

Genetic dissection of seed-iron and zinc concentrations in chickpea

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Table S1. 24405 genome-wide SNPs identified using reference *kabuli* genome- and *de novo*-based GBS assay in chickpea

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

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
38	CakSNP38	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	425076	(A/G)
39	CakSNP39	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435259	(A/G)
40	CakSNP40	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435274	(G/T)
41	CakSNP41	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435280	(T/C)
42	CakSNP42	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435297	(G/A)
43	CakSNP43	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435304	(G/T)
44	CakSNP44	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435343	(C/A)
45	CakSNP45	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435338	(T/C)
46	CakSNP46	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	435264	(G/T)
47	CakSNP47	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	441283	(G/A)
48	CakSNP48	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	441286	(C/T)
49	CakSNP49	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	441288	(T/A)
50	CakSNP50	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	441343	(T/A)
51	CakSNP51	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	446409	(T/C)
52	CakSNP52	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	446443	(A/G)
53	CakSNP53	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	446484	(C/T)
54	CakSNP54	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	446558	(G/T)
55	CakSNP55	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	459968	(T/G)
56	CakSNP56	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	464039	(A/C)
57	CakSNP57	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	464040	(G/C)
58	CakSNP58	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	464043	(C/G)
59	CakSNP59	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	471007	(C/T)
60	CakSNP60	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	471037	(C/T)
61	CakSNP61	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	527271	(T/G)
62	CakSNP62	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	527321	(C/T)
63	CakSNP63	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	554581	(G/T)
64	CakSNP64	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	554677	(G/A)
65	CakSNP65	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	571020	(T/G)
66	CakSNP66	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	591609	(T/C)
67	CakSNP67	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	609709	(A/G)
68	CakSNP68	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	609671	(C/T)
69	CakSNP69	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	609669	(C/G)
70	CakSNP70	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	644318	(C/T)
71	CakSNP71	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	644353	(G/A)
72	CakSNP72	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	644359	(T/A)
73	CakSNP73	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	644440	(T/C)
74	CakSNP74	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	644425	(G/A)
75	CakSNP75	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	661882	(A/G)
76	CakSNP76	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	662341	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
77	CakSNP77	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	662489	(T/A)
78	CakSNP78	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	671420	(C/A)
79	CakSNP79	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	671410	(T/C)
80	CakSNP80	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	671391	(T/C)
81	CakSNP81	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	671389	(A/G)
82	CakSNP82	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	671388	(A/T)
83	CakSNP83	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	690156	(C/A)
84	CakSNP84	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	690431	(G/A)
85	CakSNP85	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	691102	(A/T)
86	CakSNP86	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	695962	(A/C)
87	CakSNP87	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	712110	(T/C)
88	CakSNP88	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	712073	(C/T)
89	CakSNP89	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	741514	(G/T)
90	CakSNP90	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	741535	(C/T)
91	CakSNP91	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	741565	(T/C)
92	CakSNP92	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	741549	(C/T)
93	CakSNP93	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	741980	(C/G)
94	CakSNP94	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	742043	(G/A)
95	CakSNP95	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	742026	(T/G)
96	CakSNP96	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	750693	(C/T)
97	CakSNP97	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	777273	(C/T)
98	CakSNP98	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	777240	(G/A)
99	CakSNP99	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	790004	(A/C)
100	CakSNP100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	790000	(C/T)
101	CakSNP101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	790102	(G/T)
102	CakSNP102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	864205	(T/C)
103	CakSNP103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	864382	(T/C)
104	CakSNP104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	864381	(G/A)
105	CakSNP105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	864351	(T/C)
106	CakSNP106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	866872	(T/C)
107	CakSNP107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	872443	(G/T)
108	CakSNP108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	872452	(C/T)
109	CakSNP109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	876616	(T/C)
110	CakSNP110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	876633	(T/A)
111	CakSNP111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	881543	(C/A)
112	CakSNP112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	881673	(G/A)
113	CakSNP113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	881703	(G/T)
114	CakSNP114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	890949	(G/A)
115	CakSNP115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	890948	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
116	CakSNP116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	910486	(T/A)
117	CakSNP117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	970315	(A/T)
118	CakSNP118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	996439	(T/C)
119	CakSNP119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1007698	(A/G)
120	CakSNP120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1008895	(A/G)
121	CakSNP121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1008971	(C/G)
122	CakSNP122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1009058	(A/C)
123	CakSNP123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1018966	(C/G)
124	CakSNP124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1020800	(A/G)
125	CakSNP125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1023550	(C/T)
126	CakSNP126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1023538	(T/C)
127	CakSNP127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1032734	(A/T)
128	CakSNP128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1059209	(A/G)
129	CakSNP129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1059311	(A/G)
130	CakSNP130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1083274	(T/C)
131	CakSNP131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1083388	(G/A)
132	CakSNP132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1083403	(C/T)
133	CakSNP133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085228	(A/C)
134	CakSNP134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085230	(T/G)
135	CakSNP135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085238	(A/G)
136	CakSNP136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085254	(A/C)
137	CakSNP137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085263	(A/C)
138	CakSNP138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085293	(G/A)
139	CakSNP139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1085348	(G/A)
140	CakSNP140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1091548	(T/A)
141	CakSNP141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1091534	(A/C)
142	CakSNP142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1091504	(C/T)
143	CakSNP143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1098703	(C/G)
144	CakSNP144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1098789	(A/G)
145	CakSNP145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1115668	(C/T)
146	CakSNP146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1115809	(A/G)
147	CakSNP147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1116043	(C/T)
148	CakSNP148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1140313	(A/C)
149	CakSNP149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1140405	(A/T)
150	CakSNP150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1150973	(C/T)
151	CakSNP151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1159383	(C/A)
152	CakSNP152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1159411	(T/G)
153	CakSNP153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1215024	(T/C)
154	CakSNP154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1269212	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
155	CakSNP155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1269180	(C/A)
156	CakSNP156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1278884	(G/T)
157	CakSNP157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1278997	(T/A)
158	CakSNP158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1295527	(T/G)
159	CakSNP159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1335518	(A/C)
160	CakSNP160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1385553	(C/A)
161	CakSNP161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1385554	(G/T)
162	CakSNP162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1390073	(A/G)
163	CakSNP163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411348	(C/T)
164	CakSNP164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411351	(A/C)
165	CakSNP165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411501	(C/T)
166	CakSNP166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411498	(T/A)
167	CakSNP167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411495	(A/G)
168	CakSNP168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1411490	(T/C)
169	CakSNP169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1428222	(C/G)
170	CakSNP170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1428251	(T/G)
171	CakSNP171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1428264	(T/G)
172	CakSNP172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1434121	(A/G)
173	CakSNP173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1434883	(A/G)
174	CakSNP174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1434875	(A/G)
175	CakSNP175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1449848	(G/A)
176	CakSNP176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1449913	(T/G)
177	CakSNP177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1449949	(G/A)
178	CakSNP178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1449980	(A/G)
179	CakSNP179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1461574	(T/A)
180	CakSNP180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1461600	(T/C)
181	CakSNP181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1467056	(A/G)
182	CakSNP182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1527513	(A/G)
183	CakSNP183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1528325	(G/A)
184	CakSNP184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1533723	(G/A)
185	CakSNP185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1546679	(G/C)
186	CakSNP186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1599821	(A/G)
187	CakSNP187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1654823	(C/T)
188	CakSNP188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1654855	(A/C)
189	CakSNP189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1655018	(G/A)
190	CakSNP190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1655012	(G/T)
191	CakSNP191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1693010	(T/A)
192	CakSNP192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1693013	(C/T)
193	CakSNP193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1693022	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
194	CakSNP194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1693023	(T/C)
195	CakSNP195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1693031	(C/A)
196	CakSNP196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1738179	(G/C)
197	CakSNP197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1772813	(T/C)
198	CakSNP198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782760	(G/A)
199	CakSNP199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782793	(G/T)
200	CakSNP200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782808	(G/C)
201	CakSNP201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782953	(G/A)
202	CakSNP202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782948	(T/C)
203	CakSNP203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782930	(G/A)
204	CakSNP204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1782929	(C/T)
205	CakSNP205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1783207	(G/A)
206	CakSNP206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1783277	(G/A)
207	CakSNP207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1783280	(A/C)
208	CakSNP208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1783342	(A/T)
209	CakSNP209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1783923	(C/A)
210	CakSNP210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1784006	(T/C)
211	CakSNP211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1788958	(T/A)
212	CakSNP212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1789087	(T/C)
213	CakSNP213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1802992	(C/G)
214	CakSNP214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858073	(C/T)
215	CakSNP215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858078	(T/C)
216	CakSNP216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858084	(C/T)
217	CakSNP217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858132	(T/A)
218	CakSNP218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858156	(C/T)
219	CakSNP219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858177	(T/C)
220	CakSNP220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858159	(A/G)
221	CakSNP221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858509	(C/T)
222	CakSNP222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858608	(T/A)
223	CakSNP223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1858600	(G/A)
224	CakSNP224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1859789	(C/T)
225	CakSNP225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1859857	(A/G)
226	CakSNP226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1859914	(G/A)
227	CakSNP227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1859902	(G/A)
228	CakSNP228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1861696	(C/T)
229	CakSNP229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1861707	(T/G)
230	CakSNP230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1861722	(T/A)
231	CakSNP231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1861729	(T/C)
232	CakSNP232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1861837	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
233	CakSNP233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1904233	(T/C)
234	CakSNP234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1904230	(G/T)
235	CakSNP235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1904365	(G/A)
236	CakSNP236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1904391	(A/G)
237	CakSNP237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1935729	(A/G)
238	CakSNP238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1962876	(A/G)
239	CakSNP239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	1968828	(G/A)
240	CakSNP240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2002844	(G/A)
241	CakSNP241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2002922	(G/T)
242	CakSNP242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2040943	(C/T)
243	CakSNP243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2040946	(G/T)
244	CakSNP244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041027	(C/G)
245	CakSNP245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041190	(A/C)
246	CakSNP246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041180	(T/C)
247	CakSNP247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041178	(A/C)
248	CakSNP248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041174	(C/T)
249	CakSNP249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041154	(G/C)
250	CakSNP250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2041132	(C/T)
251	CakSNP251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2042071	(C/G)
252	CakSNP252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2042185	(T/C)
253	CakSNP253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2042152	(G/C)
254	CakSNP254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2042149	(G/T)
255	CakSNP255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044338	(G/A)
256	CakSNP256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044304	(A/C)
257	CakSNP257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044289	(A/G)
258	CakSNP258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044263	(A/C)
259	CakSNP259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044359	(C/T)
260	CakSNP260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044374	(C/G)
261	CakSNP261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044380	(G/C)
262	CakSNP262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044408	(A/C)
263	CakSNP263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044414	(G/A)
264	CakSNP264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2044474	(A/G)
265	CakSNP265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050232	(A/T)
266	CakSNP266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050187	(C/G)
267	CakSNP267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050479	(A/C)
268	CakSNP268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050469	(T/C)
269	CakSNP269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050467	(A/C)
270	CakSNP270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050465	(A/G)
271	CakSNP271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050463	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
272	CakSNP272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050443	(G/C)
273	CakSNP273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2050421	(C/T)
274	CakSNP274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2051360	(A/G)
275	CakSNP275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2051375	(G/T)
276	CakSNP276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2051379	(C/T)
277	CakSNP277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053732	(C/T)
278	CakSNP278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053744	(C/A)
279	CakSNP279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053749	(T/A)
280	CakSNP280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053756	(G/T)
281	CakSNP281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053757	(C/T)
282	CakSNP282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053758	(A/G)
283	CakSNP283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053784	(C/A)
284	CakSNP284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053788	(A/G)
285	CakSNP285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053790	(G/A)
286	CakSNP286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053808	(G/T)
287	CakSNP287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053856	(T/G)
288	CakSNP288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053843	(T/A)
289	CakSNP289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053841	(C/A)
290	CakSNP290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053840	(A/C)
291	CakSNP291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053833	(T/G)
292	CakSNP292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053830	(A/G)
293	CakSNP293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053819	(C/A)
294	CakSNP294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2053818	(G/C)
295	CakSNP295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071456	(T/A)
296	CakSNP296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071448	(A/T)
297	CakSNP297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071424	(T/A)
298	CakSNP298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071708	(C/G)
299	CakSNP299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071703	(A/C)
300	CakSNP300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071699	(T/C)
301	CakSNP301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071693	(T/C)
302	CakSNP302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071691	(A/C)
303	CakSNP303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071689	(A/G)
304	CakSNP304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071687	(C/T)
305	CakSNP305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071667	(G/C)
306	CakSNP306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2071645	(C/T)
307	CakSNP307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2072613	(G/A)
308	CakSNP308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2072627	(A/T)
309	CakSNP309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2074998	(A/C)
310	CakSNP310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075087	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
311	CakSNP311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075057	(G/T)
312	CakSNP312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075045	(C/A)
313	CakSNP313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075044	(A/G)
314	CakSNP314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075043	(C/A)
315	CakSNP315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075015	(G/A)
316	CakSNP316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075013	(A/G)
317	CakSNP317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2075009	(C/A)
318	CakSNP318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2082760	(C/G)
319	CakSNP319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2082801	(G/A)
320	CakSNP320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2083003	(G/C)
321	CakSNP321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2083059	(A/T)
322	CakSNP322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2126267	(G/A)
323	CakSNP323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2148583	(T/G)
324	CakSNP324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2170090	(G/C)
325	CakSNP325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2170935	(A/C)
326	CakSNP326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2172076	(T/C)
327	CakSNP327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2172113	(G/A)
328	CakSNP328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2172143	(T/G)
329	CakSNP329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2172149	(G/A)
330	CakSNP330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2183544	(A/G)
331	CakSNP331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2188472	(T/C)
332	CakSNP332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2232724	(A/G)
333	CakSNP333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2232764	(C/T)
334	CakSNP334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2232779	(A/G)
335	CakSNP335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252270	(C/T)
336	CakSNP336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252320	(G/T)
337	CakSNP337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252328	(C/A)
338	CakSNP338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252342	(C/T)
339	CakSNP339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252343	(G/T)
340	CakSNP340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252463	(T/C)
341	CakSNP341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252401	(A/G)
342	CakSNP342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252496	(C/A)
343	CakSNP343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2252513	(C/T)
344	CakSNP344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2269319	(T/G)
345	CakSNP345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2269489	(A/C)
346	CakSNP346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2277459	(G/A)
347	CakSNP347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2285879	(G/A)
348	CakSNP348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2287408	(A/T)
349	CakSNP349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2287478	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
350	CakSNP350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2366413	(T/C)
351	CakSNP351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2366409	(T/A)
352	CakSNP352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2373166	(A/G)
353	CakSNP353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2373862	(G/A)
354	CakSNP354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2373910	(C/T)
355	CakSNP355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2373954	(G/T)
356	CakSNP356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2395842	(A/C)
357	CakSNP357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2400799	(T/G)
358	CakSNP358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2400892	(C/T)
359	CakSNP359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2428531	(A/G)
360	CakSNP360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2439915	(A/G)
361	CakSNP361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2439917	(G/A)
362	CakSNP362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2473309	(T/C)
363	CakSNP363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513476	(T/A)
364	CakSNP364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513516	(T/A)
365	CakSNP365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513535	(T/C)
366	CakSNP366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513737	(T/C)
367	CakSNP367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513860	(G/A)
368	CakSNP368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513854	(G/A)
369	CakSNP369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513792	(A/G)
370	CakSNP370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2513914	(T/C)
371	CakSNP371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2542652	(G/A)
372	CakSNP372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2649822	(G/C)
373	CakSNP373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2649864	(C/A)
374	CakSNP374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2649921	(T/C)
375	CakSNP375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2649906	(C/T)
376	CakSNP376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2649974	(A/C)
377	CakSNP377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2671403	(G/T)
378	CakSNP378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2694584	(T/C)
379	CakSNP379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2745499	(C/A)
380	CakSNP380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2745514	(A/C)
381	CakSNP381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2745519	(G/C)
382	CakSNP382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2745486	(C/T)
383	CakSNP383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2754998	(C/T)
384	CakSNP384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755012	(C/T)
385	CakSNP385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755013	(T/A)
386	CakSNP386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755015	(T/C)
387	CakSNP387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755443	(T/A)
388	CakSNP388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755455	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
389	CakSNP389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755457	(C/T)
390	CakSNP390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755459	(T/G)
391	CakSNP391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755465	(T/A)
392	CakSNP392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755466	(C/G)
393	CakSNP393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755470	(A/T)
394	CakSNP394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755471	(C/A)
395	CakSNP395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755489	(G/A)
396	CakSNP396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755494	(T/C)
397	CakSNP397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755496	(A/G)
