
38693	CadSNP14288	<i>Desi</i>	Ca_Desig_denovo	4429216	(C/T)
38694	CadSNP14289	<i>Desi</i>	Ca_Desig_denovo	4429218	(G/T)
38695	CadSNP14290	<i>Desi</i>	Ca_Desig_denovo	4433961	(A/C)
38696	CadSNP14291	<i>Desi</i>	Ca_Desig_denovo	4493879	(T/C)
38697	CadSNP14292	<i>Desi</i>	Ca_Desig_denovo	4493891	(C/G)
38698	CadSNP14293	<i>Desi</i>	Ca_Desig_denovo	4516100	(A/G)
38699	CadSNP14294	<i>Desi</i>	Ca_Desig_denovo	4516115	(A/G)
38700	CadSNP14295	<i>Desi</i>	Ca_Desig_denovo	4517853	(A/T)
38701	CadSNP14296	<i>Desi</i>	Ca_Desig_denovo	4517854	(C/T)
38702	CadSNP14297	<i>Desi</i>	Ca_Desig_denovo	4561948	(C/T)
38703	CadSNP14298	<i>Desi</i>	Ca_Desig_denovo	4561993	(G/A)
38704	CadSNP14299	<i>Desi</i>	Ca_Desig_denovo	4585454	(G/T)
38705	CadSNP14300	<i>Desi</i>	Ca_Desig_denovo	4585457	(A/T)
38706	CadSNP14301	<i>Desi</i>	Ca_Desig_denovo	4588751	(C/G)
38707	CadSNP14302	<i>Desi</i>	Ca_Desig_denovo	4588757	(A/G)
38708	CadSNP14303	<i>Desi</i>	Ca_Desig_denovo	4602987	(T/G)
38709	CadSNP14304	<i>Desi</i>	Ca_Desig_denovo	4602988	(T/A)
38710	CadSNP14305	<i>Desi</i>	Ca_Desig_denovo	4609225	(C/T)
38711	CadSNP14306	<i>Desi</i>	Ca_Desig_denovo	4617670	(C/G)
38712	CadSNP14307	<i>Desi</i>	Ca_Desig_denovo	4651860	(A/C)
38713	CadSNP14308	<i>Desi</i>	Ca_Desig_denovo	4654923	(G/C)
38714	CadSNP14309	<i>Desi</i>	Ca_Desig_denovo	4684365	(T/A)
38715	CadSNP14310	<i>Desi</i>	Ca_Desig_denovo	4692364	(G/A)
38716	CadSNP14311	<i>Desi</i>	Ca_Desig_denovo	4698467	(C/A)
38717	CadSNP14312	<i>Desi</i>	Ca_Desig_denovo	4698478	(G/A)
38718	CadSNP14313	<i>Desi</i>	Ca_Desig_denovo	4699581	(G/A)
38719	CadSNP14314	<i>Desi</i>	Ca_Desig_denovo	4699607	(G/C)
38720	CadSNP14315	<i>Desi</i>	Ca_Desig_denovo	4711654	(C/T)
38721	CadSNP14316	<i>Desi</i>	Ca_Desig_denovo	4722392	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38722	CadSNP14317	<i>Desi</i>	Ca_Desig_denovo	4722398	(G/A)
38723	CadSNP14318	<i>Desi</i>	Ca_Desig_denovo	4723518	(C/G)
38724	CadSNP14319	<i>Desi</i>	Ca_Desig_denovo	4744879	(G/A)
38725	CadSNP14320	<i>Desi</i>	Ca_Desig_denovo	4762723	(A/G)
38726	CadSNP14321	<i>Desi</i>	Ca_Desig_denovo	4762736	(C/T)
38727	CadSNP14322	<i>Desi</i>	Ca_Desig_denovo	4762744	(T/C)
38728	CadSNP14323	<i>Desi</i>	Ca_Desig_denovo	4784056	(G/A)
38729	CadSNP14324	<i>Desi</i>	Ca_Desig_denovo	4805522	(C/T)
38730	CadSNP14325	<i>Desi</i>	Ca_Desig_denovo	4820107	(A/C)
38731	CadSNP14326	<i>Desi</i>	Ca_Desig_denovo	4820119	(G/C)
38732	CadSNP14327	<i>Desi</i>	Ca_Desig_denovo	4830028	(A/G)
38733	CadSNP14328	<i>Desi</i>	Ca_Desig_denovo	4844460	(A/C)
38734	CadSNP14329	<i>Desi</i>	Ca_Desig_denovo	4858333	(G/A)
38735	CadSNP14330	<i>Desi</i>	Ca_Desig_denovo	4858342	(C/T)
38736	CadSNP14331	<i>Desi</i>	Ca_Desig_denovo	4860194	(T/C)
38737	CadSNP14332	<i>Desi</i>	Ca_Desig_denovo	4871184	(G/A)
38738	CadSNP14333	<i>Desi</i>	Ca_Desig_denovo	4872847	(A/G)
38739	CadSNP14334	<i>Desi</i>	Ca_Desig_denovo	4872849	(G/A)
38740	CadSNP14335	<i>Desi</i>	Ca_Desig_denovo	4872854	(G/C)
38741	CadSNP14336	<i>Desi</i>	Ca_Desig_denovo	4872856	(C/G)
38742	CadSNP14337	<i>Desi</i>	Ca_Desig_denovo	4872857	(A/C)
38743	CadSNP14338	<i>Desi</i>	Ca_Desig_denovo	4872887	(T/G)
38744	CadSNP14339	<i>Desi</i>	Ca_Desig_denovo	4895250	(A/T)
38745	CadSNP14340	<i>Desi</i>	Ca_Desig_denovo	4895288	(C/T)
38746	CadSNP14341	<i>Desi</i>	Ca_Desig_denovo	4903067	(T/C)
38747	CadSNP14342	<i>Desi</i>	Ca_Desig_denovo	4903082	(G/A)
38748	CadSNP14343	<i>Desi</i>	Ca_Desig_denovo	4909773	(C/A)
38749	CadSNP14344	<i>Desi</i>	Ca_Desig_denovo	4958450	(C/T)
38750	CadSNP14345	<i>Desi</i>	Ca_Desig_denovo	4967233	(T/G)
38751	CadSNP14346	<i>Desi</i>	Ca_Desig_denovo	4967263	(C/T)
38752	CadSNP14347	<i>Desi</i>	Ca_Desig_denovo	4977460	(A/G)
38753	CadSNP14348	<i>Desi</i>	Ca_Desig_denovo	4982072	(T/C)
38754	CadSNP14349	<i>Desi</i>	Ca_Desig_denovo	5001267	(C/G)
38755	CadSNP14350	<i>Desi</i>	Ca_Desig_denovo	5001282	(A/G)
38756	CadSNP14351	<i>Desi</i>	Ca_Desig_denovo	5027720	(C/G)
38757	CadSNP14352	<i>Desi</i>	Ca_Desig_denovo	5028376	(C/G)
38758	CadSNP14353	<i>Desi</i>	Ca_Desig_denovo	5061919	(C/G)
38759	CadSNP14354	<i>Desi</i>	Ca_Desig_denovo	5075873	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38760	CadSNP14355	<i>Desi</i>	Ca_Desig_denovo	5137227	(A/C)
38761	CadSNP14356	<i>Desi</i>	Ca_Desig_denovo	5154310	(T/A)
38762	CadSNP14357	<i>Desi</i>	Ca_Desig_denovo	5154731	(G/A)
38763	CadSNP14358	<i>Desi</i>	Ca_Desig_denovo	5154741	(G/A)
38764	CadSNP14359	<i>Desi</i>	Ca_Desig_denovo	5170486	(C/T)
38765	CadSNP14360	<i>Desi</i>	Ca_Desig_denovo	5170760	(C/T)
38766	CadSNP14361	<i>Desi</i>	Ca_Desig_denovo	5196796	(C/T)
38767	CadSNP14362	<i>Desi</i>	Ca_Desig_denovo	5196841	(C/T)
38768	CadSNP14363	<i>Desi</i>	Ca_Desig_denovo	5247170	(C/A)
38769	CadSNP14364	<i>Desi</i>	Ca_Desig_denovo	5286013	(G/A)
38770	CadSNP14365	<i>Desi</i>	Ca_Desig_denovo	5296138	(G/A)
38771	CadSNP14366	<i>Desi</i>	Ca_Desig_denovo	5302064	(A/T)
38772	CadSNP14367	<i>Desi</i>	Ca_Desig_denovo	5306389	(G/T)
38773	CadSNP14368	<i>Desi</i>	Ca_Desig_denovo	5306393	(T/G)
38774	CadSNP14369	<i>Desi</i>	Ca_Desig_denovo	5309450	(T/G)
38775	CadSNP14370	<i>Desi</i>	Ca_Desig_denovo	5325105	(A/T)
38776	CadSNP14371	<i>Desi</i>	Ca_Desig_denovo	5333942	(G/T)
38777	CadSNP14372	<i>Desi</i>	Ca_Desig_denovo	5334522	(G/A)
38778	CadSNP14373	<i>Desi</i>	Ca_Desig_denovo	5378246	(G/A)
38779	CadSNP14374	<i>Desi</i>	Ca_Desig_denovo	5380881	(C/T)
38780	CadSNP14375	<i>Desi</i>	Ca_Desig_denovo	5392831	(T/G)
38781	CadSNP14376	<i>Desi</i>	Ca_Desig_denovo	5419320	(C/T)
38782	CadSNP14377	<i>Desi</i>	Ca_Desig_denovo	5419368	(T/G)
38783	CadSNP14378	<i>Desi</i>	Ca_Desig_denovo	5427916	(C/T)
38784	CadSNP14379	<i>Desi</i>	Ca_Desig_denovo	5427935	(T/C)
38785	CadSNP14380	<i>Desi</i>	Ca_Desig_denovo	5431124	(T/C)
38786	CadSNP14381	<i>Desi</i>	Ca_Desig_denovo	5444137	(G/T)
38787	CadSNP14382	<i>Desi</i>	Ca_Desig_denovo	5480174	(G/A)
38788	CadSNP14383	<i>Desi</i>	Ca_Desig_denovo	5493200	(T/C)
38789	CadSNP14384	<i>Desi</i>	Ca_Desig_denovo	5509528	(C/G)
38790	CadSNP14385	<i>Desi</i>	Ca_Desig_denovo	5509535	(T/C)
38791	CadSNP14386	<i>Desi</i>	Ca_Desig_denovo	5522046	(A/C)
38792	CadSNP14387	<i>Desi</i>	Ca_Desig_denovo	5529942	(C/T)
38793	CadSNP14388	<i>Desi</i>	Ca_Desig_denovo	5529966	(G/A)
38794	CadSNP14389	<i>Desi</i>	Ca_Desig_denovo	5536855	(C/T)
38795	CadSNP14390	<i>Desi</i>	Ca_Desig_denovo	5536861	(A/T)
38796	CadSNP14391	<i>Desi</i>	Ca_Desig_denovo	5543043	(A/G)
38797	CadSNP14392	<i>Desi</i>	Ca_Desig_denovo	5543047	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38798	CadSNP14393	<i>Desi</i>	Ca_Desig_denovo	5551374	(C/T)
38799	CadSNP14394	<i>Desi</i>	Ca_Desig_denovo	5594620	(C/T)
38800	CadSNP14395	<i>Desi</i>	Ca_Desig_denovo	5594641	(C/G)
38801	CadSNP14396	<i>Desi</i>	Ca_Desig_denovo	5594662	(C/G)
38802	CadSNP14397	<i>Desi</i>	Ca_Desig_denovo	5599050	(C/T)
38803	CadSNP14398	<i>Desi</i>	Ca_Desig_denovo	5617213	(A/C)
38804	CadSNP14399	<i>Desi</i>	Ca_Desig_denovo	5625771	(C/G)
38805	CadSNP14400	<i>Desi</i>	Ca_Desig_denovo	5625797	(C/T)
38806	CadSNP14401	<i>Desi</i>	Ca_Desig_denovo	5685578	(T/C)
38807	CadSNP14402	<i>Desi</i>	Ca_Desig_denovo	5685584	(G/C)
38808	CadSNP14403	<i>Desi</i>	Ca_Desig_denovo	5725841	(G/C)
38809	CadSNP14404	<i>Desi</i>	Ca_Desig_denovo	5725844	(G/A)
38810	CadSNP14405	<i>Desi</i>	Ca_Desig_denovo	5725853	(T/G)
38811	CadSNP14406	<i>Desi</i>	Ca_Desig_denovo	5729033	(A/C)
38812	CadSNP14407	<i>Desi</i>	Ca_Desig_denovo	5732268	(A/G)
38813	CadSNP14408	<i>Desi</i>	Ca_Desig_denovo	5732293	(G/C)
38814	CadSNP14409	<i>Desi</i>	Ca_Desig_denovo	5737658	(A/G)
38815	CadSNP14410	<i>Desi</i>	Ca_Desig_denovo	5773193	(G/T)
38816	CadSNP14411	<i>Desi</i>	Ca_Desig_denovo	5773243	(G/A)
38817	CadSNP14412	<i>Desi</i>	Ca_Desig_denovo	5810510	(G/A)
38818	CadSNP14413	<i>Desi</i>	Ca_Desig_denovo	5849049	(G/A)
38819	CadSNP14414	<i>Desi</i>	Ca_Desig_denovo	5851568	(A/G)
38820	CadSNP14415	<i>Desi</i>	Ca_Desig_denovo	5851570	(T/C)
38821	CadSNP14416	<i>Desi</i>	Ca_Desig_denovo	5851573	(T/G)
38822	CadSNP14417	<i>Desi</i>	Ca_Desig_denovo	5870200	(G/A)
38823	CadSNP14418	<i>Desi</i>	Ca_Desig_denovo	5870201	(G/A)
38824	CadSNP14419	<i>Desi</i>	Ca_Desig_denovo	5870210	(C/G)
38825	CadSNP14420	<i>Desi</i>	Ca_Desig_denovo	5917788	(A/C)
38826	CadSNP14421	<i>Desi</i>	Ca_Desig_denovo	5917861	(G/C)
38827	CadSNP14422	<i>Desi</i>	Ca_Desig_denovo	5929414	(A/G)
38828	CadSNP14423	<i>Desi</i>	Ca_Desig_denovo	5929423	(A/G)
38829	CadSNP14424	<i>Desi</i>	Ca_Desig_denovo	5979830	(C/T)
38830	CadSNP14425	<i>Desi</i>	Ca_Desig_denovo	5979875	(G/T)
38831	CadSNP14426	<i>Desi</i>	Ca_Desig_denovo	5989489	(A/G)
38832	CadSNP14427	<i>Desi</i>	Ca_Desig_denovo	5989795	(T/C)
38833	CadSNP14428	<i>Desi</i>	Ca_Desig_denovo	5995102	(T/C)
38834	CadSNP14429	<i>Desi</i>	Ca_Desig_denovo	5996634	(T/C)
38835	CadSNP14430	<i>Desi</i>	Ca_Desig_denovo	6010338	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38836	CadSNP14431	<i>Desi</i>	Ca_Desig_denovo	6014962	(A/C)
38837	CadSNP14432	<i>Desi</i>	Ca_Desig_denovo	6032654	(C/G)
38838	CadSNP14433	<i>Desi</i>	Ca_Desig_denovo	6039909	(A/G)
38839	CadSNP14434	<i>Desi</i>	Ca_Desig_denovo	6051724	(C/T)
38840	CadSNP14435	<i>Desi</i>	Ca_Desig_denovo	6085535	(C/T)
38841	CadSNP14436	<i>Desi</i>	Ca_Desig_denovo	6090345	(T/A)
38842	CadSNP14437	<i>Desi</i>	Ca_Desig_denovo	6122608	(G/C)
38843	CadSNP14438	<i>Desi</i>	Ca_Desig_denovo	6123325	(C/G)
38844	CadSNP14439	<i>Desi</i>	Ca_Desig_denovo	6123332	(T/C)
38845	CadSNP14440	<i>Desi</i>	Ca_Desig_denovo	6131707	(T/A)
38846	CadSNP14441	<i>Desi</i>	Ca_Desig_denovo	6131770	(A/G)
38847	CadSNP14442	<i>Desi</i>	Ca_Desig_denovo	6156337	(C/T)
38848	CadSNP14443	<i>Desi</i>	Ca_Desig_denovo	6166487	(G/A)
38849	CadSNP14444	<i>Desi</i>	Ca_Desig_denovo	6166549	(C/G)
38850	CadSNP14445	<i>Desi</i>	Ca_Desig_denovo	6168233	(G/A)
38851	CadSNP14446	<i>Desi</i>	Ca_Desig_denovo	6173030	(G/A)
38852	CadSNP14447	<i>Desi</i>	Ca_Desig_denovo	6198560	(G/C)
38853	CadSNP14448	<i>Desi</i>	Ca_Desig_denovo	6221791	(G/C)
38854	CadSNP14449	<i>Desi</i>	Ca_Desig_denovo	6222266	(T/C)
38855	CadSNP14450	<i>Desi</i>	Ca_Desig_denovo	6222269	(C/G)
38856	CadSNP14451	<i>Desi</i>	Ca_Desig_denovo	6225265	(C/T)
38857	CadSNP14452	<i>Desi</i>	Ca_Desig_denovo	6225268	(C/A)
38858	CadSNP14453	<i>Desi</i>	Ca_Desig_denovo	6229801	(G/C)
38859	CadSNP14454	<i>Desi</i>	Ca_Desig_denovo	6251327	(A/G)
38860	CadSNP14455	<i>Desi</i>	Ca_Desig_denovo	6295032	(G/A)
38861	CadSNP14456	<i>Desi</i>	Ca_Desig_denovo	6295035	(C/T)
38862	CadSNP14457	<i>Desi</i>	Ca_Desig_denovo	6325219	(A/G)
38863	CadSNP14458	<i>Desi</i>	Ca_Desig_denovo	6325226	(A/C)
38864	CadSNP14459	<i>Desi</i>	Ca_Desig_denovo	6325255	(A/C)
38865	CadSNP14460	<i>Desi</i>	Ca_Desig_denovo	6369540	(C/A)
38866	CadSNP14461	<i>Desi</i>	Ca_Desig_denovo	6561359	(T/G)
38867	CadSNP14462	<i>Desi</i>	Ca_Desig_denovo	6567313	(C/T)
38868	CadSNP14463	<i>Desi</i>	Ca_Desig_denovo	6567899	(A/C)
38869	CadSNP14464	<i>Desi</i>	Ca_Desig_denovo	6582026	(C/T)
38870	CadSNP14465	<i>Desi</i>	Ca_Desig_denovo	6597730	(G/A)
38871	CadSNP14466	<i>Desi</i>	Ca_Desig_denovo	6603378	(G/A)
38872	CadSNP14467	<i>Desi</i>	Ca_Desig_denovo	6676961	(G/A)
38873	CadSNP14468	<i>Desi</i>	Ca_Desig_denovo	6697501	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38874	CadSNP14469	<i>Desi</i>	Ca_Desig_denovo	6703661	(C/T)
38875	CadSNP14470	<i>Desi</i>	Ca_Desig_denovo	6796639	(G/C)
38876	CadSNP14471	<i>Desi</i>	Ca_Desig_denovo	6796647	(A/G)
38877	CadSNP14472	<i>Desi</i>	Ca_Desig_denovo	6803518	(C/T)
38878	CadSNP14473	<i>Desi</i>	Ca_Desig_denovo	6803521	(G/T)
38879	CadSNP14474	<i>Desi</i>	Ca_Desig_denovo	6803536	(G/T)
38880	CadSNP14475	<i>Desi</i>	Ca_Desig_denovo	6803540	(T/A)
38881	CadSNP14476	<i>Desi</i>	Ca_Desig_denovo	6811456	(C/T)
38882	CadSNP14477	<i>Desi</i>	Ca_Desig_denovo	6811468	(G/A)
38883	CadSNP14478	<i>Desi</i>	Ca_Desig_denovo	6811478	(A/G)
38884	CadSNP14479	<i>Desi</i>	Ca_Desig_denovo	6816820	(T/C)
38885	CadSNP14480	<i>Desi</i>	Ca_Desig_denovo	6833173	(A/C)
38886	CadSNP14481	<i>Desi</i>	Ca_Desig_denovo	6835538	(T/G)
38887	CadSNP14482	<i>Desi</i>	Ca_Desig_denovo	6846879	(T/A)
38888	CadSNP14483	<i>Desi</i>	Ca_Desig_denovo	6899221	(C/T)
38889	CadSNP14484	<i>Desi</i>	Ca_Desig_denovo	6900343	(A/G)
38890	CadSNP14485	<i>Desi</i>	Ca_Desig_denovo	6917572	(T/C)
38891	CadSNP14486	<i>Desi</i>	Ca_Desig_denovo	6933808	(T/G)
38892	CadSNP14487	<i>Desi</i>	Ca_Desig_denovo	6933814	(G/C)
38893	CadSNP14488	<i>Desi</i>	Ca_Desig_denovo	6942583	(G/C)
38894	CadSNP14489	<i>Desi</i>	Ca_Desig_denovo	6965339	(G/C)
38895	CadSNP14490	<i>Desi</i>	Ca_Desig_denovo	6965406	(C/T)
38896	CadSNP14491	<i>Desi</i>	Ca_Desig_denovo	6965419	(A/C)
38897	CadSNP14492	<i>Desi</i>	Ca_Desig_denovo	6974849	(G/A)
38898	CadSNP14493	<i>Desi</i>	Ca_Desig_denovo	6974851	(T/C)
38899	CadSNP14494	<i>Desi</i>	Ca_Desig_denovo	6980062	(A/G)
38900	CadSNP14495	<i>Desi</i>	Ca_Desig_denovo	6980083	(C/G)
38901	CadSNP14496	<i>Desi</i>	Ca_Desig_denovo	6986447	(G/A)
38902	CadSNP14497	<i>Desi</i>	Ca_Desig_denovo	6986471	(C/T)
38903	CadSNP14498	<i>Desi</i>	Ca_Desig_denovo	7038125	(C/G)
38904	CadSNP14499	<i>Desi</i>	Ca_Desig_denovo	7038131	(G/A)
38905	CadSNP14500	<i>Desi</i>	Ca_Desig_denovo	7081042	(A/G)
38906	CadSNP14501	<i>Desi</i>	Ca_Desig_denovo	7081969	(T/C)
38907	CadSNP14502	<i>Desi</i>	Ca_Desig_denovo	7086830	(C/G)
38908	CadSNP14503	<i>Desi</i>	Ca_Desig_denovo	7086832	(G/C)
38909	CadSNP14504	<i>Desi</i>	Ca_Desig_denovo	7086835	(C/A)
38910	CadSNP14505	<i>Desi</i>	Ca_Desig_denovo	7086838	(A/T)
38911	CadSNP14506	<i>Desi</i>	Ca_Desig_denovo	7086843	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38912	CadSNP14507	<i>Desi</i>	Ca_Desig_denovo	7086844	(T/G)
38913	CadSNP14508	<i>Desi</i>	Ca_Desig_denovo	7124683	(A/G)
38914	CadSNP14509	<i>Desi</i>	Ca_Desig_denovo	7124730	(T/C)
38915	CadSNP14510	<i>Desi</i>	Ca_Desig_denovo	7134902	(G/C)
38916	CadSNP14511	<i>Desi</i>	Ca_Desig_denovo	7134910	(T/C)
38917	CadSNP14512	<i>Desi</i>	Ca_Desig_denovo	7145599	(G/A)
38918	CadSNP14513	<i>Desi</i>	Ca_Desig_denovo	7176848	(T/G)
38919	CadSNP14514	<i>Desi</i>	Ca_Desig_denovo	7199044	(C/G)
38920	CadSNP14515	<i>Desi</i>	Ca_Desig_denovo	7220808	(G/A)
38921	CadSNP14516	<i>Desi</i>	Ca_Desig_denovo	7229391	(T/C)
38922	CadSNP14517	<i>Desi</i>	Ca_Desig_denovo	7229400	(A/G)
38923	CadSNP14518	<i>Desi</i>	Ca_Desig_denovo	7243132	(T/G)
38924	CadSNP14519	<i>Desi</i>	Ca_Desig_denovo	7246415	(T/C)
38925	CadSNP14520	<i>Desi</i>	Ca_Desig_denovo	7252920	(G/A)
38926	CadSNP14521	<i>Desi</i>	Ca_Desig_denovo	7281434	(A/C)
38927	CadSNP14522	<i>Desi</i>	Ca_Desig_denovo	7288610	(A/G)
38928	CadSNP14523	<i>Desi</i>	Ca_Desig_denovo	7300964	(A/C)
38929	CadSNP14524	<i>Desi</i>	Ca_Desig_denovo	7301851	(A/G)
38930	CadSNP14525	<i>Desi</i>	Ca_Desig_denovo	7353160	(G/T)
38931	CadSNP14526	<i>Desi</i>	Ca_Desig_denovo	7353460	(A/T)
38932	CadSNP14527	<i>Desi</i>	Ca_Desig_denovo	7353476	(A/T)
38933	CadSNP14528	<i>Desi</i>	Ca_Desig_denovo	7355707	(A/G)
38934	CadSNP14529	<i>Desi</i>	Ca_Desig_denovo	7383750	(A/G)
38935	CadSNP14530	<i>Desi</i>	Ca_Desig_denovo	7400302	(G/A)
38936	CadSNP14531	<i>Desi</i>	Ca_Desig_denovo	7400320	(A/T)
38937	CadSNP14532	<i>Desi</i>	Ca_Desig_denovo	7405606	(A/C)
38938	CadSNP14533	<i>Desi</i>	Ca_Desig_denovo	7405664	(C/G)
38939	CadSNP14534	<i>Desi</i>	Ca_Desig_denovo	7405665	(A/G)
38940	CadSNP14535	<i>Desi</i>	Ca_Desig_denovo	7437331	(C/G)
38941	CadSNP14536	<i>Desi</i>	Ca_Desig_denovo	7437332	(T/A)
38942	CadSNP14537	<i>Desi</i>	Ca_Desig_denovo	7437343	(C/T)
38943	CadSNP14538	<i>Desi</i>	Ca_Desig_denovo	7437345	(T/C)
38944	CadSNP14539	<i>Desi</i>	Ca_Desig_denovo	7444900	(A/T)
38945	CadSNP14540	<i>Desi</i>	Ca_Desig_denovo	7450814	(A/G)
38946	CadSNP14541	<i>Desi</i>	Ca_Desig_denovo	7460196	(A/G)
38947	CadSNP14542	<i>Desi</i>	Ca_Desig_denovo	7460197	(T/A)
38948	CadSNP14543	<i>Desi</i>	Ca_Desig_denovo	7460239	(T/C)
38949	CadSNP14544	<i>Desi</i>	Ca_Desig_denovo	7460660	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38950	CadSNP14545	<i>Desi</i>	Ca_Desig_denovo	7460678	(C/G)
38951	CadSNP14546	<i>Desi</i>	Ca_Desig_denovo	7461227	(C/G)
38952	CadSNP14547	<i>Desi</i>	Ca_Desig_denovo	7461250	(T/C)
38953	CadSNP14548	<i>Desi</i>	Ca_Desig_denovo	7470367	(T/C)
38954	CadSNP14549	<i>Desi</i>	Ca_Desig_denovo	7474881	(C/A)
38955	CadSNP14550	<i>Desi</i>	Ca_Desig_denovo	7474900	(A/C)
38956	CadSNP14551	<i>Desi</i>	Ca_Desig_denovo	7484553	(A/T)
38957	CadSNP14552	<i>Desi</i>	Ca_Desig_denovo	7484556	(A/G)
38958	CadSNP14553	<i>Desi</i>	Ca_Desig_denovo	7484558	(G/A)
38959	CadSNP14554	<i>Desi</i>	Ca_Desig_denovo	7484570	(G/C)
38960	CadSNP14555	<i>Desi</i>	Ca_Desig_denovo	7484587	(G/C)
38961	CadSNP14556	<i>Desi</i>	Ca_Desig_denovo	7484592	(T/C)
38962	CadSNP14557	<i>Desi</i>	Ca_Desig_denovo	7497304	(C/T)
38963	CadSNP14558	<i>Desi</i>	Ca_Desig_denovo	7497316	(A/G)
38964	CadSNP14559	<i>Desi</i>	Ca_Desig_denovo	7500291	(C/G)
38965	CadSNP14560	<i>Desi</i>	Ca_Desig_denovo	7500336	(T/C)
38966	CadSNP14561	<i>Desi</i>	Ca_Desig_denovo	7501395	(G/A)
38967	CadSNP14562	<i>Desi</i>	Ca_Desig_denovo	7501405	(C/A)
38968	CadSNP14563	<i>Desi</i>	Ca_Desig_denovo	7501429	(C/G)
38969	CadSNP14564	<i>Desi</i>	Ca_Desig_denovo	7509939	(T/A)
38970	CadSNP14565	<i>Desi</i>	Ca_Desig_denovo	7509948	(A/G)
38971	CadSNP14566	<i>Desi</i>	Ca_Desig_denovo	7517479	(T/C)
38972	CadSNP14567	<i>Desi</i>	Ca_Desig_denovo	7517484	(A/G)
38973	CadSNP14568	<i>Desi</i>	Ca_Desig_denovo	7517485	(T/C)
38974	CadSNP14569	<i>Desi</i>	Ca_Desig_denovo	7517486	(A/C)
38975	CadSNP14570	<i>Desi</i>	Ca_Desig_denovo	7517491	(G/C)
38976	CadSNP14571	<i>Desi</i>	Ca_Desig_denovo	7517494	(A/T)
38977	CadSNP14572	<i>Desi</i>	Ca_Desig_denovo	7517498	(T/C)
38978	CadSNP14573	<i>Desi</i>	Ca_Desig_denovo	7517504	(C/T)
38979	CadSNP14574	<i>Desi</i>	Ca_Desig_denovo	7517512	(C/G)
38980	CadSNP14575	<i>Desi</i>	Ca_Desig_denovo	7517513	(A/G)
38981	CadSNP14576	<i>Desi</i>	Ca_Desig_denovo	7517514	(G/T)
38982	CadSNP14577	<i>Desi</i>	Ca_Desig_denovo	7533025	(A/T)
38983	CadSNP14578	<i>Desi</i>	Ca_Desig_denovo	7543326	(A/T)
38984	CadSNP14579	<i>Desi</i>	Ca_Desig_denovo	7568643	(T/C)
38985	CadSNP14580	<i>Desi</i>	Ca_Desig_denovo	7568655	(G/A)
38986	CadSNP14581	<i>Desi</i>	Ca_Desig_denovo	7569679	(T/A)
38987	CadSNP14582	<i>Desi</i>	Ca_Desig_denovo	7579542	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38988	CadSNP14583	<i>Desi</i>	Ca_Desig_denovo	7580265	(C/T)
38989	CadSNP14584	<i>Desi</i>	Ca_Desig_denovo	7580287	(G/A)
38990	CadSNP14585	<i>Desi</i>	Ca_Desig_denovo	7584060	(A/T)
38991	CadSNP14586	<i>Desi</i>	Ca_Desig_denovo	7584064	(T/G)
38992	CadSNP14587	<i>Desi</i>	Ca_Desig_denovo	7584066	(T/C)
38993	CadSNP14588	<i>Desi</i>	Ca_Desig_denovo	7584067	(C/T)
38994	CadSNP14589	<i>Desi</i>	Ca_Desig_denovo	7584420	(C/A)
38995	CadSNP14590	<i>Desi</i>	Ca_Desig_denovo	7584430	(G/T)
38996	CadSNP14591	<i>Desi</i>	Ca_Desig_denovo	7587312	(G/A)
38997	CadSNP14592	<i>Desi</i>	Ca_Desig_denovo	7592529	(C/G)
38998	CadSNP14593	<i>Desi</i>	Ca_Desig_denovo	7592536	(T/C)
38999	CadSNP14594	<i>Desi</i>	Ca_Desig_denovo	7592540	(T/A)
39000	CadSNP14595	<i>Desi</i>	Ca_Desig_denovo	7593231	(T/A)
39001	CadSNP14596	<i>Desi</i>	Ca_Desig_denovo	7618402	(A/G)
39002	CadSNP14597	<i>Desi</i>	Ca_Desig_denovo	7626487	(C/T)
39003	CadSNP14598	<i>Desi</i>	Ca_Desig_denovo	7647831	(G/A)
39004	CadSNP14599	<i>Desi</i>	Ca_Desig_denovo	7651678	(G/A)
39005	CadSNP14600	<i>Desi</i>	Ca_Desig_denovo	7663456	(G/C)
39006	CadSNP14601	<i>Desi</i>	Ca_Desig_denovo	7733249	(C/T)
39007	CadSNP14602	<i>Desi</i>	Ca_Desig_denovo	7738652	(A/G)
39008	CadSNP14603	<i>Desi</i>	Ca_Desig_denovo	7754914	(A/G)
39009	CadSNP14604	<i>Desi</i>	Ca_Desig_denovo	7772980	(A/C)
39010	CadSNP14605	<i>Desi</i>	Ca_Desig_denovo	7780748	(A/C)
39011	CadSNP14606	<i>Desi</i>	Ca_Desig_denovo	7780751	(T/C)
39012	CadSNP14607	<i>Desi</i>	Ca_Desig_denovo	7780752	(C/A)
39013	CadSNP14608	<i>Desi</i>	Ca_Desig_denovo	7800105	(G/A)
39014	CadSNP14609	<i>Desi</i>	Ca_Desig_denovo	7800136	(A/G)
39015	CadSNP14610	<i>Desi</i>	Ca_Desig_denovo	7802108	(G/A)
39016	CadSNP14611	<i>Desi</i>	Ca_Desig_denovo	7802452	(A/G)
39017	CadSNP14612	<i>Desi</i>	Ca_Desig_denovo	7802461	(G/A)
39018	CadSNP14613	<i>Desi</i>	Ca_Desig_denovo	7802505	(T/C)
39019	CadSNP14614	<i>Desi</i>	Ca_Desig_denovo	7802508	(C/T)
39020	CadSNP14615	<i>Desi</i>	Ca_Desig_denovo	7804861	(C/T)
39021	CadSNP14616	<i>Desi</i>	Ca_Desig_denovo	7804892	(C/T)
39022	CadSNP14617	<i>Desi</i>	Ca_Desig_denovo	7808194	(C/T)
39023	CadSNP14618	<i>Desi</i>	Ca_Desig_denovo	7811394	(C/T)
39024	CadSNP14619	<i>Desi</i>	Ca_Desig_denovo	7839653	(C/T)
39025	CadSNP14620	<i>Desi</i>	Ca_Desig_denovo	7839671	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39026	CadSNP14621	<i>Desi</i>	Ca_Desig_denovo	7839675	(A/T)
39027	CadSNP14622	<i>Desi</i>	Ca_Desig_denovo	7883488	(G/A)
39028	CadSNP14623	<i>Desi</i>	Ca_Desig_denovo	7889023	(G/A)
39029	CadSNP14624	<i>Desi</i>	Ca_Desig_denovo	7895818	(T/C)
39030	CadSNP14625	<i>Desi</i>	Ca_Desig_denovo	7915818	(C/T)
39031	CadSNP14626	<i>Desi</i>	Ca_Desig_denovo	7925013	(C/G)
39032	CadSNP14627	<i>Desi</i>	Ca_Desig_denovo	7925016	(G/T)
39033	CadSNP14628	<i>Desi</i>	Ca_Desig_denovo	7925039	(A/G)
39034	CadSNP14629	<i>Desi</i>	Ca_Desig_denovo	7925054	(G/A)
39035	CadSNP14630	<i>Desi</i>	Ca_Desig_denovo	7925062	(A/G)
39036	CadSNP14631	<i>Desi</i>	Ca_Desig_denovo	7925065	(C/T)
39037	CadSNP14632	<i>Desi</i>	Ca_Desig_denovo	7925206	(T/A)
39038	CadSNP14633	<i>Desi</i>	Ca_Desig_denovo	7950255	(G/A)
39039	CadSNP14634	<i>Desi</i>	Ca_Desig_denovo	7952731	(C/G)
39040	CadSNP14635	<i>Desi</i>	Ca_Desig_denovo	7953194	(T/C)
39041	CadSNP14636	<i>Desi</i>	Ca_Desig_denovo	7953237	(G/T)
39042	CadSNP14637	<i>Desi</i>	Ca_Desig_denovo	7981135	(C/G)
39043	CadSNP14638	<i>Desi</i>	Ca_Desig_denovo	7995247	(T/A)
39044	CadSNP14639	<i>Desi</i>	Ca_Desig_denovo	7997456	(C/T)
39045	CadSNP14640	<i>Desi</i>	Ca_Desig_denovo	7997476	(A/T)
39046	CadSNP14641	<i>Desi</i>	Ca_Desig_denovo	7997485	(A/G)
39047	CadSNP14642	<i>Desi</i>	Ca_Desig_denovo	8007420	(C/T)
39048	CadSNP14643	<i>Desi</i>	Ca_Desig_denovo	8007453	(A/G)
39049	CadSNP14644	<i>Desi</i>	Ca_Desig_denovo	8028502	(A/C)
39050	CadSNP14645	<i>Desi</i>	Ca_Desig_denovo	8028706	(A/G)
39051	CadSNP14646	<i>Desi</i>	Ca_Desig_denovo	8028724	(C/T)
39052	CadSNP14647	<i>Desi</i>	Ca_Desig_denovo	8028748	(G/A)
39053	CadSNP14648	<i>Desi</i>	Ca_Desig_denovo	8032719	(C/T)
39054	CadSNP14649	<i>Desi</i>	Ca_Desig_denovo	8037706	(T/C)
39055	CadSNP14650	<i>Desi</i>	Ca_Desig_denovo	8039773	(G/A)
39056	CadSNP14651	<i>Desi</i>	Ca_Desig_denovo	8039796	(G/C)
39057	CadSNP14652	<i>Desi</i>	Ca_Desig_denovo	8040346	(A/C)
39058	CadSNP14653	<i>Desi</i>	Ca_Desig_denovo	8050889	(C/T)
39059	CadSNP14654	<i>Desi</i>	Ca_Desig_denovo	8050891	(G/A)
39060	CadSNP14655	<i>Desi</i>	Ca_Desig_denovo	8055435	(T/C)
39061	CadSNP14656	<i>Desi</i>	Ca_Desig_denovo	8056411	(A/G)
39062	CadSNP14657	<i>Desi</i>	Ca_Desig_denovo	8056420	(G/A)
39063	CadSNP14658	<i>Desi</i>	Ca_Desig_denovo	8060796	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39064	CadSNP14659	<i>Desi</i>	Ca_Desig_denovo	8071419	(T/C)
39065	CadSNP14660	<i>Desi</i>	Ca_Desig_denovo	8075957	(G/A)
39066	CadSNP14661	<i>Desi</i>	Ca_Desig_denovo	8085056	(C/T)
39067	CadSNP14662	<i>Desi</i>	Ca_Desig_denovo	8085134	(C/T)
39068	CadSNP14663	<i>Desi</i>	Ca_Desig_denovo	8085152	(A/G)
39069	CadSNP14664	<i>Desi</i>	Ca_Desig_denovo	8086308	(G/A)
39070	CadSNP14665	<i>Desi</i>	Ca_Desig_denovo	8111705	(G/A)
39071	CadSNP14666	<i>Desi</i>	Ca_Desig_denovo	8115086	(A/C)
39072	CadSNP14667	<i>Desi</i>	Ca_Desig_denovo	8116688	(G/A)
39073	CadSNP14668	<i>Desi</i>	Ca_Desig_denovo	8116753	(C/G)
39074	CadSNP14669	<i>Desi</i>	Ca_Desig_denovo	8135261	(G/C)
39075	CadSNP14670	<i>Desi</i>	Ca_Desig_denovo	8135267	(G/A)
39076	CadSNP14671	<i>Desi</i>	Ca_Desig_denovo	8141335	(A/C)
39077	CadSNP14672	<i>Desi</i>	Ca_Desig_denovo	8141360	(A/C)
39078	CadSNP14673	<i>Desi</i>	Ca_Desig_denovo	8157526	(T/C)
39079	CadSNP14674	<i>Desi</i>	Ca_Desig_denovo	8165347	(T/G)
39080	CadSNP14675	<i>Desi</i>	Ca_Desig_denovo	8165400	(T/C)
39081	CadSNP14676	<i>Desi</i>	Ca_Desig_denovo	8166367	(G/T)
39082	CadSNP14677	<i>Desi</i>	Ca_Desig_denovo	8168620	(C/A)
39083	CadSNP14678	<i>Desi</i>	Ca_Desig_denovo	8168855	(A/G)
39084	CadSNP14679	<i>Desi</i>	Ca_Desig_denovo	8168857	(C/T)
39085	CadSNP14680	<i>Desi</i>	Ca_Desig_denovo	8171510	(A/G)
39086	CadSNP14681	<i>Desi</i>	Ca_Desig_denovo	8171515	(C/A)
39087	CadSNP14682	<i>Desi</i>	Ca_Desig_denovo	8172781	(C/T)
39088	CadSNP14683	<i>Desi</i>	Ca_Desig_denovo	8173140	(G/C)
39089	CadSNP14684	<i>Desi</i>	Ca_Desig_denovo	8173153	(G/T)
39090	CadSNP14685	<i>Desi</i>	Ca_Desig_denovo	8174528	(G/A)
39091	CadSNP14686	<i>Desi</i>	Ca_Desig_denovo	8174578	(C/T)
39092	CadSNP14687	<i>Desi</i>	Ca_Desig_denovo	8176483	(C/A)
39093	CadSNP14688	<i>Desi</i>	Ca_Desig_denovo	8176497	(C/G)
39094	CadSNP14689	<i>Desi</i>	Ca_Desig_denovo	8176958	(A/G)
39095	CadSNP14690	<i>Desi</i>	Ca_Desig_denovo	8185604	(C/T)
39096	CadSNP14691	<i>Desi</i>	Ca_Desig_denovo	8185618	(A/G)
39097	CadSNP14692	<i>Desi</i>	Ca_Desig_denovo	8195181	(C/G)
39098	CadSNP14693	<i>Desi</i>	Ca_Desig_denovo	8195197	(T/C)
39099	CadSNP14694	<i>Desi</i>	Ca_Desig_denovo	8195230	(G/C)
39100	CadSNP14695	<i>Desi</i>	Ca_Desig_denovo	8196194	(A/G)
39101	CadSNP14696	<i>Desi</i>	Ca_Desig_denovo	8196263	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39102	CadSNP14697	<i>Desi</i>	Ca_Desig_denovo	8196319	(C/G)
39103	CadSNP14698	<i>Desi</i>	Ca_Desig_denovo	8202949	(C/T)
39104	CadSNP14699	<i>Desi</i>	Ca_Desig_denovo	8211649	(C/A)
39105	CadSNP14700	<i>Desi</i>	Ca_Desig_denovo	8211690	(C/G)
39106	CadSNP14701	<i>Desi</i>	Ca_Desig_denovo	8212216	(G/C)
39107	CadSNP14702	<i>Desi</i>	Ca_Desig_denovo	8212229	(G/C)
39108	CadSNP14703	<i>Desi</i>	Ca_Desig_denovo	8222084	(C/G)
39109	CadSNP14704	<i>Desi</i>	Ca_Desig_denovo	8222094	(G/C)
39110	CadSNP14705	<i>Desi</i>	Ca_Desig_denovo	8222885	(T/G)
39111	CadSNP14706	<i>Desi</i>	Ca_Desig_denovo	8223070	(T/G)
39112	CadSNP14707	<i>Desi</i>	Ca_Desig_denovo	8223128	(G/C)
39113	CadSNP14708	<i>Desi</i>	Ca_Desig_denovo	8231231	(T/C)
39114	CadSNP14709	<i>Desi</i>	Ca_Desig_denovo	8237123	(G/A)
39115	CadSNP14710	<i>Desi</i>	Ca_Desig_denovo	8243313	(G/T)
39116	CadSNP14711	<i>Desi</i>	Ca_Desig_denovo	8245787	(C/T)
39117	CadSNP14712	<i>Desi</i>	Ca_Desig_denovo	8247527	(G/C)
39118	CadSNP14713	<i>Desi</i>	Ca_Desig_denovo	8247531	(G/A)
39119	CadSNP14714	<i>Desi</i>	Ca_Desig_denovo	8249564	(A/G)
39120	CadSNP14715	<i>Desi</i>	Ca_Desig_denovo	8251646	(A/T)
39121	CadSNP14716	<i>Desi</i>	Ca_Desig_denovo	8258455	(G/A)
39122	CadSNP14717	<i>Desi</i>	Ca_Desig_denovo	8261761	(C/A)
39123	CadSNP14718	<i>Desi</i>	Ca_Desig_denovo	8266723	(C/A)
39124	CadSNP14719	<i>Desi</i>	Ca_Desig_denovo	8266732	(G/C)
39125	CadSNP14720	<i>Desi</i>	Ca_Desig_denovo	8266984	(C/G)
39126	CadSNP14721	<i>Desi</i>	Ca_Desig_denovo	8267017	(A/G)
39127	CadSNP14722	<i>Desi</i>	Ca_Desig_denovo	8272196	(A/G)
39128	CadSNP14723	<i>Desi</i>	Ca_Desig_denovo	8272197	(A/G)
39129	CadSNP14724	<i>Desi</i>	Ca_Desig_denovo	8274603	(T/C)
39130	CadSNP14725	<i>Desi</i>	Ca_Desig_denovo	8274993	(G/A)
39131	CadSNP14726	<i>Desi</i>	Ca_Desig_denovo	8275014	(C/G)
39132	CadSNP14727	<i>Desi</i>	Ca_Desig_denovo	8276915	(C/T)
39133	CadSNP14728	<i>Desi</i>	Ca_Desig_denovo	8286061	(T/C)
39134	CadSNP14729	<i>Desi</i>	Ca_Desig_denovo	8292741	(C/G)
39135	CadSNP14730	<i>Desi</i>	Ca_Desig_denovo	8292776	(A/C)
39136	CadSNP14731	<i>Desi</i>	Ca_Desig_denovo	8298046	(C/T)
39137	CadSNP14732	<i>Desi</i>	Ca_Desig_denovo	8298561	(T/G)
39138	CadSNP14733	<i>Desi</i>	Ca_Desig_denovo	8309580	(G/A)
39139	CadSNP14734	<i>Desi</i>	Ca_Desig_denovo	8310657	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39140	CadSNP14735	<i>Desi</i>	Ca_Desig_denovo	8310666	(G/A)
39141	CadSNP14736	<i>Desi</i>	Ca_Desig_denovo	8312819	(C/A)
39142	CadSNP14737	<i>Desi</i>	Ca_Desig_denovo	8312846	(C/G)
39143	CadSNP14738	<i>Desi</i>	Ca_Desig_denovo	8323155	(C/T)
39144	CadSNP14739	<i>Desi</i>	Ca_Desig_denovo	8323192	(T/A)
39145	CadSNP14740	<i>Desi</i>	Ca_Desig_denovo	8324569	(G/T)
39146	CadSNP14741	<i>Desi</i>	Ca_Desig_denovo	8327867	(A/C)
39147	CadSNP14742	<i>Desi</i>	Ca_Desig_denovo	8327868	(G/C)
39148	CadSNP14743	<i>Desi</i>	Ca_Desig_denovo	8327908	(T/C)
39149	CadSNP14744	<i>Desi</i>	Ca_Desig_denovo	8329463	(T/C)
39150	CadSNP14745	<i>Desi</i>	Ca_Desig_denovo	8329924	(A/G)
39151	CadSNP14746	<i>Desi</i>	Ca_Desig_denovo	8329954	(C/T)
39152	CadSNP14747	<i>Desi</i>	Ca_Desig_denovo	8333371	(A/G)
39153	CadSNP14748	<i>Desi</i>	Ca_Desig_denovo	8333374	(G/C)
39154	CadSNP14749	<i>Desi</i>	Ca_Desig_denovo	8336104	(T/G)
39155	CadSNP14750	<i>Desi</i>	Ca_Desig_denovo	8339702	(G/A)
39156	CadSNP14751	<i>Desi</i>	Ca_Desig_denovo	8341525	(T/G)
39157	CadSNP14752	<i>Desi</i>	Ca_Desig_denovo	8342737	(A/G)
39158	CadSNP14753	<i>Desi</i>	Ca_Desig_denovo	8348060	(A/G)
39159	CadSNP14754	<i>Desi</i>	Ca_Desig_denovo	8350410	(C/G)
39160	CadSNP14755	<i>Desi</i>	Ca_Desig_denovo	8351314	(G/A)
39161	CadSNP14756	<i>Desi</i>	Ca_Desig_denovo	8351368	(T/C)
39162	CadSNP14757	<i>Desi</i>	Ca_Desig_denovo	8354569	(A/G)
39163	CadSNP14758	<i>Desi</i>	Ca_Desig_denovo	8366746	(A/C)
39164	CadSNP14759	<i>Desi</i>	Ca_Desig_denovo	8375409	(A/G)
39165	CadSNP14760	<i>Desi</i>	Ca_Desig_denovo	8377178	(T/C)
39166	CadSNP14761	<i>Desi</i>	Ca_Desig_denovo	8381459	(C/A)
39167	CadSNP14762	<i>Desi</i>	Ca_Desig_denovo	8381498	(C/A)
39168	CadSNP14763	<i>Desi</i>	Ca_Desig_denovo	8382146	(T/C)
39169	CadSNP14764	<i>Desi</i>	Ca_Desig_denovo	8382179	(A/G)
39170	CadSNP14765	<i>Desi</i>	Ca_Desig_denovo	8388239	(C/T)
39171	CadSNP14766	<i>Desi</i>	Ca_Desig_denovo	8388254	(A/G)
39172	CadSNP14767	<i>Desi</i>	Ca_Desig_denovo	8392087	(C/T)
39173	CadSNP14768	<i>Desi</i>	Ca_Desig_denovo	8392113	(C/A)
39174	CadSNP14769	<i>Desi</i>	Ca_Desig_denovo	8404779	(A/G)
39175	CadSNP14770	<i>Desi</i>	Ca_Desig_denovo	8412352	(T/C)
39176	CadSNP14771	<i>Desi</i>	Ca_Desig_denovo	8412897	(C/G)
39177	CadSNP14772	<i>Desi</i>	Ca_Desig_denovo	8414029	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39178	CadSNP14773	<i>Desi</i>	Ca_Desig_denovo	8449753	(T/C)
39179	CadSNP14774	<i>Desi</i>	Ca_Desig_denovo	8451396	(T/C)
39180	CadSNP14775	<i>Desi</i>	Ca_Desig_denovo	8452515	(C/G)
39181	CadSNP14776	<i>Desi</i>	Ca_Desig_denovo	8452562	(C/G)
39182	CadSNP14777	<i>Desi</i>	Ca_Desig_denovo	8455858	(G/A)
39183	CadSNP14778	<i>Desi</i>	Ca_Desig_denovo	8455861	(G/C)
39184	CadSNP14779	<i>Desi</i>	Ca_Desig_denovo	8457077	(C/T)
39185	CadSNP14780	<i>Desi</i>	Ca_Desig_denovo	8458452	(A/G)
39186	CadSNP14781	<i>Desi</i>	Ca_Desig_denovo	8472895	(G/A)
39187	CadSNP14782	<i>Desi</i>	Ca_Desig_denovo	8475461	(A/C)
39188	CadSNP14783	<i>Desi</i>	Ca_Desig_denovo	8488757	(A/C)
39189	CadSNP14784	<i>Desi</i>	Ca_Desig_denovo	8488758	(G/A)
39190	CadSNP14785	<i>Desi</i>	Ca_Desig_denovo	8488761	(C/T)
39191	CadSNP14786	<i>Desi</i>	Ca_Desig_denovo	8488972	(T/C)
39192	CadSNP14787	<i>Desi</i>	Ca_Desig_denovo	8491101	(C/T)
39193	CadSNP14788	<i>Desi</i>	Ca_Desig_denovo	8491104	(G/C)
39194	CadSNP14789	<i>Desi</i>	Ca_Desig_denovo	8495192	(G/A)
39195	CadSNP14790	<i>Desi</i>	Ca_Desig_denovo	8495838	(G/A)
39196	CadSNP14791	<i>Desi</i>	Ca_Desig_denovo	8496665	(A/C)
39197	CadSNP14792	<i>Desi</i>	Ca_Desig_denovo	8502451	(A/G)
39198	CadSNP14793	<i>Desi</i>	Ca_Desig_denovo	8502525	(G/A)
39199	CadSNP14794	<i>Desi</i>	Ca_Desig_denovo	8504322	(G/A)
39200	CadSNP14795	<i>Desi</i>	Ca_Desig_denovo	8506012	(A/C)
39201	CadSNP14796	<i>Desi</i>	Ca_Desig_denovo	8507042	(G/A)
39202	CadSNP14797	<i>Desi</i>	Ca_Desig_denovo	8507069	(C/T)
39203	CadSNP14798	<i>Desi</i>	Ca_Desig_denovo	8518106	(G/C)
39204	CadSNP14799	<i>Desi</i>	Ca_Desig_denovo	8521203	(G/A)
39205	CadSNP14800	<i>Desi</i>	Ca_Desig_denovo	8522645	(C/T)
39206	CadSNP14801	<i>Desi</i>	Ca_Desig_denovo	8523209	(T/C)
39207	CadSNP14802	<i>Desi</i>	Ca_Desig_denovo	8524994	(C/G)
39208	CadSNP14803	<i>Desi</i>	Ca_Desig_denovo	8529243	(A/G)
39209	CadSNP14804	<i>Desi</i>	Ca_Desig_denovo	8533517	(C/A)
39210	CadSNP14805	<i>Desi</i>	Ca_Desig_denovo	8533539	(G/C)
39211	CadSNP14806	<i>Desi</i>	Ca_Desig_denovo	8537565	(G/A)
39212	CadSNP14807	<i>Desi</i>	Ca_Desig_denovo	8538394	(G/C)
39213	CadSNP14808	<i>Desi</i>	Ca_Desig_denovo	8554699	(G/C)
39214	CadSNP14809	<i>Desi</i>	Ca_Desig_denovo	8561002	(G/C)
39215	CadSNP14810	<i>Desi</i>	Ca_Desig_denovo	8579381	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39216	CadSNP14811	<i>Desi</i>	Ca_Desig_denovo	8580127	(C/T)
39217	CadSNP14812	<i>Desi</i>	Ca_Desig_denovo	8580206	(A/G)
39218	CadSNP14813	<i>Desi</i>	Ca_Desig_denovo	8581217	(G/C)
39219	CadSNP14814	<i>Desi</i>	Ca_Desig_denovo	8581270	(C/G)
39220	CadSNP14815	<i>Desi</i>	Ca_Desig_denovo	8585127	(A/T)
39221	CadSNP14816	<i>Desi</i>	Ca_Desig_denovo	8585130	(T/C)
39222	CadSNP14817	<i>Desi</i>	Ca_Desig_denovo	8585145	(G/A)
39223	CadSNP14818	<i>Desi</i>	Ca_Desig_denovo	8586610	(A/C)
39224	CadSNP14819	<i>Desi</i>	Ca_Desig_denovo	8586979	(T/C)
39225	CadSNP14820	<i>Desi</i>	Ca_Desig_denovo	8589325	(T/G)
39226	CadSNP14821	<i>Desi</i>	Ca_Desig_denovo	8589351	(A/G)
39227	CadSNP14822	<i>Desi</i>	Ca_Desig_denovo	8591014	(T/C)
39228	CadSNP14823	<i>Desi</i>	Ca_Desig_denovo	8593417	(T/C)
39229	CadSNP14824	<i>Desi</i>	Ca_Desig_denovo	8593426	(A/G)
39230	CadSNP14825	<i>Desi</i>	Ca_Desig_denovo	8594755	(A/G)
39231	CadSNP14826	<i>Desi</i>	Ca_Desig_denovo	8595917	(A/G)
39232	CadSNP14827	<i>Desi</i>	Ca_Desig_denovo	8595977	(G/A)
39233	CadSNP14828	<i>Desi</i>	Ca_Desig_denovo	8598806	(G/T)
39234	CadSNP14829	<i>Desi</i>	Ca_Desig_denovo	8598830	(C/G)
39235	CadSNP14830	<i>Desi</i>	Ca_Desig_denovo	8602896	(G/A)
39236	CadSNP14831	<i>Desi</i>	Ca_Desig_denovo	8602946	(G/A)
39237	CadSNP14832	<i>Desi</i>	Ca_Desig_denovo	8609766	(A/G)
39238	CadSNP14833	<i>Desi</i>	Ca_Desig_denovo	8609842	(G/A)
39239	CadSNP14834	<i>Desi</i>	Ca_Desig_denovo	8612852	(T/C)
39240	CadSNP14835	<i>Desi</i>	Ca_Desig_denovo	8614566	(C/G)
39241	CadSNP14836	<i>Desi</i>	Ca_Desig_denovo	8616466	(T/G)
39242	CadSNP14837	<i>Desi</i>	Ca_Desig_denovo	8616479	(C/T)
39243	CadSNP14838	<i>Desi</i>	Ca_Desig_denovo	8616926	(A/T)
39244	CadSNP14839	<i>Desi</i>	Ca_Desig_denovo	8616977	(T/A)
39245	CadSNP14840	<i>Desi</i>	Ca_Desig_denovo	8617898	(A/G)
39246	CadSNP14841	<i>Desi</i>	Ca_Desig_denovo	8617910	(A/G)
39247	CadSNP14842	<i>Desi</i>	Ca_Desig_denovo	8617916	(G/A)
39248	CadSNP14843	<i>Desi</i>	Ca_Desig_denovo	8626075	(G/T)
39249	CadSNP14844	<i>Desi</i>	Ca_Desig_denovo	8633126	(G/C)
39250	CadSNP14845	<i>Desi</i>	Ca_Desig_denovo	8639576	(C/T)
39251	CadSNP14846	<i>Desi</i>	Ca_Desig_denovo	8639590	(C/T)
39252	CadSNP14847	<i>Desi</i>	Ca_Desig_denovo	8641322	(A/G)
39253	CadSNP14848	<i>Desi</i>	Ca_Desig_denovo	8641346	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39254	CadSNP14849	<i>Desi</i>	Ca_Desig_denovo	8642103	(A/G)
39255	CadSNP14850	<i>Desi</i>	Ca_Desig_denovo	8643241	(C/T)
39256	CadSNP14851	<i>Desi</i>	Ca_Desig_denovo	8643246	(G/A)
39257	CadSNP14852	<i>Desi</i>	Ca_Desig_denovo	8652206	(C/G)
39258	CadSNP14853	<i>Desi</i>	Ca_Desig_denovo	8654498	(G/C)
39259	CadSNP14854	<i>Desi</i>	Ca_Desig_denovo	8663695	(A/C)
39260	CadSNP14855	<i>Desi</i>	Ca_Desig_denovo	8667566	(T/C)
39261	CadSNP14856	<i>Desi</i>	Ca_Desig_denovo	8667572	(C/T)
39262	CadSNP14857	<i>Desi</i>	Ca_Desig_denovo	8672244	(T/G)
39263	CadSNP14858	<i>Desi</i>	Ca_Desig_denovo	8674238	(T/C)
39264	CadSNP14859	<i>Desi</i>	Ca_Desig_denovo	8674344	(A/C)
39265	CadSNP14860	<i>Desi</i>	Ca_Desig_denovo	8675010	(G/C)
39266	CadSNP14861	<i>Desi</i>	Ca_Desig_denovo	8677179	(A/C)
39267	CadSNP14862	<i>Desi</i>	Ca_Desig_denovo	8677180	(G/A)
39268	CadSNP14863	<i>Desi</i>	Ca_Desig_denovo	8679932	(A/G)
39269	CadSNP14864	<i>Desi</i>	Ca_Desig_denovo	8688010	(G/T)
39270	CadSNP14865	<i>Desi</i>	Ca_Desig_denovo	8688544	(C/T)
39271	CadSNP14866	<i>Desi</i>	Ca_Desig_denovo	8688550	(A/G)
39272	CadSNP14867	<i>Desi</i>	Ca_Desig_denovo	8691346	(C/G)
39273	CadSNP14868	<i>Desi</i>	Ca_Desig_denovo	8691382	(C/T)
39274	CadSNP14869	<i>Desi</i>	Ca_Desig_denovo	8700739	(T/A)
39275	CadSNP14870	<i>Desi</i>	Ca_Desig_denovo	8701325	(C/T)
39276	CadSNP14871	<i>Desi</i>	Ca_Desig_denovo	8703590	(A/C)
39277	CadSNP14872	<i>Desi</i>	Ca_Desig_denovo	8703677	(T/C)
39278	CadSNP14873	<i>Desi</i>	Ca_Desig_denovo	8704160	(A/G)
39279	CadSNP14874	<i>Desi</i>	Ca_Desig_denovo	8710507	(G/T)
39280	CadSNP14875	<i>Desi</i>	Ca_Desig_denovo	8710525	(C/A)
39281	CadSNP14876	<i>Desi</i>	Ca_Desig_denovo	8721551	(G/A)
39282	CadSNP14877	<i>Desi</i>	Ca_Desig_denovo	8723152	(C/T)
39283	CadSNP14878	<i>Desi</i>	Ca_Desig_denovo	8724084	(G/C)
39284	CadSNP14879	<i>Desi</i>	Ca_Desig_denovo	8724095	(C/T)
39285	CadSNP14880	<i>Desi</i>	Ca_Desig_denovo	8728989	(C/T)
39286	CadSNP14881	<i>Desi</i>	Ca_Desig_denovo	8729025	(G/C)
39287	CadSNP14882	<i>Desi</i>	Ca_Desig_denovo	8731319	(T/C)
39288	CadSNP14883	<i>Desi</i>	Ca_Desig_denovo	8731337	(G/C)
39289	CadSNP14884	<i>Desi</i>	Ca_Desig_denovo	8732148	(A/G)
39290	CadSNP14885	<i>Desi</i>	Ca_Desig_denovo	8732181	(G/A)
39291	CadSNP14886	<i>Desi</i>	Ca_Desig_denovo	8732350	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39292	CadSNP14887	<i>Desi</i>	Ca_Desig_denovo	8732380	(A/T)
39293	CadSNP14888	<i>Desi</i>	Ca_Desig_denovo	8734305	(T/C)
39294	CadSNP14889	<i>Desi</i>	Ca_Desig_denovo	8734326	(G/T)
39295	CadSNP14890	<i>Desi</i>	Ca_Desig_denovo	8737495	(A/G)
39296	CadSNP14891	<i>Desi</i>	Ca_Desig_denovo	8737503	(T/C)
39297	CadSNP14892	<i>Desi</i>	Ca_Desig_denovo	8740149	(C/A)
39298	CadSNP14893	<i>Desi</i>	Ca_Desig_denovo	8740187	(C/G)
39299	CadSNP14894	<i>Desi</i>	Ca_Desig_denovo	8749635	(C/A)
39300	CadSNP14895	<i>Desi</i>	Ca_Desig_denovo	8756911	(C/A)
39301	CadSNP14896	<i>Desi</i>	Ca_Desig_denovo	8763418	(C/T)
39302	CadSNP14897	<i>Desi</i>	Ca_Desig_denovo	8764691	(A/T)
39303	CadSNP14898	<i>Desi</i>	Ca_Desig_denovo	8765263	(G/A)
39304	CadSNP14899	<i>Desi</i>	Ca_Desig_denovo	8765822	(C/T)
39305	CadSNP14900	<i>Desi</i>	Ca_Desig_denovo	8765845	(C/T)
39306	CadSNP14901	<i>Desi</i>	Ca_Desig_denovo	8770956	(C/T)
39307	CadSNP14902	<i>Desi</i>	Ca_Desig_denovo	8774389	(A/G)
39308	CadSNP14903	<i>Desi</i>	Ca_Desig_denovo	8774399	(T/C)
39309	CadSNP14904	<i>Desi</i>	Ca_Desig_denovo	8782717	(T/C)
39310	CadSNP14905	<i>Desi</i>	Ca_Desig_denovo	8785927	(T/A)
39311	CadSNP14906	<i>Desi</i>	Ca_Desig_denovo	8790926	(T/A)
39312	CadSNP14907	<i>Desi</i>	Ca_Desig_denovo	8790953	(A/G)
39313	CadSNP14908	<i>Desi</i>	Ca_Desig_denovo	8795675	(A/G)
39314	CadSNP14909	<i>Desi</i>	Ca_Desig_denovo	8795702	(C/G)
39315	CadSNP14910	<i>Desi</i>	Ca_Desig_denovo	8802473	(A/C)
39316	CadSNP14911	<i>Desi</i>	Ca_Desig_denovo	8802481	(T/G)
39317	CadSNP14912	<i>Desi</i>	Ca_Desig_denovo	8806552	(A/G)
39318	CadSNP14913	<i>Desi</i>	Ca_Desig_denovo	8811139	(G/C)
39319	CadSNP14914	<i>Desi</i>	Ca_Desig_denovo	8811172	(C/T)
39320	CadSNP14915	<i>Desi</i>	Ca_Desig_denovo	8813828	(G/C)
39321	CadSNP14916	<i>Desi</i>	Ca_Desig_denovo	8813850	(A/G)
39322	CadSNP14917	<i>Desi</i>	Ca_Desig_denovo	8814193	(A/G)
39323	CadSNP14918	<i>Desi</i>	Ca_Desig_denovo	8814226	(T/C)
39324	CadSNP14919	<i>Desi</i>	Ca_Desig_denovo	8815406	(A/G)
39325	CadSNP14920	<i>Desi</i>	Ca_Desig_denovo	8818021	(C/G)
39326	CadSNP14921	<i>Desi</i>	Ca_Desig_denovo	8824522	(T/C)
39327	CadSNP14922	<i>Desi</i>	Ca_Desig_denovo	8831872	(G/T)
39328	CadSNP14923	<i>Desi</i>	Ca_Desig_denovo	8836232	(C/T)
39329	CadSNP14924	<i>Desi</i>	Ca_Desig_denovo	8836284	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39330	CadSNP14925	<i>Desi</i>	Ca_Desig_denovo	8837899	(T/C)
39331	CadSNP14926	<i>Desi</i>	Ca_Desig_denovo	8838800	(C/T)
39332	CadSNP14927	<i>Desi</i>	Ca_Desig_denovo	8838810	(C/T)
39333	CadSNP14928	<i>Desi</i>	Ca_Desig_denovo	8853007	(T/C)
39334	CadSNP14929	<i>Desi</i>	Ca_Desig_denovo	8853010	(A/G)
39335	CadSNP14930	<i>Desi</i>	Ca_Desig_denovo	8862291	(T/C)
39336	CadSNP14931	<i>Desi</i>	Ca_Desig_denovo	8862300	(C/A)
39337	CadSNP14932	<i>Desi</i>	Ca_Desig_denovo	8864462	(C/T)
39338	CadSNP14933	<i>Desi</i>	Ca_Desig_denovo	8864471	(C/T)
39339	CadSNP14934	<i>Desi</i>	Ca_Desig_denovo	8864734	(T/C)
39340	CadSNP14935	<i>Desi</i>	Ca_Desig_denovo	8864742	(G/C)
39341	CadSNP14936	<i>Desi</i>	Ca_Desig_denovo	8864743	(C/T)
39342	CadSNP14937	<i>Desi</i>	Ca_Desig_denovo	8865160	(C/T)
39343	CadSNP14938	<i>Desi</i>	Ca_Desig_denovo	8866085	(C/T)
39344	CadSNP14939	<i>Desi</i>	Ca_Desig_denovo	8867692	(T/C)
39345	CadSNP14940	<i>Desi</i>	Ca_Desig_denovo	8869826	(G/A)
39346	CadSNP14941	<i>Desi</i>	Ca_Desig_denovo	8875123	(C/T)
39347	CadSNP14942	<i>Desi</i>	Ca_Desig_denovo	8882636	(A/G)
39348	CadSNP14943	<i>Desi</i>	Ca_Desig_denovo	8885181	(G/A)
39349	CadSNP14944	<i>Desi</i>	Ca_Desig_denovo	8887373	(C/G)
39350	CadSNP14945	<i>Desi</i>	Ca_Desig_denovo	8892181	(T/C)
39351	CadSNP14946	<i>Desi</i>	Ca_Desig_denovo	8895466	(C/G)
39352	CadSNP14947	<i>Desi</i>	Ca_Desig_denovo	8898379	(T/C)
39353	CadSNP14948	<i>Desi</i>	Ca_Desig_denovo	8899152	(C/A)
39354	CadSNP14949	<i>Desi</i>	Ca_Desig_denovo	8905323	(A/G)
39355	CadSNP14950	<i>Desi</i>	Ca_Desig_denovo	8910258	(C/T)
39356	CadSNP14951	<i>Desi</i>	Ca_Desig_denovo	8910589	(G/A)
39357	CadSNP14952	<i>Desi</i>	Ca_Desig_denovo	8912116	(T/C)
39358	CadSNP14953	<i>Desi</i>	Ca_Desig_denovo	8912149	(G/T)
39359	CadSNP14954	<i>Desi</i>	Ca_Desig_denovo	8913323	(A/G)
39360	CadSNP14955	<i>Desi</i>	Ca_Desig_denovo	8922577	(A/C)
39361	CadSNP14956	<i>Desi</i>	Ca_Desig_denovo	8925560	(C/G)
39362	CadSNP14957	<i>Desi</i>	Ca_Desig_denovo	8927099	(G/A)
39363	CadSNP14958	<i>Desi</i>	Ca_Desig_denovo	8935283	(C/T)
39364	CadSNP14959	<i>Desi</i>	Ca_Desig_denovo	8935334	(T/C)
39365	CadSNP14960	<i>Desi</i>	Ca_Desig_denovo	8937403	(T/C)
39366	CadSNP14961	<i>Desi</i>	Ca_Desig_denovo	8937433	(C/T)
39367	CadSNP14962	<i>Desi</i>	Ca_Desig_denovo	8943207	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39368	CadSNP14963	<i>Desi</i>	Ca_Desig_denovo	8943469	(C/T)
39369	CadSNP14964	<i>Desi</i>	Ca_Desig_denovo	8943511	(C/T)
39370	CadSNP14965	<i>Desi</i>	Ca_Desig_denovo	8945504	(C/T)
39371	CadSNP14966	<i>Desi</i>	Ca_Desig_denovo	8948763	(C/G)
39372	CadSNP14967	<i>Desi</i>	Ca_Desig_denovo	8948766	(A/G)
39373	CadSNP14968	<i>Desi</i>	Ca_Desig_denovo	8948790	(C/T)
39374	CadSNP14969	<i>Desi</i>	Ca_Desig_denovo	8953367	(G/C)
39375	CadSNP14970	<i>Desi</i>	Ca_Desig_denovo	8953381	(A/G)
39376	CadSNP14971	<i>Desi</i>	Ca_Desig_denovo	8959192	(C/A)
39377	CadSNP14972	<i>Desi</i>	Ca_Desig_denovo	8970340	(A/G)
39378	CadSNP14973	<i>Desi</i>	Ca_Desig_denovo	8970388	(A/G)
39379	CadSNP14974	<i>Desi</i>	Ca_Desig_denovo	8974110	(T/C)
39380	CadSNP14975	<i>Desi</i>	Ca_Desig_denovo	8986318	(G/A)
39381	CadSNP14976	<i>Desi</i>	Ca_Desig_denovo	8986327	(G/A)
39382	CadSNP14977	<i>Desi</i>	Ca_Desig_denovo	8994696	(C/T)
39383	CadSNP14978	<i>Desi</i>	Ca_Desig_denovo	8994702	(G/C)
39384	CadSNP14979	<i>Desi</i>	Ca_Desig_denovo	9001802	(G/A)
39385	CadSNP14980	<i>Desi</i>	Ca_Desig_denovo	9007858	(T/C)
39386	CadSNP14981	<i>Desi</i>	Ca_Desig_denovo	9017867	(G/A)
39387	CadSNP14982	<i>Desi</i>	Ca_Desig_denovo	9022596	(C/G)
39388	CadSNP14983	<i>Desi</i>	Ca_Desig_denovo	9022619	(A/G)
39389	CadSNP14984	<i>Desi</i>	Ca_Desig_denovo	9032709	(G/C)
39390	CadSNP14985	<i>Desi</i>	Ca_Desig_denovo	9034884	(C/G)
39391	CadSNP14986	<i>Desi</i>	Ca_Desig_denovo	9034888	(A/C)
39392	CadSNP14987	<i>Desi</i>	Ca_Desig_denovo	9037411	(C/T)
39393	CadSNP14988	<i>Desi</i>	Ca_Desig_denovo	9037443	(A/T)
39394	CadSNP14989	<i>Desi</i>	Ca_Desig_denovo	9043565	(C/T)
39395	CadSNP14990	<i>Desi</i>	Ca_Desig_denovo	9052800	(C/T)
39396	CadSNP14991	<i>Desi</i>	Ca_Desig_denovo	9061472	(T/C)
39397	CadSNP14992	<i>Desi</i>	Ca_Desig_denovo	9061544	(C/T)
39398	CadSNP14993	<i>Desi</i>	Ca_Desig_denovo	9062305	(A/G)
39399	CadSNP14994	<i>Desi</i>	Ca_Desig_denovo	9062363	(G/C)
39400	CadSNP14995	<i>Desi</i>	Ca_Desig_denovo	9062512	(C/T)
39401	CadSNP14996	<i>Desi</i>	Ca_Desig_denovo	9062534	(A/G)
39402	CadSNP14997	<i>Desi</i>	Ca_Desig_denovo	9078584	(A/G)
39403	CadSNP14998	<i>Desi</i>	Ca_Desig_denovo	9079271	(C/G)
39404	CadSNP14999	<i>Desi</i>	Ca_Desig_denovo	9084165	(A/G)
39405	CadSNP15000	<i>Desi</i>	Ca_Desig_denovo	9095351	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39406	CadSNP15001	<i>Desi</i>	Ca_Desig_denovo	9097001	(A/G)
39407	CadSNP15002	<i>Desi</i>	Ca_Desig_denovo	9097004	(G/A)
39408	CadSNP15003	<i>Desi</i>	Ca_Desig_denovo	9097769	(C/T)
39409	CadSNP15004	<i>Desi</i>	Ca_Desig_denovo	9097818	(A/G)
39410	CadSNP15005	<i>Desi</i>	Ca_Desig_denovo	9110148	(G/A)
39411	CadSNP15006	<i>Desi</i>	Ca_Desig_denovo	9110151	(G/C)
39412	CadSNP15007	<i>Desi</i>	Ca_Desig_denovo	9112338	(A/T)
39413	CadSNP15008	<i>Desi</i>	Ca_Desig_denovo	9114648	(G/T)
39414	CadSNP15009	<i>Desi</i>	Ca_Desig_denovo	9115615	(A/C)
39415	CadSNP15010	<i>Desi</i>	Ca_Desig_denovo	9115657	(A/G)
39416	CadSNP15011	<i>Desi</i>	Ca_Desig_denovo	9117238	(C/T)
39417	CadSNP15012	<i>Desi</i>	Ca_Desig_denovo	9124200	(A/C)
39418	CadSNP15013	<i>Desi</i>	Ca_Desig_denovo	9136615	(G/C)
39419	CadSNP15014	<i>Desi</i>	Ca_Desig_denovo	9138314	(A/G)
39420	CadSNP15015	<i>Desi</i>	Ca_Desig_denovo	9139136	(C/T)
39421	CadSNP15016	<i>Desi</i>	Ca_Desig_denovo	9149114	(C/T)
39422	CadSNP15017	<i>Desi</i>	Ca_Desig_denovo	9150610	(C/G)
39423	CadSNP15018	<i>Desi</i>	Ca_Desig_denovo	9159697	(C/T)
39424	CadSNP15019	<i>Desi</i>	Ca_Desig_denovo	9166392	(C/G)
39425	CadSNP15020	<i>Desi</i>	Ca_Desig_denovo	9166434	(T/G)
39426	CadSNP15021	<i>Desi</i>	Ca_Desig_denovo	9171305	(T/C)
39427	CadSNP15022	<i>Desi</i>	Ca_Desig_denovo	9173075	(G/T)
39428	CadSNP15023	<i>Desi</i>	Ca_Desig_denovo	9180762	(A/G)
39429	CadSNP15024	<i>Desi</i>	Ca_Desig_denovo	9181813	(C/T)
39430	CadSNP15025	<i>Desi</i>	Ca_Desig_denovo	9181826	(G/A)
39431	CadSNP15026	<i>Desi</i>	Ca_Desig_denovo	9182826	(C/T)
39432	CadSNP15027	<i>Desi</i>	Ca_Desig_denovo	9183130	(T/C)
39433	CadSNP15028	<i>Desi</i>	Ca_Desig_denovo	9183509	(G/A)
39434	CadSNP15029	<i>Desi</i>	Ca_Desig_denovo	9189059	(C/T)
39435	CadSNP15030	<i>Desi</i>	Ca_Desig_denovo	9189095	(C/T)
39436	CadSNP15031	<i>Desi</i>	Ca_Desig_denovo	9189293	(A/G)
39437	CadSNP15032	<i>Desi</i>	Ca_Desig_denovo	9189302	(A/G)
39438	CadSNP15033	<i>Desi</i>	Ca_Desig_denovo	9192261	(C/G)
39439	CadSNP15034	<i>Desi</i>	Ca_Desig_denovo	9193162	(C/G)
39440	CadSNP15035	<i>Desi</i>	Ca_Desig_denovo	9193177	(C/T)
39441	CadSNP15036	<i>Desi</i>	Ca_Desig_denovo	9193186	(C/A)
39442	CadSNP15037	<i>Desi</i>	Ca_Desig_denovo	9193340	(A/G)
39443	CadSNP15038	<i>Desi</i>	Ca_Desig_denovo	9196851	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39444	CadSNP15039	<i>Desi</i>	Ca_Desig_denovo	9202213	(C/T)
39445	CadSNP15040	<i>Desi</i>	Ca_Desig_denovo	9202249	(C/T)
39446	CadSNP15041	<i>Desi</i>	Ca_Desig_denovo	9202735	(G/A)
39447	CadSNP15042	<i>Desi</i>	Ca_Desig_denovo	9202741	(A/G)
39448	CadSNP15043	<i>Desi</i>	Ca_Desig_denovo	9203009	(G/C)
39449	CadSNP15044	<i>Desi</i>	Ca_Desig_denovo	9203059	(G/T)
39450	CadSNP15045	<i>Desi</i>	Ca_Desig_denovo	9204511	(A/C)
39451	CadSNP15046	<i>Desi</i>	Ca_Desig_denovo	9204536	(A/C)
39452	CadSNP15047	<i>Desi</i>	Ca_Desig_denovo	9214252	(T/G)
39453	CadSNP15048	<i>Desi</i>	Ca_Desig_denovo	9214592	(A/T)
39454	CadSNP15049	<i>Desi</i>	Ca_Desig_denovo	9219862	(G/C)
39455	CadSNP15050	<i>Desi</i>	Ca_Desig_denovo	9222854	(A/G)
39456	CadSNP15051	<i>Desi</i>	Ca_Desig_denovo	9223751	(C/T)
39457	CadSNP15052	<i>Desi</i>	Ca_Desig_denovo	9223814	(T/C)
39458	CadSNP15053	<i>Desi</i>	Ca_Desig_denovo	9234173	(C/T)
39459	CadSNP15054	<i>Desi</i>	Ca_Desig_denovo	9234202	(T/G)
39460	CadSNP15055	<i>Desi</i>	Ca_Desig_denovo	9242406	(T/C)
39461	CadSNP15056	<i>Desi</i>	Ca_Desig_denovo	9253448	(T/C)
39462	CadSNP15057	<i>Desi</i>	Ca_Desig_denovo	9254453	(G/C)
39463	CadSNP15058	<i>Desi</i>	Ca_Desig_denovo	9263695	(T/G)
39464	CadSNP15059	<i>Desi</i>	Ca_Desig_denovo	9263707	(C/G)
39465	CadSNP15060	<i>Desi</i>	Ca_Desig_denovo	9270479	(T/C)
39466	CadSNP15061	<i>Desi</i>	Ca_Desig_denovo	9275330	(G/A)
39467	CadSNP15062	<i>Desi</i>	Ca_Desig_denovo	9276340	(C/T)
39468	CadSNP15063	<i>Desi</i>	Ca_Desig_denovo	9279820	(C/T)
39469	CadSNP15064	<i>Desi</i>	Ca_Desig_denovo	9282367	(G/T)
39470	CadSNP15065	<i>Desi</i>	Ca_Desig_denovo	9286265	(G/A)
39471	CadSNP15066	<i>Desi</i>	Ca_Desig_denovo	9289696	(A/C)
39472	CadSNP15067	<i>Desi</i>	Ca_Desig_denovo	9291667	(T/C)
39473	CadSNP15068	<i>Desi</i>	Ca_Desig_denovo	9293338	(G/A)
39474	CadSNP15069	<i>Desi</i>	Ca_Desig_denovo	9293343	(G/A)
39475	CadSNP15070	<i>Desi</i>	Ca_Desig_denovo	9293514	(G/T)
39476	CadSNP15071	<i>Desi</i>	Ca_Desig_denovo	9293558	(C/G)
39477	CadSNP15072	<i>Desi</i>	Ca_Desig_denovo	9294480	(T/C)
39478	CadSNP15073	<i>Desi</i>	Ca_Desig_denovo	9294881	(A/G)
39479	CadSNP15074	<i>Desi</i>	Ca_Desig_denovo	9294883	(T/G)
39480	CadSNP15075	<i>Desi</i>	Ca_Desig_denovo	9301575	(C/G)
39481	CadSNP15076	<i>Desi</i>	Ca_Desig_denovo	9301581	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39482	CadSNP15077	<i>Desi</i>	Ca_Desig_denovo	9302074	(G/A)
39483	CadSNP15078	<i>Desi</i>	Ca_Desig_denovo	9314546	(G/A)
39484	CadSNP15079	<i>Desi</i>	Ca_Desig_denovo	9317002	(A/G)