398	CakSNP398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755613	(G/T)
399	CakSNP399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755604	(A/C)
400	CakSNP400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2755596	(C/A)
401	CakSNP401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2757711	(T/G)
402	CakSNP402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2757696	(A/G)
403	CakSNP403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2757693	(C/T)
404	CakSNP404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2757678	(A/G)
405	CakSNP405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758781	(G/C)
406	CakSNP406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758759	(G/C)
407	CakSNP407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758750	(A/G)
408	CakSNP408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758746	(G/A)
409	CakSNP409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758739	(A/T)
410	CakSNP410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758738	(T/G)
411	CakSNP411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758859	(A/T)
412	CakSNP412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758835	(T/A)
413	CakSNP413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2758827	(A/T)
414	CakSNP414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2787006	(C/T)
415	CakSNP415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2786994	(A/C)
416	CakSNP416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2786989	(T/C)
417	CakSNP417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2786976	(A/C)
418	CakSNP418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2786974	(T/C)
419	CakSNP419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2786970	(T/A)
420	CakSNP420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2807605	(G/C)
421	CakSNP421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2807616	(G/A)
422	CakSNP422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2808197	(T/C)
423	CakSNP423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2808170	(T/G)
424	CakSNP424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2832792	(G/A)
425	CakSNP425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2832969	(G/A)
426	CakSNP426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2832939	(G/T)
427	CakSNP427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2833448	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
428	CakSNP428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855919	(T/G)
429	CakSNP429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855926	(T/A)
430	CakSNP430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855927	(T/A)
431	CakSNP431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855941	(T/G)
432	CakSNP432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855962	(A/G)
433	CakSNP433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2855969	(C/T)
434	CakSNP434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856003	(T/C)
435	CakSNP435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856045	(C/T)
436	CakSNP436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856079	(T/G)
437	CakSNP437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856094	(T/G)
438	CakSNP438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856120	(T/G)
439	CakSNP439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2856534	(T/A)
440	CakSNP440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2858263	(A/G)
441	CakSNP441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2858278	(T/A)
442	CakSNP442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2858287	(G/T)
443	CakSNP443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2858299	(C/A)
444	CakSNP444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2868942	(G/A)
445	CakSNP445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881315	(T/C)
446	CakSNP446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881321	(C/A)
447	CakSNP447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881323	(A/T)
448	CakSNP448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881327	(C/T)
449	CakSNP449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881356	(C/A)
450	CakSNP450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881357	(A/T)
451	CakSNP451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881422	(T/C)
452	CakSNP452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881389	(G/C)
453	CakSNP453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2881386	(G/T)
454	CakSNP454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883625	(T/A)
455	CakSNP455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883634	(T/A)
456	CakSNP456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883635	(A/G)
457	CakSNP457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883660	(C/G)
458	CakSNP458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883666	(G/A)
459	CakSNP459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883684	(G/T)
460	CakSNP460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883717	(C/A)
461	CakSNP461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883716	(A/C)
462	CakSNP462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2883709	(A/G)
463	CakSNP463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885508	(T/C)
464	CakSNP464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885525	(T/C)
465	CakSNP465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885531	(C/T)
466	CakSNP466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885626	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
467	CakSNP467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885673	(G/C)
468	CakSNP468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885892	(T/A)
469	CakSNP469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885906	(C/T)
470	CakSNP470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885923	(C/G)
471	CakSNP471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2886025	(A/G)
472	CakSNP472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2886020	(G/T)
473	CakSNP473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2886015	(G/A)
474	CakSNP474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2886005	(G/A)
475	CakSNP475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885997	(G/A)
476	CakSNP476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885988	(C/G)
477	CakSNP477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2885987	(T/A)
478	CakSNP478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	2948211	(C/T)
479	CakSNP479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3009417	(C/T)
480	CakSNP480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3032061	(C/A)
481	CakSNP481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3081723	(G/T)
482	CakSNP482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3081851	(T/G)
483	CakSNP483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3081850	(C/A)
484	CakSNP484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3082280	(G/A)
485	CakSNP485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3151007	(G/A)
486	CakSNP486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3150986	(T/C)
487	CakSNP487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3150964	(C/G)
488	CakSNP488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3259114	(G/A)
489	CakSNP489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3259117	(G/C)
490	CakSNP490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3259177	(G/C)
491	CakSNP491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3298327	(C/G)
492	CakSNP492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3298783	(T/G)
493	CakSNP493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3359148	(C/A)
494	CakSNP494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3364952	(A/C)
495	CakSNP495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3374375	(G/A)
496	CakSNP496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3427555	(A/C)
497	CakSNP497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3427649	(A/G)
498	CakSNP498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3503059	(C/A)
499	CakSNP499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3503153	(G/A)
500	CakSNP500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3542263	(A/C)
501	CakSNP501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3544948	(A/T)
502	CakSNP502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3545011	(G/A)
503	CakSNP503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3564342	(G/T)
504	CakSNP504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3596241	(C/T)
505	CakSNP505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3597842	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
506	CakSNP506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3605582	(G/A)
507	CakSNP507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3605583	(C/T)
508	CakSNP508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3609580	(T/C)
509	CakSNP509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3611231	(C/A)
510	CakSNP510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3614966	(A/G)
511	CakSNP511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3615037	(G/T)
512	CakSNP512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3615064	(T/C)
513	CakSNP513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3615052	(C/A)
514	CakSNP514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3622757	(C/T)
515	CakSNP515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3711498	(T/G)
516	CakSNP516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3711525	(T/G)
517	CakSNP517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3751865	(G/T)
518	CakSNP518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3777223	(C/T)
519	CakSNP519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3810931	(T/C)
520	CakSNP520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3852035	(A/C)
521	CakSNP521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3852476	(A/C)
522	CakSNP522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3853408	(T/C)
523	CakSNP523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3855229	(G/A)
524	CakSNP524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3891319	(T/C)
525	CakSNP525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3911547	(G/A)
526	CakSNP526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3941250	(C/T)
527	CakSNP527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3941399	(T/C)
528	CakSNP528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3952819	(G/A)
529	CakSNP529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3956031	(T/C)
530	CakSNP530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3956028	(C/T)
531	CakSNP531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	3972671	(G/T)
532	CakSNP532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4048854	(G/A)
533	CakSNP533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4048875	(A/T)
534	CakSNP534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4073941	(A/C)
535	CakSNP535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4112929	(A/T)
536	CakSNP536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4189333	(C/T)
537	CakSNP537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4189297	(T/C)
538	CakSNP538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4245058	(C/G)
539	CakSNP539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4245073	(C/G)
540	CakSNP540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4245176	(G/T)
541	CakSNP541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4292981	(G/C)
542	CakSNP542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4302669	(G/C)
543	CakSNP543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4302770	(A/C)
544	CakSNP544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4302751	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
545	CakSNP545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4334299	(A/T)
546	CakSNP546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4334336	(A/G)
547	CakSNP547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4372257	(A/G)
548	CakSNP548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4375710	(T/C)
549	CakSNP549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4385002	(C/T)
550	CakSNP550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4386114	(T/G)
551	CakSNP551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4386111	(T/C)
552	CakSNP552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4392680	(A/G)
553	CakSNP553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4414410	(A/T)
554	CakSNP554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4423984	(A/G)
555	CakSNP555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4429044	(C/T)
556	CakSNP556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4432569	(A/G)
557	CakSNP557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4432549	(C/T)
558	CakSNP558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4432545	(C/A)
559	CakSNP559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4432541	(C/A)
560	CakSNP560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4456662	(G/A)
561	CakSNP561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4456654	(A/C)
562	CakSNP562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4456648	(T/C)
563	CakSNP563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4457588	(A/G)
564	CakSNP564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4460112	(A/T)
565	CakSNP565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4494270	(C/T)
566	CakSNP566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4494467	(A/G)
567	CakSNP567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4512566	(T/C)
568	CakSNP568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4528117	(A/G)
569	CakSNP569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4528184	(C/T)
570	CakSNP570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4530304	(T/C)
571	CakSNP571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4560792	(C/T)
572	CakSNP572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4560920	(G/A)
573	CakSNP573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4569669	(T/A)
574	CakSNP574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4569670	(T/A)
575	CakSNP575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4569690	(A/G)
576	CakSNP576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4571615	(T/C)
577	CakSNP577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4571540	(C/G)
578	CakSNP578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4571539	(G/A)
579	CakSNP579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4576888	(A/G)
580	CakSNP580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4578967	(T/G)
581	CakSNP581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4578999	(T/A)
582	CakSNP582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4582189	(C/T)
583	CakSNP583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4626099	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
584	CakSNP584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4626098	(C/G)
585	CakSNP585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4631467	(G/A)
586	CakSNP586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4632188	(G/A)
587	CakSNP587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4632965	(G/A)
588	CakSNP588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4634413	(C/T)
589	CakSNP589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4635347	(G/A)
590	CakSNP590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4635302	(A/C)
591	CakSNP591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4662564	(A/G)
592	CakSNP592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4672439	(G/A)
593	CakSNP593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4715563	(T/C)
594	CakSNP594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4780330	(C/T)
595	CakSNP595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4780345	(G/T)
596	CakSNP596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4781362	(C/T)
597	CakSNP597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4781416	(G/A)
598	CakSNP598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4781704	(G/A)
599	CakSNP599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4808910	(A/T)
600	CakSNP600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4878683	(T/C)
601	CakSNP601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4878691	(A/C)
602	CakSNP602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4878695	(T/C)
603	CakSNP603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4878823	(A/G)
604	CakSNP604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4903185	(T/A)
605	CakSNP605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4903203	(A/G)
606	CakSNP606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4903239	(G/A)
607	CakSNP607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906759	(G/C)
608	CakSNP608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906775	(A/T)
609	CakSNP609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906777	(G/T)
610	CakSNP610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906778	(T/G)
611	CakSNP611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906800	(T/G)
612	CakSNP612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906816	(A/G)
613	CakSNP613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906868	(G/C)
614	CakSNP614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906859	(T/C)
615	CakSNP615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4906854	(A/G)
616	CakSNP616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909155	(T/C)
617	CakSNP617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909286	(T/G)
618	CakSNP618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909280	(T/G)
619	CakSNP619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909271	(A/G)
620	CakSNP620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909268	(C/T)
621	CakSNP621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909261	(G/T)
622	CakSNP622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909255	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
623	CakSNP623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4909253	(A/G)
624	CakSNP624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4910497	(A/G)
625	CakSNP625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4910494	(C/A)
626	CakSNP626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4948740	(A/T)
627	CakSNP627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4949578	(A/T)
628	CakSNP628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4950457	(G/A)
629	CakSNP629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4950726	(G/T)
630	CakSNP630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4959562	(A/C)
631	CakSNP631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4995240	(T/A)
632	CakSNP632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4996404	(A/C)
633	CakSNP633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4996459	(T/C)
634	CakSNP634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4996476	(G/A)
635	CakSNP635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	4996536	(C/T)
636	CakSNP636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5071210	(A/G)
637	CakSNP637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5071195	(T/A)
638	CakSNP638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5071177	(A/G)
639	CakSNP639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5071158	(G/A)
640	CakSNP640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5072022	(C/A)
641	CakSNP641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5080342	(A/T)
642	CakSNP642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5080358	(G/A)
643	CakSNP643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5087428	(T/C)
644	CakSNP644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5096676	(A/T)
645	CakSNP645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5096650	(C/T)
646	CakSNP646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5122663	(A/G)
647	CakSNP647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5129940	(G/A)
648	CakSNP648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5138013	(A/C)
649	CakSNP649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5140801	(C/A)
650	CakSNP650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5140837	(A/T)
651	CakSNP651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5141009	(G/C)
652	CakSNP652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5140944	(C/G)
653	CakSNP653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5146658	(C/A)
654	CakSNP654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5146667	(T/G)
655	CakSNP655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5146696	(T/A)
656	CakSNP656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5164127	(A/G)
657	CakSNP657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5164136	(C/T)
658	CakSNP658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5164198	(C/A)
659	CakSNP659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5197461	(C/T)
660	CakSNP660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5197475	(T/A)
661	CakSNP661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5200250	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
662	CakSNP662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5200289	(G/T)
663	CakSNP663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5249839	(G/A)
664	CakSNP664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5249846	(A/C)
665	CakSNP665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5249868	(G/A)
666	CakSNP666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5288427	(T/C)
667	CakSNP667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5288421	(A/C)
668	CakSNP668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5304576	(A/C)
669	CakSNP669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5321398	(A/G)
670	CakSNP670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5430700	(A/C)
671	CakSNP671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5430703	(T/G)
672	CakSNP672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5430809	(G/A)
673	CakSNP673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5444130	(A/C)
674	CakSNP674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5444142	(A/T)
675	CakSNP675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5474604	(G/A)
676	CakSNP676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5477196	(T/C)
677	CakSNP677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5487535	(A/G)
678	CakSNP678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5489806	(C/G)
679	CakSNP679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5577080	(T/C)
680	CakSNP680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5629027	(G/A)
681	CakSNP681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5637388	(T/A)
682	CakSNP682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5637442	(C/T)
683	CakSNP683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5643313	(G/C)
684	CakSNP684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666178	(A/C)
685	CakSNP685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666217	(C/A)
686	CakSNP686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666260	(T/G)
687	CakSNP687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666266	(T/G)
688	CakSNP688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666263	(T/G)
689	CakSNP689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5666355	(T/G)
690	CakSNP690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5667605	(G/A)
691	CakSNP691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5702638	(C/T)
692	CakSNP692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5706858	(A/T)
693	CakSNP693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5706961	(G/T)
694	CakSNP694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5706948	(A/T)
695	CakSNP695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5706944	(T/G)
696	CakSNP696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5706920	(G/A)
697	CakSNP697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5721616	(A/T)
698	CakSNP698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5749456	(C/T)
699	CakSNP699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5791118	(T/G)
700	CakSNP700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5796146	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
701	CakSNP701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5796886	(A/G)
702	CakSNP702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5807492	(T/C)
703	CakSNP703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5812283	(G/T)
704	CakSNP704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5812298	(G/A)
705	CakSNP705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5862565	(C/T)
706	CakSNP706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5960264	(T/C)
707	CakSNP707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5978146	(G/A)
708	CakSNP708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5978289	(C/T)
709	CakSNP709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5981127	(C/T)
710	CakSNP710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	5981178	(A/G)
711	CakSNP711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6011727	(G/T)
712	CakSNP712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6011697	(T/G)
713	CakSNP713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6011689	(G/A)
714	CakSNP714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6011657	(T/C)
715	CakSNP715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6011761	(C/T)
716	CakSNP716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6017854	(A/C)
717	CakSNP717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6066972	(C/T)
718	CakSNP718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6066936	(A/G)
719	CakSNP719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6066933	(C/T)
720	CakSNP720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6067846	(T/C)
721	CakSNP721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6088283	(C/T)
722	CakSNP722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6101205	(C/T)
723	CakSNP723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6126761	(T/A)
724	CakSNP724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6126772	(G/A)
725	CakSNP725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6155341	(A/G)
726	CakSNP726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6224010	(C/G)
727	CakSNP727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6224015	(C/T)
728	CakSNP728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6249062	(T/C)
729	CakSNP729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6249035	(T/C)
730	CakSNP730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6257653	(C/G)
731	CakSNP731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6257712	(A/T)
732	CakSNP732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6259458	(T/C)
733	CakSNP733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6262461	(A/G)
734	CakSNP734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6262529	(T/G)
735	CakSNP735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6262577	(A/G)
736	CakSNP736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6278572	(T/C)
737	CakSNP737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6278625	(T/C)
738	CakSNP738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6279644	(G/T)
739	CakSNP739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6296858	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
740	CakSNP740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6296986	(C/A)
741	CakSNP741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6296929	(C/T)
742	CakSNP742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6315337	(G/T)
743	CakSNP743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6315402	(C/T)
744	CakSNP744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6315399	(T/G)
745	CakSNP745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6315397	(C/G)
746	CakSNP746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6328801	(T/A)
747	CakSNP747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6328957	(C/T)
748	CakSNP748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6328963	(A/G)
749	CakSNP749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6329805	(A/G)
750	CakSNP750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6329814	(T/A)
751	CakSNP751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6329844	(C/T)
752	CakSNP752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6329847	(A/G)
753	CakSNP753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6332229	(T/C)
754	CakSNP754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6347626	(C/T)
755	CakSNP755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6347720	(G/A)
756	CakSNP756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6381114	(T/G)
757	CakSNP757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6381191	(T/C)
758	CakSNP758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6390541	(T/A)
759	CakSNP759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6390849	(G/A)
760	CakSNP760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6391017	(T/C)