39485	CadSNP15080	<i>Desi</i>	Ca_Desig_denovo	9319630	(G/A)
39486	CadSNP15081	<i>Desi</i>	Ca_Desig_denovo	9319678	(G/T)
39487	CadSNP15082	<i>Desi</i>	Ca_Desig_denovo	9321453	(G/C)
39488	CadSNP15083	<i>Desi</i>	Ca_Desig_denovo	9321872	(C/G)
39489	CadSNP15084	<i>Desi</i>	Ca_Desig_denovo	9324222	(G/A)
39490	CadSNP15085	<i>Desi</i>	Ca_Desig_denovo	9326008	(C/G)
39491	CadSNP15086	<i>Desi</i>	Ca_Desig_denovo	9327557	(G/C)
39492	CadSNP15087	<i>Desi</i>	Ca_Desig_denovo	9330717	(C/T)
39493	CadSNP15088	<i>Desi</i>	Ca_Desig_denovo	9330752	(G/C)
39494	CadSNP15089	<i>Desi</i>	Ca_Desig_denovo	9334534	(G/T)
39495	CadSNP15090	<i>Desi</i>	Ca_Desig_denovo	9338202	(T/C)
39496	CadSNP15091	<i>Desi</i>	Ca_Desig_denovo	9338570	(G/A)
39497	CadSNP15092	<i>Desi</i>	Ca_Desig_denovo	9344573	(A/G)
39498	CadSNP15093	<i>Desi</i>	Ca_Desig_denovo	9344582	(C/T)
39499	CadSNP15094	<i>Desi</i>	Ca_Desig_denovo	9345379	(T/G)
39500	CadSNP15095	<i>Desi</i>	Ca_Desig_denovo	9347080	(G/C)
39501	CadSNP15096	<i>Desi</i>	Ca_Desig_denovo	9355006	(A/G)
39502	CadSNP15097	<i>Desi</i>	Ca_Desig_denovo	9355056	(A/G)
39503	CadSNP15098	<i>Desi</i>	Ca_Desig_denovo	9364870	(C/T)
39504	CadSNP15099	<i>Desi</i>	Ca_Desig_denovo	9368180	(T/C)
39505	CadSNP15100	<i>Desi</i>	Ca_Desig_denovo	9368194	(T/C)
39506	CadSNP15101	<i>Desi</i>	Ca_Desig_denovo	9383075	(G/A)
39507	CadSNP15102	<i>Desi</i>	Ca_Desig_denovo	9383158	(C/A)
39508	CadSNP15103	<i>Desi</i>	Ca_Desig_denovo	9383203	(C/T)
39509	CadSNP15104	<i>Desi</i>	Ca_Desig_denovo	9384658	(T/C)
39510	CadSNP15105	<i>Desi</i>	Ca_Desig_denovo	9384676	(A/G)
39511	CadSNP15106	<i>Desi</i>	Ca_Desig_denovo	9391378	(G/T)
39512	CadSNP15107	<i>Desi</i>	Ca_Desig_denovo	9391383	(T/C)
39513	CadSNP15108	<i>Desi</i>	Ca_Desig_denovo	9395068	(A/G)
39514	CadSNP15109	<i>Desi</i>	Ca_Desig_denovo	9395083	(C/A)
39515	CadSNP15110	<i>Desi</i>	Ca_Desig_denovo	9401954	(A/G)
39516	CadSNP15111	<i>Desi</i>	Ca_Desig_denovo	9402987	(A/C)
39517	CadSNP15112	<i>Desi</i>	Ca_Desig_denovo	9403023	(G/A)
39518	CadSNP15113	<i>Desi</i>	Ca_Desig_denovo	9403623	(A/C)
39519	CadSNP15114	<i>Desi</i>	Ca_Desig_denovo	9404194	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39520	CadSNP15115	<i>Desi</i>	Ca_Desig_denovo	9405655	(C/A)
39521	CadSNP15116	<i>Desi</i>	Ca_Desig_denovo	9415348	(G/C)
39522	CadSNP15117	<i>Desi</i>	Ca_Desig_denovo	9415351	(C/T)
39523	CadSNP15118	<i>Desi</i>	Ca_Desig_denovo	9415784	(A/C)
39524	CadSNP15119	<i>Desi</i>	Ca_Desig_denovo	9415785	(G/A)
39525	CadSNP15120	<i>Desi</i>	Ca_Desig_denovo	9422369	(C/T)
39526	CadSNP15121	<i>Desi</i>	Ca_Desig_denovo	9430180	(C/T)
39527	CadSNP15122	<i>Desi</i>	Ca_Desig_denovo	9443885	(T/C)
39528	CadSNP15123	<i>Desi</i>	Ca_Desig_denovo	9443933	(T/C)
39529	CadSNP15124	<i>Desi</i>	Ca_Desig_denovo	9444257	(C/T)
39530	CadSNP15125	<i>Desi</i>	Ca_Desig_denovo	9444297	(A/G)
39531	CadSNP15126	<i>Desi</i>	Ca_Desig_denovo	9449555	(G/C)
39532	CadSNP15127	<i>Desi</i>	Ca_Desig_denovo	9450946	(G/A)
39533	CadSNP15128	<i>Desi</i>	Ca_Desig_denovo	9451033	(T/C)
39534	CadSNP15129	<i>Desi</i>	Ca_Desig_denovo	9456264	(C/G)
39535	CadSNP15130	<i>Desi</i>	Ca_Desig_denovo	9465088	(T/G)
39536	CadSNP15131	<i>Desi</i>	Ca_Desig_denovo	9466407	(G/A)
39537	CadSNP15132	<i>Desi</i>	Ca_Desig_denovo	9466426	(C/T)
39538	CadSNP15133	<i>Desi</i>	Ca_Desig_denovo	9466893	(G/A)
39539	CadSNP15134	<i>Desi</i>	Ca_Desig_denovo	9471620	(T/C)
39540	CadSNP15135	<i>Desi</i>	Ca_Desig_denovo	9471624	(T/C)
39541	CadSNP15136	<i>Desi</i>	Ca_Desig_denovo	9476998	(G/T)
39542	CadSNP15137	<i>Desi</i>	Ca_Desig_denovo	9477003	(A/T)
39543	CadSNP15138	<i>Desi</i>	Ca_Desig_denovo	9484858	(C/G)
39544	CadSNP15139	<i>Desi</i>	Ca_Desig_denovo	9492331	(C/T)
39545	CadSNP15140	<i>Desi</i>	Ca_Desig_denovo	9492364	(T/C)
39546	CadSNP15141	<i>Desi</i>	Ca_Desig_denovo	9493936	(G/A)
39547	CadSNP15142	<i>Desi</i>	Ca_Desig_denovo	9495173	(G/A)
39548	CadSNP15143	<i>Desi</i>	Ca_Desig_denovo	9497587	(G/T)
39549	CadSNP15144	<i>Desi</i>	Ca_Desig_denovo	9506202	(A/C)
39550	CadSNP15145	<i>Desi</i>	Ca_Desig_denovo	9506790	(T/C)
39551	CadSNP15146	<i>Desi</i>	Ca_Desig_denovo	9508499	(C/A)
39552	CadSNP15147	<i>Desi</i>	Ca_Desig_denovo	9508507	(G/A)
39553	CadSNP15148	<i>Desi</i>	Ca_Desig_denovo	9510875	(A/G)
39554	CadSNP15149	<i>Desi</i>	Ca_Desig_denovo	9513837	(A/C)
39555	CadSNP15150	<i>Desi</i>	Ca_Desig_denovo	9523597	(A/G)
39556	CadSNP15151	<i>Desi</i>	Ca_Desig_denovo	9523970	(T/C)
39557	CadSNP15152	<i>Desi</i>	Ca_Desig_denovo	9523982	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39558	CadSNP15153	<i>Desi</i>	Ca_Desig_denovo	9526228	(C/T)
39559	CadSNP15154	<i>Desi</i>	Ca_Desig_denovo	9530846	(T/C)
39560	CadSNP15155	<i>Desi</i>	Ca_Desig_denovo	9532799	(T/G)
39561	CadSNP15156	<i>Desi</i>	Ca_Desig_denovo	9532862	(C/G)
39562	CadSNP15157	<i>Desi</i>	Ca_Desig_denovo	9538619	(A/G)
39563	CadSNP15158	<i>Desi</i>	Ca_Desig_denovo	9540880	(C/G)
39564	CadSNP15159	<i>Desi</i>	Ca_Desig_denovo	9541873	(G/T)
39565	CadSNP15160	<i>Desi</i>	Ca_Desig_denovo	9541885	(A/G)
39566	CadSNP15161	<i>Desi</i>	Ca_Desig_denovo	9544423	(T/G)
39567	CadSNP15162	<i>Desi</i>	Ca_Desig_denovo	9545644	(G/C)
39568	CadSNP15163	<i>Desi</i>	Ca_Desig_denovo	9549619	(T/C)
39569	CadSNP15164	<i>Desi</i>	Ca_Desig_denovo	9550920	(G/T)
39570	CadSNP15165	<i>Desi</i>	Ca_Desig_denovo	9550964	(T/C)
39571	CadSNP15166	<i>Desi</i>	Ca_Desig_denovo	9551258	(A/G)
39572	CadSNP15167	<i>Desi</i>	Ca_Desig_denovo	9556627	(G/A)
39573	CadSNP15168	<i>Desi</i>	Ca_Desig_denovo	9556681	(G/A)
39574	CadSNP15169	<i>Desi</i>	Ca_Desig_denovo	9559072	(C/G)
39575	CadSNP15170	<i>Desi</i>	Ca_Desig_denovo	9568409	(T/C)
39576	CadSNP15171	<i>Desi</i>	Ca_Desig_denovo	9573199	(G/T)
39577	CadSNP15172	<i>Desi</i>	Ca_Desig_denovo	9573205	(G/A)
39578	CadSNP15173	<i>Desi</i>	Ca_Desig_denovo	9574171	(G/T)
39579	CadSNP15174	<i>Desi</i>	Ca_Desig_denovo	9575057	(C/G)
39580	CadSNP15175	<i>Desi</i>	Ca_Desig_denovo	9575103	(T/G)
39581	CadSNP15176	<i>Desi</i>	Ca_Desig_denovo	9575113	(C/G)
39582	CadSNP15177	<i>Desi</i>	Ca_Desig_denovo	9577431	(C/A)
39583	CadSNP15178	<i>Desi</i>	Ca_Desig_denovo	9578179	(C/G)
39584	CadSNP15179	<i>Desi</i>	Ca_Desig_denovo	9578182	(A/G)
39585	CadSNP15180	<i>Desi</i>	Ca_Desig_denovo	9578194	(C/T)
39586	CadSNP15181	<i>Desi</i>	Ca_Desig_denovo	9583243	(C/T)
39587	CadSNP15182	<i>Desi</i>	Ca_Desig_denovo	9583846	(C/T)
39588	CadSNP15183	<i>Desi</i>	Ca_Desig_denovo	9583888	(T/A)
39589	CadSNP15184	<i>Desi</i>	Ca_Desig_denovo	9584067	(G/T)
39590	CadSNP15185	<i>Desi</i>	Ca_Desig_denovo	9584110	(G/A)
39591	CadSNP15186	<i>Desi</i>	Ca_Desig_denovo	9588155	(C/T)
39592	CadSNP15187	<i>Desi</i>	Ca_Desig_denovo	9591659	(G/A)
39593	CadSNP15188	<i>Desi</i>	Ca_Desig_denovo	9591665	(G/C)
39594	CadSNP15189	<i>Desi</i>	Ca_Desig_denovo	9592741	(G/C)
39595	CadSNP15190	<i>Desi</i>	Ca_Desig_denovo	9592765	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39596	CadSNP15191	<i>Desi</i>	Ca_Desig_denovo	9596342	(T/C)
39597	CadSNP15192	<i>Desi</i>	Ca_Desig_denovo	9597145	(A/G)
39598	CadSNP15193	<i>Desi</i>	Ca_Desig_denovo	9597169	(G/C)
39599	CadSNP15194	<i>Desi</i>	Ca_Desig_denovo	9601144	(T/C)
39600	CadSNP15195	<i>Desi</i>	Ca_Desig_denovo	9601164	(A/G)
39601	CadSNP15196	<i>Desi</i>	Ca_Desig_denovo	9605785	(A/C)
39602	CadSNP15197	<i>Desi</i>	Ca_Desig_denovo	9609039	(A/G)
39603	CadSNP15198	<i>Desi</i>	Ca_Desig_denovo	9619771	(G/A)
39604	CadSNP15199	<i>Desi</i>	Ca_Desig_denovo	9619795	(C/T)
39605	CadSNP15200	<i>Desi</i>	Ca_Desig_denovo	9631185	(G/T)
39606	CadSNP15201	<i>Desi</i>	Ca_Desig_denovo	9631191	(T/C)
39607	CadSNP15202	<i>Desi</i>	Ca_Desig_denovo	9631194	(A/G)
39608	CadSNP15203	<i>Desi</i>	Ca_Desig_denovo	9632473	(G/A)
39609	CadSNP15204	<i>Desi</i>	Ca_Desig_denovo	9634443	(T/C)
39610	CadSNP15205	<i>Desi</i>	Ca_Desig_denovo	9634447	(A/G)
39611	CadSNP15206	<i>Desi</i>	Ca_Desig_denovo	9638857	(A/C)
39612	CadSNP15207	<i>Desi</i>	Ca_Desig_denovo	9638887	(G/T)
39613	CadSNP15208	<i>Desi</i>	Ca_Desig_denovo	9643010	(C/G)
39614	CadSNP15209	<i>Desi</i>	Ca_Desig_denovo	9643025	(C/G)
39615	CadSNP15210	<i>Desi</i>	Ca_Desig_denovo	9654075	(G/A)
39616	CadSNP15211	<i>Desi</i>	Ca_Desig_denovo	9654088	(G/T)
39617	CadSNP15212	<i>Desi</i>	Ca_Desig_denovo	9654386	(A/G)
39618	CadSNP15213	<i>Desi</i>	Ca_Desig_denovo	9654395	(A/G)
39619	CadSNP15214	<i>Desi</i>	Ca_Desig_denovo	9665747	(T/C)
39620	CadSNP15215	<i>Desi</i>	Ca_Desig_denovo	9666449	(T/C)
39621	CadSNP15216	<i>Desi</i>	Ca_Desig_denovo	9669877	(C/T)
39622	CadSNP15217	<i>Desi</i>	Ca_Desig_denovo	9670141	(A/C)
39623	CadSNP15218	<i>Desi</i>	Ca_Desig_denovo	9670438	(T/C)
39624	CadSNP15219	<i>Desi</i>	Ca_Desig_denovo	9670447	(T/G)
39625	CadSNP15220	<i>Desi</i>	Ca_Desig_denovo	9671856	(C/G)
39626	CadSNP15221	<i>Desi</i>	Ca_Desig_denovo	9672559	(T/G)
39627	CadSNP15222	<i>Desi</i>	Ca_Desig_denovo	9672786	(C/A)
39628	CadSNP15223	<i>Desi</i>	Ca_Desig_denovo	9676597	(A/G)
39629	CadSNP15224	<i>Desi</i>	Ca_Desig_denovo	9676642	(A/G)
39630	CadSNP15225	<i>Desi</i>	Ca_Desig_denovo	9679365	(T/C)
39631	CadSNP15226	<i>Desi</i>	Ca_Desig_denovo	9679384	(C/A)
39632	CadSNP15227	<i>Desi</i>	Ca_Desig_denovo	9689032	(T/C)
39633	CadSNP15228	<i>Desi</i>	Ca_Desig_denovo	9689035	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39634	CadSNP15229	<i>Desi</i>	Ca_Desig_denovo	9695833	(C/G)
39635	CadSNP15230	<i>Desi</i>	Ca_Desig_denovo	9695858	(C/T)
39636	CadSNP15231	<i>Desi</i>	Ca_Desig_denovo	9697627	(T/G)
39637	CadSNP15232	<i>Desi</i>	Ca_Desig_denovo	9700133	(T/C)
39638	CadSNP15233	<i>Desi</i>	Ca_Desig_denovo	9701680	(A/G)
39639	CadSNP15234	<i>Desi</i>	Ca_Desig_denovo	9701704	(C/G)
39640	CadSNP15235	<i>Desi</i>	Ca_Desig_denovo	9717672	(T/C)
39641	CadSNP15236	<i>Desi</i>	Ca_Desig_denovo	9717673	(T/C)
39642	CadSNP15237	<i>Desi</i>	Ca_Desig_denovo	9717677	(C/G)
39643	CadSNP15238	<i>Desi</i>	Ca_Desig_denovo	9724278	(T/C)
39644	CadSNP15239	<i>Desi</i>	Ca_Desig_denovo	9726446	(G/C)
39645	CadSNP15240	<i>Desi</i>	Ca_Desig_denovo	9733406	(C/T)
39646	CadSNP15241	<i>Desi</i>	Ca_Desig_denovo	9733411	(C/T)
39647	CadSNP15242	<i>Desi</i>	Ca_Desig_denovo	9739925	(T/C)
39648	CadSNP15243	<i>Desi</i>	Ca_Desig_denovo	9742413	(A/G)
39649	CadSNP15244	<i>Desi</i>	Ca_Desig_denovo	9742434	(C/T)
39650	CadSNP15245	<i>Desi</i>	Ca_Desig_denovo	9744190	(T/C)
39651	CadSNP15246	<i>Desi</i>	Ca_Desig_denovo	9746641	(G/C)
39652	CadSNP15247	<i>Desi</i>	Ca_Desig_denovo	9747259	(G/C)
39653	CadSNP15248	<i>Desi</i>	Ca_Desig_denovo	9747265	(C/T)
39654	CadSNP15249	<i>Desi</i>	Ca_Desig_denovo	9749773	(A/G)
39655	CadSNP15250	<i>Desi</i>	Ca_Desig_denovo	9749776	(C/A)
39656	CadSNP15251	<i>Desi</i>	Ca_Desig_denovo	9752515	(A/G)
39657	CadSNP15252	<i>Desi</i>	Ca_Desig_denovo	9752524	(C/T)
39658	CadSNP15253	<i>Desi</i>	Ca_Desig_denovo	9753700	(T/C)
39659	CadSNP15254	<i>Desi</i>	Ca_Desig_denovo	9758789	(T/G)
39660	CadSNP15255	<i>Desi</i>	Ca_Desig_denovo	9758834	(A/C)
39661	CadSNP15256	<i>Desi</i>	Ca_Desig_denovo	9760265	(C/T)
39662	CadSNP15257	<i>Desi</i>	Ca_Desig_denovo	9760299	(G/A)
39663	CadSNP15258	<i>Desi</i>	Ca_Desig_denovo	9764479	(C/G)
39664	CadSNP15259	<i>Desi</i>	Ca_Desig_denovo	9767860	(A/C)
39665	CadSNP15260	<i>Desi</i>	Ca_Desig_denovo	9768270	(A/C)
39666	CadSNP15261	<i>Desi</i>	Ca_Desig_denovo	9768292	(G/C)
39667	CadSNP15262	<i>Desi</i>	Ca_Desig_denovo	9772478	(C/T)
39668	CadSNP15263	<i>Desi</i>	Ca_Desig_denovo	9772487	(T/G)
39669	CadSNP15264	<i>Desi</i>	Ca_Desig_denovo	9779625	(A/G)
39670	CadSNP15265	<i>Desi</i>	Ca_Desig_denovo	9779678	(G/A)
39671	CadSNP15266	<i>Desi</i>	Ca_Desig_denovo	9784350	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39672	CadSNP15267	<i>Desi</i>	Ca_Desig_denovo	9784359	(T/C)
39673	CadSNP15268	<i>Desi</i>	Ca_Desig_denovo	9791531	(C/G)
39674	CadSNP15269	<i>Desi</i>	Ca_Desig_denovo	9791555	(T/C)
39675	CadSNP15270	<i>Desi</i>	Ca_Desig_denovo	9793191	(A/C)
39676	CadSNP15271	<i>Desi</i>	Ca_Desig_denovo	9795718	(G/T)
39677	CadSNP15272	<i>Desi</i>	Ca_Desig_denovo	9795719	(T/C)
39678	CadSNP15273	<i>Desi</i>	Ca_Desig_denovo	9796366	(A/G)
39679	CadSNP15274	<i>Desi</i>	Ca_Desig_denovo	9796855	(C/T)
39680	CadSNP15275	<i>Desi</i>	Ca_Desig_denovo	9799566	(A/G)
39681	CadSNP15276	<i>Desi</i>	Ca_Desig_denovo	9804078	(T/C)
39682	CadSNP15277	<i>Desi</i>	Ca_Desig_denovo	9804193	(G/A)
39683	CadSNP15278	<i>Desi</i>	Ca_Desig_denovo	9804202	(A/G)
39684	CadSNP15279	<i>Desi</i>	Ca_Desig_denovo	9810496	(T/C)
39685	CadSNP15280	<i>Desi</i>	Ca_Desig_denovo	9810535	(G/C)
39686	CadSNP15281	<i>Desi</i>	Ca_Desig_denovo	9822428	(G/A)
39687	CadSNP15282	<i>Desi</i>	Ca_Desig_denovo	9822468	(A/G)
39688	CadSNP15283	<i>Desi</i>	Ca_Desig_denovo	9824006	(G/A)
39689	CadSNP15284	<i>Desi</i>	Ca_Desig_denovo	9824036	(A/G)
39690	CadSNP15285	<i>Desi</i>	Ca_Desig_denovo	9825646	(A/C)
39691	CadSNP15286	<i>Desi</i>	Ca_Desig_denovo	9825670	(A/G)
39692	CadSNP15287	<i>Desi</i>	Ca_Desig_denovo	9829465	(A/C)
39693	CadSNP15288	<i>Desi</i>	Ca_Desig_denovo	9831461	(A/G)
39694	CadSNP15289	<i>Desi</i>	Ca_Desig_denovo	9831467	(T/C)
39695	CadSNP15290	<i>Desi</i>	Ca_Desig_denovo	9832643	(G/C)
39696	CadSNP15291	<i>Desi</i>	Ca_Desig_denovo	9832658	(C/T)
39697	CadSNP15292	<i>Desi</i>	Ca_Desig_denovo	9844062	(A/G)
39698	CadSNP15293	<i>Desi</i>	Ca_Desig_denovo	9847609	(C/T)
39699	CadSNP15294	<i>Desi</i>	Ca_Desig_denovo	9847678	(A/G)
39700	CadSNP15295	<i>Desi</i>	Ca_Desig_denovo	9858347	(G/A)
39701	CadSNP15296	<i>Desi</i>	Ca_Desig_denovo	9863124	(G/T)
39702	CadSNP15297	<i>Desi</i>	Ca_Desig_denovo	9866292	(A/C)
39703	CadSNP15298	<i>Desi</i>	Ca_Desig_denovo	9869459	(C/G)
39704	CadSNP15299	<i>Desi</i>	Ca_Desig_denovo	9869470	(A/C)
39705	CadSNP15300	<i>Desi</i>	Ca_Desig_denovo	9880569	(A/G)
39706	CadSNP15301	<i>Desi</i>	Ca_Desig_denovo	9880570	(G/A)
39707	CadSNP15302	<i>Desi</i>	Ca_Desig_denovo	9882657	(G/T)
39708	CadSNP15303	<i>Desi</i>	Ca_Desig_denovo	9882659	(T/C)
39709	CadSNP15304	<i>Desi</i>	Ca_Desig_denovo	9888359	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39710	CadSNP15305	<i>Desi</i>	Ca_Desig_denovo	9905438	(C/T)
39711	CadSNP15306	<i>Desi</i>	Ca_Desig_denovo	9906776	(A/G)
39712	CadSNP15307	<i>Desi</i>	Ca_Desig_denovo	9907472	(C/G)
39713	CadSNP15308	<i>Desi</i>	Ca_Desig_denovo	9912338	(T/C)
39714	CadSNP15309	<i>Desi</i>	Ca_Desig_denovo	9912392	(G/C)
39715	CadSNP15310	<i>Desi</i>	Ca_Desig_denovo	9913568	(C/T)
39716	CadSNP15311	<i>Desi</i>	Ca_Desig_denovo	9914370	(A/G)
39717	CadSNP15312	<i>Desi</i>	Ca_Desig_denovo	9916516	(C/T)
39718	CadSNP15313	<i>Desi</i>	Ca_Desig_denovo	9916573	(C/A)
39719	CadSNP15314	<i>Desi</i>	Ca_Desig_denovo	9920056	(C/T)
39720	CadSNP15315	<i>Desi</i>	Ca_Desig_denovo	9920113	(T/G)
39721	CadSNP15316	<i>Desi</i>	Ca_Desig_denovo	9925169	(G/T)
39722	CadSNP15317	<i>Desi</i>	Ca_Desig_denovo	9925185	(T/C)
39723	CadSNP15318	<i>Desi</i>	Ca_Desig_denovo	9929350	(C/T)
39724	CadSNP15319	<i>Desi</i>	Ca_Desig_denovo	9930764	(A/G)
39725	CadSNP15320	<i>Desi</i>	Ca_Desig_denovo	9936594	(T/C)
39726	CadSNP15321	<i>Desi</i>	Ca_Desig_denovo	9939126	(T/A)
39727	CadSNP15322	<i>Desi</i>	Ca_Desig_denovo	9939196	(C/T)
39728	CadSNP15323	<i>Desi</i>	Ca_Desig_denovo	9941162	(A/G)
39729	CadSNP15324	<i>Desi</i>	Ca_Desig_denovo	9941638	(G/A)
39730	CadSNP15325	<i>Desi</i>	Ca_Desig_denovo	9941668	(C/T)
39731	CadSNP15326	<i>Desi</i>	Ca_Desig_denovo	9942755	(T/C)
39732	CadSNP15327	<i>Desi</i>	Ca_Desig_denovo	9949801	(G/A)
39733	CadSNP15328	<i>Desi</i>	Ca_Desig_denovo	9962456	(G/A)
39734	CadSNP15329	<i>Desi</i>	Ca_Desig_denovo	9962477	(A/G)
39735	CadSNP15330	<i>Desi</i>	Ca_Desig_denovo	9962990	(T/C)
39736	CadSNP15331	<i>Desi</i>	Ca_Desig_denovo	9969754	(G/C)
39737	CadSNP15332	<i>Desi</i>	Ca_Desig_denovo	9969757	(C/T)
39738	CadSNP15333	<i>Desi</i>	Ca_Desig_denovo	9971191	(T/A)
39739	CadSNP15334	<i>Desi</i>	Ca_Desig_denovo	9971206	(T/C)
39740	CadSNP15335	<i>Desi</i>	Ca_Desig_denovo	9973334	(C/G)
39741	CadSNP15336	<i>Desi</i>	Ca_Desig_denovo	9973409	(G/C)
39742	CadSNP15337	<i>Desi</i>	Ca_Desig_denovo	9977989	(T/C)
39743	CadSNP15338	<i>Desi</i>	Ca_Desig_denovo	9981979	(G/A)
39744	CadSNP15339	<i>Desi</i>	Ca_Desig_denovo	9985137	(C/T)
39745	CadSNP15340	<i>Desi</i>	Ca_Desig_denovo	9985139	(C/T)
39746	CadSNP15341	<i>Desi</i>	Ca_Desig_denovo	9988836	(T/C)
39747	CadSNP15342	<i>Desi</i>	Ca_Desig_denovo	9997408	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39748	CadSNP15343	<i>Desi</i>	Ca_Desig_denovo	10007242	(T/G)
39749	CadSNP15344	<i>Desi</i>	Ca_Desig_denovo	10010080	(C/T)
39750	CadSNP15345	<i>Desi</i>	Ca_Desig_denovo	10010116	(A/C)
39751	CadSNP15346	<i>Desi</i>	Ca_Desig_denovo	10019703	(T/G)
39752	CadSNP15347	<i>Desi</i>	Ca_Desig_denovo	10029777	(G/C)
39753	CadSNP15348	<i>Desi</i>	Ca_Desig_denovo	10029839	(T/C)
39754	CadSNP15349	<i>Desi</i>	Ca_Desig_denovo	10033567	(C/T)
39755	CadSNP15350	<i>Desi</i>	Ca_Desig_denovo	10034387	(G/A)
39756	CadSNP15351	<i>Desi</i>	Ca_Desig_denovo	10041552	(G/A)
39757	CadSNP15352	<i>Desi</i>	Ca_Desig_denovo	10044067	(G/A)
39758	CadSNP15353	<i>Desi</i>	Ca_Desig_denovo	10044068	(T/A)
39759	CadSNP15354	<i>Desi</i>	Ca_Desig_denovo	10048226	(T/C)
39760	CadSNP15355	<i>Desi</i>	Ca_Desig_denovo	10048672	(G/A)
39761	CadSNP15356	<i>Desi</i>	Ca_Desig_denovo	10048738	(C/G)
39762	CadSNP15357	<i>Desi</i>	Ca_Desig_denovo	10051507	(A/G)
39763	CadSNP15358	<i>Desi</i>	Ca_Desig_denovo	10051531	(C/T)
39764	CadSNP15359	<i>Desi</i>	Ca_Desig_denovo	10054939	(G/C)
39765	CadSNP15360	<i>Desi</i>	Ca_Desig_denovo	10056683	(A/G)
39766	CadSNP15361	<i>Desi</i>	Ca_Desig_denovo	10057874	(G/A)
39767	CadSNP15362	<i>Desi</i>	Ca_Desig_denovo	10059269	(C/T)
39768	CadSNP15363	<i>Desi</i>	Ca_Desig_denovo	10059478	(A/G)
39769	CadSNP15364	<i>Desi</i>	Ca_Desig_denovo	10059528	(G/C)
39770	CadSNP15365	<i>Desi</i>	Ca_Desig_denovo	10060779	(A/G)
39771	CadSNP15366	<i>Desi</i>	Ca_Desig_denovo	10062521	(G/A)
39772	CadSNP15367	<i>Desi</i>	Ca_Desig_denovo	10062580	(T/C)
39773	CadSNP15368	<i>Desi</i>	Ca_Desig_denovo	10067482	(G/T)
39774	CadSNP15369	<i>Desi</i>	Ca_Desig_denovo	10067485	(T/C)
39775	CadSNP15370	<i>Desi</i>	Ca_Desig_denovo	10067746	(G/A)
39776	CadSNP15371	<i>Desi</i>	Ca_Desig_denovo	10070151	(T/C)
39777	CadSNP15372	<i>Desi</i>	Ca_Desig_denovo	10070331	(G/T)
39778	CadSNP15373	<i>Desi</i>	Ca_Desig_denovo	10070332	(G/T)
39779	CadSNP15374	<i>Desi</i>	Ca_Desig_denovo	10070848	(G/T)
39780	CadSNP15375	<i>Desi</i>	Ca_Desig_denovo	10071655	(T/G)
39781	CadSNP15376	<i>Desi</i>	Ca_Desig_denovo	10071680	(T/G)
39782	CadSNP15377	<i>Desi</i>	Ca_Desig_denovo	10072410	(T/C)
39783	CadSNP15378	<i>Desi</i>	Ca_Desig_denovo	10074989	(T/G)
39784	CadSNP15379	<i>Desi</i>	Ca_Desig_denovo	10078442	(T/C)
39785	CadSNP15380	<i>Desi</i>	Ca_Desig_denovo	10078499	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39786	CadSNP15381	<i>Desi</i>	Ca_Desig_denovo	10088010	(G/C)
39787	CadSNP15382	<i>Desi</i>	Ca_Desig_denovo	10088082	(A/C)
39788	CadSNP15383	<i>Desi</i>	Ca_Desig_denovo	10089474	(G/T)
39789	CadSNP15384	<i>Desi</i>	Ca_Desig_denovo	10092804	(A/G)
39790	CadSNP15385	<i>Desi</i>	Ca_Desig_denovo	10094075	(G/T)
39791	CadSNP15386	<i>Desi</i>	Ca_Desig_denovo	10096708	(A/G)
39792	CadSNP15387	<i>Desi</i>	Ca_Desig_denovo	10099474	(C/A)
39793	CadSNP15388	<i>Desi</i>	Ca_Desig_denovo	10099489	(A/G)
39794	CadSNP15389	<i>Desi</i>	Ca_Desig_denovo	10103135	(C/T)
39795	CadSNP15390	<i>Desi</i>	Ca_Desig_denovo	10116397	(A/G)
39796	CadSNP15391	<i>Desi</i>	Ca_Desig_denovo	10121136	(A/G)
39797	CadSNP15392	<i>Desi</i>	Ca_Desig_denovo	10125859	(T/C)
39798	CadSNP15393	<i>Desi</i>	Ca_Desig_denovo	10141229	(T/G)
39799	CadSNP15394	<i>Desi</i>	Ca_Desig_denovo	10141311	(G/C)
39800	CadSNP15395	<i>Desi</i>	Ca_Desig_denovo	10141312	(G/C)
39801	CadSNP15396	<i>Desi</i>	Ca_Desig_denovo	10144616	(C/G)
39802	CadSNP15397	<i>Desi</i>	Ca_Desig_denovo	10145481	(C/T)
39803	CadSNP15398	<i>Desi</i>	Ca_Desig_denovo	10145490	(T/A)
39804	CadSNP15399	<i>Desi</i>	Ca_Desig_denovo	10145590	(C/A)
39805	CadSNP15400	<i>Desi</i>	Ca_Desig_denovo	10150054	(A/G)
39806	CadSNP15401	<i>Desi</i>	Ca_Desig_denovo	10150101	(G/T)
39807	CadSNP15402	<i>Desi</i>	Ca_Desig_denovo	10163401	(T/A)
39808	CadSNP15403	<i>Desi</i>	Ca_Desig_denovo	10172361	(G/C)
39809	CadSNP15404	<i>Desi</i>	Ca_Desig_denovo	10177587	(G/C)
39810	CadSNP15405	<i>Desi</i>	Ca_Desig_denovo	10177641	(G/A)
39811	CadSNP15406	<i>Desi</i>	Ca_Desig_denovo	10178636	(G/A)
39812	CadSNP15407	<i>Desi</i>	Ca_Desig_denovo	10178663	(A/C)
39813	CadSNP15408	<i>Desi</i>	Ca_Desig_denovo	10179644	(A/G)
39814	CadSNP15409	<i>Desi</i>	Ca_Desig_denovo	10186517	(A/G)
39815	CadSNP15410	<i>Desi</i>	Ca_Desig_denovo	10186523	(A/C)
39816	CadSNP15411	<i>Desi</i>	Ca_Desig_denovo	10191198	(T/G)
39817	CadSNP15412	<i>Desi</i>	Ca_Desig_denovo	10191217	(C/A)
39818	CadSNP15413	<i>Desi</i>	Ca_Desig_denovo	10194040	(G/A)
39819	CadSNP15414	<i>Desi</i>	Ca_Desig_denovo	10195782	(A/G)
39820	CadSNP15415	<i>Desi</i>	Ca_Desig_denovo	10195860	(T/C)
39821	CadSNP15416	<i>Desi</i>	Ca_Desig_denovo	10199189	(A/C)
39822	CadSNP15417	<i>Desi</i>	Ca_Desig_denovo	10205391	(A/G)
39823	CadSNP15418	<i>Desi</i>	Ca_Desig_denovo	10209005	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39824	CadSNP15419	<i>Desi</i>	Ca_Desig_denovo	10212118	(T/C)
39825	CadSNP15420	<i>Desi</i>	Ca_Desig_denovo	10215689	(T/G)
39826	CadSNP15421	<i>Desi</i>	Ca_Desig_denovo	10215734	(C/T)
39827	CadSNP15422	<i>Desi</i>	Ca_Desig_denovo	10219734	(C/T)
39828	CadSNP15423	<i>Desi</i>	Ca_Desig_denovo	10226852	(T/G)
39829	CadSNP15424	<i>Desi</i>	Ca_Desig_denovo	10226876	(C/G)
39830	CadSNP15425	<i>Desi</i>	Ca_Desig_denovo	10229164	(A/C)
39831	CadSNP15426	<i>Desi</i>	Ca_Desig_denovo	10233124	(G/C)
39832	CadSNP15427	<i>Desi</i>	Ca_Desig_denovo	10240311	(C/T)
39833	CadSNP15428	<i>Desi</i>	Ca_Desig_denovo	10242614	(G/A)
39834	CadSNP15429	<i>Desi</i>	Ca_Desig_denovo	10242616	(T/C)
39835	CadSNP15430	<i>Desi</i>	Ca_Desig_denovo	10245170	(G/C)
39836	CadSNP15431	<i>Desi</i>	Ca_Desig_denovo	10261459	(G/T)
39837	CadSNP15432	<i>Desi</i>	Ca_Desig_denovo	10261460	(T/C)
39838	CadSNP15433	<i>Desi</i>	Ca_Desig_denovo	10264409	(A/C)
39839	CadSNP15434	<i>Desi</i>	Ca_Desig_denovo	10264411	(A/G)
39840	CadSNP15435	<i>Desi</i>	Ca_Desig_denovo	10265084	(G/C)
39841	CadSNP15436	<i>Desi</i>	Ca_Desig_denovo	10266456	(A/C)
39842	CadSNP15437	<i>Desi</i>	Ca_Desig_denovo	10266866	(T/G)
39843	CadSNP15438	<i>Desi</i>	Ca_Desig_denovo	10269763	(G/C)
39844	CadSNP15439	<i>Desi</i>	Ca_Desig_denovo	10269778	(G/A)
39845	CadSNP15440	<i>Desi</i>	Ca_Desig_denovo	10273802	(A/C)
39846	CadSNP15441	<i>Desi</i>	Ca_Desig_denovo	10275089	(A/G)
39847	CadSNP15442	<i>Desi</i>	Ca_Desig_denovo	10278278	(C/G)
39848	CadSNP15443	<i>Desi</i>	Ca_Desig_denovo	10278287	(G/T)
39849	CadSNP15444	<i>Desi</i>	Ca_Desig_denovo	10278885	(A/G)
39850	CadSNP15445	<i>Desi</i>	Ca_Desig_denovo	10286250	(G/T)
39851	CadSNP15446	<i>Desi</i>	Ca_Desig_denovo	10290605	(G/A)
39852	CadSNP15447	<i>Desi</i>	Ca_Desig_denovo	10306376	(T/C)
39853	CadSNP15448	<i>Desi</i>	Ca_Desig_denovo	10314226	(G/A)
39854	CadSNP15449	<i>Desi</i>	Ca_Desig_denovo	10315027	(T/G)
39855	CadSNP15450	<i>Desi</i>	Ca_Desig_denovo	10315037	(T/C)
39856	CadSNP15451	<i>Desi</i>	Ca_Desig_denovo	10315800	(A/G)
39857	CadSNP15452	<i>Desi</i>	Ca_Desig_denovo	10317008	(C/A)
39858	CadSNP15453	<i>Desi</i>	Ca_Desig_denovo	10317038	(G/C)
39859	CadSNP15454	<i>Desi</i>	Ca_Desig_denovo	10321984	(C/T)
39860	CadSNP15455	<i>Desi</i>	Ca_Desig_denovo	10322002	(A/G)
39861	CadSNP15456	<i>Desi</i>	Ca_Desig_denovo	10323193	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39862	CadSNP15457	<i>Desi</i>	Ca_Desig_denovo	10324846	(G/T)
39863	CadSNP15458	<i>Desi</i>	Ca_Desig_denovo	10333070	(C/T)
39864	CadSNP15459	<i>Desi</i>	Ca_Desig_denovo	10333127	(T/G)
39865	CadSNP15460	<i>Desi</i>	Ca_Desig_denovo	10334626	(G/A)
39866	CadSNP15461	<i>Desi</i>	Ca_Desig_denovo	10350931	(G/C)
39867	CadSNP15462	<i>Desi</i>	Ca_Desig_denovo	10357156	(T/C)
39868	CadSNP15463	<i>Desi</i>	Ca_Desig_denovo	10357166	(A/G)
39869	CadSNP15464	<i>Desi</i>	Ca_Desig_denovo	10366017	(G/A)
39870	CadSNP15465	<i>Desi</i>	Ca_Desig_denovo	10366040	(G/A)
39871	CadSNP15466	<i>Desi</i>	Ca_Desig_denovo	10367417	(T/G)
39872	CadSNP15467	<i>Desi</i>	Ca_Desig_denovo	10367420	(T/A)
39873	CadSNP15468	<i>Desi</i>	Ca_Desig_denovo	10367521	(C/T)
39874	CadSNP15469	<i>Desi</i>	Ca_Desig_denovo	10375027	(C/G)
39875	CadSNP15470	<i>Desi</i>	Ca_Desig_denovo	10375081	(C/A)
39876	CadSNP15471	<i>Desi</i>	Ca_Desig_denovo	10379554	(G/T)
39877	CadSNP15472	<i>Desi</i>	Ca_Desig_denovo	10382743	(G/C)
39878	CadSNP15473	<i>Desi</i>	Ca_Desig_denovo	10382753	(G/A)
39879	CadSNP15474	<i>Desi</i>	Ca_Desig_denovo	10394356	(C/T)
39880	CadSNP15475	<i>Desi</i>	Ca_Desig_denovo	10395644	(T/C)
39881	CadSNP15476	<i>Desi</i>	Ca_Desig_denovo	10401346	(A/G)
39882	CadSNP15477	<i>Desi</i>	Ca_Desig_denovo	10403930	(T/C)
39883	CadSNP15478	<i>Desi</i>	Ca_Desig_denovo	10403939	(A/G)
39884	CadSNP15479	<i>Desi</i>	Ca_Desig_denovo	10412500	(G/A)
39885	CadSNP15480	<i>Desi</i>	Ca_Desig_denovo	10412554	(T/C)
39886	CadSNP15481	<i>Desi</i>	Ca_Desig_denovo	10414714	(T/C)
39887	CadSNP15482	<i>Desi</i>	Ca_Desig_denovo	10423562	(C/G)
39888	CadSNP15483	<i>Desi</i>	Ca_Desig_denovo	10423588	(C/G)
39889	CadSNP15484	<i>Desi</i>	Ca_Desig_denovo	10423595	(G/A)
39890	CadSNP15485	<i>Desi</i>	Ca_Desig_denovo	10436722	(T/C)
39891	CadSNP15486	<i>Desi</i>	Ca_Desig_denovo	10437508	(C/T)
39892	CadSNP15487	<i>Desi</i>	Ca_Desig_denovo	10437550	(C/G)
39893	CadSNP15488	<i>Desi</i>	Ca_Desig_denovo	10448001	(C/G)
39894	CadSNP15489	<i>Desi</i>	Ca_Desig_denovo	10448187	(C/G)
39895	CadSNP15490	<i>Desi</i>	Ca_Desig_denovo	10448214	(T/C)
39896	CadSNP15491	<i>Desi</i>	Ca_Desig_denovo	10467033	(G/A)
39897	CadSNP15492	<i>Desi</i>	Ca_Desig_denovo	10467069	(C/T)
39898	CadSNP15493	<i>Desi</i>	Ca_Desig_denovo	10467105	(C/T)
39899	CadSNP15494	<i>Desi</i>	Ca_Desig_denovo	10468318	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39900	CadSNP15495	<i>Desi</i>	Ca_Desig_denovo	10468321	(A/G)
39901	CadSNP15496	<i>Desi</i>	Ca_Desig_denovo	10478722	(C/T)
39902	CadSNP15497	<i>Desi</i>	Ca_Desig_denovo	10478729	(G/T)
39903	CadSNP15498	<i>Desi</i>	Ca_Desig_denovo	10479188	(A/T)
39904	CadSNP15499	<i>Desi</i>	Ca_Desig_denovo	10483536	(T/G)
39905	CadSNP15500	<i>Desi</i>	Ca_Desig_denovo	10483542	(G/T)
39906	CadSNP15501	<i>Desi</i>	Ca_Desig_denovo	10486559	(C/A)
39907	CadSNP15502	<i>Desi</i>	Ca_Desig_denovo	10496292	(T/C)
39908	CadSNP15503	<i>Desi</i>	Ca_Desig_denovo	10496313	(G/A)
39909	CadSNP15504	<i>Desi</i>	Ca_Desig_denovo	10501184	(C/G)
39910	CadSNP15505	<i>Desi</i>	Ca_Desig_denovo	10501186	(T/G)
39911	CadSNP15506	<i>Desi</i>	Ca_Desig_denovo	10505390	(G/A)
39912	CadSNP15507	<i>Desi</i>	Ca_Desig_denovo	10506856	(T/G)
39913	CadSNP15508	<i>Desi</i>	Ca_Desig_denovo	10511720	(G/A)
39914	CadSNP15509	<i>Desi</i>	Ca_Desig_denovo	10513740	(T/G)
39915	CadSNP15510	<i>Desi</i>	Ca_Desig_denovo	10517734	(C/T)
39916	CadSNP15511	<i>Desi</i>	Ca_Desig_denovo	10517740	(C/G)
39917	CadSNP15512	<i>Desi</i>	Ca_Desig_denovo	10518995	(C/T)
39918	CadSNP15513	<i>Desi</i>	Ca_Desig_denovo	10519086	(T/C)
39919	CadSNP15514	<i>Desi</i>	Ca_Desig_denovo	10519113	(G/A)
39920	CadSNP15515	<i>Desi</i>	Ca_Desig_denovo	10530017	(A/C)
39921	CadSNP15516	<i>Desi</i>	Ca_Desig_denovo	10530637	(C/T)
39922	CadSNP15517	<i>Desi</i>	Ca_Desig_denovo	10530658	(T/C)
39923	CadSNP15518	<i>Desi</i>	Ca_Desig_denovo	10533404	(T/C)
39924	CadSNP15519	<i>Desi</i>	Ca_Desig_denovo	10533704	(T/C)
39925	CadSNP15520	<i>Desi</i>	Ca_Desig_denovo	10535026	(A/G)
39926	CadSNP15521	<i>Desi</i>	Ca_Desig_denovo	10535048	(T/A)
39927	CadSNP15522	<i>Desi</i>	Ca_Desig_denovo	10535105	(A/T)
39928	CadSNP15523	<i>Desi</i>	Ca_Desig_denovo	10542888	(T/C)
39929	CadSNP15524	<i>Desi</i>	Ca_Desig_denovo	10543248	(A/G)
39930	CadSNP15525	<i>Desi</i>	Ca_Desig_denovo	10543867	(G/T)
39931	CadSNP15526	<i>Desi</i>	Ca_Desig_denovo	10545557	(T/C)
39932	CadSNP15527	<i>Desi</i>	Ca_Desig_denovo	10554780	(G/A)
39933	CadSNP15528	<i>Desi</i>	Ca_Desig_denovo	10555811	(A/G)
39934	CadSNP15529	<i>Desi</i>	Ca_Desig_denovo	10560122	(A/T)
39935	CadSNP15530	<i>Desi</i>	Ca_Desig_denovo	10560138	(C/G)
39936	CadSNP15531	<i>Desi</i>	Ca_Desig_denovo	10560199	(T/C)
39937	CadSNP15532	<i>Desi</i>	Ca_Desig_denovo	10564999	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39938	CadSNP15533	<i>Desi</i>	Ca_Desig_denovo	10583340	(G/C)
39939	CadSNP15534	<i>Desi</i>	Ca_Desig_denovo	10583396	(G/A)
39940	CadSNP15535	<i>Desi</i>	Ca_Desig_denovo	10594753	(C/G)
39941	CadSNP15536	<i>Desi</i>	Ca_Desig_denovo	10594756	(T/C)
39942	CadSNP15537	<i>Desi</i>	Ca_Desig_denovo	10596302	(A/C)
39943	CadSNP15538	<i>Desi</i>	Ca_Desig_denovo	10603975	(C/T)
39944	CadSNP15539	<i>Desi</i>	Ca_Desig_denovo	10608280	(C/G)
39945	CadSNP15540	<i>Desi</i>	Ca_Desig_denovo	10611593	(G/A)
39946	CadSNP15541	<i>Desi</i>	Ca_Desig_denovo	10611825	(A/G)
39947	CadSNP15542	<i>Desi</i>	Ca_Desig_denovo	10611826	(T/C)
39948	CadSNP15543	<i>Desi</i>	Ca_Desig_denovo	10617038	(T/G)
39949	CadSNP15544	<i>Desi</i>	Ca_Desig_denovo	10617039	(C/A)
39950	CadSNP15545	<i>Desi</i>	Ca_Desig_denovo	10622416	(G/T)
39951	CadSNP15546	<i>Desi</i>	Ca_Desig_denovo	10627660	(C/T)
39952	CadSNP15547	<i>Desi</i>	Ca_Desig_denovo	10631990	(C/T)
39953	CadSNP15548	<i>Desi</i>	Ca_Desig_denovo	10632932	(C/G)
39954	CadSNP15549	<i>Desi</i>	Ca_Desig_denovo	10632947	(C/T)
39955	CadSNP15550	<i>Desi</i>	Ca_Desig_denovo	10641123	(C/T)
39956	CadSNP15551	<i>Desi</i>	Ca_Desig_denovo	10641393	(C/G)
39957	CadSNP15552	<i>Desi</i>	Ca_Desig_denovo	10641396	(T/C)
39958	CadSNP15553	<i>Desi</i>	Ca_Desig_denovo	10648872	(A/C)
39959	CadSNP15554	<i>Desi</i>	Ca_Desig_denovo	10648873	(G/A)
39960	CadSNP15555	<i>Desi</i>	Ca_Desig_denovo	10651462	(G/A)
39961	CadSNP15556	<i>Desi</i>	Ca_Desig_denovo	10651705	(G/T)
39962	CadSNP15557	<i>Desi</i>	Ca_Desig_denovo	10654654	(T/G)
39963	CadSNP15558	<i>Desi</i>	Ca_Desig_denovo	10654655	(C/T)
39964	CadSNP15559	<i>Desi</i>	Ca_Desig_denovo	10669127	(G/A)
39965	CadSNP15560	<i>Desi</i>	Ca_Desig_denovo	10678151	(T/C)
39966	CadSNP15561	<i>Desi</i>	Ca_Desig_denovo	10685389	(A/G)
39967	CadSNP15562	<i>Desi</i>	Ca_Desig_denovo	10685416	(C/G)
39968	CadSNP15563	<i>Desi</i>	Ca_Desig_denovo	10686556	(T/C)
39969	CadSNP15564	<i>Desi</i>	Ca_Desig_denovo	10686650	(A/G)
39970	CadSNP15565	<i>Desi</i>	Ca_Desig_denovo	10686655	(T/C)
39971	CadSNP15566	<i>Desi</i>	Ca_Desig_denovo	10686822	(C/T)
39972	CadSNP15567	<i>Desi</i>	Ca_Desig_denovo	10689478	(G/A)
39973	CadSNP15568	<i>Desi</i>	Ca_Desig_denovo	10690829	(C/T)
39974	CadSNP15569	<i>Desi</i>	Ca_Desig_denovo	10690858	(T/G)
39975	CadSNP15570	<i>Desi</i>	Ca_Desig_denovo	10691388	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
39976	CadSNP15571	<i>Desi</i>	Ca_Desig_denovo	10691419	(C/A)
39977	CadSNP15572	<i>Desi</i>	Ca_Desig_denovo	10693357	(C/T)
39978	CadSNP15573	<i>Desi</i>	Ca_Desig_denovo	10693387	(T/C)
39979	CadSNP15574	<i>Desi</i>	Ca_Desig_denovo	10693852	(A/G)
39980	CadSNP15575	<i>Desi</i>	Ca_Desig_denovo	10716232	(C/G)
39981	CadSNP15576	<i>Desi</i>	Ca_Desig_denovo	10720863	(G/C)
39982	CadSNP15577	<i>Desi</i>	Ca_Desig_denovo	10720873	(T/C)
39983	CadSNP15578	<i>Desi</i>	Ca_Desig_denovo	10721069	(G/A)
39984	CadSNP15579	<i>Desi</i>	Ca_Desig_denovo	10721525	(A/G)
39985	CadSNP15580	<i>Desi</i>	Ca_Desig_denovo	10731019	(G/A)
39986	CadSNP15581	<i>Desi</i>	Ca_Desig_denovo	10731025	(A/G)
39987	CadSNP15582	<i>Desi</i>	Ca_Desig_denovo	10740100	(A/G)
39988	CadSNP15583	<i>Desi</i>	Ca_Desig_denovo	10741977	(C/T)
39989	CadSNP15584	<i>Desi</i>	Ca_Desig_denovo	10741997	(A/G)
39990	CadSNP15585	<i>Desi</i>	Ca_Desig_denovo	10744112	(C/T)
39991	CadSNP15586	<i>Desi</i>	Ca_Desig_denovo	10744113	(T/C)
39992	CadSNP15587	<i>Desi</i>	Ca_Desig_denovo	10745216	(T/G)
39993	CadSNP15588	<i>Desi</i>	Ca_Desig_denovo	10745722	(C/T)
39994	CadSNP15589	<i>Desi</i>	Ca_Desig_denovo	10747276	(A/C)
39995	CadSNP15590	<i>Desi</i>	Ca_Desig_denovo	10752592	(C/T)
39996	CadSNP15591	<i>Desi</i>	Ca_Desig_denovo	10752604	(G/A)
39997	CadSNP15592	<i>Desi</i>	Ca_Desig_denovo	10764087	(A/G)
39998	CadSNP15593	<i>Desi</i>	Ca_Desig_denovo	10766260	(C/T)
39999	CadSNP15594	<i>Desi</i>	Ca_Desig_denovo	10768456	(C/A)
40000	CadSNP15595	<i>Desi</i>	Ca_Desig_denovo	10768467	(A/C)
40001	CadSNP15596	<i>Desi</i>	Ca_Desig_denovo	10768468	(G/C)
40002	CadSNP15597	<i>Desi</i>	Ca_Desig_denovo	10773207	(T/G)
40003	CadSNP15598	<i>Desi</i>	Ca_Desig_denovo	10774160	(C/T)
40004	CadSNP15599	<i>Desi</i>	Ca_Desig_denovo	10775704	(C/A)
40005	CadSNP15600	<i>Desi</i>	Ca_Desig_denovo	10784384	(T/C)
40006	CadSNP15601	<i>Desi</i>	Ca_Desig_denovo	10784767	(T/G)
40007	CadSNP15602	<i>Desi</i>	Ca_Desig_denovo	10790071	(T/C)
40008	CadSNP15603	<i>Desi</i>	Ca_Desig_denovo	10790080	(C/T)
40009	CadSNP15604	<i>Desi</i>	Ca_Desig_denovo	10790435	(C/T)
40010	CadSNP15605	<i>Desi</i>	Ca_Desig_denovo	10790511	(T/C)
40011	CadSNP15606	<i>Desi</i>	Ca_Desig_denovo	10793633	(A/G)
40012	CadSNP15607	<i>Desi</i>	Ca_Desig_denovo	10800870	(G/T)
40013	CadSNP15608	<i>Desi</i>	Ca_Desig_denovo	10800888	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40014	CadSNP15609	<i>Desi</i>	Ca_Desig_denovo	10803002	(C/A)
40015	CadSNP15610	<i>Desi</i>	Ca_Desig_denovo	10804202	(C/T)
40016	CadSNP15611	<i>Desi</i>	Ca_Desig_denovo	10804226	(G/C)
40017	CadSNP15612	<i>Desi</i>	Ca_Desig_denovo	10809154	(C/T)
40018	CadSNP15613	<i>Desi</i>	Ca_Desig_denovo	10809166	(T/G)
40019	CadSNP15614	<i>Desi</i>	Ca_Desig_denovo	10816777	(A/G)
40020	CadSNP15615	<i>Desi</i>	Ca_Desig_denovo	10816813	(C/G)
40021	CadSNP15616	<i>Desi</i>	Ca_Desig_denovo	10817039	(G/C)
40022	CadSNP15617	<i>Desi</i>	Ca_Desig_denovo	10817058	(G/A)
40023	CadSNP15618	<i>Desi</i>	Ca_Desig_denovo	10818860	(A/G)
40024	CadSNP15619	<i>Desi</i>	Ca_Desig_denovo	10820395	(T/G)
40025	CadSNP15620	<i>Desi</i>	Ca_Desig_denovo	10825620	(G/A)
40026	CadSNP15621	<i>Desi</i>	Ca_Desig_denovo	10825646	(G/T)
40027	CadSNP15622	<i>Desi</i>	Ca_Desig_denovo	10827227	(T/C)
40028	CadSNP15623	<i>Desi</i>	Ca_Desig_denovo	10827229	(G/A)
40029	CadSNP15624	<i>Desi</i>	Ca_Desig_denovo	10827968	(C/G)
40030	CadSNP15625	<i>Desi</i>	Ca_Desig_denovo	10836421	(G/C)
40031	CadSNP15626	<i>Desi</i>	Ca_Desig_denovo	10842772	(C/T)
40032	CadSNP15627	<i>Desi</i>	Ca_Desig_denovo	10844560	(G/A)
40033	CadSNP15628	<i>Desi</i>	Ca_Desig_denovo	10844635	(A/G)
40034	CadSNP15629	<i>Desi</i>	Ca_Desig_denovo	10848979	(G/A)
40035	CadSNP15630	<i>Desi</i>	Ca_Desig_denovo	10852709	(G/C)
40036	CadSNP15631	<i>Desi</i>	Ca_Desig_denovo	10869954	(G/A)
40037	CadSNP15632	<i>Desi</i>	Ca_Desig_denovo	10869972	(G/A)
40038	CadSNP15633	<i>Desi</i>	Ca_Desig_denovo	10875514	(A/C)
40039	CadSNP15634	<i>Desi</i>	Ca_Desig_denovo	10876771	(T/A)
40040	CadSNP15635	<i>Desi</i>	Ca_Desig_denovo	10877125	(G/C)
40041	CadSNP15636	<i>Desi</i>	Ca_Desig_denovo	10877970	(C/T)
40042	CadSNP15637	<i>Desi</i>	Ca_Desig_denovo	10879354	(A/G)
40043	CadSNP15638	<i>Desi</i>	Ca_Desig_denovo	10879398	(G/A)
40044	CadSNP15639	<i>Desi</i>	Ca_Desig_denovo	10881014	(A/G)
40045	CadSNP15640	<i>Desi</i>	Ca_Desig_denovo	10881035	(G/A)
40046	CadSNP15641	<i>Desi</i>	Ca_Desig_denovo	10884391	(G/A)
40047	CadSNP15642	<i>Desi</i>	Ca_Desig_denovo	10890403	(A/G)
40048	CadSNP15643	<i>Desi</i>	Ca_Desig_denovo	10905255	(G/A)
40049	CadSNP15644	<i>Desi</i>	Ca_Desig_denovo	10905374	(C/G)
40050	CadSNP15645	<i>Desi</i>	Ca_Desig_denovo	10905431	(G/A)
40051	CadSNP15646	<i>Desi</i>	Ca_Desig_denovo	10911236	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40052	CadSNP15647	<i>Desi</i>	Ca_Desig_denovo	10912304	(T/C)
40053	CadSNP15648	<i>Desi</i>	Ca_Desig_denovo	10912397	(G/T)
40054	CadSNP15649	<i>Desi</i>	Ca_Desig_denovo	10914288	(T/G)
40055	CadSNP15650	<i>Desi</i>	Ca_Desig_denovo	10914631	(A/G)
40056	CadSNP15651	<i>Desi</i>	Ca_Desig_denovo	10915619	(C/T)
40057	CadSNP15652	<i>Desi</i>	Ca_Desig_denovo	10915625	(A/G)
40058	CadSNP15653	<i>Desi</i>	Ca_Desig_denovo	10917585	(A/G)
40059	CadSNP15654	<i>Desi</i>	Ca_Desig_denovo	10918771	(A/T)
40060	CadSNP15655	<i>Desi</i>	Ca_Desig_denovo	10923159	(C/A)
40061	CadSNP15656	<i>Desi</i>	Ca_Desig_denovo	10925749	(A/G)
40062	CadSNP15657	<i>Desi</i>	Ca_Desig_denovo	10925965	(A/C)
40063	CadSNP15658	<i>Desi</i>	Ca_Desig_denovo	10934873	(A/G)
40064	CadSNP15659	<i>Desi</i>	Ca_Desig_denovo	10934900	(C/A)
40065	CadSNP15660	<i>Desi</i>	Ca_Desig_denovo	10940309	(G/A)
40066	CadSNP15661	<i>Desi</i>	Ca_Desig_denovo	10941621	(C/T)
40067	CadSNP15662	<i>Desi</i>	Ca_Desig_denovo	10944323	(A/T)
40068	CadSNP15663	<i>Desi</i>	Ca_Desig_denovo	10944667	(T/C)
40069	CadSNP15664	<i>Desi</i>	Ca_Desig_denovo	10944865	(A/T)
40070	CadSNP15665	<i>Desi</i>	Ca_Desig_denovo	10945177	(C/A)
40071	CadSNP15666	<i>Desi</i>	Ca_Desig_denovo	10945246	(C/G)
40072	CadSNP15667	<i>Desi</i>	Ca_Desig_denovo	10945313	(A/G)
40073	CadSNP15668	<i>Desi</i>	Ca_Desig_denovo	10945352	(C/T)
40074	CadSNP15669	<i>Desi</i>	Ca_Desig_denovo	10947713	(G/C)
40075	CadSNP15670	<i>Desi</i>	Ca_Desig_denovo	10951500	(C/G)
40076	CadSNP15671	<i>Desi</i>	Ca_Desig_denovo	10951527	(C/T)
40077	CadSNP15672	<i>Desi</i>	Ca_Desig_denovo	10958759	(C/G)
40078	CadSNP15673	<i>Desi</i>	Ca_Desig_denovo	10958768	(G/T)
40079	CadSNP15674	<i>Desi</i>	Ca_Desig_denovo	10961173	(G/C)
40080	CadSNP15675	<i>Desi</i>	Ca_Desig_denovo	10961244	(A/G)
40081	CadSNP15676	<i>Desi</i>	Ca_Desig_denovo	10964247	(T/C)
40082	CadSNP15677	<i>Desi</i>	Ca_Desig_denovo	10964250	(A/G)
40083	CadSNP15678	<i>Desi</i>	Ca_Desig_denovo	10964707	(A/G)
40084	CadSNP15679	<i>Desi</i>	Ca_Desig_denovo	10966173	(A/G)
40085	CadSNP15680	<i>Desi</i>	Ca_Desig_denovo	10967510	(A/G)
40086	CadSNP15681	<i>Desi</i>	Ca_Desig_denovo	10967582	(C/G)
40087	CadSNP15682	<i>Desi</i>	Ca_Desig_denovo	10970764	(A/G)
40088	CadSNP15683	<i>Desi</i>	Ca_Desig_denovo	10970770	(C/G)
40089	CadSNP15684	<i>Desi</i>	Ca_Desig_denovo	10991314	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40090	CadSNP15685	<i>Desi</i>	Ca_Desig_denovo	10991338	(T/C)
40091	CadSNP15686	<i>Desi</i>	Ca_Desig_denovo	11002604	(G/A)
40092	CadSNP15687	<i>Desi</i>	Ca_Desig_denovo	11003179	(C/T)
40093	CadSNP15688	<i>Desi</i>	Ca_Desig_denovo	11010775	(A/C)
40094	CadSNP15689	<i>Desi</i>	Ca_Desig_denovo	11010780	(G/A)
40095	CadSNP15690	<i>Desi</i>	Ca_Desig_denovo	11015701	(A/C)
40096	CadSNP15691	<i>Desi</i>	Ca_Desig_denovo	11015756	(A/G)
40097	CadSNP15692	<i>Desi</i>	Ca_Desig_denovo	11016732	(C/G)
40098	CadSNP15693	<i>Desi</i>	Ca_Desig_denovo	11022984	(G/C)
40099	CadSNP15694	<i>Desi</i>	Ca_Desig_denovo	11022988	(A/G)
40100	CadSNP15695	<i>Desi</i>	Ca_Desig_denovo	11022989	(A/G)
40101	CadSNP15696	<i>Desi</i>	Ca_Desig_denovo	11023117	(A/G)
40102	CadSNP15697	<i>Desi</i>	Ca_Desig_denovo	11023475	(T/C)
40103	CadSNP15698	<i>Desi</i>	Ca_Desig_denovo	11024438	(G/T)
40104	CadSNP15699	<i>Desi</i>	Ca_Desig_denovo	11025076	(T/G)
40105	CadSNP15700	<i>Desi</i>	Ca_Desig_denovo	11025146	(C/G)
40106	CadSNP15701	<i>Desi</i>	Ca_Desig_denovo	11034686	(A/G)
40107	CadSNP15702	<i>Desi</i>	Ca_Desig_denovo	11034700	(A/G)
40108	CadSNP15703	<i>Desi</i>	Ca_Desig_denovo	11034954	(C/A)
40109	CadSNP15704	<i>Desi</i>	Ca_Desig_denovo	11034978	(A/G)
40110	CadSNP15705	<i>Desi</i>	Ca_Desig_denovo	11035006	(C/T)
40111	CadSNP15706	<i>Desi</i>	Ca_Desig_denovo	11036710	(C/G)
40112	CadSNP15707	<i>Desi</i>	Ca_Desig_denovo	11036769	(T/G)
40113	CadSNP15708	<i>Desi</i>	Ca_Desig_denovo	11049487	(C/T)
40114	CadSNP15709	<i>Desi</i>	Ca_Desig_denovo	11049505	(G/T)
40115	CadSNP15710	<i>Desi</i>	Ca_Desig_denovo	11049529	(C/G)
40116	CadSNP15711	<i>Desi</i>	Ca_Desig_denovo	11049712	(G/A)
40117	CadSNP15712	<i>Desi</i>	Ca_Desig_denovo	11056972	(T/C)
40118	CadSNP15713	<i>Desi</i>	Ca_Desig_denovo	11059868	(C/A)
40119	CadSNP15714	<i>Desi</i>	Ca_Desig_denovo	11065456	(G/T)
40120	CadSNP15715	<i>Desi</i>	Ca_Desig_denovo	11066548	(C/G)
40121	CadSNP15716	<i>Desi</i>	Ca_Desig_denovo	11066575	(A/G)
40122	CadSNP15717	<i>Desi</i>	Ca_Desig_denovo	11068429	(C/T)
40123	CadSNP15718	<i>Desi</i>	Ca_Desig_denovo	11071390	(C/T)
40124	CadSNP15719	<i>Desi</i>	Ca_Desig_denovo	11071398	(A/G)
40125	CadSNP15720	<i>Desi</i>	Ca_Desig_denovo	11075104	(A/G)
40126	CadSNP15721	<i>Desi</i>	Ca_Desig_denovo	11078192	(G/A)
40127	CadSNP15722	<i>Desi</i>	Ca_Desig_denovo	11083520	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40128	CadSNP15723	<i>Desi</i>	Ca_Desig_denovo	11090112	(A/G)
40129	CadSNP15724	<i>Desi</i>	Ca_Desig_denovo	11090113	(A/G)
40130	CadSNP15725	<i>Desi</i>	Ca_Desig_denovo	11095536	(C/G)
40131	CadSNP15726	<i>Desi</i>	Ca_Desig_denovo	11099203	(G/A)
40132	CadSNP15727	<i>Desi</i>	Ca_Desig_denovo	11099265	(C/A)
40133	CadSNP15728	<i>Desi</i>	Ca_Desig_denovo	11103317	(A/G)
40134	CadSNP15729	<i>Desi</i>	Ca_Desig_denovo	11105401	(C/T)
40135	CadSNP15730	<i>Desi</i>	Ca_Desig_denovo	11108691	(A/G)
40136	CadSNP15731	<i>Desi</i>	Ca_Desig_denovo	11112463	(G/A)
40137	CadSNP15732	<i>Desi</i>	Ca_Desig_denovo	11114935	(T/G)
40138	CadSNP15733	<i>Desi</i>	Ca_Desig_denovo	11114974	(A/G)
40139	CadSNP15734	<i>Desi</i>	Ca_Desig_denovo	11118812	(A/G)
40140	CadSNP15735	<i>Desi</i>	Ca_Desig_denovo	11118828	(A/C)
40141	CadSNP15736	<i>Desi</i>	Ca_Desig_denovo	11135175	(A/C)
40142	CadSNP15737	<i>Desi</i>	Ca_Desig_denovo	11149170	(T/C)
40143	CadSNP15738	<i>Desi</i>	Ca_Desig_denovo	11153694	(C/T)
40144	CadSNP15739	<i>Desi</i>	Ca_Desig_denovo	11154562	(T/C)
40145	CadSNP15740	<i>Desi</i>	Ca_Desig_denovo	11156396	(T/C)
40146	CadSNP15741	<i>Desi</i>	Ca_Desig_denovo	11156430	(C/T)
40147	CadSNP15742	<i>Desi</i>	Ca_Desig_denovo	11162165	(G/C)
40148	CadSNP15743	<i>Desi</i>	Ca_Desig_denovo	11162216	(A/G)
40149	CadSNP15744	<i>Desi</i>	Ca_Desig_denovo	11163122	(T/C)
40150	CadSNP15745	<i>Desi</i>	Ca_Desig_denovo	11163136	(T/C)
40151	CadSNP15746	<i>Desi</i>	Ca_Desig_denovo	11166705	(C/T)
40152	CadSNP15747	<i>Desi</i>	Ca_Desig_denovo	11170344	(T/G)
40153	CadSNP15748	<i>Desi</i>	Ca_Desig_denovo	11170470	(A/G)
40154	CadSNP15749	<i>Desi</i>	Ca_Desig_denovo	11174559	(T/A)
40155	CadSNP15750	<i>Desi</i>	Ca_Desig_denovo	11174589	(C/T)
40156	CadSNP15751	<i>Desi</i>	Ca_Desig_denovo	11180487	(C/A)
40157	CadSNP15752	<i>Desi</i>	Ca_Desig_denovo	11184209	(C/G)
40158	CadSNP15753	<i>Desi</i>	Ca_Desig_denovo	11184486	(A/C)
40159	CadSNP15754	<i>Desi</i>	Ca_Desig_denovo	11190185	(C/T)
40160	CadSNP15755	<i>Desi</i>	Ca_Desig_denovo	11190188	(G/T)
40161	CadSNP15756	<i>Desi</i>	Ca_Desig_denovo	11192881	(C/T)
40162	CadSNP15757	<i>Desi</i>	Ca_Desig_denovo	11198285	(G/A)
40163	CadSNP15758	<i>Desi</i>	Ca_Desig_denovo	11200572	(T/G)
40164	CadSNP15759	<i>Desi</i>	Ca_Desig_denovo	11203786	(C/T)
40165	CadSNP15760	<i>Desi</i>	Ca_Desig_denovo	11204147	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40166	CadSNP15761	<i>Desi</i>	Ca_Desig_denovo	11204165	(G/A)
40167	CadSNP15762	<i>Desi</i>	Ca_Desig_denovo	11214153	(C/A)
40168	CadSNP15763	<i>Desi</i>	Ca_Desig_denovo	11214198	(C/G)
40169	CadSNP15764	<i>Desi</i>	Ca_Desig_denovo	11214981	(C/T)
40170	CadSNP15765	<i>Desi</i>	Ca_Desig_denovo	11225286	(A/C)
40171	CadSNP15766	<i>Desi</i>	Ca_Desig_denovo	11225287	(G/C)
40172	CadSNP15767	<i>Desi</i>	Ca_Desig_denovo	11229038	(G/A)
40173	CadSNP15768	<i>Desi</i>	Ca_Desig_denovo	11238705	(G/C)
40174	CadSNP15769	<i>Desi</i>	Ca_Desig_denovo	11238735	(A/C)
40175	CadSNP15770	<i>Desi</i>	Ca_Desig_denovo	11240091	(A/G)
40176	CadSNP15771	<i>Desi</i>	Ca_Desig_denovo	11242459	(T/C)
40177	CadSNP15772	<i>Desi</i>	Ca_Desig_denovo	11249349	(G/C)
40178	CadSNP15773	<i>Desi</i>	Ca_Desig_denovo	11256760	(A/T)
40179	CadSNP15774	<i>Desi</i>	Ca_Desig_denovo	11261842	(C/T)
40180	CadSNP15775	<i>Desi</i>	Ca_Desig_denovo	11264471	(T/A)
40181	CadSNP15776	<i>Desi</i>	Ca_Desig_denovo	11270219	(A/G)
40182	CadSNP15777	<i>Desi</i>	Ca_Desig_denovo	11270222	(G/C)
40183	CadSNP15778	<i>Desi</i>	Ca_Desig_denovo	11274531	(G/C)
40184	CadSNP15779	<i>Desi</i>	Ca_Desig_denovo	11276384	(G/T)
40185	CadSNP15780	<i>Desi</i>	Ca_Desig_denovo	11279348	(A/G)
40186	CadSNP15781	<i>Desi</i>	Ca_Desig_denovo	11279350	(C/G)
40187	CadSNP15782	<i>Desi</i>	Ca_Desig_denovo	11284061	(A/C)
40188	CadSNP15783	<i>Desi</i>	Ca_Desig_denovo	11287348	(A/G)
40189	CadSNP15784	<i>Desi</i>	Ca_Desig_denovo	11288273	(T/G)
40190	CadSNP15785	<i>Desi</i>	Ca_Desig_denovo	11294029	(T/C)
40191	CadSNP15786	<i>Desi</i>	Ca_Desig_denovo	11294041	(C/G)
40192	CadSNP15787	<i>Desi</i>	Ca_Desig_denovo	11294585	(C/T)
40193	CadSNP15788	<i>Desi</i>	Ca_Desig_denovo	11295516	(G/A)
40194	CadSNP15789	<i>Desi</i>	Ca_Desig_denovo	11295535	(A/G)
40195	CadSNP15790	<i>Desi</i>	Ca_Desig_denovo	11295594	(G/A)
40196	CadSNP15791	<i>Desi</i>	Ca_Desig_denovo	11297184	(A/G)
40197	CadSNP15792	<i>Desi</i>	Ca_Desig_denovo	11305005	(C/G)
40198	CadSNP15793	<i>Desi</i>	Ca_Desig_denovo	11307743	(G/A)
40199	CadSNP15794	<i>Desi</i>	Ca_Desig_denovo	11311516	(C/A)
40200	CadSNP15795	<i>Desi</i>	Ca_Desig_denovo	11311549	(T/C)
40201	CadSNP15796	<i>Desi</i>	Ca_Desig_denovo	11312703	(T/C)
40202	CadSNP15797	<i>Desi</i>	Ca_Desig_denovo	11313004	(T/C)
40203	CadSNP15798	<i>Desi</i>	Ca_Desig_denovo	11313010	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40204	CadSNP15799	<i>Desi</i>	Ca_Desig_denovo	11313077	(A/C)
40205	CadSNP15800	<i>Desi</i>	Ca_Desig_denovo	11313079	(A/C)
40206	CadSNP15801	<i>Desi</i>	Ca_Desig_denovo	11317191	(A/G)
40207	CadSNP15802	<i>Desi</i>	Ca_Desig_denovo	11317259	(C/T)
40208	CadSNP15803	<i>Desi</i>	Ca_Desig_denovo	11323058	(G/T)
40209	CadSNP15804	<i>Desi</i>	Ca_Desig_denovo	11323100	(A/G)
40210	CadSNP15805	<i>Desi</i>	Ca_Desig_denovo	11324841	(C/G)
40211	CadSNP15806	<i>Desi</i>	Ca_Desig_denovo	11326424	(T/C)
40212	CadSNP15807	<i>Desi</i>	Ca_Desig_denovo	11327286	(G/C)
40213	CadSNP15808	<i>Desi</i>	Ca_Desig_denovo	11330134	(T/C)
40214	CadSNP15809	<i>Desi</i>	Ca_Desig_denovo	11342800	(C/T)
40215	CadSNP15810	<i>Desi</i>	Ca_Desig_denovo	11348267	(T/A)
40216	CadSNP15811	<i>Desi</i>	Ca_Desig_denovo	11348308	(T/C)
40217	CadSNP15812	<i>Desi</i>	Ca_Desig_denovo	11349374	(G/A)
40218	CadSNP15813	<i>Desi</i>	Ca_Desig_denovo	11349442	(C/T)
40219	CadSNP15814	<i>Desi</i>	Ca_Desig_denovo	11350324	(C/G)
40220	CadSNP15815	<i>Desi</i>	Ca_Desig_denovo	11350348	(G/T)
40221	CadSNP15816	<i>Desi</i>	Ca_Desig_denovo	11350871	(A/G)
40222	CadSNP15817	<i>Desi</i>	Ca_Desig_denovo	11353284	(C/T)
40223	CadSNP15818	<i>Desi</i>	Ca_Desig_denovo	11369856	(G/A)
40224	CadSNP15819	<i>Desi</i>	Ca_Desig_denovo	11370671	(A/G)
40225	CadSNP15820	<i>Desi</i>	Ca_Desig_denovo	11370686	(A/G)
40226	CadSNP15821	<i>Desi</i>	Ca_Desig_denovo	11387763	(G/A)
40227	CadSNP15822	<i>Desi</i>	Ca_Desig_denovo	11389995	(G/T)
40228	CadSNP15823	<i>Desi</i>	Ca_Desig_denovo	11390016	(C/G)
40229	CadSNP15824	<i>Desi</i>	Ca_Desig_denovo	11391104	(A/C)
40230	CadSNP15825	<i>Desi</i>	Ca_Desig_denovo	11391105	(G/C)
40231	CadSNP15826	<i>Desi</i>	Ca_Desig_denovo	11391106	(A/G)
40232	CadSNP15827	<i>Desi</i>	Ca_Desig_denovo	11395142	(G/T)
40233	CadSNP15828	<i>Desi</i>	Ca_Desig_denovo	11397479	(A/T)
40234	CadSNP15829	<i>Desi</i>	Ca_Desig_denovo	11409342	(C/G)
40235	CadSNP15830	<i>Desi</i>	Ca_Desig_denovo	11413388	(A/C)
40236	CadSNP15831	<i>Desi</i>	Ca_Desig_denovo	11414384	(A/T)
40237	CadSNP15832	<i>Desi</i>	Ca_Desig_denovo	11414405	(G/A)
40238	CadSNP15833	<i>Desi</i>	Ca_Desig_denovo	11423572	(G/C)
40239	CadSNP15834	<i>Desi</i>	Ca_Desig_denovo	11431980	(T/C)
40240	CadSNP15835	<i>Desi</i>	Ca_Desig_denovo	11433835	(C/T)
40241	CadSNP15836	<i>Desi</i>	Ca_Desig_denovo	11435027	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40242	CadSNP15837	<i>Desi</i>	Ca_Desig_denovo	11447494	(G/C)
40243	CadSNP15838	<i>Desi</i>	Ca_Desig_denovo	11449460	(T/A)
40244	CadSNP15839	<i>Desi</i>	Ca_Desig_denovo	11449498	(T/C)
40245	CadSNP15840	<i>Desi</i>	Ca_Desig_denovo	11456205	(A/C)
40246	CadSNP15841	<i>Desi</i>	Ca_Desig_denovo	11459152	(G/T)
40247	CadSNP15842	<i>Desi</i>	Ca_Desig_denovo	11460799	(A/G)
40248	CadSNP15843	<i>Desi</i>	Ca_Desig_denovo	11465009	(C/T)
40249	CadSNP15844	<i>Desi</i>	Ca_Desig_denovo	11466927	(G/A)
40250	CadSNP15845	<i>Desi</i>	Ca_Desig_denovo	11472735	(G/C)
40251	CadSNP15846	<i>Desi</i>	Ca_Desig_denovo	11476769	(G/A)
40252	CadSNP15847	<i>Desi</i>	Ca_Desig_denovo	11476873	(T/G)
40253	CadSNP15848	<i>Desi</i>	Ca_Desig_denovo	11476886	(A/C)
40254	CadSNP15849	<i>Desi</i>	Ca_Desig_denovo	11478286	(C/G)
40255	CadSNP15850	<i>Desi</i>	Ca_Desig_denovo	11485924	(A/G)
40256	CadSNP15851	<i>Desi</i>	Ca_Desig_denovo	11490367	(A/C)
40257	CadSNP15852	<i>Desi</i>	Ca_Desig_denovo	11496016	(T/G)
40258	CadSNP15853	<i>Desi</i>	Ca_Desig_denovo	11501495	(A/C)
40259	CadSNP15854	<i>Desi</i>	Ca_Desig_denovo	11501497	(A/C)
40260	CadSNP15855	<i>Desi</i>	Ca_Desig_denovo	11504261	(T/G)
40261	CadSNP15856	<i>Desi</i>	Ca_Desig_denovo	11516115	(G/A)
40262	CadSNP15857	<i>Desi</i>	Ca_Desig_denovo	11519202	(C/T)
40263	CadSNP15858	<i>Desi</i>	Ca_Desig_denovo	11519258	(G/A)
40264	CadSNP15859	<i>Desi</i>	Ca_Desig_denovo	11526241	(A/G)
40265	CadSNP15860	<i>Desi</i>	Ca_Desig_denovo	11526721	(C/T)
40266	CadSNP15861	<i>Desi</i>	Ca_Desig_denovo	11526730	(C/A)
40267	CadSNP15862	<i>Desi</i>	Ca_Desig_denovo	11528402	(T/G)
40268	CadSNP15863	<i>Desi</i>	Ca_Desig_denovo	11528456	(T/G)
40269	CadSNP15864	<i>Desi</i>	Ca_Desig_denovo	11530284	(T/C)
40270	CadSNP15865	<i>Desi</i>	Ca_Desig_denovo	11530311	(G/A)
40271	CadSNP15866	<i>Desi</i>	Ca_Desig_denovo	11531105	(A/G)
40272	CadSNP15867	<i>Desi</i>	Ca_Desig_denovo	11545219	(G/A)
40273	CadSNP15868	<i>Desi</i>	Ca_Desig_denovo	11545257	(G/A)
40274	CadSNP15869	<i>Desi</i>	Ca_Desig_denovo	11545588	(G/A)
40275	CadSNP15870	<i>Desi</i>	Ca_Desig_denovo	11554581	(A/G)
40276	CadSNP15871	<i>Desi</i>	Ca_Desig_denovo	11555843	(A/G)
40277	CadSNP15872	<i>Desi</i>	Ca_Desig_denovo	11557029	(C/G)
40278	CadSNP15873	<i>Desi</i>	Ca_Desig_denovo	11563481	(G/A)
40279	CadSNP15874	<i>Desi</i>	Ca_Desig_denovo	11569129	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40280	CadSNP15875	<i>Desi</i>	Ca_Desig_denovo	11577689	(C/T)
40281	CadSNP15876	<i>Desi</i>	Ca_Desig_denovo	11583070	(T/G)
40282	CadSNP15877	<i>Desi</i>	Ca_Desig_denovo	11583082	(A/G)
40283	CadSNP15878	<i>Desi</i>	Ca_Desig_denovo	11589764	(A/T)
40284	CadSNP15879	<i>Desi</i>	Ca_Desig_denovo	11589796	(G/C)
40285	CadSNP15880	<i>Desi</i>	Ca_Desig_denovo	11601605	(T/G)
40286	CadSNP15881	<i>Desi</i>	Ca_Desig_denovo	11604317	(A/G)
40287	CadSNP15882	<i>Desi</i>	Ca_Desig_denovo	11604320	(C/A)
40288	CadSNP15883	<i>Desi</i>	Ca_Desig_denovo	11611091	(C/G)
40289	CadSNP15884	<i>Desi</i>	Ca_Desig_denovo	11611219	(G/T)
40290	CadSNP15885	<i>Desi</i>	Ca_Desig_denovo	11612383	(A/G)
40291	CadSNP15886	<i>Desi</i>	Ca_Desig_denovo	11631928	(C/T)
40292	CadSNP15887	<i>Desi</i>	Ca_Desig_denovo	11631960	(A/T)
40293	CadSNP15888	<i>Desi</i>	Ca_Desig_denovo	11634642	(T/G)
40294	CadSNP15889	<i>Desi</i>	Ca_Desig_denovo	11634645	(A/C)
40295	CadSNP15890	<i>Desi</i>	Ca_Desig_denovo	11636134	(T/G)
40296	CadSNP15891	<i>Desi</i>	Ca_Desig_denovo	11639709	(C/T)
40297	CadSNP15892	<i>Desi</i>	Ca_Desig_denovo	11640587	(C/A)
40298	CadSNP15893	<i>Desi</i>	Ca_Desig_denovo	11642505	(G/T)
40299	CadSNP15894	<i>Desi</i>	Ca_Desig_denovo	11642514	(G/A)
40300	CadSNP15895	<i>Desi</i>	Ca_Desig_denovo	11648279	(G/A)
40301	CadSNP15896	<i>Desi</i>	Ca_Desig_denovo	11652286	(A/T)
40302	CadSNP15897	<i>Desi</i>	Ca_Desig_denovo	11654900	(G/A)
40303	CadSNP15898	<i>Desi</i>	Ca_Desig_denovo	11654941	(C/T)
40304	CadSNP15899	<i>Desi</i>	Ca_Desig_denovo	11667610	(C/T)
40305	CadSNP15900	<i>Desi</i>	Ca_Desig_denovo	11667628	(G/A)
40306	CadSNP15901	<i>Desi</i>	Ca_Desig_denovo	11669482	(G/C)
40307	CadSNP15902	<i>Desi</i>	Ca_Desig_denovo	11670034	(C/T)
40308	CadSNP15903	<i>Desi</i>	Ca_Desig_denovo	11670429	(A/T)
40309	CadSNP15904	<i>Desi</i>	Ca_Desig_denovo	11670432	(T/C)
40310	CadSNP15905	<i>Desi</i>	Ca_Desig_denovo	11671995	(C/G)
40311	CadSNP15906	<i>Desi</i>	Ca_Desig_denovo	11672865	(T/G)
40312	CadSNP15907	<i>Desi</i>	Ca_Desig_denovo	11691508	(C/T)
40313	CadSNP15908	<i>Desi</i>	Ca_Desig_denovo	11691554	(C/T)
40314	CadSNP15909	<i>Desi</i>	Ca_Desig_denovo	11691586	(G/C)
40315	CadSNP15910	<i>Desi</i>	Ca_Desig_denovo	11693615	(G/C)
40316	CadSNP15911	<i>Desi</i>	Ca_Desig_denovo	11693626	(C/T)
40317	CadSNP15912	<i>Desi</i>	Ca_Desig_denovo	11699541	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40318	CadSNP15913	<i>Desi</i>	Ca_Desig_denovo	11709973	(C/G)
40319	CadSNP15914	<i>Desi</i>	Ca_Desig_denovo	11709979	(G/A)
40320	CadSNP15915	<i>Desi</i>	Ca_Desig_denovo	11714461	(C/T)
40321	CadSNP15916	<i>Desi</i>	Ca_Desig_denovo	11715154	(A/C)
40322	CadSNP15917	<i>Desi</i>	Ca_Desig_denovo	11722568	(T/G)
40323	CadSNP15918	<i>Desi</i>	Ca_Desig_denovo	11722598	(A/G)
40324	CadSNP15919	<i>Desi</i>	Ca_Desig_denovo	11729966	(A/G)
40325	CadSNP15920	<i>Desi</i>	Ca_Desig_denovo	11732342	(A/G)
40326	CadSNP15921	<i>Desi</i>	Ca_Desig_denovo	11739407	(C/G)
40327	CadSNP15922	<i>Desi</i>	Ca_Desig_denovo	11740721	(A/G)
40328	CadSNP15923	<i>Desi</i>	Ca_Desig_denovo	11742839	(G/C)
40329	CadSNP15924	<i>Desi</i>	Ca_Desig_denovo	11755328	(A/C)
40330	CadSNP15925	<i>Desi</i>	Ca_Desig_denovo	11755343	(A/G)
40331	CadSNP15926	<i>Desi</i>	Ca_Desig_denovo	11768901	(G/T)
40332	CadSNP15927	<i>Desi</i>	Ca_Desig_denovo	11768962	(C/G)
40333	CadSNP15928	<i>Desi</i>	Ca_Desig_denovo	11770662	(G/A)
40334	CadSNP15929	<i>Desi</i>	Ca_Desig_denovo	11772061	(C/T)
40335	CadSNP15930	<i>Desi</i>	Ca_Desig_denovo	11772608	(G/A)
40336	CadSNP15931	<i>Desi</i>	Ca_Desig_denovo	11774088	(A/G)
40337	CadSNP15932	<i>Desi</i>	Ca_Desig_denovo	11774126	(G/A)
40338	CadSNP15933	<i>Desi</i>	Ca_Desig_denovo	11777627	(C/T)
40339	CadSNP15934	<i>Desi</i>	Ca_Desig_denovo	11777636	(A/G)
40340	CadSNP15935	<i>Desi</i>	Ca_Desig_denovo	11777830	(C/T)
40341	CadSNP15936	<i>Desi</i>	Ca_Desig_denovo	11782033	(C/T)
40342	CadSNP15937	<i>Desi</i>	Ca_Desig_denovo	11782542	(C/T)
40343	CadSNP15938	<i>Desi</i>	Ca_Desig_denovo	11787137	(A/G)
40344	CadSNP15939	<i>Desi</i>	Ca_Desig_denovo	11787148	(T/G)
40345	CadSNP15940	<i>Desi</i>	Ca_Desig_denovo	11787160	(C/A)
40346	CadSNP15941	<i>Desi</i>	Ca_Desig_denovo	11787190	(G/T)
40347	CadSNP15942	<i>Desi</i>	Ca_Desig_denovo	11788224	(C/G)
40348	CadSNP15943	<i>Desi</i>	Ca_Desig_denovo	11788240	(T/C)
40349	CadSNP15944	<i>Desi</i>	Ca_Desig_denovo	11793456	(C/T)
40350	CadSNP15945	<i>Desi</i>	Ca_Desig_denovo	11793465	(C/T)
40351	CadSNP15946	<i>Desi</i>	Ca_Desig_denovo	11804261	(T/C)
40352	CadSNP15947	<i>Desi</i>	Ca_Desig_denovo	11804267	(G/A)
40353	CadSNP15948	<i>Desi</i>	Ca_Desig_denovo	11811389	(G/T)
40354	CadSNP15949	<i>Desi</i>	Ca_Desig_denovo	11811401	(T/C)
40355	CadSNP15950	<i>Desi</i>	Ca_Desig_denovo	11811423	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40356	CadSNP15951	<i>Desi</i>	Ca_Desig_denovo	11818581	(C/T)
40357	CadSNP15952	<i>Desi</i>	Ca_Desig_denovo	11819666	(G/T)
40358	CadSNP15953	<i>Desi</i>	Ca_Desig_denovo	11819678	(A/G)
40359	CadSNP15954	<i>Desi</i>	Ca_Desig_denovo	11832937	(T/C)
40360	CadSNP15955	<i>Desi</i>	Ca_Desig_denovo	11835871	(G/T)
40361	CadSNP15956	<i>Desi</i>	Ca_Desig_denovo	11835872	(T/C)
40362	CadSNP15957	<i>Desi</i>	Ca_Desig_denovo	11837345	(A/G)
40363	CadSNP15958	<i>Desi</i>	Ca_Desig_denovo	11841347	(T/G)
40364	CadSNP15959	<i>Desi</i>	Ca_Desig_denovo	11842657	(T/C)
40365	CadSNP15960	<i>Desi</i>	Ca_Desig_denovo	11862164	(A/G)
40366	CadSNP15961	<i>Desi</i>	Ca_Desig_denovo	11874367	(C/T)
40367	CadSNP15962	<i>Desi</i>	Ca_Desig_denovo	11876112	(T/A)
40368	CadSNP15963	<i>Desi</i>	Ca_Desig_denovo	11877478	(T/C)
40369	CadSNP15964	<i>Desi</i>	Ca_Desig_denovo	11877487	(G/T)
40370	CadSNP15965	<i>Desi</i>	Ca_Desig_denovo	11884395	(A/G)
40371	CadSNP15966	<i>Desi</i>	Ca_Desig_denovo	11884398	(G/C)
40372	CadSNP15967	<i>Desi</i>	Ca_Desig_denovo	11885443	(G/C)
40373	CadSNP15968	<i>Desi</i>	Ca_Desig_denovo	11891338	(T/C)
40374	CadSNP15969	<i>Desi</i>	Ca_Desig_denovo	11891351	(C/G)
40375	CadSNP15970	<i>Desi</i>	Ca_Desig_denovo	11899089	(A/G)
40376	CadSNP15971	<i>Desi</i>	Ca_Desig_denovo	11900104	(T/C)
40377	CadSNP15972	<i>Desi</i>	Ca_Desig_denovo	11903745	(C/A)
40378	CadSNP15973	<i>Desi</i>	Ca_Desig_denovo	11905970	(G/A)
40379	CadSNP15974	<i>Desi</i>	Ca_Desig_denovo	11905978	(C/A)
40380	CadSNP15975	<i>Desi</i>	Ca_Desig_denovo	11911358	(A/G)
40381	CadSNP15976	<i>Desi</i>	Ca_Desig_denovo	11911372	(T/C)
40382	CadSNP15977	<i>Desi</i>	Ca_Desig_denovo	11914586	(G/A)
40383	CadSNP15978	<i>Desi</i>	Ca_Desig_denovo	11917816	(G/A)
40384	CadSNP15979	<i>Desi</i>	Ca_Desig_denovo	11919108	(G/C)
40385	CadSNP15980	<i>Desi</i>	Ca_Desig_denovo	11919114	(C/T)
40386	CadSNP15981	<i>Desi</i>	Ca_Desig_denovo	11925872	(G/A)
40387	CadSNP15982	<i>Desi</i>	Ca_Desig_denovo	11925891	(T/A)
40388	CadSNP15983	<i>Desi</i>	Ca_Desig_denovo	11932837	(T/G)
40389	CadSNP15984	<i>Desi</i>	Ca_Desig_denovo	11933397	(T/C)
40390	CadSNP15985	<i>Desi</i>	Ca_Desig_denovo	11933608	(A/G)
40391	CadSNP15986	<i>Desi</i>	Ca_Desig_denovo	11933614	(G/C)
40392	CadSNP15987	<i>Desi</i>	Ca_Desig_denovo	11937317	(A/G)
40393	CadSNP15988	<i>Desi</i>	Ca_Desig_denovo	11937333	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40394	CadSNP15989	<i>Desi</i>	Ca_Desig_denovo	11938292	(T/C)
40395	CadSNP15990	<i>Desi</i>	Ca_Desig_denovo	11938298	(T/C)
40396	CadSNP15991	<i>Desi</i>	Ca_Desig_denovo	11940650	(A/G)
40397	CadSNP15992	<i>Desi</i>	Ca_Desig_denovo	11941799	(C/T)
40398	CadSNP15993	<i>Desi</i>	Ca_Desig_denovo	11941849	(C/A)
40399	CadSNP15994	<i>Desi</i>	Ca_Desig_denovo	11947536	(A/C)
40400	CadSNP15995	<i>Desi</i>	Ca_Desig_denovo	11951354	(C/A)
40401	CadSNP15996	<i>Desi</i>	Ca_Desig_denovo	11951372	(A/T)
40402	CadSNP15997	<i>Desi</i>	Ca_Desig_denovo	11957863	(C/T)
40403	CadSNP15998	<i>Desi</i>	Ca_Desig_denovo	11957893	(G/A)
40404	CadSNP15999	<i>Desi</i>	Ca_Desig_denovo	11961253	(G/C)
40405	CadSNP16000	<i>Desi</i>	Ca_Desig_denovo	11966848	(A/C)
40406	CadSNP16001	<i>Desi</i>	Ca_Desig_denovo	11972883	(G/T)
40407	CadSNP16002	<i>Desi</i>	Ca_Desig_denovo	11974611	(A/T)
40408	CadSNP16003	<i>Desi</i>	Ca_Desig_denovo	11974625	(G/A)
40409	CadSNP16004	<i>Desi</i>	Ca_Desig_denovo	11974631	(T/C)
40410	CadSNP16005	<i>Desi</i>	Ca_Desig_denovo	11977669	(A/G)
40411	CadSNP16006	<i>Desi</i>	Ca_Desig_denovo	11982985	(G/T)
40412	CadSNP16007	<i>Desi</i>	Ca_Desig_denovo	11985596	(G/A)
40413	CadSNP16008	<i>Desi</i>	Ca_Desig_denovo	11987078	(A/G)
40414	CadSNP16009	<i>Desi</i>	Ca_Desig_denovo	11989132	(T/G)
40415	CadSNP16010	<i>Desi</i>	Ca_Desig_denovo	11989157	(T/G)
40416	CadSNP16011	<i>Desi</i>	Ca_Desig_denovo	11993360	(C/T)
40417	CadSNP16012	<i>Desi</i>	Ca_Desig_denovo	11993369	(C/G)
40418	CadSNP16013	<i>Desi</i>	Ca_Desig_denovo	11999604	(A/C)
40419	CadSNP16014	<i>Desi</i>	Ca_Desig_denovo	11999605	(A/G)
40420	CadSNP16015	<i>Desi</i>	Ca_Desig_denovo	12008450	(C/A)
40421	CadSNP16016	<i>Desi</i>	Ca_Desig_denovo	12008518	(T/C)
40422	CadSNP16017	<i>Desi</i>	Ca_Desig_denovo	12012784	(A/G)
40423	CadSNP16018	<i>Desi</i>	Ca_Desig_denovo	12015908	(C/T)
40424	CadSNP16019	<i>Desi</i>	Ca_Desig_denovo	12022966	(G/T)
40425	CadSNP16020	<i>Desi</i>	Ca_Desig_denovo	12029374	(C/T)
40426	CadSNP16021	<i>Desi</i>	Ca_Desig_denovo	12029431	(T/C)
40427	CadSNP16022	<i>Desi</i>	Ca_Desig_denovo	12029481	(C/T)
40428	CadSNP16023	<i>Desi</i>	Ca_Desig_denovo	12032416	(G/A)
40429	CadSNP16024	<i>Desi</i>	Ca_Desig_denovo	12034730	(T/C)
40430	CadSNP16025	<i>Desi</i>	Ca_Desig_denovo	12034732	(A/G)
40431	CadSNP16026	<i>Desi</i>	Ca_Desig_denovo	12035976	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40432	CadSNP16027	<i>Desi</i>	Ca_Desig_denovo	12046415	(C/G)
40433	CadSNP16028	<i>Desi</i>	Ca_Desig_denovo	12046433	(T/C)
40434	CadSNP16029	<i>Desi</i>	Ca_Desig_denovo	12048800	(A/C)
40435	CadSNP16030	<i>Desi</i>	Ca_Desig_denovo	12049528	(C/T)
40436	CadSNP16031	<i>Desi</i>	Ca_Desig_denovo	12049531	(C/A)
40437	CadSNP16032	<i>Desi</i>	Ca_Desig_denovo	12061769	(A/G)
40438	CadSNP16033	<i>Desi</i>	Ca_Desig_denovo	12061807	(G/C)
40439	CadSNP16034	<i>Desi</i>	Ca_Desig_denovo	12064262	(C/T)
40440	CadSNP16035	<i>Desi</i>	Ca_Desig_denovo	12065985	(T/G)
40441	CadSNP16036	<i>Desi</i>	Ca_Desig_denovo	12066006	(T/G)
40442	CadSNP16037	<i>Desi</i>	Ca_Desig_denovo	12067321	(C/T)
40443	CadSNP16038	<i>Desi</i>	Ca_Desig_denovo	12069782	(G/T)
40444	CadSNP16039	<i>Desi</i>	Ca_Desig_denovo	12074391	(T/C)
40445	CadSNP16040	<i>Desi</i>	Ca_Desig_denovo	12074399	(G/A)
40446	CadSNP16041	<i>Desi</i>	Ca_Desig_denovo	12085341	(G/A)
40447	CadSNP16042	<i>Desi</i>	Ca_Desig_denovo	12089024	(G/T)
40448	CadSNP16043	<i>Desi</i>	Ca_Desig_denovo	12089031	(G/C)
40449	CadSNP16044	<i>Desi</i>	Ca_Desig_denovo	12090759	(C/G)
40450	CadSNP16045	<i>Desi</i>	Ca_Desig_denovo	12092276	(T/C)
40451	CadSNP16046	<i>Desi</i>	Ca_Desig_denovo	12098114	(A/G)
40452	CadSNP16047	<i>Desi</i>	Ca_Desig_denovo	12098117	(T/G)
40453	CadSNP16048	<i>Desi</i>	Ca_Desig_denovo	12106488	(A/G)
40454	CadSNP16049	<i>Desi</i>	Ca_Desig_denovo	12106494	(C/T)
40455	CadSNP16050	<i>Desi</i>	Ca_Desig_denovo	12106946	(G/A)
40456	CadSNP16051	<i>Desi</i>	Ca_Desig_denovo	12106982	(G/C)
40457	CadSNP16052	<i>Desi</i>	Ca_Desig_denovo	12108314	(A/G)
40458	CadSNP16053	<i>Desi</i>	Ca_Desig_denovo	12109055	(A/G)
40459	CadSNP16054	<i>Desi</i>	Ca_Desig_denovo	12112276	(T/C)
40460	CadSNP16055	<i>Desi</i>	Ca_Desig_denovo	12113590	(C/T)
40461	CadSNP16056	<i>Desi</i>	Ca_Desig_denovo	12113599	(T/C)
40462	CadSNP16057	<i>Desi</i>	Ca_Desig_denovo	12122753	(A/G)
40463	CadSNP16058	<i>Desi</i>	Ca_Desig_denovo	12127600	(C/T)
40464	CadSNP16059	<i>Desi</i>	Ca_Desig_denovo	12127606	(T/C)
40465	CadSNP16060	<i>Desi</i>	Ca_Desig_denovo	12127618	(T/C)
40466	CadSNP16061	<i>Desi</i>	Ca_Desig_denovo	12128218	(G/A)
40467	CadSNP16062	<i>Desi</i>	Ca_Desig_denovo	12128901	(T/C)
40468	CadSNP16063	<i>Desi</i>	Ca_Desig_denovo	12128941	(G/A)
40469	CadSNP16064	<i>Desi</i>	Ca_Desig_denovo	12133713	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40470	CadSNP16065	<i>Desi</i>	Ca_Desig_denovo	12134191	(G/T)
40471	CadSNP16066	<i>Desi</i>	Ca_Desig_denovo	12135210	(T/C)
40472	CadSNP16067	<i>Desi</i>	Ca_Desig_denovo	12135959	(T/G)
40473	CadSNP16068	<i>Desi</i>	Ca_Desig_denovo	12137043	(T/C)
40474	CadSNP16069	<i>Desi</i>	Ca_Desig_denovo	12145807	(T/G)
40475	CadSNP16070	<i>Desi</i>	Ca_Desig_denovo	12145813	(T/C)
40476	CadSNP16071	<i>Desi</i>	Ca_Desig_denovo	12146919	(A/T)
40477	CadSNP16072	<i>Desi</i>	Ca_Desig_denovo	12150118	(A/G)
40478	CadSNP16073	<i>Desi</i>	Ca_Desig_denovo	12152673	(C/T)
40479	CadSNP16074	<i>Desi</i>	Ca_Desig_denovo	12154262	(A/C)
40480	CadSNP16075	<i>Desi</i>	Ca_Desig_denovo	12154263	(G/T)
40481	CadSNP16076	<i>Desi</i>	Ca_Desig_denovo	12154264	(A/G)
40482	CadSNP16077	<i>Desi</i>	Ca_Desig_denovo	12159073	(G/A)
40483	CadSNP16078	<i>Desi</i>	Ca_Desig_denovo	12164687	(C/G)
40484	CadSNP16079	<i>Desi</i>	Ca_Desig_denovo	12164696	(A/G)
40485	CadSNP16080	<i>Desi</i>	Ca_Desig_denovo	12177218	(C/A)
40486	CadSNP16081	<i>Desi</i>	Ca_Desig_denovo	12180631	(G/C)
40487	CadSNP16082	<i>Desi</i>	Ca_Desig_denovo	12183323	(A/G)
40488	CadSNP16083	<i>Desi</i>	Ca_Desig_denovo	12183332	(T/C)
40489	CadSNP16084	<i>Desi</i>	Ca_Desig_denovo	12183456	(A/G)
40490	CadSNP16085	<i>Desi</i>	Ca_Desig_denovo	12183465	(A/G)
40491	CadSNP16086	<i>Desi</i>	Ca_Desig_denovo	12187213	(C/T)
40492	CadSNP16087	<i>Desi</i>	Ca_Desig_denovo	12187256	(C/T)
40493	CadSNP16088	<i>Desi</i>	Ca_Desig_denovo	12187570	(C/T)
40494	CadSNP16089	<i>Desi</i>	Ca_Desig_denovo	12192333	(G/C)
40495	CadSNP16090	<i>Desi</i>	Ca_Desig_denovo	12201733	(C/T)
40496	CadSNP16091	<i>Desi</i>	Ca_Desig_denovo	12203580	(G/C)
40497	CadSNP16092	<i>Desi</i>	Ca_Desig_denovo	12203619	(G/C)
40498	CadSNP16093	<i>Desi</i>	Ca_Desig_denovo	12203656	(A/G)
40499	CadSNP16094	<i>Desi</i>	Ca_Desig_denovo	12203680	(A/G)
40500	CadSNP16095	<i>Desi</i>	Ca_Desig_denovo	12220954	(A/G)
40501	CadSNP16096	<i>Desi</i>	Ca_Desig_denovo	12220999	(A/G)
40502	CadSNP16097	<i>Desi</i>	Ca_Desig_denovo	12226262	(G/A)
40503	CadSNP16098	<i>Desi</i>	Ca_Desig_denovo	12226270	(T/C)
40504	CadSNP16099	<i>Desi</i>	Ca_Desig_denovo	12226283	(T/C)
40505	CadSNP16100	<i>Desi</i>	Ca_Desig_denovo	12226937	(T/C)
40506	CadSNP16101	<i>Desi</i>	Ca_Desig_denovo	12226989	(A/G)
40507	CadSNP16102	<i>Desi</i>	Ca_Desig_denovo	12227465	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40508	CadSNP16103	<i>Desi</i>	Ca_Desig_denovo	12227468	(G/A)
40509	CadSNP16104	<i>Desi</i>	Ca_Desig_denovo	12228231	(C/G)
40510	CadSNP16105	<i>Desi</i>	Ca_Desig_denovo	12229659	(T/C)
40511	CadSNP16106	<i>Desi</i>	Ca_Desig_denovo	12232496	(T/C)
40512	CadSNP16107	<i>Desi</i>	Ca_Desig_denovo	12238428	(G/T)
40513	CadSNP16108	<i>Desi</i>	Ca_Desig_denovo	12248122	(T/C)
40514	CadSNP16109	<i>Desi</i>	Ca_Desig_denovo	12255457	(A/C)
40515	CadSNP16110	<i>Desi</i>	Ca_Desig_denovo	12255499	(G/T)
40516	CadSNP16111	<i>Desi</i>	Ca_Desig_denovo	12256498	(T/C)
40517	CadSNP16112	<i>Desi</i>	Ca_Desig_denovo	12258968	(A/T)
40518	CadSNP16113	<i>Desi</i>	Ca_Desig_denovo	12260944	(T/C)
40519	CadSNP16114	<i>Desi</i>	Ca_Desig_denovo	12261020	(G/A)
40520	CadSNP16115	<i>Desi</i>	Ca_Desig_denovo	12266615	(G/A)
40521	CadSNP16116	<i>Desi</i>	Ca_Desig_denovo	12266633	(A/G)
40522	CadSNP16117	<i>Desi</i>	Ca_Desig_denovo	12269185	(C/G)
40523	CadSNP16118	<i>Desi</i>	Ca_Desig_denovo	12275814	(A/C)
40524	CadSNP16119	<i>Desi</i>	Ca_Desig_denovo	12275815	(G/C)
40525	CadSNP16120	<i>Desi</i>	Ca_Desig_denovo	12282148	(G/A)
40526	CadSNP16121	<i>Desi</i>	Ca_Desig_denovo	12283522	(A/T)
40527	CadSNP16122	<i>Desi</i>	Ca_Desig_denovo	12289309	(T/C)
40528	CadSNP16123	<i>Desi</i>	Ca_Desig_denovo	12289393	(G/T)
40529	CadSNP16124	<i>Desi</i>	Ca_Desig_denovo	12294347	(G/A)
40530	CadSNP16125	<i>Desi</i>	Ca_Desig_denovo	12298514	(T/C)
40531	CadSNP16126	<i>Desi</i>	Ca_Desig_denovo	12299495	(A/T)
40532	CadSNP16127	<i>Desi</i>	Ca_Desig_denovo	12305543	(A/G)
40533	CadSNP16128	<i>Desi</i>	Ca_Desig_denovo	12305687	(C/T)
40534	CadSNP16129	<i>Desi</i>	Ca_Desig_denovo	12305705	(G/C)
40535	CadSNP16130	<i>Desi</i>	Ca_Desig_denovo	12317690	(T/C)
40536	CadSNP16131	<i>Desi</i>	Ca_Desig_denovo	12317726	(A/G)
40537	CadSNP16132	<i>Desi</i>	Ca_Desig_denovo	12317930	(T/C)
40538	CadSNP16133	<i>Desi</i>	Ca_Desig_denovo	12327178	(C/T)
40539	CadSNP16134	<i>Desi</i>	Ca_Desig_denovo	12327193	(C/G)
40540	CadSNP16135	<i>Desi</i>	Ca_Desig_denovo	12335077	(T/G)
40541	CadSNP16136	<i>Desi</i>	Ca_Desig_denovo	12336762	(C/G)
40542	CadSNP16137	<i>Desi</i>	Ca_Desig_denovo	12336770	(C/T)
40543	CadSNP16138	<i>Desi</i>	Ca_Desig_denovo	12338153	(G/A)
40544	CadSNP16139	<i>Desi</i>	Ca_Desig_denovo	12338559	(T/C)
40545	CadSNP16140	<i>Desi</i>	Ca_Desig_denovo	12338589	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40546	CadSNP16141	<i>Desi</i>	Ca_Desig_denovo	12341050	(G/T)
40547	CadSNP16142	<i>Desi</i>	Ca_Desig_denovo	12343728	(A/G)
40548	CadSNP16143	<i>Desi</i>	Ca_Desig_denovo	12354889	(G/A)
40549	CadSNP16144	<i>Desi</i>	Ca_Desig_denovo	12354939	(G/A)
40550	CadSNP16145	<i>Desi</i>	Ca_Desig_denovo	12354956	(G/C)
40551	CadSNP16146	<i>Desi</i>	Ca_Desig_denovo	12357124	(C/T)
40552	CadSNP16147	<i>Desi</i>	Ca_Desig_denovo	12357137	(A/G)
40553	CadSNP16148	<i>Desi</i>	Ca_Desig_denovo	12357203	(C/A)
40554	CadSNP16149	<i>Desi</i>	Ca_Desig_denovo	12378214	(A/C)
40555	CadSNP16150	<i>Desi</i>	Ca_Desig_denovo	12378271	(T/C)
40556	CadSNP16151	<i>Desi</i>	Ca_Desig_denovo	12381757	(G/A)
40557	CadSNP16152	<i>Desi</i>	Ca_Desig_denovo	12381805	(A/G)
40558	CadSNP16153	<i>Desi</i>	Ca_Desig_denovo	12383810	(T/C)
40559	CadSNP16154	<i>Desi</i>	Ca_Desig_denovo	12383838	(G/A)
40560	CadSNP16155	<i>Desi</i>	Ca_Desig_denovo	12393186	(A/G)
40561	CadSNP16156	<i>Desi</i>	Ca_Desig_denovo	12393204	(T/C)
40562	CadSNP16157	<i>Desi</i>	Ca_Desig_denovo	12394585	(C/T)
40563	CadSNP16158	<i>Desi</i>	Ca_Desig_denovo	12399545	(G/A)
40564	CadSNP16159	<i>Desi</i>	Ca_Desig_denovo	12399575	(A/G)
40565	CadSNP16160	<i>Desi</i>	Ca_Desig_denovo	12400442	(T/C)
40566	CadSNP16161	<i>Desi</i>	Ca_Desig_denovo	12400835	(A/G)
40567	CadSNP16162	<i>Desi</i>	Ca_Desig_denovo	12400838	(G/A)
40568	CadSNP16163	<i>Desi</i>	Ca_Desig_denovo	12401349	(T/C)
40569	CadSNP16164	<i>Desi</i>	Ca_Desig_denovo	12403546	(T/C)
40570	CadSNP16165	<i>Desi</i>	Ca_Desig_denovo	12405649	(C/T)
40571	CadSNP16166	<i>Desi</i>	Ca_Desig_denovo	12405655	(T/A)
40572	CadSNP16167	<i>Desi</i>	Ca_Desig_denovo	12406984	(C/A)
40573	CadSNP16168	<i>Desi</i>	Ca_Desig_denovo	12409072	(C/G)
40574	CadSNP16169	<i>Desi</i>	Ca_Desig_denovo	12414245	(G/T)
40575	CadSNP16170	<i>Desi</i>	Ca_Desig_denovo	12414254	(C/T)
40576	CadSNP16171	<i>Desi</i>	Ca_Desig_denovo	12416758	(G/A)
40577	CadSNP16172	<i>Desi</i>	Ca_Desig_denovo	12416764	(A/G)
40578	CadSNP16173	<i>Desi</i>	Ca_Desig_denovo	12429137	(C/T)
40579	CadSNP16174	<i>Desi</i>	Ca_Desig_denovo	12430431	(A/G)
40580	CadSNP16175	<i>Desi</i>	Ca_Desig_denovo	12430455	(A/G)
40581	CadSNP16176	<i>Desi</i>	Ca_Desig_denovo	12435774	(A/C)
40582	CadSNP16177	<i>Desi</i>	Ca_Desig_denovo	12435775	(A/G)
40583	CadSNP16178	<i>Desi</i>	Ca_Desig_denovo	12437011	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40584	CadSNP16179	<i>Desi</i>	Ca_Desig_denovo	12437059	(C/T)
40585	CadSNP16180	<i>Desi</i>	Ca_Desig_denovo	12440314	(A/G)
40586	CadSNP16181	<i>Desi</i>	Ca_Desig_denovo	12440317	(G/A)
40587	CadSNP16182	<i>Desi</i>	Ca_Desig_denovo	12444746	(A/G)
40588	CadSNP16183	<i>Desi</i>	Ca_Desig_denovo	12446204	(T/G)
40589	CadSNP16184	<i>Desi</i>	Ca_Desig_denovo	12448261	(C/A)
40590	CadSNP16185	<i>Desi</i>	Ca_Desig_denovo	12448285	(G/C)
40591	CadSNP16186	<i>Desi</i>	Ca_Desig_denovo	12467055	(C/T)
40592	CadSNP16187	<i>Desi</i>	Ca_Desig_denovo	12467056	(G/T)
40593	CadSNP16188	<i>Desi</i>	Ca_Desig_denovo	12477952	(T/C)
40594	CadSNP16189	<i>Desi</i>	Ca_Desig_denovo	12481201	(A/C)
40595	CadSNP16190	<i>Desi</i>	Ca_Desig_denovo	12481209	(C/G)
40596	CadSNP16191	<i>Desi</i>	Ca_Desig_denovo	12482031	(C/T)
40597	CadSNP16192	<i>Desi</i>	Ca_Desig_denovo	12483866	(T/C)
40598	CadSNP16193	<i>Desi</i>	Ca_Desig_denovo	12483885	(G/A)
40599	CadSNP16194	<i>Desi</i>	Ca_Desig_denovo	12490375	(G/C)
40600	CadSNP16195	<i>Desi</i>	Ca_Desig_denovo	12491110	(A/C)
40601	CadSNP16196	<i>Desi</i>	Ca_Desig_denovo	12494143	(C/T)
40602	CadSNP16197	<i>Desi</i>	Ca_Desig_denovo	12497354	(C/A)
40603	CadSNP16198	<i>Desi</i>	Ca_Desig_denovo	12497393	(A/G)
40604	CadSNP16199	<i>Desi</i>	Ca_Desig_denovo	12499299	(C/T)
40605	CadSNP16200	<i>Desi</i>	Ca_Desig_denovo	12516311	(T/G)
40606	CadSNP16201	<i>Desi</i>	Ca_Desig_denovo	12517934	(C/T)
40607	CadSNP16202	<i>Desi</i>	Ca_Desig_denovo	12517952	(T/C)
40608	CadSNP16203	<i>Desi</i>	Ca_Desig_denovo	12522164	(T/G)
40609	CadSNP16204	<i>Desi</i>	Ca_Desig_denovo	12529043	(C/T)
40610	CadSNP16205	<i>Desi</i>	Ca_Desig_denovo	12535857	(G/A)
40611	CadSNP16206	<i>Desi</i>	Ca_Desig_denovo	12536061	(G/A)
40612	CadSNP16207	<i>Desi</i>	Ca_Desig_denovo	12537162	(T/C)
40613	CadSNP16208	<i>Desi</i>	Ca_Desig_denovo	12543295	(A/G)
40614	CadSNP16209	<i>Desi</i>	Ca_Desig_denovo	12545804	(T/C)
40615	CadSNP16210	<i>Desi</i>	Ca_Desig_denovo	12545840	(T/C)
40616	CadSNP16211	<i>Desi</i>	Ca_Desig_denovo	12545843	(C/T)
40617	CadSNP16212	<i>Desi</i>	Ca_Desig_denovo	12556327	(G/A)
40618	CadSNP16213	<i>Desi</i>	Ca_Desig_denovo	12556333	(G/A)
40619	CadSNP16214	<i>Desi</i>	Ca_Desig_denovo	12568649	(C/A)
40620	CadSNP16215	<i>Desi</i>	Ca_Desig_denovo	12571913	(G/A)
40621	CadSNP16216	<i>Desi</i>	Ca_Desig_denovo	12572792	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40622	CadSNP16217	<i>Desi</i>	Ca_Desig_denovo	12575580	(C/G)
40623	CadSNP16218	<i>Desi</i>	Ca_Desig_denovo	12586420	(T/C)
40624	CadSNP16219	<i>Desi</i>	Ca_Desig_denovo	12588115	(A/C)
40625	CadSNP16220	<i>Desi</i>	Ca_Desig_denovo	12588156	(C/G)
40626	CadSNP16221	<i>Desi</i>	Ca_Desig_denovo	12589568	(T/G)
40627	CadSNP16222	<i>Desi</i>	Ca_Desig_denovo	12590008	(G/A)
40628	CadSNP16223	<i>Desi</i>	Ca_Desig_denovo	12596369	(C/T)
40629	CadSNP16224	<i>Desi</i>	Ca_Desig_denovo	12600597	(A/G)
40630	CadSNP16225	<i>Desi</i>	Ca_Desig_denovo	12606451	(T/C)
40631	CadSNP16226	<i>Desi</i>	Ca_Desig_denovo	12609823	(T/C)
40632	CadSNP16227	<i>Desi</i>	Ca_Desig_denovo	12613814	(A/G)
40633	CadSNP16228	<i>Desi</i>	Ca_Desig_denovo	12615422	(G/A)
40634	CadSNP16229	<i>Desi</i>	Ca_Desig_denovo	12615449	(G/A)
40635	CadSNP16230	<i>Desi</i>	Ca_Desig_denovo	12618066	(C/T)
40636	CadSNP16231	<i>Desi</i>	Ca_Desig_denovo	12618299	(C/A)
40637	CadSNP16232	<i>Desi</i>	Ca_Desig_denovo	12618728	(T/C)
40638	CadSNP16233	<i>Desi</i>	Ca_Desig_denovo	12624037	(C/G)
40639	CadSNP16234	<i>Desi</i>	Ca_Desig_denovo	12624318	(G/C)
40640	CadSNP16235	<i>Desi</i>	Ca_Desig_denovo	12624330	(A/G)
40641	CadSNP16236	<i>Desi</i>	Ca_Desig_denovo	12628690	(C/T)
40642	CadSNP16237	<i>Desi</i>	Ca_Desig_denovo	12629687	(C/T)
40643	CadSNP16238	<i>Desi</i>	Ca_Desig_denovo	12636210	(C/A)
40644	CadSNP16239	<i>Desi</i>	Ca_Desig_denovo	12636241	(T/C)
40645	CadSNP16240	<i>Desi</i>	Ca_Desig_denovo	12638541	(C/T)
40646	CadSNP16241	<i>Desi</i>	Ca_Desig_denovo	12639415	(G/C)
40647	CadSNP16242	<i>Desi</i>	Ca_Desig_denovo	12639445	(A/G)
40648	CadSNP16243	<i>Desi</i>	Ca_Desig_denovo	12640714	(C/G)
40649	CadSNP16244	<i>Desi</i>	Ca_Desig_denovo	12645544	(C/G)
40650	CadSNP16245	<i>Desi</i>	Ca_Desig_denovo	12654278	(C/T)
40651	CadSNP16246	<i>Desi</i>	Ca_Desig_denovo	12658965	(C/T)
40652	CadSNP16247	<i>Desi</i>	Ca_Desig_denovo	12658968	(A/G)
40653	CadSNP16248	<i>Desi</i>	Ca_Desig_denovo	12660027	(G/A)
40654	CadSNP16249	<i>Desi</i>	Ca_Desig_denovo	12660041	(G/A)
40655	CadSNP16250	<i>Desi</i>	Ca_Desig_denovo	12667269	(T/G)
40656	CadSNP16251	<i>Desi</i>	Ca_Desig_denovo	12667279	(G/A)
40657	CadSNP16252	<i>Desi</i>	Ca_Desig_denovo	12667329	(C/G)
40658	CadSNP16253	<i>Desi</i>	Ca_Desig_denovo	12667478	(G/A)
40659	CadSNP16254	<i>Desi</i>	Ca_Desig_denovo	12667501	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40660	CadSNP16255	<i>Desi</i>	Ca_Desig_denovo	12669747	(G/T)
40661	CadSNP16256	<i>Desi</i>	Ca_Desig_denovo	12671561	(A/G)
40662	CadSNP16257	<i>Desi</i>	Ca_Desig_denovo	12672619	(G/T)
40663	CadSNP16258	<i>Desi</i>	Ca_Desig_denovo	12672632	(T/C)
40664	CadSNP16259	<i>Desi</i>	Ca_Desig_denovo	12678639	(G/T)
40665	CadSNP16260	<i>Desi</i>	Ca_Desig_denovo	12678686	(T/G)
40666	CadSNP16261	<i>Desi</i>	Ca_Desig_denovo	12683234	(G/C)
40667	CadSNP16262	<i>Desi</i>	Ca_Desig_denovo	12686610	(A/G)
40668	CadSNP16263	<i>Desi</i>	Ca_Desig_denovo	12696414	(A/G)
40669	CadSNP16264	<i>Desi</i>	Ca_Desig_denovo	12696427	(G/C)
40670	CadSNP16265	<i>Desi</i>	Ca_Desig_denovo	12698230	(A/G)
40671	CadSNP16266	<i>Desi</i>	Ca_Desig_denovo	12704320	(C/G)
40672	CadSNP16267	<i>Desi</i>	Ca_Desig_denovo	12726409	(A/G)
40673	CadSNP16268	<i>Desi</i>	Ca_Desig_denovo	12726439	(G/A)
40674	CadSNP16269	<i>Desi</i>	Ca_Desig_denovo	12730432	(C/T)
40675	CadSNP16270	<i>Desi</i>	Ca_Desig_denovo	12731821	(C/G)
40676	CadSNP16271	<i>Desi</i>	Ca_Desig_denovo	12731884	(C/T)
40677	CadSNP16272	<i>Desi</i>	Ca_Desig_denovo	12732943	(G/A)
40678	CadSNP16273	<i>Desi</i>	Ca_Desig_denovo	12732997	(C/T)
40679	CadSNP16274	<i>Desi</i>	Ca_Desig_denovo	12735809	(T/C)
40680	CadSNP16275	<i>Desi</i>	Ca_Desig_denovo	12740092	(C/T)
40681	CadSNP16276	<i>Desi</i>	Ca_Desig_denovo	12744650	(G/A)
40682	CadSNP16277	<i>Desi</i>	Ca_Desig_denovo	12744665	(T/C)
40683	CadSNP16278	<i>Desi</i>	Ca_Desig_denovo	12767060	(C/T)
40684	CadSNP16279	<i>Desi</i>	Ca_Desig_denovo	12767062	(C/G)
40685	CadSNP16280	<i>Desi</i>	Ca_Desig_denovo	12768785	(G/T)
40686	CadSNP16281	<i>Desi</i>	Ca_Desig_denovo	12787444	(G/C)
40687	CadSNP16282	<i>Desi</i>	Ca_Desig_denovo	12787842	(T/C)
40688	CadSNP16283	<i>Desi</i>	Ca_Desig_denovo	12787863	(G/A)
40689	CadSNP16284	<i>Desi</i>	Ca_Desig_denovo	12791243	(A/G)
40690	CadSNP16285	<i>Desi</i>	Ca_Desig_denovo	12791314	(T/C)
40691	CadSNP16286	<i>Desi</i>	Ca_Desig_denovo	12793927	(G/C)
40692	CadSNP16287	<i>Desi</i>	Ca_Desig_denovo	12795149	(C/G)
40693	CadSNP16288	<i>Desi</i>	Ca_Desig_denovo	12795152	(C/G)
40694	CadSNP16289	<i>Desi</i>	Ca_Desig_denovo	12798932	(C/G)
40695	CadSNP16290	<i>Desi</i>	Ca_Desig_denovo	12798935	(T/C)
40696	CadSNP16291	<i>Desi</i>	Ca_Desig_denovo	12801679	(A/G)
40697	CadSNP16292	<i>Desi</i>	Ca_Desig_denovo	12802333	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40698	CadSNP16293	<i>Desi</i>	Ca_Desig_denovo	12802364	(A/G)
40699	CadSNP16294	<i>Desi</i>	Ca_Desig_denovo	12809924	(C/T)
40700	CadSNP16295	<i>Desi</i>	Ca_Desig_denovo	12809927	(C/T)
40701	CadSNP16296	<i>Desi</i>	Ca_Desig_denovo	12818578	(T/C)
40702	CadSNP16297	<i>Desi</i>	Ca_Desig_denovo	12848015	(C/G)
40703	CadSNP16298	<i>Desi</i>	Ca_Desig_denovo	12854099	(C/G)
40704	CadSNP16299	<i>Desi</i>	Ca_Desig_denovo	12855362	(A/G)
40705	CadSNP16300	<i>Desi</i>	Ca_Desig_denovo	12855377	(G/A)
40706	CadSNP16301	<i>Desi</i>	Ca_Desig_denovo	12855576	(A/C)
40707	CadSNP16302	<i>Desi</i>	Ca_Desig_denovo	12860443	(T/C)
40708	CadSNP16303	<i>Desi</i>	Ca_Desig_denovo	12861034	(G/C)
40709	CadSNP16304	<i>Desi</i>	Ca_Desig_denovo	12865527	(A/C)
40710	CadSNP16305	<i>Desi</i>	Ca_Desig_denovo	12871267	(T/C)
40711	CadSNP16306	<i>Desi</i>	Ca_Desig_denovo	12871276	(G/C)
40712	CadSNP16307	<i>Desi</i>	Ca_Desig_denovo	12874029	(G/C)
40713	CadSNP16308	<i>Desi</i>	Ca_Desig_denovo	12874064	(G/T)
40714	CadSNP16309	<i>Desi</i>	Ca_Desig_denovo	12882761	(A/G)
40715	CadSNP16310	<i>Desi</i>	Ca_Desig_denovo	12882786	(A/G)
40716	CadSNP16311	<i>Desi</i>	Ca_Desig_denovo	12890086	(A/G)
40717	CadSNP16312	<i>Desi</i>	Ca_Desig_denovo	12890102	(C/A)
40718	CadSNP16313	<i>Desi</i>	Ca_Desig_denovo	12893910	(G/A)
40719	CadSNP16314	<i>Desi</i>	Ca_Desig_denovo	12896444	(G/A)
40720	CadSNP16315	<i>Desi</i>	Ca_Desig_denovo	12896456	(G/A)
40721	CadSNP16316	<i>Desi</i>	Ca_Desig_denovo	12910549	(A/T)
40722	CadSNP16317	<i>Desi</i>	Ca_Desig_denovo	12910579	(T/A)
40723	CadSNP16318	<i>Desi</i>	Ca_Desig_denovo	12911894	(A/C)
40724	CadSNP16319	<i>Desi</i>	Ca_Desig_denovo	12916192	(T/C)
40725	CadSNP16320	<i>Desi</i>	Ca_Desig_denovo	12919962	(G/C)
40726	CadSNP16321	<i>Desi</i>	Ca_Desig_denovo	12921099	(C/T)
40727	CadSNP16322	<i>Desi</i>	Ca_Desig_denovo	12921113	(C/T)
40728	CadSNP16323	<i>Desi</i>	Ca_Desig_denovo	12931459	(A/G)
40729	CadSNP16324	<i>Desi</i>	Ca_Desig_denovo	12933454	(A/G)
40730	CadSNP16325	<i>Desi</i>	Ca_Desig_denovo	12946173	(C/T)
40731	CadSNP16326	<i>Desi</i>	Ca_Desig_denovo	12946215	(A/G)
40732	CadSNP16327	<i>Desi</i>	Ca_Desig_denovo	12950091	(G/C)
40733	CadSNP16328	<i>Desi</i>	Ca_Desig_denovo	12950537	(C/G)
40734	CadSNP16329	<i>Desi</i>	Ca_Desig_denovo	12951022	(T/A)
40735	CadSNP16330	<i>Desi</i>	Ca_Desig_denovo	12969457	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40736	CadSNP16331	<i>Desi</i>	Ca_Desig_denovo	12969470	(A/T)
40737	CadSNP16332	<i>Desi</i>	Ca_Desig_denovo	12975130	(T/C)
40738	CadSNP16333	<i>Desi</i>	Ca_Desig_denovo	12975148	(A/C)
40739	CadSNP16334	<i>Desi</i>	Ca_Desig_denovo	12976154	(G/C)
40740	CadSNP16335	<i>Desi</i>	Ca_Desig_denovo	12976172	(T/G)
40741	CadSNP16336	<i>Desi</i>	Ca_Desig_denovo	12979560	(T/G)
40742	CadSNP16337	<i>Desi</i>	Ca_Desig_denovo	12979627	(T/C)
40743	CadSNP16338	<i>Desi</i>	Ca_Desig_denovo	12980735	(A/G)
40744	CadSNP16339	<i>Desi</i>	Ca_Desig_denovo	12982282	(T/C)
40745	CadSNP16340	<i>Desi</i>	Ca_Desig_denovo	12982319	(G/C)
40746	CadSNP16341	<i>Desi</i>	Ca_Desig_denovo	12984264	(C/T)
40747	CadSNP16342	<i>Desi</i>	Ca_Desig_denovo	12993563	(G/A)
40748	CadSNP16343	<i>Desi</i>	Ca_Desig_denovo	12994256	(A/G)
40749	CadSNP16344	<i>Desi</i>	Ca_Desig_denovo	12999891	(C/A)
40750	CadSNP16345	<i>Desi</i>	Ca_Desig_denovo	13000685	(G/T)
40751	CadSNP16346	<i>Desi</i>	Ca_Desig_denovo	13000688	(G/A)
40752	CadSNP16347	<i>Desi</i>	Ca_Desig_denovo	13003621	(C/T)
40753	CadSNP16348	<i>Desi</i>	Ca_Desig_denovo	13003630	(C/G)
40754	CadSNP16349	<i>Desi</i>	Ca_Desig_denovo	13004476	(G/C)
40755	CadSNP16350	<i>Desi</i>	Ca_Desig_denovo	13004515	(G/T)
40756	CadSNP16351	<i>Desi</i>	Ca_Desig_denovo	13004559	(C/G)
40757	CadSNP16352	<i>Desi</i>	Ca_Desig_denovo	13005513	(C/G)
40758	CadSNP16353	<i>Desi</i>	Ca_Desig_denovo	13008858	(T/C)
40759	CadSNP16354	<i>Desi</i>	Ca_Desig_denovo	13011271	(C/T)
40760	CadSNP16355	<i>Desi</i>	Ca_Desig_denovo	13018172	(T/C)
40761	CadSNP16356	<i>Desi</i>	Ca_Desig_denovo	13018180	(G/A)
40762	CadSNP16357	<i>Desi</i>	Ca_Desig_denovo	13022151	(G/C)
40763	CadSNP16358	<i>Desi</i>	Ca_Desig_denovo	13022541	(G/T)
40764	CadSNP16359	<i>Desi</i>	Ca_Desig_denovo	13022549	(C/T)
40765	CadSNP16360	<i>Desi</i>	Ca_Desig_denovo	13022734	(A/G)
40766	CadSNP16361	<i>Desi</i>	Ca_Desig_denovo	13023743	(A/G)
40767	CadSNP16362	<i>Desi</i>	Ca_Desig_denovo	13026506	(C/A)
40768	CadSNP16363	<i>Desi</i>	Ca_Desig_denovo	13026507	(T/G)
40769	CadSNP16364	<i>Desi</i>	Ca_Desig_denovo	13036713	(A/G)
40770	CadSNP16365	<i>Desi</i>	Ca_Desig_denovo	13036773	(C/A)
40771	CadSNP16366	<i>Desi</i>	Ca_Desig_denovo	13045049	(G/A)
40772	CadSNP16367	<i>Desi</i>	Ca_Desig_denovo	13049438	(A/C)
40773	CadSNP16368	<i>Desi</i>	Ca_Desig_denovo	13049456	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40774	CadSNP16369	<i>Desi</i>	Ca_Desig_denovo	13062115	(T/G)
40775	CadSNP16370	<i>Desi</i>	Ca_Desig_denovo	13072649	(A/T)
40776	CadSNP16371	<i>Desi</i>	Ca_Desig_denovo	13073003	(C/A)
40777	CadSNP16372	<i>Desi</i>	Ca_Desig_denovo	13074800	(C/T)
40778	CadSNP16373	<i>Desi</i>	Ca_Desig_denovo	13094629	(T/C)
40779	CadSNP16374	<i>Desi</i>	Ca_Desig_denovo	13094668	(C/T)
40780	CadSNP16375	<i>Desi</i>	Ca_Desig_denovo	13098769	(G/T)
40781	CadSNP16376	<i>Desi</i>	Ca_Desig_denovo	13100587	(C/T)
40782	CadSNP16377	<i>Desi</i>	Ca_Desig_denovo	13101486	(C/T)
40783	CadSNP16378	<i>Desi</i>	Ca_Desig_denovo	13101487	(G/A)
40784	CadSNP16379	<i>Desi</i>	Ca_Desig_denovo	13110175	(T/C)
40785	CadSNP16380	<i>Desi</i>	Ca_Desig_denovo	13110202	(C/G)
40786	CadSNP16381	<i>Desi</i>	Ca_Desig_denovo	13115921	(C/G)
40787	CadSNP16382	<i>Desi</i>	Ca_Desig_denovo	13119899	(G/C)
40788	CadSNP16383	<i>Desi</i>	Ca_Desig_denovo	13127702	(G/A)
40789	CadSNP16384	<i>Desi</i>	Ca_Desig_denovo	13127720	(C/G)
40790	CadSNP16385	<i>Desi</i>	Ca_Desig_denovo	13131983	(G/T)
40791	CadSNP16386	<i>Desi</i>	Ca_Desig_denovo	13131989	(A/C)
40792	CadSNP16387	<i>Desi</i>	Ca_Desig_denovo	13134413	(C/T)
40793	CadSNP16388	<i>Desi</i>	Ca_Desig_denovo	13134482	(A/C)
40794	CadSNP16389	<i>Desi</i>	Ca_Desig_denovo	13134484	(A/T)
40795	CadSNP16390	<i>Desi</i>	Ca_Desig_denovo	13138749	(T/C)
40796	CadSNP16391	<i>Desi</i>	Ca_Desig_denovo	13138756	(C/A)
40797	CadSNP16392	<i>Desi</i>	Ca_Desig_denovo	13139431	(C/T)
40798	CadSNP16393	<i>Desi</i>	Ca_Desig_denovo	13141950	(C/T)
40799	CadSNP16394	<i>Desi</i>	Ca_Desig_denovo	13141958	(C/A)
40800	CadSNP16395	<i>Desi</i>	Ca_Desig_denovo	13143435	(G/C)
40801	CadSNP16396	<i>Desi</i>	Ca_Desig_denovo	13143474	(A/G)
40802	CadSNP16397	<i>Desi</i>	Ca_Desig_denovo	13143484	(C/G)
40803	CadSNP16398	<i>Desi</i>	Ca_Desig_denovo	13154418	(T/C)
40804	CadSNP16399	<i>Desi</i>	Ca_Desig_denovo	13154460	(T/A)
40805	CadSNP16400	<i>Desi</i>	Ca_Desig_denovo	13159355	(C/G)
40806	CadSNP16401	<i>Desi</i>	Ca_Desig_denovo	13159964	(A/C)
40807	CadSNP16402	<i>Desi</i>	Ca_Desig_denovo	13159966	(A/C)
40808	CadSNP16403	<i>Desi</i>	Ca_Desig_denovo	13162590	(C/T)
40809	CadSNP16404	<i>Desi</i>	Ca_Desig_denovo	13167119	(G/T)
40810	CadSNP16405	<i>Desi</i>	Ca_Desig_denovo	13167337	(C/T)
40811	CadSNP16406	<i>Desi</i>	Ca_Desig_denovo	13167367	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40812	CadSNP16407	<i>Desi</i>	Ca_Desig_denovo	13168636	(C/A)
40813	CadSNP16408	<i>Desi</i>	Ca_Desig_denovo	13173238	(A/G)
40814	CadSNP16409	<i>Desi</i>	Ca_Desig_denovo	13176583	(T/C)
40815	CadSNP16410	<i>Desi</i>	Ca_Desig_denovo	13176602	(C/T)
40816	CadSNP16411	<i>Desi</i>	Ca_Desig_denovo	13179706	(T/C)
40817	CadSNP16412	<i>Desi</i>	Ca_Desig_denovo	13181321	(A/G)
40818	CadSNP16413	<i>Desi</i>	Ca_Desig_denovo	13184059	(G/C)
40819	CadSNP16414	<i>Desi</i>	Ca_Desig_denovo	13187997	(T/C)
40820	CadSNP16415	<i>Desi</i>	Ca_Desig_denovo	13190440	(C/G)
40821	CadSNP16416	<i>Desi</i>	Ca_Desig_denovo	13191175	(T/C)
40822	CadSNP16417	<i>Desi</i>	Ca_Desig_denovo	13191182	(G/A)
40823	CadSNP16418	<i>Desi</i>	Ca_Desig_denovo	13192946	(T/A)
40824	CadSNP16419	<i>Desi</i>	Ca_Desig_denovo	13195405	(A/G)
40825	CadSNP16420	<i>Desi</i>	Ca_Desig_denovo	13195443	(A/T)
40826	CadSNP16421	<i>Desi</i>	Ca_Desig_denovo	13196939	(A/G)
40827	CadSNP16422	<i>Desi</i>	Ca_Desig_denovo	13196960	(C/T)
40828	CadSNP16423	<i>Desi</i>	Ca_Desig_denovo	13196963	(A/G)
40829	CadSNP16424	<i>Desi</i>	Ca_Desig_denovo	13198674	(C/G)
40830	CadSNP16425	<i>Desi</i>	Ca_Desig_denovo	13198692	(C/T)
40831	CadSNP16426	<i>Desi</i>	Ca_Desig_denovo	13207272	(G/A)
40832	CadSNP16427	<i>Desi</i>	Ca_Desig_denovo	13207810	(A/G)
40833	CadSNP16428	<i>Desi</i>	Ca_Desig_denovo	13207849	(C/T)
40834	CadSNP16429	<i>Desi</i>	Ca_Desig_denovo	13209644	(T/C)
40835	CadSNP16430	<i>Desi</i>	Ca_Desig_denovo	13218679	(A/C)
40836	CadSNP16431	<i>Desi</i>	Ca_Desig_denovo	13218685	(T/C)
40837	CadSNP16432	<i>Desi</i>	Ca_Desig_denovo	13227520	(T/C)
40838	CadSNP16433	<i>Desi</i>	Ca_Desig_denovo	13227544	(T/C)
40839	CadSNP16434	<i>Desi</i>	Ca_Desig_denovo	13239745	(A/T)
40840	CadSNP16435	<i>Desi</i>	Ca_Desig_denovo	13242674	(G/T)
40841	CadSNP16436	<i>Desi</i>	Ca_Desig_denovo	13244054	(T/A)
40842	CadSNP16437	<i>Desi</i>	Ca_Desig_denovo	13244069	(C/G)
40843	CadSNP16438	<i>Desi</i>	Ca_Desig_denovo	13248080	(G/C)
40844	CadSNP16439	<i>Desi</i>	Ca_Desig_denovo	13251739	(A/G)
40845	CadSNP16440	<i>Desi</i>	Ca_Desig_denovo	13255965	(G/C)
40846	CadSNP16441	<i>Desi</i>	Ca_Desig_denovo	13256649	(T/C)
40847	CadSNP16442	<i>Desi</i>	Ca_Desig_denovo	13259827	(T/C)
40848	CadSNP16443	<i>Desi</i>	Ca_Desig_denovo	13259830	(C/T)
40849	CadSNP16444	<i>Desi</i>	Ca_Desig_denovo	13264334	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40850	CadSNP16445	<i>Desi</i>	Ca_Desig_denovo	13264405	(C/G)
40851	CadSNP16446	<i>Desi</i>	Ca_Desig_denovo	13266277	(C/G)
40852	CadSNP16447	<i>Desi</i>	Ca_Desig_denovo	13266279	(A/G)
40853	CadSNP16448	<i>Desi</i>	Ca_Desig_denovo	13270758	(C/T)
40854	CadSNP16449	<i>Desi</i>	Ca_Desig_denovo	13271767	(T/C)
40855	CadSNP16450	<i>Desi</i>	Ca_Desig_denovo	13271770	(T/C)
40856	CadSNP16451	<i>Desi</i>	Ca_Desig_denovo	13272797	(A/G)
40857	CadSNP16452	<i>Desi</i>	Ca_Desig_denovo	13272826	(C/T)
40858	CadSNP16453	<i>Desi</i>	Ca_Desig_denovo	13273824	(C/T)
40859	CadSNP16454	<i>Desi</i>	Ca_Desig_denovo	13275325	(G/T)
40860	CadSNP16455	<i>Desi</i>	Ca_Desig_denovo	13278758	(A/G)
40861	CadSNP16456	<i>Desi</i>	Ca_Desig_denovo	13279861	(T/A)
40862	CadSNP16457	<i>Desi</i>	Ca_Desig_denovo	13279918	(C/T)
40863	CadSNP16458	<i>Desi</i>	Ca_Desig_denovo	13285163	(T/A)
40864	CadSNP16459	<i>Desi</i>	Ca_Desig_denovo	13290482	(C/G)
40865	CadSNP16460	<i>Desi</i>	Ca_Desig_denovo	13300178	(A/G)
40866	CadSNP16461	<i>Desi</i>	Ca_Desig_denovo	13300180	(G/A)
40867	CadSNP16462	<i>Desi</i>	Ca_Desig_denovo	13302847	(A/G)
40868	CadSNP16463	<i>Desi</i>	Ca_Desig_denovo	13302850	(G/A)
40869	CadSNP16464	<i>Desi</i>	Ca_Desig_denovo	13307946	(C/G)
40870	CadSNP16465	<i>Desi</i>	Ca_Desig_denovo	13313818	(C/G)
40871	CadSNP16466	<i>Desi</i>	Ca_Desig_denovo	13320149	(T/C)
40872	CadSNP16467	<i>Desi</i>	Ca_Desig_denovo	13320173	(C/A)
40873	CadSNP16468	<i>Desi</i>	Ca_Desig_denovo	13323195	(G/A)
40874	CadSNP16469	<i>Desi</i>	Ca_Desig_denovo	13323225	(A/G)
40875	CadSNP16470	<i>Desi</i>	Ca_Desig_denovo	13323246	(A/G)
40876	CadSNP16471	<i>Desi</i>	Ca_Desig_denovo	13324250	(G/C)
40877	CadSNP16472	<i>Desi</i>	Ca_Desig_denovo	13330231	(G/A)
40878	CadSNP16473	<i>Desi</i>	Ca_Desig_denovo	13341187	(T/C)
40879	CadSNP16474	<i>Desi</i>	Ca_Desig_denovo	13344230	(T/C)
40880	CadSNP16475	<i>Desi</i>	Ca_Desig_denovo	13344242	(T/C)
40881	CadSNP16476	<i>Desi</i>	Ca_Desig_denovo	13346665	(A/T)
40882	CadSNP16477	<i>Desi</i>	Ca_Desig_denovo	13354277	(A/G)
40883	CadSNP16478	<i>Desi</i>	Ca_Desig_denovo	13355842	(C/T)
40884	CadSNP16479	<i>Desi</i>	Ca_Desig_denovo	13360706	(T/G)
40885	CadSNP16480	<i>Desi</i>	Ca_Desig_denovo	13363662	(C/G)
40886	CadSNP16481	<i>Desi</i>	Ca_Desig_denovo	13363727	(A/G)
40887	CadSNP16482	<i>Desi</i>	Ca_Desig_denovo	13369445	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40888	CadSNP16483	<i>Desi</i>	Ca_Desig_denovo	13369451	(C/T)
40889	CadSNP16484	<i>Desi</i>	Ca_Desig_denovo	13371668	(A/G)
40890	CadSNP16485	<i>Desi</i>	Ca_Desig_denovo	13371704	(T/A)
40891	CadSNP16486	<i>Desi</i>	Ca_Desig_denovo	13377116	(T/G)
40892	CadSNP16487	<i>Desi</i>	Ca_Desig_denovo	13389067	(T/G)
40893	CadSNP16488	<i>Desi</i>	Ca_Desig_denovo	13397909	(G/A)
40894	CadSNP16489	<i>Desi</i>	Ca_Desig_denovo	13397917	(C/T)
40895	CadSNP16490	<i>Desi</i>	Ca_Desig_denovo	13400100	(T/G)
40896	CadSNP16491	<i>Desi</i>	Ca_Desig_denovo	13400602	(T/C)
40897	CadSNP16492	<i>Desi</i>	Ca_Desig_denovo	13409677	(A/T)
40898	CadSNP16493	<i>Desi</i>	Ca_Desig_denovo	13409692	(A/T)
40899	CadSNP16494	<i>Desi</i>	Ca_Desig_denovo	13409694	(C/G)
40900	CadSNP16495	<i>Desi</i>	Ca_Desig_denovo	13409702	(C/G)
40901	CadSNP16496	<i>Desi</i>	Ca_Desig_denovo	13410811	(T/C)
40902	CadSNP16497	<i>Desi</i>	Ca_Desig_denovo	13410814	(A/G)
40903	CadSNP16498	<i>Desi</i>	Ca_Desig_denovo	13411465	(C/T)
40904	CadSNP16499	<i>Desi</i>	Ca_Desig_denovo	13413437	(G/A)
40905	CadSNP16500	<i>Desi</i>	Ca_Desig_denovo	13413443	(G/C)
40906	CadSNP16501	<i>Desi</i>	Ca_Desig_denovo	13417798	(T/C)
40907	CadSNP16502	<i>Desi</i>	Ca_Desig_denovo	13417807	(G/T)
40908	CadSNP16503	<i>Desi</i>	Ca_Desig_denovo	13424201	(C/G)
40909	CadSNP16504	<i>Desi</i>	Ca_Desig_denovo	13428836	(G/A)
40910	CadSNP16505	<i>Desi</i>	Ca_Desig_denovo	13428892	(T/C)
40911	CadSNP16506	<i>Desi</i>	Ca_Desig_denovo	13433671	(C/T)
40912	CadSNP16507	<i>Desi</i>	Ca_Desig_denovo	13433752	(C/A)
40913	CadSNP16508	<i>Desi</i>	Ca_Desig_denovo	13438699	(T/C)
40914	CadSNP16509	<i>Desi</i>	Ca_Desig_denovo	13438731	(G/A)
40915	CadSNP16510	<i>Desi</i>	Ca_Desig_denovo	13441881	(G/A)
40916	CadSNP16511	<i>Desi</i>	Ca_Desig_denovo	13451472	(G/T)
40917	CadSNP16512	<i>Desi</i>	Ca_Desig_denovo	13451510	(T/A)
40918	CadSNP16513	<i>Desi</i>	Ca_Desig_denovo	13455612	(A/C)
40919	CadSNP16514	<i>Desi</i>	Ca_Desig_denovo	13455613	(G/C)
40920	CadSNP16515	<i>Desi</i>	Ca_Desig_denovo	13460818	(A/C)
40921	CadSNP16516	<i>Desi</i>	Ca_Desig_denovo	13462258	(T/C)
40922	CadSNP16517	<i>Desi</i>	Ca_Desig_denovo	13464749	(C/T)
40923	CadSNP16518	<i>Desi</i>	Ca_Desig_denovo	13473968	(G/A)
40924	CadSNP16519	<i>Desi</i>	Ca_Desig_denovo	13474706	(A/G)
40925	CadSNP16520	<i>Desi</i>	Ca_Desig_denovo	13483294	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40926	CadSNP16521	<i>Desi</i>	Ca_Desig_denovo	13483321	(A/G)
40927	CadSNP16522	<i>Desi</i>	Ca_Desig_denovo	13491923	(T/G)
40928	CadSNP16523	<i>Desi</i>	Ca_Desig_denovo	13491944	(C/T)
40929	CadSNP16524	<i>Desi</i>	Ca_Desig_denovo	13492028	(T/C)
40930	CadSNP16525	<i>Desi</i>	Ca_Desig_denovo	13492069	(A/G)
40931	CadSNP16526	<i>Desi</i>	Ca_Desig_denovo	13492530	(A/C)
40932	CadSNP16527	<i>Desi</i>	Ca_Desig_denovo	13495279	(G/C)
40933	CadSNP16528	<i>Desi</i>	Ca_Desig_denovo	13501775	(T/C)
40934	CadSNP16529	<i>Desi</i>	Ca_Desig_denovo	13505224	(C/G)
40935	CadSNP16530	<i>Desi</i>	Ca_Desig_denovo	13509286	(A/G)
40936	CadSNP16531	<i>Desi</i>	Ca_Desig_denovo	13512817	(G/A)
40937	CadSNP16532	<i>Desi</i>	Ca_Desig_denovo	13512856	(C/G)
40938	CadSNP16533	<i>Desi</i>	Ca_Desig_denovo	13517467	(T/C)
40939	CadSNP16534	<i>Desi</i>	Ca_Desig_denovo	13517497	(C/G)
40940	CadSNP16535	<i>Desi</i>	Ca_Desig_denovo	13523237	(C/T)
40941	CadSNP16536	<i>Desi</i>	Ca_Desig_denovo	13531327	(A/G)
40942	CadSNP16537	<i>Desi</i>	Ca_Desig_denovo	13532815	(A/G)
40943	CadSNP16538	<i>Desi</i>	Ca_Desig_denovo	13539583	(T/C)
40944	CadSNP16539	<i>Desi</i>	Ca_Desig_denovo	13545691	(C/T)
40945	CadSNP16540	<i>Desi</i>	Ca_Desig_denovo	13547603	(G/A)
40946	CadSNP16541	<i>Desi</i>	Ca_Desig_denovo	13563977	(C/T)
40947	CadSNP16542	<i>Desi</i>	Ca_Desig_denovo	13565485	(T/C)
40948	CadSNP16543	<i>Desi</i>	Ca_Desig_denovo	13567988	(C/G)
40949	CadSNP16544	<i>Desi</i>	Ca_Desig_denovo	13569482	(A/G)
40950	CadSNP16545	<i>Desi</i>	Ca_Desig_denovo	13569519	(A/G)
40951	CadSNP16546	<i>Desi</i>	Ca_Desig_denovo	13572350	(A/G)
40952	CadSNP16547	<i>Desi</i>	Ca_Desig_denovo	13577596	(A/G)
40953	CadSNP16548	<i>Desi</i>	Ca_Desig_denovo	13580004	(C/A)
40954	CadSNP16549	<i>Desi</i>	Ca_Desig_denovo	13581013	(A/G)
40955	CadSNP16550	<i>Desi</i>	Ca_Desig_denovo	13581035	(C/T)
40956	CadSNP16551	<i>Desi</i>	Ca_Desig_denovo	13581407	(A/G)
40957	CadSNP16552	<i>Desi</i>	Ca_Desig_denovo	13586589	(T/C)
40958	CadSNP16553	<i>Desi</i>	Ca_Desig_denovo	13586591	(T/G)
40959	CadSNP16554	<i>Desi</i>	Ca_Desig_denovo	13592813	(G/T)
40960	CadSNP16555	<i>Desi</i>	Ca_Desig_denovo	13595291	(A/G)
40961	CadSNP16556	<i>Desi</i>	Ca_Desig_denovo	13597917	(G/C)
40962	CadSNP16557	<i>Desi</i>	Ca_Desig_denovo	13620217	(G/C)
40963	CadSNP16558	<i>Desi</i>	Ca_Desig_denovo	13625728	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
40964	CadSNP16559	<i>Desi</i>	Ca_Desig_denovo	13628971	(A/C)
40965	CadSNP16560	<i>Desi</i>	Ca_Desig_denovo	13636064	(G/A)
40966	CadSNP16561	<i>Desi</i>	Ca_Desig_denovo	13636072	(A/G)
40967	CadSNP16562	<i>Desi</i>	Ca_Desig_denovo	13644730	(T/C)
40968	CadSNP16563	<i>Desi</i>	Ca_Desig_denovo	13644757	(T/C)
40969	CadSNP16564	<i>Desi</i>	Ca_Desig_denovo	13646377	(G/C)
40970	CadSNP16565	<i>Desi</i>	Ca_Desig_denovo	13650204	(G/C)
40971	CadSNP16566	<i>Desi</i>	Ca_Desig_denovo	13656259	(G/A)
40972	CadSNP16567	<i>Desi</i>	Ca_Desig_denovo	13656265	(C/T)
40973	CadSNP16568	<i>Desi</i>	Ca_Desig_denovo	13657527	(C/G)
40974	CadSNP16569	<i>Desi</i>	Ca_Desig_denovo	13657941	(G/C)
40975	CadSNP16570	<i>Desi</i>	Ca_Desig_denovo	13657955	(C/G)
40976	CadSNP16571	<i>Desi</i>	Ca_Desig_denovo	13669150	(T/C)
40977	CadSNP16572	<i>Desi</i>	Ca_Desig_denovo	13669185	(T/C)
40978	CadSNP16573	<i>Desi</i>	Ca_Desig_denovo	13673474	(C/G)
40979	CadSNP16574	<i>Desi</i>	Ca_Desig_denovo	13673480	(C/G)
40980	CadSNP16575	<i>Desi</i>	Ca_Desig_denovo	13685951	(T/G)
40981	CadSNP16576	<i>Desi</i>	Ca_Desig_denovo	13685972	(C/T)
40982	CadSNP16577	<i>Desi</i>	Ca_Desig_denovo	13689983	(G/T)
40983	CadSNP16578	<i>Desi</i>	Ca_Desig_denovo	13690616	(A/C)
40984	CadSNP16579	<i>Desi</i>	Ca_Desig_denovo	13693340	(C/T)
40985	CadSNP16580	<i>Desi</i>	Ca_Desig_denovo	13709632	(G/C)
40986	CadSNP16581	<i>Desi</i>	Ca_Desig_denovo	13709674	(A/C)
40987	CadSNP16582	<i>Desi</i>	Ca_Desig_denovo	13711888	(C/A)
40988	CadSNP16583	<i>Desi</i>	Ca_Desig_denovo	13711897	(T/C)
40989	CadSNP16584	<i>Desi</i>	Ca_Desig_denovo	13715426	(G/A)
40990	CadSNP16585	<i>Desi</i>	Ca_Desig_denovo	13715455	(G/A)
40991	CadSNP16586	<i>Desi</i>	Ca_Desig_denovo	13718627	(T/C)
40992	CadSNP16587	<i>Desi</i>	Ca_Desig_denovo	13718676	(G/C)
40993	CadSNP16588	<i>Desi</i>	Ca_Desig_denovo	13718680	(C/T)
40994	CadSNP16589	<i>Desi</i>	Ca_Desig_denovo	13722890	(A/C)
40995	CadSNP16590	<i>Desi</i>	Ca_Desig_denovo	13722891	(G/T)
40996	CadSNP16591	<i>Desi</i>	Ca_Desig_denovo	13722892	(A/G)
40997	CadSNP16592	<i>Desi</i>	Ca_Desig_denovo	13731140	(T/C)
40998	CadSNP16593	<i>Desi</i>	Ca_Desig_denovo	13731146	(T/G)
40999	CadSNP16594	<i>Desi</i>	Ca_Desig_denovo	13734082	(C/G)
41000	CadSNP16595	<i>Desi</i>	Ca_Desig_denovo	13738803	(C/T)
41001	CadSNP16596	<i>Desi</i>	Ca_Desig_denovo	13740120	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41002	CadSNP16597	<i>Desi</i>	Ca_Desig_denovo	13740126	(G/C)
41003	CadSNP16598	<i>Desi</i>	Ca_Desig_denovo	13753433	(G/C)
41004	CadSNP16599	<i>Desi</i>	Ca_Desig_denovo	13753464	(A/G)
41005	CadSNP16600	<i>Desi</i>	Ca_Desig_denovo	13754407	(A/G)
41006	CadSNP16601	<i>Desi</i>	Ca_Desig_denovo	13754419	(G/C)
41007	CadSNP16602	<i>Desi</i>	Ca_Desig_denovo	13754567	(G/A)
41008	CadSNP16603	<i>Desi</i>	Ca_Desig_denovo	13754575	(C/T)
41009	CadSNP16604	<i>Desi</i>	Ca_Desig_denovo	13754971	(C/T)
41010	CadSNP16605	<i>Desi</i>	Ca_Desig_denovo	13754977	(A/G)
41011	CadSNP16606	<i>Desi</i>	Ca_Desig_denovo	13765038	(C/T)
41012	CadSNP16607	<i>Desi</i>	Ca_Desig_denovo	13765106	(T/C)
41013	CadSNP16608	<i>Desi</i>	Ca_Desig_denovo	13769434	(A/G)
41014	CadSNP16609	<i>Desi</i>	Ca_Desig_denovo	13770268	(T/G)
41015	CadSNP16610	<i>Desi</i>	Ca_Desig_denovo	13770919	(C/T)
41016	CadSNP16611	<i>Desi</i>	Ca_Desig_denovo	13777521	(G/T)
41017	CadSNP16612	<i>Desi</i>	Ca_Desig_denovo	13777561	(G/A)
41018	CadSNP16613	<i>Desi</i>	Ca_Desig_denovo	13782913	(T/C)
41019	CadSNP16614	<i>Desi</i>	Ca_Desig_denovo	13782952	(G/T)
41020	CadSNP16615	<i>Desi</i>	Ca_Desig_denovo	13808579	(G/T)
41021	CadSNP16616	<i>Desi</i>	Ca_Desig_denovo	13810723	(T/C)
41022	CadSNP16617	<i>Desi</i>	Ca_Desig_denovo	13810744	(C/T)
41023	CadSNP16618	<i>Desi</i>	Ca_Desig_denovo	13812257	(A/G)
41024	CadSNP16619	<i>Desi</i>	Ca_Desig_denovo	13818338	(T/C)
41025	CadSNP16620	<i>Desi</i>	Ca_Desig_denovo	13818382	(A/G)
41026	CadSNP16621	<i>Desi</i>	Ca_Desig_denovo	13818383	(A/G)
41027	CadSNP16622	<i>Desi</i>	Ca_Desig_denovo	13818389	(C/G)
41028	CadSNP16623	<i>Desi</i>	Ca_Desig_denovo	13822811	(C/T)
41029	CadSNP16624	<i>Desi</i>	Ca_Desig_denovo	13822841	(A/T)
41030	CadSNP16625	<i>Desi</i>	Ca_Desig_denovo	13827908	(G/A)
41031	CadSNP16626	<i>Desi</i>	Ca_Desig_denovo	13827959	(G/C)
41032	CadSNP16627	<i>Desi</i>	Ca_Desig_denovo	13830378	(C/G)
41033	CadSNP16628	<i>Desi</i>	Ca_Desig_denovo	13830810	(C/T)
41034	CadSNP16629	<i>Desi</i>	Ca_Desig_denovo	13833770	(T/C)
41035	CadSNP16630	<i>Desi</i>	Ca_Desig_denovo	13833815	(C/T)
41036	CadSNP16631	<i>Desi</i>	Ca_Desig_denovo	13836642	(T/C)
41037	CadSNP16632	<i>Desi</i>	Ca_Desig_denovo	13836712	(A/G)
41038	CadSNP16633	<i>Desi</i>	Ca_Desig_denovo	13845137	(A/G)
41039	CadSNP16634	<i>Desi</i>	Ca_Desig_denovo	13845152	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41040	CadSNP16635	<i>Desi</i>	Ca_Desig_denovo	13847148	(G/C)
41041	CadSNP16636	<i>Desi</i>	Ca_Desig_denovo	13847207	(A/G)
41042	CadSNP16637	<i>Desi</i>	Ca_Desig_denovo	13855100	(T/G)
41043	CadSNP16638	<i>Desi</i>	Ca_Desig_denovo	13859266	(A/G)
41044	CadSNP16639	<i>Desi</i>	Ca_Desig_denovo	13859281	(A/G)
41045	CadSNP16640	<i>Desi</i>	Ca_Desig_denovo	13869768	(C/T)
41046	CadSNP16641	<i>Desi</i>	Ca_Desig_denovo	13869778	(A/G)
41047	CadSNP16642	<i>Desi</i>	Ca_Desig_denovo	13876396	(T/C)