761	CakSNP761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433592	(T/G)
762	CakSNP762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433826	(G/A)
763	CakSNP763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433838	(C/T)
764	CakSNP764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433841	(C/T)
765	CakSNP765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433883	(A/G)
766	CakSNP766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433934	(T/A)
767	CakSNP767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6433925	(C/T)
768	CakSNP768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6478736	(A/G)
769	CakSNP769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6478758	(A/G)
770	CakSNP770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6486446	(G/C)
771	CakSNP771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6490978	(A/T)
772	CakSNP772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6491008	(A/T)
773	CakSNP773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6491030	(T/G)
774	CakSNP774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6491017	(T/C)
775	CakSNP775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6521670	(C/T)
776	CakSNP776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6521673	(G/A)
777	CakSNP777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6521856	(A/G)
778	CakSNP778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6521859	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
779	CakSNP779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6521970	(C/T)
780	CakSNP780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6540056	(C/T)
781	CakSNP781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6540170	(G/A)
782	CakSNP782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6553107	(A/C)
783	CakSNP783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6564716	(C/T)
784	CakSNP784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6564789	(C/T)
785	CakSNP785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6591506	(G/C)
786	CakSNP786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6591518	(G/T)
787	CakSNP787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6599917	(C/A)
788	CakSNP788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6634482	(G/C)
789	CakSNP789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6635404	(C/T)
790	CakSNP790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6635401	(T/C)
791	CakSNP791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6635366	(T/C)
792	CakSNP792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6679253	(A/G)
793	CakSNP793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6679329	(A/G)
794	CakSNP794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6803364	(G/A)
795	CakSNP795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6804031	(C/T)
796	CakSNP796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6804110	(A/T)
797	CakSNP797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6849437	(C/T)
798	CakSNP798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6849512	(G/C)
799	CakSNP799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6879110	(G/C)
800	CakSNP800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6880666	(A/G)
801	CakSNP801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6880837	(A/G)
802	CakSNP802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6904278	(A/C)
803	CakSNP803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6904313	(A/C)
804	CakSNP804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6904338	(C/T)
805	CakSNP805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	6952382	(G/T)
806	CakSNP806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7050825	(G/A)
807	CakSNP807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7050958	(C/T)
808	CakSNP808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7050953	(C/T)
809	CakSNP809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7104985	(G/T)
810	CakSNP810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7127843	(A/G)
811	CakSNP811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7136677	(T/C)
812	CakSNP812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7147651	(T/A)
813	CakSNP813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7147643	(A/G)
814	CakSNP814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7155344	(A/G)
815	CakSNP815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7155302	(A/G)
816	CakSNP816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7156354	(G/T)
817	CakSNP817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7156355	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
818	CakSNP818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7157057	(A/C)
819	CakSNP819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7157112	(T/C)
820	CakSNP820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160649	(T/C)
821	CakSNP821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160648	(A/T)
822	CakSNP822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160695	(G/A)
823	CakSNP823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160698	(A/C)
824	CakSNP824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160754	(A/T)
825	CakSNP825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160781	(A/C)
826	CakSNP826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7160773	(G/A)
827	CakSNP827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7161122	(A/G)
828	CakSNP828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7184813	(A/C)
829	CakSNP829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7184773	(G/A)
830	CakSNP830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7187934	(A/G)
831	CakSNP831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7187969	(C/G)
832	CakSNP832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7196570	(T/C)
833	CakSNP833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7196601	(T/C)
834	CakSNP834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7231750	(A/C)
835	CakSNP835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7325164	(T/A)
836	CakSNP836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7417717	(G/A)
837	CakSNP837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7417699	(G/A)
838	CakSNP838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7417788	(G/A)
839	CakSNP839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7439421	(C/T)
840	CakSNP840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7467280	(A/G)
841	CakSNP841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7478022	(G/A)
842	CakSNP842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7478046	(T/G)
843	CakSNP843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7486102	(C/T)
844	CakSNP844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7486273	(T/C)
845	CakSNP845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7486282	(G/A)
846	CakSNP846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7497334	(C/A)
847	CakSNP847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7497362	(T/C)
848	CakSNP848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7500494	(T/G)
849	CakSNP849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7500524	(T/C)
850	CakSNP850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7500665	(C/A)
851	CakSNP851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7505779	(A/T)
852	CakSNP852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7505792	(A/T)
853	CakSNP853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7515002	(T/C)
854	CakSNP854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7515605	(T/C)
855	CakSNP855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7515578	(A/C)
856	CakSNP856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	7557751	(T/G)

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857	CakSNP857	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7557811	(A/T)
858	CakSNP858	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7690613	(T/G)
859	CakSNP859	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7690620	(T/G)
860	CakSNP860	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7690625	(A/C)
861	CakSNP861	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7695844	(T/C)
862	CakSNP862	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7811388	(C/T)
863	CakSNP863	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7925666	(A/C)
864	CakSNP864	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7925801	(C/T)
865	CakSNP865	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7925774	(C/T)
866	CakSNP866	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7925738	(C/T)
867	CakSNP867	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7969202	(A/C)
868	CakSNP868	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7969694	(A/G)
869	CakSNP869	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	7969647	(G/A)
870	CakSNP870	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8036666	(C/T)
871	CakSNP871	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8036706	(A/G)
872	CakSNP872	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8036917	(T/G)
873	CakSNP873	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8036903	(A/T)
874	CakSNP874	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8075631	(A/T)
875	CakSNP875	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8103090	(G/T)
876	CakSNP876	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8103339	(T/C)
877	CakSNP877	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8103401	(T/A)
878	CakSNP878	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8107967	(A/C)
879	CakSNP879	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8108014	(C/T)
880	CakSNP880	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8111588	(G/A)
881	CakSNP881	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8112343	(C/T)
882	CakSNP882	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8113235	(G/T)
883	CakSNP883	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8113383	(T/G)
884	CakSNP884	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8113449	(T/A)
885	CakSNP885	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8113403	(A/T)
886	CakSNP886	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8113398	(C/G)
887	CakSNP887	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8123033	(A/G)
888	CakSNP888	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8123257	(A/G)
889	CakSNP889	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8123481	(A/G)
890	CakSNP890	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8134368	(T/C)
891	CakSNP891	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8178109	(T/C)
892	CakSNP892	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8178146	(G/A)
893	CakSNP893	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8192580	(T/C)
894	CakSNP894	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8220996	(T/A)
895	CakSNP895	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom1</i>	8220968	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
896	CakSNP896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8343356	(G/A)
897	CakSNP897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8389242	(G/A)
898	CakSNP898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8464621	(C/G)
899	CakSNP899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8582341	(T/C)
900	CakSNP900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8607820	(T/C)
901	CakSNP901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8607919	(A/C)
902	CakSNP902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8633598	(G/A)
903	CakSNP903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8665705	(T/G)
904	CakSNP904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8697177	(G/T)
905	CakSNP905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8698059	(T/C)
906	CakSNP906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8735740	(G/T)
907	CakSNP907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8735727	(G/C)
908	CakSNP908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8736733	(G/A)
909	CakSNP909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8736711	(G/T)
910	CakSNP910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8737380	(A/G)
911	CakSNP911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8738691	(T/G)
912	CakSNP912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8738695	(G/C)
913	CakSNP913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8767122	(T/A)
914	CakSNP914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8767121	(A/T)
915	CakSNP915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8799685	(T/G)
916	CakSNP916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8799701	(T/C)
917	CakSNP917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8799708	(T/C)
918	CakSNP918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8799758	(C/G)
919	CakSNP919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8809188	(T/A)
920	CakSNP920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8809191	(C/T)
921	CakSNP921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8809295	(A/T)
922	CakSNP922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8809517	(C/G)
923	CakSNP923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8822121	(G/T)
924	CakSNP924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8822375	(G/A)
925	CakSNP925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8822366	(T/A)
926	CakSNP926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8824856	(T/C)
927	CakSNP927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8852863	(G/T)
928	CakSNP928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8852928	(T/A)
929	CakSNP929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8852981	(C/A)
930	CakSNP930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8852957	(C/A)
931	CakSNP931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8852943	(C/A)
932	CakSNP932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8853010	(A/G)
933	CakSNP933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8854211	(G/T)
934	CakSNP934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8891438	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
935	CakSNP935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8891485	(T/G)
936	CakSNP936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8891562	(C/G)
937	CakSNP937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8891561	(G/A)
938	CakSNP938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8893985	(G/A)
939	CakSNP939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8901769	(C/A)
940	CakSNP940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8901842	(T/A)
941	CakSNP941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8941004	(A/C)
942	CakSNP942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8941029	(G/A)
943	CakSNP943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8941031	(G/C)
944	CakSNP944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8942137	(T/C)
945	CakSNP945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8942131	(T/C)
946	CakSNP946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8942198	(A/G)
947	CakSNP947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8942179	(C/G)
948	CakSNP948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8949723	(G/T)
949	CakSNP949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8960630	(T/C)
950	CakSNP950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8969321	(C/T)
951	CakSNP951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8971718	(C/G)
952	CakSNP952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8971776	(A/G)
953	CakSNP953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8976169	(A/T)
954	CakSNP954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8980112	(C/A)
955	CakSNP955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8993300	(T/C)
956	CakSNP956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	8993329	(A/C)
957	CakSNP957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9018113	(A/C)
958	CakSNP958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9031417	(G/T)
959	CakSNP959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9031825	(G/T)
960	CakSNP960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9032126	(G/A)
961	CakSNP961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9035744	(G/A)
962	CakSNP962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9040419	(T/A)
963	CakSNP963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9048675	(A/T)
964	CakSNP964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9048682	(T/G)
965	CakSNP965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9054490	(G/A)
966	CakSNP966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9065933	(T/C)
967	CakSNP967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9093812	(C/G)
968	CakSNP968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9093964	(T/A)
969	CakSNP969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097885	(A/G)
970	CakSNP970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097881	(C/G)
971	CakSNP971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097879	(C/A)
972	CakSNP972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097878	(A/G)
973	CakSNP973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097877	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
974	CakSNP974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097869	(G/T)
975	CakSNP975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097947	(C/A)
976	CakSNP976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9097949	(A/C)
977	CakSNP977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9098003	(C/T)
978	CakSNP978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9098051	(A/G)
979	CakSNP979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9105432	(C/T)
980	CakSNP980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9195312	(G/A)
981	CakSNP981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9237766	(T/G)
982	CakSNP982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9237813	(G/T)
983	CakSNP983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9269888	(T/A)
984	CakSNP984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9468041	(C/T)
985	CakSNP985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9468895	(C/A)
986	CakSNP986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9476207	(A/C)
987	CakSNP987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9476388	(A/G)
988	CakSNP988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9476385	(A/G)
989	CakSNP989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9535616	(C/T)
990	CakSNP990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9547223	(A/G)
991	CakSNP991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9547310	(A/G)
992	CakSNP992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9547854	(G/A)
993	CakSNP993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9547834	(C/T)
994	CakSNP994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9547819	(T/C)
995	CakSNP995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556418	(C/G)
996	CakSNP996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556486	(T/G)
997	CakSNP997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556487	(T/A)
998	CakSNP998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556488	(G/A)
999	CakSNP999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556588	(G/T)
1000	CakSNP1000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556604	(G/C)
1001	CakSNP1001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556628	(G/A)
1002	CakSNP1002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556735	(G/A)
1003	CakSNP1003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9556662	(C/T)
1004	CakSNP1004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9567049	(C/G)
1005	CakSNP1005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9603896	(T/A)
1006	CakSNP1006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9634823	(C/T)
1007	CakSNP1007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9647861	(G/C)
1008	CakSNP1008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9659316	(C/T)
1009	CakSNP1009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9705162	(A/C)
1010	CakSNP1010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9706910	(C/T)
1011	CakSNP1011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9737032	(C/T)
1012	CakSNP1012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9737067	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1013	CakSNP1013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9757006	(G/A)
1014	CakSNP1014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9779398	(G/A)
1015	CakSNP1015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9797342	(G/T)
1016	CakSNP1016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9810275	(T/C)
1017	CakSNP1017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9815448	(A/T)
1018	CakSNP1018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9815508	(G/C)
1019	CakSNP1019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9836198	(A/C)
1020	CakSNP1020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9896511	(C/T)
1021	CakSNP1021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9920951	(G/A)
1022	CakSNP1022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9920986	(A/C)
1023	CakSNP1023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	9932690	(C/G)
1024	CakSNP1024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10038486	(T/G)
1025	CakSNP1025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10049364	(A/G)
1026	CakSNP1026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10049469	(A/G)
1027	CakSNP1027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10142688	(A/G)
1028	CakSNP1028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10155496	(T/G)
1029	CakSNP1029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10155584	(T/C)
1030	CakSNP1030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10191578	(A/C)
1031	CakSNP1031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10201074	(C/G)
1032	CakSNP1032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10212925	(G/C)
1033	CakSNP1033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10212926	(A/C)
1034	CakSNP1034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10212948	(T/C)
1035	CakSNP1035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10212976	(T/A)
1036	CakSNP1036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10213111	(T/C)
1037	CakSNP1037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10266774	(C/T)
1038	CakSNP1038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10289781	(G/A)
1039	CakSNP1039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10340870	(G/C)
1040	CakSNP1040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10364986	(C/G)
1041	CakSNP1041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10365024	(G/A)
1042	CakSNP1042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10365029	(T/A)
1043	CakSNP1043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10366383	(G/A)
1044	CakSNP1044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10377700	(G/C)
1045	CakSNP1045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10377698	(T/C)
1046	CakSNP1046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10377691	(T/C)
1047	CakSNP1047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10377860	(T/A)
1048	CakSNP1048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10408322	(A/G)
1049	CakSNP1049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10408349	(G/T)
1050	CakSNP1050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10410479	(T/C)
1051	CakSNP1051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10439153	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1052	CakSNP1052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10439177	(T/C)
1053	CakSNP1053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10439190	(C/A)
1054	CakSNP1054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10440393	(C/T)
1055	CakSNP1055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10440430	(G/T)
1056	CakSNP1056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10440533	(C/A)
1057	CakSNP1057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10440479	(C/T)
1058	CakSNP1058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10489197	(A/G)
1059	CakSNP1059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10527733	(A/G)
1060	CakSNP1060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10551440	(T/C)
1061	CakSNP1061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10556610	(T/G)
1062	CakSNP1062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10560693	(A/G)
1063	CakSNP1063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10560690	(T/G)
1064	CakSNP1064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10567303	(A/C)
1065	CakSNP1065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10571949	(G/A)
1066	CakSNP1066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10601318	(T/G)
1067	CakSNP1067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10605977	(G/A)
1068	CakSNP1068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10623359	(T/G)
1069	CakSNP1069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10630658	(A/T)
1070	CakSNP1070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10649758	(C/T)
1071	CakSNP1071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10655633	(G/T)
1072	CakSNP1072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10657464	(T/A)
1073	CakSNP1073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10697972	(C/G)
1074	CakSNP1074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10710672	(T/G)
1075	CakSNP1075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10712235	(G/A)
1076	CakSNP1076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10713001	(T/A)
1077	CakSNP1077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10734511	(G/A)
1078	CakSNP1078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10734570	(G/A)
1079	CakSNP1079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10739374	(T/A)
1080	CakSNP1080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10761609	(G/T)
1081	CakSNP1081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10761648	(C/T)
1082	CakSNP1082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10814166	(T/C)
1083	CakSNP1083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10837203	(C/T)
1084	CakSNP1084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10861334	(A/G)
1085	CakSNP1085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10861332	(C/G)
1086	CakSNP1086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10861326	(T/G)
1087	CakSNP1087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10869338	(A/T)
1088	CakSNP1088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10869336	(G/A)
1089	CakSNP1089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10887927	(C/A)
1090	CakSNP1090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10939428	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1091	CakSNP1091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	10973356	(C/T)
1092	CakSNP1092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11065411	(T/A)
1093	CakSNP1093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11103176	(T/C)
1094	CakSNP1094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11121162	(G/A)
1095	CakSNP1095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11122665	(G/T)
1096	CakSNP1096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11191023	(G/A)
1097	CakSNP1097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11193334	(G/C)
1098	CakSNP1098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11225828	(T/C)
1099	CakSNP1099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11227614	(T/C)
1100	CakSNP1100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230086	(A/G)
1101	CakSNP1101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230109	(T/C)
1102	CakSNP1102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230115	(G/C)
1103	CakSNP1103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230116	(T/C)
1104	CakSNP1104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230118	(A/T)
1105	CakSNP1105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230125	(A/C)
1106	CakSNP1106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230126	(G/T)
1107	CakSNP1107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230127	(G/T)
1108	CakSNP1108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230128	(T/G)
1109	CakSNP1109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230133	(G/A)
1110	CakSNP1110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230972	(C/T)
1111	CakSNP1111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11230998	(A/T)
1112	CakSNP1112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11231052	(A/G)
1113	CakSNP1113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11231064	(A/G)
1114	CakSNP1114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11231077	(T/C)
1115	CakSNP1115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11235211	(C/T)
1116	CakSNP1116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11265367	(T/C)
1117	CakSNP1117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11277703	(T/A)
1118	CakSNP1118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11277964	(C/T)
1119	CakSNP1119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11284183	(T/C)