41048	CadSNP16643	<i>Desi</i>	Ca_Desig_denovo	13878051	(C/T)
41049	CadSNP16644	<i>Desi</i>	Ca_Desig_denovo	13880332	(A/C)
41050	CadSNP16645	<i>Desi</i>	Ca_Desig_denovo	13890516	(G/C)
41051	CadSNP16646	<i>Desi</i>	Ca_Desig_denovo	13894307	(G/A)
41052	CadSNP16647	<i>Desi</i>	Ca_Desig_denovo	13894380	(T/A)
41053	CadSNP16648	<i>Desi</i>	Ca_Desig_denovo	13900718	(C/T)
41054	CadSNP16649	<i>Desi</i>	Ca_Desig_denovo	13900733	(G/C)
41055	CadSNP16650	<i>Desi</i>	Ca_Desig_denovo	13903520	(G/C)
41056	CadSNP16651	<i>Desi</i>	Ca_Desig_denovo	13903559	(C/T)
41057	CadSNP16652	<i>Desi</i>	Ca_Desig_denovo	13906769	(T/C)
41058	CadSNP16653	<i>Desi</i>	Ca_Desig_denovo	13908746	(T/C)
41059	CadSNP16654	<i>Desi</i>	Ca_Desig_denovo	13908904	(T/C)
41060	CadSNP16655	<i>Desi</i>	Ca_Desig_denovo	13908940	(C/T)
41061	CadSNP16656	<i>Desi</i>	Ca_Desig_denovo	13911512	(A/G)
41062	CadSNP16657	<i>Desi</i>	Ca_Desig_denovo	13912024	(G/T)
41063	CadSNP16658	<i>Desi</i>	Ca_Desig_denovo	13913108	(T/C)
41064	CadSNP16659	<i>Desi</i>	Ca_Desig_denovo	13913135	(C/G)
41065	CadSNP16660	<i>Desi</i>	Ca_Desig_denovo	13923412	(T/C)
41066	CadSNP16661	<i>Desi</i>	Ca_Desig_denovo	13923439	(C/T)
41067	CadSNP16662	<i>Desi</i>	Ca_Desig_denovo	13933943	(C/T)
41068	CadSNP16663	<i>Desi</i>	Ca_Desig_denovo	13934003	(C/T)
41069	CadSNP16664	<i>Desi</i>	Ca_Desig_denovo	13937382	(G/A)
41070	CadSNP16665	<i>Desi</i>	Ca_Desig_denovo	13937437	(C/G)
41071	CadSNP16666	<i>Desi</i>	Ca_Desig_denovo	13940459	(A/G)
41072	CadSNP16667	<i>Desi</i>	Ca_Desig_denovo	13940465	(C/T)
41073	CadSNP16668	<i>Desi</i>	Ca_Desig_denovo	13941460	(A/G)
41074	CadSNP16669	<i>Desi</i>	Ca_Desig_denovo	13962662	(G/A)
41075	CadSNP16670	<i>Desi</i>	Ca_Desig_denovo	13962679	(C/T)
41076	CadSNP16671	<i>Desi</i>	Ca_Desig_denovo	13964626	(C/A)
41077	CadSNP16672	<i>Desi</i>	Ca_Desig_denovo	13966624	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41078	CadSNP16673	<i>Desi</i>	Ca_Desig_denovo	13970583	(C/T)
41079	CadSNP16674	<i>Desi</i>	Ca_Desig_denovo	13970620	(T/C)
41080	CadSNP16675	<i>Desi</i>	Ca_Desig_denovo	13988316	(T/G)
41081	CadSNP16676	<i>Desi</i>	Ca_Desig_denovo	13988368	(G/A)
41082	CadSNP16677	<i>Desi</i>	Ca_Desig_denovo	13988392	(T/C)
41083	CadSNP16678	<i>Desi</i>	Ca_Desig_denovo	13994214	(T/C)
41084	CadSNP16679	<i>Desi</i>	Ca_Desig_denovo	13999300	(G/C)
41085	CadSNP16680	<i>Desi</i>	Ca_Desig_denovo	13999375	(T/C)
41086	CadSNP16681	<i>Desi</i>	Ca_Desig_denovo	14016547	(G/A)
41087	CadSNP16682	<i>Desi</i>	Ca_Desig_denovo	14018204	(C/A)
41088	CadSNP16683	<i>Desi</i>	Ca_Desig_denovo	14018213	(G/C)
41089	CadSNP16684	<i>Desi</i>	Ca_Desig_denovo	14025531	(G/T)
41090	CadSNP16685	<i>Desi</i>	Ca_Desig_denovo	14025550	(G/A)
41091	CadSNP16686	<i>Desi</i>	Ca_Desig_denovo	14029797	(A/T)
41092	CadSNP16687	<i>Desi</i>	Ca_Desig_denovo	14036816	(T/C)
41093	CadSNP16688	<i>Desi</i>	Ca_Desig_denovo	14039870	(C/T)
41094	CadSNP16689	<i>Desi</i>	Ca_Desig_denovo	14039883	(A/G)
41095	CadSNP16690	<i>Desi</i>	Ca_Desig_denovo	14040005	(T/G)
41096	CadSNP16691	<i>Desi</i>	Ca_Desig_denovo	14046996	(C/T)
41097	CadSNP16692	<i>Desi</i>	Ca_Desig_denovo	14049281	(A/G)
41098	CadSNP16693	<i>Desi</i>	Ca_Desig_denovo	14052130	(G/C)
41099	CadSNP16694	<i>Desi</i>	Ca_Desig_denovo	14065915	(A/C)
41100	CadSNP16695	<i>Desi</i>	Ca_Desig_denovo	14065933	(C/G)
41101	CadSNP16696	<i>Desi</i>	Ca_Desig_denovo	14066027	(G/A)
41102	CadSNP16697	<i>Desi</i>	Ca_Desig_denovo	14067465	(T/C)
41103	CadSNP16698	<i>Desi</i>	Ca_Desig_denovo	14067507	(A/C)
41104	CadSNP16699	<i>Desi</i>	Ca_Desig_denovo	14077075	(G/T)
41105	CadSNP16700	<i>Desi</i>	Ca_Desig_denovo	14081852	(T/C)
41106	CadSNP16701	<i>Desi</i>	Ca_Desig_denovo	14082828	(T/C)
41107	CadSNP16702	<i>Desi</i>	Ca_Desig_denovo	14088964	(A/G)
41108	CadSNP16703	<i>Desi</i>	Ca_Desig_denovo	14088965	(C/A)
41109	CadSNP16704	<i>Desi</i>	Ca_Desig_denovo	14094722	(G/A)
41110	CadSNP16705	<i>Desi</i>	Ca_Desig_denovo	14097718	(T/C)
41111	CadSNP16706	<i>Desi</i>	Ca_Desig_denovo	14098893	(A/C)
41112	CadSNP16707	<i>Desi</i>	Ca_Desig_denovo	14098894	(A/G)
41113	CadSNP16708	<i>Desi</i>	Ca_Desig_denovo	14107096	(T/A)
41114	CadSNP16709	<i>Desi</i>	Ca_Desig_denovo	14107126	(G/A)
41115	CadSNP16710	<i>Desi</i>	Ca_Desig_denovo	14108387	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41116	CadSNP16711	<i>Desi</i>	Ca_Desig_denovo	14108405	(A/G)
41117	CadSNP16712	<i>Desi</i>	Ca_Desig_denovo	14111489	(G/A)
41118	CadSNP16713	<i>Desi</i>	Ca_Desig_denovo	14124409	(C/T)
41119	CadSNP16714	<i>Desi</i>	Ca_Desig_denovo	14130911	(G/A)
41120	CadSNP16715	<i>Desi</i>	Ca_Desig_denovo	14133705	(G/A)
41121	CadSNP16716	<i>Desi</i>	Ca_Desig_denovo	14133706	(G/A)
41122	CadSNP16717	<i>Desi</i>	Ca_Desig_denovo	14137923	(G/A)
41123	CadSNP16718	<i>Desi</i>	Ca_Desig_denovo	14137953	(G/A)
41124	CadSNP16719	<i>Desi</i>	Ca_Desig_denovo	14140910	(C/T)
41125	CadSNP16720	<i>Desi</i>	Ca_Desig_denovo	14144037	(T/C)
41126	CadSNP16721	<i>Desi</i>	Ca_Desig_denovo	14150794	(T/C)
41127	CadSNP16722	<i>Desi</i>	Ca_Desig_denovo	14150797	(G/C)
41128	CadSNP16723	<i>Desi</i>	Ca_Desig_denovo	14153242	(A/T)
41129	CadSNP16724	<i>Desi</i>	Ca_Desig_denovo	14155648	(C/T)
41130	CadSNP16725	<i>Desi</i>	Ca_Desig_denovo	14158529	(C/A)
41131	CadSNP16726	<i>Desi</i>	Ca_Desig_denovo	14158595	(A/G)
41132	CadSNP16727	<i>Desi</i>	Ca_Desig_denovo	14160033	(C/G)
41133	CadSNP16728	<i>Desi</i>	Ca_Desig_denovo	14160058	(C/T)
41134	CadSNP16729	<i>Desi</i>	Ca_Desig_denovo	14168540	(G/A)
41135	CadSNP16730	<i>Desi</i>	Ca_Desig_denovo	14171368	(G/A)
41136	CadSNP16731	<i>Desi</i>	Ca_Desig_denovo	14173029	(A/G)
41137	CadSNP16732	<i>Desi</i>	Ca_Desig_denovo	14173049	(A/G)
41138	CadSNP16733	<i>Desi</i>	Ca_Desig_denovo	14173050	(C/G)
41139	CadSNP16734	<i>Desi</i>	Ca_Desig_denovo	14182603	(G/C)
41140	CadSNP16735	<i>Desi</i>	Ca_Desig_denovo	14182622	(C/G)
41141	CadSNP16736	<i>Desi</i>	Ca_Desig_denovo	14183660	(A/G)
41142	CadSNP16737	<i>Desi</i>	Ca_Desig_denovo	14183703	(G/A)
41143	CadSNP16738	<i>Desi</i>	Ca_Desig_denovo	14185025	(T/C)
41144	CadSNP16739	<i>Desi</i>	Ca_Desig_denovo	14185070	(A/G)
41145	CadSNP16740	<i>Desi</i>	Ca_Desig_denovo	14185325	(A/G)
41146	CadSNP16741	<i>Desi</i>	Ca_Desig_denovo	14186738	(G/A)
41147	CadSNP16742	<i>Desi</i>	Ca_Desig_denovo	14188093	(C/G)
41148	CadSNP16743	<i>Desi</i>	Ca_Desig_denovo	14188142	(A/G)
41149	CadSNP16744	<i>Desi</i>	Ca_Desig_denovo	14206047	(T/C)
41150	CadSNP16745	<i>Desi</i>	Ca_Desig_denovo	14216867	(A/G)
41151	CadSNP16746	<i>Desi</i>	Ca_Desig_denovo	14216869	(T/C)
41152	CadSNP16747	<i>Desi</i>	Ca_Desig_denovo	14223579	(G/C)
41153	CadSNP16748	<i>Desi</i>	Ca_Desig_denovo	14223606	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41154	CadSNP16749	<i>Desi</i>	Ca_Desig_denovo	14230927	(A/G)
41155	CadSNP16750	<i>Desi</i>	Ca_Desig_denovo	14239355	(A/G)
41156	CadSNP16751	<i>Desi</i>	Ca_Desig_denovo	14239367	(G/A)
41157	CadSNP16752	<i>Desi</i>	Ca_Desig_denovo	14242779	(C/A)
41158	CadSNP16753	<i>Desi</i>	Ca_Desig_denovo	14245308	(C/T)
41159	CadSNP16754	<i>Desi</i>	Ca_Desig_denovo	14246214	(C/T)
41160	CadSNP16755	<i>Desi</i>	Ca_Desig_denovo	14255161	(G/C)
41161	CadSNP16756	<i>Desi</i>	Ca_Desig_denovo	14260444	(A/G)
41162	CadSNP16757	<i>Desi</i>	Ca_Desig_denovo	14260504	(C/T)
41163	CadSNP16758	<i>Desi</i>	Ca_Desig_denovo	14260907	(A/G)
41164	CadSNP16759	<i>Desi</i>	Ca_Desig_denovo	14260916	(T/C)
41165	CadSNP16760	<i>Desi</i>	Ca_Desig_denovo	14281108	(C/G)
41166	CadSNP16761	<i>Desi</i>	Ca_Desig_denovo	14284905	(C/T)
41167	CadSNP16762	<i>Desi</i>	Ca_Desig_denovo	14284944	(A/G)
41168	CadSNP16763	<i>Desi</i>	Ca_Desig_denovo	14285427	(T/G)
41169	CadSNP16764	<i>Desi</i>	Ca_Desig_denovo	14288177	(G/A)
41170	CadSNP16765	<i>Desi</i>	Ca_Desig_denovo	14289285	(A/G)
41171	CadSNP16766	<i>Desi</i>	Ca_Desig_denovo	14291892	(G/C)
41172	CadSNP16767	<i>Desi</i>	Ca_Desig_denovo	14292625	(C/T)
41173	CadSNP16768	<i>Desi</i>	Ca_Desig_denovo	14292674	(G/T)
41174	CadSNP16769	<i>Desi</i>	Ca_Desig_denovo	14294873	(T/A)
41175	CadSNP16770	<i>Desi</i>	Ca_Desig_denovo	14299936	(G/A)
41176	CadSNP16771	<i>Desi</i>	Ca_Desig_denovo	14299958	(A/C)
41177	CadSNP16772	<i>Desi</i>	Ca_Desig_denovo	14299960	(A/C)
41178	CadSNP16773	<i>Desi</i>	Ca_Desig_denovo	14302767	(G/T)
41179	CadSNP16774	<i>Desi</i>	Ca_Desig_denovo	14302785	(C/T)
41180	CadSNP16775	<i>Desi</i>	Ca_Desig_denovo	14305750	(C/T)
41181	CadSNP16776	<i>Desi</i>	Ca_Desig_denovo	14311779	(G/T)
41182	CadSNP16777	<i>Desi</i>	Ca_Desig_denovo	14311827	(C/T)
41183	CadSNP16778	<i>Desi</i>	Ca_Desig_denovo	14313265	(C/T)
41184	CadSNP16779	<i>Desi</i>	Ca_Desig_denovo	14321681	(C/G)
41185	CadSNP16780	<i>Desi</i>	Ca_Desig_denovo	14323900	(C/T)
41186	CadSNP16781	<i>Desi</i>	Ca_Desig_denovo	14325450	(A/G)
41187	CadSNP16782	<i>Desi</i>	Ca_Desig_denovo	14325519	(A/G)
41188	CadSNP16783	<i>Desi</i>	Ca_Desig_denovo	14330833	(T/C)
41189	CadSNP16784	<i>Desi</i>	Ca_Desig_denovo	14335088	(T/C)
41190	CadSNP16785	<i>Desi</i>	Ca_Desig_denovo	14335395	(A/T)
41191	CadSNP16786	<i>Desi</i>	Ca_Desig_denovo	14335416	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41192	CadSNP16787	<i>Desi</i>	Ca_Desig_denovo	14340517	(A/G)
41193	CadSNP16788	<i>Desi</i>	Ca_Desig_denovo	14350382	(G/C)
41194	CadSNP16789	<i>Desi</i>	Ca_Desig_denovo	14350418	(G/A)
41195	CadSNP16790	<i>Desi</i>	Ca_Desig_denovo	14350691	(C/T)
41196	CadSNP16791	<i>Desi</i>	Ca_Desig_denovo	14358656	(C/T)
41197	CadSNP16792	<i>Desi</i>	Ca_Desig_denovo	14358713	(G/A)
41198	CadSNP16793	<i>Desi</i>	Ca_Desig_denovo	14360911	(C/T)
41199	CadSNP16794	<i>Desi</i>	Ca_Desig_denovo	14363316	(C/G)
41200	CadSNP16795	<i>Desi</i>	Ca_Desig_denovo	14367842	(A/G)
41201	CadSNP16796	<i>Desi</i>	Ca_Desig_denovo	14373671	(T/C)
41202	CadSNP16797	<i>Desi</i>	Ca_Desig_denovo	14375968	(T/C)
41203	CadSNP16798	<i>Desi</i>	Ca_Desig_denovo	14391884	(T/C)
41204	CadSNP16799	<i>Desi</i>	Ca_Desig_denovo	14391900	(A/G)
41205	CadSNP16800	<i>Desi</i>	Ca_Desig_denovo	14397713	(A/G)
41206	CadSNP16801	<i>Desi</i>	Ca_Desig_denovo	14397775	(C/T)
41207	CadSNP16802	<i>Desi</i>	Ca_Desig_denovo	14406286	(A/G)
41208	CadSNP16803	<i>Desi</i>	Ca_Desig_denovo	14406326	(G/A)
41209	CadSNP16804	<i>Desi</i>	Ca_Desig_denovo	14406460	(T/C)
41210	CadSNP16805	<i>Desi</i>	Ca_Desig_denovo	14408063	(G/A)
41211	CadSNP16806	<i>Desi</i>	Ca_Desig_denovo	14408245	(T/C)
41212	CadSNP16807	<i>Desi</i>	Ca_Desig_denovo	14415472	(C/A)
41213	CadSNP16808	<i>Desi</i>	Ca_Desig_denovo	14418214	(T/C)
41214	CadSNP16809	<i>Desi</i>	Ca_Desig_denovo	14418229	(G/T)
41215	CadSNP16810	<i>Desi</i>	Ca_Desig_denovo	14423445	(G/A)
41216	CadSNP16811	<i>Desi</i>	Ca_Desig_denovo	14423836	(A/C)
41217	CadSNP16812	<i>Desi</i>	Ca_Desig_denovo	14427570	(A/G)
41218	CadSNP16813	<i>Desi</i>	Ca_Desig_denovo	14430846	(A/G)
41219	CadSNP16814	<i>Desi</i>	Ca_Desig_denovo	14432524	(T/G)
41220	CadSNP16815	<i>Desi</i>	Ca_Desig_denovo	14437698	(G/C)
41221	CadSNP16816	<i>Desi</i>	Ca_Desig_denovo	14437713	(A/G)
41222	CadSNP16817	<i>Desi</i>	Ca_Desig_denovo	14441285	(G/A)
41223	CadSNP16818	<i>Desi</i>	Ca_Desig_denovo	14443872	(C/A)
41224	CadSNP16819	<i>Desi</i>	Ca_Desig_denovo	14451173	(A/G)
41225	CadSNP16820	<i>Desi</i>	Ca_Desig_denovo	14461049	(G/T)
41226	CadSNP16821	<i>Desi</i>	Ca_Desig_denovo	14461807	(C/T)
41227	CadSNP16822	<i>Desi</i>	Ca_Desig_denovo	14461829	(G/A)
41228	CadSNP16823	<i>Desi</i>	Ca_Desig_denovo	14468133	(G/A)
41229	CadSNP16824	<i>Desi</i>	Ca_Desig_denovo	14468145	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41230	CadSNP16825	<i>Desi</i>	Ca_Desig_denovo	14471509	(T/C)
41231	CadSNP16826	<i>Desi</i>	Ca_Desig_denovo	14471525	(T/C)
41232	CadSNP16827	<i>Desi</i>	Ca_Desig_denovo	14474535	(C/G)
41233	CadSNP16828	<i>Desi</i>	Ca_Desig_denovo	14474565	(A/G)
41234	CadSNP16829	<i>Desi</i>	Ca_Desig_denovo	14477409	(C/G)
41235	CadSNP16830	<i>Desi</i>	Ca_Desig_denovo	14481293	(C/T)
41236	CadSNP16831	<i>Desi</i>	Ca_Desig_denovo	14482531	(G/C)
41237	CadSNP16832	<i>Desi</i>	Ca_Desig_denovo	14482600	(G/C)
41238	CadSNP16833	<i>Desi</i>	Ca_Desig_denovo	14488115	(C/T)
41239	CadSNP16834	<i>Desi</i>	Ca_Desig_denovo	14492129	(A/G)
41240	CadSNP16835	<i>Desi</i>	Ca_Desig_denovo	14493135	(C/G)
41241	CadSNP16836	<i>Desi</i>	Ca_Desig_denovo	14493797	(C/T)
41242	CadSNP16837	<i>Desi</i>	Ca_Desig_denovo	14495465	(A/C)
41243	CadSNP16838	<i>Desi</i>	Ca_Desig_denovo	14495516	(T/C)
41244	CadSNP16839	<i>Desi</i>	Ca_Desig_denovo	14496551	(A/G)
41245	CadSNP16840	<i>Desi</i>	Ca_Desig_denovo	14498115	(C/G)
41246	CadSNP16841	<i>Desi</i>	Ca_Desig_denovo	14505219	(G/A)
41247	CadSNP16842	<i>Desi</i>	Ca_Desig_denovo	14505221	(T/A)
41248	CadSNP16843	<i>Desi</i>	Ca_Desig_denovo	14512763	(A/C)
41249	CadSNP16844	<i>Desi</i>	Ca_Desig_denovo	14517699	(A/G)
41250	CadSNP16845	<i>Desi</i>	Ca_Desig_denovo	14524877	(A/G)
41251	CadSNP16846	<i>Desi</i>	Ca_Desig_denovo	14524920	(A/C)
41252	CadSNP16847	<i>Desi</i>	Ca_Desig_denovo	14530004	(A/G)
41253	CadSNP16848	<i>Desi</i>	Ca_Desig_denovo	14530050	(G/T)
41254	CadSNP16849	<i>Desi</i>	Ca_Desig_denovo	14530574	(T/C)
41255	CadSNP16850	<i>Desi</i>	Ca_Desig_denovo	14531645	(A/T)
41256	CadSNP16851	<i>Desi</i>	Ca_Desig_denovo	14535445	(T/C)
41257	CadSNP16852	<i>Desi</i>	Ca_Desig_denovo	14535786	(A/G)
41258	CadSNP16853	<i>Desi</i>	Ca_Desig_denovo	14536465	(G/T)
41259	CadSNP16854	<i>Desi</i>	Ca_Desig_denovo	14536483	(G/A)
41260	CadSNP16855	<i>Desi</i>	Ca_Desig_denovo	14547634	(C/G)
41261	CadSNP16856	<i>Desi</i>	Ca_Desig_denovo	14552033	(C/G)
41262	CadSNP16857	<i>Desi</i>	Ca_Desig_denovo	14552852	(T/C)
41263	CadSNP16858	<i>Desi</i>	Ca_Desig_denovo	14563183	(C/G)
41264	CadSNP16859	<i>Desi</i>	Ca_Desig_denovo	14563196	(T/C)
41265	CadSNP16860	<i>Desi</i>	Ca_Desig_denovo	14565326	(C/T)
41266	CadSNP16861	<i>Desi</i>	Ca_Desig_denovo	14576252	(C/T)
41267	CadSNP16862	<i>Desi</i>	Ca_Desig_denovo	14579757	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41268	CadSNP16863	<i>Desi</i>	Ca_Desig_denovo	14583868	(T/G)
41269	CadSNP16864	<i>Desi</i>	Ca_Desig_denovo	14584858	(T/G)
41270	CadSNP16865	<i>Desi</i>	Ca_Desig_denovo	14586993	(C/T)
41271	CadSNP16866	<i>Desi</i>	Ca_Desig_denovo	14587035	(T/C)
41272	CadSNP16867	<i>Desi</i>	Ca_Desig_denovo	14588554	(C/G)
41273	CadSNP16868	<i>Desi</i>	Ca_Desig_denovo	14588587	(A/G)
41274	CadSNP16869	<i>Desi</i>	Ca_Desig_denovo	14588844	(C/A)
41275	CadSNP16870	<i>Desi</i>	Ca_Desig_denovo	14588847	(T/C)
41276	CadSNP16871	<i>Desi</i>	Ca_Desig_denovo	14595995	(A/C)
41277	CadSNP16872	<i>Desi</i>	Ca_Desig_denovo	14597959	(G/A)
41278	CadSNP16873	<i>Desi</i>	Ca_Desig_denovo	14610604	(T/C)
41279	CadSNP16874	<i>Desi</i>	Ca_Desig_denovo	14614197	(C/T)
41280	CadSNP16875	<i>Desi</i>	Ca_Desig_denovo	14617635	(T/G)
41281	CadSNP16876	<i>Desi</i>	Ca_Desig_denovo	14617946	(T/C)
41282	CadSNP16877	<i>Desi</i>	Ca_Desig_denovo	14622746	(T/C)
41283	CadSNP16878	<i>Desi</i>	Ca_Desig_denovo	14622757	(C/T)
41284	CadSNP16879	<i>Desi</i>	Ca_Desig_denovo	14624087	(T/G)
41285	CadSNP16880	<i>Desi</i>	Ca_Desig_denovo	14624105	(A/G)
41286	CadSNP16881	<i>Desi</i>	Ca_Desig_denovo	14624817	(T/C)
41287	CadSNP16882	<i>Desi</i>	Ca_Desig_denovo	14624863	(C/G)
41288	CadSNP16883	<i>Desi</i>	Ca_Desig_denovo	14625832	(A/C)
41289	CadSNP16884	<i>Desi</i>	Ca_Desig_denovo	14628743	(T/G)
41290	CadSNP16885	<i>Desi</i>	Ca_Desig_denovo	14629651	(G/C)
41291	CadSNP16886	<i>Desi</i>	Ca_Desig_denovo	14629685	(C/G)
41292	CadSNP16887	<i>Desi</i>	Ca_Desig_denovo	14629691	(T/C)
41293	CadSNP16888	<i>Desi</i>	Ca_Desig_denovo	14629755	(A/T)
41294	CadSNP16889	<i>Desi</i>	Ca_Desig_denovo	14629764	(G/A)
41295	CadSNP16890	<i>Desi</i>	Ca_Desig_denovo	14632504	(T/C)
41296	CadSNP16891	<i>Desi</i>	Ca_Desig_denovo	14637484	(C/T)
41297	CadSNP16892	<i>Desi</i>	Ca_Desig_denovo	14646850	(T/G)
41298	CadSNP16893	<i>Desi</i>	Ca_Desig_denovo	14648825	(T/C)
41299	CadSNP16894	<i>Desi</i>	Ca_Desig_denovo	14648896	(C/G)
41300	CadSNP16895	<i>Desi</i>	Ca_Desig_denovo	14649189	(A/G)
41301	CadSNP16896	<i>Desi</i>	Ca_Desig_denovo	14663152	(C/T)
41302	CadSNP16897	<i>Desi</i>	Ca_Desig_denovo	14674857	(A/G)
41303	CadSNP16898	<i>Desi</i>	Ca_Desig_denovo	14674863	(T/G)
41304	CadSNP16899	<i>Desi</i>	Ca_Desig_denovo	14692652	(G/T)
41305	CadSNP16900	<i>Desi</i>	Ca_Desig_denovo	14693429	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41306	CadSNP16901	<i>Desi</i>	Ca_Desig_denovo	14693440	(T/C)
41307	CadSNP16902	<i>Desi</i>	Ca_Desig_denovo	14694391	(G/C)
41308	CadSNP16903	<i>Desi</i>	Ca_Desig_denovo	14708229	(A/C)
41309	CadSNP16904	<i>Desi</i>	Ca_Desig_denovo	14715414	(T/C)
41310	CadSNP16905	<i>Desi</i>	Ca_Desig_denovo	14721669	(C/T)
41311	CadSNP16906	<i>Desi</i>	Ca_Desig_denovo	14724516	(A/G)
41312	CadSNP16907	<i>Desi</i>	Ca_Desig_denovo	14725410	(C/T)
41313	CadSNP16908	<i>Desi</i>	Ca_Desig_denovo	14728840	(G/T)
41314	CadSNP16909	<i>Desi</i>	Ca_Desig_denovo	14738534	(A/G)
41315	CadSNP16910	<i>Desi</i>	Ca_Desig_denovo	14739601	(C/T)
41316	CadSNP16911	<i>Desi</i>	Ca_Desig_denovo	14743958	(A/G)
41317	CadSNP16912	<i>Desi</i>	Ca_Desig_denovo	14747512	(C/G)
41318	CadSNP16913	<i>Desi</i>	Ca_Desig_denovo	14747735	(G/T)
41319	CadSNP16914	<i>Desi</i>	Ca_Desig_denovo	14749024	(T/A)
41320	CadSNP16915	<i>Desi</i>	Ca_Desig_denovo	14749816	(T/C)
41321	CadSNP16916	<i>Desi</i>	Ca_Desig_denovo	14750862	(C/T)
41322	CadSNP16917	<i>Desi</i>	Ca_Desig_denovo	14752845	(G/A)
41323	CadSNP16918	<i>Desi</i>	Ca_Desig_denovo	14761138	(C/T)
41324	CadSNP16919	<i>Desi</i>	Ca_Desig_denovo	14763790	(G/C)
41325	CadSNP16920	<i>Desi</i>	Ca_Desig_denovo	14767677	(A/G)
41326	CadSNP16921	<i>Desi</i>	Ca_Desig_denovo	14767727	(G/A)
41327	CadSNP16922	<i>Desi</i>	Ca_Desig_denovo	14770144	(C/G)
41328	CadSNP16923	<i>Desi</i>	Ca_Desig_denovo	14778136	(T/C)
41329	CadSNP16924	<i>Desi</i>	Ca_Desig_denovo	14779753	(G/C)
41330	CadSNP16925	<i>Desi</i>	Ca_Desig_denovo	14779756	(A/G)
41331	CadSNP16926	<i>Desi</i>	Ca_Desig_denovo	14782840	(C/T)
41332	CadSNP16927	<i>Desi</i>	Ca_Desig_denovo	14782897	(T/G)
41333	CadSNP16928	<i>Desi</i>	Ca_Desig_denovo	14784108	(G/A)
41334	CadSNP16929	<i>Desi</i>	Ca_Desig_denovo	14784247	(C/A)
41335	CadSNP16930	<i>Desi</i>	Ca_Desig_denovo	14785901	(C/T)
41336	CadSNP16931	<i>Desi</i>	Ca_Desig_denovo	14785931	(T/C)
41337	CadSNP16932	<i>Desi</i>	Ca_Desig_denovo	14789147	(T/C)
41338	CadSNP16933	<i>Desi</i>	Ca_Desig_denovo	14789189	(G/A)
41339	CadSNP16934	<i>Desi</i>	Ca_Desig_denovo	14790092	(G/C)
41340	CadSNP16935	<i>Desi</i>	Ca_Desig_denovo	14790093	(C/T)
41341	CadSNP16936	<i>Desi</i>	Ca_Desig_denovo	14790113	(T/C)
41342	CadSNP16937	<i>Desi</i>	Ca_Desig_denovo	14790929	(G/A)
41343	CadSNP16938	<i>Desi</i>	Ca_Desig_denovo	14790935	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41344	CadSNP16939	<i>Desi</i>	Ca_Desig_denovo	14795635	(T/G)
41345	CadSNP16940	<i>Desi</i>	Ca_Desig_denovo	14799963	(A/C)
41346	CadSNP16941	<i>Desi</i>	Ca_Desig_denovo	14800009	(A/C)
41347	CadSNP16942	<i>Desi</i>	Ca_Desig_denovo	14810913	(A/T)
41348	CadSNP16943	<i>Desi</i>	Ca_Desig_denovo	14814607	(G/A)
41349	CadSNP16944	<i>Desi</i>	Ca_Desig_denovo	14819017	(A/G)
41350	CadSNP16945	<i>Desi</i>	Ca_Desig_denovo	14823234	(T/G)
41351	CadSNP16946	<i>Desi</i>	Ca_Desig_denovo	14824981	(A/G)
41352	CadSNP16947	<i>Desi</i>	Ca_Desig_denovo	14832362	(A/G)
41353	CadSNP16948	<i>Desi</i>	Ca_Desig_denovo	14834572	(A/C)
41354	CadSNP16949	<i>Desi</i>	Ca_Desig_denovo	14835298	(G/A)
41355	CadSNP16950	<i>Desi</i>	Ca_Desig_denovo	14835325	(C/G)
41356	CadSNP16951	<i>Desi</i>	Ca_Desig_denovo	14836448	(A/C)
41357	CadSNP16952	<i>Desi</i>	Ca_Desig_denovo	14838426	(A/C)
41358	CadSNP16953	<i>Desi</i>	Ca_Desig_denovo	14838428	(A/C)
41359	CadSNP16954	<i>Desi</i>	Ca_Desig_denovo	14838471	(G/A)
41360	CadSNP16955	<i>Desi</i>	Ca_Desig_denovo	14838476	(C/T)
41361	CadSNP16956	<i>Desi</i>	Ca_Desig_denovo	14840398	(G/A)
41362	CadSNP16957	<i>Desi</i>	Ca_Desig_denovo	14840459	(G/A)
41363	CadSNP16958	<i>Desi</i>	Ca_Desig_denovo	14840774	(A/G)
41364	CadSNP16959	<i>Desi</i>	Ca_Desig_denovo	14847515	(C/T)
41365	CadSNP16960	<i>Desi</i>	Ca_Desig_denovo	14847527	(C/T)
41366	CadSNP16961	<i>Desi</i>	Ca_Desig_denovo	14847745	(C/A)
41367	CadSNP16962	<i>Desi</i>	Ca_Desig_denovo	14848217	(G/A)
41368	CadSNP16963	<i>Desi</i>	Ca_Desig_denovo	14848244	(T/C)
41369	CadSNP16964	<i>Desi</i>	Ca_Desig_denovo	14850859	(T/G)
41370	CadSNP16965	<i>Desi</i>	Ca_Desig_denovo	14850883	(C/T)
41371	CadSNP16966	<i>Desi</i>	Ca_Desig_denovo	14851276	(G/A)
41372	CadSNP16967	<i>Desi</i>	Ca_Desig_denovo	14851354	(A/C)
41373	CadSNP16968	<i>Desi</i>	Ca_Desig_denovo	14863961	(T/A)
41374	CadSNP16969	<i>Desi</i>	Ca_Desig_denovo	14868532	(C/T)
41375	CadSNP16970	<i>Desi</i>	Ca_Desig_denovo	14879082	(A/G)
41376	CadSNP16971	<i>Desi</i>	Ca_Desig_denovo	14879955	(C/T)
41377	CadSNP16972	<i>Desi</i>	Ca_Desig_denovo	14881333	(C/T)
41378	CadSNP16973	<i>Desi</i>	Ca_Desig_denovo	14884674	(T/C)
41379	CadSNP16974	<i>Desi</i>	Ca_Desig_denovo	14884683	(C/T)
41380	CadSNP16975	<i>Desi</i>	Ca_Desig_denovo	14885511	(C/A)
41381	CadSNP16976	<i>Desi</i>	Ca_Desig_denovo	14895949	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41382	CadSNP16977	<i>Desi</i>	Ca_Desig_denovo	14913016	(C/A)
41383	CadSNP16978	<i>Desi</i>	Ca_Desig_denovo	14915735	(C/T)
41384	CadSNP16979	<i>Desi</i>	Ca_Desig_denovo	14916048	(T/C)
41385	CadSNP16980	<i>Desi</i>	Ca_Desig_denovo	14917118	(A/G)
41386	CadSNP16981	<i>Desi</i>	Ca_Desig_denovo	14920583	(G/A)
41387	CadSNP16982	<i>Desi</i>	Ca_Desig_denovo	14923346	(C/G)
41388	CadSNP16983	<i>Desi</i>	Ca_Desig_denovo	14937206	(G/A)
41389	CadSNP16984	<i>Desi</i>	Ca_Desig_denovo	14940274	(G/A)
41390	CadSNP16985	<i>Desi</i>	Ca_Desig_denovo	14943074	(G/A)
41391	CadSNP16986	<i>Desi</i>	Ca_Desig_denovo	14943154	(A/G)
41392	CadSNP16987	<i>Desi</i>	Ca_Desig_denovo	14944025	(T/C)
41393	CadSNP16988	<i>Desi</i>	Ca_Desig_denovo	14944183	(C/G)
41394	CadSNP16989	<i>Desi</i>	Ca_Desig_denovo	14953508	(C/G)
41395	CadSNP16990	<i>Desi</i>	Ca_Desig_denovo	14957887	(C/T)
41396	CadSNP16991	<i>Desi</i>	Ca_Desig_denovo	14958611	(A/G)
41397	CadSNP16992	<i>Desi</i>	Ca_Desig_denovo	14960046	(C/T)
41398	CadSNP16993	<i>Desi</i>	Ca_Desig_denovo	14964397	(C/T)
41399	CadSNP16994	<i>Desi</i>	Ca_Desig_denovo	14965570	(G/A)
41400	CadSNP16995	<i>Desi</i>	Ca_Desig_denovo	14968517	(G/A)
41401	CadSNP16996	<i>Desi</i>	Ca_Desig_denovo	14969480	(T/G)
41402	CadSNP16997	<i>Desi</i>	Ca_Desig_denovo	14970228	(C/T)
41403	CadSNP16998	<i>Desi</i>	Ca_Desig_denovo	14970839	(G/A)
41404	CadSNP16999	<i>Desi</i>	Ca_Desig_denovo	14975521	(G/A)
41405	CadSNP17000	<i>Desi</i>	Ca_Desig_denovo	14978903	(A/G)
41406	CadSNP17001	<i>Desi</i>	Ca_Desig_denovo	14981603	(C/A)
41407	CadSNP17002	<i>Desi</i>	Ca_Desig_denovo	14981631	(A/T)
41408	CadSNP17003	<i>Desi</i>	Ca_Desig_denovo	14989309	(C/T)
41409	CadSNP17004	<i>Desi</i>	Ca_Desig_denovo	14990035	(A/G)
41410	CadSNP17005	<i>Desi</i>	Ca_Desig_denovo	14990101	(C/G)
41411	CadSNP17006	<i>Desi</i>	Ca_Desig_denovo	14992098	(T/G)
41412	CadSNP17007	<i>Desi</i>	Ca_Desig_denovo	14992129	(T/C)
41413	CadSNP17008	<i>Desi</i>	Ca_Desig_denovo	14993755	(C/T)
41414	CadSNP17009	<i>Desi</i>	Ca_Desig_denovo	14993792	(C/T)
41415	CadSNP17010	<i>Desi</i>	Ca_Desig_denovo	15000265	(G/A)
41416	CadSNP17011	<i>Desi</i>	Ca_Desig_denovo	15006842	(C/T)
41417	CadSNP17012	<i>Desi</i>	Ca_Desig_denovo	15007485	(A/G)
41418	CadSNP17013	<i>Desi</i>	Ca_Desig_denovo	15007490	(T/C)
41419	CadSNP17014	<i>Desi</i>	Ca_Desig_denovo	15029750	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41420	CadSNP17015	<i>Desi</i>	Ca_Desig_denovo	15029777	(G/A)
41421	CadSNP17016	<i>Desi</i>	Ca_Desig_denovo	15030604	(A/G)
41422	CadSNP17017	<i>Desi</i>	Ca_Desig_denovo	15039672	(T/A)
41423	CadSNP17018	<i>Desi</i>	Ca_Desig_denovo	15044560	(C/A)
41424	CadSNP17019	<i>Desi</i>	Ca_Desig_denovo	15044589	(T/C)
41425	CadSNP17020	<i>Desi</i>	Ca_Desig_denovo	15058752	(C/T)
41426	CadSNP17021	<i>Desi</i>	Ca_Desig_denovo	15058753	(C/T)
41427	CadSNP17022	<i>Desi</i>	Ca_Desig_denovo	15063099	(G/A)
41428	CadSNP17023	<i>Desi</i>	Ca_Desig_denovo	15063100	(C/T)
41429	CadSNP17024	<i>Desi</i>	Ca_Desig_denovo	15065308	(C/T)
41430	CadSNP17025	<i>Desi</i>	Ca_Desig_denovo	15070942	(C/T)
41431	CadSNP17026	<i>Desi</i>	Ca_Desig_denovo	15078963	(T/C)
41432	CadSNP17027	<i>Desi</i>	Ca_Desig_denovo	15078982	(A/G)
41433	CadSNP17028	<i>Desi</i>	Ca_Desig_denovo	15080539	(T/G)
41434	CadSNP17029	<i>Desi</i>	Ca_Desig_denovo	15080559	(A/G)
41435	CadSNP17030	<i>Desi</i>	Ca_Desig_denovo	15081225	(C/T)
41436	CadSNP17031	<i>Desi</i>	Ca_Desig_denovo	15090840	(A/C)
41437	CadSNP17032	<i>Desi</i>	Ca_Desig_denovo	15090889	(A/G)
41438	CadSNP17033	<i>Desi</i>	Ca_Desig_denovo	15098012	(G/A)
41439	CadSNP17034	<i>Desi</i>	Ca_Desig_denovo	15101326	(T/C)
41440	CadSNP17035	<i>Desi</i>	Ca_Desig_denovo	15101613	(T/G)
41441	CadSNP17036	<i>Desi</i>	Ca_Desig_denovo	15103939	(A/G)
41442	CadSNP17037	<i>Desi</i>	Ca_Desig_denovo	15103962	(T/C)
41443	CadSNP17038	<i>Desi</i>	Ca_Desig_denovo	15103992	(G/A)
41444	CadSNP17039	<i>Desi</i>	Ca_Desig_denovo	15118104	(C/T)
41445	CadSNP17040	<i>Desi</i>	Ca_Desig_denovo	15126740	(C/A)
41446	CadSNP17041	<i>Desi</i>	Ca_Desig_denovo	15126779	(A/G)
41447	CadSNP17042	<i>Desi</i>	Ca_Desig_denovo	15132199	(C/G)
41448	CadSNP17043	<i>Desi</i>	Ca_Desig_denovo	15132217	(C/T)
41449	CadSNP17044	<i>Desi</i>	Ca_Desig_denovo	15136420	(C/G)
41450	CadSNP17045	<i>Desi</i>	Ca_Desig_denovo	15137837	(C/G)
41451	CadSNP17046	<i>Desi</i>	Ca_Desig_denovo	15145380	(C/T)
41452	CadSNP17047	<i>Desi</i>	Ca_Desig_denovo	15154046	(T/C)
41453	CadSNP17048	<i>Desi</i>	Ca_Desig_denovo	15154061	(A/G)
41454	CadSNP17049	<i>Desi</i>	Ca_Desig_denovo	15156252	(A/C)
41455	CadSNP17050	<i>Desi</i>	Ca_Desig_denovo	15156288	(A/C)
41456	CadSNP17051	<i>Desi</i>	Ca_Desig_denovo	15166775	(C/T)
41457	CadSNP17052	<i>Desi</i>	Ca_Desig_denovo	15167494	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41458	CadSNP17053	<i>Desi</i>	Ca_Desig_denovo	15171676	(T/C)
41459	CadSNP17054	<i>Desi</i>	Ca_Desig_denovo	15171682	(T/G)
41460	CadSNP17055	<i>Desi</i>	Ca_Desig_denovo	15178757	(T/C)
41461	CadSNP17056	<i>Desi</i>	Ca_Desig_denovo	15178771	(C/G)
41462	CadSNP17057	<i>Desi</i>	Ca_Desig_denovo	15180963	(G/C)
41463	CadSNP17058	<i>Desi</i>	Ca_Desig_denovo	15181009	(C/T)
41464	CadSNP17059	<i>Desi</i>	Ca_Desig_denovo	15187441	(T/G)
41465	CadSNP17060	<i>Desi</i>	Ca_Desig_denovo	15188422	(A/G)
41466	CadSNP17061	<i>Desi</i>	Ca_Desig_denovo	15188432	(A/C)
41467	CadSNP17062	<i>Desi</i>	Ca_Desig_denovo	15194105	(G/A)
41468	CadSNP17063	<i>Desi</i>	Ca_Desig_denovo	15202976	(G/T)
41469	CadSNP17064	<i>Desi</i>	Ca_Desig_denovo	15203329	(C/A)
41470	CadSNP17065	<i>Desi</i>	Ca_Desig_denovo	15208807	(A/G)
41471	CadSNP17066	<i>Desi</i>	Ca_Desig_denovo	15208846	(C/T)
41472	CadSNP17067	<i>Desi</i>	Ca_Desig_denovo	15213140	(A/C)
41473	CadSNP17068	<i>Desi</i>	Ca_Desig_denovo	15213191	(C/T)
41474	CadSNP17069	<i>Desi</i>	Ca_Desig_denovo	15217415	(C/T)
41475	CadSNP17070	<i>Desi</i>	Ca_Desig_denovo	15220774	(C/T)
41476	CadSNP17071	<i>Desi</i>	Ca_Desig_denovo	15220775	(G/A)
41477	CadSNP17072	<i>Desi</i>	Ca_Desig_denovo	15222002	(C/A)
41478	CadSNP17073	<i>Desi</i>	Ca_Desig_denovo	15222012	(T/G)
41479	CadSNP17074	<i>Desi</i>	Ca_Desig_denovo	15222724	(G/C)
41480	CadSNP17075	<i>Desi</i>	Ca_Desig_denovo	15228375	(A/G)
41481	CadSNP17076	<i>Desi</i>	Ca_Desig_denovo	15229783	(G/C)
41482	CadSNP17077	<i>Desi</i>	Ca_Desig_denovo	15231017	(C/G)
41483	CadSNP17078	<i>Desi</i>	Ca_Desig_denovo	15233037	(A/G)
41484	CadSNP17079	<i>Desi</i>	Ca_Desig_denovo	15233087	(A/T)
41485	CadSNP17080	<i>Desi</i>	Ca_Desig_denovo	15242659	(C/A)
41486	CadSNP17081	<i>Desi</i>	Ca_Desig_denovo	15243203	(A/G)
41487	CadSNP17082	<i>Desi</i>	Ca_Desig_denovo	15243221	(T/C)
41488	CadSNP17083	<i>Desi</i>	Ca_Desig_denovo	15245878	(C/T)
41489	CadSNP17084	<i>Desi</i>	Ca_Desig_denovo	15253502	(A/G)
41490	CadSNP17085	<i>Desi</i>	Ca_Desig_denovo	15276924	(A/T)
41491	CadSNP17086	<i>Desi</i>	Ca_Desig_denovo	15277169	(G/T)
41492	CadSNP17087	<i>Desi</i>	Ca_Desig_denovo	15282886	(C/T)
41493	CadSNP17088	<i>Desi</i>	Ca_Desig_denovo	15282943	(A/C)
41494	CadSNP17089	<i>Desi</i>	Ca_Desig_denovo	15283906	(A/G)
41495	CadSNP17090	<i>Desi</i>	Ca_Desig_denovo	15289214	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41496	CadSNP17091	<i>Desi</i>	Ca_Desig_denovo	15289251	(A/G)
41497	CadSNP17092	<i>Desi</i>	Ca_Desig_denovo	15290170	(C/T)
41498	CadSNP17093	<i>Desi</i>	Ca_Desig_denovo	15291921	(G/A)
41499	CadSNP17094	<i>Desi</i>	Ca_Desig_denovo	15291952	(G/C)
41500	CadSNP17095	<i>Desi</i>	Ca_Desig_denovo	15297934	(G/T)
41501	CadSNP17096	<i>Desi</i>	Ca_Desig_denovo	15297936	(A/G)
41502	CadSNP17097	<i>Desi</i>	Ca_Desig_denovo	15303851	(C/T)
41503	CadSNP17098	<i>Desi</i>	Ca_Desig_denovo	15304848	(C/T)
41504	CadSNP17099	<i>Desi</i>	Ca_Desig_denovo	15304853	(C/A)
41505	CadSNP17100	<i>Desi</i>	Ca_Desig_denovo	15307109	(G/A)
41506	CadSNP17101	<i>Desi</i>	Ca_Desig_denovo	15310372	(C/T)
41507	CadSNP17102	<i>Desi</i>	Ca_Desig_denovo	15310396	(G/A)
41508	CadSNP17103	<i>Desi</i>	Ca_Desig_denovo	15317016	(G/A)
41509	CadSNP17104	<i>Desi</i>	Ca_Desig_denovo	15317036	(G/C)
41510	CadSNP17105	<i>Desi</i>	Ca_Desig_denovo	15324222	(A/G)
41511	CadSNP17106	<i>Desi</i>	Ca_Desig_denovo	15324227	(G/A)
41512	CadSNP17107	<i>Desi</i>	Ca_Desig_denovo	15324239	(C/G)
41513	CadSNP17108	<i>Desi</i>	Ca_Desig_denovo	15331183	(T/C)
41514	CadSNP17109	<i>Desi</i>	Ca_Desig_denovo	15331363	(A/G)
41515	CadSNP17110	<i>Desi</i>	Ca_Desig_denovo	15331364	(T/C)
41516	CadSNP17111	<i>Desi</i>	Ca_Desig_denovo	15332408	(C/G)
41517	CadSNP17112	<i>Desi</i>	Ca_Desig_denovo	15332414	(C/G)
41518	CadSNP17113	<i>Desi</i>	Ca_Desig_denovo	15332850	(T/G)
41519	CadSNP17114	<i>Desi</i>	Ca_Desig_denovo	15332856	(T/A)
41520	CadSNP17115	<i>Desi</i>	Ca_Desig_denovo	15335693	(T/G)
41521	CadSNP17116	<i>Desi</i>	Ca_Desig_denovo	15339613	(C/T)
41522	CadSNP17117	<i>Desi</i>	Ca_Desig_denovo	15339643	(T/C)
41523	CadSNP17118	<i>Desi</i>	Ca_Desig_denovo	15342383	(C/T)
41524	CadSNP17119	<i>Desi</i>	Ca_Desig_denovo	15346367	(G/C)
41525	CadSNP17120	<i>Desi</i>	Ca_Desig_denovo	15346374	(C/G)
41526	CadSNP17121	<i>Desi</i>	Ca_Desig_denovo	15355194	(C/T)
41527	CadSNP17122	<i>Desi</i>	Ca_Desig_denovo	15360981	(G/A)
41528	CadSNP17123	<i>Desi</i>	Ca_Desig_denovo	15361089	(A/C)
41529	CadSNP17124	<i>Desi</i>	Ca_Desig_denovo	15367447	(C/G)
41530	CadSNP17125	<i>Desi</i>	Ca_Desig_denovo	15367459	(T/C)
41531	CadSNP17126	<i>Desi</i>	Ca_Desig_denovo	15367540	(C/T)
41532	CadSNP17127	<i>Desi</i>	Ca_Desig_denovo	15370134	(A/C)
41533	CadSNP17128	<i>Desi</i>	Ca_Desig_denovo	15370539	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41534	CadSNP17129	<i>Desi</i>	Ca_Desig_denovo	15379548	(C/T)
41535	CadSNP17130	<i>Desi</i>	Ca_Desig_denovo	15379578	(C/G)
41536	CadSNP17131	<i>Desi</i>	Ca_Desig_denovo	15382865	(C/G)
41537	CadSNP17132	<i>Desi</i>	Ca_Desig_denovo	15382889	(T/C)
41538	CadSNP17133	<i>Desi</i>	Ca_Desig_denovo	15385555	(G/A)
41539	CadSNP17134	<i>Desi</i>	Ca_Desig_denovo	15385568	(A/G)
41540	CadSNP17135	<i>Desi</i>	Ca_Desig_denovo	15393655	(A/G)
41541	CadSNP17136	<i>Desi</i>	Ca_Desig_denovo	15393682	(G/A)
41542	CadSNP17137	<i>Desi</i>	Ca_Desig_denovo	15396281	(T/G)
41543	CadSNP17138	<i>Desi</i>	Ca_Desig_denovo	15396284	(T/C)
41544	CadSNP17139	<i>Desi</i>	Ca_Desig_denovo	15403038	(G/A)
41545	CadSNP17140	<i>Desi</i>	Ca_Desig_denovo	15404094	(G/C)
41546	CadSNP17141	<i>Desi</i>	Ca_Desig_denovo	15418477	(G/C)
41547	CadSNP17142	<i>Desi</i>	Ca_Desig_denovo	15421201	(G/C)
41548	CadSNP17143	<i>Desi</i>	Ca_Desig_denovo	15423704	(T/C)
41549	CadSNP17144	<i>Desi</i>	Ca_Desig_denovo	15423832	(C/T)
41550	CadSNP17145	<i>Desi</i>	Ca_Desig_denovo	15425662	(G/A)
41551	CadSNP17146	<i>Desi</i>	Ca_Desig_denovo	15425718	(G/A)
41552	CadSNP17147	<i>Desi</i>	Ca_Desig_denovo	15428446	(G/A)
41553	CadSNP17148	<i>Desi</i>	Ca_Desig_denovo	15440893	(G/A)
41554	CadSNP17149	<i>Desi</i>	Ca_Desig_denovo	15443155	(A/G)
41555	CadSNP17150	<i>Desi</i>	Ca_Desig_denovo	15443167	(T/C)
41556	CadSNP17151	<i>Desi</i>	Ca_Desig_denovo	15456056	(G/C)
41557	CadSNP17152	<i>Desi</i>	Ca_Desig_denovo	15458109	(A/G)
41558	CadSNP17153	<i>Desi</i>	Ca_Desig_denovo	15458139	(T/C)
41559	CadSNP17154	<i>Desi</i>	Ca_Desig_denovo	15459081	(A/C)
41560	CadSNP17155	<i>Desi</i>	Ca_Desig_denovo	15468364	(T/C)
41561	CadSNP17156	<i>Desi</i>	Ca_Desig_denovo	15471079	(G/A)
41562	CadSNP17157	<i>Desi</i>	Ca_Desig_denovo	15473183	(G/C)
41563	CadSNP17158	<i>Desi</i>	Ca_Desig_denovo	15477751	(A/G)
41564	CadSNP17159	<i>Desi</i>	Ca_Desig_denovo	15477802	(C/T)
41565	CadSNP17160	<i>Desi</i>	Ca_Desig_denovo	15478278	(G/A)
41566	CadSNP17161	<i>Desi</i>	Ca_Desig_denovo	15478882	(G/T)
41567	CadSNP17162	<i>Desi</i>	Ca_Desig_denovo	15485641	(A/G)
41568	CadSNP17163	<i>Desi</i>	Ca_Desig_denovo	15485710	(A/C)
41569	CadSNP17164	<i>Desi</i>	Ca_Desig_denovo	15486854	(C/A)
41570	CadSNP17165	<i>Desi</i>	Ca_Desig_denovo	15502385	(G/T)
41571	CadSNP17166	<i>Desi</i>	Ca_Desig_denovo	15502979	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41572	CadSNP17167	<i>Desi</i>	Ca_Desig_denovo	15502996	(A/G)
41573	CadSNP17168	<i>Desi</i>	Ca_Desig_denovo	15505731	(A/G)
41574	CadSNP17169	<i>Desi</i>	Ca_Desig_denovo	15505750	(A/C)
41575	CadSNP17170	<i>Desi</i>	Ca_Desig_denovo	15511854	(G/T)
41576	CadSNP17171	<i>Desi</i>	Ca_Desig_denovo	15512656	(A/G)
41577	CadSNP17172	<i>Desi</i>	Ca_Desig_denovo	15512665	(A/G)
41578	CadSNP17173	<i>Desi</i>	Ca_Desig_denovo	15514575	(G/T)
41579	CadSNP17174	<i>Desi</i>	Ca_Desig_denovo	15514598	(A/G)
41580	CadSNP17175	<i>Desi</i>	Ca_Desig_denovo	15524672	(C/G)
41581	CadSNP17176	<i>Desi</i>	Ca_Desig_denovo	15527963	(G/C)
41582	CadSNP17177	<i>Desi</i>	Ca_Desig_denovo	15532822	(C/G)
41583	CadSNP17178	<i>Desi</i>	Ca_Desig_denovo	15532860	(G/A)
41584	CadSNP17179	<i>Desi</i>	Ca_Desig_denovo	15535045	(G/T)
41585	CadSNP17180	<i>Desi</i>	Ca_Desig_denovo	15542948	(C/T)
41586	CadSNP17181	<i>Desi</i>	Ca_Desig_denovo	15542993	(A/C)
41587	CadSNP17182	<i>Desi</i>	Ca_Desig_denovo	15544033	(G/A)
41588	CadSNP17183	<i>Desi</i>	Ca_Desig_denovo	15544042	(C/A)
41589	CadSNP17184	<i>Desi</i>	Ca_Desig_denovo	15544798	(A/G)
41590	CadSNP17185	<i>Desi</i>	Ca_Desig_denovo	15544813	(C/T)
41591	CadSNP17186	<i>Desi</i>	Ca_Desig_denovo	15546528	(T/C)
41592	CadSNP17187	<i>Desi</i>	Ca_Desig_denovo	15548732	(T/C)
41593	CadSNP17188	<i>Desi</i>	Ca_Desig_denovo	15550665	(T/C)
41594	CadSNP17189	<i>Desi</i>	Ca_Desig_denovo	15550713	(A/G)
41595	CadSNP17190	<i>Desi</i>	Ca_Desig_denovo	15550816	(G/C)
41596	CadSNP17191	<i>Desi</i>	Ca_Desig_denovo	15550819	(A/G)
41597	CadSNP17192	<i>Desi</i>	Ca_Desig_denovo	15561970	(G/A)
41598	CadSNP17193	<i>Desi</i>	Ca_Desig_denovo	15564319	(A/G)
41599	CadSNP17194	<i>Desi</i>	Ca_Desig_denovo	15564370	(C/G)
41600	CadSNP17195	<i>Desi</i>	Ca_Desig_denovo	15569698	(C/A)
41601	CadSNP17196	<i>Desi</i>	Ca_Desig_denovo	15569728	(T/C)
41602	CadSNP17197	<i>Desi</i>	Ca_Desig_denovo	15573055	(T/C)
41603	CadSNP17198	<i>Desi</i>	Ca_Desig_denovo	15575593	(G/A)
41604	CadSNP17199	<i>Desi</i>	Ca_Desig_denovo	15575596	(C/G)
41605	CadSNP17200	<i>Desi</i>	Ca_Desig_denovo	15584957	(G/A)
41606	CadSNP17201	<i>Desi</i>	Ca_Desig_denovo	15588505	(A/G)
41607	CadSNP17202	<i>Desi</i>	Ca_Desig_denovo	15590732	(C/T)
41608	CadSNP17203	<i>Desi</i>	Ca_Desig_denovo	15590806	(C/T)
41609	CadSNP17204	<i>Desi</i>	Ca_Desig_denovo	15590810	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41610	CadSNP17205	<i>Desi</i>	Ca_Desig_denovo	15591398	(C/A)
41611	CadSNP17206	<i>Desi</i>	Ca_Desig_denovo	15591404	(G/C)
41612	CadSNP17207	<i>Desi</i>	Ca_Desig_denovo	15594637	(A/G)
41613	CadSNP17208	<i>Desi</i>	Ca_Desig_denovo	15594666	(T/C)
41614	CadSNP17209	<i>Desi</i>	Ca_Desig_denovo	15597323	(C/T)
41615	CadSNP17210	<i>Desi</i>	Ca_Desig_denovo	15597968	(T/G)
41616	CadSNP17211	<i>Desi</i>	Ca_Desig_denovo	15600593	(C/T)
41617	CadSNP17212	<i>Desi</i>	Ca_Desig_denovo	15601171	(A/G)
41618	CadSNP17213	<i>Desi</i>	Ca_Desig_denovo	15602930	(C/G)
41619	CadSNP17214	<i>Desi</i>	Ca_Desig_denovo	15605001	(A/G)
41620	CadSNP17215	<i>Desi</i>	Ca_Desig_denovo	15605789	(C/A)
41621	CadSNP17216	<i>Desi</i>	Ca_Desig_denovo	15612599	(C/T)
41622	CadSNP17217	<i>Desi</i>	Ca_Desig_denovo	15617408	(A/G)
41623	CadSNP17218	<i>Desi</i>	Ca_Desig_denovo	15618344	(A/T)
41624	CadSNP17219	<i>Desi</i>	Ca_Desig_denovo	15619857	(C/T)
41625	CadSNP17220	<i>Desi</i>	Ca_Desig_denovo	15619878	(A/G)
41626	CadSNP17221	<i>Desi</i>	Ca_Desig_denovo	15629792	(T/C)
41627	CadSNP17222	<i>Desi</i>	Ca_Desig_denovo	15629834	(T/C)
41628	CadSNP17223	<i>Desi</i>	Ca_Desig_denovo	15633322	(A/G)
41629	CadSNP17224	<i>Desi</i>	Ca_Desig_denovo	15637204	(A/G)
41630	CadSNP17225	<i>Desi</i>	Ca_Desig_denovo	15638261	(G/A)
41631	CadSNP17226	<i>Desi</i>	Ca_Desig_denovo	15638262	(C/G)
41632	CadSNP17227	<i>Desi</i>	Ca_Desig_denovo	15638270	(A/G)
41633	CadSNP17228	<i>Desi</i>	Ca_Desig_denovo	15640437	(C/G)
41634	CadSNP17229	<i>Desi</i>	Ca_Desig_denovo	15646262	(G/A)
41635	CadSNP17230	<i>Desi</i>	Ca_Desig_denovo	15646271	(C/G)
41636	CadSNP17231	<i>Desi</i>	Ca_Desig_denovo	15647926	(G/A)
41637	CadSNP17232	<i>Desi</i>	Ca_Desig_denovo	15647935	(G/T)
41638	CadSNP17233	<i>Desi</i>	Ca_Desig_denovo	15656437	(C/A)
41639	CadSNP17234	<i>Desi</i>	Ca_Desig_denovo	15664918	(A/C)
41640	CadSNP17235	<i>Desi</i>	Ca_Desig_denovo	15669669	(T/C)
41641	CadSNP17236	<i>Desi</i>	Ca_Desig_denovo	15669684	(T/C)
41642	CadSNP17237	<i>Desi</i>	Ca_Desig_denovo	15670751	(T/C)
41643	CadSNP17238	<i>Desi</i>	Ca_Desig_denovo	15671084	(G/A)
41644	CadSNP17239	<i>Desi</i>	Ca_Desig_denovo	15671998	(G/C)
41645	CadSNP17240	<i>Desi</i>	Ca_Desig_denovo	15672057	(A/T)
41646	CadSNP17241	<i>Desi</i>	Ca_Desig_denovo	15672278	(G/A)
41647	CadSNP17242	<i>Desi</i>	Ca_Desig_denovo	15672284	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41648	CadSNP17243	<i>Desi</i>	Ca_Desig_denovo	15680096	(G/T)
41649	CadSNP17244	<i>Desi</i>	Ca_Desig_denovo	15687371	(T/C)
41650	CadSNP17245	<i>Desi</i>	Ca_Desig_denovo	15694876	(G/C)
41651	CadSNP17246	<i>Desi</i>	Ca_Desig_denovo	15694900	(C/A)
41652	CadSNP17247	<i>Desi</i>	Ca_Desig_denovo	15694918	(A/G)
41653	CadSNP17248	<i>Desi</i>	Ca_Desig_denovo	15695207	(G/C)
41654	CadSNP17249	<i>Desi</i>	Ca_Desig_denovo	15695227	(C/T)
41655	CadSNP17250	<i>Desi</i>	Ca_Desig_denovo	15709185	(C/T)
41656	CadSNP17251	<i>Desi</i>	Ca_Desig_denovo	15712294	(C/T)
41657	CadSNP17252	<i>Desi</i>	Ca_Desig_denovo	15712314	(G/C)
41658	CadSNP17253	<i>Desi</i>	Ca_Desig_denovo	15719161	(C/T)
41659	CadSNP17254	<i>Desi</i>	Ca_Desig_denovo	15719210	(C/G)
41660	CadSNP17255	<i>Desi</i>	Ca_Desig_denovo	15722163	(G/C)
41661	CadSNP17256	<i>Desi</i>	Ca_Desig_denovo	15726069	(C/T)
41662	CadSNP17257	<i>Desi</i>	Ca_Desig_denovo	15732706	(C/G)
41663	CadSNP17258	<i>Desi</i>	Ca_Desig_denovo	15733080	(C/A)
41664	CadSNP17259	<i>Desi</i>	Ca_Desig_denovo	15735064	(C/T)
41665	CadSNP17260	<i>Desi</i>	Ca_Desig_denovo	15735691	(A/G)
41666	CadSNP17261	<i>Desi</i>	Ca_Desig_denovo	15740172	(A/G)
41667	CadSNP17262	<i>Desi</i>	Ca_Desig_denovo	15748444	(A/G)
41668	CadSNP17263	<i>Desi</i>	Ca_Desig_denovo	15765542	(A/C)
41669	CadSNP17264	<i>Desi</i>	Ca_Desig_denovo	15768530	(G/A)
41670	CadSNP17265	<i>Desi</i>	Ca_Desig_denovo	15768565	(G/T)
41671	CadSNP17266	<i>Desi</i>	Ca_Desig_denovo	15770761	(C/T)
41672	CadSNP17267	<i>Desi</i>	Ca_Desig_denovo	15770768	(G/A)
41673	CadSNP17268	<i>Desi</i>	Ca_Desig_denovo	15771289	(T/C)
41674	CadSNP17269	<i>Desi</i>	Ca_Desig_denovo	15771313	(G/C)
41675	CadSNP17270	<i>Desi</i>	Ca_Desig_denovo	15773318	(A/G)
41676	CadSNP17271	<i>Desi</i>	Ca_Desig_denovo	15773348	(T/C)
41677	CadSNP17272	<i>Desi</i>	Ca_Desig_denovo	15774634	(G/T)
41678	CadSNP17273	<i>Desi</i>	Ca_Desig_denovo	15776755	(T/G)
41679	CadSNP17274	<i>Desi</i>	Ca_Desig_denovo	15776761	(T/C)
41680	CadSNP17275	<i>Desi</i>	Ca_Desig_denovo	15778667	(T/C)
41681	CadSNP17276	<i>Desi</i>	Ca_Desig_denovo	15779426	(A/G)
41682	CadSNP17277	<i>Desi</i>	Ca_Desig_denovo	15781982	(A/G)
41683	CadSNP17278	<i>Desi</i>	Ca_Desig_denovo	15784533	(A/C)
41684	CadSNP17279	<i>Desi</i>	Ca_Desig_denovo	15785194	(T/C)
41685	CadSNP17280	<i>Desi</i>	Ca_Desig_denovo	15785217	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41686	CadSNP17281	<i>Desi</i>	Ca_Desig_denovo	15806235	(C/T)
41687	CadSNP17282	<i>Desi</i>	Ca_Desig_denovo	15811960	(A/C)
41688	CadSNP17283	<i>Desi</i>	Ca_Desig_denovo	15811990	(T/C)
41689	CadSNP17284	<i>Desi</i>	Ca_Desig_denovo	15819589	(C/T)
41690	CadSNP17285	<i>Desi</i>	Ca_Desig_denovo	15819670	(C/A)
41691	CadSNP17286	<i>Desi</i>	Ca_Desig_denovo	15824869	(G/A)
41692	CadSNP17287	<i>Desi</i>	Ca_Desig_denovo	15827680	(C/T)
41693	CadSNP17288	<i>Desi</i>	Ca_Desig_denovo	15840504	(A/C)
41694	CadSNP17289	<i>Desi</i>	Ca_Desig_denovo	15840505	(G/A)
41695	CadSNP17290	<i>Desi</i>	Ca_Desig_denovo	15841021	(A/G)
41696	CadSNP17291	<i>Desi</i>	Ca_Desig_denovo	15841052	(A/G)
41697	CadSNP17292	<i>Desi</i>	Ca_Desig_denovo	15844874	(A/C)
41698	CadSNP17293	<i>Desi</i>	Ca_Desig_denovo	15844876	(A/G)
41699	CadSNP17294	<i>Desi</i>	Ca_Desig_denovo	15848035	(T/G)
41700	CadSNP17295	<i>Desi</i>	Ca_Desig_denovo	15851587	(T/G)
41701	CadSNP17296	<i>Desi</i>	Ca_Desig_denovo	15851590	(G/C)
41702	CadSNP17297	<i>Desi</i>	Ca_Desig_denovo	15852304	(T/C)
41703	CadSNP17298	<i>Desi</i>	Ca_Desig_denovo	15862784	(G/T)
41704	CadSNP17299	<i>Desi</i>	Ca_Desig_denovo	15862811	(T/C)
41705	CadSNP17300	<i>Desi</i>	Ca_Desig_denovo	15867470	(C/G)
41706	CadSNP17301	<i>Desi</i>	Ca_Desig_denovo	15874269	(A/G)
41707	CadSNP17302	<i>Desi</i>	Ca_Desig_denovo	15874277	(G/A)
41708	CadSNP17303	<i>Desi</i>	Ca_Desig_denovo	15876350	(G/A)
41709	CadSNP17304	<i>Desi</i>	Ca_Desig_denovo	15876402	(A/G)
41710	CadSNP17305	<i>Desi</i>	Ca_Desig_denovo	15876555	(T/C)
41711	CadSNP17306	<i>Desi</i>	Ca_Desig_denovo	15876881	(A/G)
41712	CadSNP17307	<i>Desi</i>	Ca_Desig_denovo	15876888	(T/C)
41713	CadSNP17308	<i>Desi</i>	Ca_Desig_denovo	15876894	(T/C)
41714	CadSNP17309	<i>Desi</i>	Ca_Desig_denovo	15881166	(G/C)
41715	CadSNP17310	<i>Desi</i>	Ca_Desig_denovo	15881223	(G/T)
41716	CadSNP17311	<i>Desi</i>	Ca_Desig_denovo	15882049	(G/C)
41717	CadSNP17312	<i>Desi</i>	Ca_Desig_denovo	15882067	(T/C)
41718	CadSNP17313	<i>Desi</i>	Ca_Desig_denovo	15885333	(A/T)
41719	CadSNP17314	<i>Desi</i>	Ca_Desig_denovo	15885928	(G/A)
41720	CadSNP17315	<i>Desi</i>	Ca_Desig_denovo	15885952	(C/T)
41721	CadSNP17316	<i>Desi</i>	Ca_Desig_denovo	15888466	(T/C)
41722	CadSNP17317	<i>Desi</i>	Ca_Desig_denovo	15888493	(A/T)
41723	CadSNP17318	<i>Desi</i>	Ca_Desig_denovo	15888984	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41724	CadSNP17319	<i>Desi</i>	Ca_Desig_denovo	15889032	(C/T)
41725	CadSNP17320	<i>Desi</i>	Ca_Desig_denovo	15893114	(C/T)
41726	CadSNP17321	<i>Desi</i>	Ca_Desig_denovo	15893122	(G/C)
41727	CadSNP17322	<i>Desi</i>	Ca_Desig_denovo	15896737	(A/G)
41728	CadSNP17323	<i>Desi</i>	Ca_Desig_denovo	15896742	(C/T)
41729	CadSNP17324	<i>Desi</i>	Ca_Desig_denovo	15905063	(C/G)
41730	CadSNP17325	<i>Desi</i>	Ca_Desig_denovo	15905068	(A/C)
41731	CadSNP17326	<i>Desi</i>	Ca_Desig_denovo	15908003	(G/C)
41732	CadSNP17327	<i>Desi</i>	Ca_Desig_denovo	15919199	(C/T)
41733	CadSNP17328	<i>Desi</i>	Ca_Desig_denovo	15921277	(G/A)
41734	CadSNP17329	<i>Desi</i>	Ca_Desig_denovo	15922283	(T/C)
41735	CadSNP17330	<i>Desi</i>	Ca_Desig_denovo	15922286	(C/G)
41736	CadSNP17331	<i>Desi</i>	Ca_Desig_denovo	15928973	(C/G)
41737	CadSNP17332	<i>Desi</i>	Ca_Desig_denovo	15932223	(G/A)
41738	CadSNP17333	<i>Desi</i>	Ca_Desig_denovo	15933994	(C/G)
41739	CadSNP17334	<i>Desi</i>	Ca_Desig_denovo	15934060	(T/C)
41740	CadSNP17335	<i>Desi</i>	Ca_Desig_denovo	15934743	(C/T)
41741	CadSNP17336	<i>Desi</i>	Ca_Desig_denovo	15934748	(G/A)
41742	CadSNP17337	<i>Desi</i>	Ca_Desig_denovo	15936586	(T/G)
41743	CadSNP17338	<i>Desi</i>	Ca_Desig_denovo	15936592	(A/G)
41744	CadSNP17339	<i>Desi</i>	Ca_Desig_denovo	15940311	(A/G)
41745	CadSNP17340	<i>Desi</i>	Ca_Desig_denovo	15940346	(C/A)
41746	CadSNP17341	<i>Desi</i>	Ca_Desig_denovo	15941468	(A/G)
41747	CadSNP17342	<i>Desi</i>	Ca_Desig_denovo	15941474	(A/G)
41748	CadSNP17343	<i>Desi</i>	Ca_Desig_denovo	15942240	(T/G)
41749	CadSNP17344	<i>Desi</i>	Ca_Desig_denovo	15944393	(G/C)
41750	CadSNP17345	<i>Desi</i>	Ca_Desig_denovo	15946922	(C/G)
41751	CadSNP17346	<i>Desi</i>	Ca_Desig_denovo	15946964	(C/T)
41752	CadSNP17347	<i>Desi</i>	Ca_Desig_denovo	15947096	(C/G)
41753	CadSNP17348	<i>Desi</i>	Ca_Desig_denovo	15947107	(A/C)
41754	CadSNP17349	<i>Desi</i>	Ca_Desig_denovo	15947313	(C/T)
41755	CadSNP17350	<i>Desi</i>	Ca_Desig_denovo	15947360	(T/G)
41756	CadSNP17351	<i>Desi</i>	Ca_Desig_denovo	15952318	(G/A)
41757	CadSNP17352	<i>Desi</i>	Ca_Desig_denovo	15956033	(T/C)
41758	CadSNP17353	<i>Desi</i>	Ca_Desig_denovo	15958600	(A/G)
41759	CadSNP17354	<i>Desi</i>	Ca_Desig_denovo	15961008	(G/C)
41760	CadSNP17355	<i>Desi</i>	Ca_Desig_denovo	15963635	(A/G)
41761	CadSNP17356	<i>Desi</i>	Ca_Desig_denovo	15967308	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41762	CadSNP17357	<i>Desi</i>	Ca_Desig_denovo	15967471	(T/C)
41763	CadSNP17358	<i>Desi</i>	Ca_Desig_denovo	15967484	(G/A)
41764	CadSNP17359	<i>Desi</i>	Ca_Desig_denovo	15971177	(G/C)
41765	CadSNP17360	<i>Desi</i>	Ca_Desig_denovo	15971222	(G/C)
41766	CadSNP17361	<i>Desi</i>	Ca_Desig_denovo	15974404	(C/A)
41767	CadSNP17362	<i>Desi</i>	Ca_Desig_denovo	15976276	(C/A)
41768	CadSNP17363	<i>Desi</i>	Ca_Desig_denovo	15980626	(T/C)
41769	CadSNP17364	<i>Desi</i>	Ca_Desig_denovo	15980653	(C/G)
41770	CadSNP17365	<i>Desi</i>	Ca_Desig_denovo	15980656	(C/T)
41771	CadSNP17366	<i>Desi</i>	Ca_Desig_denovo	15981505	(T/C)
41772	CadSNP17367	<i>Desi</i>	Ca_Desig_denovo	15987165	(A/C)
41773	CadSNP17368	<i>Desi</i>	Ca_Desig_denovo	15987166	(G/T)
41774	CadSNP17369	<i>Desi</i>	Ca_Desig_denovo	15987281	(G/A)
41775	CadSNP17370	<i>Desi</i>	Ca_Desig_denovo	15987451	(T/G)
41776	CadSNP17371	<i>Desi</i>	Ca_Desig_denovo	15987454	(C/T)
41777	CadSNP17372	<i>Desi</i>	Ca_Desig_denovo	15989312	(T/G)
41778	CadSNP17373	<i>Desi</i>	Ca_Desig_denovo	15990155	(T/C)
41779	CadSNP17374	<i>Desi</i>	Ca_Desig_denovo	15990167	(C/T)
41780	CadSNP17375	<i>Desi</i>	Ca_Desig_denovo	15990543	(C/G)
41781	CadSNP17376	<i>Desi</i>	Ca_Desig_denovo	15990560	(C/G)
41782	CadSNP17377	<i>Desi</i>	Ca_Desig_denovo	15993786	(A/G)
41783	CadSNP17378	<i>Desi</i>	Ca_Desig_denovo	15993797	(A/G)
41784	CadSNP17379	<i>Desi</i>	Ca_Desig_denovo	15993813	(C/T)
41785	CadSNP17380	<i>Desi</i>	Ca_Desig_denovo	16001698	(C/G)
41786	CadSNP17381	<i>Desi</i>	Ca_Desig_denovo	16007366	(G/T)
41787	CadSNP17382	<i>Desi</i>	Ca_Desig_denovo	16007367	(T/C)
41788	CadSNP17383	<i>Desi</i>	Ca_Desig_denovo	16012100	(G/C)
41789	CadSNP17384	<i>Desi</i>	Ca_Desig_denovo	16012171	(C/T)
41790	CadSNP17385	<i>Desi</i>	Ca_Desig_denovo	16012180	(C/G)
41791	CadSNP17386	<i>Desi</i>	Ca_Desig_denovo	16012183	(C/T)
41792	CadSNP17387	<i>Desi</i>	Ca_Desig_denovo	16013738	(A/G)
41793	CadSNP17388	<i>Desi</i>	Ca_Desig_denovo	16015673	(G/A)
41794	CadSNP17389	<i>Desi</i>	Ca_Desig_denovo	16015681	(G/T)
41795	CadSNP17390	<i>Desi</i>	Ca_Desig_denovo	16016290	(C/T)
41796	CadSNP17391	<i>Desi</i>	Ca_Desig_denovo	16023111	(C/T)
41797	CadSNP17392	<i>Desi</i>	Ca_Desig_denovo	16027560	(G/C)
41798	CadSNP17393	<i>Desi</i>	Ca_Desig_denovo	16027579	(C/G)
41799	CadSNP17394	<i>Desi</i>	Ca_Desig_denovo	16048633	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41800	CadSNP17395	<i>Desi</i>	Ca_Desig_denovo	16050433	(A/G)
41801	CadSNP17396	<i>Desi</i>	Ca_Desig_denovo	16052975	(G/A)
41802	CadSNP17397	<i>Desi</i>	Ca_Desig_denovo	16052990	(A/G)
41803	CadSNP17398	<i>Desi</i>	Ca_Desig_denovo	16053691	(C/A)
41804	CadSNP17399	<i>Desi</i>	Ca_Desig_denovo	16068845	(G/A)
41805	CadSNP17400	<i>Desi</i>	Ca_Desig_denovo	16070618	(G/C)
41806	CadSNP17401	<i>Desi</i>	Ca_Desig_denovo	16070633	(C/T)
41807	CadSNP17402	<i>Desi</i>	Ca_Desig_denovo	16071180	(G/A)
41808	CadSNP17403	<i>Desi</i>	Ca_Desig_denovo	16073083	(G/A)
41809	CadSNP17404	<i>Desi</i>	Ca_Desig_denovo	16078276	(A/G)
41810	CadSNP17405	<i>Desi</i>	Ca_Desig_denovo	16081499	(C/G)
41811	CadSNP17406	<i>Desi</i>	Ca_Desig_denovo	16081502	(A/G)
41812	CadSNP17407	<i>Desi</i>	Ca_Desig_denovo	16082967	(A/G)
41813	CadSNP17408	<i>Desi</i>	Ca_Desig_denovo	16082985	(C/G)
41814	CadSNP17409	<i>Desi</i>	Ca_Desig_denovo	16085385	(C/G)
41815	CadSNP17410	<i>Desi</i>	Ca_Desig_denovo	16085390	(G/C)
41816	CadSNP17411	<i>Desi</i>	Ca_Desig_denovo	16097572	(A/G)
41817	CadSNP17412	<i>Desi</i>	Ca_Desig_denovo	16097617	(C/G)
41818	CadSNP17413	<i>Desi</i>	Ca_Desig_denovo	16130113	(C/A)
41819	CadSNP17414	<i>Desi</i>	Ca_Desig_denovo	16133410	(G/T)
41820	CadSNP17415	<i>Desi</i>	Ca_Desig_denovo	16133412	(T/C)
41821	CadSNP17416	<i>Desi</i>	Ca_Desig_denovo	16138498	(T/C)
41822	CadSNP17417	<i>Desi</i>	Ca_Desig_denovo	16145078	(T/C)
41823	CadSNP17418	<i>Desi</i>	Ca_Desig_denovo	16146068	(A/C)
41824	CadSNP17419	<i>Desi</i>	Ca_Desig_denovo	16146079	(C/T)
41825	CadSNP17420	<i>Desi</i>	Ca_Desig_denovo	16156286	(G/C)
41826	CadSNP17421	<i>Desi</i>	Ca_Desig_denovo	16157199	(G/A)
41827	CadSNP17422	<i>Desi</i>	Ca_Desig_denovo	16157223	(A/C)
41828	CadSNP17423	<i>Desi</i>	Ca_Desig_denovo	16162682	(G/A)
41829	CadSNP17424	<i>Desi</i>	Ca_Desig_denovo	16175879	(G/A)
41830	CadSNP17425	<i>Desi</i>	Ca_Desig_denovo	16175941	(T/C)
41831	CadSNP17426	<i>Desi</i>	Ca_Desig_denovo	16182913	(G/T)
41832	CadSNP17427	<i>Desi</i>	Ca_Desig_denovo	16194407	(A/T)
41833	CadSNP17428	<i>Desi</i>	Ca_Desig_denovo	16202847	(C/T)
41834	CadSNP17429	<i>Desi</i>	Ca_Desig_denovo	16205008	(C/G)
41835	CadSNP17430	<i>Desi</i>	Ca_Desig_denovo	16212745	(C/T)
41836	CadSNP17431	<i>Desi</i>	Ca_Desig_denovo	16212775	(G/T)
41837	CadSNP17432	<i>Desi</i>	Ca_Desig_denovo	16213778	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41838	CadSNP17433	<i>Desi</i>	Ca_Desig_denovo	16213805	(A/C)
41839	CadSNP17434	<i>Desi</i>	Ca_Desig_denovo	16219310	(C/T)
41840	CadSNP17435	<i>Desi</i>	Ca_Desig_denovo	16223039	(A/G)
41841	CadSNP17436	<i>Desi</i>	Ca_Desig_denovo	16224145	(G/T)
41842	CadSNP17437	<i>Desi</i>	Ca_Desig_denovo	16224183	(T/C)
41843	CadSNP17438	<i>Desi</i>	Ca_Desig_denovo	16231341	(G/C)
41844	CadSNP17439	<i>Desi</i>	Ca_Desig_denovo	16234546	(A/C)
41845	CadSNP17440	<i>Desi</i>	Ca_Desig_denovo	16242038	(C/T)
41846	CadSNP17441	<i>Desi</i>	Ca_Desig_denovo	16242067	(A/G)
41847	CadSNP17442	<i>Desi</i>	Ca_Desig_denovo	16242880	(G/A)
41848	CadSNP17443	<i>Desi</i>	Ca_Desig_denovo	16248797	(T/C)
41849	CadSNP17444	<i>Desi</i>	Ca_Desig_denovo	16251770	(G/A)
41850	CadSNP17445	<i>Desi</i>	Ca_Desig_denovo	16251826	(C/T)
41851	CadSNP17446	<i>Desi</i>	Ca_Desig_denovo	16253363	(G/A)
41852	CadSNP17447	<i>Desi</i>	Ca_Desig_denovo	16254089	(G/T)
41853	CadSNP17448	<i>Desi</i>	Ca_Desig_denovo	16254091	(C/G)
41854	CadSNP17449	<i>Desi</i>	Ca_Desig_denovo	16257169	(C/G)
41855	CadSNP17450	<i>Desi</i>	Ca_Desig_denovo	16261447	(A/G)
41856	CadSNP17451	<i>Desi</i>	Ca_Desig_denovo	16270173	(A/G)
41857	CadSNP17452	<i>Desi</i>	Ca_Desig_denovo	16278368	(C/T)
41858	CadSNP17453	<i>Desi</i>	Ca_Desig_denovo	16278377	(C/G)
41859	CadSNP17454	<i>Desi</i>	Ca_Desig_denovo	16281257	(T/C)
41860	CadSNP17455	<i>Desi</i>	Ca_Desig_denovo	16281272	(G/A)
41861	CadSNP17456	<i>Desi</i>	Ca_Desig_denovo	16281444	(A/G)
41862	CadSNP17457	<i>Desi</i>	Ca_Desig_denovo	16282369	(C/G)
41863	CadSNP17458	<i>Desi</i>	Ca_Desig_denovo	16283218	(C/G)
41864	CadSNP17459	<i>Desi</i>	Ca_Desig_denovo	16283278	(A/G)
41865	CadSNP17460	<i>Desi</i>	Ca_Desig_denovo	16286202	(C/T)
41866	CadSNP17461	<i>Desi</i>	Ca_Desig_denovo	16289802	(G/A)
41867	CadSNP17462	<i>Desi</i>	Ca_Desig_denovo	16293113	(T/G)
41868	CadSNP17463	<i>Desi</i>	Ca_Desig_denovo	16294468	(C/G)
41869	CadSNP17464	<i>Desi</i>	Ca_Desig_denovo	16294480	(C/T)
41870	CadSNP17465	<i>Desi</i>	Ca_Desig_denovo	16297817	(G/A)
41871	CadSNP17466	<i>Desi</i>	Ca_Desig_denovo	16302926	(G/C)
41872	CadSNP17467	<i>Desi</i>	Ca_Desig_denovo	16304684	(C/T)
41873	CadSNP17468	<i>Desi</i>	Ca_Desig_denovo	16304687	(T/C)
41874	CadSNP17469	<i>Desi</i>	Ca_Desig_denovo	16306468	(G/C)
41875	CadSNP17470	<i>Desi</i>	Ca_Desig_denovo	16306645	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41876	CadSNP17471	<i>Desi</i>	Ca_Desig_denovo	16309975	(T/A)
41877	CadSNP17472	<i>Desi</i>	Ca_Desig_denovo	16312315	(G/A)
41878	CadSNP17473	<i>Desi</i>	Ca_Desig_denovo	16312378	(A/G)
41879	CadSNP17474	<i>Desi</i>	Ca_Desig_denovo	16316851	(G/A)
41880	CadSNP17475	<i>Desi</i>	Ca_Desig_denovo	16325156	(A/G)
41881	CadSNP17476	<i>Desi</i>	Ca_Desig_denovo	16325989	(G/A)
41882	CadSNP17477	<i>Desi</i>	Ca_Desig_denovo	16326001	(A/G)
41883	CadSNP17478	<i>Desi</i>	Ca_Desig_denovo	16326099	(G/A)
41884	CadSNP17479	<i>Desi</i>	Ca_Desig_denovo	16328356	(G/A)
41885	CadSNP17480	<i>Desi</i>	Ca_Desig_denovo	16330458	(T/C)
41886	CadSNP17481	<i>Desi</i>	Ca_Desig_denovo	16330500	(T/C)
41887	CadSNP17482	<i>Desi</i>	Ca_Desig_denovo	16332316	(A/G)
41888	CadSNP17483	<i>Desi</i>	Ca_Desig_denovo	16332337	(G/T)
41889	CadSNP17484	<i>Desi</i>	Ca_Desig_denovo	16336066	(C/T)
41890	CadSNP17485	<i>Desi</i>	Ca_Desig_denovo	16337371	(A/G)
41891	CadSNP17486	<i>Desi</i>	Ca_Desig_denovo	16339685	(A/G)
41892	CadSNP17487	<i>Desi</i>	Ca_Desig_denovo	16339720	(C/A)
41893	CadSNP17488	<i>Desi</i>	Ca_Desig_denovo	16343743	(A/G)
41894	CadSNP17489	<i>Desi</i>	Ca_Desig_denovo	16343904	(A/C)
41895	CadSNP17490	<i>Desi</i>	Ca_Desig_denovo	16343912	(T/C)
41896	CadSNP17491	<i>Desi</i>	Ca_Desig_denovo	16345873	(A/G)
41897	CadSNP17492	<i>Desi</i>	Ca_Desig_denovo	16348027	(C/G)
41898	CadSNP17493	<i>Desi</i>	Ca_Desig_denovo	16351847	(T/C)
41899	CadSNP17494	<i>Desi</i>	Ca_Desig_denovo	16354070	(G/A)
41900	CadSNP17495	<i>Desi</i>	Ca_Desig_denovo	16354109	(G/A)
41901	CadSNP17496	<i>Desi</i>	Ca_Desig_denovo	16354670	(G/C)
41902	CadSNP17497	<i>Desi</i>	Ca_Desig_denovo	16354671	(C/T)
41903	CadSNP17498	<i>Desi</i>	Ca_Desig_denovo	16357127	(T/G)
41904	CadSNP17499	<i>Desi</i>	Ca_Desig_denovo	16357169	(G/C)
41905	CadSNP17500	<i>Desi</i>	Ca_Desig_denovo	16357703	(A/C)
41906	CadSNP17501	<i>Desi</i>	Ca_Desig_denovo	16357744	(C/G)
41907	CadSNP17502	<i>Desi</i>	Ca_Desig_denovo	16361333	(C/T)
41908	CadSNP17503	<i>Desi</i>	Ca_Desig_denovo	16361342	(C/T)
41909	CadSNP17504	<i>Desi</i>	Ca_Desig_denovo	16365868	(C/G)
41910	CadSNP17505	<i>Desi</i>	Ca_Desig_denovo	16365902	(G/A)
41911	CadSNP17506	<i>Desi</i>	Ca_Desig_denovo	16365941	(A/G)
41912	CadSNP17507	<i>Desi</i>	Ca_Desig_denovo	16369216	(G/A)
41913	CadSNP17508	<i>Desi</i>	Ca_Desig_denovo	16369246	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41914	CadSNP17509	<i>Desi</i>	Ca_Desig_denovo	16391830	(C/T)
41915	CadSNP17510	<i>Desi</i>	Ca_Desig_denovo	16395373	(T/C)
41916	CadSNP17511	<i>Desi</i>	Ca_Desig_denovo	16408025	(T/A)
41917	CadSNP17512	<i>Desi</i>	Ca_Desig_denovo	16415017	(G/C)
41918	CadSNP17513	<i>Desi</i>	Ca_Desig_denovo	16415056	(G/T)
41919	CadSNP17514	<i>Desi</i>	Ca_Desig_denovo	16417752	(C/T)
41920	CadSNP17515	<i>Desi</i>	Ca_Desig_denovo	16423630	(A/G)
41921	CadSNP17516	<i>Desi</i>	Ca_Desig_denovo	16423654	(T/C)
41922	CadSNP17517	<i>Desi</i>	Ca_Desig_denovo	16428510	(G/T)
41923	CadSNP17518	<i>Desi</i>	Ca_Desig_denovo	16428516	(G/T)
41924	CadSNP17519	<i>Desi</i>	Ca_Desig_denovo	16428521	(T/G)
41925	CadSNP17520	<i>Desi</i>	Ca_Desig_denovo	16428538	(T/G)
41926	CadSNP17521	<i>Desi</i>	Ca_Desig_denovo	16430533	(T/G)
41927	CadSNP17522	<i>Desi</i>	Ca_Desig_denovo	16430905	(T/G)
41928	CadSNP17523	<i>Desi</i>	Ca_Desig_denovo	16430948	(A/G)
41929	CadSNP17524	<i>Desi</i>	Ca_Desig_denovo	16436650	(T/C)
41930	CadSNP17525	<i>Desi</i>	Ca_Desig_denovo	16436889	(C/G)
41931	CadSNP17526	<i>Desi</i>	Ca_Desig_denovo	16436965	(T/G)
41932	CadSNP17527	<i>Desi</i>	Ca_Desig_denovo	16436986	(G/A)
41933	CadSNP17528	<i>Desi</i>	Ca_Desig_denovo	16446146	(C/T)
41934	CadSNP17529	<i>Desi</i>	Ca_Desig_denovo	16452085	(C/A)
41935	CadSNP17530	<i>Desi</i>	Ca_Desig_denovo	16452142	(A/C)
41936	CadSNP17531	<i>Desi</i>	Ca_Desig_denovo	16456105	(T/C)
41937	CadSNP17532	<i>Desi</i>	Ca_Desig_denovo	16459157	(T/C)
41938	CadSNP17533	<i>Desi</i>	Ca_Desig_denovo	16462355	(C/A)
41939	CadSNP17534	<i>Desi</i>	Ca_Desig_denovo	16462357	(A/G)
41940	CadSNP17535	<i>Desi</i>	Ca_Desig_denovo	16471723	(G/A)
41941	CadSNP17536	<i>Desi</i>	Ca_Desig_denovo	16471750	(A/G)
41942	CadSNP17537	<i>Desi</i>	Ca_Desig_denovo	16479755	(G/C)
41943	CadSNP17538	<i>Desi</i>	Ca_Desig_denovo	16489661	(T/A)
41944	CadSNP17539	<i>Desi</i>	Ca_Desig_denovo	16489684	(C/A)
41945	CadSNP17540	<i>Desi</i>	Ca_Desig_denovo	16492055	(T/C)
41946	CadSNP17541	<i>Desi</i>	Ca_Desig_denovo	16494845	(C/T)
41947	CadSNP17542	<i>Desi</i>	Ca_Desig_denovo	16498514	(C/T)
41948	CadSNP17543	<i>Desi</i>	Ca_Desig_denovo	16502372	(C/G)
41949	CadSNP17544	<i>Desi</i>	Ca_Desig_denovo	16505021	(G/A)
41950	CadSNP17545	<i>Desi</i>	Ca_Desig_denovo	16512667	(C/T)
41951	CadSNP17546	<i>Desi</i>	Ca_Desig_denovo	16517077	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41952	CadSNP17547	<i>Desi</i>	Ca_Desig_denovo	16519879	(A/G)
41953	CadSNP17548	<i>Desi</i>	Ca_Desig_denovo	16519909	(G/A)
41954	CadSNP17549	<i>Desi</i>	Ca_Desig_denovo	16521457	(G/A)
41955	CadSNP17550	<i>Desi</i>	Ca_Desig_denovo	16524532	(T/C)
41956	CadSNP17551	<i>Desi</i>	Ca_Desig_denovo	16527179	(T/C)
41957	CadSNP17552	<i>Desi</i>	Ca_Desig_denovo	16527188	(T/C)
41958	CadSNP17553	<i>Desi</i>	Ca_Desig_denovo	16528625	(G/A)
41959	CadSNP17554	<i>Desi</i>	Ca_Desig_denovo	16529006	(G/T)
41960	CadSNP17555	<i>Desi</i>	Ca_Desig_denovo	16533248	(G/T)
41961	CadSNP17556	<i>Desi</i>	Ca_Desig_denovo	16537185	(C/T)
41962	CadSNP17557	<i>Desi</i>	Ca_Desig_denovo	16541837	(G/C)
41963	CadSNP17558	<i>Desi</i>	Ca_Desig_denovo	16542835	(T/G)
41964	CadSNP17559	<i>Desi</i>	Ca_Desig_denovo	16545958	(G/C)
41965	CadSNP17560	<i>Desi</i>	Ca_Desig_denovo	16549742	(C/A)
41966	CadSNP17561	<i>Desi</i>	Ca_Desig_denovo	16549765	(A/G)
41967	CadSNP17562	<i>Desi</i>	Ca_Desig_denovo	16555322	(C/T)
41968	CadSNP17563	<i>Desi</i>	Ca_Desig_denovo	16562523	(T/G)
41969	CadSNP17564	<i>Desi</i>	Ca_Desig_denovo	16566307	(G/C)
41970	CadSNP17565	<i>Desi</i>	Ca_Desig_denovo	16571681	(T/G)
41971	CadSNP17566	<i>Desi</i>	Ca_Desig_denovo	16589729	(G/A)
41972	CadSNP17567	<i>Desi</i>	Ca_Desig_denovo	16590519	(G/A)
41973	CadSNP17568	<i>Desi</i>	Ca_Desig_denovo	16590859	(T/G)
41974	CadSNP17569	<i>Desi</i>	Ca_Desig_denovo	16593538	(T/C)
41975	CadSNP17570	<i>Desi</i>	Ca_Desig_denovo	16594382	(G/A)
41976	CadSNP17571	<i>Desi</i>	Ca_Desig_denovo	16594409	(G/C)
41977	CadSNP17572	<i>Desi</i>	Ca_Desig_denovo	16595599	(T/C)
41978	CadSNP17573	<i>Desi</i>	Ca_Desig_denovo	16601733	(C/G)
41979	CadSNP17574	<i>Desi</i>	Ca_Desig_denovo	16601771	(T/C)
41980	CadSNP17575	<i>Desi</i>	Ca_Desig_denovo	16609768	(G/A)
41981	CadSNP17576	<i>Desi</i>	Ca_Desig_denovo	16609920	(G/A)
41982	CadSNP17577	<i>Desi</i>	Ca_Desig_denovo	16611522	(A/G)
41983	CadSNP17578	<i>Desi</i>	Ca_Desig_denovo	16617726	(C/T)
41984	CadSNP17579	<i>Desi</i>	Ca_Desig_denovo	16617737	(A/G)
41985	CadSNP17580	<i>Desi</i>	Ca_Desig_denovo	16621598	(G/A)
41986	CadSNP17581	<i>Desi</i>	Ca_Desig_denovo	16622090	(C/T)
41987	CadSNP17582	<i>Desi</i>	Ca_Desig_denovo	16622827	(C/G)
41988	CadSNP17583	<i>Desi</i>	Ca_Desig_denovo	16633533	(G/C)
41989	CadSNP17584	<i>Desi</i>	Ca_Desig_denovo	16633538	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
41990	CadSNP17585	<i>Desi</i>	Ca_Desig_denovo	16635414	(T/A)
41991	CadSNP17586	<i>Desi</i>	Ca_Desig_denovo	16635451	(G/A)
41992	CadSNP17587	<i>Desi</i>	Ca_Desig_denovo	16636991	(T/C)
41993	CadSNP17588	<i>Desi</i>	Ca_Desig_denovo	16645638	(G/A)
41994	CadSNP17589	<i>Desi</i>	Ca_Desig_denovo	16646680	(T/G)
41995	CadSNP17590	<i>Desi</i>	Ca_Desig_denovo	16666824	(A/G)
41996	CadSNP17591	<i>Desi</i>	Ca_Desig_denovo	16669175	(C/A)
41997	CadSNP17592	<i>Desi</i>	Ca_Desig_denovo	16669178	(C/G)
41998	CadSNP17593	<i>Desi</i>	Ca_Desig_denovo	16669426	(C/T)
41999	CadSNP17594	<i>Desi</i>	Ca_Desig_denovo	16669428	(A/G)
42000	CadSNP17595	<i>Desi</i>	Ca_Desig_denovo	16678589	(C/T)
42001	CadSNP17596	<i>Desi</i>	Ca_Desig_denovo	16679130	(T/C)
42002	CadSNP17597	<i>Desi</i>	Ca_Desig_denovo	16680307	(C/T)
42003	CadSNP17598	<i>Desi</i>	Ca_Desig_denovo	16681908	(G/C)
42004	CadSNP17599	<i>Desi</i>	Ca_Desig_denovo	16685613	(C/A)
42005	CadSNP17600	<i>Desi</i>	Ca_Desig_denovo	16692969	(T/C)
42006	CadSNP17601	<i>Desi</i>	Ca_Desig_denovo	16692994	(C/G)
42007	CadSNP17602	<i>Desi</i>	Ca_Desig_denovo	16697352	(C/T)
42008	CadSNP17603	<i>Desi</i>	Ca_Desig_denovo	16702248	(G/T)
42009	CadSNP17604	<i>Desi</i>	Ca_Desig_denovo	16702914	(G/C)
42010	CadSNP17605	<i>Desi</i>	Ca_Desig_denovo	16702932	(T/C)
42011	CadSNP17606	<i>Desi</i>	Ca_Desig_denovo	16702936	(C/A)
42012	CadSNP17607	<i>Desi</i>	Ca_Desig_denovo	16707529	(G/A)
42013	CadSNP17608	<i>Desi</i>	Ca_Desig_denovo	16715680	(C/T)
42014	CadSNP17609	<i>Desi</i>	Ca_Desig_denovo	16716311	(G/A)
42015	CadSNP17610	<i>Desi</i>	Ca_Desig_denovo	16716357	(C/A)
42016	CadSNP17611	<i>Desi</i>	Ca_Desig_denovo	16719392	(C/T)
42017	CadSNP17612	<i>Desi</i>	Ca_Desig_denovo	16719394	(G/A)
42018	CadSNP17613	<i>Desi</i>	Ca_Desig_denovo	16720371	(T/G)
42019	CadSNP17614	<i>Desi</i>	Ca_Desig_denovo	16728135	(A/G)
42020	CadSNP17615	<i>Desi</i>	Ca_Desig_denovo	16728183	(G/A)
42021	CadSNP17616	<i>Desi</i>	Ca_Desig_denovo	16733969	(A/T)
42022	CadSNP17617	<i>Desi</i>	Ca_Desig_denovo	16733974	(G/A)
42023	CadSNP17618	<i>Desi</i>	Ca_Desig_denovo	16734986	(C/T)
42024	CadSNP17619	<i>Desi</i>	Ca_Desig_denovo	16735042	(C/T)
42025	CadSNP17620	<i>Desi</i>	Ca_Desig_denovo	16755702	(A/G)
42026	CadSNP17621	<i>Desi</i>	Ca_Desig_denovo	16758683	(T/G)
42027	CadSNP17622	<i>Desi</i>	Ca_Desig_denovo	16766825	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42028	CadSNP17623	<i>Desi</i>	Ca_Desig_denovo	16766835	(T/C)
42029	CadSNP17624	<i>Desi</i>	Ca_Desig_denovo	16773884	(T/G)
42030	CadSNP17625	<i>Desi</i>	Ca_Desig_denovo	16778702	(G/A)
42031	CadSNP17626	<i>Desi</i>	Ca_Desig_denovo	16778732	(A/G)
42032	CadSNP17627	<i>Desi</i>	Ca_Desig_denovo	16780727	(T/G)
42033	CadSNP17628	<i>Desi</i>	Ca_Desig_denovo	16798699	(T/C)
42034	CadSNP17629	<i>Desi</i>	Ca_Desig_denovo	16798708	(A/G)
42035	CadSNP17630	<i>Desi</i>	Ca_Desig_denovo	16801487	(T/C)
42036	CadSNP17631	<i>Desi</i>	Ca_Desig_denovo	16801496	(C/G)
42037	CadSNP17632	<i>Desi</i>	Ca_Desig_denovo	16809886	(A/G)
42038	CadSNP17633	<i>Desi</i>	Ca_Desig_denovo	16809910	(G/A)
42039	CadSNP17634	<i>Desi</i>	Ca_Desig_denovo	16812920	(G/A)
42040	CadSNP17635	<i>Desi</i>	Ca_Desig_denovo	16829010	(G/A)
42041	CadSNP17636	<i>Desi</i>	Ca_Desig_denovo	16830140	(G/A)
42042	CadSNP17637	<i>Desi</i>	Ca_Desig_denovo	16830406	(C/A)
42043	CadSNP17638	<i>Desi</i>	Ca_Desig_denovo	16836940	(T/C)
42044	CadSNP17639	<i>Desi</i>	Ca_Desig_denovo	16844750	(C/T)
42045	CadSNP17640	<i>Desi</i>	Ca_Desig_denovo	16844810	(A/G)
42046	CadSNP17641	<i>Desi</i>	Ca_Desig_denovo	16845042	(C/T)
42047	CadSNP17642	<i>Desi</i>	Ca_Desig_denovo	16845073	(G/A)
42048	CadSNP17643	<i>Desi</i>	Ca_Desig_denovo	16853841	(A/G)
42049	CadSNP17644	<i>Desi</i>	Ca_Desig_denovo	16853862	(T/A)
42050	CadSNP17645	<i>Desi</i>	Ca_Desig_denovo	16865745	(T/C)
42051	CadSNP17646	<i>Desi</i>	Ca_Desig_denovo	16865748	(G/A)
42052	CadSNP17647	<i>Desi</i>	Ca_Desig_denovo	16868363	(A/G)
42053	CadSNP17648	<i>Desi</i>	Ca_Desig_denovo	16868405	(A/G)
42054	CadSNP17649	<i>Desi</i>	Ca_Desig_denovo	16869682	(G/C)
42055	CadSNP17650	<i>Desi</i>	Ca_Desig_denovo	16879660	(T/G)
42056	CadSNP17651	<i>Desi</i>	Ca_Desig_denovo	16885729	(G/A)
42057	CadSNP17652	<i>Desi</i>	Ca_Desig_denovo	16888026	(A/G)
42058	CadSNP17653	<i>Desi</i>	Ca_Desig_denovo	16890697	(C/T)
42059	CadSNP17654	<i>Desi</i>	Ca_Desig_denovo	16894026	(C/T)
42060	CadSNP17655	<i>Desi</i>	Ca_Desig_denovo	16894028	(G/C)
42061	CadSNP17656	<i>Desi</i>	Ca_Desig_denovo	16895448	(C/A)
42062	CadSNP17657	<i>Desi</i>	Ca_Desig_denovo	16895621	(A/G)
42063	CadSNP17658	<i>Desi</i>	Ca_Desig_denovo	16895648	(T/C)
42064	CadSNP17659	<i>Desi</i>	Ca_Desig_denovo	16898053	(G/A)
42065	CadSNP17660	<i>Desi</i>	Ca_Desig_denovo	16901660	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42066	CadSNP17661	<i>Desi</i>	Ca_Desig_denovo	16902745	(G/T)
42067	CadSNP17662	<i>Desi</i>	Ca_Desig_denovo	16906091	(C/A)
42068	CadSNP17663	<i>Desi</i>	Ca_Desig_denovo	16906097	(C/T)
42069	CadSNP17664	<i>Desi</i>	Ca_Desig_denovo	16906099	(A/T)
42070	CadSNP17665	<i>Desi</i>	Ca_Desig_denovo	16906328	(G/A)
42071	CadSNP17666	<i>Desi</i>	Ca_Desig_denovo	16906333	(C/T)
42072	CadSNP17667	<i>Desi</i>	Ca_Desig_denovo	16909235	(A/C)
42073	CadSNP17668	<i>Desi</i>	Ca_Desig_denovo	16909567	(C/G)
42074	CadSNP17669	<i>Desi</i>	Ca_Desig_denovo	16909594	(A/G)
42075	CadSNP17670	<i>Desi</i>	Ca_Desig_denovo	16917526	(C/T)
42076	CadSNP17671	<i>Desi</i>	Ca_Desig_denovo	16917538	(C/G)
42077	CadSNP17672	<i>Desi</i>	Ca_Desig_denovo	16922812	(T/C)
42078	CadSNP17673	<i>Desi</i>	Ca_Desig_denovo	16931599	(A/G)
42079	CadSNP17674	<i>Desi</i>	Ca_Desig_denovo	16931670	(T/G)
42080	CadSNP17675	<i>Desi</i>	Ca_Desig_denovo	16936857	(T/C)
42081	CadSNP17676	<i>Desi</i>	Ca_Desig_denovo	16937263	(A/G)
42082	CadSNP17677	<i>Desi</i>	Ca_Desig_denovo	16944380	(C/T)
42083	CadSNP17678	<i>Desi</i>	Ca_Desig_denovo	16947744	(T/G)
42084	CadSNP17679	<i>Desi</i>	Ca_Desig_denovo	16955201	(A/C)
42085	CadSNP17680	<i>Desi</i>	Ca_Desig_denovo	16959293	(A/C)
42086	CadSNP17681	<i>Desi</i>	Ca_Desig_denovo	16970225	(G/C)
42087	CadSNP17682	<i>Desi</i>	Ca_Desig_denovo	16970237	(A/C)
42088	CadSNP17683	<i>Desi</i>	Ca_Desig_denovo	16970468	(A/C)
42089	CadSNP17684	<i>Desi</i>	Ca_Desig_denovo	16976714	(G/A)
42090	CadSNP17685	<i>Desi</i>	Ca_Desig_denovo	16976726	(A/G)
42091	CadSNP17686	<i>Desi</i>	Ca_Desig_denovo	16980980	(G/C)
42092	CadSNP17687	<i>Desi</i>	Ca_Desig_denovo	16982746	(C/T)
42093	CadSNP17688	<i>Desi</i>	Ca_Desig_denovo	16985611	(T/G)
42094	CadSNP17689	<i>Desi</i>	Ca_Desig_denovo	16988464	(C/G)
42095	CadSNP17690	<i>Desi</i>	Ca_Desig_denovo	16988473	(T/C)
42096	CadSNP17691	<i>Desi</i>	Ca_Desig_denovo	16992720	(T/A)
42097	CadSNP17692	<i>Desi</i>	Ca_Desig_denovo	16999290	(A/G)
42098	CadSNP17693	<i>Desi</i>	Ca_Desig_denovo	16999322	(C/T)
42099	CadSNP17694	<i>Desi</i>	Ca_Desig_denovo	16999352	(T/G)
42100	CadSNP17695	<i>Desi</i>	Ca_Desig_denovo	17000658	(G/A)
42101	CadSNP17696	<i>Desi</i>	Ca_Desig_denovo	17004226	(G/T)
42102	CadSNP17697	<i>Desi</i>	Ca_Desig_denovo	17004245	(G/C)
42103	CadSNP17698	<i>Desi</i>	Ca_Desig_denovo	17020165	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42104	CadSNP17699	<i>Desi</i>	Ca_Desig_denovo	17023928	(G/C)
42105	CadSNP17700	<i>Desi</i>	Ca_Desig_denovo	17025122	(A/G)
42106	CadSNP17701	<i>Desi</i>	Ca_Desig_denovo	17028401	(G/C)
42107	CadSNP17702	<i>Desi</i>	Ca_Desig_denovo	17028434	(C/T)
42108	CadSNP17703	<i>Desi</i>	Ca_Desig_denovo	17028596	(G/A)
42109	CadSNP17704	<i>Desi</i>	Ca_Desig_denovo	17030635	(C/T)
42110	CadSNP17705	<i>Desi</i>	Ca_Desig_denovo	17030642	(G/A)
42111	CadSNP17706	<i>Desi</i>	Ca_Desig_denovo	17030822	(C/T)
42112	CadSNP17707	<i>Desi</i>	Ca_Desig_denovo	17030829	(G/A)
42113	CadSNP17708	<i>Desi</i>	Ca_Desig_denovo	17047373	(T/C)
42114	CadSNP17709	<i>Desi</i>	Ca_Desig_denovo	17047406	(G/A)
42115	CadSNP17710	<i>Desi</i>	Ca_Desig_denovo	17050420	(G/A)
42116	CadSNP17711	<i>Desi</i>	Ca_Desig_denovo	17050423	(C/G)
42117	CadSNP17712	<i>Desi</i>	Ca_Desig_denovo	17052116	(C/T)
42118	CadSNP17713	<i>Desi</i>	Ca_Desig_denovo	17052188	(C/G)
42119	CadSNP17714	<i>Desi</i>	Ca_Desig_denovo	17055625	(C/A)
42120	CadSNP17715	<i>Desi</i>	Ca_Desig_denovo	17066822	(C/T)
42121	CadSNP17716	<i>Desi</i>	Ca_Desig_denovo	17068313	(A/G)
42122	CadSNP17717	<i>Desi</i>	Ca_Desig_denovo	17068319	(G/T)
42123	CadSNP17718	<i>Desi</i>	Ca_Desig_denovo	17068957	(G/A)
42124	CadSNP17719	<i>Desi</i>	Ca_Desig_denovo	17068970	(G/A)
42125	CadSNP17720	<i>Desi</i>	Ca_Desig_denovo	17073917	(T/C)
42126	CadSNP17721	<i>Desi</i>	Ca_Desig_denovo	17075017	(G/A)
42127	CadSNP17722	<i>Desi</i>	Ca_Desig_denovo	17080969	(A/C)
42128	CadSNP17723	<i>Desi</i>	Ca_Desig_denovo	17080990	(T/C)
42129	CadSNP17724	<i>Desi</i>	Ca_Desig_denovo	17082455	(C/T)
42130	CadSNP17725	<i>Desi</i>	Ca_Desig_denovo	17084404	(T/C)
42131	CadSNP17726	<i>Desi</i>	Ca_Desig_denovo	17088664	(G/A)
42132	CadSNP17727	<i>Desi</i>	Ca_Desig_denovo	17099315	(T/C)
42133	CadSNP17728	<i>Desi</i>	Ca_Desig_denovo	17099339	(G/C)
42134	CadSNP17729	<i>Desi</i>	Ca_Desig_denovo	17100653	(C/G)
42135	CadSNP17730	<i>Desi</i>	Ca_Desig_denovo	17101787	(T/C)
42136	CadSNP17731	<i>Desi</i>	Ca_Desig_denovo	17102348	(C/G)
42137	CadSNP17732	<i>Desi</i>	Ca_Desig_denovo	17106461	(G/A)
42138	CadSNP17733	<i>Desi</i>	Ca_Desig_denovo	17106473	(A/G)
42139	CadSNP17734	<i>Desi</i>	Ca_Desig_denovo	17107011	(G/A)
42140	CadSNP17735	<i>Desi</i>	Ca_Desig_denovo	17107020	(C/T)
42141	CadSNP17736	<i>Desi</i>	Ca_Desig_denovo	17107939	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42142	CadSNP17737	<i>Desi</i>	Ca_Desig_denovo	17108578	(A/T)
42143	CadSNP17738	<i>Desi</i>	Ca_Desig_denovo	17108609	(A/G)
42144	CadSNP17739	<i>Desi</i>	Ca_Desig_denovo	17119828	(T/G)
42145	CadSNP17740	<i>Desi</i>	Ca_Desig_denovo	17124400	(G/C)
42146	CadSNP17741	<i>Desi</i>	Ca_Desig_denovo	17124425	(A/G)
42147	CadSNP17742	<i>Desi</i>	Ca_Desig_denovo	17126947	(T/C)
42148	CadSNP17743	<i>Desi</i>	Ca_Desig_denovo	17135831	(C/T)
42149	CadSNP17744	<i>Desi</i>	Ca_Desig_denovo	17136344	(A/G)
42150	CadSNP17745	<i>Desi</i>	Ca_Desig_denovo	17136351	(T/A)
42151	CadSNP17746	<i>Desi</i>	Ca_Desig_denovo	17144860	(A/G)
42152	CadSNP17747	<i>Desi</i>	Ca_Desig_denovo	17144914	(A/C)
42153	CadSNP17748	<i>Desi</i>	Ca_Desig_denovo	17148091	(A/G)
42154	CadSNP17749	<i>Desi</i>	Ca_Desig_denovo	17148169	(T/C)
42155	CadSNP17750	<i>Desi</i>	Ca_Desig_denovo	17153386	(A/C)
42156	CadSNP17751	<i>Desi</i>	Ca_Desig_denovo	17159475	(G/A)
42157	CadSNP17752	<i>Desi</i>	Ca_Desig_denovo	17159478	(T/G)
42158	CadSNP17753	<i>Desi</i>	Ca_Desig_denovo	17162793	(G/T)
42159	CadSNP17754	<i>Desi</i>	Ca_Desig_denovo	17162811	(C/G)
42160	CadSNP17755	<i>Desi</i>	Ca_Desig_denovo	17169667	(C/A)
42161	CadSNP17756	<i>Desi</i>	Ca_Desig_denovo	17169701	(T/G)
42162	CadSNP17757	<i>Desi</i>	Ca_Desig_denovo	17169744	(C/T)
42163	CadSNP17758	<i>Desi</i>	Ca_Desig_denovo	17169753	(A/G)
42164	CadSNP17759	<i>Desi</i>	Ca_Desig_denovo	17183346	(A/G)
42165	CadSNP17760	<i>Desi</i>	Ca_Desig_denovo	17184454	(A/G)
42166	CadSNP17761	<i>Desi</i>	Ca_Desig_denovo	17190908	(C/A)
42167	CadSNP17762	<i>Desi</i>	Ca_Desig_denovo	17190921	(C/G)
42168	CadSNP17763	<i>Desi</i>	Ca_Desig_denovo	17197398	(T/G)
42169	CadSNP17764	<i>Desi</i>	Ca_Desig_denovo	17201943	(G/A)
42170	CadSNP17765	<i>Desi</i>	Ca_Desig_denovo	17202973	(G/C)
42171	CadSNP17766	<i>Desi</i>	Ca_Desig_denovo	17204255	(G/C)
42172	CadSNP17767	<i>Desi</i>	Ca_Desig_denovo	17204924	(G/T)
42173	CadSNP17768	<i>Desi</i>	Ca_Desig_denovo	17204929	(G/C)
42174	CadSNP17769	<i>Desi</i>	Ca_Desig_denovo	17205327	(A/G)
42175	CadSNP17770	<i>Desi</i>	Ca_Desig_denovo	17207145	(G/A)
42176	CadSNP17771	<i>Desi</i>	Ca_Desig_denovo	17207158	(C/T)
42177	CadSNP17772	<i>Desi</i>	Ca_Desig_denovo	17217449	(C/T)
42178	CadSNP17773	<i>Desi</i>	Ca_Desig_denovo	17219078	(T/A)
42179	CadSNP17774	<i>Desi</i>	Ca_Desig_denovo	17223239	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42180	CadSNP17775	<i>Desi</i>	Ca_Desig_denovo	17223285	(G/T)
42181	CadSNP17776	<i>Desi</i>	Ca_Desig_denovo	17232196	(T/C)
42182	CadSNP17777	<i>Desi</i>	Ca_Desig_denovo	17240849	(G/A)
42183	CadSNP17778	<i>Desi</i>	Ca_Desig_denovo	17240885	(G/A)
42184	CadSNP17779	<i>Desi</i>	Ca_Desig_denovo	17246522	(C/T)
42185	CadSNP17780	<i>Desi</i>	Ca_Desig_denovo	17246528	(T/C)
42186	CadSNP17781	<i>Desi</i>	Ca_Desig_denovo	17250298	(G/T)
42187	CadSNP17782	<i>Desi</i>	Ca_Desig_denovo	17250316	(G/C)
42188	CadSNP17783	<i>Desi</i>	Ca_Desig_denovo	17252437	(A/C)
42189	CadSNP17784	<i>Desi</i>	Ca_Desig_denovo	17252470	(C/T)
42190	CadSNP17785	<i>Desi</i>	Ca_Desig_denovo	17253766	(A/G)
42191	CadSNP17786	<i>Desi</i>	Ca_Desig_denovo	17261201	(A/G)
42192	CadSNP17787	<i>Desi</i>	Ca_Desig_denovo	17261228	(G/C)
42193	CadSNP17788	<i>Desi</i>	Ca_Desig_denovo	17275940	(A/G)
42194	CadSNP17789	<i>Desi</i>	Ca_Desig_denovo	17275958	(G/C)
42195	CadSNP17790	<i>Desi</i>	Ca_Desig_denovo	17279899	(A/G)
42196	CadSNP17791	<i>Desi</i>	Ca_Desig_denovo	17288071	(A/G)
42197	CadSNP17792	<i>Desi</i>	Ca_Desig_denovo	17288104	(A/G)
42198	CadSNP17793	<i>Desi</i>	Ca_Desig_denovo	17292334	(T/C)
42199	CadSNP17794	<i>Desi</i>	Ca_Desig_denovo	17292355	(C/T)
42200	CadSNP17795	<i>Desi</i>	Ca_Desig_denovo	17293823	(T/G)
42201	CadSNP17796	<i>Desi</i>	Ca_Desig_denovo	17296019	(T/G)
42202	CadSNP17797	<i>Desi</i>	Ca_Desig_denovo	17303579	(A/C)
42203	CadSNP17798	<i>Desi</i>	Ca_Desig_denovo	17303606	(C/T)
42204	CadSNP17799	<i>Desi</i>	Ca_Desig_denovo	17305253	(G/C)
42205	CadSNP17800	<i>Desi</i>	Ca_Desig_denovo	17308064	(G/A)
42206	CadSNP17801	<i>Desi</i>	Ca_Desig_denovo	17308136	(C/T)
42207	CadSNP17802	<i>Desi</i>	Ca_Desig_denovo	17314659	(C/T)
42208	CadSNP17803	<i>Desi</i>	Ca_Desig_denovo	17316344	(A/C)
42209	CadSNP17804	<i>Desi</i>	Ca_Desig_denovo	17324890	(C/G)
42210	CadSNP17805	<i>Desi</i>	Ca_Desig_denovo	17324917	(T/C)
42211	CadSNP17806	<i>Desi</i>	Ca_Desig_denovo	17325278	(C/T)
42212	CadSNP17807	<i>Desi</i>	Ca_Desig_denovo	17325957	(T/C)
42213	CadSNP17808	<i>Desi</i>	Ca_Desig_denovo	17338240	(C/A)
42214	CadSNP17809	<i>Desi</i>	Ca_Desig_denovo	17338246	(T/C)
42215	CadSNP17810	<i>Desi</i>	Ca_Desig_denovo	17340531	(G/A)
42216	CadSNP17811	<i>Desi</i>	Ca_Desig_denovo	17340556	(C/T)
42217	CadSNP17812	<i>Desi</i>	Ca_Desig_denovo	17341811	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42218	CadSNP17813	<i>Desi</i>	Ca_Desig_denovo	17341829	(G/A)
42219	CadSNP17814	<i>Desi</i>	Ca_Desig_denovo	17342025	(C/A)
42220	CadSNP17815	<i>Desi</i>	Ca_Desig_denovo	17342467	(G/A)
42221	CadSNP17816	<i>Desi</i>	Ca_Desig_denovo	17344261	(T/A)
42222	CadSNP17817	<i>Desi</i>	Ca_Desig_denovo	17344282	(G/C)
42223	CadSNP17818	<i>Desi</i>	Ca_Desig_denovo	17345069	(T/C)
42224	CadSNP17819	<i>Desi</i>	Ca_Desig_denovo	17345138	(A/T)
42225	CadSNP17820	<i>Desi</i>	Ca_Desig_denovo	17355101	(A/C)
42226	CadSNP17821	<i>Desi</i>	Ca_Desig_denovo	17355103	(A/G)
42227	CadSNP17822	<i>Desi</i>	Ca_Desig_denovo	17359044	(G/A)
42228	CadSNP17823	<i>Desi</i>	Ca_Desig_denovo	17359518	(C/A)
42229	CadSNP17824	<i>Desi</i>	Ca_Desig_denovo	17359547	(G/A)
42230	CadSNP17825	<i>Desi</i>	Ca_Desig_denovo	17360533	(A/G)
42231	CadSNP17826	<i>Desi</i>	Ca_Desig_denovo	17373653	(T/C)
42232	CadSNP17827	<i>Desi</i>	Ca_Desig_denovo	17373683	(C/T)
42233	CadSNP17828	<i>Desi</i>	Ca_Desig_denovo	17378123	(A/G)
42234	CadSNP17829	<i>Desi</i>	Ca_Desig_denovo	17378147	(G/T)
42235	CadSNP17830	<i>Desi</i>	Ca_Desig_denovo	17383619	(A/G)
42236	CadSNP17831	<i>Desi</i>	Ca_Desig_denovo	17383622	(A/G)
42237	CadSNP17832	<i>Desi</i>	Ca_Desig_denovo	17385578	(A/C)
42238	CadSNP17833	<i>Desi</i>	Ca_Desig_denovo	17386758	(C/T)
42239	CadSNP17834	<i>Desi</i>	Ca_Desig_denovo	17388857	(C/G)
42240	CadSNP17835	<i>Desi</i>	Ca_Desig_denovo	17392552	(T/A)
42241	CadSNP17836	<i>Desi</i>	Ca_Desig_denovo	17393753	(G/C)
42242	CadSNP17837	<i>Desi</i>	Ca_Desig_denovo	17394000	(T/C)
42243	CadSNP17838	<i>Desi</i>	Ca_Desig_denovo	17394040	(G/A)
42244	CadSNP17839	<i>Desi</i>	Ca_Desig_denovo	17397403	(C/T)
42245	CadSNP17840	<i>Desi</i>	Ca_Desig_denovo	17397834	(A/G)
42246	CadSNP17841	<i>Desi</i>	Ca_Desig_denovo	17400980	(C/T)
42247	CadSNP17842	<i>Desi</i>	Ca_Desig_denovo	17405907	(G/T)
42248	CadSNP17843	<i>Desi</i>	Ca_Desig_denovo	17406109	(C/T)
42249	CadSNP17844	<i>Desi</i>	Ca_Desig_denovo	17410603	(T/G)
42250	CadSNP17845	<i>Desi</i>	Ca_Desig_denovo	17412603	(T/C)
42251	CadSNP17846	<i>Desi</i>	Ca_Desig_denovo	17412621	(A/G)
42252	CadSNP17847	<i>Desi</i>	Ca_Desig_denovo	17423042	(T/C)
42253	CadSNP17848	<i>Desi</i>	Ca_Desig_denovo	17423086	(G/C)
42254	CadSNP17849	<i>Desi</i>	Ca_Desig_denovo	17435293	(G/A)
42255	CadSNP17850	<i>Desi</i>	Ca_Desig_denovo	17435323	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42256	CadSNP17851	<i>Desi</i>	Ca_Desig_denovo	17439937	(C/G)
42257	CadSNP17852	<i>Desi</i>	Ca_Desig_denovo	17439940	(C/T)
42258	CadSNP17853	<i>Desi</i>	Ca_Desig_denovo	17440990	(A/T)
42259	CadSNP17854	<i>Desi</i>	Ca_Desig_denovo	17441035	(G/A)
42260	CadSNP17855	<i>Desi</i>	Ca_Desig_denovo	17450630	(A/G)
42261	CadSNP17856	<i>Desi</i>	Ca_Desig_denovo	17450657	(G/A)
42262	CadSNP17857	<i>Desi</i>	Ca_Desig_denovo	17451853	(C/T)
42263	CadSNP17858	<i>Desi</i>	Ca_Desig_denovo	17454380	(C/A)
42264	CadSNP17859	<i>Desi</i>	Ca_Desig_denovo	17457464	(C/T)
42265	CadSNP17860	<i>Desi</i>	Ca_Desig_denovo	17457467	(A/G)
42266	CadSNP17861	<i>Desi</i>	Ca_Desig_denovo	17465140	(G/C)
42267	CadSNP17862	<i>Desi</i>	Ca_Desig_denovo	17465152	(C/T)
42268	CadSNP17863	<i>Desi</i>	Ca_Desig_denovo	17468504	(G/C)
42269	CadSNP17864	<i>Desi</i>	Ca_Desig_denovo	17468531	(A/G)
42270	CadSNP17865	<i>Desi</i>	Ca_Desig_denovo	17473136	(G/T)
42271	CadSNP17866	<i>Desi</i>	Ca_Desig_denovo	17478442	(C/G)
42272	CadSNP17867	<i>Desi</i>	Ca_Desig_denovo	17478487	(A/G)
42273	CadSNP17868	<i>Desi</i>	Ca_Desig_denovo	17479579	(T/C)
42274	CadSNP17869	<i>Desi</i>	Ca_Desig_denovo	17479588	(G/T)
42275	CadSNP17870	<i>Desi</i>	Ca_Desig_denovo	17483414	(T/C)
42276	CadSNP17871	<i>Desi</i>	Ca_Desig_denovo	17483441	(G/C)
42277	CadSNP17872	<i>Desi</i>	Ca_Desig_denovo	17483928	(G/A)
42278	CadSNP17873	<i>Desi</i>	Ca_Desig_denovo	17483937	(A/C)
42279	CadSNP17874	<i>Desi</i>	Ca_Desig_denovo	17491915	(T/G)
42280	CadSNP17875	<i>Desi</i>	Ca_Desig_denovo	17491921	(T/C)
42281	CadSNP17876	<i>Desi</i>	Ca_Desig_denovo	17492391	(A/G)
42282	CadSNP17877	<i>Desi</i>	Ca_Desig_denovo	17493999	(G/A)
42283	CadSNP17878	<i>Desi</i>	Ca_Desig_denovo	17494017	(C/G)
42284	CadSNP17879	<i>Desi</i>	Ca_Desig_denovo	17497225	(T/C)
42285	CadSNP17880	<i>Desi</i>	Ca_Desig_denovo	17498983	(T/C)
42286	CadSNP17881	<i>Desi</i>	Ca_Desig_denovo	17500010	(A/G)
42287	CadSNP17882	<i>Desi</i>	Ca_Desig_denovo	17502617	(C/T)
42288	CadSNP17883	<i>Desi</i>	Ca_Desig_denovo	17507419	(G/A)
42289	CadSNP17884	<i>Desi</i>	Ca_Desig_denovo	17507488	(G/C)
42290	CadSNP17885	<i>Desi</i>	Ca_Desig_denovo	17511537	(T/C)
42291	CadSNP17886	<i>Desi</i>	Ca_Desig_denovo	17515259	(G/A)
42292	CadSNP17887	<i>Desi</i>	Ca_Desig_denovo	17515833	(A/G)
42293	CadSNP17888	<i>Desi</i>	Ca_Desig_denovo	17525764	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42294	CadSNP17889	<i>Desi</i>	Ca_Desig_denovo	17535211	(G/A)
42295	CadSNP17890	<i>Desi</i>	Ca_Desig_denovo	17537443	(T/C)
42296	CadSNP17891	<i>Desi</i>	Ca_Desig_denovo	17548432	(C/G)
42297	CadSNP17892	<i>Desi</i>	Ca_Desig_denovo	17548444	(C/T)
42298	CadSNP17893	<i>Desi</i>	Ca_Desig_denovo	17548846	(G/A)
42299	CadSNP17894	<i>Desi</i>	Ca_Desig_denovo	17551900	(T/C)
42300	CadSNP17895	<i>Desi</i>	Ca_Desig_denovo	17551930	(C/T)
42301	CadSNP17896	<i>Desi</i>	Ca_Desig_denovo	17570319	(C/G)
42302	CadSNP17897	<i>Desi</i>	Ca_Desig_denovo	17572466	(T/G)
42303	CadSNP17898	<i>Desi</i>	Ca_Desig_denovo	17573302	(T/C)
42304	CadSNP17899	<i>Desi</i>	Ca_Desig_denovo	17573311	(A/C)
42305	CadSNP17900	<i>Desi</i>	Ca_Desig_denovo	17574899	(A/G)
42306	CadSNP17901	<i>Desi</i>	Ca_Desig_denovo	17574916	(T/C)
42307	CadSNP17902	<i>Desi</i>	Ca_Desig_denovo	17577486	(A/G)
42308	CadSNP17903	<i>Desi</i>	Ca_Desig_denovo	17577487	(T/C)
42309	CadSNP17904	<i>Desi</i>	Ca_Desig_denovo	17578225	(A/G)
42310	CadSNP17905	<i>Desi</i>	Ca_Desig_denovo	17589283	(G/A)
42311	CadSNP17906	<i>Desi</i>	Ca_Desig_denovo	17589671	(G/T)
42312	CadSNP17907	<i>Desi</i>	Ca_Desig_denovo	17589677	(T/C)
42313	CadSNP17908	<i>Desi</i>	Ca_Desig_denovo	17592167	(A/C)
42314	CadSNP17909	<i>Desi</i>	Ca_Desig_denovo	17592169	(T/C)
42315	CadSNP17910	<i>Desi</i>	Ca_Desig_denovo	17598007	(A/G)
42316	CadSNP17911	<i>Desi</i>	Ca_Desig_denovo	17598012	(G/A)
42317	CadSNP17912	<i>Desi</i>	Ca_Desig_denovo	17599090	(G/A)
42318	CadSNP17913	<i>Desi</i>	Ca_Desig_denovo	17600085	(A/G)
42319	CadSNP17914	<i>Desi</i>	Ca_Desig_denovo	17602075	(G/C)
42320	CadSNP17915	<i>Desi</i>	Ca_Desig_denovo	17602919	(C/T)
42321	CadSNP17916	<i>Desi</i>	Ca_Desig_denovo	17606702	(T/C)
42322	CadSNP17917	<i>Desi</i>	Ca_Desig_denovo	17606716	(G/A)
42323	CadSNP17918	<i>Desi</i>	Ca_Desig_denovo	17615154	(G/A)
42324	CadSNP17919	<i>Desi</i>	Ca_Desig_denovo	17619323	(G/C)
42325	CadSNP17920	<i>Desi</i>	Ca_Desig_denovo	17619352	(T/C)
42326	CadSNP17921	<i>Desi</i>	Ca_Desig_denovo	17620285	(G/C)
42327	CadSNP17922	<i>Desi</i>	Ca_Desig_denovo	17620292	(G/A)
42328	CadSNP17923	<i>Desi</i>	Ca_Desig_denovo	17630228	(T/C)
42329	CadSNP17924	<i>Desi</i>	Ca_Desig_denovo	17630242	(G/A)
42330	CadSNP17925	<i>Desi</i>	Ca_Desig_denovo	17635891	(G/C)
42331	CadSNP17926	<i>Desi</i>	Ca_Desig_denovo	17635892	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42332	CadSNP17927	<i>Desi</i>	Ca_Desig_denovo	17636633	(C/G)
42333	CadSNP17928	<i>Desi</i>	Ca_Desig_denovo	17636647	(T/C)
42334	CadSNP17929	<i>Desi</i>	Ca_Desig_denovo	17642014	(C/T)
42335	CadSNP17930	<i>Desi</i>	Ca_Desig_denovo	17642419	(C/T)
42336	CadSNP17931	<i>Desi</i>	Ca_Desig_denovo	17642428	(T/C)
42337	CadSNP17932	<i>Desi</i>	Ca_Desig_denovo	17642794	(G/A)
42338	CadSNP17933	<i>Desi</i>	Ca_Desig_denovo	17647123	(G/T)
42339	CadSNP17934	<i>Desi</i>	Ca_Desig_denovo	17650744	(T/C)
42340	CadSNP17935	<i>Desi</i>	Ca_Desig_denovo	17650802	(T/C)
42341	CadSNP17936	<i>Desi</i>	Ca_Desig_denovo	17655887	(C/A)
42342	CadSNP17937	<i>Desi</i>	Ca_Desig_denovo	17658682	(G/A)
42343	CadSNP17938	<i>Desi</i>	Ca_Desig_denovo	17669474	(G/A)
42344	CadSNP17939	<i>Desi</i>	Ca_Desig_denovo	17669492	(C/A)
42345	CadSNP17940	<i>Desi</i>	Ca_Desig_denovo	17677181	(C/G)
42346	CadSNP17941	<i>Desi</i>	Ca_Desig_denovo	17679599	(A/C)
42347	CadSNP17942	<i>Desi</i>	Ca_Desig_denovo	17682025	(A/G)
42348	CadSNP17943	<i>Desi</i>	Ca_Desig_denovo	17682053	(G/A)
42349	CadSNP17944	<i>Desi</i>	Ca_Desig_denovo	17683932	(G/C)
42350	CadSNP17945	<i>Desi</i>	Ca_Desig_denovo	17683944	(T/C)
42351	CadSNP17946	<i>Desi</i>	Ca_Desig_denovo	17686865	(G/T)
42352	CadSNP17947	<i>Desi</i>	Ca_Desig_denovo	17688172	(T/C)
42353	CadSNP17948	<i>Desi</i>	Ca_Desig_denovo	17691222	(A/G)
42354	CadSNP17949	<i>Desi</i>	Ca_Desig_denovo	17694070	(T/G)
42355	CadSNP17950	<i>Desi</i>	Ca_Desig_denovo	17694968	(A/G)
42356	CadSNP17951	<i>Desi</i>	Ca_Desig_denovo	17701816	(C/T)
42357	CadSNP17952	<i>Desi</i>	Ca_Desig_denovo	17709572	(G/C)
42358	CadSNP17953	<i>Desi</i>	Ca_Desig_denovo	17713910	(G/A)
42359	CadSNP17954	<i>Desi</i>	Ca_Desig_denovo	17713919	(T/C)
42360	CadSNP17955	<i>Desi</i>	Ca_Desig_denovo	17725187	(C/T)
42361	CadSNP17956	<i>Desi</i>	Ca_Desig_denovo	17727961	(A/C)
42362	CadSNP17957	<i>Desi</i>	Ca_Desig_denovo	17727964	(G/A)
42363	CadSNP17958	<i>Desi</i>	Ca_Desig_denovo	17728055	(A/G)
42364	CadSNP17959	<i>Desi</i>	Ca_Desig_denovo	17730959	(A/G)
42365	CadSNP17960	<i>Desi</i>	Ca_Desig_denovo	17734078	(A/C)
42366	CadSNP17961	<i>Desi</i>	Ca_Desig_denovo	17740073	(C/T)
42367	CadSNP17962	<i>Desi</i>	Ca_Desig_denovo	17740083	(A/C)
42368	CadSNP17963	<i>Desi</i>	Ca_Desig_denovo	17740235	(C/G)
42369	CadSNP17964	<i>Desi</i>	Ca_Desig_denovo	17745048	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42370	CadSNP17965	<i>Desi</i>	Ca_Desig_denovo	17754864	(C/A)
42371	CadSNP17966	<i>Desi</i>	Ca_Desig_denovo	17758046	(T/A)
42372	CadSNP17967	<i>Desi</i>	Ca_Desig_denovo	17758732	(C/G)
42373	CadSNP17968	<i>Desi</i>	Ca_Desig_denovo	17758816	(G/T)
42374	CadSNP17969	<i>Desi</i>	Ca_Desig_denovo	17759008	(T/C)
42375	CadSNP17970	<i>Desi</i>	Ca_Desig_denovo	17760832	(A/G)
42376	CadSNP17971	<i>Desi</i>	Ca_Desig_denovo	17767029	(C/G)
42377	CadSNP17972	<i>Desi</i>	Ca_Desig_denovo	17773249	(C/A)
42378	CadSNP17973	<i>Desi</i>	Ca_Desig_denovo	17773994	(C/T)
42379	CadSNP17974	<i>Desi</i>	Ca_Desig_denovo	17774032	(G/A)
42380	CadSNP17975	<i>Desi</i>	Ca_Desig_denovo	17774635	(G/A)
42381	CadSNP17976	<i>Desi</i>	Ca_Desig_denovo	17778638	(G/A)
42382	CadSNP17977	<i>Desi</i>	Ca_Desig_denovo	17778686	(C/T)
42383	CadSNP17978	<i>Desi</i>	Ca_Desig_denovo	17782674	(T/C)
42384	CadSNP17979	<i>Desi</i>	Ca_Desig_denovo	17782679	(T/C)
42385	CadSNP17980	<i>Desi</i>	Ca_Desig_denovo	17783914	(C/T)
42386	CadSNP17981	<i>Desi</i>	Ca_Desig_denovo	17783917	(T/C)
42387	CadSNP17982	<i>Desi</i>	Ca_Desig_denovo	17787875	(G/A)
42388	CadSNP17983	<i>Desi</i>	Ca_Desig_denovo	17800802	(C/T)
42389	CadSNP17984	<i>Desi</i>	Ca_Desig_denovo	17806251	(G/T)
42390	CadSNP17985	<i>Desi</i>	Ca_Desig_denovo	17811203	(A/G)
42391	CadSNP17986	<i>Desi</i>	Ca_Desig_denovo	17811234	(A/C)
42392	CadSNP17987	<i>Desi</i>	Ca_Desig_denovo	17815593	(C/T)
42393	CadSNP17988	<i>Desi</i>	Ca_Desig_denovo	17815620	(T/C)
42394	CadSNP17989	<i>Desi</i>	Ca_Desig_denovo	17816518	(T/C)
42395	CadSNP17990	<i>Desi</i>	Ca_Desig_denovo	17816882	(G/T)
42396	CadSNP17991	<i>Desi</i>	Ca_Desig_denovo	17820417	(C/T)
42397	CadSNP17992	<i>Desi</i>	Ca_Desig_denovo	17826876	(A/G)
42398	CadSNP17993	<i>Desi</i>	Ca_Desig_denovo	17828051	(G/C)
42399	CadSNP17994	<i>Desi</i>	Ca_Desig_denovo	17828100	(G/A)
42400	CadSNP17995	<i>Desi</i>	Ca_Desig_denovo	17830933	(T/C)
42401	CadSNP17996	<i>Desi</i>	Ca_Desig_denovo	17834740	(A/G)
42402	CadSNP17997	<i>Desi</i>	Ca_Desig_denovo	17834764	(G/C)
42403	CadSNP17998	<i>Desi</i>	Ca_Desig_denovo	17835696	(T/C)
42404	CadSNP17999	<i>Desi</i>	Ca_Desig_denovo	17835705	(T/C)
42405	CadSNP18000	<i>Desi</i>	Ca_Desig_denovo	17837597	(G/A)
42406	CadSNP18001	<i>Desi</i>	Ca_Desig_denovo	17847204	(A/G)
42407	CadSNP18002	<i>Desi</i>	Ca_Desig_denovo	17849422	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42408	CadSNP18003	<i>Desi</i>	Ca_Desig_denovo	17850441	(C/G)
42409	CadSNP18004	<i>Desi</i>	Ca_Desig_denovo	17850459	(C/T)
42410	CadSNP18005	<i>Desi</i>	Ca_Desig_denovo	17851388	(G/A)
42411	CadSNP18006	<i>Desi</i>	Ca_Desig_denovo	17853995	(A/G)
42412	CadSNP18007	<i>Desi</i>	Ca_Desig_denovo	17855183	(T/A)
42413	CadSNP18008	<i>Desi</i>	Ca_Desig_denovo	17855237	(G/A)
42414	CadSNP18009	<i>Desi</i>	Ca_Desig_denovo	17860011	(C/T)
42415	CadSNP18010	<i>Desi</i>	Ca_Desig_denovo	17860043	(A/G)
42416	CadSNP18011	<i>Desi</i>	Ca_Desig_denovo	17860715	(A/G)
42417	CadSNP18012	<i>Desi</i>	Ca_Desig_denovo	17861522	(G/A)
42418	CadSNP18013	<i>Desi</i>	Ca_Desig_denovo	17861543	(G/A)
42419	CadSNP18014	<i>Desi</i>	Ca_Desig_denovo	17865462	(G/A)
42420	CadSNP18015	<i>Desi</i>	Ca_Desig_denovo	17866984	(C/T)
42421	CadSNP18016	<i>Desi</i>	Ca_Desig_denovo	17867053	(A/C)
42422	CadSNP18017	<i>Desi</i>	Ca_Desig_denovo	17872307	(G/A)
42423	CadSNP18018	<i>Desi</i>	Ca_Desig_denovo	17872335	(C/T)
42424	CadSNP18019	<i>Desi</i>	Ca_Desig_denovo	17883244	(T/C)
42425	CadSNP18020	<i>Desi</i>	Ca_Desig_denovo	17884310	(A/G)
42426	CadSNP18021	<i>Desi</i>	Ca_Desig_denovo	17885155	(T/G)
42427	CadSNP18022	<i>Desi</i>	Ca_Desig_denovo	17893067	(A/C)
42428	CadSNP18023	<i>Desi</i>	Ca_Desig_denovo	17896116	(A/G)
42429	CadSNP18024	<i>Desi</i>	Ca_Desig_denovo	17900781	(T/C)
42430	CadSNP18025	<i>Desi</i>	Ca_Desig_denovo	17907941	(T/C)
42431	CadSNP18026	<i>Desi</i>	Ca_Desig_denovo	17910936	(C/T)
42432	CadSNP18027	<i>Desi</i>	Ca_Desig_denovo	17915122	(C/T)
42433	CadSNP18028	<i>Desi</i>	Ca_Desig_denovo	17915555	(G/A)
42434	CadSNP18029	<i>Desi</i>	Ca_Desig_denovo	17917387	(G/T)
42435	CadSNP18030	<i>Desi</i>	Ca_Desig_denovo	17917456	(G/A)
42436	CadSNP18031	<i>Desi</i>	Ca_Desig_denovo	17917690	(T/C)
42437	CadSNP18032	<i>Desi</i>	Ca_Desig_denovo	17917699	(T/C)
42438	CadSNP18033	<i>Desi</i>	Ca_Desig_denovo	17925400	(G/A)
42439	CadSNP18034	<i>Desi</i>	Ca_Desig_denovo	17925448	(T/C)
42440	CadSNP18035	<i>Desi</i>	Ca_Desig_denovo	17931006	(A/G)
42441	CadSNP18036	<i>Desi</i>	Ca_Desig_denovo	17933504	(G/C)
42442	CadSNP18037	<i>Desi</i>	Ca_Desig_denovo	17933513	(A/G)
42443	CadSNP18038	<i>Desi</i>	Ca_Desig_denovo	17935132	(T/G)
42444	CadSNP18039	<i>Desi</i>	Ca_Desig_denovo	17935829	(A/G)
42445	CadSNP18040	<i>Desi</i>	Ca_Desig_denovo	17935886	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42446	CadSNP18041	<i>Desi</i>	Ca_Desig_denovo	17939155	(T/A)
42447	CadSNP18042	<i>Desi</i>	Ca_Desig_denovo	17941845	(A/C)
42448	CadSNP18043	<i>Desi</i>	Ca_Desig_denovo	17941902	(T/C)
42449	CadSNP18044	<i>Desi</i>	Ca_Desig_denovo	17946251	(T/C)
42450	CadSNP18045	<i>Desi</i>	Ca_Desig_denovo	17949744	(A/C)
42451	CadSNP18046	<i>Desi</i>	Ca_Desig_denovo	17952595	(T/C)
42452	CadSNP18047	<i>Desi</i>	Ca_Desig_denovo	17954543	(T/C)
42453	CadSNP18048	<i>Desi</i>	Ca_Desig_denovo	17954567	(T/G)
42454	CadSNP18049	<i>Desi</i>	Ca_Desig_denovo	17955683	(T/G)
42455	CadSNP18050	<i>Desi</i>	Ca_Desig_denovo	17958062	(C/T)
42456	CadSNP18051	<i>Desi</i>	Ca_Desig_denovo	17958079	(A/G)
42457	CadSNP18052	<i>Desi</i>	Ca_Desig_denovo	17958967	(G/C)
42458	CadSNP18053	<i>Desi</i>	Ca_Desig_denovo	17962269	(G/C)
42459	CadSNP18054	<i>Desi</i>	Ca_Desig_denovo	17962278	(A/G)
42460	CadSNP18055	<i>Desi</i>	Ca_Desig_denovo	17964001	(T/C)
42461	CadSNP18056	<i>Desi</i>	Ca_Desig_denovo	17968270	(G/T)
42462	CadSNP18057	<i>Desi</i>	Ca_Desig_denovo	17971971	(A/C)
42463	CadSNP18058	<i>Desi</i>	Ca_Desig_denovo	17972634	(G/A)
42464	CadSNP18059	<i>Desi</i>	Ca_Desig_denovo	17976205	(T/C)
42465	CadSNP18060	<i>Desi</i>	Ca_Desig_denovo	17976235	(T/G)
42466	CadSNP18061	<i>Desi</i>	Ca_Desig_denovo	17977131	(G/C)
42467	CadSNP18062	<i>Desi</i>	Ca_Desig_denovo	17982191	(A/G)
42468	CadSNP18063	<i>Desi</i>	Ca_Desig_denovo	17982194	(C/G)
42469	CadSNP18064	<i>Desi</i>	Ca_Desig_denovo	17988692	(G/C)
42470	CadSNP18065	<i>Desi</i>	Ca_Desig_denovo	17993812	(A/G)
42471	CadSNP18066	<i>Desi</i>	Ca_Desig_denovo	17997904	(G/C)
42472	CadSNP18067	<i>Desi</i>	Ca_Desig_denovo	17998318	(A/T)
42473	CadSNP18068	<i>Desi</i>	Ca_Desig_denovo	18001097	(T/C)
42474	CadSNP18069	<i>Desi</i>	Ca_Desig_denovo	18011904	(T/G)
42475	CadSNP18070	<i>Desi</i>	Ca_Desig_denovo	18011919	(T/G)
42476	CadSNP18071	<i>Desi</i>	Ca_Desig_denovo	18014758	(T/G)
42477	CadSNP18072	<i>Desi</i>	Ca_Desig_denovo	18014822	(T/C)
42478	CadSNP18073	<i>Desi</i>	Ca_Desig_denovo	18015541	(T/C)
42479	CadSNP18074	<i>Desi</i>	Ca_Desig_denovo	18017454	(A/G)
42480	CadSNP18075	<i>Desi</i>	Ca_Desig_denovo	18027230	(C/G)
42481	CadSNP18076	<i>Desi</i>	Ca_Desig_denovo	18027263	(T/C)
42482	CadSNP18077	<i>Desi</i>	Ca_Desig_denovo	18032313	(G/T)
42483	CadSNP18078	<i>Desi</i>	Ca_Desig_denovo	18032502	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42484	CadSNP18079	<i>Desi</i>	Ca_Desig_denovo	18034994	(T/C)
42485	CadSNP18080	<i>Desi</i>	Ca_Desig_denovo	18036933	(T/G)
42486	CadSNP18081	<i>Desi</i>	Ca_Desig_denovo	18036961	(T/C)
42487	CadSNP18082	<i>Desi</i>	Ca_Desig_denovo	18037391	(C/T)
42488	CadSNP18083	<i>Desi</i>	Ca_Desig_denovo	18048383	(T/G)
42489	CadSNP18084	<i>Desi</i>	Ca_Desig_denovo	18052742	(G/A)
42490	CadSNP18085	<i>Desi</i>	Ca_Desig_denovo	18052745	(A/G)
42491	CadSNP18086	<i>Desi</i>	Ca_Desig_denovo	18052807	(G/A)
42492	CadSNP18087	<i>Desi</i>	Ca_Desig_denovo	18052811	(A/C)
42493	CadSNP18088	<i>Desi</i>	Ca_Desig_denovo	18057718	(A/C)
42494	CadSNP18089	<i>Desi</i>	Ca_Desig_denovo	18064985	(T/C)
42495	CadSNP18090	<i>Desi</i>	Ca_Desig_denovo	18064989	(C/T)
42496	CadSNP18091	<i>Desi</i>	Ca_Desig_denovo	18068367	(G/T)
42497	CadSNP18092	<i>Desi</i>	Ca_Desig_denovo	18076898	(A/G)
42498	CadSNP18093	<i>Desi</i>	Ca_Desig_denovo	18084138	(A/C)
42499	CadSNP18094	<i>Desi</i>	Ca_Desig_denovo	18085930	(C/T)
42500	CadSNP18095	<i>Desi</i>	Ca_Desig_denovo	18085948	(C/T)
42501	CadSNP18096	<i>Desi</i>	Ca_Desig_denovo	18088831	(T/C)
42502	CadSNP18097	<i>Desi</i>	Ca_Desig_denovo	18097252	(C/G)
42503	CadSNP18098	<i>Desi</i>	Ca_Desig_denovo	18097279	(T/C)
42504	CadSNP18099	<i>Desi</i>	Ca_Desig_denovo	18100596	(G/A)
42505	CadSNP18100	<i>Desi</i>	Ca_Desig_denovo	18104144	(G/C)
42506	CadSNP18101	<i>Desi</i>	Ca_Desig_denovo	18111433	(A/G)
42507	CadSNP18102	<i>Desi</i>	Ca_Desig_denovo	18113344	(T/C)
42508	CadSNP18103	<i>Desi</i>	Ca_Desig_denovo	18118288	(T/C)
42509	CadSNP18104	<i>Desi</i>	Ca_Desig_denovo	18118336	(T/C)
42510	CadSNP18105	<i>Desi</i>	Ca_Desig_denovo	18118854	(C/T)
42511	CadSNP18106	<i>Desi</i>	Ca_Desig_denovo	18118855	(T/C)
42512	CadSNP18107	<i>Desi</i>	Ca_Desig_denovo	18128863	(A/G)
42513	CadSNP18108	<i>Desi</i>	Ca_Desig_denovo	18128966	(G/A)
42514	CadSNP18109	<i>Desi</i>	Ca_Desig_denovo	18128971	(C/G)
42515	CadSNP18110	<i>Desi</i>	Ca_Desig_denovo	18139687	(A/G)
42516	CadSNP18111	<i>Desi</i>	Ca_Desig_denovo	18142172	(G/T)
42517	CadSNP18112	<i>Desi</i>	Ca_Desig_denovo	18142858	(C/G)
42518	CadSNP18113	<i>Desi</i>	Ca_Desig_denovo	18142991	(A/T)
42519	CadSNP18114	<i>Desi</i>	Ca_Desig_denovo	18148550	(T/G)
42520	CadSNP18115	<i>Desi</i>	Ca_Desig_denovo	18149161	(A/G)
42521	CadSNP18116	<i>Desi</i>	Ca_Desig_denovo	18149203	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42522	CadSNP18117	<i>Desi</i>	Ca_Desig_denovo	18154436	(A/C)
42523	CadSNP18118	<i>Desi</i>	Ca_Desig_denovo	18156420	(C/G)
42524	CadSNP18119	<i>Desi</i>	Ca_Desig_denovo	18156484	(T/A)
42525	CadSNP18120	<i>Desi</i>	Ca_Desig_denovo	18158074	(A/C)
42526	CadSNP18121	<i>Desi</i>	Ca_Desig_denovo	18158660	(A/G)
42527	CadSNP18122	<i>Desi</i>	Ca_Desig_denovo	18158696	(A/G)
42528	CadSNP18123	<i>Desi</i>	Ca_Desig_denovo	18160768	(G/A)
42529	CadSNP18124	<i>Desi</i>	Ca_Desig_denovo	18160773	(G/C)
42530	CadSNP18125	<i>Desi</i>	Ca_Desig_denovo	18161899	(G/A)
42531	CadSNP18126	<i>Desi</i>	Ca_Desig_denovo	18161967	(T/G)
42532	CadSNP18127	<i>Desi</i>	Ca_Desig_denovo	18161968	(G/T)
42533	CadSNP18128	<i>Desi</i>	Ca_Desig_denovo	18164957	(T/C)
42534	CadSNP18129	<i>Desi</i>	Ca_Desig_denovo	18169709	(C/G)
42535	CadSNP18130	<i>Desi</i>	Ca_Desig_denovo	18171560	(C/T)
42536	CadSNP18131	<i>Desi</i>	Ca_Desig_denovo	18193612	(C/T)
42537	CadSNP18132	<i>Desi</i>	Ca_Desig_denovo	18193639	(C/T)
42538	CadSNP18133	<i>Desi</i>	Ca_Desig_denovo	18198218	(G/T)
42539	CadSNP18134	<i>Desi</i>	Ca_Desig_denovo	18199483	(T/C)
42540	CadSNP18135	<i>Desi</i>	Ca_Desig_denovo	18203302	(G/C)
42541	CadSNP18136	<i>Desi</i>	Ca_Desig_denovo	18203829	(G/A)
42542	CadSNP18137	<i>Desi</i>	Ca_Desig_denovo	18212173	(C/G)
42543	CadSNP18138	<i>Desi</i>	Ca_Desig_denovo	18212179	(C/T)
42544	CadSNP18139	<i>Desi</i>	Ca_Desig_denovo	18216232	(T/C)
42545	CadSNP18140	<i>Desi</i>	Ca_Desig_denovo	18216252	(G/C)
42546	CadSNP18141	<i>Desi</i>	Ca_Desig_denovo	18216630	(T/C)
42547	CadSNP18142	<i>Desi</i>	Ca_Desig_denovo	18216640	(A/G)
42548	CadSNP18143	<i>Desi</i>	Ca_Desig_denovo	18222380	(G/C)
42549	CadSNP18144	<i>Desi</i>	Ca_Desig_denovo	18235645	(C/G)
42550	CadSNP18145	<i>Desi</i>	Ca_Desig_denovo	18235657	(G/C)
42551	CadSNP18146	<i>Desi</i>	Ca_Desig_denovo	18243179	(C/A)
42552	CadSNP18147	<i>Desi</i>	Ca_Desig_denovo	18243227	(A/G)
42553	CadSNP18148	<i>Desi</i>	Ca_Desig_denovo	18244169	(G/C)
42554	CadSNP18149	<i>Desi</i>	Ca_Desig_denovo	18244925	(A/C)
42555	CadSNP18150	<i>Desi</i>	Ca_Desig_denovo	18248345	(G/C)
42556	CadSNP18151	<i>Desi</i>	Ca_Desig_denovo	18251200	(G/A)
42557	CadSNP18152	<i>Desi</i>	Ca_Desig_denovo	18251821	(C/T)
42558	CadSNP18153	<i>Desi</i>	Ca_Desig_denovo	18273155	(G/T)
42559	CadSNP18154	<i>Desi</i>	Ca_Desig_denovo	18273526	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42560	CadSNP18155	<i>Desi</i>	Ca_Desig_denovo	18281540	(C/T)
42561	CadSNP18156	<i>Desi</i>	Ca_Desig_denovo	18281546	(C/T)
42562	CadSNP18157	<i>Desi</i>	Ca_Desig_denovo	18285923	(G/A)
42563	CadSNP18158	<i>Desi</i>	Ca_Desig_denovo	18290489	(C/T)
42564	CadSNP18159	<i>Desi</i>	Ca_Desig_denovo	18291705	(A/C)
42565	CadSNP18160	<i>Desi</i>	Ca_Desig_denovo	18295180	(T/C)
42566	CadSNP18161	<i>Desi</i>	Ca_Desig_denovo	18296427	(A/G)
42567	CadSNP18162	<i>Desi</i>	Ca_Desig_denovo	18299488	(G/A)
42568	CadSNP18163	<i>Desi</i>	Ca_Desig_denovo	18301934	(A/C)
42569	CadSNP18164	<i>Desi</i>	Ca_Desig_denovo	18302119	(T/G)
42570	CadSNP18165	<i>Desi</i>	Ca_Desig_denovo	18303844	(A/C)
42571	CadSNP18166	<i>Desi</i>	Ca_Desig_denovo	18306700	(C/T)
42572	CadSNP18167	<i>Desi</i>	Ca_Desig_denovo	18306842	(C/A)
42573	CadSNP18168	<i>Desi</i>	Ca_Desig_denovo	18307209	(T/G)
42574	CadSNP18169	<i>Desi</i>	Ca_Desig_denovo	18307228	(T/C)
42575	CadSNP18170	<i>Desi</i>	Ca_Desig_denovo	18307562	(T/C)
42576	CadSNP18171	<i>Desi</i>	Ca_Desig_denovo	18313130	(C/G)
42577	CadSNP18172	<i>Desi</i>	Ca_Desig_denovo	18314039	(C/G)
42578	CadSNP18173	<i>Desi</i>	Ca_Desig_denovo	18315383	(C/T)
42579	CadSNP18174	<i>Desi</i>	Ca_Desig_denovo	18317360	(T/G)
42580	CadSNP18175	<i>Desi</i>	Ca_Desig_denovo	18319756	(A/G)
42581	CadSNP18176	<i>Desi</i>	Ca_Desig_denovo	18319757	(A/G)
42582	CadSNP18177	<i>Desi</i>	Ca_Desig_denovo	18321843	(G/A)
42583	CadSNP18178	<i>Desi</i>	Ca_Desig_denovo	18325936	(G/C)
42584	CadSNP18179	<i>Desi</i>	Ca_Desig_denovo	18333572	(A/G)
42585	CadSNP18180	<i>Desi</i>	Ca_Desig_denovo	18334361	(T/C)
42586	CadSNP18181	<i>Desi</i>	Ca_Desig_denovo	18336260	(A/C)
42587	CadSNP18182	<i>Desi</i>	Ca_Desig_denovo	18341656	(C/A)
42588	CadSNP18183	<i>Desi</i>	Ca_Desig_denovo	18349286	(A/G)
42589	CadSNP18184	<i>Desi</i>	Ca_Desig_denovo	18349292	(A/C)
42590	CadSNP18185	<i>Desi</i>	Ca_Desig_denovo	18350050	(G/A)
42591	CadSNP18186	<i>Desi</i>	Ca_Desig_denovo	18356381	(T/G)
42592	CadSNP18187	<i>Desi</i>	Ca_Desig_denovo	18368917	(T/C)
42593	CadSNP18188	<i>Desi</i>	Ca_Desig_denovo	18374646	(C/A)
42594	CadSNP18189	<i>Desi</i>	Ca_Desig_denovo	18377352	(C/T)
42595	CadSNP18190	<i>Desi</i>	Ca_Desig_denovo	18380368	(G/A)
42596	CadSNP18191	<i>Desi</i>	Ca_Desig_denovo	18380373	(G/A)
42597	CadSNP18192	<i>Desi</i>	Ca_Desig_denovo	18383773	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42598	CadSNP18193	<i>Desi</i>	Ca_Desig_denovo	18387183	(C/T)
42599	CadSNP18194	<i>Desi</i>	Ca_Desig_denovo	18387215	(A/G)
42600	CadSNP18195	<i>Desi</i>	Ca_Desig_denovo	18387933	(G/A)
42601	CadSNP18196	<i>Desi</i>	Ca_Desig_denovo	18387939	(A/C)
42602	CadSNP18197	<i>Desi</i>	Ca_Desig_denovo	18396563	(T/C)
42603	CadSNP18198	<i>Desi</i>	Ca_Desig_denovo	18398376	(T/G)
42604	CadSNP18199	<i>Desi</i>	Ca_Desig_denovo	18407871	(T/C)
42605	CadSNP18200	<i>Desi</i>	Ca_Desig_denovo	18415657	(G/A)