1120	CakSNP1120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11285192	(G/A)
1121	CakSNP1121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11285247	(T/C)
1122	CakSNP1122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11285291	(C/A)
1123	CakSNP1123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11291516	(G/A)
1124	CakSNP1124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11291741	(A/C)
1125	CakSNP1125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11291740	(T/A)
1126	CakSNP1126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11291737	(C/A)
1127	CakSNP1127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11319264	(A/C)
1128	CakSNP1128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11321670	(G/C)
1129	CakSNP1129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11324018	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1130	CakSNP1130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11324023	(C/T)
1131	CakSNP1131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11324035	(C/T)
1132	CakSNP1132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11324050	(G/T)
1133	CakSNP1133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11342388	(T/C)
1134	CakSNP1134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11361646	(G/A)
1135	CakSNP1135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11361588	(T/G)
1136	CakSNP1136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11361583	(T/C)
1137	CakSNP1137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11374707	(G/A)
1138	CakSNP1138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11405015	(A/G)
1139	CakSNP1139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11405118	(G/A)
1140	CakSNP1140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11423677	(C/A)
1141	CakSNP1141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11487689	(A/G)
1142	CakSNP1142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11487630	(C/A)
1143	CakSNP1143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11487752	(G/T)
1144	CakSNP1144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11502148	(C/A)
1145	CakSNP1145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11514888	(T/A)
1146	CakSNP1146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11514898	(T/C)
1147	CakSNP1147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11514903	(A/G)
1148	CakSNP1148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11515055	(G/A)
1149	CakSNP1149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11515130	(T/G)
1150	CakSNP1150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11522656	(G/T)
1151	CakSNP1151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11522743	(T/C)
1152	CakSNP1152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11522875	(C/T)
1153	CakSNP1153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11601347	(T/C)
1154	CakSNP1154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11624419	(C/G)
1155	CakSNP1155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11624464	(C/T)
1156	CakSNP1156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11669794	(T/G)
1157	CakSNP1157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11673478	(A/C)
1158	CakSNP1158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11677097	(C/A)
1159	CakSNP1159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11685769	(A/G)
1160	CakSNP1160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11685790	(T/C)
1161	CakSNP1161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11706451	(C/T)
1162	CakSNP1162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11706494	(G/C)
1163	CakSNP1163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11706583	(A/C)
1164	CakSNP1164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11706545	(C/G)
1165	CakSNP1165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11741448	(T/A)
1166	CakSNP1166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11793443	(C/A)
1167	CakSNP1167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11822248	(A/T)
1168	CakSNP1168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11822305	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1169	CakSNP1169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11822309	(C/A)
1170	CakSNP1170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11870401	(A/G)
1171	CakSNP1171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11935333	(A/T)
1172	CakSNP1172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11955896	(G/T)
1173	CakSNP1173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11955866	(G/A)
1174	CakSNP1174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	11955853	(A/T)
1175	CakSNP1175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12054809	(C/T)
1176	CakSNP1176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12189822	(T/G)
1177	CakSNP1177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12189825	(T/G)
1178	CakSNP1178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12193933	(T/G)
1179	CakSNP1179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12199691	(C/G)
1180	CakSNP1180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12236387	(T/A)
1181	CakSNP1181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12264697	(T/G)
1182	CakSNP1182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12326230	(A/G)
1183	CakSNP1183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12326234	(T/A)
1184	CakSNP1184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12326318	(C/G)
1185	CakSNP1185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12334259	(C/T)
1186	CakSNP1186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12340884	(C/T)
1187	CakSNP1187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12390756	(G/T)
1188	CakSNP1188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12390750	(T/C)
1189	CakSNP1189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12391116	(G/C)
1190	CakSNP1190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12391074	(G/A)
1191	CakSNP1191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12391067	(C/A)
1192	CakSNP1192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12413012	(G/T)
1193	CakSNP1193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12413016	(T/A)
1194	CakSNP1194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12413025	(G/C)
1195	CakSNP1195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12413116	(G/A)
1196	CakSNP1196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12414040	(G/A)
1197	CakSNP1197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12481879	(C/A)
1198	CakSNP1198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12525445	(A/G)
1199	CakSNP1199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12525640	(G/C)
1200	CakSNP1200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12566565	(C/T)
1201	CakSNP1201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12566579	(C/T)
1202	CakSNP1202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12566607	(T/C)
1203	CakSNP1203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12566615	(C/T)
1204	CakSNP1204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12566641	(T/C)
1205	CakSNP1205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12588525	(A/G)
1206	CakSNP1206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12597939	(A/T)
1207	CakSNP1207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12639552	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1208	CakSNP1208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12639584	(T/C)
1209	CakSNP1209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12687506	(C/T)
1210	CakSNP1210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12688424	(A/G)
1211	CakSNP1211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12688435	(A/C)
1212	CakSNP1212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12704406	(G/T)
1213	CakSNP1213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12705665	(C/T)
1214	CakSNP1214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12705731	(G/A)
1215	CakSNP1215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12715427	(C/T)
1216	CakSNP1216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12719734	(T/A)
1217	CakSNP1217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12719735	(G/T)
1218	CakSNP1218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12719752	(G/C)
1219	CakSNP1219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12736298	(A/G)
1220	CakSNP1220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12736353	(A/C)
1221	CakSNP1221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12736622	(T/G)
1222	CakSNP1222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12738564	(C/T)
1223	CakSNP1223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12754422	(G/T)
1224	CakSNP1224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12794075	(C/A)
1225	CakSNP1225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12794147	(G/T)
1226	CakSNP1226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12794251	(A/C)
1227	CakSNP1227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12800638	(T/C)
1228	CakSNP1228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12800610	(A/C)
1229	CakSNP1229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12800607	(T/A)
1230	CakSNP1230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12800601	(T/A)
1231	CakSNP1231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12800597	(G/T)
1232	CakSNP1232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12831717	(G/T)
1233	CakSNP1233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12845445	(A/C)
1234	CakSNP1234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12875506	(G/A)
1235	CakSNP1235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12880408	(G/A)
1236	CakSNP1236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12912621	(C/T)
1237	CakSNP1237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12912625	(T/C)
1238	CakSNP1238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12912670	(C/T)
1239	CakSNP1239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12947377	(C/T)
1240	CakSNP1240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12947376	(C/T)
1241	CakSNP1241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12947358	(A/T)
1242	CakSNP1242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12947347	(A/G)
1243	CakSNP1243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12992445	(A/C)
1244	CakSNP1244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12992423	(A/C)
1245	CakSNP1245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	12992569	(A/G)
1246	CakSNP1246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13028543	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1247	CakSNP1247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13028517	(G/A)
1248	CakSNP1248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13028505	(A/G)
1249	CakSNP1249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13034708	(T/G)
1250	CakSNP1250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13034810	(G/A)
1251	CakSNP1251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13040664	(T/C)
1252	CakSNP1252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13066954	(C/T)
1253	CakSNP1253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13066968	(C/G)
1254	CakSNP1254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13076647	(T/A)
1255	CakSNP1255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13076695	(G/A)
1256	CakSNP1256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13156473	(A/C)
1257	CakSNP1257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13158244	(C/T)
1258	CakSNP1258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13158201	(C/T)
1259	CakSNP1259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13158192	(T/C)
1260	CakSNP1260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13199761	(T/A)
1261	CakSNP1261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13202986	(T/G)
1262	CakSNP1262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13202991	(T/G)
1263	CakSNP1263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13216776	(G/T)
1264	CakSNP1264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13216741	(T/A)
1265	CakSNP1265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13216710	(G/A)
1266	CakSNP1266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13267896	(T/C)
1267	CakSNP1267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13282556	(A/G)
1268	CakSNP1268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13282552	(T/C)
1269	CakSNP1269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13316992	(C/A)
1270	CakSNP1270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13331955	(T/A)
1271	CakSNP1271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13331941	(C/T)
1272	CakSNP1272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13332015	(C/A)
1273	CakSNP1273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13332025	(T/G)
1274	CakSNP1274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13365594	(T/A)
1275	CakSNP1275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13365625	(C/G)
1276	CakSNP1276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13368341	(G/A)
1277	CakSNP1277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13368556	(T/A)
1278	CakSNP1278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13369730	(G/A)
1279	CakSNP1279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13369986	(C/A)
1280	CakSNP1280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13497572	(G/T)
1281	CakSNP1281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13549635	(T/C)
1282	CakSNP1282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13550600	(G/A)
1283	CakSNP1283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13560364	(T/G)
1284	CakSNP1284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13590903	(G/T)
1285	CakSNP1285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13591177	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1286	CakSNP1286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13591203	(C/G)
1287	CakSNP1287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13591314	(C/T)
1288	CakSNP1288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13593931	(T/A)
1289	CakSNP1289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596411	(G/T)
1290	CakSNP1290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596528	(T/A)
1291	CakSNP1291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596539	(A/G)
1292	CakSNP1292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596666	(T/A)
1293	CakSNP1293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596659	(T/A)
1294	CakSNP1294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596631	(C/T)
1295	CakSNP1295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596621	(C/T)
1296	CakSNP1296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596741	(C/T)
1297	CakSNP1297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13596771	(C/A)
1298	CakSNP1298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13607486	(A/C)
1299	CakSNP1299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13608414	(T/C)
1300	CakSNP1300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13637705	(G/T)
1301	CakSNP1301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13637688	(A/G)
1302	CakSNP1302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13637687	(C/T)
1303	CakSNP1303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13637684	(C/T)
1304	CakSNP1304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13639157	(T/C)
1305	CakSNP1305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641517	(A/G)
1306	CakSNP1306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641644	(G/A)
1307	CakSNP1307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641615	(A/G)
1308	CakSNP1308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641608	(G/T)
1309	CakSNP1309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641574	(A/C)
1310	CakSNP1310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13641564	(G/A)
1311	CakSNP1311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13668759	(T/A)
1312	CakSNP1312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13680002	(G/T)
1313	CakSNP1313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13680008	(G/C)
1314	CakSNP1314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13762410	(C/A)
1315	CakSNP1315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13769805	(C/T)
1316	CakSNP1316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13769771	(T/C)
1317	CakSNP1317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13782049	(C/T)
1318	CakSNP1318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13814790	(T/C)
1319	CakSNP1319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13828703	(C/T)
1320	CakSNP1320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13828659	(G/A)
1321	CakSNP1321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13828657	(G/A)
1322	CakSNP1322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13828744	(A/T)
1323	CakSNP1323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	13991356	(T/G)
1324	CakSNP1324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14014566	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1325	CakSNP1325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14015757	(T/C)
1326	CakSNP1326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14015781	(G/C)
1327	CakSNP1327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14015818	(C/T)
1328	CakSNP1328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14022892	(C/A)
1329	CakSNP1329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14022890	(A/T)
1330	CakSNP1330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14023097	(A/C)
1331	CakSNP1331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14023095	(T/A)
1332	CakSNP1332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14023078	(T/A)
1333	CakSNP1333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14025015	(G/A)
1334	CakSNP1334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14025075	(A/G)
1335	CakSNP1335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14026347	(C/G)
1336	CakSNP1336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14026391	(T/C)
1337	CakSNP1337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14026467	(C/T)
1338	CakSNP1338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14026444	(G/T)
1339	CakSNP1339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14026437	(C/A)
1340	CakSNP1340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14033226	(C/T)
1341	CakSNP1341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14033285	(C/T)
1342	CakSNP1342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14033277	(G/C)
1343	CakSNP1343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14033951	(G/A)
1344	CakSNP1344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14034011	(A/G)
1345	CakSNP1345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14045110	(T/C)
1346	CakSNP1346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14045239	(A/G)
1347	CakSNP1347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14076924	(T/C)
1348	CakSNP1348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14101608	(C/T)
1349	CakSNP1349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14101621	(T/C)
1350	CakSNP1350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14101624	(C/T)
1351	CakSNP1351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14101644	(A/G)
1352	CakSNP1352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14163638	(C/T)
1353	CakSNP1353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14163721	(T/C)
1354	CakSNP1354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14163836	(A/C)
1355	CakSNP1355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14225210	(G/T)
1356	CakSNP1356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14237163	(T/G)
1357	CakSNP1357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14237164	(T/A)
1358	CakSNP1358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14237273	(A/T)
1359	CakSNP1359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14240571	(C/T)
1360	CakSNP1360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14259435	(G/C)
1361	CakSNP1361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14259455	(A/G)
1362	CakSNP1362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14281643	(T/C)
1363	CakSNP1363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14348207	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1364	CakSNP1364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14393255	(A/G)
1365	CakSNP1365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14393313	(C/A)
1366	CakSNP1366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14459908	(T/C)
1367	CakSNP1367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14576525	(C/T)
1368	CakSNP1368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14623271	(T/C)
1369	CakSNP1369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14698461	(A/T)
1370	CakSNP1370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14801406	(A/G)
1371	CakSNP1371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14884940	(G/T)
1372	CakSNP1372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	14916633	(G/C)
1373	CakSNP1373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15126244	(T/C)
1374	CakSNP1374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15137319	(C/T)
1375	CakSNP1375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15146123	(A/G)
1376	CakSNP1376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15146149	(G/A)
1377	CakSNP1377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15167641	(T/C)
1378	CakSNP1378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15167643	(G/A)
1379	CakSNP1379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15196154	(T/A)
1380	CakSNP1380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15236202	(A/G)
1381	CakSNP1381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15253283	(G/A)
1382	CakSNP1382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15253285	(A/G)
1383	CakSNP1383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15291748	(C/T)
1384	CakSNP1384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15319181	(T/C)
1385	CakSNP1385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15611784	(T/C)
1386	CakSNP1386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15613071	(A/C)
1387	CakSNP1387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15683091	(G/A)
1388	CakSNP1388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15683101	(A/C)
1389	CakSNP1389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15683106	(C/A)
1390	CakSNP1390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15683117	(G/T)
1391	CakSNP1391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15683138	(A/G)
1392	CakSNP1392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15760638	(C/A)
1393	CakSNP1393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15784021	(C/T)
1394	CakSNP1394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15802393	(G/A)
1395	CakSNP1395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15862493	(C/T)
1396	CakSNP1396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15960425	(A/C)
1397	CakSNP1397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	15965278	(G/A)
1398	CakSNP1398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061242	(A/G)
1399	CakSNP1399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061293	(C/G)
1400	CakSNP1400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061294	(T/A)
1401	CakSNP1401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061295	(A/G)
1402	CakSNP1402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061300	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1403	CakSNP1403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061385	(A/G)
1404	CakSNP1404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061486	(G/A)
1405	CakSNP1405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061541	(G/A)
1406	CakSNP1406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16061536	(A/C)
1407	CakSNP1407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16081438	(T/C)
1408	CakSNP1408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099437	(T/G)
1409	CakSNP1409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099438	(G/A)
1410	CakSNP1410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099468	(G/A)
1411	CakSNP1411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099444	(T/C)
1412	CakSNP1412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099459	(T/C)
1413	CakSNP1413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16099457	(T/C)
1414	CakSNP1414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16104255	(G/T)
1415	CakSNP1415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16104351	(G/A)
1416	CakSNP1416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16104334	(T/G)
1417	CakSNP1417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16104298	(C/T)
1418	CakSNP1418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16114607	(C/A)
1419	CakSNP1419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16196930	(A/G)
1420	CakSNP1420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16228049	(C/A)
1421	CakSNP1421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16228039	(C/A)
1422	CakSNP1422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16289397	(G/A)
1423	CakSNP1423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16329161	(G/A)
1424	CakSNP1424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16376254	(G/T)
1425	CakSNP1425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16379239	(A/G)
1426	CakSNP1426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16379258	(C/T)
1427	CakSNP1427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16410186	(C/T)
1428	CakSNP1428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16419469	(C/T)
1429	CakSNP1429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16454432	(C/T)
1430	CakSNP1430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16454487	(G/C)
1431	CakSNP1431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16493894	(A/G)
1432	CakSNP1432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16512011	(G/T)
1433	CakSNP1433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16512026	(C/T)
1434	CakSNP1434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16512171	(G/A)
1435	CakSNP1435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16512195	(G/A)
1436	CakSNP1436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16515112	(T/C)
1437	CakSNP1437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16527347	(T/A)
1438	CakSNP1438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16527366	(G/A)
1439	CakSNP1439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16575167	(A/G)
1440	CakSNP1440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16636587	(G/A)
1441	CakSNP1441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16743569	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1442	CakSNP1442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16799112	(T/C)
1443	CakSNP1443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16799142	(C/T)
1444	CakSNP1444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16813600	(T/A)
1445	CakSNP1445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16813603	(T/G)
1446	CakSNP1446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16813604	(T/C)
1447	CakSNP1447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16813657	(A/T)
1448	CakSNP1448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16813616	(T/A)
1449	CakSNP1449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16873356	(C/T)
1450	CakSNP1450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16877812	(C/A)
1451	CakSNP1451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16877829	(C/A)
1452	CakSNP1452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16883153	(C/T)
1453	CakSNP1453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16901798	(C/A)
1454	CakSNP1454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16902129	(G/A)
1455	CakSNP1455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16908636	(G/A)
1456	CakSNP1456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16933423	(T/G)
1457	CakSNP1457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	16933431	(T/G)
1458	CakSNP1458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17006391	(T/C)
1459	CakSNP1459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17023111	(G/C)
1460	CakSNP1460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17024083	(A/C)
1461	CakSNP1461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17068798	(A/C)
1462	CakSNP1462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17092204	(C/T)
1463	CakSNP1463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17092404	(G/A)
1464	CakSNP1464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17092413	(C/T)
1465	CakSNP1465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17093640	(T/C)
1466	CakSNP1466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17167019	(G/A)
1467	CakSNP1467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17170443	(A/T)
1468	CakSNP1468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17170727	(T/C)
1469	CakSNP1469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17182711	(C/T)