42606	CadSNP18201	<i>Desi</i>	Ca_Desig_denovo	18417088	(C/A)
42607	CadSNP18202	<i>Desi</i>	Ca_Desig_denovo	18417133	(C/T)
42608	CadSNP18203	<i>Desi</i>	Ca_Desig_denovo	18418278	(A/C)
42609	CadSNP18204	<i>Desi</i>	Ca_Desig_denovo	18433550	(G/A)
42610	CadSNP18205	<i>Desi</i>	Ca_Desig_denovo	18433580	(G/A)
42611	CadSNP18206	<i>Desi</i>	Ca_Desig_denovo	18433786	(T/G)
42612	CadSNP18207	<i>Desi</i>	Ca_Desig_denovo	18433794	(T/C)
42613	CadSNP18208	<i>Desi</i>	Ca_Desig_denovo	18437311	(G/A)
42614	CadSNP18209	<i>Desi</i>	Ca_Desig_denovo	18452161	(G/C)
42615	CadSNP18210	<i>Desi</i>	Ca_Desig_denovo	18457459	(G/C)
42616	CadSNP18211	<i>Desi</i>	Ca_Desig_denovo	18457486	(T/C)
42617	CadSNP18212	<i>Desi</i>	Ca_Desig_denovo	18458521	(G/C)
42618	CadSNP18213	<i>Desi</i>	Ca_Desig_denovo	18459327	(T/C)
42619	CadSNP18214	<i>Desi</i>	Ca_Desig_denovo	18459366	(C/T)
42620	CadSNP18215	<i>Desi</i>	Ca_Desig_denovo	18460914	(A/G)
42621	CadSNP18216	<i>Desi</i>	Ca_Desig_denovo	18461468	(C/A)
42622	CadSNP18217	<i>Desi</i>	Ca_Desig_denovo	18464035	(A/C)
42623	CadSNP18218	<i>Desi</i>	Ca_Desig_denovo	18467161	(C/T)
42624	CadSNP18219	<i>Desi</i>	Ca_Desig_denovo	18471034	(G/C)
42625	CadSNP18220	<i>Desi</i>	Ca_Desig_denovo	18479303	(G/C)
42626	CadSNP18221	<i>Desi</i>	Ca_Desig_denovo	18479373	(T/C)
42627	CadSNP18222	<i>Desi</i>	Ca_Desig_denovo	18480781	(T/C)
42628	CadSNP18223	<i>Desi</i>	Ca_Desig_denovo	18480805	(G/C)
42629	CadSNP18224	<i>Desi</i>	Ca_Desig_denovo	18481083	(A/G)
42630	CadSNP18225	<i>Desi</i>	Ca_Desig_denovo	18482111	(C/A)
42631	CadSNP18226	<i>Desi</i>	Ca_Desig_denovo	18482120	(A/G)
42632	CadSNP18227	<i>Desi</i>	Ca_Desig_denovo	18482790	(G/A)
42633	CadSNP18228	<i>Desi</i>	Ca_Desig_denovo	18483414	(C/T)
42634	CadSNP18229	<i>Desi</i>	Ca_Desig_denovo	18483424	(G/A)
42635	CadSNP18230	<i>Desi</i>	Ca_Desig_denovo	18486559	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42636	CadSNP18231	<i>Desi</i>	Ca_Desig_denovo	18486609	(C/T)
42637	CadSNP18232	<i>Desi</i>	Ca_Desig_denovo	18498941	(A/C)
42638	CadSNP18233	<i>Desi</i>	Ca_Desig_denovo	18503350	(T/C)
42639	CadSNP18234	<i>Desi</i>	Ca_Desig_denovo	18522278	(T/C)
42640	CadSNP18235	<i>Desi</i>	Ca_Desig_denovo	18523312	(A/C)
42641	CadSNP18236	<i>Desi</i>	Ca_Desig_denovo	18525667	(A/C)
42642	CadSNP18237	<i>Desi</i>	Ca_Desig_denovo	18525894	(A/G)
42643	CadSNP18238	<i>Desi</i>	Ca_Desig_denovo	18529402	(C/G)
42644	CadSNP18239	<i>Desi</i>	Ca_Desig_denovo	18536316	(G/A)
42645	CadSNP18240	<i>Desi</i>	Ca_Desig_denovo	18545607	(T/C)
42646	CadSNP18241	<i>Desi</i>	Ca_Desig_denovo	18545638	(C/G)
42647	CadSNP18242	<i>Desi</i>	Ca_Desig_denovo	18546644	(G/C)
42648	CadSNP18243	<i>Desi</i>	Ca_Desig_denovo	18548290	(A/C)
42649	CadSNP18244	<i>Desi</i>	Ca_Desig_denovo	18548292	(A/C)
42650	CadSNP18245	<i>Desi</i>	Ca_Desig_denovo	18548522	(G/T)
42651	CadSNP18246	<i>Desi</i>	Ca_Desig_denovo	18548531	(C/T)
42652	CadSNP18247	<i>Desi</i>	Ca_Desig_denovo	18561802	(C/G)
42653	CadSNP18248	<i>Desi</i>	Ca_Desig_denovo	18561871	(C/G)
42654	CadSNP18249	<i>Desi</i>	Ca_Desig_denovo	18571655	(A/G)
42655	CadSNP18250	<i>Desi</i>	Ca_Desig_denovo	18572956	(G/T)
42656	CadSNP18251	<i>Desi</i>	Ca_Desig_denovo	18573014	(T/G)
42657	CadSNP18252	<i>Desi</i>	Ca_Desig_denovo	18574909	(T/C)
42658	CadSNP18253	<i>Desi</i>	Ca_Desig_denovo	18577514	(A/C)
42659	CadSNP18254	<i>Desi</i>	Ca_Desig_denovo	18577517	(C/T)
42660	CadSNP18255	<i>Desi</i>	Ca_Desig_denovo	18580153	(C/G)
42661	CadSNP18256	<i>Desi</i>	Ca_Desig_denovo	18592320	(A/G)
42662	CadSNP18257	<i>Desi</i>	Ca_Desig_denovo	18592373	(T/G)
42663	CadSNP18258	<i>Desi</i>	Ca_Desig_denovo	18593345	(A/C)
42664	CadSNP18259	<i>Desi</i>	Ca_Desig_denovo	18593353	(A/G)
42665	CadSNP18260	<i>Desi</i>	Ca_Desig_denovo	18596938	(T/C)
42666	CadSNP18261	<i>Desi</i>	Ca_Desig_denovo	18596952	(G/A)
42667	CadSNP18262	<i>Desi</i>	Ca_Desig_denovo	18597023	(A/G)
42668	CadSNP18263	<i>Desi</i>	Ca_Desig_denovo	18598246	(T/C)
42669	CadSNP18264	<i>Desi</i>	Ca_Desig_denovo	18598267	(T/C)
42670	CadSNP18265	<i>Desi</i>	Ca_Desig_denovo	18598273	(G/A)
42671	CadSNP18266	<i>Desi</i>	Ca_Desig_denovo	18605329	(G/A)
42672	CadSNP18267	<i>Desi</i>	Ca_Desig_denovo	18605341	(A/G)
42673	CadSNP18268	<i>Desi</i>	Ca_Desig_denovo	18607736	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42674	CadSNP18269	<i>Desi</i>	Ca_Desig_denovo	18608599	(G/A)
42675	CadSNP18270	<i>Desi</i>	Ca_Desig_denovo	18608750	(C/T)
42676	CadSNP18271	<i>Desi</i>	Ca_Desig_denovo	18609923	(A/G)
42677	CadSNP18272	<i>Desi</i>	Ca_Desig_denovo	18610441	(T/C)
42678	CadSNP18273	<i>Desi</i>	Ca_Desig_denovo	18610462	(T/C)
42679	CadSNP18274	<i>Desi</i>	Ca_Desig_denovo	18610474	(G/C)
42680	CadSNP18275	<i>Desi</i>	Ca_Desig_denovo	18611319	(A/T)
42681	CadSNP18276	<i>Desi</i>	Ca_Desig_denovo	18624073	(G/A)
42682	CadSNP18277	<i>Desi</i>	Ca_Desig_denovo	18626186	(A/C)
42683	CadSNP18278	<i>Desi</i>	Ca_Desig_denovo	18630668	(A/G)
42684	CadSNP18279	<i>Desi</i>	Ca_Desig_denovo	18634548	(T/C)
42685	CadSNP18280	<i>Desi</i>	Ca_Desig_denovo	18641216	(C/T)
42686	CadSNP18281	<i>Desi</i>	Ca_Desig_denovo	18642446	(G/C)
42687	CadSNP18282	<i>Desi</i>	Ca_Desig_denovo	18647895	(A/C)
42688	CadSNP18283	<i>Desi</i>	Ca_Desig_denovo	18658789	(A/G)
42689	CadSNP18284	<i>Desi</i>	Ca_Desig_denovo	18659350	(T/C)
42690	CadSNP18285	<i>Desi</i>	Ca_Desig_denovo	18659381	(T/C)
42691	CadSNP18286	<i>Desi</i>	Ca_Desig_denovo	18664029	(C/T)
42692	CadSNP18287	<i>Desi</i>	Ca_Desig_denovo	18664056	(T/C)
42693	CadSNP18288	<i>Desi</i>	Ca_Desig_denovo	18666691	(A/G)
42694	CadSNP18289	<i>Desi</i>	Ca_Desig_denovo	18666715	(G/C)
42695	CadSNP18290	<i>Desi</i>	Ca_Desig_denovo	18668140	(G/T)
42696	CadSNP18291	<i>Desi</i>	Ca_Desig_denovo	18674136	(C/A)
42697	CadSNP18292	<i>Desi</i>	Ca_Desig_denovo	18674187	(A/C)
42698	CadSNP18293	<i>Desi</i>	Ca_Desig_denovo	18674551	(C/G)
42699	CadSNP18294	<i>Desi</i>	Ca_Desig_denovo	18674563	(T/C)
42700	CadSNP18295	<i>Desi</i>	Ca_Desig_denovo	18677298	(A/C)
42701	CadSNP18296	<i>Desi</i>	Ca_Desig_denovo	18681793	(T/A)
42702	CadSNP18297	<i>Desi</i>	Ca_Desig_denovo	18682417	(C/T)
42703	CadSNP18298	<i>Desi</i>	Ca_Desig_denovo	18685453	(C/T)
42704	CadSNP18299	<i>Desi</i>	Ca_Desig_denovo	18685600	(A/G)
42705	CadSNP18300	<i>Desi</i>	Ca_Desig_denovo	18694159	(G/T)
42706	CadSNP18301	<i>Desi</i>	Ca_Desig_denovo	18694180	(T/A)
42707	CadSNP18302	<i>Desi</i>	Ca_Desig_denovo	18696846	(C/T)
42708	CadSNP18303	<i>Desi</i>	Ca_Desig_denovo	18696851	(C/T)
42709	CadSNP18304	<i>Desi</i>	Ca_Desig_denovo	18703373	(G/C)
42710	CadSNP18305	<i>Desi</i>	Ca_Desig_denovo	18704184	(C/G)
42711	CadSNP18306	<i>Desi</i>	Ca_Desig_denovo	18706112	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42712	CadSNP18307	<i>Desi</i>	Ca_Desig_denovo	18706141	(T/C)
42713	CadSNP18308	<i>Desi</i>	Ca_Desig_denovo	18706147	(G/A)
42714	CadSNP18309	<i>Desi</i>	Ca_Desig_denovo	18706802	(A/T)
42715	CadSNP18310	<i>Desi</i>	Ca_Desig_denovo	18720361	(C/G)
42716	CadSNP18311	<i>Desi</i>	Ca_Desig_denovo	18720367	(A/C)
42717	CadSNP18312	<i>Desi</i>	Ca_Desig_denovo	18735982	(A/G)
42718	CadSNP18313	<i>Desi</i>	Ca_Desig_denovo	18736607	(G/A)
42719	CadSNP18314	<i>Desi</i>	Ca_Desig_denovo	18737748	(C/G)
42720	CadSNP18315	<i>Desi</i>	Ca_Desig_denovo	18737766	(A/G)
42721	CadSNP18316	<i>Desi</i>	Ca_Desig_denovo	18739696	(T/C)
42722	CadSNP18317	<i>Desi</i>	Ca_Desig_denovo	18739739	(T/A)
42723	CadSNP18318	<i>Desi</i>	Ca_Desig_denovo	18743617	(C/T)
42724	CadSNP18319	<i>Desi</i>	Ca_Desig_denovo	18743626	(C/T)
42725	CadSNP18320	<i>Desi</i>	Ca_Desig_denovo	18744449	(C/T)
42726	CadSNP18321	<i>Desi</i>	Ca_Desig_denovo	18744464	(C/G)
42727	CadSNP18322	<i>Desi</i>	Ca_Desig_denovo	18746767	(G/A)
42728	CadSNP18323	<i>Desi</i>	Ca_Desig_denovo	18746845	(A/G)
42729	CadSNP18324	<i>Desi</i>	Ca_Desig_denovo	18751695	(G/C)
42730	CadSNP18325	<i>Desi</i>	Ca_Desig_denovo	18751703	(C/T)
42731	CadSNP18326	<i>Desi</i>	Ca_Desig_denovo	18752113	(C/T)
42732	CadSNP18327	<i>Desi</i>	Ca_Desig_denovo	18752383	(C/T)
42733	CadSNP18328	<i>Desi</i>	Ca_Desig_denovo	18755059	(C/T)
42734	CadSNP18329	<i>Desi</i>	Ca_Desig_denovo	18755062	(A/G)
42735	CadSNP18330	<i>Desi</i>	Ca_Desig_denovo	18755068	(A/C)
42736	CadSNP18331	<i>Desi</i>	Ca_Desig_denovo	18757138	(C/T)
42737	CadSNP18332	<i>Desi</i>	Ca_Desig_denovo	18757168	(A/G)
42738	CadSNP18333	<i>Desi</i>	Ca_Desig_denovo	18760339	(G/A)
42739	CadSNP18334	<i>Desi</i>	Ca_Desig_denovo	18762107	(T/C)
42740	CadSNP18335	<i>Desi</i>	Ca_Desig_denovo	18762155	(A/G)
42741	CadSNP18336	<i>Desi</i>	Ca_Desig_denovo	18772901	(T/C)
42742	CadSNP18337	<i>Desi</i>	Ca_Desig_denovo	18772904	(G/A)
42743	CadSNP18338	<i>Desi</i>	Ca_Desig_denovo	18776896	(T/C)
42744	CadSNP18339	<i>Desi</i>	Ca_Desig_denovo	18779501	(G/A)
42745	CadSNP18340	<i>Desi</i>	Ca_Desig_denovo	18779560	(C/A)
42746	CadSNP18341	<i>Desi</i>	Ca_Desig_denovo	18780903	(C/T)
42747	CadSNP18342	<i>Desi</i>	Ca_Desig_denovo	18783577	(T/G)
42748	CadSNP18343	<i>Desi</i>	Ca_Desig_denovo	18783998	(G/C)
42749	CadSNP18344	<i>Desi</i>	Ca_Desig_denovo	18784015	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42750	CadSNP18345	<i>Desi</i>	Ca_Desig_denovo	18784160	(C/G)
42751	CadSNP18346	<i>Desi</i>	Ca_Desig_denovo	18784175	(G/A)
42752	CadSNP18347	<i>Desi</i>	Ca_Desig_denovo	18790304	(G/C)
42753	CadSNP18348	<i>Desi</i>	Ca_Desig_denovo	18790346	(C/G)
42754	CadSNP18349	<i>Desi</i>	Ca_Desig_denovo	18798922	(A/C)
42755	CadSNP18350	<i>Desi</i>	Ca_Desig_denovo	18798927	(G/C)
42756	CadSNP18351	<i>Desi</i>	Ca_Desig_denovo	18798928	(G/T)
42757	CadSNP18352	<i>Desi</i>	Ca_Desig_denovo	18800619	(C/G)
42758	CadSNP18353	<i>Desi</i>	Ca_Desig_denovo	18803516	(C/T)
42759	CadSNP18354	<i>Desi</i>	Ca_Desig_denovo	18807476	(C/G)
42760	CadSNP18355	<i>Desi</i>	Ca_Desig_denovo	18807484	(A/T)
42761	CadSNP18356	<i>Desi</i>	Ca_Desig_denovo	18809362	(G/A)
42762	CadSNP18357	<i>Desi</i>	Ca_Desig_denovo	18809398	(G/A)
42763	CadSNP18358	<i>Desi</i>	Ca_Desig_denovo	18810662	(A/G)
42764	CadSNP18359	<i>Desi</i>	Ca_Desig_denovo	18810671	(C/G)
42765	CadSNP18360	<i>Desi</i>	Ca_Desig_denovo	18818185	(C/T)
42766	CadSNP18361	<i>Desi</i>	Ca_Desig_denovo	18818191	(C/T)
42767	CadSNP18362	<i>Desi</i>	Ca_Desig_denovo	18818610	(G/A)
42768	CadSNP18363	<i>Desi</i>	Ca_Desig_denovo	18820813	(C/T)
42769	CadSNP18364	<i>Desi</i>	Ca_Desig_denovo	18825498	(C/A)
42770	CadSNP18365	<i>Desi</i>	Ca_Desig_denovo	18832332	(C/T)
42771	CadSNP18366	<i>Desi</i>	Ca_Desig_denovo	18832335	(C/T)
42772	CadSNP18367	<i>Desi</i>	Ca_Desig_denovo	18832833	(C/T)
42773	CadSNP18368	<i>Desi</i>	Ca_Desig_denovo	18832862	(A/G)
42774	CadSNP18369	<i>Desi</i>	Ca_Desig_denovo	18836965	(C/G)
42775	CadSNP18370	<i>Desi</i>	Ca_Desig_denovo	18845037	(A/G)
42776	CadSNP18371	<i>Desi</i>	Ca_Desig_denovo	18846406	(C/G)
42777	CadSNP18372	<i>Desi</i>	Ca_Desig_denovo	18846411	(G/C)
42778	CadSNP18373	<i>Desi</i>	Ca_Desig_denovo	18858843	(C/T)
42779	CadSNP18374	<i>Desi</i>	Ca_Desig_denovo	18858846	(T/C)
42780	CadSNP18375	<i>Desi</i>	Ca_Desig_denovo	18862830	(G/T)
42781	CadSNP18376	<i>Desi</i>	Ca_Desig_denovo	18864041	(C/T)
42782	CadSNP18377	<i>Desi</i>	Ca_Desig_denovo	18872500	(A/C)
42783	CadSNP18378	<i>Desi</i>	Ca_Desig_denovo	18875128	(T/G)
42784	CadSNP18379	<i>Desi</i>	Ca_Desig_denovo	18875589	(A/G)
42785	CadSNP18380	<i>Desi</i>	Ca_Desig_denovo	18875597	(T/A)
42786	CadSNP18381	<i>Desi</i>	Ca_Desig_denovo	18878155	(T/C)
42787	CadSNP18382	<i>Desi</i>	Ca_Desig_denovo	18878163	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42788	CadSNP18383	<i>Desi</i>	Ca_Desig_denovo	18880220	(A/G)
42789	CadSNP18384	<i>Desi</i>	Ca_Desig_denovo	18880226	(G/A)
42790	CadSNP18385	<i>Desi</i>	Ca_Desig_denovo	18880625	(G/A)
42791	CadSNP18386	<i>Desi</i>	Ca_Desig_denovo	18894882	(C/T)
42792	CadSNP18387	<i>Desi</i>	Ca_Desig_denovo	18896752	(G/A)
42793	CadSNP18388	<i>Desi</i>	Ca_Desig_denovo	18899015	(C/T)
42794	CadSNP18389	<i>Desi</i>	Ca_Desig_denovo	18899034	(C/A)
42795	CadSNP18390	<i>Desi</i>	Ca_Desig_denovo	18900770	(C/T)
42796	CadSNP18391	<i>Desi</i>	Ca_Desig_denovo	18901615	(A/G)
42797	CadSNP18392	<i>Desi</i>	Ca_Desig_denovo	18901618	(A/G)
42798	CadSNP18393	<i>Desi</i>	Ca_Desig_denovo	18902578	(G/A)
42799	CadSNP18394	<i>Desi</i>	Ca_Desig_denovo	18903581	(G/T)
42800	CadSNP18395	<i>Desi</i>	Ca_Desig_denovo	18903587	(G/A)
42801	CadSNP18396	<i>Desi</i>	Ca_Desig_denovo	18905014	(C/T)
42802	CadSNP18397	<i>Desi</i>	Ca_Desig_denovo	18908938	(T/C)
42803	CadSNP18398	<i>Desi</i>	Ca_Desig_denovo	18908944	(T/G)
42804	CadSNP18399	<i>Desi</i>	Ca_Desig_denovo	18910188	(G/C)
42805	CadSNP18400	<i>Desi</i>	Ca_Desig_denovo	18910197	(T/C)
42806	CadSNP18401	<i>Desi</i>	Ca_Desig_denovo	18910361	(G/A)
42807	CadSNP18402	<i>Desi</i>	Ca_Desig_denovo	18910406	(A/G)
42808	CadSNP18403	<i>Desi</i>	Ca_Desig_denovo	18910991	(T/G)
42809	CadSNP18404	<i>Desi</i>	Ca_Desig_denovo	18916428	(A/G)
42810	CadSNP18405	<i>Desi</i>	Ca_Desig_denovo	18922561	(G/C)
42811	CadSNP18406	<i>Desi</i>	Ca_Desig_denovo	18922570	(C/T)
42812	CadSNP18407	<i>Desi</i>	Ca_Desig_denovo	18923194	(T/G)
42813	CadSNP18408	<i>Desi</i>	Ca_Desig_denovo	18923225	(C/G)
42814	CadSNP18409	<i>Desi</i>	Ca_Desig_denovo	18926092	(G/T)
42815	CadSNP18410	<i>Desi</i>	Ca_Desig_denovo	18927746	(A/T)
42816	CadSNP18411	<i>Desi</i>	Ca_Desig_denovo	18927767	(T/C)
42817	CadSNP18412	<i>Desi</i>	Ca_Desig_denovo	18928904	(T/G)
42818	CadSNP18413	<i>Desi</i>	Ca_Desig_denovo	18938387	(T/C)
42819	CadSNP18414	<i>Desi</i>	Ca_Desig_denovo	18938418	(G/A)
42820	CadSNP18415	<i>Desi</i>	Ca_Desig_denovo	18951485	(C/T)
42821	CadSNP18416	<i>Desi</i>	Ca_Desig_denovo	18951497	(G/A)
42822	CadSNP18417	<i>Desi</i>	Ca_Desig_denovo	18951539	(A/C)
42823	CadSNP18418	<i>Desi</i>	Ca_Desig_denovo	18951541	(A/T)
42824	CadSNP18419	<i>Desi</i>	Ca_Desig_denovo	18952016	(A/C)
42825	CadSNP18420	<i>Desi</i>	Ca_Desig_denovo	18952772	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42826	CadSNP18421	<i>Desi</i>	Ca_Desig_denovo	18952776	(G/A)
42827	CadSNP18422	<i>Desi</i>	Ca_Desig_denovo	18963863	(A/G)
42828	CadSNP18423	<i>Desi</i>	Ca_Desig_denovo	18963883	(A/C)
42829	CadSNP18424	<i>Desi</i>	Ca_Desig_denovo	18972580	(C/T)
42830	CadSNP18425	<i>Desi</i>	Ca_Desig_denovo	18977333	(A/G)
42831	CadSNP18426	<i>Desi</i>	Ca_Desig_denovo	18977390	(T/C)
42832	CadSNP18427	<i>Desi</i>	Ca_Desig_denovo	18980785	(T/C)
42833	CadSNP18428	<i>Desi</i>	Ca_Desig_denovo	18980963	(T/C)
42834	CadSNP18429	<i>Desi</i>	Ca_Desig_denovo	18984763	(G/C)
42835	CadSNP18430	<i>Desi</i>	Ca_Desig_denovo	18984787	(A/C)
42836	CadSNP18431	<i>Desi</i>	Ca_Desig_denovo	18987580	(T/C)
42837	CadSNP18432	<i>Desi</i>	Ca_Desig_denovo	18987583	(T/C)
42838	CadSNP18433	<i>Desi</i>	Ca_Desig_denovo	18988808	(T/G)
42839	CadSNP18434	<i>Desi</i>	Ca_Desig_denovo	18989351	(G/T)
42840	CadSNP18435	<i>Desi</i>	Ca_Desig_denovo	18989519	(G/C)
42841	CadSNP18436	<i>Desi</i>	Ca_Desig_denovo	18989562	(T/C)
42842	CadSNP18437	<i>Desi</i>	Ca_Desig_denovo	18990766	(C/G)
42843	CadSNP18438	<i>Desi</i>	Ca_Desig_denovo	18993587	(T/C)
42844	CadSNP18439	<i>Desi</i>	Ca_Desig_denovo	18994187	(T/C)
42845	CadSNP18440	<i>Desi</i>	Ca_Desig_denovo	19000611	(A/C)
42846	CadSNP18441	<i>Desi</i>	Ca_Desig_denovo	19006980	(C/T)
42847	CadSNP18442	<i>Desi</i>	Ca_Desig_denovo	19007034	(G/A)
42848	CadSNP18443	<i>Desi</i>	Ca_Desig_denovo	19008576	(T/G)
42849	CadSNP18444	<i>Desi</i>	Ca_Desig_denovo	19008587	(G/C)
42850	CadSNP18445	<i>Desi</i>	Ca_Desig_denovo	19018619	(G/C)
42851	CadSNP18446	<i>Desi</i>	Ca_Desig_denovo	19019009	(C/A)
42852	CadSNP18447	<i>Desi</i>	Ca_Desig_denovo	19022991	(T/G)
42853	CadSNP18448	<i>Desi</i>	Ca_Desig_denovo	19024274	(T/C)
42854	CadSNP18449	<i>Desi</i>	Ca_Desig_denovo	19030289	(C/A)
42855	CadSNP18450	<i>Desi</i>	Ca_Desig_denovo	19031643	(C/G)
42856	CadSNP18451	<i>Desi</i>	Ca_Desig_denovo	19036325	(A/G)
42857	CadSNP18452	<i>Desi</i>	Ca_Desig_denovo	19039413	(A/G)
42858	CadSNP18453	<i>Desi</i>	Ca_Desig_denovo	19039425	(C/A)
42859	CadSNP18454	<i>Desi</i>	Ca_Desig_denovo	19049603	(C/G)
42860	CadSNP18455	<i>Desi</i>	Ca_Desig_denovo	19049760	(C/T)
42861	CadSNP18456	<i>Desi</i>	Ca_Desig_denovo	19053034	(T/C)
42862	CadSNP18457	<i>Desi</i>	Ca_Desig_denovo	19055666	(G/T)
42863	CadSNP18458	<i>Desi</i>	Ca_Desig_denovo	19058582	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42864	CadSNP18459	<i>Desi</i>	Ca_Desig_denovo	19061338	(C/G)
42865	CadSNP18460	<i>Desi</i>	Ca_Desig_denovo	19061354	(A/T)
42866	CadSNP18461	<i>Desi</i>	Ca_Desig_denovo	19065462	(T/G)
42867	CadSNP18462	<i>Desi</i>	Ca_Desig_denovo	19072384	(T/C)
42868	CadSNP18463	<i>Desi</i>	Ca_Desig_denovo	19072398	(T/G)
42869	CadSNP18464	<i>Desi</i>	Ca_Desig_denovo	19072411	(A/G)
42870	CadSNP18465	<i>Desi</i>	Ca_Desig_denovo	19074378	(G/A)
42871	CadSNP18466	<i>Desi</i>	Ca_Desig_denovo	19078252	(A/G)
42872	CadSNP18467	<i>Desi</i>	Ca_Desig_denovo	19078282	(G/A)
42873	CadSNP18468	<i>Desi</i>	Ca_Desig_denovo	19081732	(A/C)
42874	CadSNP18469	<i>Desi</i>	Ca_Desig_denovo	19098995	(T/C)
42875	CadSNP18470	<i>Desi</i>	Ca_Desig_denovo	19098996	(T/G)
42876	CadSNP18471	<i>Desi</i>	Ca_Desig_denovo	19099915	(C/T)
42877	CadSNP18472	<i>Desi</i>	Ca_Desig_denovo	19099942	(A/T)
42878	CadSNP18473	<i>Desi</i>	Ca_Desig_denovo	19099994	(G/C)
42879	CadSNP18474	<i>Desi</i>	Ca_Desig_denovo	19100036	(G/A)
42880	CadSNP18475	<i>Desi</i>	Ca_Desig_denovo	19101580	(C/T)
42881	CadSNP18476	<i>Desi</i>	Ca_Desig_denovo	19101589	(A/C)
42882	CadSNP18477	<i>Desi</i>	Ca_Desig_denovo	19102118	(A/C)
42883	CadSNP18478	<i>Desi</i>	Ca_Desig_denovo	19102138	(T/C)
42884	CadSNP18479	<i>Desi</i>	Ca_Desig_denovo	19102504	(G/A)
42885	CadSNP18480	<i>Desi</i>	Ca_Desig_denovo	19122215	(A/T)
42886	CadSNP18481	<i>Desi</i>	Ca_Desig_denovo	19122287	(G/A)
42887	CadSNP18482	<i>Desi</i>	Ca_Desig_denovo	19124066	(G/T)
42888	CadSNP18483	<i>Desi</i>	Ca_Desig_denovo	19124069	(A/G)
42889	CadSNP18484	<i>Desi</i>	Ca_Desig_denovo	19124104	(C/T)
42890	CadSNP18485	<i>Desi</i>	Ca_Desig_denovo	19128250	(C/G)
42891	CadSNP18486	<i>Desi</i>	Ca_Desig_denovo	19128320	(A/C)
42892	CadSNP18487	<i>Desi</i>	Ca_Desig_denovo	19133364	(G/T)
42893	CadSNP18488	<i>Desi</i>	Ca_Desig_denovo	19133410	(C/T)
42894	CadSNP18489	<i>Desi</i>	Ca_Desig_denovo	19138570	(A/G)
42895	CadSNP18490	<i>Desi</i>	Ca_Desig_denovo	19146023	(A/C)
42896	CadSNP18491	<i>Desi</i>	Ca_Desig_denovo	19147879	(G/C)
42897	CadSNP18492	<i>Desi</i>	Ca_Desig_denovo	19147915	(G/T)
42898	CadSNP18493	<i>Desi</i>	Ca_Desig_denovo	19148499	(G/A)
42899	CadSNP18494	<i>Desi</i>	Ca_Desig_denovo	19151602	(A/G)
42900	CadSNP18495	<i>Desi</i>	Ca_Desig_denovo	19151604	(C/A)
42901	CadSNP18496	<i>Desi</i>	Ca_Desig_denovo	19151983	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42902	CadSNP18497	<i>Desi</i>	Ca_Desig_denovo	19152002	(G/A)
42903	CadSNP18498	<i>Desi</i>	Ca_Desig_denovo	19160384	(G/C)
42904	CadSNP18499	<i>Desi</i>	Ca_Desig_denovo	19160391	(A/C)
42905	CadSNP18500	<i>Desi</i>	Ca_Desig_denovo	19170391	(C/T)
42906	CadSNP18501	<i>Desi</i>	Ca_Desig_denovo	19170460	(C/A)
42907	CadSNP18502	<i>Desi</i>	Ca_Desig_denovo	19173696	(T/C)
42908	CadSNP18503	<i>Desi</i>	Ca_Desig_denovo	19190163	(C/A)
42909	CadSNP18504	<i>Desi</i>	Ca_Desig_denovo	19192222	(T/C)
42910	CadSNP18505	<i>Desi</i>	Ca_Desig_denovo	19192225	(C/T)
42911	CadSNP18506	<i>Desi</i>	Ca_Desig_denovo	19195871	(T/G)
42912	CadSNP18507	<i>Desi</i>	Ca_Desig_denovo	19195929	(G/C)
42913	CadSNP18508	<i>Desi</i>	Ca_Desig_denovo	19198956	(G/A)
42914	CadSNP18509	<i>Desi</i>	Ca_Desig_denovo	19199001	(G/T)
42915	CadSNP18510	<i>Desi</i>	Ca_Desig_denovo	19199910	(T/C)
42916	CadSNP18511	<i>Desi</i>	Ca_Desig_denovo	19199918	(A/G)
42917	CadSNP18512	<i>Desi</i>	Ca_Desig_denovo	19206109	(G/A)
42918	CadSNP18513	<i>Desi</i>	Ca_Desig_denovo	19206115	(C/T)
42919	CadSNP18514	<i>Desi</i>	Ca_Desig_denovo	19206118	(C/T)
42920	CadSNP18515	<i>Desi</i>	Ca_Desig_denovo	19220952	(G/C)
42921	CadSNP18516	<i>Desi</i>	Ca_Desig_denovo	19222108	(G/T)
42922	CadSNP18517	<i>Desi</i>	Ca_Desig_denovo	19225642	(A/G)
42923	CadSNP18518	<i>Desi</i>	Ca_Desig_denovo	19225647	(G/A)
42924	CadSNP18519	<i>Desi</i>	Ca_Desig_denovo	19229759	(G/A)
42925	CadSNP18520	<i>Desi</i>	Ca_Desig_denovo	19240979	(C/T)
42926	CadSNP18521	<i>Desi</i>	Ca_Desig_denovo	19241030	(T/C)
42927	CadSNP18522	<i>Desi</i>	Ca_Desig_denovo	19247038	(T/C)
42928	CadSNP18523	<i>Desi</i>	Ca_Desig_denovo	19247064	(T/C)
42929	CadSNP18524	<i>Desi</i>	Ca_Desig_denovo	19252052	(G/A)
42930	CadSNP18525	<i>Desi</i>	Ca_Desig_denovo	19255777	(A/G)
42931	CadSNP18526	<i>Desi</i>	Ca_Desig_denovo	19260042	(A/G)
42932	CadSNP18527	<i>Desi</i>	Ca_Desig_denovo	19264122	(C/T)
42933	CadSNP18528	<i>Desi</i>	Ca_Desig_denovo	19269246	(C/T)
42934	CadSNP18529	<i>Desi</i>	Ca_Desig_denovo	19274684	(C/T)
42935	CadSNP18530	<i>Desi</i>	Ca_Desig_denovo	19274705	(C/G)
42936	CadSNP18531	<i>Desi</i>	Ca_Desig_denovo	19275745	(C/A)
42937	CadSNP18532	<i>Desi</i>	Ca_Desig_denovo	19275762	(T/G)
42938	CadSNP18533	<i>Desi</i>	Ca_Desig_denovo	19277110	(G/A)
42939	CadSNP18534	<i>Desi</i>	Ca_Desig_denovo	19285460	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42940	CadSNP18535	<i>Desi</i>	Ca_Desig_denovo	19290049	(C/T)
42941	CadSNP18536	<i>Desi</i>	Ca_Desig_denovo	19290059	(T/G)
42942	CadSNP18537	<i>Desi</i>	Ca_Desig_denovo	19295584	(G/T)
42943	CadSNP18538	<i>Desi</i>	Ca_Desig_denovo	19299202	(A/G)
42944	CadSNP18539	<i>Desi</i>	Ca_Desig_denovo	19301797	(C/T)
42945	CadSNP18540	<i>Desi</i>	Ca_Desig_denovo	19303304	(G/A)
42946	CadSNP18541	<i>Desi</i>	Ca_Desig_denovo	19304948	(C/A)
42947	CadSNP18542	<i>Desi</i>	Ca_Desig_denovo	19306435	(T/C)
42948	CadSNP18543	<i>Desi</i>	Ca_Desig_denovo	19306465	(T/C)
42949	CadSNP18544	<i>Desi</i>	Ca_Desig_denovo	19307162	(T/G)
42950	CadSNP18545	<i>Desi</i>	Ca_Desig_denovo	19308057	(A/G)
42951	CadSNP18546	<i>Desi</i>	Ca_Desig_denovo	19310554	(G/A)
42952	CadSNP18547	<i>Desi</i>	Ca_Desig_denovo	19310584	(C/G)
42953	CadSNP18548	<i>Desi</i>	Ca_Desig_denovo	19312420	(C/A)
42954	CadSNP18549	<i>Desi</i>	Ca_Desig_denovo	19312426	(C/T)
42955	CadSNP18550	<i>Desi</i>	Ca_Desig_denovo	19315481	(C/G)
42956	CadSNP18551	<i>Desi</i>	Ca_Desig_denovo	19316927	(T/A)
42957	CadSNP18552	<i>Desi</i>	Ca_Desig_denovo	19323056	(T/C)
42958	CadSNP18553	<i>Desi</i>	Ca_Desig_denovo	19324156	(C/G)
42959	CadSNP18554	<i>Desi</i>	Ca_Desig_denovo	19332882	(C/A)
42960	CadSNP18555	<i>Desi</i>	Ca_Desig_denovo	19344763	(T/A)
42961	CadSNP18556	<i>Desi</i>	Ca_Desig_denovo	19344793	(G/A)
42962	CadSNP18557	<i>Desi</i>	Ca_Desig_denovo	19345132	(A/G)
42963	CadSNP18558	<i>Desi</i>	Ca_Desig_denovo	19345203	(A/C)
42964	CadSNP18559	<i>Desi</i>	Ca_Desig_denovo	19345595	(C/T)
42965	CadSNP18560	<i>Desi</i>	Ca_Desig_denovo	19345625	(T/C)
42966	CadSNP18561	<i>Desi</i>	Ca_Desig_denovo	19349686	(G/A)
42967	CadSNP18562	<i>Desi</i>	Ca_Desig_denovo	19352492	(T/C)
42968	CadSNP18563	<i>Desi</i>	Ca_Desig_denovo	19356205	(C/A)
42969	CadSNP18564	<i>Desi</i>	Ca_Desig_denovo	19356253	(T/C)
42970	CadSNP18565	<i>Desi</i>	Ca_Desig_denovo	19361933	(C/T)
42971	CadSNP18566	<i>Desi</i>	Ca_Desig_denovo	19362002	(C/A)
42972	CadSNP18567	<i>Desi</i>	Ca_Desig_denovo	19362004	(C/G)
42973	CadSNP18568	<i>Desi</i>	Ca_Desig_denovo	19376009	(T/C)
42974	CadSNP18569	<i>Desi</i>	Ca_Desig_denovo	19376079	(C/A)
42975	CadSNP18570	<i>Desi</i>	Ca_Desig_denovo	19393793	(A/C)
42976	CadSNP18571	<i>Desi</i>	Ca_Desig_denovo	19397218	(G/C)
42977	CadSNP18572	<i>Desi</i>	Ca_Desig_denovo	19401041	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
42978	CadSNP18573	<i>Desi</i>	Ca_Desig_denovo	19404288	(T/C)
42979	CadSNP18574	<i>Desi</i>	Ca_Desig_denovo	19405469	(T/G)
42980	CadSNP18575	<i>Desi</i>	Ca_Desig_denovo	19405582	(A/T)
42981	CadSNP18576	<i>Desi</i>	Ca_Desig_denovo	19405621	(A/G)
42982	CadSNP18577	<i>Desi</i>	Ca_Desig_denovo	19413506	(G/C)
42983	CadSNP18578	<i>Desi</i>	Ca_Desig_denovo	19413902	(A/C)
42984	CadSNP18579	<i>Desi</i>	Ca_Desig_denovo	19415294	(A/T)
42985	CadSNP18580	<i>Desi</i>	Ca_Desig_denovo	19416137	(A/G)
42986	CadSNP18581	<i>Desi</i>	Ca_Desig_denovo	19422266	(T/G)
42987	CadSNP18582	<i>Desi</i>	Ca_Desig_denovo	19427080	(G/A)
42988	CadSNP18583	<i>Desi</i>	Ca_Desig_denovo	19433992	(A/G)
42989	CadSNP18584	<i>Desi</i>	Ca_Desig_denovo	19434023	(T/G)
42990	CadSNP18585	<i>Desi</i>	Ca_Desig_denovo	19438581	(A/C)
42991	CadSNP18586	<i>Desi</i>	Ca_Desig_denovo	19438582	(G/A)
42992	CadSNP18587	<i>Desi</i>	Ca_Desig_denovo	19439260	(C/T)
42993	CadSNP18588	<i>Desi</i>	Ca_Desig_denovo	19439312	(G/A)
42994	CadSNP18589	<i>Desi</i>	Ca_Desig_denovo	19442221	(A/C)
42995	CadSNP18590	<i>Desi</i>	Ca_Desig_denovo	19442285	(C/T)
42996	CadSNP18591	<i>Desi</i>	Ca_Desig_denovo	19444519	(T/G)
42997	CadSNP18592	<i>Desi</i>	Ca_Desig_denovo	19447996	(C/T)
42998	CadSNP18593	<i>Desi</i>	Ca_Desig_denovo	19455279	(T/C)
42999	CadSNP18594	<i>Desi</i>	Ca_Desig_denovo	19460258	(A/G)
43000	CadSNP18595	<i>Desi</i>	Ca_Desig_denovo	19460318	(G/A)
43001	CadSNP18596	<i>Desi</i>	Ca_Desig_denovo	19460875	(T/G)
43002	CadSNP18597	<i>Desi</i>	Ca_Desig_denovo	19467327	(A/G)
43003	CadSNP18598	<i>Desi</i>	Ca_Desig_denovo	19467472	(G/A)
43004	CadSNP18599	<i>Desi</i>	Ca_Desig_denovo	19467477	(G/A)
43005	CadSNP18600	<i>Desi</i>	Ca_Desig_denovo	19474073	(A/G)
43006	CadSNP18601	<i>Desi</i>	Ca_Desig_denovo	19474086	(C/T)
43007	CadSNP18602	<i>Desi</i>	Ca_Desig_denovo	19478492	(C/G)
43008	CadSNP18603	<i>Desi</i>	Ca_Desig_denovo	19478514	(T/G)
43009	CadSNP18604	<i>Desi</i>	Ca_Desig_denovo	19479476	(A/G)
43010	CadSNP18605	<i>Desi</i>	Ca_Desig_denovo	19491538	(G/T)
43011	CadSNP18606	<i>Desi</i>	Ca_Desig_denovo	19497307	(G/A)
43012	CadSNP18607	<i>Desi</i>	Ca_Desig_denovo	19497352	(G/A)
43013	CadSNP18608	<i>Desi</i>	Ca_Desig_denovo	19502112	(C/T)
43014	CadSNP18609	<i>Desi</i>	Ca_Desig_denovo	19502166	(C/T)
43015	CadSNP18610	<i>Desi</i>	Ca_Desig_denovo	19509950	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43016	CadSNP18611	<i>Desi</i>	Ca_Desig_denovo	19511241	(T/C)
43017	CadSNP18612	<i>Desi</i>	Ca_Desig_denovo	19511265	(A/G)
43018	CadSNP18613	<i>Desi</i>	Ca_Desig_denovo	19513717	(C/A)
43019	CadSNP18614	<i>Desi</i>	Ca_Desig_denovo	19517026	(T/C)
43020	CadSNP18615	<i>Desi</i>	Ca_Desig_denovo	19524080	(C/G)
43021	CadSNP18616	<i>Desi</i>	Ca_Desig_denovo	19524125	(G/A)
43022	CadSNP18617	<i>Desi</i>	Ca_Desig_denovo	19526065	(C/G)
43023	CadSNP18618	<i>Desi</i>	Ca_Desig_denovo	19532455	(A/G)
43024	CadSNP18619	<i>Desi</i>	Ca_Desig_denovo	19544922	(T/C)
43025	CadSNP18620	<i>Desi</i>	Ca_Desig_denovo	19551170	(C/T)
43026	CadSNP18621	<i>Desi</i>	Ca_Desig_denovo	19551179	(G/C)
43027	CadSNP18622	<i>Desi</i>	Ca_Desig_denovo	19551625	(C/G)
43028	CadSNP18623	<i>Desi</i>	Ca_Desig_denovo	19551639	(G/T)
43029	CadSNP18624	<i>Desi</i>	Ca_Desig_denovo	19552580	(C/T)
43030	CadSNP18625	<i>Desi</i>	Ca_Desig_denovo	19552591	(T/C)
43031	CadSNP18626	<i>Desi</i>	Ca_Desig_denovo	19559966	(C/A)
43032	CadSNP18627	<i>Desi</i>	Ca_Desig_denovo	19559977	(A/C)
43033	CadSNP18628	<i>Desi</i>	Ca_Desig_denovo	19560542	(G/A)
43034	CadSNP18629	<i>Desi</i>	Ca_Desig_denovo	19560584	(A/G)
43035	CadSNP18630	<i>Desi</i>	Ca_Desig_denovo	19562284	(T/G)
43036	CadSNP18631	<i>Desi</i>	Ca_Desig_denovo	19562697	(T/C)
43037	CadSNP18632	<i>Desi</i>	Ca_Desig_denovo	19568525	(A/C)
43038	CadSNP18633	<i>Desi</i>	Ca_Desig_denovo	19568538	(C/T)
43039	CadSNP18634	<i>Desi</i>	Ca_Desig_denovo	19572549	(C/G)
43040	CadSNP18635	<i>Desi</i>	Ca_Desig_denovo	19572587	(A/G)
43041	CadSNP18636	<i>Desi</i>	Ca_Desig_denovo	19573246	(C/T)
43042	CadSNP18637	<i>Desi</i>	Ca_Desig_denovo	19577116	(C/A)
43043	CadSNP18638	<i>Desi</i>	Ca_Desig_denovo	19577119	(G/C)
43044	CadSNP18639	<i>Desi</i>	Ca_Desig_denovo	19580278	(C/G)
43045	CadSNP18640	<i>Desi</i>	Ca_Desig_denovo	19581441	(C/T)
43046	CadSNP18641	<i>Desi</i>	Ca_Desig_denovo	19582289	(T/C)
43047	CadSNP18642	<i>Desi</i>	Ca_Desig_denovo	19585335	(A/C)
43048	CadSNP18643	<i>Desi</i>	Ca_Desig_denovo	19586091	(A/G)
43049	CadSNP18644	<i>Desi</i>	Ca_Desig_denovo	19586116	(A/C)
43050	CadSNP18645	<i>Desi</i>	Ca_Desig_denovo	19594774	(C/G)
43051	CadSNP18646	<i>Desi</i>	Ca_Desig_denovo	19594822	(C/T)
43052	CadSNP18647	<i>Desi</i>	Ca_Desig_denovo	19602119	(C/G)
43053	CadSNP18648	<i>Desi</i>	Ca_Desig_denovo	19602155	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43054	CadSNP18649	<i>Desi</i>	Ca_Desig_denovo	19607692	(A/G)
43055	CadSNP18650	<i>Desi</i>	Ca_Desig_denovo	19619329	(A/G)
43056	CadSNP18651	<i>Desi</i>	Ca_Desig_denovo	19622541	(G/A)
43057	CadSNP18652	<i>Desi</i>	Ca_Desig_denovo	19631021	(G/A)
43058	CadSNP18653	<i>Desi</i>	Ca_Desig_denovo	19631024	(C/T)
43059	CadSNP18654	<i>Desi</i>	Ca_Desig_denovo	19634641	(T/C)
43060	CadSNP18655	<i>Desi</i>	Ca_Desig_denovo	19634692	(T/C)
43061	CadSNP18656	<i>Desi</i>	Ca_Desig_denovo	19637348	(T/C)
43062	CadSNP18657	<i>Desi</i>	Ca_Desig_denovo	19638811	(A/C)
43063	CadSNP18658	<i>Desi</i>	Ca_Desig_denovo	19639601	(G/A)
43064	CadSNP18659	<i>Desi</i>	Ca_Desig_denovo	19643025	(G/A)
43065	CadSNP18660	<i>Desi</i>	Ca_Desig_denovo	19643839	(C/T)
43066	CadSNP18661	<i>Desi</i>	Ca_Desig_denovo	19645637	(G/A)
43067	CadSNP18662	<i>Desi</i>	Ca_Desig_denovo	19645676	(A/G)
43068	CadSNP18663	<i>Desi</i>	Ca_Desig_denovo	19648982	(G/C)
43069	CadSNP18664	<i>Desi</i>	Ca_Desig_denovo	19648991	(C/G)
43070	CadSNP18665	<i>Desi</i>	Ca_Desig_denovo	19650909	(A/G)
43071	CadSNP18666	<i>Desi</i>	Ca_Desig_denovo	19659140	(T/G)
43072	CadSNP18667	<i>Desi</i>	Ca_Desig_denovo	19665761	(C/T)
43073	CadSNP18668	<i>Desi</i>	Ca_Desig_denovo	19665773	(C/G)
43074	CadSNP18669	<i>Desi</i>	Ca_Desig_denovo	19667023	(A/G)
43075	CadSNP18670	<i>Desi</i>	Ca_Desig_denovo	19667640	(A/C)
43076	CadSNP18671	<i>Desi</i>	Ca_Desig_denovo	19668765	(A/C)
43077	CadSNP18672	<i>Desi</i>	Ca_Desig_denovo	19668846	(G/A)
43078	CadSNP18673	<i>Desi</i>	Ca_Desig_denovo	19669821	(C/T)
43079	CadSNP18674	<i>Desi</i>	Ca_Desig_denovo	19669839	(C/G)
43080	CadSNP18675	<i>Desi</i>	Ca_Desig_denovo	19673696	(A/G)
43081	CadSNP18676	<i>Desi</i>	Ca_Desig_denovo	19673699	(G/T)
43082	CadSNP18677	<i>Desi</i>	Ca_Desig_denovo	19674369	(C/T)
43083	CadSNP18678	<i>Desi</i>	Ca_Desig_denovo	19676752	(A/C)
43084	CadSNP18679	<i>Desi</i>	Ca_Desig_denovo	19676755	(T/A)
43085	CadSNP18680	<i>Desi</i>	Ca_Desig_denovo	19677250	(A/G)
43086	CadSNP18681	<i>Desi</i>	Ca_Desig_denovo	19677268	(C/T)
43087	CadSNP18682	<i>Desi</i>	Ca_Desig_denovo	19679517	(G/T)
43088	CadSNP18683	<i>Desi</i>	Ca_Desig_denovo	19688883	(G/C)
43089	CadSNP18684	<i>Desi</i>	Ca_Desig_denovo	19688895	(A/G)
43090	CadSNP18685	<i>Desi</i>	Ca_Desig_denovo	19690459	(T/C)
43091	CadSNP18686	<i>Desi</i>	Ca_Desig_denovo	19695379	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43092	CadSNP18687	<i>Desi</i>	Ca_Desig_denovo	19695421	(G/C)
43093	CadSNP18688	<i>Desi</i>	Ca_Desig_denovo	19696945	(G/C)
43094	CadSNP18689	<i>Desi</i>	Ca_Desig_denovo	19704741	(G/T)
43095	CadSNP18690	<i>Desi</i>	Ca_Desig_denovo	19704747	(C/T)
43096	CadSNP18691	<i>Desi</i>	Ca_Desig_denovo	19707073	(T/G)
43097	CadSNP18692	<i>Desi</i>	Ca_Desig_denovo	19708324	(G/C)
43098	CadSNP18693	<i>Desi</i>	Ca_Desig_denovo	19708327	(T/G)
43099	CadSNP18694	<i>Desi</i>	Ca_Desig_denovo	19720164	(A/C)
43100	CadSNP18695	<i>Desi</i>	Ca_Desig_denovo	19721239	(C/T)
43101	CadSNP18696	<i>Desi</i>	Ca_Desig_denovo	19721261	(C/A)
43102	CadSNP18697	<i>Desi</i>	Ca_Desig_denovo	19724567	(T/G)
43103	CadSNP18698	<i>Desi</i>	Ca_Desig_denovo	19724571	(A/C)
43104	CadSNP18699	<i>Desi</i>	Ca_Desig_denovo	19732783	(C/T)
43105	CadSNP18700	<i>Desi</i>	Ca_Desig_denovo	19734588	(T/G)
43106	CadSNP18701	<i>Desi</i>	Ca_Desig_denovo	19739073	(G/A)
43107	CadSNP18702	<i>Desi</i>	Ca_Desig_denovo	19739649	(G/A)
43108	CadSNP18703	<i>Desi</i>	Ca_Desig_denovo	19739702	(T/C)
43109	CadSNP18704	<i>Desi</i>	Ca_Desig_denovo	19745122	(A/G)
43110	CadSNP18705	<i>Desi</i>	Ca_Desig_denovo	19745188	(C/G)
43111	CadSNP18706	<i>Desi</i>	Ca_Desig_denovo	19747754	(T/C)
43112	CadSNP18707	<i>Desi</i>	Ca_Desig_denovo	19750082	(T/C)
43113	CadSNP18708	<i>Desi</i>	Ca_Desig_denovo	19752430	(A/G)
43114	CadSNP18709	<i>Desi</i>	Ca_Desig_denovo	19755629	(T/G)
43115	CadSNP18710	<i>Desi</i>	Ca_Desig_denovo	19760387	(G/C)
43116	CadSNP18711	<i>Desi</i>	Ca_Desig_denovo	19770529	(A/G)
43117	CadSNP18712	<i>Desi</i>	Ca_Desig_denovo	19770584	(A/G)
43118	CadSNP18713	<i>Desi</i>	Ca_Desig_denovo	19772128	(T/C)
43119	CadSNP18714	<i>Desi</i>	Ca_Desig_denovo	19779548	(C/A)
43120	CadSNP18715	<i>Desi</i>	Ca_Desig_denovo	19779608	(T/G)
43121	CadSNP18716	<i>Desi</i>	Ca_Desig_denovo	19784609	(T/C)
43122	CadSNP18717	<i>Desi</i>	Ca_Desig_denovo	19784627	(A/G)
43123	CadSNP18718	<i>Desi</i>	Ca_Desig_denovo	19785062	(G/A)
43124	CadSNP18719	<i>Desi</i>	Ca_Desig_denovo	19785071	(G/A)
43125	CadSNP18720	<i>Desi</i>	Ca_Desig_denovo	19793681	(T/C)
43126	CadSNP18721	<i>Desi</i>	Ca_Desig_denovo	19793708	(C/G)
43127	CadSNP18722	<i>Desi</i>	Ca_Desig_denovo	19795801	(A/G)
43128	CadSNP18723	<i>Desi</i>	Ca_Desig_denovo	19797711	(C/T)
43129	CadSNP18724	<i>Desi</i>	Ca_Desig_denovo	19805275	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43130	CadSNP18725	<i>Desi</i>	Ca_Desig_denovo	19811624	(G/T)
43131	CadSNP18726	<i>Desi</i>	Ca_Desig_denovo	19811627	(A/G)
43132	CadSNP18727	<i>Desi</i>	Ca_Desig_denovo	19812493	(C/T)
43133	CadSNP18728	<i>Desi</i>	Ca_Desig_denovo	19812655	(A/G)
43134	CadSNP18729	<i>Desi</i>	Ca_Desig_denovo	19812714	(G/A)
43135	CadSNP18730	<i>Desi</i>	Ca_Desig_denovo	19816832	(C/T)
43136	CadSNP18731	<i>Desi</i>	Ca_Desig_denovo	19816871	(T/G)
43137	CadSNP18732	<i>Desi</i>	Ca_Desig_denovo	19817995	(A/G)
43138	CadSNP18733	<i>Desi</i>	Ca_Desig_denovo	19819982	(C/T)
43139	CadSNP18734	<i>Desi</i>	Ca_Desig_denovo	19819999	(G/T)
43140	CadSNP18735	<i>Desi</i>	Ca_Desig_denovo	19820036	(A/G)
43141	CadSNP18736	<i>Desi</i>	Ca_Desig_denovo	19821034	(C/A)
43142	CadSNP18737	<i>Desi</i>	Ca_Desig_denovo	19827520	(T/C)
43143	CadSNP18738	<i>Desi</i>	Ca_Desig_denovo	19830841	(A/G)
43144	CadSNP18739	<i>Desi</i>	Ca_Desig_denovo	19830846	(G/A)
43145	CadSNP18740	<i>Desi</i>	Ca_Desig_denovo	19832856	(C/G)
43146	CadSNP18741	<i>Desi</i>	Ca_Desig_denovo	19833601	(T/A)
43147	CadSNP18742	<i>Desi</i>	Ca_Desig_denovo	19833608	(A/G)
43148	CadSNP18743	<i>Desi</i>	Ca_Desig_denovo	19837001	(G/A)
43149	CadSNP18744	<i>Desi</i>	Ca_Desig_denovo	19838409	(G/C)
43150	CadSNP18745	<i>Desi</i>	Ca_Desig_denovo	19838421	(T/C)
43151	CadSNP18746	<i>Desi</i>	Ca_Desig_denovo	19844440	(T/C)
43152	CadSNP18747	<i>Desi</i>	Ca_Desig_denovo	19848601	(A/G)
43153	CadSNP18748	<i>Desi</i>	Ca_Desig_denovo	19858982	(G/A)
43154	CadSNP18749	<i>Desi</i>	Ca_Desig_denovo	19860067	(C/T)
43155	CadSNP18750	<i>Desi</i>	Ca_Desig_denovo	19860137	(A/G)
43156	CadSNP18751	<i>Desi</i>	Ca_Desig_denovo	19865259	(A/G)
43157	CadSNP18752	<i>Desi</i>	Ca_Desig_denovo	19869107	(C/T)
43158	CadSNP18753	<i>Desi</i>	Ca_Desig_denovo	19869596	(A/G)
43159	CadSNP18754	<i>Desi</i>	Ca_Desig_denovo	19879840	(C/G)
43160	CadSNP18755	<i>Desi</i>	Ca_Desig_denovo	19887711	(C/T)
43161	CadSNP18756	<i>Desi</i>	Ca_Desig_denovo	19889628	(C/G)
43162	CadSNP18757	<i>Desi</i>	Ca_Desig_denovo	19892915	(G/A)
43163	CadSNP18758	<i>Desi</i>	Ca_Desig_denovo	19893834	(C/G)
43164	CadSNP18759	<i>Desi</i>	Ca_Desig_denovo	19901881	(A/C)
43165	CadSNP18760	<i>Desi</i>	Ca_Desig_denovo	19903323	(A/T)
43166	CadSNP18761	<i>Desi</i>	Ca_Desig_denovo	19903366	(G/C)
43167	CadSNP18762	<i>Desi</i>	Ca_Desig_denovo	19906018	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43168	CadSNP18763	<i>Desi</i>	Ca_Desig_denovo	19906021	(G/A)
43169	CadSNP18764	<i>Desi</i>	Ca_Desig_denovo	19906044	(G/C)
43170	CadSNP18765	<i>Desi</i>	Ca_Desig_denovo	19917012	(T/C)
43171	CadSNP18766	<i>Desi</i>	Ca_Desig_denovo	19917057	(G/A)
43172	CadSNP18767	<i>Desi</i>	Ca_Desig_denovo	19919221	(C/T)
43173	CadSNP18768	<i>Desi</i>	Ca_Desig_denovo	19920120	(C/G)
43174	CadSNP18769	<i>Desi</i>	Ca_Desig_denovo	19922293	(C/T)
43175	CadSNP18770	<i>Desi</i>	Ca_Desig_denovo	19938394	(A/C)
43176	CadSNP18771	<i>Desi</i>	Ca_Desig_denovo	19939984	(G/A)
43177	CadSNP18772	<i>Desi</i>	Ca_Desig_denovo	19941205	(T/C)
43178	CadSNP18773	<i>Desi</i>	Ca_Desig_denovo	19941958	(C/T)
43179	CadSNP18774	<i>Desi</i>	Ca_Desig_denovo	19943126	(T/C)
43180	CadSNP18775	<i>Desi</i>	Ca_Desig_denovo	19948982	(A/G)
43181	CadSNP18776	<i>Desi</i>	Ca_Desig_denovo	19948988	(C/T)
43182	CadSNP18777	<i>Desi</i>	Ca_Desig_denovo	19952382	(T/C)
43183	CadSNP18778	<i>Desi</i>	Ca_Desig_denovo	19952394	(G/T)
43184	CadSNP18779	<i>Desi</i>	Ca_Desig_denovo	19954753	(C/T)
43185	CadSNP18780	<i>Desi</i>	Ca_Desig_denovo	19960820	(G/A)
43186	CadSNP18781	<i>Desi</i>	Ca_Desig_denovo	19965113	(G/A)
43187	CadSNP18782	<i>Desi</i>	Ca_Desig_denovo	19967017	(T/C)
43188	CadSNP18783	<i>Desi</i>	Ca_Desig_denovo	19969077	(C/G)
43189	CadSNP18784	<i>Desi</i>	Ca_Desig_denovo	19972504	(T/A)
43190	CadSNP18785	<i>Desi</i>	Ca_Desig_denovo	19972567	(T/G)
43191	CadSNP18786	<i>Desi</i>	Ca_Desig_denovo	19974268	(A/C)
43192	CadSNP18787	<i>Desi</i>	Ca_Desig_denovo	19974592	(A/G)
43193	CadSNP18788	<i>Desi</i>	Ca_Desig_denovo	19974598	(C/A)
43194	CadSNP18789	<i>Desi</i>	Ca_Desig_denovo	19977743	(G/C)
43195	CadSNP18790	<i>Desi</i>	Ca_Desig_denovo	19994427	(A/G)
43196	CadSNP18791	<i>Desi</i>	Ca_Desig_denovo	19994437	(T/C)
43197	CadSNP18792	<i>Desi</i>	Ca_Desig_denovo	19996154	(C/A)
43198	CadSNP18793	<i>Desi</i>	Ca_Desig_denovo	19996163	(C/T)
43199	CadSNP18794	<i>Desi</i>	Ca_Desig_denovo	19999411	(A/G)
43200	CadSNP18795	<i>Desi</i>	Ca_Desig_denovo	20000686	(C/T)
43201	CadSNP18796	<i>Desi</i>	Ca_Desig_denovo	20000701	(C/T)
43202	CadSNP18797	<i>Desi</i>	Ca_Desig_denovo	20014733	(A/T)
43203	CadSNP18798	<i>Desi</i>	Ca_Desig_denovo	20014757	(T/C)
43204	CadSNP18799	<i>Desi</i>	Ca_Desig_denovo	20017516	(C/T)
43205	CadSNP18800	<i>Desi</i>	Ca_Desig_denovo	20017736	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43206	CadSNP18801	<i>Desi</i>	Ca_Desig_denovo	20027907	(T/G)
43207	CadSNP18802	<i>Desi</i>	Ca_Desig_denovo	20028135	(C/T)
43208	CadSNP18803	<i>Desi</i>	Ca_Desig_denovo	20028191	(C/T)
43209	CadSNP18804	<i>Desi</i>	Ca_Desig_denovo	20030088	(T/C)
43210	CadSNP18805	<i>Desi</i>	Ca_Desig_denovo	20031284	(A/C)
43211	CadSNP18806	<i>Desi</i>	Ca_Desig_denovo	20032831	(C/G)
43212	CadSNP18807	<i>Desi</i>	Ca_Desig_denovo	20033759	(G/A)
43213	CadSNP18808	<i>Desi</i>	Ca_Desig_denovo	20037363	(C/A)
43214	CadSNP18809	<i>Desi</i>	Ca_Desig_denovo	20037375	(G/A)
43215	CadSNP18810	<i>Desi</i>	Ca_Desig_denovo	20046958	(G/C)
43216	CadSNP18811	<i>Desi</i>	Ca_Desig_denovo	20046976	(A/G)
43217	CadSNP18812	<i>Desi</i>	Ca_Desig_denovo	20056511	(C/G)
43218	CadSNP18813	<i>Desi</i>	Ca_Desig_denovo	20056550	(A/G)
43219	CadSNP18814	<i>Desi</i>	Ca_Desig_denovo	20065714	(A/C)
43220	CadSNP18815	<i>Desi</i>	Ca_Desig_denovo	20066608	(T/G)
43221	CadSNP18816	<i>Desi</i>	Ca_Desig_denovo	20069366	(G/T)
43222	CadSNP18817	<i>Desi</i>	Ca_Desig_denovo	20069393	(C/T)
43223	CadSNP18818	<i>Desi</i>	Ca_Desig_denovo	20071749	(G/A)
43224	CadSNP18819	<i>Desi</i>	Ca_Desig_denovo	20071757	(C/G)
43225	CadSNP18820	<i>Desi</i>	Ca_Desig_denovo	20073176	(C/T)
43226	CadSNP18821	<i>Desi</i>	Ca_Desig_denovo	20075708	(C/G)
43227	CadSNP18822	<i>Desi</i>	Ca_Desig_denovo	20079018	(A/C)
43228	CadSNP18823	<i>Desi</i>	Ca_Desig_denovo	20079024	(A/G)
43229	CadSNP18824	<i>Desi</i>	Ca_Desig_denovo	20082067	(G/C)
43230	CadSNP18825	<i>Desi</i>	Ca_Desig_denovo	20082091	(G/A)
43231	CadSNP18826	<i>Desi</i>	Ca_Desig_denovo	20084009	(C/T)
43232	CadSNP18827	<i>Desi</i>	Ca_Desig_denovo	20084019	(A/G)
43233	CadSNP18828	<i>Desi</i>	Ca_Desig_denovo	20085590	(T/C)
43234	CadSNP18829	<i>Desi</i>	Ca_Desig_denovo	20085617	(T/C)
43235	CadSNP18830	<i>Desi</i>	Ca_Desig_denovo	20089072	(T/C)
43236	CadSNP18831	<i>Desi</i>	Ca_Desig_denovo	20089142	(A/G)
43237	CadSNP18832	<i>Desi</i>	Ca_Desig_denovo	20089154	(G/C)
43238	CadSNP18833	<i>Desi</i>	Ca_Desig_denovo	20092472	(A/G)
43239	CadSNP18834	<i>Desi</i>	Ca_Desig_denovo	20092534	(C/T)
43240	CadSNP18835	<i>Desi</i>	Ca_Desig_denovo	20093774	(A/C)
43241	CadSNP18836	<i>Desi</i>	Ca_Desig_denovo	20098548	(G/A)
43242	CadSNP18837	<i>Desi</i>	Ca_Desig_denovo	20098578	(A/G)
43243	CadSNP18838	<i>Desi</i>	Ca_Desig_denovo	20099553	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43244	CadSNP18839	<i>Desi</i>	Ca_Desig_denovo	20099586	(C/T)
43245	CadSNP18840	<i>Desi</i>	Ca_Desig_denovo	20099744	(T/C)
43246	CadSNP18841	<i>Desi</i>	Ca_Desig_denovo	20104972	(A/G)
43247	CadSNP18842	<i>Desi</i>	Ca_Desig_denovo	20107882	(C/T)
43248	CadSNP18843	<i>Desi</i>	Ca_Desig_denovo	20122395	(G/A)
43249	CadSNP18844	<i>Desi</i>	Ca_Desig_denovo	20126056	(C/G)
43250	CadSNP18845	<i>Desi</i>	Ca_Desig_denovo	20126068	(G/T)
43251	CadSNP18846	<i>Desi</i>	Ca_Desig_denovo	20127870	(A/G)
43252	CadSNP18847	<i>Desi</i>	Ca_Desig_denovo	20128282	(T/G)
43253	CadSNP18848	<i>Desi</i>	Ca_Desig_denovo	20128317	(A/G)
43254	CadSNP18849	<i>Desi</i>	Ca_Desig_denovo	20133581	(C/T)
43255	CadSNP18850	<i>Desi</i>	Ca_Desig_denovo	20141020	(T/C)
43256	CadSNP18851	<i>Desi</i>	Ca_Desig_denovo	20141024	(G/C)
43257	CadSNP18852	<i>Desi</i>	Ca_Desig_denovo	20141045	(G/A)
43258	CadSNP18853	<i>Desi</i>	Ca_Desig_denovo	20144368	(C/T)
43259	CadSNP18854	<i>Desi</i>	Ca_Desig_denovo	20144388	(G/C)
43260	CadSNP18855	<i>Desi</i>	Ca_Desig_denovo	20146799	(C/T)
43261	CadSNP18856	<i>Desi</i>	Ca_Desig_denovo	20147254	(C/G)
43262	CadSNP18857	<i>Desi</i>	Ca_Desig_denovo	20147260	(G/T)
43263	CadSNP18858	<i>Desi</i>	Ca_Desig_denovo	20149413	(G/C)
43264	CadSNP18859	<i>Desi</i>	Ca_Desig_denovo	20150813	(G/A)
43265	CadSNP18860	<i>Desi</i>	Ca_Desig_denovo	20150818	(C/T)
43266	CadSNP18861	<i>Desi</i>	Ca_Desig_denovo	20152462	(G/A)
43267	CadSNP18862	<i>Desi</i>	Ca_Desig_denovo	20157353	(C/T)
43268	CadSNP18863	<i>Desi</i>	Ca_Desig_denovo	20158531	(T/C)
43269	CadSNP18864	<i>Desi</i>	Ca_Desig_denovo	20158552	(A/G)
43270	CadSNP18865	<i>Desi</i>	Ca_Desig_denovo	20161764	(G/A)
43271	CadSNP18866	<i>Desi</i>	Ca_Desig_denovo	20161784	(A/G)
43272	CadSNP18867	<i>Desi</i>	Ca_Desig_denovo	20166883	(C/G)
43273	CadSNP18868	<i>Desi</i>	Ca_Desig_denovo	20166907	(T/C)
43274	CadSNP18869	<i>Desi</i>	Ca_Desig_denovo	20168698	(A/G)
43275	CadSNP18870	<i>Desi</i>	Ca_Desig_denovo	20168721	(G/A)
43276	CadSNP18871	<i>Desi</i>	Ca_Desig_denovo	20170862	(A/C)
43277	CadSNP18872	<i>Desi</i>	Ca_Desig_denovo	20170864	(A/C)
43278	CadSNP18873	<i>Desi</i>	Ca_Desig_denovo	20176611	(T/C)
43279	CadSNP18874	<i>Desi</i>	Ca_Desig_denovo	20177942	(G/A)
43280	CadSNP18875	<i>Desi</i>	Ca_Desig_denovo	20178011	(A/T)
43281	CadSNP18876	<i>Desi</i>	Ca_Desig_denovo	20178675	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43282	CadSNP18877	<i>Desi</i>	Ca_Desig_denovo	20178928	(G/C)
43283	CadSNP18878	<i>Desi</i>	Ca_Desig_denovo	20178937	(G/C)
43284	CadSNP18879	<i>Desi</i>	Ca_Desig_denovo	20180216	(C/T)
43285	CadSNP18880	<i>Desi</i>	Ca_Desig_denovo	20185884	(C/T)
43286	CadSNP18881	<i>Desi</i>	Ca_Desig_denovo	20188456	(G/A)
43287	CadSNP18882	<i>Desi</i>	Ca_Desig_denovo	20191813	(G/A)
43288	CadSNP18883	<i>Desi</i>	Ca_Desig_denovo	20193958	(C/T)
43289	CadSNP18884	<i>Desi</i>	Ca_Desig_denovo	20193962	(C/G)
43290	CadSNP18885	<i>Desi</i>	Ca_Desig_denovo	20195561	(G/C)
43291	CadSNP18886	<i>Desi</i>	Ca_Desig_denovo	20204875	(C/T)
43292	CadSNP18887	<i>Desi</i>	Ca_Desig_denovo	20204892	(C/T)
43293	CadSNP18888	<i>Desi</i>	Ca_Desig_denovo	20205935	(T/G)
43294	CadSNP18889	<i>Desi</i>	Ca_Desig_denovo	20209101	(T/C)
43295	CadSNP18890	<i>Desi</i>	Ca_Desig_denovo	20220907	(C/T)
43296	CadSNP18891	<i>Desi</i>	Ca_Desig_denovo	20220934	(T/C)
43297	CadSNP18892	<i>Desi</i>	Ca_Desig_denovo	20221423	(G/T)
43298	CadSNP18893	<i>Desi</i>	Ca_Desig_denovo	20230035	(T/C)
43299	CadSNP18894	<i>Desi</i>	Ca_Desig_denovo	20230039	(A/G)
43300	CadSNP18895	<i>Desi</i>	Ca_Desig_denovo	20237477	(G/A)
43301	CadSNP18896	<i>Desi</i>	Ca_Desig_denovo	20237523	(C/A)
43302	CadSNP18897	<i>Desi</i>	Ca_Desig_denovo	20244713	(A/G)
43303	CadSNP18898	<i>Desi</i>	Ca_Desig_denovo	20244737	(A/G)
43304	CadSNP18899	<i>Desi</i>	Ca_Desig_denovo	20244740	(G/A)
43305	CadSNP18900	<i>Desi</i>	Ca_Desig_denovo	20245379	(A/T)
43306	CadSNP18901	<i>Desi</i>	Ca_Desig_denovo	20245387	(T/C)
43307	CadSNP18902	<i>Desi</i>	Ca_Desig_denovo	20245585	(A/G)
43308	CadSNP18903	<i>Desi</i>	Ca_Desig_denovo	20245630	(A/G)
43309	CadSNP18904	<i>Desi</i>	Ca_Desig_denovo	20254129	(A/G)
43310	CadSNP18905	<i>Desi</i>	Ca_Desig_denovo	20254135	(A/C)
43311	CadSNP18906	<i>Desi</i>	Ca_Desig_denovo	20255954	(T/G)
43312	CadSNP18907	<i>Desi</i>	Ca_Desig_denovo	20261481	(C/A)
43313	CadSNP18908	<i>Desi</i>	Ca_Desig_denovo	20261485	(G/A)
43314	CadSNP18909	<i>Desi</i>	Ca_Desig_denovo	20263282	(A/G)
43315	CadSNP18910	<i>Desi</i>	Ca_Desig_denovo	20265291	(A/G)
43316	CadSNP18911	<i>Desi</i>	Ca_Desig_denovo	20270676	(C/A)
43317	CadSNP18912	<i>Desi</i>	Ca_Desig_denovo	20270680	(A/C)
43318	CadSNP18913	<i>Desi</i>	Ca_Desig_denovo	20271500	(T/G)
43319	CadSNP18914	<i>Desi</i>	Ca_Desig_denovo	20271578	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43320	CadSNP18915	<i>Desi</i>	Ca_Desig_denovo	20279840	(C/T)
43321	CadSNP18916	<i>Desi</i>	Ca_Desig_denovo	20279842	(G/A)
43322	CadSNP18917	<i>Desi</i>	Ca_Desig_denovo	20286413	(G/A)
43323	CadSNP18918	<i>Desi</i>	Ca_Desig_denovo	20287243	(C/T)
43324	CadSNP18919	<i>Desi</i>	Ca_Desig_denovo	20287966	(C/T)
43325	CadSNP18920	<i>Desi</i>	Ca_Desig_denovo	20287969	(A/G)
43326	CadSNP18921	<i>Desi</i>	Ca_Desig_denovo	20287984	(T/C)
43327	CadSNP18922	<i>Desi</i>	Ca_Desig_denovo	20288343	(T/G)
43328	CadSNP18923	<i>Desi</i>	Ca_Desig_denovo	20290943	(T/G)
43329	CadSNP18924	<i>Desi</i>	Ca_Desig_denovo	20299625	(G/T)
43330	CadSNP18925	<i>Desi</i>	Ca_Desig_denovo	20303727	(C/T)
43331	CadSNP18926	<i>Desi</i>	Ca_Desig_denovo	20307488	(C/A)
43332	CadSNP18927	<i>Desi</i>	Ca_Desig_denovo	20307512	(G/A)
43333	CadSNP18928	<i>Desi</i>	Ca_Desig_denovo	20312736	(A/G)
43334	CadSNP18929	<i>Desi</i>	Ca_Desig_denovo	20315803	(T/C)
43335	CadSNP18930	<i>Desi</i>	Ca_Desig_denovo	20317919	(C/G)
43336	CadSNP18931	<i>Desi</i>	Ca_Desig_denovo	20317931	(A/G)
43337	CadSNP18932	<i>Desi</i>	Ca_Desig_denovo	20329073	(T/G)
43338	CadSNP18933	<i>Desi</i>	Ca_Desig_denovo	20329900	(G/A)
43339	CadSNP18934	<i>Desi</i>	Ca_Desig_denovo	20332766	(A/T)
43340	CadSNP18935	<i>Desi</i>	Ca_Desig_denovo	20336442	(T/C)
43341	CadSNP18936	<i>Desi</i>	Ca_Desig_denovo	20336487	(G/C)
43342	CadSNP18937	<i>Desi</i>	Ca_Desig_denovo	20340233	(T/C)
43343	CadSNP18938	<i>Desi</i>	Ca_Desig_denovo	20340266	(C/T)
43344	CadSNP18939	<i>Desi</i>	Ca_Desig_denovo	20341099	(C/T)
43345	CadSNP18940	<i>Desi</i>	Ca_Desig_denovo	20344304	(T/G)
43346	CadSNP18941	<i>Desi</i>	Ca_Desig_denovo	20351016	(G/A)
43347	CadSNP18942	<i>Desi</i>	Ca_Desig_denovo	20352256	(C/T)
43348	CadSNP18943	<i>Desi</i>	Ca_Desig_denovo	20356043	(A/T)
43349	CadSNP18944	<i>Desi</i>	Ca_Desig_denovo	20362434	(T/C)
43350	CadSNP18945	<i>Desi</i>	Ca_Desig_denovo	20366733	(C/G)
43351	CadSNP18946	<i>Desi</i>	Ca_Desig_denovo	20366763	(T/C)
43352	CadSNP18947	<i>Desi</i>	Ca_Desig_denovo	20401628	(C/A)
43353	CadSNP18948	<i>Desi</i>	Ca_Desig_denovo	20401643	(A/G)
43354	CadSNP18949	<i>Desi</i>	Ca_Desig_denovo	20405795	(A/G)
43355	CadSNP18950	<i>Desi</i>	Ca_Desig_denovo	20405798	(G/C)
43356	CadSNP18951	<i>Desi</i>	Ca_Desig_denovo	20410006	(C/T)
43357	CadSNP18952	<i>Desi</i>	Ca_Desig_denovo	20410486	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43358	CadSNP18953	<i>Desi</i>	Ca_Desig_denovo	20410756	(G/C)
43359	CadSNP18954	<i>Desi</i>	Ca_Desig_denovo	20410771	(C/A)
43360	CadSNP18955	<i>Desi</i>	Ca_Desig_denovo	20411765	(G/A)
43361	CadSNP18956	<i>Desi</i>	Ca_Desig_denovo	20411797	(C/G)
43362	CadSNP18957	<i>Desi</i>	Ca_Desig_denovo	20417804	(A/G)
43363	CadSNP18958	<i>Desi</i>	Ca_Desig_denovo	20421439	(T/C)
43364	CadSNP18959	<i>Desi</i>	Ca_Desig_denovo	20430534	(C/T)
43365	CadSNP18960	<i>Desi</i>	Ca_Desig_denovo	20430553	(T/C)
43366	CadSNP18961	<i>Desi</i>	Ca_Desig_denovo	20432308	(T/C)
43367	CadSNP18962	<i>Desi</i>	Ca_Desig_denovo	20432338	(T/C)
43368	CadSNP18963	<i>Desi</i>	Ca_Desig_denovo	20440133	(C/T)
43369	CadSNP18964	<i>Desi</i>	Ca_Desig_denovo	20440153	(T/G)
43370	CadSNP18965	<i>Desi</i>	Ca_Desig_denovo	20441979	(T/C)
43371	CadSNP18966	<i>Desi</i>	Ca_Desig_denovo	20442031	(G/T)
43372	CadSNP18967	<i>Desi</i>	Ca_Desig_denovo	20445503	(C/A)
43373	CadSNP18968	<i>Desi</i>	Ca_Desig_denovo	20445530	(G/C)
43374	CadSNP18969	<i>Desi</i>	Ca_Desig_denovo	20448223	(T/C)
43375	CadSNP18970	<i>Desi</i>	Ca_Desig_denovo	20448282	(G/C)
43376	CadSNP18971	<i>Desi</i>	Ca_Desig_denovo	20453386	(T/C)
43377	CadSNP18972	<i>Desi</i>	Ca_Desig_denovo	20458082	(G/A)
43378	CadSNP18973	<i>Desi</i>	Ca_Desig_denovo	20458121	(A/G)
43379	CadSNP18974	<i>Desi</i>	Ca_Desig_denovo	20459370	(G/A)
43380	CadSNP18975	<i>Desi</i>	Ca_Desig_denovo	20463389	(C/G)
43381	CadSNP18976	<i>Desi</i>	Ca_Desig_denovo	20466276	(C/A)
43382	CadSNP18977	<i>Desi</i>	Ca_Desig_denovo	20466297	(A/G)
43383	CadSNP18978	<i>Desi</i>	Ca_Desig_denovo	20466989	(T/C)
43384	CadSNP18979	<i>Desi</i>	Ca_Desig_denovo	20467018	(G/C)
43385	CadSNP18980	<i>Desi</i>	Ca_Desig_denovo	20469131	(A/G)