1470	CakSNP1470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17182697	(A/T)
1471	CakSNP1471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17182867	(G/A)
1472	CakSNP1472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17194835	(C/T)
1473	CakSNP1473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17272338	(A/C)
1474	CakSNP1474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17272401	(C/T)
1475	CakSNP1475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17314880	(A/C)
1476	CakSNP1476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17314911	(A/G)
1477	CakSNP1477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17314945	(T/C)
1478	CakSNP1478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17315046	(G/A)
1479	CakSNP1479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17328721	(G/A)
1480	CakSNP1480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17328808	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1481	CakSNP1481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17332981	(C/T)
1482	CakSNP1482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17333056	(C/G)
1483	CakSNP1483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17333049	(C/T)
1484	CakSNP1484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17340321	(T/C)
1485	CakSNP1485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17340350	(G/T)
1486	CakSNP1486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17340398	(G/T)
1487	CakSNP1487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17359712	(A/G)
1488	CakSNP1488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17359688	(A/C)
1489	CakSNP1489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17359686	(C/T)
1490	CakSNP1490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17359682	(A/C)
1491	CakSNP1491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17386549	(C/T)
1492	CakSNP1492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17386603	(A/T)
1493	CakSNP1493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17395543	(C/A)
1494	CakSNP1494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17437336	(G/C)
1495	CakSNP1495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17558885	(T/C)
1496	CakSNP1496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17558940	(A/G)
1497	CakSNP1497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17558975	(A/G)
1498	CakSNP1498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17576793	(T/G)
1499	CakSNP1499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17761244	(T/C)
1500	CakSNP1500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17763949	(G/A)
1501	CakSNP1501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17819374	(A/C)
1502	CakSNP1502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17856892	(A/G)
1503	CakSNP1503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17857089	(T/A)
1504	CakSNP1504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17880143	(T/C)
1505	CakSNP1505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17880185	(T/C)
1506	CakSNP1506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17961779	(T/C)
1507	CakSNP1507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17983301	(T/G)
1508	CakSNP1508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	17983310	(T/G)
1509	CakSNP1509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18009665	(C/G)
1510	CakSNP1510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18050590	(G/T)
1511	CakSNP1511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18064930	(C/T)
1512	CakSNP1512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18065239	(T/C)
1513	CakSNP1513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18092704	(T/G)
1514	CakSNP1514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18092761	(C/T)
1515	CakSNP1515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18098516	(C/T)
1516	CakSNP1516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18099331	(C/T)
1517	CakSNP1517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18099334	(T/A)
1518	CakSNP1518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18112318	(A/G)
1519	CakSNP1519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18112353	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1520	CakSNP1520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18131516	(T/G)
1521	CakSNP1521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18131545	(A/T)
1522	CakSNP1522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18131898	(G/A)
1523	CakSNP1523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18141990	(C/A)
1524	CakSNP1524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18144107	(C/G)
1525	CakSNP1525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18144137	(T/A)
1526	CakSNP1526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18147011	(C/G)
1527	CakSNP1527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18150151	(G/A)
1528	CakSNP1528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18153870	(T/G)
1529	CakSNP1529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18154083	(A/G)
1530	CakSNP1530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18156634	(A/G)
1531	CakSNP1531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18172762	(G/T)
1532	CakSNP1532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18198444	(C/T)
1533	CakSNP1533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18488172	(G/A)
1534	CakSNP1534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18746045	(T/G)
1535	CakSNP1535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18763916	(G/A)
1536	CakSNP1536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18763911	(C/A)
1537	CakSNP1537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18764225	(C/T)
1538	CakSNP1538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18768563	(C/A)
1539	CakSNP1539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18797330	(T/C)
1540	CakSNP1540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18890559	(A/G)
1541	CakSNP1541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18890616	(G/A)
1542	CakSNP1542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18890833	(G/A)
1543	CakSNP1543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18910213	(C/T)
1544	CakSNP1544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18910202	(G/A)
1545	CakSNP1545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	18910173	(T/C)
1546	CakSNP1546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19000445	(T/C)
1547	CakSNP1547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19055085	(C/T)
1548	CakSNP1548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130894	(T/C)
1549	CakSNP1549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130884	(C/A)
1550	CakSNP1550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130883	(C/A)
1551	CakSNP1551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130872	(G/A)
1552	CakSNP1552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130833	(G/T)
1553	CakSNP1553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130831	(A/G)
1554	CakSNP1554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130848	(C/T)
1555	CakSNP1555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19130853	(G/A)
1556	CakSNP1556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19164976	(T/C)
1557	CakSNP1557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19166597	(A/G)
1558	CakSNP1558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19218067	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1559	CakSNP1559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19218093	(T/G)
1560	CakSNP1560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19252952	(G/T)
1561	CakSNP1561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19252938	(G/A)
1562	CakSNP1562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19253655	(C/T)
1563	CakSNP1563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19254161	(G/A)
1564	CakSNP1564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19276489	(A/G)
1565	CakSNP1565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19276697	(C/G)
1566	CakSNP1566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19359812	(A/C)
1567	CakSNP1567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19359844	(C/A)
1568	CakSNP1568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19399112	(C/T)
1569	CakSNP1569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526320	(T/C)
1570	CakSNP1570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526531	(C/G)
1571	CakSNP1571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526548	(G/A)
1572	CakSNP1572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526561	(T/C)
1573	CakSNP1573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526592	(T/A)
1574	CakSNP1574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526652	(G/T)
1575	CakSNP1575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19526632	(C/T)
1576	CakSNP1576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19572408	(C/T)
1577	CakSNP1577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19572494	(G/C)
1578	CakSNP1578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19591671	(A/G)
1579	CakSNP1579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19877654	(A/T)
1580	CakSNP1580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19902735	(T/A)
1581	CakSNP1581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903665	(A/G)
1582	CakSNP1582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903683	(G/A)
1583	CakSNP1583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903686	(T/A)
1584	CakSNP1584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903690	(A/G)
1585	CakSNP1585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903693	(G/T)
1586	CakSNP1586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903701	(G/A)
1587	CakSNP1587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	19903704	(G/A)
1588	CakSNP1588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20004655	(A/G)
1589	CakSNP1589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20005747	(C/T)
1590	CakSNP1590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20016525	(C/T)
1591	CakSNP1591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20070045	(A/G)
1592	CakSNP1592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20070197	(T/C)
1593	CakSNP1593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20091291	(T/G)
1594	CakSNP1594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20092571	(C/G)
1595	CakSNP1595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	20092677	(C/A)
1596	CakSNP1596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21822975	(A/G)
1597	CakSNP1597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21881133	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1598	CakSNP1598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21881112	(C/T)
1599	CakSNP1599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21881103	(G/A)
1600	CakSNP1600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21881094	(G/A)
1601	CakSNP1601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	21918747	(G/A)
1602	CakSNP1602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22344003	(G/A)
1603	CakSNP1603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22437033	(C/T)
1604	CakSNP1604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22465555	(C/T)
1605	CakSNP1605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22465692	(A/G)
1606	CakSNP1606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22719581	(T/G)
1607	CakSNP1607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	22743361	(T/G)
1608	CakSNP1608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23122951	(A/G)
1609	CakSNP1609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23128921	(T/A)
1610	CakSNP1610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23128979	(G/T)
1611	CakSNP1611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23129094	(C/T)
1612	CakSNP1612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23131178	(A/C)
1613	CakSNP1613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23131914	(T/C)
1614	CakSNP1614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23148736	(A/C)
1615	CakSNP1615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23149053	(A/G)
1616	CakSNP1616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23149096	(A/C)
1617	CakSNP1617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23341499	(C/G)
1618	CakSNP1618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23382483	(T/A)
1619	CakSNP1619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23382454	(G/T)
1620	CakSNP1620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23382664	(C/T)
1621	CakSNP1621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23382645	(C/G)
1622	CakSNP1622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23915127	(C/G)
1623	CakSNP1623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23941438	(G/A)
1624	CakSNP1624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	23941518	(C/T)
1625	CakSNP1625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24070908	(C/T)
1626	CakSNP1626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24070968	(C/T)
1627	CakSNP1627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24071007	(C/A)
1628	CakSNP1628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24071014	(T/G)
1629	CakSNP1629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24173273	(A/G)
1630	CakSNP1630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24450415	(T/C)
1631	CakSNP1631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24450511	(A/G)
1632	CakSNP1632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24450483	(T/G)
1633	CakSNP1633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693506	(C/T)
1634	CakSNP1634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693602	(A/G)
1635	CakSNP1635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693601	(C/T)
1636	CakSNP1636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693586	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1637	CakSNP1637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693571	(G/A)
1638	CakSNP1638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693550	(G/A)
1639	CakSNP1639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693533	(G/A)
1640	CakSNP1640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24693521	(G/A)
1641	CakSNP1641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24828169	(C/T)
1642	CakSNP1642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24828245	(A/C)
1643	CakSNP1643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24845148	(A/C)
1644	CakSNP1644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	24983908	(A/G)
1645	CakSNP1645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25039836	(T/C)
1646	CakSNP1646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25083482	(A/C)
1647	CakSNP1647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25083534	(A/C)
1648	CakSNP1648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25175124	(C/T)
1649	CakSNP1649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25176162	(C/A)
1650	CakSNP1650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25192363	(T/C)
1651	CakSNP1651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524382	(C/T)
1652	CakSNP1652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524425	(C/T)
1653	CakSNP1653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524441	(T/C)
1654	CakSNP1654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524459	(C/G)
1655	CakSNP1655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524532	(T/C)
1656	CakSNP1656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524519	(C/T)
1657	CakSNP1657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524481	(T/A)
1658	CakSNP1658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524480	(G/A)
1659	CakSNP1659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524473	(C/T)
1660	CakSNP1660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524465	(A/G)
1661	CakSNP1661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524460	(G/A)
1662	CakSNP1662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524458	(G/A)
1663	CakSNP1663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524456	(C/T)
1664	CakSNP1664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524455	(G/A)
1665	CakSNP1665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524453	(C/T)
1666	CakSNP1666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524451	(A/T)
1667	CakSNP1667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524450	(C/T)
1668	CakSNP1668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524464	(G/A)
1669	CakSNP1669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524478	(C/A)
1670	CakSNP1670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524488	(G/T)
1671	CakSNP1671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524498	(G/C)
1672	CakSNP1672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524505	(A/G)
1673	CakSNP1673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524520	(C/T)
1674	CakSNP1674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524522	(G/A)
1675	CakSNP1675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25524524	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1676	CakSNP1676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25732004	(T/C)
1677	CakSNP1677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25887539	(G/A)
1678	CakSNP1678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	25987201	(A/C)
1679	CakSNP1679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26026817	(C/T)
1680	CakSNP1680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26190096	(G/A)
1681	CakSNP1681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26190050	(G/A)
1682	CakSNP1682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26481730	(C/T)
1683	CakSNP1683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26481747	(T/G)
1684	CakSNP1684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26484868	(G/C)
1685	CakSNP1685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26574098	(C/T)
1686	CakSNP1686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26574146	(C/T)
1687	CakSNP1687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26579621	(A/C)
1688	CakSNP1688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26746094	(A/T)
1689	CakSNP1689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26767522	(A/G)
1690	CakSNP1690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26767514	(A/G)
1691	CakSNP1691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784404	(G/A)
1692	CakSNP1692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784421	(G/T)
1693	CakSNP1693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784422	(C/T)
1694	CakSNP1694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784464	(C/T)
1695	CakSNP1695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784548	(C/A)
1696	CakSNP1696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784570	(A/G)
1697	CakSNP1697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784592	(A/G)
1698	CakSNP1698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784618	(G/A)
1699	CakSNP1699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26784732	(C/G)
1700	CakSNP1700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26785566	(T/G)
1701	CakSNP1701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26807401	(A/G)
1702	CakSNP1702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26807395	(T/G)
1703	CakSNP1703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26856541	(A/T)
1704	CakSNP1704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26856691	(G/A)
1705	CakSNP1705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26921471	(C/T)
1706	CakSNP1706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26921487	(C/A)
1707	CakSNP1707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26922011	(T/G)
1708	CakSNP1708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26922631	(C/T)
1709	CakSNP1709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	26953535	(C/T)
1710	CakSNP1710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27012495	(C/T)
1711	CakSNP1711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27012660	(G/C)
1712	CakSNP1712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27014895	(T/G)
1713	CakSNP1713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27014981	(A/G)
1714	CakSNP1714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27014951	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1715	CakSNP1715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27016101	(G/A)
1716	CakSNP1716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27016206	(T/A)
1717	CakSNP1717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017559	(G/A)
1718	CakSNP1718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017560	(G/A)
1719	CakSNP1719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017570	(A/G)
1720	CakSNP1720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017604	(T/G)
1721	CakSNP1721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017606	(C/T)
1722	CakSNP1722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017617	(G/A)
1723	CakSNP1723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017626	(A/C)
1724	CakSNP1724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017628	(C/A)
1725	CakSNP1725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017734	(T/C)
1726	CakSNP1726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017765	(A/T)
1727	CakSNP1727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27017771	(G/A)
1728	CakSNP1728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27020193	(T/C)
1729	CakSNP1729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	27020354	(C/A)
1730	CakSNP1730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28088501	(T/C)
1731	CakSNP1731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28106756	(G/A)
1732	CakSNP1732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28133847	(A/G)
1733	CakSNP1733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28133830	(A/T)
1734	CakSNP1734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28133814	(C/T)
1735	CakSNP1735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28143955	(G/A)
1736	CakSNP1736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28152260	(A/G)
1737	CakSNP1737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28656197	(C/A)
1738	CakSNP1738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28832810	(C/A)
1739	CakSNP1739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28907617	(G/A)
1740	CakSNP1740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	28909059	(T/A)
1741	CakSNP1741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29020220	(T/G)
1742	CakSNP1742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29116430	(T/C)
1743	CakSNP1743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29460440	(C/A)
1744	CakSNP1744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29634320	(G/T)
1745	CakSNP1745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29637509	(A/C)
1746	CakSNP1746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29637526	(C/T)
1747	CakSNP1747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29637572	(T/G)
1748	CakSNP1748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	29637571	(T/G)
1749	CakSNP1749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	30262124	(A/G)
1750	CakSNP1750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31080673	(T/G)
1751	CakSNP1751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31080792	(T/C)
1752	CakSNP1752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31240370	(A/G)
1753	CakSNP1753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31359861	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1754	CakSNP1754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31369599	(T/C)
1755	CakSNP1755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31590263	(C/G)
1756	CakSNP1756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31590510	(G/A)
1757	CakSNP1757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31590548	(C/T)
1758	CakSNP1758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	31838239	(G/A)
1759	CakSNP1759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286538	(C/T)
1760	CakSNP1760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286534	(G/C)
1761	CakSNP1761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286518	(C/A)
1762	CakSNP1762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286517	(G/A)
1763	CakSNP1763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286469	(G/A)
1764	CakSNP1764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286466	(A/G)
1765	CakSNP1765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286568	(A/C)
1766	CakSNP1766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286558	(A/G)
1767	CakSNP1767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286550	(G/A)
1768	CakSNP1768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286536	(G/A)
1769	CakSNP1769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286551	(C/T)
1770	CakSNP1770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32286567	(C/T)
1771	CakSNP1771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32467929	(G/A)
1772	CakSNP1772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32467954	(A/C)
1773	CakSNP1773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32468053	(A/C)
1774	CakSNP1774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32468080	(A/T)
1775	CakSNP1775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32468105	(C/G)
1776	CakSNP1776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32468116	(A/G)
1777	CakSNP1777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	32468119	(T/C)
1778	CakSNP1778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33058743	(T/C)
1779	CakSNP1779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33063207	(C/T)
1780	CakSNP1780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33194600	(T/C)
1781	CakSNP1781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804152	(C/T)
1782	CakSNP1782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804153	(C/T)
1783	CakSNP1783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804189	(C/T)
1784	CakSNP1784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804201	(C/T)
1785	CakSNP1785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804232	(T/G)
1786	CakSNP1786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804247	(A/G)
1787	CakSNP1787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	33804262	(C/G)
1788	CakSNP1788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34161921	(G/A)
1789	CakSNP1789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34261166	(C/A)
1790	CakSNP1790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34261158	(C/A)
1791	CakSNP1791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34311145	(T/G)
1792	CakSNP1792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34437114	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1793	CakSNP1793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34727251	(T/G)
1794	CakSNP1794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34772813	(T/A)
1795	CakSNP1795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34866709	(C/A)
1796	CakSNP1796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34905580	(A/G)
1797	CakSNP1797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34911065	(T/A)
1798	CakSNP1798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	34948934	(A/G)
1799	CakSNP1799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35041241	(T/G)
1800	CakSNP1800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35041324	(G/T)
1801	CakSNP1801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35313277	(A/G)
1802	CakSNP1802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35315381	(T/A)
1803	CakSNP1803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35315379	(A/T)
1804	CakSNP1804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35315347	(C/T)
1805	CakSNP1805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35315327	(T/A)
1806	CakSNP1806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35315436	(G/A)
1807	CakSNP1807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	35708841	(C/T)
1808	CakSNP1808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36126090	(C/T)
1809	CakSNP1809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794731	(A/G)
1810	CakSNP1810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794797	(G/A)
1811	CakSNP1811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794800	(G/T)
1812	CakSNP1812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794806	(G/T)
1813	CakSNP1813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794813	(C/T)
1814	CakSNP1814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794887	(G/A)
1815	CakSNP1815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794870	(C/T)
1816	CakSNP1816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794900	(C/T)
1817	CakSNP1817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794906	(A/C)
1818	CakSNP1818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794912	(G/T)
1819	CakSNP1819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794913	(A/T)
1820	CakSNP1820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36794915	(G/A)
1821	CakSNP1821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	36892533	(C/T)
1822	CakSNP1822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37026302	(C/T)
1823	CakSNP1823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37608030	(G/A)
1824	CakSNP1824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37608050	(T/G)
1825	CakSNP1825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37642546	(G/A)
1826	CakSNP1826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37643213	(T/C)
1827	CakSNP1827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37647602	(C/G)
1828	CakSNP1828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651679	(G/A)
1829	CakSNP1829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651695	(G/A)
1830	CakSNP1830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651764	(A/C)
1831	CakSNP1831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651711	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1832	CakSNP1832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651800	(T/A)
1833	CakSNP1833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651823	(A/G)
1834	CakSNP1834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651827	(C/T)
1835	CakSNP1835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37651843	(T/C)
1836	CakSNP1836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37654039	(C/G)
1837	CakSNP1837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37654136	(C/G)
1838	CakSNP1838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37654926	(C/T)
1839	CakSNP1839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37690416	(G/A)
1840	CakSNP1840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37690465	(T/C)
1841	CakSNP1841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37690498	(C/A)
1842	CakSNP1842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37690497	(A/T)
1843	CakSNP1843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37699039	(T/G)
1844	CakSNP1844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37699036	(T/C)
1845	CakSNP1845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37722095	(G/A)
1846	CakSNP1846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37722143	(G/C)
1847	CakSNP1847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768179	(T/A)
1848	CakSNP1848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768206	(A/T)
1849	CakSNP1849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768238	(A/G)
1850	CakSNP1850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768333	(C/T)
1851	CakSNP1851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768299	(A/G)
1852	CakSNP1852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768276	(G/C)
1853	CakSNP1853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37768264	(A/G)
1854	CakSNP1854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37862342	(T/G)
1855	CakSNP1855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37880995	(T/C)
1856	CakSNP1856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37892088	(A/C)
1857	CakSNP1857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37892089	(C/T)
1858	CakSNP1858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37892095	(A/G)
1859	CakSNP1859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	37892139	(A/T)
1860	CakSNP1860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	38049721	(C/T)
1861	CakSNP1861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	38678712	(T/C)
1862	CakSNP1862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	38877670	(T/C)
1863	CakSNP1863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	38877692	(G/T)
1864	CakSNP1864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	39436291	(T/C)
1865	CakSNP1865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	39601982	(T/G)
1866	CakSNP1866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	39602029	(G/T)
1867	CakSNP1867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	39616139	(A/C)
1868	CakSNP1868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	39663432	(C/G)
1869	CakSNP1869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40224835	(T/A)
1870	CakSNP1870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40224834	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1871	CakSNP1871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40224804	(A/G)
1872	CakSNP1872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40343216	(G/T)
1873	CakSNP1873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40346280	(A/C)
1874	CakSNP1874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40358693	(C/T)
1875	CakSNP1875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40358747	(T/G)
1876	CakSNP1876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40367940	(G/A)
1877	CakSNP1877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40368845	(C/T)
1878	CakSNP1878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40502077	(T/C)
1879	CakSNP1879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40570811	(G/T)
1880	CakSNP1880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40585026	(T/C)
1881	CakSNP1881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40630215	(C/T)
1882	CakSNP1882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40630213	(G/T)
1883	CakSNP1883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40630158	(T/A)
1884	CakSNP1884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40660069	(T/G)
1885	CakSNP1885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40660116	(G/A)
1886	CakSNP1886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40745421	(G/T)
1887	CakSNP1887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40745452	(T/C)
1888	CakSNP1888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40745492	(A/G)
1889	CakSNP1889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	40745846	(T/C)
1890	CakSNP1890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41029732	(C/T)
1891	CakSNP1891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41065797	(G/C)
1892	CakSNP1892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41125493	(T/C)
1893	CakSNP1893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41169218	(G/T)
1894	CakSNP1894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41169430	(T/G)
1895	CakSNP1895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41169372	(T/A)
1896	CakSNP1896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41178168	(G/A)
1897	CakSNP1897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41178183	(C/A)
1898	CakSNP1898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41179660	(G/T)
1899	CakSNP1899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41179650	(A/T)
1900	CakSNP1900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41185512	(T/G)
1901	CakSNP1901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41202173	(T/G)
1902	CakSNP1902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41202206	(A/G)
1903	CakSNP1903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41310401	(T/G)
1904	CakSNP1904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41339408	(T/A)
1905	CakSNP1905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41339445	(C/A)
1906	CakSNP1906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41380061	(G/T)
1907	CakSNP1907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41437222	(A/G)
1908	CakSNP1908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41437366	(T/C)
1909	CakSNP1909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41437453	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1910	CakSNP1910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41437483	(G/A)
1911	CakSNP1911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41439539	(A/G)
1912	CakSNP1912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41439593	(A/G)
1913	CakSNP1913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41451910	(C/T)
1914	CakSNP1914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41451977	(C/T)
1915	CakSNP1915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41475442	(T/C)
1916	CakSNP1916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41484033	(T/C)
1917	CakSNP1917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41484085	(C/T)
1918	CakSNP1918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41564809	(T/C)
1919	CakSNP1919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41795343	(G/A)
1920	CakSNP1920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41795367	(C/T)
1921	CakSNP1921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41822419	(C/T)
1922	CakSNP1922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41827388	(T/C)
1923	CakSNP1923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41867035	(C/T)
1924	CakSNP1924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41897216	(C/A)
1925	CakSNP1925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41946005	(A/G)
1926	CakSNP1926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41981244	(G/A)
1927	CakSNP1927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	41981259	(G/A)
1928	CakSNP1928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42189380	(A/G)
1929	CakSNP1929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42452801	(G/A)
1930	CakSNP1930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42452939	(G/T)
1931	CakSNP1931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42515406	(C/T)
1932	CakSNP1932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42551574	(T/G)
1933	CakSNP1933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42551585	(C/A)
1934	CakSNP1934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42552658	(A/C)
1935	CakSNP1935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42605239	(T/G)
1936	CakSNP1936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42610115	(A/C)
1937	CakSNP1937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42613060	(T/G)
1938	CakSNP1938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42894518	(T/C)
1939	CakSNP1939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42894525	(T/C)
1940	CakSNP1940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	42894536	(G/T)
1941	CakSNP1941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43053424	(G/C)
1942	CakSNP1942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273910	(G/T)
1943	CakSNP1943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273922	(T/C)
1944	CakSNP1944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273925	(A/G)
1945	CakSNP1945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273931	(G/A)
1946	CakSNP1946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273941	(C/G)
1947	CakSNP1947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273943	(A/G)
1948	CakSNP1948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273961	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1949	CakSNP1949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273962	(A/G)
1950	CakSNP1950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273968	(T/G)
1951	CakSNP1951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273972	(C/T)
1952	CakSNP1952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273981	(G/T)
1953	CakSNP1953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43273985	(G/A)
1954	CakSNP1954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43304584	(A/C)
1955	CakSNP1955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43304573	(C/T)
1956	CakSNP1956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43305858	(T/C)
1957	CakSNP1957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43305870	(G/A)
1958	CakSNP1958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43305886	(T/C)
1959	CakSNP1959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43305904	(C/A)
1960	CakSNP1960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43306048	(G/A)
1961	CakSNP1961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43306045	(C/A)
1962	CakSNP1962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43306036	(G/A)
1963	CakSNP1963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43306012	(G/A)
1964	CakSNP1964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43306221	(A/G)
1965	CakSNP1965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43509159	(A/G)
1966	CakSNP1966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43509409	(T/C)
1967	CakSNP1967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43576059	(A/G)
1968	CakSNP1968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43585657	(T/G)
1969	CakSNP1969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43590106	(C/T)
1970	CakSNP1970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43590258	(T/C)
1971	CakSNP1971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43724824	(C/T)
1972	CakSNP1972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43724839	(C/T)
1973	CakSNP1973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43724963	(C/T)
1974	CakSNP1974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43725059	(C/T)
1975	CakSNP1975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43725104	(T/C)
1976	CakSNP1976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43727804	(C/T)
1977	CakSNP1977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43792565	(G/A)
1978	CakSNP1978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43800367	(C/T)
1979	CakSNP1979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43930143	(A/T)
1980	CakSNP1980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43930138	(T/C)
1981	CakSNP1981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43933881	(G/C)
1982	CakSNP1982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43933904	(A/G)
1983	CakSNP1983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43934024	(G/T)
1984	CakSNP1984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43934120	(A/G)
1985	CakSNP1985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43934117	(G/T)
1986	CakSNP1986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43934081	(C/T)
1987	CakSNP1987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43943035	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
1988	CakSNP1988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	43954743	(C/G)
1989	CakSNP1989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44043281	(G/A)
1990	CakSNP1990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44085069	(C/T)
1991	CakSNP1991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44348947	(C/T)
1992	CakSNP1992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44349004	(T/C)
1993	CakSNP1993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44350953	(G/T)
1994	CakSNP1994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44635939	(T/C)
1995	CakSNP1995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44635926	(A/G)
1996	CakSNP1996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44635893	(A/G)
1997	CakSNP1997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44976738	(T/A)
1998	CakSNP1998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44976735	(C/T)
1999	CakSNP1999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44988344	(A/G)
2000	CakSNP2000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	44988387	(C/A)
2001	CakSNP2001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003190	(G/A)
2002	CakSNP2002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003514	(G/A)
2003	CakSNP2003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003509	(C/A)
2004	CakSNP2004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003505	(A/C)
2005	CakSNP2005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003938	(A/G)
2006	CakSNP2006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003939	(T/A)
2007	CakSNP2007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003940	(T/G)
2008	CakSNP2008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003944	(C/T)
2009	CakSNP2009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003945	(T/A)
2010	CakSNP2010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003946	(T/G)
2011	CakSNP2011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003947	(C/A)
2012	CakSNP2012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003973	(T/C)
2013	CakSNP2013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003985	(G/T)
2014	CakSNP2014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45003998	(G/A)
2015	CakSNP2015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45004001	(C/T)
2016	CakSNP2016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45007032	(A/C)
2017	CakSNP2017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45007227	(T/C)
2018	CakSNP2018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45007259	(A/G)
2019	CakSNP2019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45007331	(C/T)
2020	CakSNP2020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008076	(G/A)
2021	CakSNP2021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008075	(T/C)
2022	CakSNP2022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008073	(T/G)
2023	CakSNP2023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008071	(G/C)
2024	CakSNP2024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008050	(C/G)
2025	CakSNP2025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008044	(T/C)
2026	CakSNP2026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008041	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2027	CakSNP2027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008040	(G/C)
2028	CakSNP2028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008039	(C/T)
2029	CakSNP2029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008016	(T/A)
2030	CakSNP2030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008015	(G/A)
2031	CakSNP2031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008009	(C/T)
2032	CakSNP2032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008006	(C/A)
2033	CakSNP2033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008004	(C/T)
2034	CakSNP2034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45008074	(C/T)
2035	CakSNP2035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250874	(G/A)
2036	CakSNP2036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250872	(G/T)
2037	CakSNP2037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250869	(G/A)
2038	CakSNP2038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250863	(C/T)
2039	CakSNP2039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250862	(A/T)
2040	CakSNP2040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250834	(A/G)
2041	CakSNP2041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250828	(G/C)
2042	CakSNP2042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250807	(C/G)
2043	CakSNP2043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250805	(A/C)
2044	CakSNP2044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250803	(A/G)
2045	CakSNP2045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	45250802	(C/T)
2046	CakSNP2046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46437023	(T/G)
2047	CakSNP2047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46523221	(C/T)
2048	CakSNP2048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46597131	(T/G)
2049	CakSNP2049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46745628	(C/A)
2050	CakSNP2050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46778814	(A/C)
2051	CakSNP2051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46791939	(T/G)
2052	CakSNP2052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46793244	(G/A)
2053	CakSNP2053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46793357	(T/C)
2054	CakSNP2054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46793331	(C/G)
2055	CakSNP2055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46816041	(A/T)
2056	CakSNP2056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46825211	(G/A)
2057	CakSNP2057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46829662	(C/T)
2058	CakSNP2058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46832306	(T/G)
2059	CakSNP2059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46832395	(A/G)
2060	CakSNP2060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46832383	(T/C)
2061	CakSNP2061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46920524	(C/T)
2062	CakSNP2062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46920554	(T/C)
2063	CakSNP2063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936196	(C/A)
2064	CakSNP2064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936201	(C/T)
2065	CakSNP2065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936207	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2066	CakSNP2066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936209	(C/T)
2067	CakSNP2067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936329	(C/A)
2068	CakSNP2068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936297	(A/G)
2069	CakSNP2069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936428	(T/C)
2070	CakSNP2070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936460	(A/C)
2071	CakSNP2071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936456	(T/C)
2072	CakSNP2072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936448	(A/C)
2073	CakSNP2073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46936447	(G/A)
2074	CakSNP2074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46941875	(T/C)
2075	CakSNP2075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46968740	(T/C)
2076	CakSNP2076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46969221	(T/A)
2077	CakSNP2077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	46976508	(A/G)
2078	CakSNP2078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47042798	(T/A)
2079	CakSNP2079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47203123	(A/C)
2080	CakSNP2080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47263589	(C/T)
2081	CakSNP2081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47278505	(T/C)
2082	CakSNP2082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47331082	(T/C)
2083	CakSNP2083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47331080	(T/C)
2084	CakSNP2084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47423715	(A/T)
2085	CakSNP2085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47449818	(A/G)
2086	CakSNP2086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47449950	(T/C)
2087	CakSNP2087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47449891	(T/C)
2088	CakSNP2088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47449882	(A/C)
2089	CakSNP2089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47801491	(A/G)
2090	CakSNP2090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47890026	(C/T)
2091	CakSNP2091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47897914	(C/T)
2092	CakSNP2092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47936748	(G/A)
2093	CakSNP2093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47936841	(A/G)
2094	CakSNP2094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47938884	(T/G)
2095	CakSNP2095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47947009	(T/C)
2096	CakSNP2096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	47947281	(A/C)
2097	CakSNP2097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48026664	(G/T)
2098	CakSNP2098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48026701	(C/T)
2099	CakSNP2099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48026716	(T/G)
2100	CakSNP2100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48026727	(A/C)
2101	CakSNP2101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48027714	(C/A)
2102	CakSNP2102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48027869	(T/C)
2103	CakSNP2103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48028094	(G/A)
2104	CakSNP2104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48049293	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2105	CakSNP2105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48132217	(G/A)
2106	CakSNP2106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48132521	(A/C)
2107	CakSNP2107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48154321	(A/C)
2108	CakSNP2108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48191460	(T/A)
2109	CakSNP2109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48195174	(T/A)
2110	CakSNP2110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48197895	(A/T)
2111	CakSNP2111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48197911	(T/G)
2112	CakSNP2112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48197979	(A/G)
2113	CakSNP2113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48197969	(G/A)
2114	CakSNP2114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48198932	(A/T)
2115	CakSNP2115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48265590	(T/G)
2116	CakSNP2116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48273097	(G/C)
2117	CakSNP2117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr01</i>	48273307	(C/T)
2118	CakSNP2118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	113330	(C/T)
2119	CakSNP2119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149250	(C/A)
2120	CakSNP2120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149251	(A/T)
2121	CakSNP2121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149259	(A/C)
2122	CakSNP2122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149269	(C/T)
2123	CakSNP2123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149278	(G/T)
2124	CakSNP2124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149315	(C/A)
2125	CakSNP2125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149322	(C/A)
2126	CakSNP2126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149402	(C/T)
2127	CakSNP2127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	149395	(T/C)
2128	CakSNP2128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	189287	(A/G)
2129	CakSNP2129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	189784	(C/A)
2130	CakSNP2130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	221903	(A/T)
2131	CakSNP2131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	221955	(A/G)
2132	CakSNP2132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	233589	(C/T)
2133	CakSNP2133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	270139	(G/A)
2134	CakSNP2134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	354795	(T/C)
2135	CakSNP2135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	355905	(T/C)
2136	CakSNP2136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	507857	(G/T)
2137	CakSNP2137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	522943	(A/G)
2138	CakSNP2138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	543360	(G/T)
2139	CakSNP2139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	616251	(C/T)
2140	CakSNP2140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	616410	(C/G)
2141	CakSNP2141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	669304	(A/T)
2142	CakSNP2142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	728957	(T/C)
2143	CakSNP2143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	737183	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2144	CakSNP2144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770164	(A/C)
2145	CakSNP2145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770183	(C/T)
2146	CakSNP2146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770234	(C/T)
2147	CakSNP2147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770237	(C/T)
2148	CakSNP2148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770225	(C/T)
2149	CakSNP2149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770260	(C/T)
2150	CakSNP2150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	770266	(C/A)
2151	CakSNP2151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1231486	(A/G)
2152	CakSNP2152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1231500	(A/G)
2153	CakSNP2153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1231519	(T/C)
2154	CakSNP2154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1231618	(G/A)
2155	CakSNP2155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1234932	(C/T)
2156	CakSNP2156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1235018	(G/A)
2157	CakSNP2157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1234983	(T/C)
2158	CakSNP2158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1314367	(G/A)
2159	CakSNP2159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1368911	(A/G)
2160	CakSNP2160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1389661	(A/G)
2161	CakSNP2161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1397779	(C/T)
2162	CakSNP2162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1429186	(T/C)
2163	CakSNP2163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1429471	(G/C)
2164	CakSNP2164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1431368	(A/C)
2165	CakSNP2165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1493971	(A/G)
2166	CakSNP2166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1610477	(G/T)
2167	CakSNP2167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1668116	(A/G)
2168	CakSNP2168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1713343	(T/C)
2169	CakSNP2169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1797399	(A/G)
2170	CakSNP2170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1801341	(C/T)
2171	CakSNP2171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1828318	(T/C)
2172	CakSNP2172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1828406	(G/A)