43386	CadSNP18981	<i>Desi</i>	Ca_Desig_denovo	20476484	(G/A)
43387	CadSNP18982	<i>Desi</i>	Ca_Desig_denovo	20476516	(T/C)
43388	CadSNP18983	<i>Desi</i>	Ca_Desig_denovo	20477161	(G/T)
43389	CadSNP18984	<i>Desi</i>	Ca_Desig_denovo	20477200	(G/T)
43390	CadSNP18985	<i>Desi</i>	Ca_Desig_denovo	20488599	(C/T)
43391	CadSNP18986	<i>Desi</i>	Ca_Desig_denovo	20488617	(T/G)
43392	CadSNP18987	<i>Desi</i>	Ca_Desig_denovo	20489446	(G/A)
43393	CadSNP18988	<i>Desi</i>	Ca_Desig_denovo	20494417	(C/T)
43394	CadSNP18989	<i>Desi</i>	Ca_Desig_denovo	20494423	(C/T)
43395	CadSNP18990	<i>Desi</i>	Ca_Desig_denovo	20517339	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43396	CadSNP18991	<i>Desi</i>	Ca_Desig_denovo	20517380	(A/C)
43397	CadSNP18992	<i>Desi</i>	Ca_Desig_denovo	20517382	(A/G)
43398	CadSNP18993	<i>Desi</i>	Ca_Desig_denovo	20526299	(T/C)
43399	CadSNP18994	<i>Desi</i>	Ca_Desig_denovo	20528859	(G/C)
43400	CadSNP18995	<i>Desi</i>	Ca_Desig_denovo	20528910	(C/T)
43401	CadSNP18996	<i>Desi</i>	Ca_Desig_denovo	20531099	(C/A)
43402	CadSNP18997	<i>Desi</i>	Ca_Desig_denovo	20531144	(C/T)
43403	CadSNP18998	<i>Desi</i>	Ca_Desig_denovo	20532026	(G/A)
43404	CadSNP18999	<i>Desi</i>	Ca_Desig_denovo	20539990	(T/C)
43405	CadSNP19000	<i>Desi</i>	Ca_Desig_denovo	20547533	(C/A)
43406	CadSNP19001	<i>Desi</i>	Ca_Desig_denovo	20547537	(G/C)
43407	CadSNP19002	<i>Desi</i>	Ca_Desig_denovo	20547706	(T/C)
43408	CadSNP19003	<i>Desi</i>	Ca_Desig_denovo	20547725	(A/G)
43409	CadSNP19004	<i>Desi</i>	Ca_Desig_denovo	20553103	(G/A)
43410	CadSNP19005	<i>Desi</i>	Ca_Desig_denovo	20559975	(A/C)
43411	CadSNP19006	<i>Desi</i>	Ca_Desig_denovo	20565279	(A/T)
43412	CadSNP19007	<i>Desi</i>	Ca_Desig_denovo	20565282	(A/C)
43413	CadSNP19008	<i>Desi</i>	Ca_Desig_denovo	20574713	(T/G)
43414	CadSNP19009	<i>Desi</i>	Ca_Desig_denovo	20574716	(G/A)
43415	CadSNP19010	<i>Desi</i>	Ca_Desig_denovo	20577986	(A/G)
43416	CadSNP19011	<i>Desi</i>	Ca_Desig_denovo	20578013	(C/T)
43417	CadSNP19012	<i>Desi</i>	Ca_Desig_denovo	20581768	(G/T)
43418	CadSNP19013	<i>Desi</i>	Ca_Desig_denovo	20587066	(C/A)
43419	CadSNP19014	<i>Desi</i>	Ca_Desig_denovo	20589772	(C/A)
43420	CadSNP19015	<i>Desi</i>	Ca_Desig_denovo	20589778	(T/G)
43421	CadSNP19016	<i>Desi</i>	Ca_Desig_denovo	20592300	(G/C)
43422	CadSNP19017	<i>Desi</i>	Ca_Desig_denovo	20593378	(T/C)
43423	CadSNP19018	<i>Desi</i>	Ca_Desig_denovo	20593408	(A/C)
43424	CadSNP19019	<i>Desi</i>	Ca_Desig_denovo	20594272	(T/C)
43425	CadSNP19020	<i>Desi</i>	Ca_Desig_denovo	20597043	(T/C)
43426	CadSNP19021	<i>Desi</i>	Ca_Desig_denovo	20604905	(A/G)
43427	CadSNP19022	<i>Desi</i>	Ca_Desig_denovo	20604926	(A/C)
43428	CadSNP19023	<i>Desi</i>	Ca_Desig_denovo	20605969	(T/C)
43429	CadSNP19024	<i>Desi</i>	Ca_Desig_denovo	20608659	(T/A)
43430	CadSNP19025	<i>Desi</i>	Ca_Desig_denovo	20613511	(C/T)
43431	CadSNP19026	<i>Desi</i>	Ca_Desig_denovo	20619160	(G/A)
43432	CadSNP19027	<i>Desi</i>	Ca_Desig_denovo	20619171	(C/T)
43433	CadSNP19028	<i>Desi</i>	Ca_Desig_denovo	20628244	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43434	CadSNP19029	<i>Desi</i>	Ca_Desig_denovo	20632574	(A/C)
43435	CadSNP19030	<i>Desi</i>	Ca_Desig_denovo	20636606	(T/G)
43436	CadSNP19031	<i>Desi</i>	Ca_Desig_denovo	20638371	(A/C)
43437	CadSNP19032	<i>Desi</i>	Ca_Desig_denovo	20638373	(A/C)
43438	CadSNP19033	<i>Desi</i>	Ca_Desig_denovo	20644093	(G/A)
43439	CadSNP19034	<i>Desi</i>	Ca_Desig_denovo	20647798	(G/C)
43440	CadSNP19035	<i>Desi</i>	Ca_Desig_denovo	20650609	(A/G)
43441	CadSNP19036	<i>Desi</i>	Ca_Desig_denovo	20656734	(G/A)
43442	CadSNP19037	<i>Desi</i>	Ca_Desig_denovo	20656784	(T/G)
43443	CadSNP19038	<i>Desi</i>	Ca_Desig_denovo	20662759	(A/G)
43444	CadSNP19039	<i>Desi</i>	Ca_Desig_denovo	20662762	(T/C)
43445	CadSNP19040	<i>Desi</i>	Ca_Desig_denovo	20662763	(A/G)
43446	CadSNP19041	<i>Desi</i>	Ca_Desig_denovo	20669471	(G/A)
43447	CadSNP19042	<i>Desi</i>	Ca_Desig_denovo	20670842	(C/G)
43448	CadSNP19043	<i>Desi</i>	Ca_Desig_denovo	20670864	(G/T)
43449	CadSNP19044	<i>Desi</i>	Ca_Desig_denovo	20672527	(G/C)
43450	CadSNP19045	<i>Desi</i>	Ca_Desig_denovo	20673961	(C/G)
43451	CadSNP19046	<i>Desi</i>	Ca_Desig_denovo	20674647	(A/T)
43452	CadSNP19047	<i>Desi</i>	Ca_Desig_denovo	20679041	(C/A)
43453	CadSNP19048	<i>Desi</i>	Ca_Desig_denovo	20679067	(C/T)
43454	CadSNP19049	<i>Desi</i>	Ca_Desig_denovo	20679795	(C/T)
43455	CadSNP19050	<i>Desi</i>	Ca_Desig_denovo	20679797	(C/G)
43456	CadSNP19051	<i>Desi</i>	Ca_Desig_denovo	20680695	(G/A)
43457	CadSNP19052	<i>Desi</i>	Ca_Desig_denovo	20680710	(A/G)
43458	CadSNP19053	<i>Desi</i>	Ca_Desig_denovo	20684366	(C/G)
43459	CadSNP19054	<i>Desi</i>	Ca_Desig_denovo	20684390	(T/G)
43460	CadSNP19055	<i>Desi</i>	Ca_Desig_denovo	20686578	(C/T)
43461	CadSNP19056	<i>Desi</i>	Ca_Desig_denovo	20691259	(C/G)
43462	CadSNP19057	<i>Desi</i>	Ca_Desig_denovo	20696510	(G/T)
43463	CadSNP19058	<i>Desi</i>	Ca_Desig_denovo	20696555	(C/G)
43464	CadSNP19059	<i>Desi</i>	Ca_Desig_denovo	20697440	(C/G)
43465	CadSNP19060	<i>Desi</i>	Ca_Desig_denovo	20698747	(C/T)
43466	CadSNP19061	<i>Desi</i>	Ca_Desig_denovo	20699481	(A/G)
43467	CadSNP19062	<i>Desi</i>	Ca_Desig_denovo	20699492	(C/G)
43468	CadSNP19063	<i>Desi</i>	Ca_Desig_denovo	20700062	(T/C)
43469	CadSNP19064	<i>Desi</i>	Ca_Desig_denovo	20700092	(A/G)
43470	CadSNP19065	<i>Desi</i>	Ca_Desig_denovo	20700110	(G/A)
43471	CadSNP19066	<i>Desi</i>	Ca_Desig_denovo	20701140	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43472	CadSNP19067	<i>Desi</i>	Ca_Desig_denovo	20701143	(G/A)
43473	CadSNP19068	<i>Desi</i>	Ca_Desig_denovo	20709188	(C/G)
43474	CadSNP19069	<i>Desi</i>	Ca_Desig_denovo	20709229	(T/C)
43475	CadSNP19070	<i>Desi</i>	Ca_Desig_denovo	20710211	(G/C)
43476	CadSNP19071	<i>Desi</i>	Ca_Desig_denovo	20711787	(T/C)
43477	CadSNP19072	<i>Desi</i>	Ca_Desig_denovo	20711795	(G/C)
43478	CadSNP19073	<i>Desi</i>	Ca_Desig_denovo	20711964	(T/C)
43479	CadSNP19074	<i>Desi</i>	Ca_Desig_denovo	20712019	(A/G)
43480	CadSNP19075	<i>Desi</i>	Ca_Desig_denovo	20712953	(G/T)
43481	CadSNP19076	<i>Desi</i>	Ca_Desig_denovo	20723016	(A/C)
43482	CadSNP19077	<i>Desi</i>	Ca_Desig_denovo	20723043	(T/C)
43483	CadSNP19078	<i>Desi</i>	Ca_Desig_denovo	20725349	(A/G)
43484	CadSNP19079	<i>Desi</i>	Ca_Desig_denovo	20725421	(T/C)
43485	CadSNP19080	<i>Desi</i>	Ca_Desig_denovo	20726659	(C/T)
43486	CadSNP19081	<i>Desi</i>	Ca_Desig_denovo	20726704	(C/T)
43487	CadSNP19082	<i>Desi</i>	Ca_Desig_denovo	20732627	(G/A)
43488	CadSNP19083	<i>Desi</i>	Ca_Desig_denovo	20732635	(C/T)
43489	CadSNP19084	<i>Desi</i>	Ca_Desig_denovo	20739880	(T/C)
43490	CadSNP19085	<i>Desi</i>	Ca_Desig_denovo	20750308	(C/T)
43491	CadSNP19086	<i>Desi</i>	Ca_Desig_denovo	20761524	(A/G)
43492	CadSNP19087	<i>Desi</i>	Ca_Desig_denovo	20765727	(G/C)
43493	CadSNP19088	<i>Desi</i>	Ca_Desig_denovo	20765779	(T/C)
43494	CadSNP19089	<i>Desi</i>	Ca_Desig_denovo	20766577	(G/C)
43495	CadSNP19090	<i>Desi</i>	Ca_Desig_denovo	20766607	(C/T)
43496	CadSNP19091	<i>Desi</i>	Ca_Desig_denovo	20774460	(A/G)
43497	CadSNP19092	<i>Desi</i>	Ca_Desig_denovo	20775954	(A/C)
43498	CadSNP19093	<i>Desi</i>	Ca_Desig_denovo	20775995	(A/G)
43499	CadSNP19094	<i>Desi</i>	Ca_Desig_denovo	20778728	(A/G)
43500	CadSNP19095	<i>Desi</i>	Ca_Desig_denovo	20786727	(T/G)
43501	CadSNP19096	<i>Desi</i>	Ca_Desig_denovo	20786787	(G/A)
43502	CadSNP19097	<i>Desi</i>	Ca_Desig_denovo	20790726	(A/C)
43503	CadSNP19098	<i>Desi</i>	Ca_Desig_denovo	20800682	(T/C)
43504	CadSNP19099	<i>Desi</i>	Ca_Desig_denovo	20805364	(G/C)
43505	CadSNP19100	<i>Desi</i>	Ca_Desig_denovo	20805373	(T/G)
43506	CadSNP19101	<i>Desi</i>	Ca_Desig_denovo	20810635	(T/C)
43507	CadSNP19102	<i>Desi</i>	Ca_Desig_denovo	20810637	(C/T)
43508	CadSNP19103	<i>Desi</i>	Ca_Desig_denovo	20811560	(C/G)
43509	CadSNP19104	<i>Desi</i>	Ca_Desig_denovo	20811602	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43510	CadSNP19105	<i>Desi</i>	Ca_Desig_denovo	20811850	(C/G)
43511	CadSNP19106	<i>Desi</i>	Ca_Desig_denovo	20821966	(C/T)
43512	CadSNP19107	<i>Desi</i>	Ca_Desig_denovo	20823930	(C/T)
43513	CadSNP19108	<i>Desi</i>	Ca_Desig_denovo	20825026	(A/C)
43514	CadSNP19109	<i>Desi</i>	Ca_Desig_denovo	20829994	(G/T)
43515	CadSNP19110	<i>Desi</i>	Ca_Desig_denovo	20830022	(A/G)
43516	CadSNP19111	<i>Desi</i>	Ca_Desig_denovo	20833227	(T/C)
43517	CadSNP19112	<i>Desi</i>	Ca_Desig_denovo	20834722	(A/G)
43518	CadSNP19113	<i>Desi</i>	Ca_Desig_denovo	20836305	(C/G)
43519	CadSNP19114	<i>Desi</i>	Ca_Desig_denovo	20836308	(C/T)
43520	CadSNP19115	<i>Desi</i>	Ca_Desig_denovo	20839543	(T/C)
43521	CadSNP19116	<i>Desi</i>	Ca_Desig_denovo	20839549	(T/G)
43522	CadSNP19117	<i>Desi</i>	Ca_Desig_denovo	20840680	(G/A)
43523	CadSNP19118	<i>Desi</i>	Ca_Desig_denovo	20840738	(C/T)
43524	CadSNP19119	<i>Desi</i>	Ca_Desig_denovo	20841502	(C/G)
43525	CadSNP19120	<i>Desi</i>	Ca_Desig_denovo	20849426	(C/A)
43526	CadSNP19121	<i>Desi</i>	Ca_Desig_denovo	20851154	(G/A)
43527	CadSNP19122	<i>Desi</i>	Ca_Desig_denovo	20851169	(T/C)
43528	CadSNP19123	<i>Desi</i>	Ca_Desig_denovo	20856639	(T/C)
43529	CadSNP19124	<i>Desi</i>	Ca_Desig_denovo	20860973	(A/G)
43530	CadSNP19125	<i>Desi</i>	Ca_Desig_denovo	20862649	(T/C)
43531	CadSNP19126	<i>Desi</i>	Ca_Desig_denovo	20865373	(G/A)
43532	CadSNP19127	<i>Desi</i>	Ca_Desig_denovo	20865387	(G/A)
43533	CadSNP19128	<i>Desi</i>	Ca_Desig_denovo	20866131	(T/C)
43534	CadSNP19129	<i>Desi</i>	Ca_Desig_denovo	20866985	(G/A)
43535	CadSNP19130	<i>Desi</i>	Ca_Desig_denovo	20867011	(T/C)
43536	CadSNP19131	<i>Desi</i>	Ca_Desig_denovo	20869979	(A/G)
43537	CadSNP19132	<i>Desi</i>	Ca_Desig_denovo	20874263	(A/C)
43538	CadSNP19133	<i>Desi</i>	Ca_Desig_denovo	20874920	(G/A)
43539	CadSNP19134	<i>Desi</i>	Ca_Desig_denovo	20881238	(A/G)
43540	CadSNP19135	<i>Desi</i>	Ca_Desig_denovo	20882422	(C/G)
43541	CadSNP19136	<i>Desi</i>	Ca_Desig_denovo	20882497	(C/G)
43542	CadSNP19137	<i>Desi</i>	Ca_Desig_denovo	20886433	(C/T)
43543	CadSNP19138	<i>Desi</i>	Ca_Desig_denovo	20887979	(T/C)
43544	CadSNP19139	<i>Desi</i>	Ca_Desig_denovo	20891620	(G/A)
43545	CadSNP19140	<i>Desi</i>	Ca_Desig_denovo	20892550	(C/A)
43546	CadSNP19141	<i>Desi</i>	Ca_Desig_denovo	20892625	(T/C)
43547	CadSNP19142	<i>Desi</i>	Ca_Desig_denovo	20904517	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43548	CadSNP19143	<i>Desi</i>	Ca_Desig_denovo	20910345	(G/T)
43549	CadSNP19144	<i>Desi</i>	Ca_Desig_denovo	20910346	(A/C)
43550	CadSNP19145	<i>Desi</i>	Ca_Desig_denovo	20913304	(C/T)
43551	CadSNP19146	<i>Desi</i>	Ca_Desig_denovo	20913354	(C/T)
43552	CadSNP19147	<i>Desi</i>	Ca_Desig_denovo	20917199	(G/A)
43553	CadSNP19148	<i>Desi</i>	Ca_Desig_denovo	20930680	(A/G)
43554	CadSNP19149	<i>Desi</i>	Ca_Desig_denovo	20930720	(T/C)
43555	CadSNP19150	<i>Desi</i>	Ca_Desig_denovo	20932466	(C/G)
43556	CadSNP19151	<i>Desi</i>	Ca_Desig_denovo	20932472	(C/T)
43557	CadSNP19152	<i>Desi</i>	Ca_Desig_denovo	20937657	(C/G)
43558	CadSNP19153	<i>Desi</i>	Ca_Desig_denovo	20937689	(T/A)
43559	CadSNP19154	<i>Desi</i>	Ca_Desig_denovo	20945682	(G/A)
43560	CadSNP19155	<i>Desi</i>	Ca_Desig_denovo	20945697	(A/G)
43561	CadSNP19156	<i>Desi</i>	Ca_Desig_denovo	20951700	(G/A)
43562	CadSNP19157	<i>Desi</i>	Ca_Desig_denovo	20951733	(C/G)
43563	CadSNP19158	<i>Desi</i>	Ca_Desig_denovo	20957817	(T/G)
43564	CadSNP19159	<i>Desi</i>	Ca_Desig_denovo	20961410	(C/T)
43565	CadSNP19160	<i>Desi</i>	Ca_Desig_denovo	20967238	(G/A)
43566	CadSNP19161	<i>Desi</i>	Ca_Desig_denovo	20972520	(A/G)
43567	CadSNP19162	<i>Desi</i>	Ca_Desig_denovo	20977739	(G/A)
43568	CadSNP19163	<i>Desi</i>	Ca_Desig_denovo	20977763	(A/T)
43569	CadSNP19164	<i>Desi</i>	Ca_Desig_denovo	20980109	(G/C)
43570	CadSNP19165	<i>Desi</i>	Ca_Desig_denovo	20984837	(G/T)
43571	CadSNP19166	<i>Desi</i>	Ca_Desig_denovo	20989470	(C/T)
43572	CadSNP19167	<i>Desi</i>	Ca_Desig_denovo	20991543	(T/G)
43573	CadSNP19168	<i>Desi</i>	Ca_Desig_denovo	20992027	(T/G)
43574	CadSNP19169	<i>Desi</i>	Ca_Desig_denovo	20996165	(C/T)
43575	CadSNP19170	<i>Desi</i>	Ca_Desig_denovo	21003641	(A/G)
43576	CadSNP19171	<i>Desi</i>	Ca_Desig_denovo	21003665	(C/G)
43577	CadSNP19172	<i>Desi</i>	Ca_Desig_denovo	21008029	(G/A)
43578	CadSNP19173	<i>Desi</i>	Ca_Desig_denovo	21009183	(A/G)
43579	CadSNP19174	<i>Desi</i>	Ca_Desig_denovo	21012155	(C/T)
43580	CadSNP19175	<i>Desi</i>	Ca_Desig_denovo	21012170	(T/C)
43581	CadSNP19176	<i>Desi</i>	Ca_Desig_denovo	21021194	(T/G)
43582	CadSNP19177	<i>Desi</i>	Ca_Desig_denovo	21021231	(G/C)
43583	CadSNP19178	<i>Desi</i>	Ca_Desig_denovo	21028394	(C/A)
43584	CadSNP19179	<i>Desi</i>	Ca_Desig_denovo	21039491	(A/G)
43585	CadSNP19180	<i>Desi</i>	Ca_Desig_denovo	21039520	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43586	CadSNP19181	<i>Desi</i>	Ca_Desig_denovo	21045182	(T/C)
43587	CadSNP19182	<i>Desi</i>	Ca_Desig_denovo	21045230	(A/G)
43588	CadSNP19183	<i>Desi</i>	Ca_Desig_denovo	21046934	(C/T)
43589	CadSNP19184	<i>Desi</i>	Ca_Desig_denovo	21049361	(C/T)
43590	CadSNP19185	<i>Desi</i>	Ca_Desig_denovo	21051497	(T/C)
43591	CadSNP19186	<i>Desi</i>	Ca_Desig_denovo	21051512	(C/A)
43592	CadSNP19187	<i>Desi</i>	Ca_Desig_denovo	21052316	(T/C)
43593	CadSNP19188	<i>Desi</i>	Ca_Desig_denovo	21055892	(T/G)
43594	CadSNP19189	<i>Desi</i>	Ca_Desig_denovo	21055905	(G/A)
43595	CadSNP19190	<i>Desi</i>	Ca_Desig_denovo	21061449	(G/C)
43596	CadSNP19191	<i>Desi</i>	Ca_Desig_denovo	21061470	(T/C)
43597	CadSNP19192	<i>Desi</i>	Ca_Desig_denovo	21065455	(C/T)
43598	CadSNP19193	<i>Desi</i>	Ca_Desig_denovo	21065483	(C/G)
43599	CadSNP19194	<i>Desi</i>	Ca_Desig_denovo	21070468	(C/T)
43600	CadSNP19195	<i>Desi</i>	Ca_Desig_denovo	21070480	(T/C)
43601	CadSNP19196	<i>Desi</i>	Ca_Desig_denovo	21071031	(C/G)
43602	CadSNP19197	<i>Desi</i>	Ca_Desig_denovo	21071041	(G/C)
43603	CadSNP19198	<i>Desi</i>	Ca_Desig_denovo	21079439	(G/C)
43604	CadSNP19199	<i>Desi</i>	Ca_Desig_denovo	21086281	(C/A)
43605	CadSNP19200	<i>Desi</i>	Ca_Desig_denovo	21090556	(T/A)
43606	CadSNP19201	<i>Desi</i>	Ca_Desig_denovo	21090625	(C/T)
43607	CadSNP19202	<i>Desi</i>	Ca_Desig_denovo	21091806	(A/G)
43608	CadSNP19203	<i>Desi</i>	Ca_Desig_denovo	21091820	(C/T)
43609	CadSNP19204	<i>Desi</i>	Ca_Desig_denovo	21100769	(T/G)
43610	CadSNP19205	<i>Desi</i>	Ca_Desig_denovo	21107123	(C/T)
43611	CadSNP19206	<i>Desi</i>	Ca_Desig_denovo	21107126	(C/T)
43612	CadSNP19207	<i>Desi</i>	Ca_Desig_denovo	21107916	(A/G)
43613	CadSNP19208	<i>Desi</i>	Ca_Desig_denovo	21109289	(A/G)
43614	CadSNP19209	<i>Desi</i>	Ca_Desig_denovo	21110367	(C/T)
43615	CadSNP19210	<i>Desi</i>	Ca_Desig_denovo	21112046	(G/A)
43616	CadSNP19211	<i>Desi</i>	Ca_Desig_denovo	21113045	(A/G)
43617	CadSNP19212	<i>Desi</i>	Ca_Desig_denovo	21115766	(G/C)
43618	CadSNP19213	<i>Desi</i>	Ca_Desig_denovo	21117737	(C/T)
43619	CadSNP19214	<i>Desi</i>	Ca_Desig_denovo	21117764	(C/G)
43620	CadSNP19215	<i>Desi</i>	Ca_Desig_denovo	21124530	(A/G)
43621	CadSNP19216	<i>Desi</i>	Ca_Desig_denovo	21124557	(T/G)
43622	CadSNP19217	<i>Desi</i>	Ca_Desig_denovo	21128588	(T/C)
43623	CadSNP19218	<i>Desi</i>	Ca_Desig_denovo	21128657	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43624	CadSNP19219	<i>Desi</i>	Ca_Desig_denovo	21128958	(C/T)
43625	CadSNP19220	<i>Desi</i>	Ca_Desig_denovo	21128968	(G/A)
43626	CadSNP19221	<i>Desi</i>	Ca_Desig_denovo	21130263	(T/C)
43627	CadSNP19222	<i>Desi</i>	Ca_Desig_denovo	21130280	(G/C)
43628	CadSNP19223	<i>Desi</i>	Ca_Desig_denovo	21132057	(C/A)
43629	CadSNP19224	<i>Desi</i>	Ca_Desig_denovo	21132087	(A/G)
43630	CadSNP19225	<i>Desi</i>	Ca_Desig_denovo	21137478	(G/C)
43631	CadSNP19226	<i>Desi</i>	Ca_Desig_denovo	21147998	(G/A)
43632	CadSNP19227	<i>Desi</i>	Ca_Desig_denovo	21148007	(G/C)
43633	CadSNP19228	<i>Desi</i>	Ca_Desig_denovo	21152755	(A/C)
43634	CadSNP19229	<i>Desi</i>	Ca_Desig_denovo	21156291	(G/T)
43635	CadSNP19230	<i>Desi</i>	Ca_Desig_denovo	21158760	(C/G)
43636	CadSNP19231	<i>Desi</i>	Ca_Desig_denovo	21158782	(C/A)
43637	CadSNP19232	<i>Desi</i>	Ca_Desig_denovo	21158917	(C/T)
43638	CadSNP19233	<i>Desi</i>	Ca_Desig_denovo	21158933	(T/A)
43639	CadSNP19234	<i>Desi</i>	Ca_Desig_denovo	21162466	(T/A)
43640	CadSNP19235	<i>Desi</i>	Ca_Desig_denovo	21164231	(C/T)
43641	CadSNP19236	<i>Desi</i>	Ca_Desig_denovo	21164234	(T/G)
43642	CadSNP19237	<i>Desi</i>	Ca_Desig_denovo	21164583	(C/G)
43643	CadSNP19238	<i>Desi</i>	Ca_Desig_denovo	21166343	(G/C)
43644	CadSNP19239	<i>Desi</i>	Ca_Desig_denovo	21167192	(C/T)
43645	CadSNP19240	<i>Desi</i>	Ca_Desig_denovo	21168492	(C/G)
43646	CadSNP19241	<i>Desi</i>	Ca_Desig_denovo	21169204	(A/G)
43647	CadSNP19242	<i>Desi</i>	Ca_Desig_denovo	21173618	(G/A)
43648	CadSNP19243	<i>Desi</i>	Ca_Desig_denovo	21178480	(G/A)
43649	CadSNP19244	<i>Desi</i>	Ca_Desig_denovo	21185364	(T/A)
43650	CadSNP19245	<i>Desi</i>	Ca_Desig_denovo	21185823	(G/A)
43651	CadSNP19246	<i>Desi</i>	Ca_Desig_denovo	21185835	(G/C)
43652	CadSNP19247	<i>Desi</i>	Ca_Desig_denovo	21194249	(C/T)
43653	CadSNP19248	<i>Desi</i>	Ca_Desig_denovo	21206282	(A/C)
43654	CadSNP19249	<i>Desi</i>	Ca_Desig_denovo	21206285	(C/G)
43655	CadSNP19250	<i>Desi</i>	Ca_Desig_denovo	21207433	(T/C)
43656	CadSNP19251	<i>Desi</i>	Ca_Desig_denovo	21209588	(G/A)
43657	CadSNP19252	<i>Desi</i>	Ca_Desig_denovo	21209604	(T/C)
43658	CadSNP19253	<i>Desi</i>	Ca_Desig_denovo	21209615	(T/C)
43659	CadSNP19254	<i>Desi</i>	Ca_Desig_denovo	21213800	(G/A)
43660	CadSNP19255	<i>Desi</i>	Ca_Desig_denovo	21226445	(C/G)
43661	CadSNP19256	<i>Desi</i>	Ca_Desig_denovo	21226463	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43662	CadSNP19257	<i>Desi</i>	Ca_Desig_denovo	21227443	(C/G)
43663	CadSNP19258	<i>Desi</i>	Ca_Desig_denovo	21227455	(C/T)
43664	CadSNP19259	<i>Desi</i>	Ca_Desig_denovo	21233957	(A/G)
43665	CadSNP19260	<i>Desi</i>	Ca_Desig_denovo	21234003	(G/A)
43666	CadSNP19261	<i>Desi</i>	Ca_Desig_denovo	21234654	(T/C)
43667	CadSNP19262	<i>Desi</i>	Ca_Desig_denovo	21235800	(G/C)
43668	CadSNP19263	<i>Desi</i>	Ca_Desig_denovo	21243761	(C/T)
43669	CadSNP19264	<i>Desi</i>	Ca_Desig_denovo	21243796	(G/C)
43670	CadSNP19265	<i>Desi</i>	Ca_Desig_denovo	21246625	(G/C)
43671	CadSNP19266	<i>Desi</i>	Ca_Desig_denovo	21246681	(A/G)
43672	CadSNP19267	<i>Desi</i>	Ca_Desig_denovo	21248192	(T/A)
43673	CadSNP19268	<i>Desi</i>	Ca_Desig_denovo	21250228	(T/C)
43674	CadSNP19269	<i>Desi</i>	Ca_Desig_denovo	21252688	(C/G)
43675	CadSNP19270	<i>Desi</i>	Ca_Desig_denovo	21252715	(C/T)
43676	CadSNP19271	<i>Desi</i>	Ca_Desig_denovo	21264024	(G/C)
43677	CadSNP19272	<i>Desi</i>	Ca_Desig_denovo	21270992	(G/A)
43678	CadSNP19273	<i>Desi</i>	Ca_Desig_denovo	21276403	(C/G)
43679	CadSNP19274	<i>Desi</i>	Ca_Desig_denovo	21286127	(G/T)
43680	CadSNP19275	<i>Desi</i>	Ca_Desig_denovo	21288667	(C/A)
43681	CadSNP19276	<i>Desi</i>	Ca_Desig_denovo	21290441	(T/A)
43682	CadSNP19277	<i>Desi</i>	Ca_Desig_denovo	21290443	(T/C)
43683	CadSNP19278	<i>Desi</i>	Ca_Desig_denovo	21292578	(T/C)
43684	CadSNP19279	<i>Desi</i>	Ca_Desig_denovo	21292593	(G/T)
43685	CadSNP19280	<i>Desi</i>	Ca_Desig_denovo	21294260	(T/C)
43686	CadSNP19281	<i>Desi</i>	Ca_Desig_denovo	21294261	(T/G)
43687	CadSNP19282	<i>Desi</i>	Ca_Desig_denovo	21317208	(G/T)
43688	CadSNP19283	<i>Desi</i>	Ca_Desig_denovo	21317226	(C/T)
43689	CadSNP19284	<i>Desi</i>	Ca_Desig_denovo	21322972	(C/T)
43690	CadSNP19285	<i>Desi</i>	Ca_Desig_denovo	21326366	(A/G)
43691	CadSNP19286	<i>Desi</i>	Ca_Desig_denovo	21329848	(T/C)
43692	CadSNP19287	<i>Desi</i>	Ca_Desig_denovo	21329856	(A/G)
43693	CadSNP19288	<i>Desi</i>	Ca_Desig_denovo	21332804	(T/G)
43694	CadSNP19289	<i>Desi</i>	Ca_Desig_denovo	21332820	(G/C)
43695	CadSNP19290	<i>Desi</i>	Ca_Desig_denovo	21335404	(A/G)
43696	CadSNP19291	<i>Desi</i>	Ca_Desig_denovo	21335405	(A/T)
43697	CadSNP19292	<i>Desi</i>	Ca_Desig_denovo	21335422	(C/G)
43698	CadSNP19293	<i>Desi</i>	Ca_Desig_denovo	21337123	(G/A)
43699	CadSNP19294	<i>Desi</i>	Ca_Desig_denovo	21337194	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43700	CadSNP19295	<i>Desi</i>	Ca_Desig_denovo	21340636	(A/C)
43701	CadSNP19296	<i>Desi</i>	Ca_Desig_denovo	21342349	(A/G)
43702	CadSNP19297	<i>Desi</i>	Ca_Desig_denovo	21343609	(G/A)
43703	CadSNP19298	<i>Desi</i>	Ca_Desig_denovo	21347086	(C/G)
43704	CadSNP19299	<i>Desi</i>	Ca_Desig_denovo	21348482	(G/A)
43705	CadSNP19300	<i>Desi</i>	Ca_Desig_denovo	21351277	(A/G)
43706	CadSNP19301	<i>Desi</i>	Ca_Desig_denovo	21356292	(C/T)
43707	CadSNP19302	<i>Desi</i>	Ca_Desig_denovo	21357473	(A/T)
43708	CadSNP19303	<i>Desi</i>	Ca_Desig_denovo	21361752	(T/C)
43709	CadSNP19304	<i>Desi</i>	Ca_Desig_denovo	21362405	(G/A)
43710	CadSNP19305	<i>Desi</i>	Ca_Desig_denovo	21362432	(T/C)
43711	CadSNP19306	<i>Desi</i>	Ca_Desig_denovo	21364090	(T/C)
43712	CadSNP19307	<i>Desi</i>	Ca_Desig_denovo	21364831	(T/C)
43713	CadSNP19308	<i>Desi</i>	Ca_Desig_denovo	21364870	(G/T)
43714	CadSNP19309	<i>Desi</i>	Ca_Desig_denovo	21367087	(T/C)
43715	CadSNP19310	<i>Desi</i>	Ca_Desig_denovo	21367897	(C/T)
43716	CadSNP19311	<i>Desi</i>	Ca_Desig_denovo	21367945	(C/T)
43717	CadSNP19312	<i>Desi</i>	Ca_Desig_denovo	21369654	(T/C)
43718	CadSNP19313	<i>Desi</i>	Ca_Desig_denovo	21369657	(G/A)
43719	CadSNP19314	<i>Desi</i>	Ca_Desig_denovo	21375314	(A/G)
43720	CadSNP19315	<i>Desi</i>	Ca_Desig_denovo	21375381	(A/C)
43721	CadSNP19316	<i>Desi</i>	Ca_Desig_denovo	21385394	(T/G)
43722	CadSNP19317	<i>Desi</i>	Ca_Desig_denovo	21395207	(A/C)
43723	CadSNP19318	<i>Desi</i>	Ca_Desig_denovo	21399080	(G/C)
43724	CadSNP19319	<i>Desi</i>	Ca_Desig_denovo	21399098	(A/C)
43725	CadSNP19320	<i>Desi</i>	Ca_Desig_denovo	21400510	(T/C)
43726	CadSNP19321	<i>Desi</i>	Ca_Desig_denovo	21404371	(T/C)
43727	CadSNP19322	<i>Desi</i>	Ca_Desig_denovo	21406619	(A/T)
43728	CadSNP19323	<i>Desi</i>	Ca_Desig_denovo	21406646	(A/G)
43729	CadSNP19324	<i>Desi</i>	Ca_Desig_denovo	21416423	(A/G)
43730	CadSNP19325	<i>Desi</i>	Ca_Desig_denovo	21416462	(G/A)
43731	CadSNP19326	<i>Desi</i>	Ca_Desig_denovo	21423214	(G/A)
43732	CadSNP19327	<i>Desi</i>	Ca_Desig_denovo	21423411	(G/A)
43733	CadSNP19328	<i>Desi</i>	Ca_Desig_denovo	21423425	(C/G)
43734	CadSNP19329	<i>Desi</i>	Ca_Desig_denovo	21433174	(C/T)
43735	CadSNP19330	<i>Desi</i>	Ca_Desig_denovo	21433240	(C/T)
43736	CadSNP19331	<i>Desi</i>	Ca_Desig_denovo	21438692	(A/G)
43737	CadSNP19332	<i>Desi</i>	Ca_Desig_denovo	21446604	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43738	CadSNP19333	<i>Desi</i>	Ca_Desig_denovo	21450772	(C/A)
43739	CadSNP19334	<i>Desi</i>	Ca_Desig_denovo	21450969	(T/C)
43740	CadSNP19335	<i>Desi</i>	Ca_Desig_denovo	21451298	(T/C)
43741	CadSNP19336	<i>Desi</i>	Ca_Desig_denovo	21451321	(C/A)
43742	CadSNP19337	<i>Desi</i>	Ca_Desig_denovo	21458994	(C/G)
43743	CadSNP19338	<i>Desi</i>	Ca_Desig_denovo	21458995	(G/A)
43744	CadSNP19339	<i>Desi</i>	Ca_Desig_denovo	21461543	(C/G)
43745	CadSNP19340	<i>Desi</i>	Ca_Desig_denovo	21461575	(G/A)
43746	CadSNP19341	<i>Desi</i>	Ca_Desig_denovo	21466027	(T/C)
43747	CadSNP19342	<i>Desi</i>	Ca_Desig_denovo	21470564	(C/T)
43748	CadSNP19343	<i>Desi</i>	Ca_Desig_denovo	21470963	(T/G)
43749	CadSNP19344	<i>Desi</i>	Ca_Desig_denovo	21473895	(A/C)
43750	CadSNP19345	<i>Desi</i>	Ca_Desig_denovo	21473961	(C/G)
43751	CadSNP19346	<i>Desi</i>	Ca_Desig_denovo	21475314	(C/T)
43752	CadSNP19347	<i>Desi</i>	Ca_Desig_denovo	21482747	(T/G)
43753	CadSNP19348	<i>Desi</i>	Ca_Desig_denovo	21484700	(G/A)
43754	CadSNP19349	<i>Desi</i>	Ca_Desig_denovo	21486849	(A/G)
43755	CadSNP19350	<i>Desi</i>	Ca_Desig_denovo	21486850	(T/C)
43756	CadSNP19351	<i>Desi</i>	Ca_Desig_denovo	21487181	(C/T)
43757	CadSNP19352	<i>Desi</i>	Ca_Desig_denovo	21487472	(G/A)
43758	CadSNP19353	<i>Desi</i>	Ca_Desig_denovo	21488314	(C/T)
43759	CadSNP19354	<i>Desi</i>	Ca_Desig_denovo	21488338	(T/C)
43760	CadSNP19355	<i>Desi</i>	Ca_Desig_denovo	21496231	(T/C)
43761	CadSNP19356	<i>Desi</i>	Ca_Desig_denovo	21496414	(A/G)
43762	CadSNP19357	<i>Desi</i>	Ca_Desig_denovo	21497720	(C/G)
43763	CadSNP19358	<i>Desi</i>	Ca_Desig_denovo	21497731	(T/C)
43764	CadSNP19359	<i>Desi</i>	Ca_Desig_denovo	21504917	(G/C)
43765	CadSNP19360	<i>Desi</i>	Ca_Desig_denovo	21508087	(C/T)
43766	CadSNP19361	<i>Desi</i>	Ca_Desig_denovo	21509550	(T/C)
43767	CadSNP19362	<i>Desi</i>	Ca_Desig_denovo	21509596	(C/T)
43768	CadSNP19363	<i>Desi</i>	Ca_Desig_denovo	21509654	(A/C)
43769	CadSNP19364	<i>Desi</i>	Ca_Desig_denovo	21517527	(G/T)
43770	CadSNP19365	<i>Desi</i>	Ca_Desig_denovo	21519862	(T/G)
43771	CadSNP19366	<i>Desi</i>	Ca_Desig_denovo	21521038	(T/G)
43772	CadSNP19367	<i>Desi</i>	Ca_Desig_denovo	21533146	(G/T)
43773	CadSNP19368	<i>Desi</i>	Ca_Desig_denovo	21533200	(G/C)
43774	CadSNP19369	<i>Desi</i>	Ca_Desig_denovo	21538213	(G/A)
43775	CadSNP19370	<i>Desi</i>	Ca_Desig_denovo	21538900	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43776	CadSNP19371	<i>Desi</i>	Ca_Desig_denovo	21554904	(C/T)
43777	CadSNP19372	<i>Desi</i>	Ca_Desig_denovo	21558981	(A/G)
43778	CadSNP19373	<i>Desi</i>	Ca_Desig_denovo	21559705	(C/T)
43779	CadSNP19374	<i>Desi</i>	Ca_Desig_denovo	21561506	(C/T)
43780	CadSNP19375	<i>Desi</i>	Ca_Desig_denovo	21567335	(A/T)
43781	CadSNP19376	<i>Desi</i>	Ca_Desig_denovo	21569777	(T/C)
43782	CadSNP19377	<i>Desi</i>	Ca_Desig_denovo	21574567	(A/G)
43783	CadSNP19378	<i>Desi</i>	Ca_Desig_denovo	21574578	(G/A)
43784	CadSNP19379	<i>Desi</i>	Ca_Desig_denovo	21578623	(G/C)
43785	CadSNP19380	<i>Desi</i>	Ca_Desig_denovo	21584757	(G/A)
43786	CadSNP19381	<i>Desi</i>	Ca_Desig_denovo	21584823	(A/G)
43787	CadSNP19382	<i>Desi</i>	Ca_Desig_denovo	21591726	(C/T)
43788	CadSNP19383	<i>Desi</i>	Ca_Desig_denovo	21594891	(A/G)
43789	CadSNP19384	<i>Desi</i>	Ca_Desig_denovo	21609716	(A/G)
43790	CadSNP19385	<i>Desi</i>	Ca_Desig_denovo	21614548	(G/A)
43791	CadSNP19386	<i>Desi</i>	Ca_Desig_denovo	21614576	(T/C)
43792	CadSNP19387	<i>Desi</i>	Ca_Desig_denovo	21616462	(G/A)
43793	CadSNP19388	<i>Desi</i>	Ca_Desig_denovo	21621937	(A/G)
43794	CadSNP19389	<i>Desi</i>	Ca_Desig_denovo	21621943	(T/G)
43795	CadSNP19390	<i>Desi</i>	Ca_Desig_denovo	21624205	(C/G)
43796	CadSNP19391	<i>Desi</i>	Ca_Desig_denovo	21624265	(G/C)
43797	CadSNP19392	<i>Desi</i>	Ca_Desig_denovo	21647437	(C/T)
43798	CadSNP19393	<i>Desi</i>	Ca_Desig_denovo	21647461	(T/C)
43799	CadSNP19394	<i>Desi</i>	Ca_Desig_denovo	21659371	(T/C)
43800	CadSNP19395	<i>Desi</i>	Ca_Desig_denovo	21660365	(T/C)
43801	CadSNP19396	<i>Desi</i>	Ca_Desig_denovo	21660377	(C/T)
43802	CadSNP19397	<i>Desi</i>	Ca_Desig_denovo	21660662	(C/T)
43803	CadSNP19398	<i>Desi</i>	Ca_Desig_denovo	21660868	(G/T)
43804	CadSNP19399	<i>Desi</i>	Ca_Desig_denovo	21660890	(G/A)
43805	CadSNP19400	<i>Desi</i>	Ca_Desig_denovo	21663377	(C/T)
43806	CadSNP19401	<i>Desi</i>	Ca_Desig_denovo	21667711	(G/C)
43807	CadSNP19402	<i>Desi</i>	Ca_Desig_denovo	21669948	(G/A)
43808	CadSNP19403	<i>Desi</i>	Ca_Desig_denovo	21669949	(T/C)
43809	CadSNP19404	<i>Desi</i>	Ca_Desig_denovo	21670918	(A/G)
43810	CadSNP19405	<i>Desi</i>	Ca_Desig_denovo	21670919	(G/A)
43811	CadSNP19406	<i>Desi</i>	Ca_Desig_denovo	21682601	(C/A)
43812	CadSNP19407	<i>Desi</i>	Ca_Desig_denovo	21682634	(A/G)
43813	CadSNP19408	<i>Desi</i>	Ca_Desig_denovo	21686175	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43814	CadSNP19409	<i>Desi</i>	Ca_Desig_denovo	21696864	(C/T)
43815	CadSNP19410	<i>Desi</i>	Ca_Desig_denovo	21706849	(A/C)
43816	CadSNP19411	<i>Desi</i>	Ca_Desig_denovo	21707230	(G/A)
43817	CadSNP19412	<i>Desi</i>	Ca_Desig_denovo	21712855	(C/T)
43818	CadSNP19413	<i>Desi</i>	Ca_Desig_denovo	21717787	(C/T)
43819	CadSNP19414	<i>Desi</i>	Ca_Desig_denovo	21717808	(T/A)
43820	CadSNP19415	<i>Desi</i>	Ca_Desig_denovo	21735986	(C/G)
43821	CadSNP19416	<i>Desi</i>	Ca_Desig_denovo	21740627	(A/G)
43822	CadSNP19417	<i>Desi</i>	Ca_Desig_denovo	21740915	(G/A)
43823	CadSNP19418	<i>Desi</i>	Ca_Desig_denovo	21740927	(A/G)
43824	CadSNP19419	<i>Desi</i>	Ca_Desig_denovo	21743264	(C/G)
43825	CadSNP19420	<i>Desi</i>	Ca_Desig_denovo	21749308	(T/G)
43826	CadSNP19421	<i>Desi</i>	Ca_Desig_denovo	21749329	(T/C)
43827	CadSNP19422	<i>Desi</i>	Ca_Desig_denovo	21761182	(G/T)
43828	CadSNP19423	<i>Desi</i>	Ca_Desig_denovo	21761236	(G/C)
43829	CadSNP19424	<i>Desi</i>	Ca_Desig_denovo	21762208	(A/G)
43830	CadSNP19425	<i>Desi</i>	Ca_Desig_denovo	21762851	(G/A)
43831	CadSNP19426	<i>Desi</i>	Ca_Desig_denovo	21765194	(T/C)
43832	CadSNP19427	<i>Desi</i>	Ca_Desig_denovo	21765243	(C/A)
43833	CadSNP19428	<i>Desi</i>	Ca_Desig_denovo	21770495	(G/A)
43834	CadSNP19429	<i>Desi</i>	Ca_Desig_denovo	21770501	(C/T)
43835	CadSNP19430	<i>Desi</i>	Ca_Desig_denovo	21774675	(G/A)
43836	CadSNP19431	<i>Desi</i>	Ca_Desig_denovo	21777606	(T/C)
43837	CadSNP19432	<i>Desi</i>	Ca_Desig_denovo	21781092	(G/C)
43838	CadSNP19433	<i>Desi</i>	Ca_Desig_denovo	21781095	(T/C)
43839	CadSNP19434	<i>Desi</i>	Ca_Desig_denovo	21781844	(A/G)
43840	CadSNP19435	<i>Desi</i>	Ca_Desig_denovo	21781866	(C/T)
43841	CadSNP19436	<i>Desi</i>	Ca_Desig_denovo	21783980	(C/T)
43842	CadSNP19437	<i>Desi</i>	Ca_Desig_denovo	21784548	(G/A)
43843	CadSNP19438	<i>Desi</i>	Ca_Desig_denovo	21784590	(C/G)
43844	CadSNP19439	<i>Desi</i>	Ca_Desig_denovo	21796049	(C/G)
43845	CadSNP19440	<i>Desi</i>	Ca_Desig_denovo	21800553	(T/C)
43846	CadSNP19441	<i>Desi</i>	Ca_Desig_denovo	21800555	(G/C)
43847	CadSNP19442	<i>Desi</i>	Ca_Desig_denovo	21800825	(G/A)
43848	CadSNP19443	<i>Desi</i>	Ca_Desig_denovo	21801230	(A/G)
43849	CadSNP19444	<i>Desi</i>	Ca_Desig_denovo	21803290	(G/A)
43850	CadSNP19445	<i>Desi</i>	Ca_Desig_denovo	21812623	(T/C)
43851	CadSNP19446	<i>Desi</i>	Ca_Desig_denovo	21813561	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43852	CadSNP19447	<i>Desi</i>	Ca_Desig_denovo	21816413	(T/C)
43853	CadSNP19448	<i>Desi</i>	Ca_Desig_denovo	21816416	(A/G)
43854	CadSNP19449	<i>Desi</i>	Ca_Desig_denovo	21818441	(T/C)
43855	CadSNP19450	<i>Desi</i>	Ca_Desig_denovo	21818451	(G/A)
43856	CadSNP19451	<i>Desi</i>	Ca_Desig_denovo	21821465	(G/A)
43857	CadSNP19452	<i>Desi</i>	Ca_Desig_denovo	21821929	(T/C)
43858	CadSNP19453	<i>Desi</i>	Ca_Desig_denovo	21821983	(C/T)
43859	CadSNP19454	<i>Desi</i>	Ca_Desig_denovo	21822034	(T/C)
43860	CadSNP19455	<i>Desi</i>	Ca_Desig_denovo	21823748	(A/C)
43861	CadSNP19456	<i>Desi</i>	Ca_Desig_denovo	21824997	(A/T)
43862	CadSNP19457	<i>Desi</i>	Ca_Desig_denovo	21825041	(G/A)
43863	CadSNP19458	<i>Desi</i>	Ca_Desig_denovo	21836888	(T/C)
43864	CadSNP19459	<i>Desi</i>	Ca_Desig_denovo	21837575	(A/G)
43865	CadSNP19460	<i>Desi</i>	Ca_Desig_denovo	21840507	(T/C)
43866	CadSNP19461	<i>Desi</i>	Ca_Desig_denovo	21840543	(C/A)
43867	CadSNP19462	<i>Desi</i>	Ca_Desig_denovo	21844328	(C/A)
43868	CadSNP19463	<i>Desi</i>	Ca_Desig_denovo	21844393	(G/A)
43869	CadSNP19464	<i>Desi</i>	Ca_Desig_denovo	21852454	(T/G)
43870	CadSNP19465	<i>Desi</i>	Ca_Desig_denovo	21852472	(C/T)
43871	CadSNP19466	<i>Desi</i>	Ca_Desig_denovo	21860479	(A/G)
43872	CadSNP19467	<i>Desi</i>	Ca_Desig_denovo	21867435	(G/C)
43873	CadSNP19468	<i>Desi</i>	Ca_Desig_denovo	21869321	(C/T)
43874	CadSNP19469	<i>Desi</i>	Ca_Desig_denovo	21874943	(C/T)
43875	CadSNP19470	<i>Desi</i>	Ca_Desig_denovo	21875945	(C/G)
43876	CadSNP19471	<i>Desi</i>	Ca_Desig_denovo	21877711	(C/A)
43877	CadSNP19472	<i>Desi</i>	Ca_Desig_denovo	21884967	(A/G)
43878	CadSNP19473	<i>Desi</i>	Ca_Desig_denovo	21887771	(A/G)
43879	CadSNP19474	<i>Desi</i>	Ca_Desig_denovo	21889345	(A/T)
43880	CadSNP19475	<i>Desi</i>	Ca_Desig_denovo	21890078	(G/A)
43881	CadSNP19476	<i>Desi</i>	Ca_Desig_denovo	21890102	(C/T)
43882	CadSNP19477	<i>Desi</i>	Ca_Desig_denovo	21894597	(G/C)
43883	CadSNP19478	<i>Desi</i>	Ca_Desig_denovo	21896035	(G/A)
43884	CadSNP19479	<i>Desi</i>	Ca_Desig_denovo	21896065	(T/C)
43885	CadSNP19480	<i>Desi</i>	Ca_Desig_denovo	21900871	(T/C)
43886	CadSNP19481	<i>Desi</i>	Ca_Desig_denovo	21900896	(G/A)
43887	CadSNP19482	<i>Desi</i>	Ca_Desig_denovo	21912875	(C/T)
43888	CadSNP19483	<i>Desi</i>	Ca_Desig_denovo	21916703	(C/A)
43889	CadSNP19484	<i>Desi</i>	Ca_Desig_denovo	21919478	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43890	CadSNP19485	<i>Desi</i>	Ca_Desig_denovo	21919535	(C/G)
43891	CadSNP19486	<i>Desi</i>	Ca_Desig_denovo	21924161	(C/T)
43892	CadSNP19487	<i>Desi</i>	Ca_Desig_denovo	21924179	(C/T)
43893	CadSNP19488	<i>Desi</i>	Ca_Desig_denovo	21924751	(T/C)
43894	CadSNP19489	<i>Desi</i>	Ca_Desig_denovo	21932346	(C/G)
43895	CadSNP19490	<i>Desi</i>	Ca_Desig_denovo	21940582	(C/T)
43896	CadSNP19491	<i>Desi</i>	Ca_Desig_denovo	21942963	(T/G)
43897	CadSNP19492	<i>Desi</i>	Ca_Desig_denovo	21943773	(G/T)
43898	CadSNP19493	<i>Desi</i>	Ca_Desig_denovo	21947245	(A/G)
43899	CadSNP19494	<i>Desi</i>	Ca_Desig_denovo	21947257	(A/T)
43900	CadSNP19495	<i>Desi</i>	Ca_Desig_denovo	21958434	(G/A)
43901	CadSNP19496	<i>Desi</i>	Ca_Desig_denovo	21959695	(G/T)
43902	CadSNP19497	<i>Desi</i>	Ca_Desig_denovo	21969216	(C/A)
43903	CadSNP19498	<i>Desi</i>	Ca_Desig_denovo	21969228	(G/C)
43904	CadSNP19499	<i>Desi</i>	Ca_Desig_denovo	21969568	(C/G)
43905	CadSNP19500	<i>Desi</i>	Ca_Desig_denovo	21969795	(G/T)
43906	CadSNP19501	<i>Desi</i>	Ca_Desig_denovo	21969872	(A/G)
43907	CadSNP19502	<i>Desi</i>	Ca_Desig_denovo	21970903	(C/A)
43908	CadSNP19503	<i>Desi</i>	Ca_Desig_denovo	21972814	(C/T)
43909	CadSNP19504	<i>Desi</i>	Ca_Desig_denovo	21976377	(C/T)
43910	CadSNP19505	<i>Desi</i>	Ca_Desig_denovo	21976411	(C/T)
43911	CadSNP19506	<i>Desi</i>	Ca_Desig_denovo	21976940	(C/G)
43912	CadSNP19507	<i>Desi</i>	Ca_Desig_denovo	21992784	(T/A)
43913	CadSNP19508	<i>Desi</i>	Ca_Desig_denovo	21992812	(T/G)
43914	CadSNP19509	<i>Desi</i>	Ca_Desig_denovo	22014511	(C/T)
43915	CadSNP19510	<i>Desi</i>	Ca_Desig_denovo	22014526	(T/C)
43916	CadSNP19511	<i>Desi</i>	Ca_Desig_denovo	22039566	(C/G)
43917	CadSNP19512	<i>Desi</i>	Ca_Desig_denovo	22044924	(T/C)
43918	CadSNP19513	<i>Desi</i>	Ca_Desig_denovo	22055584	(C/T)
43919	CadSNP19514	<i>Desi</i>	Ca_Desig_denovo	22055905	(C/G)
43920	CadSNP19515	<i>Desi</i>	Ca_Desig_denovo	22055959	(T/G)
43921	CadSNP19516	<i>Desi</i>	Ca_Desig_denovo	22055970	(T/G)
43922	CadSNP19517	<i>Desi</i>	Ca_Desig_denovo	22062713	(A/T)
43923	CadSNP19518	<i>Desi</i>	Ca_Desig_denovo	22062719	(G/A)
43924	CadSNP19519	<i>Desi</i>	Ca_Desig_denovo	22069643	(T/G)
43925	CadSNP19520	<i>Desi</i>	Ca_Desig_denovo	22071290	(T/C)
43926	CadSNP19521	<i>Desi</i>	Ca_Desig_denovo	22071291	(T/C)
43927	CadSNP19522	<i>Desi</i>	Ca_Desig_denovo	22080183	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43928	CadSNP19523	<i>Desi</i>	Ca_Desig_denovo	22081236	(G/A)
43929	CadSNP19524	<i>Desi</i>	Ca_Desig_denovo	22081972	(T/G)
43930	CadSNP19525	<i>Desi</i>	Ca_Desig_denovo	22084106	(C/G)
43931	CadSNP19526	<i>Desi</i>	Ca_Desig_denovo	22086887	(C/A)
43932	CadSNP19527	<i>Desi</i>	Ca_Desig_denovo	22092560	(T/C)
43933	CadSNP19528	<i>Desi</i>	Ca_Desig_denovo	22092599	(A/G)
43934	CadSNP19529	<i>Desi</i>	Ca_Desig_denovo	22096564	(T/C)
43935	CadSNP19530	<i>Desi</i>	Ca_Desig_denovo	22096601	(A/G)
43936	CadSNP19531	<i>Desi</i>	Ca_Desig_denovo	22111867	(G/T)
43937	CadSNP19532	<i>Desi</i>	Ca_Desig_denovo	22115188	(T/G)
43938	CadSNP19533	<i>Desi</i>	Ca_Desig_denovo	22117293	(A/G)
43939	CadSNP19534	<i>Desi</i>	Ca_Desig_denovo	22121179	(G/A)
43940	CadSNP19535	<i>Desi</i>	Ca_Desig_denovo	22121239	(A/G)
43941	CadSNP19536	<i>Desi</i>	Ca_Desig_denovo	22121316	(C/T)
43942	CadSNP19537	<i>Desi</i>	Ca_Desig_denovo	22124086	(C/G)
43943	CadSNP19538	<i>Desi</i>	Ca_Desig_denovo	22124092	(C/T)
43944	CadSNP19539	<i>Desi</i>	Ca_Desig_denovo	22125941	(T/G)
43945	CadSNP19540	<i>Desi</i>	Ca_Desig_denovo	22137876	(T/A)
43946	CadSNP19541	<i>Desi</i>	Ca_Desig_denovo	22140080	(C/G)
43947	CadSNP19542	<i>Desi</i>	Ca_Desig_denovo	22143402	(G/A)
43948	CadSNP19543	<i>Desi</i>	Ca_Desig_denovo	22146848	(G/A)
43949	CadSNP19544	<i>Desi</i>	Ca_Desig_denovo	22147498	(C/G)
43950	CadSNP19545	<i>Desi</i>	Ca_Desig_denovo	22150873	(T/C)
43951	CadSNP19546	<i>Desi</i>	Ca_Desig_denovo	22154384	(C/G)
43952	CadSNP19547	<i>Desi</i>	Ca_Desig_denovo	22154405	(G/A)
43953	CadSNP19548	<i>Desi</i>	Ca_Desig_denovo	22154408	(G/C)
43954	CadSNP19549	<i>Desi</i>	Ca_Desig_denovo	22158666	(A/G)
43955	CadSNP19550	<i>Desi</i>	Ca_Desig_denovo	22158717	(G/A)
43956	CadSNP19551	<i>Desi</i>	Ca_Desig_denovo	22158731	(T/C)
43957	CadSNP19552	<i>Desi</i>	Ca_Desig_denovo	22160702	(A/G)
43958	CadSNP19553	<i>Desi</i>	Ca_Desig_denovo	22160895	(C/T)
43959	CadSNP19554	<i>Desi</i>	Ca_Desig_denovo	22161073	(C/A)
43960	CadSNP19555	<i>Desi</i>	Ca_Desig_denovo	22161085	(A/G)
43961	CadSNP19556	<i>Desi</i>	Ca_Desig_denovo	22161912	(G/A)
43962	CadSNP19557	<i>Desi</i>	Ca_Desig_denovo	22165034	(G/A)
43963	CadSNP19558	<i>Desi</i>	Ca_Desig_denovo	22174573	(T/C)
43964	CadSNP19559	<i>Desi</i>	Ca_Desig_denovo	22176245	(C/T)
43965	CadSNP19560	<i>Desi</i>	Ca_Desig_denovo	22178758	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
43966	CadSNP19561	<i>Desi</i>	Ca_Desig_denovo	22178779	(C/T)
43967	CadSNP19562	<i>Desi</i>	Ca_Desig_denovo	22181463	(C/T)
43968	CadSNP19563	<i>Desi</i>	Ca_Desig_denovo	22181466	(C/G)
43969	CadSNP19564	<i>Desi</i>	Ca_Desig_denovo	22187768	(A/G)
43970	CadSNP19565	<i>Desi</i>	Ca_Desig_denovo	22189673	(A/G)
43971	CadSNP19566	<i>Desi</i>	Ca_Desig_denovo	22190740	(T/C)
43972	CadSNP19567	<i>Desi</i>	Ca_Desig_denovo	22190776	(T/G)
43973	CadSNP19568	<i>Desi</i>	Ca_Desig_denovo	22194503	(A/G)
43974	CadSNP19569	<i>Desi</i>	Ca_Desig_denovo	22198191	(C/G)
43975	CadSNP19570	<i>Desi</i>	Ca_Desig_denovo	22198194	(G/C)
43976	CadSNP19571	<i>Desi</i>	Ca_Desig_denovo	22203962	(A/G)
43977	CadSNP19572	<i>Desi</i>	Ca_Desig_denovo	22204043	(C/G)
43978	CadSNP19573	<i>Desi</i>	Ca_Desig_denovo	22209815	(T/A)
43979	CadSNP19574	<i>Desi</i>	Ca_Desig_denovo	22209847	(A/C)
43980	CadSNP19575	<i>Desi</i>	Ca_Desig_denovo	22211974	(C/G)
43981	CadSNP19576	<i>Desi</i>	Ca_Desig_denovo	22223782	(T/G)
43982	CadSNP19577	<i>Desi</i>	Ca_Desig_denovo	22226963	(T/C)
43983	CadSNP19578	<i>Desi</i>	Ca_Desig_denovo	22227968	(T/G)
43984	CadSNP19579	<i>Desi</i>	Ca_Desig_denovo	22230769	(A/G)
43985	CadSNP19580	<i>Desi</i>	Ca_Desig_denovo	22237583	(G/A)
43986	CadSNP19581	<i>Desi</i>	Ca_Desig_denovo	22237603	(G/T)
43987	CadSNP19582	<i>Desi</i>	Ca_Desig_denovo	22246791	(C/T)
43988	CadSNP19583	<i>Desi</i>	Ca_Desig_denovo	22258362	(G/A)
43989	CadSNP19584	<i>Desi</i>	Ca_Desig_denovo	22258386	(G/A)
43990	CadSNP19585	<i>Desi</i>	Ca_Desig_denovo	22260311	(A/G)
43991	CadSNP19586	<i>Desi</i>	Ca_Desig_denovo	22260383	(T/C)
43992	CadSNP19587	<i>Desi</i>	Ca_Desig_denovo	22271326	(A/G)
43993	CadSNP19588	<i>Desi</i>	Ca_Desig_denovo	22271347	(C/T)
43994	CadSNP19589	<i>Desi</i>	Ca_Desig_denovo	22272850	(G/A)
43995	CadSNP19590	<i>Desi</i>	Ca_Desig_denovo	22276955	(C/G)
43996	CadSNP19591	<i>Desi</i>	Ca_Desig_denovo	22277024	(A/C)
43997	CadSNP19592	<i>Desi</i>	Ca_Desig_denovo	22280302	(A/G)
43998	CadSNP19593	<i>Desi</i>	Ca_Desig_denovo	22282078	(G/A)
43999	CadSNP19594	<i>Desi</i>	Ca_Desig_denovo	22282168	(C/G)
44000	CadSNP19595	<i>Desi</i>	Ca_Desig_denovo	22282186	(C/T)
44001	CadSNP19596	<i>Desi</i>	Ca_Desig_denovo	22282196	(G/A)
44002	CadSNP19597	<i>Desi</i>	Ca_Desig_denovo	22282227	(G/A)
44003	CadSNP19598	<i>Desi</i>	Ca_Desig_denovo	22284905	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44004	CadSNP19599	<i>Desi</i>	Ca_Desig_denovo	22297218	(T/A)
44005	CadSNP19600	<i>Desi</i>	Ca_Desig_denovo	22297274	(A/G)
44006	CadSNP19601	<i>Desi</i>	Ca_Desig_denovo	22298794	(G/T)
44007	CadSNP19602	<i>Desi</i>	Ca_Desig_denovo	22301024	(A/C)
44008	CadSNP19603	<i>Desi</i>	Ca_Desig_denovo	22301026	(A/G)
44009	CadSNP19604	<i>Desi</i>	Ca_Desig_denovo	22302267	(G/A)
44010	CadSNP19605	<i>Desi</i>	Ca_Desig_denovo	22305159	(C/T)
44011	CadSNP19606	<i>Desi</i>	Ca_Desig_denovo	22305199	(T/C)
44012	CadSNP19607	<i>Desi</i>	Ca_Desig_denovo	22308205	(C/T)
44013	CadSNP19608	<i>Desi</i>	Ca_Desig_denovo	22308220	(T/C)
44014	CadSNP19609	<i>Desi</i>	Ca_Desig_denovo	22311209	(A/C)
44015	CadSNP19610	<i>Desi</i>	Ca_Desig_denovo	22316400	(G/C)
44016	CadSNP19611	<i>Desi</i>	Ca_Desig_denovo	22318414	(G/T)
44017	CadSNP19612	<i>Desi</i>	Ca_Desig_denovo	22325495	(G/A)
44018	CadSNP19613	<i>Desi</i>	Ca_Desig_denovo	22325552	(G/A)
44019	CadSNP19614	<i>Desi</i>	Ca_Desig_denovo	22330735	(C/T)
44020	CadSNP19615	<i>Desi</i>	Ca_Desig_denovo	22330741	(T/C)
44021	CadSNP19616	<i>Desi</i>	Ca_Desig_denovo	22332157	(C/T)
44022	CadSNP19617	<i>Desi</i>	Ca_Desig_denovo	22334664	(G/C)
44023	CadSNP19618	<i>Desi</i>	Ca_Desig_denovo	22342826	(G/A)
44024	CadSNP19619	<i>Desi</i>	Ca_Desig_denovo	22348753	(C/T)
44025	CadSNP19620	<i>Desi</i>	Ca_Desig_denovo	22348786	(C/A)
44026	CadSNP19621	<i>Desi</i>	Ca_Desig_denovo	22349700	(A/G)
44027	CadSNP19622	<i>Desi</i>	Ca_Desig_denovo	22357247	(T/G)
44028	CadSNP19623	<i>Desi</i>	Ca_Desig_denovo	22357259	(G/T)
44029	CadSNP19624	<i>Desi</i>	Ca_Desig_denovo	22371364	(G/A)
44030	CadSNP19625	<i>Desi</i>	Ca_Desig_denovo	22374795	(T/A)
44031	CadSNP19626	<i>Desi</i>	Ca_Desig_denovo	22378894	(C/T)
44032	CadSNP19627	<i>Desi</i>	Ca_Desig_denovo	22383214	(C/T)
44033	CadSNP19628	<i>Desi</i>	Ca_Desig_denovo	22389946	(A/G)
44034	CadSNP19629	<i>Desi</i>	Ca_Desig_denovo	22391680	(G/T)
44035	CadSNP19630	<i>Desi</i>	Ca_Desig_denovo	22406276	(C/G)
44036	CadSNP19631	<i>Desi</i>	Ca_Desig_denovo	22406768	(C/T)
44037	CadSNP19632	<i>Desi</i>	Ca_Desig_denovo	22408402	(C/A)
44038	CadSNP19633	<i>Desi</i>	Ca_Desig_denovo	22410620	(G/A)
44039	CadSNP19634	<i>Desi</i>	Ca_Desig_denovo	22410626	(C/G)
44040	CadSNP19635	<i>Desi</i>	Ca_Desig_denovo	22413288	(T/C)
44041	CadSNP19636	<i>Desi</i>	Ca_Desig_denovo	22413325	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44042	CadSNP19637	<i>Desi</i>	Ca_Desig_denovo	22416728	(T/C)
44043	CadSNP19638	<i>Desi</i>	Ca_Desig_denovo	22417476	(A/G)
44044	CadSNP19639	<i>Desi</i>	Ca_Desig_denovo	22417533	(G/A)
44045	CadSNP19640	<i>Desi</i>	Ca_Desig_denovo	22419244	(A/G)
44046	CadSNP19641	<i>Desi</i>	Ca_Desig_denovo	22419270	(T/C)
44047	CadSNP19642	<i>Desi</i>	Ca_Desig_denovo	22422399	(T/C)
44048	CadSNP19643	<i>Desi</i>	Ca_Desig_denovo	22422479	(C/T)
44049	CadSNP19644	<i>Desi</i>	Ca_Desig_denovo	22430218	(A/G)
44050	CadSNP19645	<i>Desi</i>	Ca_Desig_denovo	22434026	(T/C)
44051	CadSNP19646	<i>Desi</i>	Ca_Desig_denovo	22436457	(G/A)
44052	CadSNP19647	<i>Desi</i>	Ca_Desig_denovo	22436487	(T/C)
44053	CadSNP19648	<i>Desi</i>	Ca_Desig_denovo	22440912	(T/C)
44054	CadSNP19649	<i>Desi</i>	Ca_Desig_denovo	22443534	(T/C)
44055	CadSNP19650	<i>Desi</i>	Ca_Desig_denovo	22443570	(T/C)
44056	CadSNP19651	<i>Desi</i>	Ca_Desig_denovo	22447915	(G/T)
44057	CadSNP19652	<i>Desi</i>	Ca_Desig_denovo	22449683	(G/C)
44058	CadSNP19653	<i>Desi</i>	Ca_Desig_denovo	22449725	(T/C)
44059	CadSNP19654	<i>Desi</i>	Ca_Desig_denovo	22451630	(A/G)
44060	CadSNP19655	<i>Desi</i>	Ca_Desig_denovo	22451657	(C/T)
44061	CadSNP19656	<i>Desi</i>	Ca_Desig_denovo	22453361	(A/T)
44062	CadSNP19657	<i>Desi</i>	Ca_Desig_denovo	22454044	(T/C)
44063	CadSNP19658	<i>Desi</i>	Ca_Desig_denovo	22455156	(G/A)
44064	CadSNP19659	<i>Desi</i>	Ca_Desig_denovo	22457140	(C/A)
44065	CadSNP19660	<i>Desi</i>	Ca_Desig_denovo	22463611	(T/G)
44066	CadSNP19661	<i>Desi</i>	Ca_Desig_denovo	22464442	(G/A)
44067	CadSNP19662	<i>Desi</i>	Ca_Desig_denovo	22477125	(C/A)
44068	CadSNP19663	<i>Desi</i>	Ca_Desig_denovo	22477145	(C/A)
44069	CadSNP19664	<i>Desi</i>	Ca_Desig_denovo	22482051	(G/A)
44070	CadSNP19665	<i>Desi</i>	Ca_Desig_denovo	22482075	(T/C)
44071	CadSNP19666	<i>Desi</i>	Ca_Desig_denovo	22482399	(G/A)
44072	CadSNP19667	<i>Desi</i>	Ca_Desig_denovo	22482403	(C/G)
44073	CadSNP19668	<i>Desi</i>	Ca_Desig_denovo	22482452	(A/G)
44074	CadSNP19669	<i>Desi</i>	Ca_Desig_denovo	22486105	(T/C)
44075	CadSNP19670	<i>Desi</i>	Ca_Desig_denovo	22486167	(A/G)
44076	CadSNP19671	<i>Desi</i>	Ca_Desig_denovo	22488741	(T/C)
44077	CadSNP19672	<i>Desi</i>	Ca_Desig_denovo	22497053	(C/T)
44078	CadSNP19673	<i>Desi</i>	Ca_Desig_denovo	22497558	(A/G)
44079	CadSNP19674	<i>Desi</i>	Ca_Desig_denovo	22497815	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44080	CadSNP19675	<i>Desi</i>	Ca_Desig_denovo	22505724	(A/T)
44081	CadSNP19676	<i>Desi</i>	Ca_Desig_denovo	22510360	(A/T)
44082	CadSNP19677	<i>Desi</i>	Ca_Desig_denovo	22510361	(C/T)
44083	CadSNP19678	<i>Desi</i>	Ca_Desig_denovo	22516836	(C/T)
44084	CadSNP19679	<i>Desi</i>	Ca_Desig_denovo	22521805	(T/C)
44085	CadSNP19680	<i>Desi</i>	Ca_Desig_denovo	22523695	(C/A)
44086	CadSNP19681	<i>Desi</i>	Ca_Desig_denovo	22523701	(G/C)
44087	CadSNP19682	<i>Desi</i>	Ca_Desig_denovo	22526344	(G/A)
44088	CadSNP19683	<i>Desi</i>	Ca_Desig_denovo	22526366	(A/C)
44089	CadSNP19684	<i>Desi</i>	Ca_Desig_denovo	22529207	(T/C)
44090	CadSNP19685	<i>Desi</i>	Ca_Desig_denovo	22530391	(A/G)
44091	CadSNP19686	<i>Desi</i>	Ca_Desig_denovo	22530392	(T/C)
44092	CadSNP19687	<i>Desi</i>	Ca_Desig_denovo	22539121	(C/T)
44093	CadSNP19688	<i>Desi</i>	Ca_Desig_denovo	22539175	(G/A)
44094	CadSNP19689	<i>Desi</i>	Ca_Desig_denovo	22557872	(T/G)
44095	CadSNP19690	<i>Desi</i>	Ca_Desig_denovo	22564067	(C/T)
44096	CadSNP19691	<i>Desi</i>	Ca_Desig_denovo	22564113	(T/G)
44097	CadSNP19692	<i>Desi</i>	Ca_Desig_denovo	22568731	(C/T)
44098	CadSNP19693	<i>Desi</i>	Ca_Desig_denovo	22568745	(T/C)
44099	CadSNP19694	<i>Desi</i>	Ca_Desig_denovo	22572706	(G/A)
44100	CadSNP19695	<i>Desi</i>	Ca_Desig_denovo	22576745	(G/C)
44101	CadSNP19696	<i>Desi</i>	Ca_Desig_denovo	22576752	(G/C)
44102	CadSNP19697	<i>Desi</i>	Ca_Desig_denovo	22579672	(A/G)
44103	CadSNP19698	<i>Desi</i>	Ca_Desig_denovo	22579698	(T/C)
44104	CadSNP19699	<i>Desi</i>	Ca_Desig_denovo	22580474	(G/C)
44105	CadSNP19700	<i>Desi</i>	Ca_Desig_denovo	22583013	(G/C)
44106	CadSNP19701	<i>Desi</i>	Ca_Desig_denovo	22583034	(G/T)
44107	CadSNP19702	<i>Desi</i>	Ca_Desig_denovo	22583671	(T/C)
44108	CadSNP19703	<i>Desi</i>	Ca_Desig_denovo	22587675	(C/T)
44109	CadSNP19704	<i>Desi</i>	Ca_Desig_denovo	22589896	(C/T)
44110	CadSNP19705	<i>Desi</i>	Ca_Desig_denovo	22589923	(G/C)
44111	CadSNP19706	<i>Desi</i>	Ca_Desig_denovo	22590316	(A/G)
44112	CadSNP19707	<i>Desi</i>	Ca_Desig_denovo	22590337	(G/C)
44113	CadSNP19708	<i>Desi</i>	Ca_Desig_denovo	22600792	(G/C)
44114	CadSNP19709	<i>Desi</i>	Ca_Desig_denovo	22600813	(C/G)
44115	CadSNP19710	<i>Desi</i>	Ca_Desig_denovo	22608893	(A/G)
44116	CadSNP19711	<i>Desi</i>	Ca_Desig_denovo	22620608	(A/G)
44117	CadSNP19712	<i>Desi</i>	Ca_Desig_denovo	22620620	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44118	CadSNP19713	<i>Desi</i>	Ca_Desig_denovo	22625208	(T/G)
44119	CadSNP19714	<i>Desi</i>	Ca_Desig_denovo	22625214	(T/A)
44120	CadSNP19715	<i>Desi</i>	Ca_Desig_denovo	22626869	(T/C)
44121	CadSNP19716	<i>Desi</i>	Ca_Desig_denovo	22629000	(A/G)
44122	CadSNP19717	<i>Desi</i>	Ca_Desig_denovo	22629009	(A/G)
44123	CadSNP19718	<i>Desi</i>	Ca_Desig_denovo	22636236	(G/C)
44124	CadSNP19719	<i>Desi</i>	Ca_Desig_denovo	22636256	(C/T)
44125	CadSNP19720	<i>Desi</i>	Ca_Desig_denovo	22638253	(C/T)
44126	CadSNP19721	<i>Desi</i>	Ca_Desig_denovo	22644694	(C/A)
44127	CadSNP19722	<i>Desi</i>	Ca_Desig_denovo	22646929	(G/A)
44128	CadSNP19723	<i>Desi</i>	Ca_Desig_denovo	22646944	(C/G)
44129	CadSNP19724	<i>Desi</i>	Ca_Desig_denovo	22647525	(A/G)
44130	CadSNP19725	<i>Desi</i>	Ca_Desig_denovo	22651130	(T/G)
44131	CadSNP19726	<i>Desi</i>	Ca_Desig_denovo	22651173	(G/C)
44132	CadSNP19727	<i>Desi</i>	Ca_Desig_denovo	22651541	(T/C)
44133	CadSNP19728	<i>Desi</i>	Ca_Desig_denovo	22651542	(T/C)
44134	CadSNP19729	<i>Desi</i>	Ca_Desig_denovo	22663974	(T/C)
44135	CadSNP19730	<i>Desi</i>	Ca_Desig_denovo	22665774	(A/C)
44136	CadSNP19731	<i>Desi</i>	Ca_Desig_denovo	22665775	(G/C)
44137	CadSNP19732	<i>Desi</i>	Ca_Desig_denovo	22665904	(T/C)
44138	CadSNP19733	<i>Desi</i>	Ca_Desig_denovo	22665916	(C/A)
44139	CadSNP19734	<i>Desi</i>	Ca_Desig_denovo	22668040	(A/G)
44140	CadSNP19735	<i>Desi</i>	Ca_Desig_denovo	22668100	(G/A)
44141	CadSNP19736	<i>Desi</i>	Ca_Desig_denovo	22675406	(T/C)
44142	CadSNP19737	<i>Desi</i>	Ca_Desig_denovo	22687167	(A/T)
44143	CadSNP19738	<i>Desi</i>	Ca_Desig_denovo	22692410	(G/C)
44144	CadSNP19739	<i>Desi</i>	Ca_Desig_denovo	22693234	(G/C)
44145	CadSNP19740	<i>Desi</i>	Ca_Desig_denovo	22693281	(T/C)
44146	CadSNP19741	<i>Desi</i>	Ca_Desig_denovo	22695405	(C/T)
44147	CadSNP19742	<i>Desi</i>	Ca_Desig_denovo	22705994	(A/G)
44148	CadSNP19743	<i>Desi</i>	Ca_Desig_denovo	22710088	(A/G)
44149	CadSNP19744	<i>Desi</i>	Ca_Desig_denovo	22710149	(A/G)
44150	CadSNP19745	<i>Desi</i>	Ca_Desig_denovo	22710520	(C/G)
44151	CadSNP19746	<i>Desi</i>	Ca_Desig_denovo	22710524	(T/C)
44152	CadSNP19747	<i>Desi</i>	Ca_Desig_denovo	22710802	(C/T)
44153	CadSNP19748	<i>Desi</i>	Ca_Desig_denovo	22710805	(G/C)
44154	CadSNP19749	<i>Desi</i>	Ca_Desig_denovo	22720445	(A/G)
44155	CadSNP19750	<i>Desi</i>	Ca_Desig_denovo	22727731	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44156	CadSNP19751	<i>Desi</i>	Ca_Desig_denovo	22727800	(T/C)
44157	CadSNP19752	<i>Desi</i>	Ca_Desig_denovo	22731502	(A/C)
44158	CadSNP19753	<i>Desi</i>	Ca_Desig_denovo	22733909	(A/G)
44159	CadSNP19754	<i>Desi</i>	Ca_Desig_denovo	22733942	(A/C)
44160	CadSNP19755	<i>Desi</i>	Ca_Desig_denovo	22733943	(G/C)
44161	CadSNP19756	<i>Desi</i>	Ca_Desig_denovo	22736873	(A/G)
44162	CadSNP19757	<i>Desi</i>	Ca_Desig_denovo	22743091	(T/C)
44163	CadSNP19758	<i>Desi</i>	Ca_Desig_denovo	22761719	(A/G)