2173	CakSNP2173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1829772	(C/T)
2174	CakSNP2174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1835055	(G/A)
2175	CakSNP2175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1841290	(A/T)
2176	CakSNP2176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1841267	(C/T)
2177	CakSNP2177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1867041	(C/A)
2178	CakSNP2178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1882691	(C/T)
2179	CakSNP2179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1884583	(C/T)
2180	CakSNP2180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1884704	(A/G)
2181	CakSNP2181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1888657	(C/G)
2182	CakSNP2182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1953614	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2183	CakSNP2183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1997914	(C/T)
2184	CakSNP2184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	1998003	(C/T)
2185	CakSNP2185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2086763	(T/G)
2186	CakSNP2186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2220871	(C/T)
2187	CakSNP2187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2227118	(A/G)
2188	CakSNP2188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2227074	(T/C)
2189	CakSNP2189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2227465	(G/A)
2190	CakSNP2190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2230089	(G/A)
2191	CakSNP2191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2230056	(T/C)
2192	CakSNP2192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2230984	(T/G)
2193	CakSNP2193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2230980	(C/A)
2194	CakSNP2194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2230976	(T/G)
2195	CakSNP2195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2246678	(T/C)
2196	CakSNP2196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2311915	(C/A)
2197	CakSNP2197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2311917	(A/C)
2198	CakSNP2198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2312104	(C/T)
2199	CakSNP2199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2312037	(T/G)
2200	CakSNP2200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2344777	(G/A)
2201	CakSNP2201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2344778	(A/G)
2202	CakSNP2202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2344786	(G/A)
2203	CakSNP2203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2344835	(G/T)
2204	CakSNP2204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2414265	(A/G)
2205	CakSNP2205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2416422	(C/T)
2206	CakSNP2206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2441571	(G/A)
2207	CakSNP2207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2602831	(A/C)
2208	CakSNP2208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2650375	(T/C)
2209	CakSNP2209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2650373	(A/T)
2210	CakSNP2210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2652189	(A/T)
2211	CakSNP2211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682235	(T/C)
2212	CakSNP2212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682293	(T/C)
2213	CakSNP2213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682321	(G/A)
2214	CakSNP2214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682375	(A/G)
2215	CakSNP2215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682408	(G/A)
2216	CakSNP2216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2682471	(A/G)
2217	CakSNP2217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2685299	(T/C)
2218	CakSNP2218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2697688	(G/C)
2219	CakSNP2219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2708805	(G/C)
2220	CakSNP2220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2780283	(C/T)
2221	CakSNP2221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2783727	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2222	CakSNP2222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2846667	(T/C)
2223	CakSNP2223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2846774	(C/A)
2224	CakSNP2224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	2965867	(G/A)
2225	CakSNP2225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3099959	(C/A)
2226	CakSNP2226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3099997	(A/T)
2227	CakSNP2227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3100116	(A/G)
2228	CakSNP2228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3113560	(G/A)
2229	CakSNP2229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3141128	(A/C)
2230	CakSNP2230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3164404	(A/G)
2231	CakSNP2231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3164355	(G/A)
2232	CakSNP2232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3366023	(C/T)
2233	CakSNP2233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3410375	(C/T)
2234	CakSNP2234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3450904	(C/A)
2235	CakSNP2235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3503763	(T/G)
2236	CakSNP2236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3503759	(T/A)
2237	CakSNP2237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3503753	(C/G)
2238	CakSNP2238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3503750	(C/G)
2239	CakSNP2239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3789808	(G/T)
2240	CakSNP2240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3843814	(C/T)
2241	CakSNP2241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3843826	(T/C)
2242	CakSNP2242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3843836	(G/A)
2243	CakSNP2243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3852203	(C/A)
2244	CakSNP2244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3894041	(G/T)
2245	CakSNP2245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3904757	(G/A)
2246	CakSNP2246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3904761	(A/G)
2247	CakSNP2247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3908928	(A/G)
2248	CakSNP2248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3908955	(G/A)
2249	CakSNP2249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3909068	(G/A)
2250	CakSNP2250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3909062	(C/T)
2251	CakSNP2251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3915549	(A/G)
2252	CakSNP2252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3930211	(A/G)
2253	CakSNP2253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3930182	(A/G)
2254	CakSNP2254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3941397	(A/T)
2255	CakSNP2255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3994150	(A/C)
2256	CakSNP2256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3998491	(A/C)
2257	CakSNP2257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	3999615	(C/T)
2258	CakSNP2258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4039745	(T/C)
2259	CakSNP2259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4039854	(G/A)
2260	CakSNP2260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4325658	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2261	CakSNP2261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4325684	(C/A)
2262	CakSNP2262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4404813	(C/T)
2263	CakSNP2263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4404797	(G/A)
2264	CakSNP2264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4966216	(C/T)
2265	CakSNP2265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4966168	(G/C)
2266	CakSNP2266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4981626	(A/G)
2267	CakSNP2267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4981698	(C/T)
2268	CakSNP2268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4981686	(T/C)
2269	CakSNP2269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	4981666	(G/C)
2270	CakSNP2270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5017291	(T/A)
2271	CakSNP2271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5017330	(G/C)
2272	CakSNP2272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5078323	(T/C)
2273	CakSNP2273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5079639	(C/T)
2274	CakSNP2274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5085761	(A/C)
2275	CakSNP2275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5085836	(G/C)
2276	CakSNP2276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5100017	(T/A)
2277	CakSNP2277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5099985	(A/G)
2278	CakSNP2278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5118370	(A/T)
2279	CakSNP2279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5118364	(C/T)
2280	CakSNP2280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5141075	(C/T)
2281	CakSNP2281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5141081	(A/T)
2282	CakSNP2282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247305	(T/C)
2283	CakSNP2283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247548	(G/T)
2284	CakSNP2284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247547	(A/G)
2285	CakSNP2285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247540	(T/C)
2286	CakSNP2286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247481	(T/A)
2287	CakSNP2287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247557	(A/C)
2288	CakSNP2288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5247558	(G/T)
2289	CakSNP2289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5259254	(T/C)
2290	CakSNP2290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5276208	(T/C)
2291	CakSNP2291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5342864	(C/A)
2292	CakSNP2292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5342923	(A/G)
2293	CakSNP2293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5359177	(C/A)
2294	CakSNP2294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5449886	(C/T)
2295	CakSNP2295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5449978	(T/C)
2296	CakSNP2296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5449907	(G/A)
2297	CakSNP2297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5462902	(A/T)
2298	CakSNP2298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5468575	(A/T)
2299	CakSNP2299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5475329	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2300	CakSNP2300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5475344	(A/G)
2301	CakSNP2301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5475365	(T/C)
2302	CakSNP2302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5475407	(C/T)
2303	CakSNP2303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5504300	(T/G)
2304	CakSNP2304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5601092	(G/C)
2305	CakSNP2305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5787862	(G/A)
2306	CakSNP2306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5787887	(A/C)
2307	CakSNP2307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5877688	(A/G)
2308	CakSNP2308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5881503	(A/G)
2309	CakSNP2309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5897314	(T/C)
2310	CakSNP2310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5904368	(T/C)
2311	CakSNP2311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5936796	(C/A)
2312	CakSNP2312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	5936902	(A/T)
2313	CakSNP2313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6042131	(G/A)
2314	CakSNP2314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6042139	(C/A)
2315	CakSNP2315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6042210	(C/A)
2316	CakSNP2316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6060259	(G/C)
2317	CakSNP2317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6130301	(G/C)
2318	CakSNP2318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6130257	(C/A)
2319	CakSNP2319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6130247	(G/C)
2320	CakSNP2320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6162378	(T/G)
2321	CakSNP2321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6162406	(G/C)
2322	CakSNP2322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6213582	(T/A)
2323	CakSNP2323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6213580	(C/A)
2324	CakSNP2324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6213566	(C/T)
2325	CakSNP2325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6213530	(C/A)
2326	CakSNP2326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6213520	(G/T)
2327	CakSNP2327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6349208	(T/G)
2328	CakSNP2328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6367649	(A/G)
2329	CakSNP2329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6367704	(A/G)
2330	CakSNP2330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6391819	(T/C)
2331	CakSNP2331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6392158	(A/T)
2332	CakSNP2332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6392209	(G/A)
2333	CakSNP2333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6392272	(T/C)
2334	CakSNP2334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6392254	(T/C)
2335	CakSNP2335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6392449	(A/G)
2336	CakSNP2336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6397551	(A/G)
2337	CakSNP2337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6397597	(A/C)
2338	CakSNP2338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6408406	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2339	CakSNP2339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6534776	(C/A)
2340	CakSNP2340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6537296	(G/T)
2341	CakSNP2341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6537300	(G/T)
2342	CakSNP2342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6727932	(G/C)
2343	CakSNP2343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6727905	(G/C)
2344	CakSNP2344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6727900	(G/C)
2345	CakSNP2345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6728716	(A/T)
2346	CakSNP2346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6728719	(C/T)
2347	CakSNP2347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6728763	(T/C)
2348	CakSNP2348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6989950	(A/G)
2349	CakSNP2349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	6990083	(G/A)
2350	CakSNP2350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7007701	(G/C)
2351	CakSNP2351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7027093	(G/A)
2352	CakSNP2352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7027146	(T/C)
2353	CakSNP2353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7047195	(C/A)
2354	CakSNP2354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7047196	(T/C)
2355	CakSNP2355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7047197	(G/C)
2356	CakSNP2356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7051451	(G/A)
2357	CakSNP2357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7125992	(T/G)
2358	CakSNP2358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7126018	(T/G)
2359	CakSNP2359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7507259	(C/A)
2360	CakSNP2360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633520	(G/A)
2361	CakSNP2361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633547	(C/T)
2362	CakSNP2362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633564	(G/T)
2363	CakSNP2363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633572	(T/C)
2364	CakSNP2364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633605	(T/A)
2365	CakSNP2365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633592	(G/A)
2366	CakSNP2366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633585	(G/A)
2367	CakSNP2367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633869	(G/A)
2368	CakSNP2368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633826	(G/A)
2369	CakSNP2369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633818	(G/A)
2370	CakSNP2370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633816	(G/A)
2371	CakSNP2371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633813	(G/T)
2372	CakSNP2372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7633793	(C/T)
2373	CakSNP2373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7634041	(G/A)
2374	CakSNP2374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7679627	(A/T)
2375	CakSNP2375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7679693	(C/G)
2376	CakSNP2376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7701189	(T/G)
2377	CakSNP2377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7701199	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2378	CakSNP2378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7701216	(T/G)
2379	CakSNP2379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7701230	(T/G)
2380	CakSNP2380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7702468	(A/T)
2381	CakSNP2381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708668	(C/T)
2382	CakSNP2382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708663	(T/C)
2383	CakSNP2383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708660	(G/A)
2384	CakSNP2384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708630	(C/A)
2385	CakSNP2385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708617	(G/T)
2386	CakSNP2386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708603	(C/T)
2387	CakSNP2387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708598	(C/T)
2388	CakSNP2388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708596	(T/C)
2389	CakSNP2389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708590	(A/T)
2390	CakSNP2390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7708678	(C/T)
2391	CakSNP2391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7712181	(C/T)
2392	CakSNP2392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7712155	(G/T)
2393	CakSNP2393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7714392	(G/A)
2394	CakSNP2394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7714454	(A/G)
2395	CakSNP2395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7714463	(T/C)
2396	CakSNP2396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7753419	(G/C)
2397	CakSNP2397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7753425	(T/C)
2398	CakSNP2398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7753440	(C/T)
2399	CakSNP2399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7819281	(T/C)
2400	CakSNP2400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7870919	(G/T)
2401	CakSNP2401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7870943	(T/G)
2402	CakSNP2402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	7938890	(T/C)
2403	CakSNP2403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8337517	(C/T)
2404	CakSNP2404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8484840	(A/T)
2405	CakSNP2405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8487331	(T/A)
2406	CakSNP2406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8487343	(C/T)
2407	CakSNP2407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8489241	(C/A)
2408	CakSNP2408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8489237	(G/A)
2409	CakSNP2409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8489172	(C/A)
2410	CakSNP2410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8600256	(C/G)
2411	CakSNP2411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8600298	(A/G)
2412	CakSNP2412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8600309	(T/C)
2413	CakSNP2413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8600450	(C/T)
2414	CakSNP2414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8600666	(T/C)
2415	CakSNP2415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8685674	(G/A)
2416	CakSNP2416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8719725	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2417	CakSNP2417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8734136	(G/A)
2418	CakSNP2418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	8802884	(A/G)
2419	CakSNP2419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9458933	(C/T)
2420	CakSNP2420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9458985	(A/G)
2421	CakSNP2421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473339	(T/C)
2422	CakSNP2422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473353	(C/A)
2423	CakSNP2423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473362	(G/A)
2424	CakSNP2424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473380	(A/G)
2425	CakSNP2425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473393	(G/A)
2426	CakSNP2426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473474	(T/A)
2427	CakSNP2427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473452	(A/G)
2428	CakSNP2428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9473430	(A/G)
2429	CakSNP2429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9621953	(A/C)
2430	CakSNP2430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9740018	(G/A)
2431	CakSNP2431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9740017	(C/T)
2432	CakSNP2432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9740010	(A/G)
2433	CakSNP2433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9740007	(A/G)
2434	CakSNP2434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9739980	(G/C)
2435	CakSNP2435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9739974	(T/C)
2436	CakSNP2436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9739959	(T/C)
2437	CakSNP2437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9739965	(A/G)
2438	CakSNP2438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9756955	(G/A)
2439	CakSNP2439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9756946	(C/T)
2440	CakSNP2440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9756910	(G/A)
2441	CakSNP2441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9756887	(G/T)
2442	CakSNP2442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9823224	(G/A)
2443	CakSNP2443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9823165	(T/C)
2444	CakSNP2444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9825526	(C/G)
2445	CakSNP2445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9841625	(A/G)
2446	CakSNP2446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9862794	(A/G)
2447	CakSNP2447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9906042	(T/G)
2448	CakSNP2448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9906077	(T/A)
2449	CakSNP2449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9918536	(T/A)
2450	CakSNP2450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9943370	(A/G)
2451	CakSNP2451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9943374	(C/T)
2452	CakSNP2452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9943404	(T/G)
2453	CakSNP2453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9986639	(C/T)
2454	CakSNP2454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	9986683	(C/T)
2455	CakSNP2455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10004694	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2456	CakSNP2456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10025451	(G/A)
2457	CakSNP2457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10033991	(T/C)
2458	CakSNP2458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10060196	(G/T)
2459	CakSNP2459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10060200	(G/T)
2460	CakSNP2460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10060207	(C/T)
2461	CakSNP2461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067093	(G/C)
2462	CakSNP2462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067078	(T/G)
2463	CakSNP2463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067061	(T/G)
2464	CakSNP2464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067195	(T/A)
2465	CakSNP2465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067262	(A/C)
2466	CakSNP2466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067278	(G/T)
2467	CakSNP2467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067285	(T/G)
2468	CakSNP2468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067286	(A/T)
2469	CakSNP2469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067451	(A/T)
2470	CakSNP2470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067516	(G/A)
2471	CakSNP2471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10067538	(C/T)
2472	CakSNP2472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10068214	(A/G)
2473	CakSNP2473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10220396	(T/C)
2474	CakSNP2474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10270474	(C/A)
2475	CakSNP2475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10284426	(C/G)
2476	CakSNP2476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10294698	(A/G)
2477	CakSNP2477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10294635	(T/C)
2478	CakSNP2478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10322943	(T/C)
2479	CakSNP2479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10352705	(T/A)
2480	CakSNP2480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10358484	(C/T)
2481	CakSNP2481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10358496	(G/T)
2482	CakSNP2482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10377695	(G/A)
2483	CakSNP2483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10434727	(T/C)
2484	CakSNP2484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10434726	(G/C)
2485	CakSNP2485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10434714	(C/G)
2486	CakSNP2486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10540735	(C/T)
2487	CakSNP2487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10637631	(C/A)
2488	CakSNP2488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10656518	(A/T)
2489	CakSNP2489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10705902	(C/A)
2490	CakSNP2490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10705923	(T/A)
2491	CakSNP2491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10705979	(C/A)
2492	CakSNP2492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10705982	(C/T)
2493	CakSNP2493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10760939	(G/A)
2494	CakSNP2494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	10761036	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2495	CakSNP2495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	11799472	(G/A)
2496	CakSNP2496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	11799462	(G/A)
2497	CakSNP2497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12252285	(T/G)
2498	CakSNP2498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12252370	(A/G)
2499	CakSNP2499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12278583	(G/A)
2500	CakSNP2500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12278584	(T/C)
2501	CakSNP2501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12278606	(T/C)
2502	CakSNP2502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12281599	(A/C)
2503	CakSNP2503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12357732	(A/G)
2504	CakSNP2504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12389166	(G/T)
2505	CakSNP2505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12389112	(G/A)
2506	CakSNP2506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12515595	(A/G)
2507	CakSNP2507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12528825	(C/G)
2508	CakSNP2508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12710137	(G/A)
2509	CakSNP2509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12737814	(T/C)
2510	CakSNP2510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12794438	(G/A)
2511	CakSNP2511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12854610	(A/G)
2512	CakSNP2512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12854591	(T/A)
2513	CakSNP2513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12854586	(G/A)
2514	CakSNP2514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	12862414	(G/C)
2515	CakSNP2515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13079417	(T/G)
2516	CakSNP2516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13079445	(T/G)
2517	CakSNP2517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13217781	(T/C)
2518	CakSNP2518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13355018	(T/G)
2519	CakSNP2519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13355022	(G/T)
2520	CakSNP2520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13355033	(A/T)
2521	CakSNP2521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13355615	(T/G)
2522	CakSNP2522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13425568	(T/A)
2523	CakSNP2523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13434904	(G/A)
2524	CakSNP2524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13434884	(T/A)
2525	CakSNP2525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13435043	(C/T)