44164	CadSNP19759	<i>Desi</i>	Ca_Desig_denovo	22763714	(A/C)
44165	CadSNP19760	<i>Desi</i>	Ca_Desig_denovo	22763771	(G/A)
44166	CadSNP19761	<i>Desi</i>	Ca_Desig_denovo	22768459	(G/A)
44167	CadSNP19762	<i>Desi</i>	Ca_Desig_denovo	22768468	(C/A)
44168	CadSNP19763	<i>Desi</i>	Ca_Desig_denovo	22769552	(C/G)
44169	CadSNP19764	<i>Desi</i>	Ca_Desig_denovo	22769554	(A/G)
44170	CadSNP19765	<i>Desi</i>	Ca_Desig_denovo	22773639	(C/A)
44171	CadSNP19766	<i>Desi</i>	Ca_Desig_denovo	22778046	(C/T)
44172	CadSNP19767	<i>Desi</i>	Ca_Desig_denovo	22778100	(T/C)
44173	CadSNP19768	<i>Desi</i>	Ca_Desig_denovo	22778431	(A/G)
44174	CadSNP19769	<i>Desi</i>	Ca_Desig_denovo	22778434	(A/G)
44175	CadSNP19770	<i>Desi</i>	Ca_Desig_denovo	22787155	(A/G)
44176	CadSNP19771	<i>Desi</i>	Ca_Desig_denovo	22788011	(C/G)
44177	CadSNP19772	<i>Desi</i>	Ca_Desig_denovo	22789964	(G/C)
44178	CadSNP19773	<i>Desi</i>	Ca_Desig_denovo	22797238	(T/C)
44179	CadSNP19774	<i>Desi</i>	Ca_Desig_denovo	22802867	(C/A)
44180	CadSNP19775	<i>Desi</i>	Ca_Desig_denovo	22807280	(A/C)
44181	CadSNP19776	<i>Desi</i>	Ca_Desig_denovo	22814040	(T/C)
44182	CadSNP19777	<i>Desi</i>	Ca_Desig_denovo	22814081	(C/G)
44183	CadSNP19778	<i>Desi</i>	Ca_Desig_denovo	22820921	(G/A)
44184	CadSNP19779	<i>Desi</i>	Ca_Desig_denovo	22824838	(C/T)
44185	CadSNP19780	<i>Desi</i>	Ca_Desig_denovo	22828140	(C/G)
44186	CadSNP19781	<i>Desi</i>	Ca_Desig_denovo	22828996	(A/G)
44187	CadSNP19782	<i>Desi</i>	Ca_Desig_denovo	22831129	(A/G)
44188	CadSNP19783	<i>Desi</i>	Ca_Desig_denovo	22831550	(T/C)
44189	CadSNP19784	<i>Desi</i>	Ca_Desig_denovo	22831586	(A/G)
44190	CadSNP19785	<i>Desi</i>	Ca_Desig_denovo	22834265	(A/G)
44191	CadSNP19786	<i>Desi</i>	Ca_Desig_denovo	22834903	(C/G)
44192	CadSNP19787	<i>Desi</i>	Ca_Desig_denovo	22834908	(A/C)
44193	CadSNP19788	<i>Desi</i>	Ca_Desig_denovo	22835807	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44194	CadSNP19789	<i>Desi</i>	Ca_Desig_denovo	22838690	(C/T)
44195	CadSNP19790	<i>Desi</i>	Ca_Desig_denovo	22838754	(A/C)
44196	CadSNP19791	<i>Desi</i>	Ca_Desig_denovo	22838755	(A/G)
44197	CadSNP19792	<i>Desi</i>	Ca_Desig_denovo	22859716	(G/T)
44198	CadSNP19793	<i>Desi</i>	Ca_Desig_denovo	22859719	(T/G)
44199	CadSNP19794	<i>Desi</i>	Ca_Desig_denovo	22859883	(A/G)
44200	CadSNP19795	<i>Desi</i>	Ca_Desig_denovo	22859884	(G/A)
44201	CadSNP19796	<i>Desi</i>	Ca_Desig_denovo	22859886	(C/G)
44202	CadSNP19797	<i>Desi</i>	Ca_Desig_denovo	22859898	(T/G)
44203	CadSNP19798	<i>Desi</i>	Ca_Desig_denovo	22859899	(T/A)
44204	CadSNP19799	<i>Desi</i>	Ca_Desig_denovo	22859901	(A/G)
44205	CadSNP19800	<i>Desi</i>	Ca_Desig_denovo	22859902	(G/A)
44206	CadSNP19801	<i>Desi</i>	Ca_Desig_denovo	22859904	(A/G)
44207	CadSNP19802	<i>Desi</i>	Ca_Desig_denovo	22876155	(T/C)
44208	CadSNP19803	<i>Desi</i>	Ca_Desig_denovo	22876209	(A/G)
44209	CadSNP19804	<i>Desi</i>	Ca_Desig_denovo	22899172	(C/T)
44210	CadSNP19805	<i>Desi</i>	Ca_Desig_denovo	22899190	(G/T)
44211	CadSNP19806	<i>Desi</i>	Ca_Desig_denovo	22919021	(C/A)
44212	CadSNP19807	<i>Desi</i>	Ca_Desig_denovo	22919032	(T/C)
44213	CadSNP19808	<i>Desi</i>	Ca_Desig_denovo	22921739	(C/G)
44214	CadSNP19809	<i>Desi</i>	Ca_Desig_denovo	22921754	(G/A)
44215	CadSNP19810	<i>Desi</i>	Ca_Desig_denovo	22926107	(C/T)
44216	CadSNP19811	<i>Desi</i>	Ca_Desig_denovo	22926126	(C/T)
44217	CadSNP19812	<i>Desi</i>	Ca_Desig_denovo	22935631	(A/G)
44218	CadSNP19813	<i>Desi</i>	Ca_Desig_denovo	22935648	(C/T)
44219	CadSNP19814	<i>Desi</i>	Ca_Desig_denovo	22947596	(A/G)
44220	CadSNP19815	<i>Desi</i>	Ca_Desig_denovo	22947614	(T/G)
44221	CadSNP19816	<i>Desi</i>	Ca_Desig_denovo	22971223	(C/T)
44222	CadSNP19817	<i>Desi</i>	Ca_Desig_denovo	22971235	(A/G)
44223	CadSNP19818	<i>Desi</i>	Ca_Desig_denovo	23046661	(C/T)
44224	CadSNP19819	<i>Desi</i>	Ca_Desig_denovo	23052686	(G/A)
44225	CadSNP19820	<i>Desi</i>	Ca_Desig_denovo	23072864	(A/G)
44226	CadSNP19821	<i>Desi</i>	Ca_Desig_denovo	23081707	(G/A)
44227	CadSNP19822	<i>Desi</i>	Ca_Desig_denovo	23081715	(G/C)
44228	CadSNP19823	<i>Desi</i>	Ca_Desig_denovo	23116339	(G/A)
44229	CadSNP19824	<i>Desi</i>	Ca_Desig_denovo	23162329	(G/C)
44230	CadSNP19825	<i>Desi</i>	Ca_Desig_denovo	23162350	(T/C)
44231	CadSNP19826	<i>Desi</i>	Ca_Desig_denovo	23227232	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44232	CadSNP19827	<i>Desi</i>	Ca_Desig_denovo	23227265	(C/T)
44233	CadSNP19828	<i>Desi</i>	Ca_Desig_denovo	23240643	(C/A)
44234	CadSNP19829	<i>Desi</i>	Ca_Desig_denovo	23263123	(T/C)
44235	CadSNP19830	<i>Desi</i>	Ca_Desig_denovo	23263138	(T/C)
44236	CadSNP19831	<i>Desi</i>	Ca_Desig_denovo	23310969	(C/T)
44237	CadSNP19832	<i>Desi</i>	Ca_Desig_denovo	23310970	(A/G)
44238	CadSNP19833	<i>Desi</i>	Ca_Desig_denovo	23342023	(G/C)
44239	CadSNP19834	<i>Desi</i>	Ca_Desig_denovo	23344169	(G/A)
44240	CadSNP19835	<i>Desi</i>	Ca_Desig_denovo	23344187	(G/A)
44241	CadSNP19836	<i>Desi</i>	Ca_Desig_denovo	23373063	(C/G)
44242	CadSNP19837	<i>Desi</i>	Ca_Desig_denovo	23407592	(T/C)
44243	CadSNP19838	<i>Desi</i>	Ca_Desig_denovo	23407595	(T/C)
44244	CadSNP19839	<i>Desi</i>	Ca_Desig_denovo	23413895	(C/T)
44245	CadSNP19840	<i>Desi</i>	Ca_Desig_denovo	23413939	(C/T)
44246	CadSNP19841	<i>Desi</i>	Ca_Desig_denovo	23430884	(A/C)
44247	CadSNP19842	<i>Desi</i>	Ca_Desig_denovo	23430886	(A/G)
44248	CadSNP19843	<i>Desi</i>	Ca_Desig_denovo	23447199	(C/T)
44249	CadSNP19844	<i>Desi</i>	Ca_Desig_denovo	23452949	(C/G)
44250	CadSNP19845	<i>Desi</i>	Ca_Desig_denovo	23465236	(C/A)
44251	CadSNP19846	<i>Desi</i>	Ca_Desig_denovo	23465282	(G/C)
44252	CadSNP19847	<i>Desi</i>	Ca_Desig_denovo	23503027	(A/G)
44253	CadSNP19848	<i>Desi</i>	Ca_Desig_denovo	23533585	(A/G)
44254	CadSNP19849	<i>Desi</i>	Ca_Desig_denovo	23533645	(A/G)
44255	CadSNP19850	<i>Desi</i>	Ca_Desig_denovo	23545684	(C/G)
44256	CadSNP19851	<i>Desi</i>	Ca_Desig_denovo	23545727	(A/C)
44257	CadSNP19852	<i>Desi</i>	Ca_Desig_denovo	23577118	(C/G)
44258	CadSNP19853	<i>Desi</i>	Ca_Desig_denovo	23577121	(C/T)
44259	CadSNP19854	<i>Desi</i>	Ca_Desig_denovo	23587425	(A/G)
44260	CadSNP19855	<i>Desi</i>	Ca_Desig_denovo	23602031	(C/T)
44261	CadSNP19856	<i>Desi</i>	Ca_Desig_denovo	23654085	(A/C)
44262	CadSNP19857	<i>Desi</i>	Ca_Desig_denovo	23693366	(A/G)
44263	CadSNP19858	<i>Desi</i>	Ca_Desig_denovo	23693372	(C/G)
44264	CadSNP19859	<i>Desi</i>	Ca_Desig_denovo	23718931	(C/T)
44265	CadSNP19860	<i>Desi</i>	Ca_Desig_denovo	23718997	(G/A)
44266	CadSNP19861	<i>Desi</i>	Ca_Desig_denovo	23863622	(C/G)
44267	CadSNP19862	<i>Desi</i>	Ca_Desig_denovo	23863653	(C/T)
44268	CadSNP19863	<i>Desi</i>	Ca_Desig_denovo	23866421	(G/C)
44269	CadSNP19864	<i>Desi</i>	Ca_Desig_denovo	23866439	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44270	CadSNP19865	<i>Desi</i>	Ca_Desig_denovo	23905431	(C/T)
44271	CadSNP19866	<i>Desi</i>	Ca_Desig_denovo	23905441	(G/T)
44272	CadSNP19867	<i>Desi</i>	Ca_Desig_denovo	23945836	(C/T)
44273	CadSNP19868	<i>Desi</i>	Ca_Desig_denovo	23948296	(A/G)
44274	CadSNP19869	<i>Desi</i>	Ca_Desig_denovo	23963909	(G/C)
44275	CadSNP19870	<i>Desi</i>	Ca_Desig_denovo	23995603	(A/G)
44276	CadSNP19871	<i>Desi</i>	Ca_Desig_denovo	23995619	(A/T)
44277	CadSNP19872	<i>Desi</i>	Ca_Desig_denovo	24002753	(G/T)
44278	CadSNP19873	<i>Desi</i>	Ca_Desig_denovo	24002801	(A/G)
44279	CadSNP19874	<i>Desi</i>	Ca_Desig_denovo	24057798	(A/C)
44280	CadSNP19875	<i>Desi</i>	Ca_Desig_denovo	24100136	(A/C)
44281	CadSNP19876	<i>Desi</i>	Ca_Desig_denovo	24163468	(T/G)
44282	CadSNP19877	<i>Desi</i>	Ca_Desig_denovo	24170531	(C/T)
44283	CadSNP19878	<i>Desi</i>	Ca_Desig_denovo	24170601	(G/T)
44284	CadSNP19879	<i>Desi</i>	Ca_Desig_denovo	24181404	(C/G)
44285	CadSNP19880	<i>Desi</i>	Ca_Desig_denovo	24181446	(A/C)
44286	CadSNP19881	<i>Desi</i>	Ca_Desig_denovo	24207542	(T/G)
44287	CadSNP19882	<i>Desi</i>	Ca_Desig_denovo	24247621	(A/G)
44288	CadSNP19883	<i>Desi</i>	Ca_Desig_denovo	24247670	(T/G)
44289	CadSNP19884	<i>Desi</i>	Ca_Desig_denovo	24266248	(T/C)
44290	CadSNP19885	<i>Desi</i>	Ca_Desig_denovo	24266276	(G/A)
44291	CadSNP19886	<i>Desi</i>	Ca_Desig_denovo	24277219	(G/T)
44292	CadSNP19887	<i>Desi</i>	Ca_Desig_denovo	24277231	(C/G)
44293	CadSNP19888	<i>Desi</i>	Ca_Desig_denovo	24283472	(C/G)
44294	CadSNP19889	<i>Desi</i>	Ca_Desig_denovo	24287094	(T/C)
44295	CadSNP19890	<i>Desi</i>	Ca_Desig_denovo	24287154	(C/G)
44296	CadSNP19891	<i>Desi</i>	Ca_Desig_denovo	24291515	(C/T)
44297	CadSNP19892	<i>Desi</i>	Ca_Desig_denovo	24291524	(A/G)
44298	CadSNP19893	<i>Desi</i>	Ca_Desig_denovo	24326761	(G/A)
44299	CadSNP19894	<i>Desi</i>	Ca_Desig_denovo	24326800	(G/A)
44300	CadSNP19895	<i>Desi</i>	Ca_Desig_denovo	24334139	(G/A)
44301	CadSNP19896	<i>Desi</i>	Ca_Desig_denovo	24442955	(T/C)
44302	CadSNP19897	<i>Desi</i>	Ca_Desig_denovo	24476248	(C/T)
44303	CadSNP19898	<i>Desi</i>	Ca_Desig_denovo	24534094	(G/C)
44304	CadSNP19899	<i>Desi</i>	Ca_Desig_denovo	24534113	(C/T)
44305	CadSNP19900	<i>Desi</i>	Ca_Desig_denovo	24539082	(C/A)
44306	CadSNP19901	<i>Desi</i>	Ca_Desig_denovo	24604948	(C/T)
44307	CadSNP19902	<i>Desi</i>	Ca_Desig_denovo	24731128	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44308	CadSNP19903	<i>Desi</i>	Ca_Desig_denovo	24731140	(C/A)
44309	CadSNP19904	<i>Desi</i>	Ca_Desig_denovo	24731158	(G/A)
44310	CadSNP19905	<i>Desi</i>	Ca_Desig_denovo	24753020	(G/A)
44311	CadSNP19906	<i>Desi</i>	Ca_Desig_denovo	24806046	(C/G)
44312	CadSNP19907	<i>Desi</i>	Ca_Desig_denovo	24815788	(C/G)
44313	CadSNP19908	<i>Desi</i>	Ca_Desig_denovo	24822181	(G/A)
44314	CadSNP19909	<i>Desi</i>	Ca_Desig_denovo	24822187	(T/C)
44315	CadSNP19910	<i>Desi</i>	Ca_Desig_denovo	24831116	(C/T)
44316	CadSNP19911	<i>Desi</i>	Ca_Desig_denovo	24837758	(A/G)
44317	CadSNP19912	<i>Desi</i>	Ca_Desig_denovo	24853793	(G/A)
44318	CadSNP19913	<i>Desi</i>	Ca_Desig_denovo	24854190	(G/A)
44319	CadSNP19914	<i>Desi</i>	Ca_Desig_denovo	24854214	(C/T)
44320	CadSNP19915	<i>Desi</i>	Ca_Desig_denovo	24860301	(A/G)
44321	CadSNP19916	<i>Desi</i>	Ca_Desig_denovo	24861054	(T/C)
44322	CadSNP19917	<i>Desi</i>	Ca_Desig_denovo	24861109	(T/G)
44323	CadSNP19918	<i>Desi</i>	Ca_Desig_denovo	24862642	(T/C)
44324	CadSNP19919	<i>Desi</i>	Ca_Desig_denovo	24862685	(A/C)
44325	CadSNP19920	<i>Desi</i>	Ca_Desig_denovo	24867306	(G/A)
44326	CadSNP19921	<i>Desi</i>	Ca_Desig_denovo	24881375	(G/A)
44327	CadSNP19922	<i>Desi</i>	Ca_Desig_denovo	24881381	(C/T)
44328	CadSNP19923	<i>Desi</i>	Ca_Desig_denovo	24881627	(C/T)
44329	CadSNP19924	<i>Desi</i>	Ca_Desig_denovo	24912986	(C/G)
44330	CadSNP19925	<i>Desi</i>	Ca_Desig_denovo	25033757	(A/G)
44331	CadSNP19926	<i>Desi</i>	Ca_Desig_denovo	25033787	(G/T)
44332	CadSNP19927	<i>Desi</i>	Ca_Desig_denovo	25042059	(A/G)
44333	CadSNP19928	<i>Desi</i>	Ca_Desig_denovo	25042098	(G/A)
44334	CadSNP19929	<i>Desi</i>	Ca_Desig_denovo	25052285	(C/T)
44335	CadSNP19930	<i>Desi</i>	Ca_Desig_denovo	25052294	(G/A)
44336	CadSNP19931	<i>Desi</i>	Ca_Desig_denovo	25052306	(G/A)
44337	CadSNP19932	<i>Desi</i>	Ca_Desig_denovo	25061107	(T/C)
44338	CadSNP19933	<i>Desi</i>	Ca_Desig_denovo	25061123	(A/C)
44339	CadSNP19934	<i>Desi</i>	Ca_Desig_denovo	25073189	(C/A)
44340	CadSNP19935	<i>Desi</i>	Ca_Desig_denovo	25073237	(C/A)
44341	CadSNP19936	<i>Desi</i>	Ca_Desig_denovo	25104814	(G/A)
44342	CadSNP19937	<i>Desi</i>	Ca_Desig_denovo	25104880	(G/A)
44343	CadSNP19938	<i>Desi</i>	Ca_Desig_denovo	25112731	(C/T)
44344	CadSNP19939	<i>Desi</i>	Ca_Desig_denovo	25112767	(T/A)
44345	CadSNP19940	<i>Desi</i>	Ca_Desig_denovo	25145277	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44346	CadSNP19941	<i>Desi</i>	Ca_Desig_denovo	25187079	(T/G)
44347	CadSNP19942	<i>Desi</i>	Ca_Desig_denovo	25216988	(A/G)
44348	CadSNP19943	<i>Desi</i>	Ca_Desig_denovo	25391621	(C/G)
44349	CadSNP19944	<i>Desi</i>	Ca_Desig_denovo	25444182	(C/T)
44350	CadSNP19945	<i>Desi</i>	Ca_Desig_denovo	25475435	(A/C)
44351	CadSNP19946	<i>Desi</i>	Ca_Desig_denovo	25475455	(C/A)
44352	CadSNP19947	<i>Desi</i>	Ca_Desig_denovo	25521380	(T/C)
44353	CadSNP19948	<i>Desi</i>	Ca_Desig_denovo	25521387	(G/A)
44354	CadSNP19949	<i>Desi</i>	Ca_Desig_denovo	25551716	(A/G)
44355	CadSNP19950	<i>Desi</i>	Ca_Desig_denovo	25592340	(C/T)
44356	CadSNP19951	<i>Desi</i>	Ca_Desig_denovo	25666814	(G/A)
44357	CadSNP19952	<i>Desi</i>	Ca_Desig_denovo	25667486	(T/C)
44358	CadSNP19953	<i>Desi</i>	Ca_Desig_denovo	25667522	(C/T)
44359	CadSNP19954	<i>Desi</i>	Ca_Desig_denovo	25685974	(C/G)
44360	CadSNP19955	<i>Desi</i>	Ca_Desig_denovo	25685996	(A/G)
44361	CadSNP19956	<i>Desi</i>	Ca_Desig_denovo	25710067	(G/A)
44362	CadSNP19957	<i>Desi</i>	Ca_Desig_denovo	25733345	(T/C)
44363	CadSNP19958	<i>Desi</i>	Ca_Desig_denovo	25733350	(C/G)
44364	CadSNP19959	<i>Desi</i>	Ca_Desig_denovo	25756029	(C/T)
44365	CadSNP19960	<i>Desi</i>	Ca_Desig_denovo	25756044	(C/T)
44366	CadSNP19961	<i>Desi</i>	Ca_Desig_denovo	25773098	(T/C)
44367	CadSNP19962	<i>Desi</i>	Ca_Desig_denovo	25773113	(C/G)
44368	CadSNP19963	<i>Desi</i>	Ca_Desig_denovo	25842503	(A/G)
44369	CadSNP19964	<i>Desi</i>	Ca_Desig_denovo	25850129	(G/C)
44370	CadSNP19965	<i>Desi</i>	Ca_Desig_denovo	25850135	(T/C)
44371	CadSNP19966	<i>Desi</i>	Ca_Desig_denovo	25859411	(G/T)
44372	CadSNP19967	<i>Desi</i>	Ca_Desig_denovo	25859414	(T/C)
44373	CadSNP19968	<i>Desi</i>	Ca_Desig_denovo	25927400	(G/C)
44374	CadSNP19969	<i>Desi</i>	Ca_Desig_denovo	25927445	(C/G)
44375	CadSNP19970	<i>Desi</i>	Ca_Desig_denovo	25972266	(C/T)
44376	CadSNP19971	<i>Desi</i>	Ca_Desig_denovo	25972273	(G/A)
44377	CadSNP19972	<i>Desi</i>	Ca_Desig_denovo	25998363	(C/T)
44378	CadSNP19973	<i>Desi</i>	Ca_Desig_denovo	25998371	(G/A)
44379	CadSNP19974	<i>Desi</i>	Ca_Desig_denovo	26009730	(A/G)
44380	CadSNP19975	<i>Desi</i>	Ca_Desig_denovo	26039688	(A/G)
44381	CadSNP19976	<i>Desi</i>	Ca_Desig_denovo	26039691	(G/C)
44382	CadSNP19977	<i>Desi</i>	Ca_Desig_denovo	26100853	(C/T)
44383	CadSNP19978	<i>Desi</i>	Ca_Desig_denovo	26135100	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44384	CadSNP19979	<i>Desi</i>	Ca_Desig_denovo	26196545	(A/G)
44385	CadSNP19980	<i>Desi</i>	Ca_Desig_denovo	26252372	(A/G)
44386	CadSNP19981	<i>Desi</i>	Ca_Desig_denovo	26252382	(C/T)
44387	CadSNP19982	<i>Desi</i>	Ca_Desig_denovo	26280725	(G/A)
44388	CadSNP19983	<i>Desi</i>	Ca_Desig_denovo	26343187	(G/C)
44389	CadSNP19984	<i>Desi</i>	Ca_Desig_denovo	26343215	(A/G)
44390	CadSNP19985	<i>Desi</i>	Ca_Desig_denovo	26371915	(T/C)
44391	CadSNP19986	<i>Desi</i>	Ca_Desig_denovo	26401144	(C/T)
44392	CadSNP19987	<i>Desi</i>	Ca_Desig_denovo	26479736	(C/T)
44393	CadSNP19988	<i>Desi</i>	Ca_Desig_denovo	26479751	(A/G)
44394	CadSNP19989	<i>Desi</i>	Ca_Desig_denovo	26480975	(A/G)
44395	CadSNP19990	<i>Desi</i>	Ca_Desig_denovo	26495818	(C/T)
44396	CadSNP19991	<i>Desi</i>	Ca_Desig_denovo	26495856	(G/A)
44397	CadSNP19992	<i>Desi</i>	Ca_Desig_denovo	26543603	(T/G)
44398	CadSNP19993	<i>Desi</i>	Ca_Desig_denovo	26543609	(C/T)
44399	CadSNP19994	<i>Desi</i>	Ca_Desig_denovo	26554031	(G/A)
44400	CadSNP19995	<i>Desi</i>	Ca_Desig_denovo	26563739	(T/C)
44401	CadSNP19996	<i>Desi</i>	Ca_Desig_denovo	26571889	(A/G)
44402	CadSNP19997	<i>Desi</i>	Ca_Desig_denovo	26571919	(T/G)
44403	CadSNP19998	<i>Desi</i>	Ca_Desig_denovo	26633069	(G/A)
44404	CadSNP19999	<i>Desi</i>	Ca_Desig_denovo	26633077	(C/T)
44405	CadSNP20000	<i>Desi</i>	Ca_Desig_denovo	26639322	(G/A)
44406	CadSNP20001	<i>Desi</i>	Ca_Desig_denovo	26639358	(T/C)
44407	CadSNP20002	<i>Desi</i>	Ca_Desig_denovo	26642662	(A/C)
44408	CadSNP20003	<i>Desi</i>	Ca_Desig_denovo	26642683	(C/T)
44409	CadSNP20004	<i>Desi</i>	Ca_Desig_denovo	26680559	(G/C)
44410	CadSNP20005	<i>Desi</i>	Ca_Desig_denovo	26697806	(T/G)
44411	CadSNP20006	<i>Desi</i>	Ca_Desig_denovo	26697815	(G/A)
44412	CadSNP20007	<i>Desi</i>	Ca_Desig_denovo	26704581	(A/T)
44413	CadSNP20008	<i>Desi</i>	Ca_Desig_denovo	26704595	(C/T)
44414	CadSNP20009	<i>Desi</i>	Ca_Desig_denovo	26723286	(G/A)
44415	CadSNP20010	<i>Desi</i>	Ca_Desig_denovo	26730350	(T/C)
44416	CadSNP20011	<i>Desi</i>	Ca_Desig_denovo	26730371	(G/A)
44417	CadSNP20012	<i>Desi</i>	Ca_Desig_denovo	26735864	(G/T)
44418	CadSNP20013	<i>Desi</i>	Ca_Desig_denovo	26735904	(G/A)
44419	CadSNP20014	<i>Desi</i>	Ca_Desig_denovo	26751836	(A/C)
44420	CadSNP20015	<i>Desi</i>	Ca_Desig_denovo	26751838	(A/G)
44421	CadSNP20016	<i>Desi</i>	Ca_Desig_denovo	26757155	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44422	CadSNP20017	<i>Desi</i>	Ca_Desig_denovo	26757157	(T/G)
44423	CadSNP20018	<i>Desi</i>	Ca_Desig_denovo	26785152	(C/G)
44424	CadSNP20019	<i>Desi</i>	Ca_Desig_denovo	26785156	(G/T)
44425	CadSNP20020	<i>Desi</i>	Ca_Desig_denovo	26803334	(C/G)
44426	CadSNP20021	<i>Desi</i>	Ca_Desig_denovo	26826989	(G/A)
44427	CadSNP20022	<i>Desi</i>	Ca_Desig_denovo	26827058	(A/C)
44428	CadSNP20023	<i>Desi</i>	Ca_Desig_denovo	26841091	(G/C)
44429	CadSNP20024	<i>Desi</i>	Ca_Desig_denovo	26853708	(A/G)
44430	CadSNP20025	<i>Desi</i>	Ca_Desig_denovo	26887904	(A/G)
44431	CadSNP20026	<i>Desi</i>	Ca_Desig_denovo	26909014	(G/C)
44432	CadSNP20027	<i>Desi</i>	Ca_Desig_denovo	26913587	(G/C)
44433	CadSNP20028	<i>Desi</i>	Ca_Desig_denovo	27089069	(A/G)
44434	CadSNP20029	<i>Desi</i>	Ca_Desig_denovo	27089075	(G/C)
44435	CadSNP20030	<i>Desi</i>	Ca_Desig_denovo	27125420	(T/C)
44436	CadSNP20031	<i>Desi</i>	Ca_Desig_denovo	27125473	(C/T)
44437	CadSNP20032	<i>Desi</i>	Ca_Desig_denovo	27143552	(C/G)
44438	CadSNP20033	<i>Desi</i>	Ca_Desig_denovo	27150947	(T/G)
44439	CadSNP20034	<i>Desi</i>	Ca_Desig_denovo	27207161	(C/T)
44440	CadSNP20035	<i>Desi</i>	Ca_Desig_denovo	27207206	(G/A)
44441	CadSNP20036	<i>Desi</i>	Ca_Desig_denovo	27210979	(T/C)
44442	CadSNP20037	<i>Desi</i>	Ca_Desig_denovo	27210982	(G/A)
44443	CadSNP20038	<i>Desi</i>	Ca_Desig_denovo	27254047	(A/G)
44444	CadSNP20039	<i>Desi</i>	Ca_Desig_denovo	27254095	(A/G)
44445	CadSNP20040	<i>Desi</i>	Ca_Desig_denovo	27268072	(C/G)
44446	CadSNP20041	<i>Desi</i>	Ca_Desig_denovo	27268084	(A/C)
44447	CadSNP20042	<i>Desi</i>	Ca_Desig_denovo	27272560	(T/G)
44448	CadSNP20043	<i>Desi</i>	Ca_Desig_denovo	27318862	(C/T)
44449	CadSNP20044	<i>Desi</i>	Ca_Desig_denovo	27348866	(A/G)
44450	CadSNP20045	<i>Desi</i>	Ca_Desig_denovo	27349886	(C/G)
44451	CadSNP20046	<i>Desi</i>	Ca_Desig_denovo	27350036	(A/T)
44452	CadSNP20047	<i>Desi</i>	Ca_Desig_denovo	27350040	(C/T)
44453	CadSNP20048	<i>Desi</i>	Ca_Desig_denovo	27361355	(A/G)
44454	CadSNP20049	<i>Desi</i>	Ca_Desig_denovo	27361370	(C/G)
44455	CadSNP20050	<i>Desi</i>	Ca_Desig_denovo	27421964	(C/T)
44456	CadSNP20051	<i>Desi</i>	Ca_Desig_denovo	27440264	(C/T)
44457	CadSNP20052	<i>Desi</i>	Ca_Desig_denovo	27440282	(C/A)
44458	CadSNP20053	<i>Desi</i>	Ca_Desig_denovo	27440589	(C/A)
44459	CadSNP20054	<i>Desi</i>	Ca_Desig_denovo	27440614	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44460	CadSNP20055	<i>Desi</i>	Ca_Desig_denovo	27458264	(G/C)
44461	CadSNP20056	<i>Desi</i>	Ca_Desig_denovo	27458265	(C/A)
44462	CadSNP20057	<i>Desi</i>	Ca_Desig_denovo	27475760	(G/C)
44463	CadSNP20058	<i>Desi</i>	Ca_Desig_denovo	27498463	(C/T)
44464	CadSNP20059	<i>Desi</i>	Ca_Desig_denovo	27499873	(C/T)
44465	CadSNP20060	<i>Desi</i>	Ca_Desig_denovo	27509063	(T/G)
44466	CadSNP20061	<i>Desi</i>	Ca_Desig_denovo	27509069	(C/T)
44467	CadSNP20062	<i>Desi</i>	Ca_Desig_denovo	27510349	(C/T)
44468	CadSNP20063	<i>Desi</i>	Ca_Desig_denovo	27510353	(T/C)
44469	CadSNP20064	<i>Desi</i>	Ca_Desig_denovo	27546524	(G/A)
44470	CadSNP20065	<i>Desi</i>	Ca_Desig_denovo	27546536	(A/G)
44471	CadSNP20066	<i>Desi</i>	Ca_Desig_denovo	27599245	(A/T)
44472	CadSNP20067	<i>Desi</i>	Ca_Desig_denovo	27599279	(C/G)
44473	CadSNP20068	<i>Desi</i>	Ca_Desig_denovo	27611733	(T/C)
44474	CadSNP20069	<i>Desi</i>	Ca_Desig_denovo	27611741	(G/A)
44475	CadSNP20070	<i>Desi</i>	Ca_Desig_denovo	27679006	(C/T)
44476	CadSNP20071	<i>Desi</i>	Ca_Desig_denovo	27688853	(C/T)
44477	CadSNP20072	<i>Desi</i>	Ca_Desig_denovo	27688861	(A/G)
44478	CadSNP20073	<i>Desi</i>	Ca_Desig_denovo	27711250	(G/C)
44479	CadSNP20074	<i>Desi</i>	Ca_Desig_denovo	27711266	(C/T)
44480	CadSNP20075	<i>Desi</i>	Ca_Desig_denovo	27714198	(T/C)
44481	CadSNP20076	<i>Desi</i>	Ca_Desig_denovo	27714199	(G/T)
44482	CadSNP20077	<i>Desi</i>	Ca_Desig_denovo	27739496	(T/C)
44483	CadSNP20078	<i>Desi</i>	Ca_Desig_denovo	27762278	(C/T)
44484	CadSNP20079	<i>Desi</i>	Ca_Desig_denovo	27762296	(C/T)
44485	CadSNP20080	<i>Desi</i>	Ca_Desig_denovo	27767009	(A/G)
44486	CadSNP20081	<i>Desi</i>	Ca_Desig_denovo	27813709	(C/G)
44487	CadSNP20082	<i>Desi</i>	Ca_Desig_denovo	27813722	(C/G)
44488	CadSNP20083	<i>Desi</i>	Ca_Desig_denovo	27820770	(C/G)
44489	CadSNP20084	<i>Desi</i>	Ca_Desig_denovo	27820775	(A/G)
44490	CadSNP20085	<i>Desi</i>	Ca_Desig_denovo	27905129	(A/C)
44491	CadSNP20086	<i>Desi</i>	Ca_Desig_denovo	27905178	(C/T)
44492	CadSNP20087	<i>Desi</i>	Ca_Desig_denovo	27923742	(C/T)
44493	CadSNP20088	<i>Desi</i>	Ca_Desig_denovo	27930522	(A/T)
44494	CadSNP20089	<i>Desi</i>	Ca_Desig_denovo	27937684	(C/T)
44495	CadSNP20090	<i>Desi</i>	Ca_Desig_denovo	27937723	(A/G)
44496	CadSNP20091	<i>Desi</i>	Ca_Desig_denovo	28003445	(C/A)
44497	CadSNP20092	<i>Desi</i>	Ca_Desig_denovo	28006335	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44498	CadSNP20093	<i>Desi</i>	Ca_Desig_denovo	28017969	(A/G)
44499	CadSNP20094	<i>Desi</i>	Ca_Desig_denovo	28026334	(C/G)
44500	CadSNP20095	<i>Desi</i>	Ca_Desig_denovo	28030234	(T/C)
44501	CadSNP20096	<i>Desi</i>	Ca_Desig_denovo	28048013	(G/C)
44502	CadSNP20097	<i>Desi</i>	Ca_Desig_denovo	28188992	(C/G)
44503	CadSNP20098	<i>Desi</i>	Ca_Desig_denovo	28189027	(A/G)
44504	CadSNP20099	<i>Desi</i>	Ca_Desig_denovo	28243407	(T/C)
44505	CadSNP20100	<i>Desi</i>	Ca_Desig_denovo	28243419	(A/G)
44506	CadSNP20101	<i>Desi</i>	Ca_Desig_denovo	28266095	(C/T)
44507	CadSNP20102	<i>Desi</i>	Ca_Desig_denovo	28266137	(C/T)
44508	CadSNP20103	<i>Desi</i>	Ca_Desig_denovo	28311068	(C/T)
44509	CadSNP20104	<i>Desi</i>	Ca_Desig_denovo	28311094	(T/G)
44510	CadSNP20105	<i>Desi</i>	Ca_Desig_denovo	28312115	(T/C)
44511	CadSNP20106	<i>Desi</i>	Ca_Desig_denovo	28327294	(G/A)
44512	CadSNP20107	<i>Desi</i>	Ca_Desig_denovo	28411642	(C/T)
44513	CadSNP20108	<i>Desi</i>	Ca_Desig_denovo	28450487	(G/A)
44514	CadSNP20109	<i>Desi</i>	Ca_Desig_denovo	28473005	(C/G)
44515	CadSNP20110	<i>Desi</i>	Ca_Desig_denovo	28476167	(T/G)
44516	CadSNP20111	<i>Desi</i>	Ca_Desig_denovo	28476168	(A/G)
44517	CadSNP20112	<i>Desi</i>	Ca_Desig_denovo	28506485	(T/C)
44518	CadSNP20113	<i>Desi</i>	Ca_Desig_denovo	28544636	(G/A)
44519	CadSNP20114	<i>Desi</i>	Ca_Desig_denovo	28544642	(T/C)
44520	CadSNP20115	<i>Desi</i>	Ca_Desig_denovo	28555009	(C/T)
44521	CadSNP20116	<i>Desi</i>	Ca_Desig_denovo	28555016	(A/G)
44522	CadSNP20117	<i>Desi</i>	Ca_Desig_denovo	28575480	(T/G)
44523	CadSNP20118	<i>Desi</i>	Ca_Desig_denovo	28575518	(T/C)
44524	CadSNP20119	<i>Desi</i>	Ca_Desig_denovo	28579005	(C/T)
44525	CadSNP20120	<i>Desi</i>	Ca_Desig_denovo	28602439	(C/G)
44526	CadSNP20121	<i>Desi</i>	Ca_Desig_denovo	28602740	(G/A)
44527	CadSNP20122	<i>Desi</i>	Ca_Desig_denovo	28645146	(A/G)
44528	CadSNP20123	<i>Desi</i>	Ca_Desig_denovo	28659498	(C/T)
44529	CadSNP20124	<i>Desi</i>	Ca_Desig_denovo	28699646	(G/A)
44530	CadSNP20125	<i>Desi</i>	Ca_Desig_denovo	28719465	(C/G)
44531	CadSNP20126	<i>Desi</i>	Ca_Desig_denovo	28719481	(G/A)
44532	CadSNP20127	<i>Desi</i>	Ca_Desig_denovo	28727465	(A/G)
44533	CadSNP20128	<i>Desi</i>	Ca_Desig_denovo	28738744	(C/T)
44534	CadSNP20129	<i>Desi</i>	Ca_Desig_denovo	28750047	(C/T)
44535	CadSNP20130	<i>Desi</i>	Ca_Desig_denovo	28750050	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44536	CadSNP20131	<i>Desi</i>	Ca_Desig_denovo	28796900	(C/T)
44537	CadSNP20132	<i>Desi</i>	Ca_Desig_denovo	28796924	(A/G)
44538	CadSNP20133	<i>Desi</i>	Ca_Desig_denovo	28821296	(C/T)
44539	CadSNP20134	<i>Desi</i>	Ca_Desig_denovo	28821317	(C/T)
44540	CadSNP20135	<i>Desi</i>	Ca_Desig_denovo	28838205	(A/G)
44541	CadSNP20136	<i>Desi</i>	Ca_Desig_denovo	28838221	(A/G)
44542	CadSNP20137	<i>Desi</i>	Ca_Desig_denovo	28840509	(A/C)
44543	CadSNP20138	<i>Desi</i>	Ca_Desig_denovo	28840510	(G/C)
44544	CadSNP20139	<i>Desi</i>	Ca_Desig_denovo	28863027	(G/T)
44545	CadSNP20140	<i>Desi</i>	Ca_Desig_denovo	28903730	(A/G)
44546	CadSNP20141	<i>Desi</i>	Ca_Desig_denovo	28942313	(G/A)
44547	CadSNP20142	<i>Desi</i>	Ca_Desig_denovo	28949777	(C/T)
44548	CadSNP20143	<i>Desi</i>	Ca_Desig_denovo	29032209	(T/C)
44549	CadSNP20144	<i>Desi</i>	Ca_Desig_denovo	29082567	(G/A)
44550	CadSNP20145	<i>Desi</i>	Ca_Desig_denovo	29128466	(A/G)
44551	CadSNP20146	<i>Desi</i>	Ca_Desig_denovo	29128481	(C/T)
44552	CadSNP20147	<i>Desi</i>	Ca_Desig_denovo	29183609	(T/G)
44553	CadSNP20148	<i>Desi</i>	Ca_Desig_denovo	29198801	(C/T)
44554	CadSNP20149	<i>Desi</i>	Ca_Desig_denovo	29209116	(A/G)
44555	CadSNP20150	<i>Desi</i>	Ca_Desig_denovo	29209128	(C/T)
44556	CadSNP20151	<i>Desi</i>	Ca_Desig_denovo	29217591	(C/T)
44557	CadSNP20152	<i>Desi</i>	Ca_Desig_denovo	29217614	(C/T)
44558	CadSNP20153	<i>Desi</i>	Ca_Desig_denovo	29236025	(T/C)
44559	CadSNP20154	<i>Desi</i>	Ca_Desig_denovo	29255732	(C/T)
44560	CadSNP20155	<i>Desi</i>	Ca_Desig_denovo	29274831	(C/A)
44561	CadSNP20156	<i>Desi</i>	Ca_Desig_denovo	29317150	(C/A)
44562	CadSNP20157	<i>Desi</i>	Ca_Desig_denovo	29321638	(C/G)
44563	CadSNP20158	<i>Desi</i>	Ca_Desig_denovo	29338254	(T/A)
44564	CadSNP20159	<i>Desi</i>	Ca_Desig_denovo	29408537	(C/G)
44565	CadSNP20160	<i>Desi</i>	Ca_Desig_denovo	29408549	(C/G)
44566	CadSNP20161	<i>Desi</i>	Ca_Desig_denovo	29412410	(T/G)
44567	CadSNP20162	<i>Desi</i>	Ca_Desig_denovo	29414358	(G/A)
44568	CadSNP20163	<i>Desi</i>	Ca_Desig_denovo	29414376	(G/C)
44569	CadSNP20164	<i>Desi</i>	Ca_Desig_denovo	29415932	(T/C)
44570	CadSNP20165	<i>Desi</i>	Ca_Desig_denovo	29415940	(A/G)
44571	CadSNP20166	<i>Desi</i>	Ca_Desig_denovo	29454783	(T/C)
44572	CadSNP20167	<i>Desi</i>	Ca_Desig_denovo	29560256	(T/A)
44573	CadSNP20168	<i>Desi</i>	Ca_Desig_denovo	29562856	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44574	CadSNP20169	<i>Desi</i>	Ca_Desig_denovo	29562907	(A/G)
44575	CadSNP20170	<i>Desi</i>	Ca_Desig_denovo	29626617	(G/T)
44576	CadSNP20171	<i>Desi</i>	Ca_Desig_denovo	29640698	(A/G)
44577	CadSNP20172	<i>Desi</i>	Ca_Desig_denovo	29640722	(G/A)
44578	CadSNP20173	<i>Desi</i>	Ca_Desig_denovo	29657155	(T/C)
44579	CadSNP20174	<i>Desi</i>	Ca_Desig_denovo	29674918	(A/G)
44580	CadSNP20175	<i>Desi</i>	Ca_Desig_denovo	29674925	(G/A)
44581	CadSNP20176	<i>Desi</i>	Ca_Desig_denovo	29676596	(G/A)
44582	CadSNP20177	<i>Desi</i>	Ca_Desig_denovo	29676629	(T/C)
44583	CadSNP20178	<i>Desi</i>	Ca_Desig_denovo	29678862	(C/G)
44584	CadSNP20179	<i>Desi</i>	Ca_Desig_denovo	29683065	(G/T)
44585	CadSNP20180	<i>Desi</i>	Ca_Desig_denovo	29713880	(T/C)
44586	CadSNP20181	<i>Desi</i>	Ca_Desig_denovo	29713906	(G/A)
44587	CadSNP20182	<i>Desi</i>	Ca_Desig_denovo	29722670	(G/T)
44588	CadSNP20183	<i>Desi</i>	Ca_Desig_denovo	29795074	(G/A)
44589	CadSNP20184	<i>Desi</i>	Ca_Desig_denovo	29795117	(A/C)
44590	CadSNP20185	<i>Desi</i>	Ca_Desig_denovo	29798534	(A/G)
44591	CadSNP20186	<i>Desi</i>	Ca_Desig_denovo	29801025	(A/G)
44592	CadSNP20187	<i>Desi</i>	Ca_Desig_denovo	29804482	(A/G)
44593	CadSNP20188	<i>Desi</i>	Ca_Desig_denovo	29804514	(C/T)
44594	CadSNP20189	<i>Desi</i>	Ca_Desig_denovo	29808189	(G/A)
44595	CadSNP20190	<i>Desi</i>	Ca_Desig_denovo	29808223	(A/G)
44596	CadSNP20191	<i>Desi</i>	Ca_Desig_denovo	29843243	(A/G)
44597	CadSNP20192	<i>Desi</i>	Ca_Desig_denovo	29843260	(G/A)
44598	CadSNP20193	<i>Desi</i>	Ca_Desig_denovo	29850266	(C/T)
44599	CadSNP20194	<i>Desi</i>	Ca_Desig_denovo	29881790	(A/G)
44600	CadSNP20195	<i>Desi</i>	Ca_Desig_denovo	29913503	(T/C)
44601	CadSNP20196	<i>Desi</i>	Ca_Desig_denovo	29913505	(T/C)
44602	CadSNP20197	<i>Desi</i>	Ca_Desig_denovo	29965839	(A/T)
44603	CadSNP20198	<i>Desi</i>	Ca_Desig_denovo	29968094	(A/G)
44604	CadSNP20199	<i>Desi</i>	Ca_Desig_denovo	29968121	(A/G)
44605	CadSNP20200	<i>Desi</i>	Ca_Desig_denovo	30023670	(A/G)
44606	CadSNP20201	<i>Desi</i>	Ca_Desig_denovo	30023709	(G/A)
44607	CadSNP20202	<i>Desi</i>	Ca_Desig_denovo	30037253	(A/G)
44608	CadSNP20203	<i>Desi</i>	Ca_Desig_denovo	30037271	(G/C)
44609	CadSNP20204	<i>Desi</i>	Ca_Desig_denovo	30079472	(T/C)
44610	CadSNP20205	<i>Desi</i>	Ca_Desig_denovo	30079544	(C/T)
44611	CadSNP20206	<i>Desi</i>	Ca_Desig_denovo	30091151	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44612	CadSNP20207	<i>Desi</i>	Ca_Desig_denovo	30104868	(A/G)
44613	CadSNP20208	<i>Desi</i>	Ca_Desig_denovo	30104881	(A/C)
44614	CadSNP20209	<i>Desi</i>	Ca_Desig_denovo	30228947	(G/T)
44615	CadSNP20210	<i>Desi</i>	Ca_Desig_denovo	30228968	(A/G)
44616	CadSNP20211	<i>Desi</i>	Ca_Desig_denovo	30278596	(C/T)
44617	CadSNP20212	<i>Desi</i>	Ca_Desig_denovo	30296011	(C/A)
44618	CadSNP20213	<i>Desi</i>	Ca_Desig_denovo	30313412	(A/G)
44619	CadSNP20214	<i>Desi</i>	Ca_Desig_denovo	30313430	(A/G)
44620	CadSNP20215	<i>Desi</i>	Ca_Desig_denovo	30487207	(A/G)
44621	CadSNP20216	<i>Desi</i>	Ca_Desig_denovo	30498368	(C/T)
44622	CadSNP20217	<i>Desi</i>	Ca_Desig_denovo	30540504	(G/A)
44623	CadSNP20218	<i>Desi</i>	Ca_Desig_denovo	30577130	(C/A)
44624	CadSNP20219	<i>Desi</i>	Ca_Desig_denovo	30583346	(G/A)
44625	CadSNP20220	<i>Desi</i>	Ca_Desig_denovo	30642522	(A/G)
44626	CadSNP20221	<i>Desi</i>	Ca_Desig_denovo	30664897	(G/A)
44627	CadSNP20222	<i>Desi</i>	Ca_Desig_denovo	30664931	(A/G)
44628	CadSNP20223	<i>Desi</i>	Ca_Desig_denovo	30664948	(C/G)
44629	CadSNP20224	<i>Desi</i>	Ca_Desig_denovo	30664958	(A/G)
44630	CadSNP20225	<i>Desi</i>	Ca_Desig_denovo	30699603	(C/A)
44631	CadSNP20226	<i>Desi</i>	Ca_Desig_denovo	30699620	(T/A)
44632	CadSNP20227	<i>Desi</i>	Ca_Desig_denovo	30741190	(C/T)
44633	CadSNP20228	<i>Desi</i>	Ca_Desig_denovo	30744436	(C/T)
44634	CadSNP20229	<i>Desi</i>	Ca_Desig_denovo	30757242	(A/T)
44635	CadSNP20230	<i>Desi</i>	Ca_Desig_denovo	30757253	(G/A)
44636	CadSNP20231	<i>Desi</i>	Ca_Desig_denovo	30793516	(G/A)
44637	CadSNP20232	<i>Desi</i>	Ca_Desig_denovo	30793597	(G/T)
44638	CadSNP20233	<i>Desi</i>	Ca_Desig_denovo	30793599	(T/C)
44639	CadSNP20234	<i>Desi</i>	Ca_Desig_denovo	30820487	(G/A)
44640	CadSNP20235	<i>Desi</i>	Ca_Desig_denovo	30820571	(T/A)
44641	CadSNP20236	<i>Desi</i>	Ca_Desig_denovo	30827844	(T/C)
44642	CadSNP20237	<i>Desi</i>	Ca_Desig_denovo	30827846	(A/G)
44643	CadSNP20238	<i>Desi</i>	Ca_Desig_denovo	30830113	(T/G)
44644	CadSNP20239	<i>Desi</i>	Ca_Desig_denovo	30830146	(T/G)
44645	CadSNP20240	<i>Desi</i>	Ca_Desig_denovo	30830374	(G/C)
44646	CadSNP20241	<i>Desi</i>	Ca_Desig_denovo	30830375	(C/G)
44647	CadSNP20242	<i>Desi</i>	Ca_Desig_denovo	30830377	(G/T)
44648	CadSNP20243	<i>Desi</i>	Ca_Desig_denovo	30830379	(C/T)
44649	CadSNP20244	<i>Desi</i>	Ca_Desig_denovo	30830380	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44650	CadSNP20245	<i>Desi</i>	Ca_Desig_denovo	30830744	(G/T)
44651	CadSNP20246	<i>Desi</i>	Ca_Desig_denovo	30831491	(C/G)
44652	CadSNP20247	<i>Desi</i>	Ca_Desig_denovo	30831493	(G/T)
44653	CadSNP20248	<i>Desi</i>	Ca_Desig_denovo	30831495	(C/T)
44654	CadSNP20249	<i>Desi</i>	Ca_Desig_denovo	30833979	(T/G)
44655	CadSNP20250	<i>Desi</i>	Ca_Desig_denovo	30833991	(G/T)
44656	CadSNP20251	<i>Desi</i>	Ca_Desig_denovo	30834026	(A/G)
44657	CadSNP20252	<i>Desi</i>	Ca_Desig_denovo	30835738	(G/T)
44658	CadSNP20253	<i>Desi</i>	Ca_Desig_denovo	30835766	(T/G)
44659	CadSNP20254	<i>Desi</i>	Ca_Desig_denovo	30835772	(A/G)
44660	CadSNP20255	<i>Desi</i>	Ca_Desig_denovo	30835789	(G/A)
44661	CadSNP20256	<i>Desi</i>	Ca_Desig_denovo	30840037	(T/G)
44662	CadSNP20257	<i>Desi</i>	Ca_Desig_denovo	30840039	(A/G)
44663	CadSNP20258	<i>Desi</i>	Ca_Desig_denovo	30840069	(A/G)
44664	CadSNP20259	<i>Desi</i>	Ca_Desig_denovo	30842831	(A/G)
44665	CadSNP20260	<i>Desi</i>	Ca_Desig_denovo	30842833	(A/G)
44666	CadSNP20261	<i>Desi</i>	Ca_Desig_denovo	30842834	(A/G)
44667	CadSNP20262	<i>Desi</i>	Ca_Desig_denovo	30842835	(G/A)
44668	CadSNP20263	<i>Desi</i>	Ca_Desig_denovo	30869247	(C/A)
44669	CadSNP20264	<i>Desi</i>	Ca_Desig_denovo	30872588	(C/G)
44670	CadSNP20265	<i>Desi</i>	Ca_Desig_denovo	30872613	(C/G)
44671	CadSNP20266	<i>Desi</i>	Ca_Desig_denovo	30872634	(A/G)
44672	CadSNP20267	<i>Desi</i>	Ca_Desig_denovo	30878095	(G/A)
44673	CadSNP20268	<i>Desi</i>	Ca_Desig_denovo	30878097	(A/T)
44674	CadSNP20269	<i>Desi</i>	Ca_Desig_denovo	30878098	(G/T)
44675	CadSNP20270	<i>Desi</i>	Ca_Desig_denovo	30878099	(C/G)
44676	CadSNP20271	<i>Desi</i>	Ca_Desig_denovo	30902520	(C/G)
44677	CadSNP20272	<i>Desi</i>	Ca_Desig_denovo	30920646	(G/A)
44678	CadSNP20273	<i>Desi</i>	Ca_Desig_denovo	30920674	(T/G)
44679	CadSNP20274	<i>Desi</i>	Ca_Desig_denovo	30920724	(G/C)
44680	CadSNP20275	<i>Desi</i>	Ca_Desig_denovo	30921882	(A/G)
44681	CadSNP20276	<i>Desi</i>	Ca_Desig_denovo	30921936	(T/G)
44682	CadSNP20277	<i>Desi</i>	Ca_Desig_denovo	30925781	(G/T)
44683	CadSNP20278	<i>Desi</i>	Ca_Desig_denovo	31078584	(A/G)
44684	CadSNP20279	<i>Desi</i>	Ca_Desig_denovo	31078597	(C/T)
44685	CadSNP20280	<i>Desi</i>	Ca_Desig_denovo	31085169	(T/C)
44686	CadSNP20281	<i>Desi</i>	Ca_Desig_denovo	31542828	(A/C)
44687	CadSNP20282	<i>Desi</i>	Ca_Desig_denovo	31542838	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44688	CadSNP20283	<i>Desi</i>	Ca_Desig_denovo	31759809	(A/G)
44689	CadSNP20284	<i>Desi</i>	Ca_Desig_denovo	31759836	(T/C)
44690	CadSNP20285	<i>Desi</i>	Ca_Desig_denovo	31811245	(C/G)
44691	CadSNP20286	<i>Desi</i>	Ca_Desig_denovo	31830314	(A/G)
44692	CadSNP20287	<i>Desi</i>	Ca_Desig_denovo	31830320	(C/G)
44693	CadSNP20288	<i>Desi</i>	Ca_Desig_denovo	31842859	(A/G)
44694	CadSNP20289	<i>Desi</i>	Ca_Desig_denovo	31847329	(G/C)
44695	CadSNP20290	<i>Desi</i>	Ca_Desig_denovo	31847338	(T/C)
44696	CadSNP20291	<i>Desi</i>	Ca_Desig_denovo	31925366	(T/G)
44697	CadSNP20292	<i>Desi</i>	Ca_Desig_denovo	31925413	(A/C)
44698	CadSNP20293	<i>Desi</i>	Ca_Desig_denovo	31933010	(C/T)
44699	CadSNP20294	<i>Desi</i>	Ca_Desig_denovo	31950260	(T/C)
44700	CadSNP20295	<i>Desi</i>	Ca_Desig_denovo	31950266	(A/G)
44701	CadSNP20296	<i>Desi</i>	Ca_Desig_denovo	32026141	(G/T)
44702	CadSNP20297	<i>Desi</i>	Ca_Desig_denovo	32050995	(A/G)
44703	CadSNP20298	<i>Desi</i>	Ca_Desig_denovo	32068492	(T/C)
44704	CadSNP20299	<i>Desi</i>	Ca_Desig_denovo	32068520	(T/G)
44705	CadSNP20300	<i>Desi</i>	Ca_Desig_denovo	32076855	(T/C)
44706	CadSNP20301	<i>Desi</i>	Ca_Desig_denovo	32076881	(A/C)
44707	CadSNP20302	<i>Desi</i>	Ca_Desig_denovo	32080747	(A/C)
44708	CadSNP20303	<i>Desi</i>	Ca_Desig_denovo	32080753	(A/G)
44709	CadSNP20304	<i>Desi</i>	Ca_Desig_denovo	32085959	(C/G)
44710	CadSNP20305	<i>Desi</i>	Ca_Desig_denovo	32085962	(C/T)
44711	CadSNP20306	<i>Desi</i>	Ca_Desig_denovo	32096471	(G/C)
44712	CadSNP20307	<i>Desi</i>	Ca_Desig_denovo	32096492	(C/G)
44713	CadSNP20308	<i>Desi</i>	Ca_Desig_denovo	32102894	(G/A)
44714	CadSNP20309	<i>Desi</i>	Ca_Desig_denovo	32102906	(G/A)
44715	CadSNP20310	<i>Desi</i>	Ca_Desig_denovo	32103632	(T/C)
44716	CadSNP20311	<i>Desi</i>	Ca_Desig_denovo	32105704	(G/A)
44717	CadSNP20312	<i>Desi</i>	Ca_Desig_denovo	32128616	(A/C)
44718	CadSNP20313	<i>Desi</i>	Ca_Desig_denovo	32128617	(G/C)
44719	CadSNP20314	<i>Desi</i>	Ca_Desig_denovo	32213072	(A/G)
44720	CadSNP20315	<i>Desi</i>	Ca_Desig_denovo	32213080	(C/G)
44721	CadSNP20316	<i>Desi</i>	Ca_Desig_denovo	32224615	(C/G)
44722	CadSNP20317	<i>Desi</i>	Ca_Desig_denovo	32236273	(C/G)
44723	CadSNP20318	<i>Desi</i>	Ca_Desig_denovo	32237075	(T/G)
44724	CadSNP20319	<i>Desi</i>	Ca_Desig_denovo	32237087	(C/G)
44725	CadSNP20320	<i>Desi</i>	Ca_Desig_denovo	32286821	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44726	CadSNP20321	<i>Desi</i>	Ca_Desig_denovo	32286839	(G/A)
44727	CadSNP20322	<i>Desi</i>	Ca_Desig_denovo	32374596	(A/C)
44728	CadSNP20323	<i>Desi</i>	Ca_Desig_denovo	32374597	(G/C)
44729	CadSNP20324	<i>Desi</i>	Ca_Desig_denovo	32374599	(T/C)
44730	CadSNP20325	<i>Desi</i>	Ca_Desig_denovo	32432674	(G/A)
44731	CadSNP20326	<i>Desi</i>	Ca_Desig_denovo	32432692	(C/A)
44732	CadSNP20327	<i>Desi</i>	Ca_Desig_denovo	32432698	(T/C)
44733	CadSNP20328	<i>Desi</i>	Ca_Desig_denovo	32467444	(A/G)
44734	CadSNP20329	<i>Desi</i>	Ca_Desig_denovo	32467445	(T/C)
44735	CadSNP20330	<i>Desi</i>	Ca_Desig_denovo	32518308	(C/G)
44736	CadSNP20331	<i>Desi</i>	Ca_Desig_denovo	32518335	(T/G)
44737	CadSNP20332	<i>Desi</i>	Ca_Desig_denovo	32526371	(A/C)
44738	CadSNP20333	<i>Desi</i>	Ca_Desig_denovo	32528556	(C/G)
44739	CadSNP20334	<i>Desi</i>	Ca_Desig_denovo	32528579	(C/T)
44740	CadSNP20335	<i>Desi</i>	Ca_Desig_denovo	32566013	(G/C)
44741	CadSNP20336	<i>Desi</i>	Ca_Desig_denovo	32567816	(C/A)
44742	CadSNP20337	<i>Desi</i>	Ca_Desig_denovo	32567824	(C/T)
44743	CadSNP20338	<i>Desi</i>	Ca_Desig_denovo	32586766	(T/C)
44744	CadSNP20339	<i>Desi</i>	Ca_Desig_denovo	32618742	(A/G)
44745	CadSNP20340	<i>Desi</i>	Ca_Desig_denovo	32618776	(G/C)
44746	CadSNP20341	<i>Desi</i>	Ca_Desig_denovo	32629071	(C/T)
44747	CadSNP20342	<i>Desi</i>	Ca_Desig_denovo	32629092	(C/T)
44748	CadSNP20343	<i>Desi</i>	Ca_Desig_denovo	32650369	(T/G)
44749	CadSNP20344	<i>Desi</i>	Ca_Desig_denovo	32650385	(A/G)
44750	CadSNP20345	<i>Desi</i>	Ca_Desig_denovo	32664214	(G/T)
44751	CadSNP20346	<i>Desi</i>	Ca_Desig_denovo	32664249	(T/C)
44752	CadSNP20347	<i>Desi</i>	Ca_Desig_denovo	32668889	(A/G)
44753	CadSNP20348	<i>Desi</i>	Ca_Desig_denovo	32668892	(G/C)
44754	CadSNP20349	<i>Desi</i>	Ca_Desig_denovo	32684063	(G/T)
44755	CadSNP20350	<i>Desi</i>	Ca_Desig_denovo	32684100	(A/T)
44756	CadSNP20351	<i>Desi</i>	Ca_Desig_denovo	32688548	(G/C)
44757	CadSNP20352	<i>Desi</i>	Ca_Desig_denovo	32688798	(G/T)
44758	CadSNP20353	<i>Desi</i>	Ca_Desig_denovo	32745140	(G/C)
44759	CadSNP20354	<i>Desi</i>	Ca_Desig_denovo	32745142	(C/A)
44760	CadSNP20355	<i>Desi</i>	Ca_Desig_denovo	32834033	(A/G)
44761	CadSNP20356	<i>Desi</i>	Ca_Desig_denovo	32834077	(T/C)
44762	CadSNP20357	<i>Desi</i>	Ca_Desig_denovo	32834859	(A/G)
44763	CadSNP20358	<i>Desi</i>	Ca_Desig_denovo	32843525	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44764	CadSNP20359	<i>Desi</i>	Ca_Desig_denovo	32843602	(G/T)
44765	CadSNP20360	<i>Desi</i>	Ca_Desig_denovo	32849756	(T/C)
44766	CadSNP20361	<i>Desi</i>	Ca_Desig_denovo	32849794	(C/T)
44767	CadSNP20362	<i>Desi</i>	Ca_Desig_denovo	32864673	(G/A)
44768	CadSNP20363	<i>Desi</i>	Ca_Desig_denovo	32864674	(C/G)
44769	CadSNP20364	<i>Desi</i>	Ca_Desig_denovo	32887051	(G/A)
44770	CadSNP20365	<i>Desi</i>	Ca_Desig_denovo	32887104	(G/C)
44771	CadSNP20366	<i>Desi</i>	Ca_Desig_denovo	32934604	(T/C)
44772	CadSNP20367	<i>Desi</i>	Ca_Desig_denovo	32955683	(T/C)
44773	CadSNP20368	<i>Desi</i>	Ca_Desig_denovo	32955691	(G/A)
44774	CadSNP20369	<i>Desi</i>	Ca_Desig_denovo	33111070	(C/A)
44775	CadSNP20370	<i>Desi</i>	Ca_Desig_denovo	33274504	(A/C)
44776	CadSNP20371	<i>Desi</i>	Ca_Desig_denovo	33305136	(G/A)
44777	CadSNP20372	<i>Desi</i>	Ca_Desig_denovo	33305154	(C/A)
44778	CadSNP20373	<i>Desi</i>	Ca_Desig_denovo	33395919	(T/G)
44779	CadSNP20374	<i>Desi</i>	Ca_Desig_denovo	33764611	(T/C)
44780	CadSNP20375	<i>Desi</i>	Ca_Desig_denovo	33764653	(A/G)
44781	CadSNP20376	<i>Desi</i>	Ca_Desig_denovo	33834723	(C/T)
44782	CadSNP20377	<i>Desi</i>	Ca_Desig_denovo	33834771	(G/C)
44783	CadSNP20378	<i>Desi</i>	Ca_Desig_denovo	33946912	(G/A)
44784	CadSNP20379	<i>Desi</i>	Ca_Desig_denovo	33958361	(C/A)
44785	CadSNP20380	<i>Desi</i>	Ca_Desig_denovo	33958362	(A/G)
44786	CadSNP20381	<i>Desi</i>	Ca_Desig_denovo	33958523	(T/G)
44787	CadSNP20382	<i>Desi</i>	Ca_Desig_denovo	33963614	(A/G)
44788	CadSNP20383	<i>Desi</i>	Ca_Desig_denovo	33963635	(C/G)
44789	CadSNP20384	<i>Desi</i>	Ca_Desig_denovo	33972656	(C/G)
44790	CadSNP20385	<i>Desi</i>	Ca_Desig_denovo	33972665	(C/G)
44791	CadSNP20386	<i>Desi</i>	Ca_Desig_denovo	33974051	(C/A)
44792	CadSNP20387	<i>Desi</i>	Ca_Desig_denovo	34002689	(C/T)
44793	CadSNP20388	<i>Desi</i>	Ca_Desig_denovo	34002692	(T/C)
44794	CadSNP20389	<i>Desi</i>	Ca_Desig_denovo	34043609	(A/G)
44795	CadSNP20390	<i>Desi</i>	Ca_Desig_denovo	34046809	(A/G)
44796	CadSNP20391	<i>Desi</i>	Ca_Desig_denovo	34060610	(G/T)
44797	CadSNP20392	<i>Desi</i>	Ca_Desig_denovo	34060630	(T/G)
44798	CadSNP20393	<i>Desi</i>	Ca_Desig_denovo	34068066	(T/C)
44799	CadSNP20394	<i>Desi</i>	Ca_Desig_denovo	34082942	(A/G)
44800	CadSNP20395	<i>Desi</i>	Ca_Desig_denovo	34082975	(G/C)
44801	CadSNP20396	<i>Desi</i>	Ca_Desig_denovo	34100784	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44802	CadSNP20397	<i>Desi</i>	Ca_Desig_denovo	34100826	(C/T)
44803	CadSNP20398	<i>Desi</i>	Ca_Desig_denovo	34130262	(C/G)
44804	CadSNP20399	<i>Desi</i>	Ca_Desig_denovo	34130302	(A/C)
44805	CadSNP20400	<i>Desi</i>	Ca_Desig_denovo	34146098	(G/A)
44806	CadSNP20401	<i>Desi</i>	Ca_Desig_denovo	34147188	(A/G)
44807	CadSNP20402	<i>Desi</i>	Ca_Desig_denovo	34161266	(T/C)
44808	CadSNP20403	<i>Desi</i>	Ca_Desig_denovo	34191572	(A/G)
44809	CadSNP20404	<i>Desi</i>	Ca_Desig_denovo	34191620	(C/G)
44810	CadSNP20405	<i>Desi</i>	Ca_Desig_denovo	34224392	(A/G)
44811	CadSNP20406	<i>Desi</i>	Ca_Desig_denovo	34224402	(A/G)
44812	CadSNP20407	<i>Desi</i>	Ca_Desig_denovo	34225592	(G/A)
44813	CadSNP20408	<i>Desi</i>	Ca_Desig_denovo	34257992	(G/C)
44814	CadSNP20409	<i>Desi</i>	Ca_Desig_denovo	34258007	(T/C)
44815	CadSNP20410	<i>Desi</i>	Ca_Desig_denovo	34262885	(A/G)
44816	CadSNP20411	<i>Desi</i>	Ca_Desig_denovo	34262896	(T/C)
44817	CadSNP20412	<i>Desi</i>	Ca_Desig_denovo	34292583	(A/G)
44818	CadSNP20413	<i>Desi</i>	Ca_Desig_denovo	34292587	(G/A)
44819	CadSNP20414	<i>Desi</i>	Ca_Desig_denovo	34293854	(C/G)
44820	CadSNP20415	<i>Desi</i>	Ca_Desig_denovo	34293878	(T/C)
44821	CadSNP20416	<i>Desi</i>	Ca_Desig_denovo	34315070	(C/G)
44822	CadSNP20417	<i>Desi</i>	Ca_Desig_denovo	34315106	(A/G)
44823	CadSNP20418	<i>Desi</i>	Ca_Desig_denovo	39746958	(C/G)
44824	CadSNP20419	<i>Desi</i>	Ca_Desig_denovo	43386023	(C/T)
44825	CadSNP20420	<i>Desi</i>	Ca_Desig_denovo	43386033	(T/G)
44826	CadSNP20421	<i>Desi</i>	Ca_Desig_denovo	43510138	(T/A)
44827	CadSNP20422	<i>Desi</i>	Ca_Desig_denovo	43929590	(A/C)
44828	CadSNP20423	<i>Desi</i>	Ca_Desig_denovo	43929619	(A/G)
44829	CadSNP20424	<i>Desi</i>	Ca_Desig_denovo	43942980	(C/T)
44830	CadSNP20425	<i>Desi</i>	Ca_Desig_denovo	44195103	(T/C)
44831	CadSNP20426	<i>Desi</i>	Ca_Desig_denovo	44195104	(C/G)
44832	CadSNP20427	<i>Desi</i>	Ca_Desig_denovo	44195134	(C/A)
44833	CadSNP20428	<i>Desi</i>	Ca_Desig_denovo	44195157	(G/A)
44834	CadSNP20429	<i>Desi</i>	Ca_Desig_denovo	44195162	(T/G)
44835	CadSNP20430	<i>Desi</i>	Ca_Desig_denovo	44195165	(C/T)
44836	CadSNP20431	<i>Desi</i>	Ca_Desig_denovo	44279210	(A/G)
44837	CadSNP20432	<i>Desi</i>	Ca_Desig_denovo	44350686	(G/C)
44838	CadSNP20433	<i>Desi</i>	Ca_Desig_denovo	44350722	(G/T)
44839	CadSNP20434	<i>Desi</i>	Ca_Desig_denovo	44670432	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
44840	CadSNP20435	<i>Desi</i>	Ca_Desig_denovo	44670450	(A/T)
44841	CadSNP20436	<i>Desi</i>	Ca_Desig_denovo	44670452	(G/A)
44842	CadSNP20437	<i>Desi</i>	Ca_Desig_denovo	44670472	(C/T)
44843	CadSNP20438	<i>Desi</i>	Ca_Desig_denovo	67089786	(T/G)
44844	CadSNP20439	<i>Desi</i>	Ca_Desig_denovo	67089829	(A/G)

Table S3: Statistical measures estimated for three seed and pod yield-contributing quantitative traits in 211 chickpea minicore accessions

Traits	Years*	Minicore accessions			
		Mean ± S.D.	Range	Coefficient of variation (CV %)	Heritability (%)
Pod number per plant (PN)	2011-12	77.6 ± 17.8	22.9-155.1	22.9	72
	2012-13	78.5 ± 18.6	21.6-152.7	23.7	73
Seed number per plant (SN)	2011-12	115.2 ± 24.5	32.6-199.1	21.3	70
	2012-13	118.4 ± 23.8	30.9-202.5	20.1	71
100-seed weight (g) (SW)	2011-12	11.5 ± 2.1	7.8-50.9	18.3	83
	2012-13	10.8 ± 2.2	8.4-48.6	21.4	85

*One-way ANOVA probabilities (F-Prob) at $p \leq 0.001$ showing significant trait variation among accessions across two years

Table S4: Statistical measures estimated for three seed and pod yield-contributing quantitative traits in parental genotypes and 283 segregating individuals of a F₄ mapping population (ICC 6013 x ICC 7346)

Traits	Years*	Parental genotypes		F ₄ mapping population			Heritability (%)
		ICC 6013	ICC 7346	Mean ± S.D.	Range	Coefficient of variation (CV%)	
Pod number per plant (PN)	2011-12	130.2 ± 0.86	26.3 ± 0.89	58.4 ± 18.0	12.3-139.7	30.8	78
	2012-13	131.5 ± 1.20	28.7 ± 1.14	55.7 ± 17.4	13.5-137.6	31.2	75
Seed number per plant (SN)	2011-12	209.6 ± 0.78	42.3 ± 0.87	94.1 ± 28.9	19.8-224.9	30.7	71
	2012-13	208.7 ± 1.03	43.8 ± 0.85	92.6 ± 25.7	21.4-218.7	27.8	72
100-seed weight (g) (SW)	2011-12	9.5 ± 0.49	38.5 ± 0.58	30.2 ± 5.4	6.0-44.9	17.9	82
	2012-13	10.8 ± 0.69	36.8 ± 0.65	28.7 ± 4.6	7.9-43.6	16.0	84

*One-way ANOVA probabilities (F-Prob) at $p \leq 0.001$ showing significant trait variation among mapping individuals across two years

Table S5: Significant QTLs governing three seed and pod yield-contributing traits identified using a 283 F₄ mapping population (ICC 6013 x ICC 7346)

QTLs identity*	Chromosomes/ linkage groups (LGs)	Marker intervals with genetic positions (cM)	LOD	Number of markers spanning the QTL regions	Phenotypic variance explained (PVE%) by QTLs	Traits associated	Additive effect
<i>qPN1.1</i>	Ca(LG)Chr1	CaSNP24 (46.1) – CaSNP28 (50.2)	8.4	5	23.6	PN	4.2
<i>qPN2.1</i> and <i>qSN2.1</i>	Ca(LG)Chr2	CaSNP36 (2.9) – CaSNP39 (9.8)	7.4	4	21.7	PN & SN	3.5
<i>qSW3.1</i>	Ca(LG)Chr3	CaSNP78 (68.7) – CaSNP81 (76.1)	5.7	4	14.8	SW	3.0
<i>qSN3.1</i>		CaSNP90 (97.8) – CaSNP93 (100.2)	5.2	4	13.6	SN	2.8
<i>qPN4.1</i>	Ca(LG)Chr4	CaSNP119 (38.3) – CaSNP122 (43.8)	5.5	4	20.4	PN	4.4
<i>qSN4.1</i>		CaSNP152 (105.1) – CaSNP163 (108.7)	7.8	12	21.8	SN	3.9
<i>qPN5.1</i> and <i>qSN5.1</i>	Ca(LG)Chr5	CaSNP180 (6.8) – CaSNP184 (18.9)	9.7	4	28.7	PN & SN	4.9
<i>qSW5.1</i>		CaSNP186 (24.7) – CaSNP187 (25.7)	6.5	2	18.7	SW	3.9
<i>qPN5.2</i> and <i>qSN5.2</i>		CaSNP190 (38.8) – CaSNP192 (40.6)	7.2	3	18.6	PN & SN	4.5
<i>qSW6.1</i>	Ca(LG)Chr6	CaSNP198 (12.5) – CaSNP200 (19.7)	8.2	3	19.5	SW	3.2
<i>qPN6.1</i>		CaSNP206 (37.7) – CaSNP207 (40.1)	8.0	2	18.2	PN	4.1
<i>qPN6.2</i>		CaSNP211 (63.2) – CaSNP213 (68.7)	7.4	3	19.0	PN	3.8
<i>qPN7.1</i>	Ca(LG)Chr7	CaSNP240 (52.6) – CaSNP244 (55.0)	5.4	5	17.4	SW	2.7
<i>qSN7.1</i>		CaSNP250 (80.1) – CaSNP254 (85.4)	5.1	5	15.6	PN	3.2
<i>qPN8.1</i>	Ca(LG)Chr8	CaSNP290 (59.4) – CaSNP292 (62.3)	7.4	3	17.9	PN	3.7

**qPN1.1* (QTL for pod number/plant on chromosome 1 and QTL number 1), *qSN2.1* (QTL for seed number/plant on chromosome 2 and QTL number 1) and *qSW3.1* (QTL for 100-seed weight on chromosome 3 and QTL number 1)

Table S6: Comprehensive genome-wide analysis of cellulose synthase superfamily in *desi* and *kabuli* chickpea

Cellulose Synthase Gene IDs	Gene Accession IDs	Chromosomes/Scaffolds	Physical Position (bp)
<i>Ca_Kabuli_Csl1</i>	Ca_07112	Ca_Kabuli_chr1	14233203
<i>Ca_Kabuli_Csl2</i>	Ca_07110	Ca_Kabuli_chr1	14249746
<i>Ca_Kabuli_CesA1</i>	Ca_17356	Ca_Kabuli_chr1	18940345
<i>Ca_Kabuli_Csl3</i>	Ca_17352	Ca_Kabuli_chr1	19169735
<i>Ca_Kabuli_CesA2</i>	Ca_00986	Ca_Kabuli_chr3	36647913
<i>Ca_Kabuli_Csl4</i>	Ca_14854	Ca_Kabuli_chr4	36120289
<i>Ca_Kabuli_Csl5</i>	Ca_18730	Ca_Kabuli_chr5	7739265
<i>Ca_Kabuli_CesA3</i>	Ca_17942	Ca_Kabuli_chr5	16766270
<i>Ca_Kabuli_CesA4</i>	Ca_08607	Ca_Kabuli_chr6	9839639
<i>Ca_Kabuli_Csl6</i>	Ca_11218	Ca_Kabuli_chr6	22207060
<i>Ca_Kabuli_Csl7</i>	Ca_11189	Ca_Kabuli_chr6	22511996
<i>Ca_Kabuli_Csl8</i>	Ca_15222	Ca_Kabuli_chr6	32292431
<i>Ca_Kabuli_CesA5</i>	Ca_14527	Ca_Kabuli_chr7	21809443
<i>Ca_Kabuli_CesA6</i>	Ca_20248	Ca_Kabuli_chr7	40282935
<i>Ca_Kabuli_CesA7</i>	Ca_11827	Ca_Kabuli_chr8	909300
<i>Ca_Kabuli_CesA8</i>	Ca_11458	Ca_Kabuli_chr8	8231990
<i>Ca_Desi_Csl1</i>	Ca_00807	Ca_Desi_chr1	10715729
<i>Ca_Desi_CesA1</i>	Ca_02316	Ca_Desi_chr3	1625370
<i>Ca_Desi_Csl2</i>	Ca_03109	Ca_Desi_chr3	14082419
<i>Ca_Desi_CesA2</i>	Ca_03621	Ca_Desi_chr3	19910742
<i>Ca_Desi_CesA3</i>	Ca_04426	Ca_Desi_chr4	8306224
<i>Ca_Desi_CesA4</i>	Ca_06482	Ca_Desi_chr6	639996
<i>Ca_Desi_CesA5</i>	Ca_06980	Ca_Desi_chr6	6798243
<i>Ca_Desi_CesA6</i>	Ca_08059	Ca_Desi_chr8	865054
<i>Ca_Desi_CesA7</i>	Ca_20457	Ca_Desi_scaffold12422	15
<i>Ca_Desi_Csl3</i>	Ca_20864	Ca_Desi_scaffold25119	53
<i>Ca_Desi_Csl4</i>	Ca_21014	Ca_Desi_scaffold35390	149
<i>Ca_Desi_Csl5</i>	Ca_20355	Ca_Desi_scaffold11031	197
<i>Ca_Desi_Csl6</i>	Ca_18703	Ca_Desi_scaffold03965	4488
<i>Ca_Desi_CesA8</i>	Ca_16897	Ca_Desi_scaffold02088	10122
<i>Ca_Desi_Csl7</i>	Ca_17000	Ca_Desi_scaffold02145	19010
<i>Ca_Desi_Csl8</i>	Ca_11444	Ca_Desi_scaffold00227	34125
<i>Ca_Desi_CesA9</i>	Ca_13262	Ca_Desi_scaffold00580	35254
<i>Ca_Desi_Csl9</i>	Ca_11169	Ca_Desi_scaffold00173	38198
<i>Ca_Desi_CesA10</i>	Ca_20029	Ca_Desi_scaffold8364	45741
<i>Ca_Desi_CesA11</i>	Ca_13793	Ca_Desi_scaffold00725	62370
<i>Ca_Desi_Csl10</i>	Ca_13466	Ca_Desi_scaffold00624	97043
<i>Ca_Desi_CesA12</i>	Ca_10189	Ca_Desi_scaffold01355	127519

Table S7: *In vitro* pollen germination and pollen tube growth assay revealing high pollen germination and pollen tube growth efficiency in a high pod and seed number-containing chickpea accession (ICC 6013)

Replications	Numbers of pollens used		Numbers (%) of pollens showed germination and pollen tube growth	
	ICC 6013	ICC 7346	ICC 6013	ICC 7346
I	200	200	191 (95.5)	174 (87.0)
II	200	200	187 (93.5)	176 (88.0)
III	200	200	182 (91.0)	172 (86.0)
Mean	200	200	186 (93.0)	174 (87.0)