2526	CakSNP2526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13435030	(G/C)
2527	CakSNP2527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13434995	(A/C)
2528	CakSNP2528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13437317	(A/G)
2529	CakSNP2529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13529057	(G/A)
2530	CakSNP2530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13552505	(T/A)
2531	CakSNP2531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13554038	(T/C)
2532	CakSNP2532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13554045	(T/C)
2533	CakSNP2533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13554047	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2534	CakSNP2534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13703083	(G/A)
2535	CakSNP2535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	13782906	(C/A)
2536	CakSNP2536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14101913	(T/A)
2537	CakSNP2537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14134413	(A/C)
2538	CakSNP2538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14134676	(T/C)
2539	CakSNP2539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14136062	(C/A)
2540	CakSNP2540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14136019	(A/G)
2541	CakSNP2541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14136013	(T/G)
2542	CakSNP2542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	14136223	(A/C)
2543	CakSNP2543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15160301	(T/C)
2544	CakSNP2544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15178565	(G/A)
2545	CakSNP2545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15178564	(A/G)
2546	CakSNP2546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15178540	(A/G)
2547	CakSNP2547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15181635	(G/T)
2548	CakSNP2548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15234951	(C/A)
2549	CakSNP2549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15389412	(G/A)
2550	CakSNP2550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15390673	(A/G)
2551	CakSNP2551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15390731	(G/A)
2552	CakSNP2552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15390684	(A/G)
2553	CakSNP2553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15688657	(G/T)
2554	CakSNP2554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	15817688	(T/C)
2555	CakSNP2555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16460174	(G/A)
2556	CakSNP2556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16460142	(A/G)
2557	CakSNP2557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16460097	(C/A)
2558	CakSNP2558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16460106	(C/T)
2559	CakSNP2559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16460175	(C/A)
2560	CakSNP2560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16462095	(A/G)
2561	CakSNP2561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16462089	(C/T)
2562	CakSNP2562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16462056	(A/C)
2563	CakSNP2563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16462038	(G/T)
2564	CakSNP2564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16555733	(C/T)
2565	CakSNP2565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16555790	(C/G)
2566	CakSNP2566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16563117	(A/T)
2567	CakSNP2567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16563121	(A/T)
2568	CakSNP2568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16563123	(C/T)
2569	CakSNP2569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16563125	(A/T)
2570	CakSNP2570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16563133	(A/T)
2571	CakSNP2571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	16705119	(C/T)
2572	CakSNP2572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17450780	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2573	CakSNP2573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578623	(G/A)
2574	CakSNP2574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578633	(C/G)
2575	CakSNP2575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578659	(A/G)
2576	CakSNP2576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578689	(G/A)
2577	CakSNP2577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578663	(C/A)
2578	CakSNP2578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578676	(T/C)
2579	CakSNP2579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578701	(A/C)
2580	CakSNP2580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578706	(A/T)
2581	CakSNP2581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578726	(A/T)
2582	CakSNP2582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17578740	(A/G)
2583	CakSNP2583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17681915	(C/T)
2584	CakSNP2584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17716022	(A/T)
2585	CakSNP2585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17727340	(G/A)
2586	CakSNP2586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17727362	(G/C)
2587	CakSNP2587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17727403	(C/T)
2588	CakSNP2588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17839209	(T/A)
2589	CakSNP2589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17839297	(T/C)
2590	CakSNP2590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17910111	(C/G)
2591	CakSNP2591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17910145	(C/T)
2592	CakSNP2592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	17910783	(A/T)
2593	CakSNP2593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18312200	(T/C)
2594	CakSNP2594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18395345	(A/C)
2595	CakSNP2595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18395410	(T/C)
2596	CakSNP2596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18395378	(A/G)
2597	CakSNP2597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18546345	(T/C)
2598	CakSNP2598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18546366	(A/T)
2599	CakSNP2599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18631367	(T/A)
2600	CakSNP2600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18631383	(A/G)
2601	CakSNP2601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18631404	(T/G)
2602	CakSNP2602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18631412	(T/G)
2603	CakSNP2603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18631522	(A/C)
2604	CakSNP2604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671692	(C/A)
2605	CakSNP2605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671672	(T/A)
2606	CakSNP2606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671666	(C/T)
2607	CakSNP2607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671637	(G/A)
2608	CakSNP2608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671618	(T/G)
2609	CakSNP2609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671723	(C/G)
2610	CakSNP2610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671746	(C/T)
2611	CakSNP2611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671756	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2612	CakSNP2612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671765	(C/A)
2613	CakSNP2613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671767	(G/C)
2614	CakSNP2614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671785	(G/A)
2615	CakSNP2615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	18671824	(C/T)
2616	CakSNP2616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	20392224	(A/G)
2617	CakSNP2617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	20762187	(A/G)
2618	CakSNP2618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	20762205	(A/T)
2619	CakSNP2619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21000509	(C/T)
2620	CakSNP2620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21000466	(C/T)
2621	CakSNP2621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21000463	(C/T)
2622	CakSNP2622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21849874	(A/T)
2623	CakSNP2623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21906952	(A/G)
2624	CakSNP2624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	21965365	(T/C)
2625	CakSNP2625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22158593	(C/T)
2626	CakSNP2626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22158602	(C/T)
2627	CakSNP2627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190700	(C/T)
2628	CakSNP2628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190743	(C/T)
2629	CakSNP2629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190748	(G/T)
2630	CakSNP2630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190751	(C/T)
2631	CakSNP2631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190756	(C/A)
2632	CakSNP2632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190753	(C/T)
2633	CakSNP2633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190790	(G/A)
2634	CakSNP2634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22190815	(C/T)
2635	CakSNP2635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22205024	(G/C)
2636	CakSNP2636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22347405	(C/T)
2637	CakSNP2637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22415930	(C/T)
2638	CakSNP2638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22416899	(A/C)
2639	CakSNP2639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419501	(C/G)
2640	CakSNP2640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419513	(T/C)
2641	CakSNP2641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419514	(C/T)
2642	CakSNP2642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419529	(T/C)
2643	CakSNP2643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419625	(C/T)
2644	CakSNP2644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419633	(C/T)
2645	CakSNP2645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419634	(G/C)
2646	CakSNP2646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22419679	(G/A)
2647	CakSNP2647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457234	(G/A)
2648	CakSNP2648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457221	(T/A)
2649	CakSNP2649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457215	(G/A)
2650	CakSNP2650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457181	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2651	CakSNP2651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457233	(C/T)
2652	CakSNP2652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457255	(C/T)
2653	CakSNP2653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457263	(G/A)
2654	CakSNP2654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22457257	(G/A)
2655	CakSNP2655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22483072	(C/T)
2656	CakSNP2656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22483067	(G/A)
2657	CakSNP2657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22483052	(C/T)
2658	CakSNP2658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22483019	(A/T)
2659	CakSNP2659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22703091	(A/C)
2660	CakSNP2660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22820616	(C/G)
2661	CakSNP2661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22820588	(A/C)
2662	CakSNP2662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22897694	(G/A)
2663	CakSNP2663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	22897647	(T/C)
2664	CakSNP2664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23123734	(C/T)
2665	CakSNP2665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23141564	(C/T)
2666	CakSNP2666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23181353	(C/T)
2667	CakSNP2667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23247801	(C/T)
2668	CakSNP2668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23282374	(T/C)
2669	CakSNP2669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23297412	(G/A)
2670	CakSNP2670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23329325	(G/T)
2671	CakSNP2671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23329424	(C/T)
2672	CakSNP2672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23329440	(G/A)
2673	CakSNP2673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23417518	(T/G)
2674	CakSNP2674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23435939	(A/G)
2675	CakSNP2675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23439966	(T/C)
2676	CakSNP2676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23441740	(A/G)
2677	CakSNP2677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23910254	(T/C)
2678	CakSNP2678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	23961003	(G/A)
2679	CakSNP2679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24048087	(A/C)
2680	CakSNP2680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24098243	(T/C)
2681	CakSNP2681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24101371	(C/T)
2682	CakSNP2682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24164335	(A/T)
2683	CakSNP2683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24164840	(T/A)
2684	CakSNP2684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24164903	(T/C)
2685	CakSNP2685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24164900	(A/T)
2686	CakSNP2686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24221498	(G/T)
2687	CakSNP2687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24291665	(T/C)
2688	CakSNP2688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24353303	(A/G)
2689	CakSNP2689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24353243	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2690	CakSNP2690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24511053	(G/A)
2691	CakSNP2691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24511114	(G/A)
2692	CakSNP2692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24511121	(G/A)
2693	CakSNP2693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24511119	(T/G)
2694	CakSNP2694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24511116	(C/A)
2695	CakSNP2695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24586360	(T/C)
2696	CakSNP2696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24709014	(C/G)
2697	CakSNP2697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24709103	(G/A)
2698	CakSNP2698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24709139	(A/G)
2699	CakSNP2699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24709159	(T/A)
2700	CakSNP2700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24709295	(G/A)
2701	CakSNP2701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24741195	(C/T)
2702	CakSNP2702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24744726	(A/T)
2703	CakSNP2703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24817957	(G/A)
2704	CakSNP2704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24817945	(C/T)
2705	CakSNP2705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24817940	(G/A)
2706	CakSNP2706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24817934	(A/G)
2707	CakSNP2707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24817921	(G/A)
2708	CakSNP2708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24876355	(T/G)
2709	CakSNP2709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24911080	(T/C)
2710	CakSNP2710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	24911154	(G/C)
2711	CakSNP2711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25022971	(A/G)
2712	CakSNP2712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25104319	(G/T)
2713	CakSNP2713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25104291	(A/T)
2714	CakSNP2714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25108249	(T/C)
2715	CakSNP2715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25126798	(C/T)
2716	CakSNP2716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25126804	(A/G)
2717	CakSNP2717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25126837	(G/T)
2718	CakSNP2718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25126910	(G/C)
2719	CakSNP2719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25163062	(C/G)
2720	CakSNP2720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25194583	(G/A)
2721	CakSNP2721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25317391	(A/G)
2722	CakSNP2722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25321993	(C/A)
2723	CakSNP2723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25493973	(T/G)
2724	CakSNP2724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25507637	(C/G)
2725	CakSNP2725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25507681	(A/G)
2726	CakSNP2726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25508579	(C/A)
2727	CakSNP2727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25508679	(A/G)
2728	CakSNP2728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	25508660	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2729	CakSNP2729	Kabuli	Ca_Kabuli_Chr02	25508920	(G/A)
2730	CakSNP2730	Kabuli	Ca_Kabuli_Chr02	25508969	(T/C)
2731	CakSNP2731	Kabuli	Ca_Kabuli_Chr02	25508964	(A/C)
2732	CakSNP2732	Kabuli	Ca_Kabuli_Chr02	25508963	(A/G)
2733	CakSNP2733	Kabuli	Ca_Kabuli_Chr02	25508935	(A/T)
2734	CakSNP2734	Kabuli	Ca_Kabuli_Chr02	25509087	(C/A)
2735	CakSNP2735	Kabuli	Ca_Kabuli_Chr02	25509093	(C/G)
2736	CakSNP2736	Kabuli	Ca_Kabuli_Chr02	25509095	(G/A)
2737	CakSNP2737	Kabuli	Ca_Kabuli_Chr02	25509203	(T/C)
2738	CakSNP2738	Kabuli	Ca_Kabuli_Chr02	25509202	(T/A)
2739	CakSNP2739	Kabuli	Ca_Kabuli_Chr02	25667417	(G/C)
2740	CakSNP2740	Kabuli	Ca_Kabuli_Chr02	25667427	(T/C)
2741	CakSNP2741	Kabuli	Ca_Kabuli_Chr02	25788124	(T/A)
2742	CakSNP2742	Kabuli	Ca_Kabuli_Chr02	25788139	(T/C)
2743	CakSNP2743	Kabuli	Ca_Kabuli_Chr02	25880318	(T/C)
2744	CakSNP2744	Kabuli	Ca_Kabuli_Chr02	25898931	(T/C)
2745	CakSNP2745	Kabuli	Ca_Kabuli_Chr02	25930490	(G/A)
2746	CakSNP2746	Kabuli	Ca_Kabuli_Chr02	26051667	(T/G)
2747	CakSNP2747	Kabuli	Ca_Kabuli_Chr02	26092881	(C/G)
2748	CakSNP2748	Kabuli	Ca_Kabuli_Chr02	26092913	(C/A)
2749	CakSNP2749	Kabuli	Ca_Kabuli_Chr02	26092928	(T/G)
2750	CakSNP2750	Kabuli	Ca_Kabuli_Chr02	26092991	(T/C)
2751	CakSNP2751	Kabuli	Ca_Kabuli_Chr02	26121495	(A/C)
2752	CakSNP2752	Kabuli	Ca_Kabuli_Chr02	26121491	(T/G)
2753	CakSNP2753	Kabuli	Ca_Kabuli_Chr02	26417311	(T/A)
2754	CakSNP2754	Kabuli	Ca_Kabuli_Chr02	26417281	(A/G)
2755	CakSNP2755	Kabuli	Ca_Kabuli_Chr02	26417256	(T/C)
2756	CakSNP2756	Kabuli	Ca_Kabuli_Chr02	26431061	(T/C)
2757	CakSNP2757	Kabuli	Ca_Kabuli_Chr02	26431058	(G/C)
2758	CakSNP2758	Kabuli	Ca_Kabuli_Chr02	26431052	(T/C)
2759	CakSNP2759	Kabuli	Ca_Kabuli_Chr02	26461867	(C/G)
2760	CakSNP2760	Kabuli	Ca_Kabuli_Chr02	26461986	(A/C)
2761	CakSNP2761	Kabuli	Ca_Kabuli_Chr02	26461960	(T/A)
2762	CakSNP2762	Kabuli	Ca_Kabuli_Chr02	26486049	(G/A)
2763	CakSNP2763	Kabuli	Ca_Kabuli_Chr02	26486065	(C/T)
2764	CakSNP2764	Kabuli	Ca_Kabuli_Chr02	26486109	(T/C)
2765	CakSNP2765	Kabuli	Ca_Kabuli_Chr02	26502153	(T/C)
2766	CakSNP2766	Kabuli	Ca_Kabuli_Chr02	26503262	(C/A)
2767	CakSNP2767	Kabuli	Ca_Kabuli_Chr02	26567088	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2768	CakSNP2768	Kabuli	Ca_Kabuli_Ch02	26585842	(T/A)
2769	CakSNP2769	Kabuli	Ca_Kabuli_Ch02	26601337	(C/A)
2770	CakSNP2770	Kabuli	Ca_Kabuli_Ch02	26601331	(G/C)
2771	CakSNP2771	Kabuli	Ca_Kabuli_Ch02	26706849	(A/G)
2772	CakSNP2772	Kabuli	Ca_Kabuli_Ch02	27057582	(C/T)
2773	CakSNP2773	Kabuli	Ca_Kabuli_Ch02	27063749	(C/A)
2774	CakSNP2774	Kabuli	Ca_Kabuli_Ch02	27134574	(A/G)
2775	CakSNP2775	Kabuli	Ca_Kabuli_Ch02	27134560	(G/T)
2776	CakSNP2776	Kabuli	Ca_Kabuli_Ch02	27182855	(T/C)
2777	CakSNP2777	Kabuli	Ca_Kabuli_Ch02	27317272	(A/T)
2778	CakSNP2778	Kabuli	Ca_Kabuli_Ch02	27374064	(A/T)
2779	CakSNP2779	Kabuli	Ca_Kabuli_Ch02	27374094	(C/A)
2780	CakSNP2780	Kabuli	Ca_Kabuli_Ch02	27377809	(T/G)
2781	CakSNP2781	Kabuli	Ca_Kabuli_Ch02	27623258	(A/G)
2782	CakSNP2782	Kabuli	Ca_Kabuli_Ch02	27703356	(G/A)
2783	CakSNP2783	Kabuli	Ca_Kabuli_Ch02	27724425	(G/T)
2784	CakSNP2784	Kabuli	Ca_Kabuli_Ch02	27757490	(T/C)
2785	CakSNP2785	Kabuli	Ca_Kabuli_Ch02	27757824	(A/G)
2786	CakSNP2786	Kabuli	Ca_Kabuli_Ch02	27757804	(A/G)
2787	CakSNP2787	Kabuli	Ca_Kabuli_Ch02	27757795	(T/G)
2788	CakSNP2788	Kabuli	Ca_Kabuli_Ch02	27758057	(C/T)
2789	CakSNP2789	Kabuli	Ca_Kabuli_Ch02	27758058	(A/G)
2790	CakSNP2790	Kabuli	Ca_Kabuli_Ch02	27758065	(C/G)
2791	CakSNP2791	Kabuli	Ca_Kabuli_Ch02	27758093	(C/T)
2792	CakSNP2792	Kabuli	Ca_Kabuli_Ch02	27766561	(T/A)
2793	CakSNP2793	Kabuli	Ca_Kabuli_Ch02	27766623	(T/C)
2794	CakSNP2794	Kabuli	Ca_Kabuli_Ch02	27766605	(A/C)
2795	CakSNP2795	Kabuli	Ca_Kabuli_Ch02	27766594	(C/A)
2796	CakSNP2796	Kabuli	Ca_Kabuli_Ch02	27807994	(A/G)
2797	CakSNP2797	Kabuli	Ca_Kabuli_Ch02	27808070	(G/A)
2798	CakSNP2798	Kabuli	Ca_Kabuli_Ch02	27824962	(G/A)
2799	CakSNP2799	Kabuli	Ca_Kabuli_Ch02	27831340	(A/C)
2800	CakSNP2800	Kabuli	Ca_Kabuli_Ch02	27831398	(A/G)
2801	CakSNP2801	Kabuli	Ca_Kabuli_Ch02	27835871	(G/A)
2802	CakSNP2802	Kabuli	Ca_Kabuli_Ch02	27835850	(G/A)
2803	CakSNP2803	Kabuli	Ca_Kabuli_Ch02	27835843	(C/A)
2804	CakSNP2804	Kabuli	Ca_Kabuli_Ch02	27835837	(C/T)
2805	CakSNP2805	Kabuli	Ca_Kabuli_Ch02	27835832	(C/T)
2806	CakSNP2806	Kabuli	Ca_Kabuli_Ch02	27847670	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2807	CakSNP2807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28017163	(A/G)
2808	CakSNP2808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28018158	(T/C)
2809	CakSNP2809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060867	(T/G)
2810	CakSNP2810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060850	(A/G)
2811	CakSNP2811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060879	(C/T)
2812	CakSNP2812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060896	(T/C)
2813	CakSNP2813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060921	(C/T)
2814	CakSNP2814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060922	(A/G)
2815	CakSNP2815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060928	(C/T)
2816	CakSNP2816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060930	(T/G)
2817	CakSNP2817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28060940	(C/T)
2818	CakSNP2818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28061049	(G/T)
2819	CakSNP2819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28076664	(C/T)
2820	CakSNP2820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28076834	(C/T)
2821	CakSNP2821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28076851	(G/A)
2822	CakSNP2822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28084910	(C/T)
2823	CakSNP2823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28084913	(C/A)
2824	CakSNP2824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28084953	(C/T)
2825	CakSNP2825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28229031	(G/A)
2826	CakSNP2826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28229046	(G/A)
2827	CakSNP2827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28324577	(T/A)
2828	CakSNP2828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28352533	(C/A)
2829	CakSNP2829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28407316	(T/C)
2830	CakSNP2830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28407324	(C/T)
2831	CakSNP2831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28534235	(T/C)
2832	CakSNP2832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699149	(C/T)
2833	CakSNP2833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699178	(T/C)
2834	CakSNP2834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699185	(C/A)
2835	CakSNP2835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699219	(T/G)
2836	CakSNP2836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699229	(C/T)
2837	CakSNP2837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699276	(T/C)
2838	CakSNP2838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699383	(A/T)
2839	CakSNP2839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699403	(C/T)
2840	CakSNP2840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699414	(C/T)
2841	CakSNP2841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28699579	(A/C)
2842	CakSNP2842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28701724	(A/G)
2843	CakSNP2843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28741764	(T/C)
2844	CakSNP2844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28931402	(T/C)
2845	CakSNP2845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28931340	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2846	CakSNP2846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28944712	(T/C)
2847	CakSNP2847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28944707	(A/C)
2848	CakSNP2848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949900	(C/T)
2849	CakSNP2849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949909	(G/A)
2850	CakSNP2850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949911	(A/C)
2851	CakSNP2851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949919	(A/T)
2852	CakSNP2852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949954	(T/A)
2853	CakSNP2853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28949948	(A/G)
2854	CakSNP2854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28970621	(A/G)
2855	CakSNP2855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	28970618	(A/G)
2856	CakSNP2856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29103993	(T/C)
2857	CakSNP2857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29103970	(C/T)
2858	CakSNP2858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29122581	(G/A)
2859	CakSNP2859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29122589	(T/G)
2860	CakSNP2860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29592666	(G/A)
2861	CakSNP2861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29592694	(T/C)
2862	CakSNP2862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29601458	(C/T)
2863	CakSNP2863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29601463	(C/T)
2864	CakSNP2864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29614370	(C/T)
2865	CakSNP2865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29614375	(C/T)
2866	CakSNP2866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29693107	(A/G)
2867	CakSNP2867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29948356	(G/A)
2868	CakSNP2868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29960049	(G/A)
2869	CakSNP2869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29960054	(G/A)
2870	CakSNP2870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	29960130	(C/T)
2871	CakSNP2871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30042255	(A/C)
2872	CakSNP2872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30042309	(T/G)
2873	CakSNP2873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30042302	(A/T)
2874	CakSNP2874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30042297	(C/T)
2875	CakSNP2875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30042267	(C/T)
2876	CakSNP2876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30045338	(C/G)
2877	CakSNP2877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091313	(G/A)
2878	CakSNP2878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091311	(C/T)
2879	CakSNP2879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091308	(A/T)
2880	CakSNP2880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091307	(C/T)
2881	CakSNP2881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091295	(T/A)
2882	CakSNP2882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091290	(T/C)
2883	CakSNP2883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091286	(G/A)
2884	CakSNP2884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091284	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2885	CakSNP2885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30091280	(C/G)
2886	CakSNP2886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30133162	(G/A)
2887	CakSNP2887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30133189	(G/A)
2888	CakSNP2888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30133215	(G/T)
2889	CakSNP2889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30133221	(A/T)
2890	CakSNP2890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30335160	(T/C)
2891	CakSNP2891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30335212	(T/A)
2892	CakSNP2892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30335194	(A/G)
2893	CakSNP2893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30363957	(C/A)
2894	CakSNP2894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30364073	(T/A)
2895	CakSNP2895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30364042	(A/G)
2896	CakSNP2896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30364025	(T/C)
2897	CakSNP2897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30370013	(C/A)
2898	CakSNP2898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30370003	(A/C)
2899	CakSNP2899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30370411	(T/C)
2900	CakSNP2900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30467552	(C/T)
2901	CakSNP2901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30467551	(A/T)
2902	CakSNP2902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30508454	(T/C)
2903	CakSNP2903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30530642	(A/T)
2904	CakSNP2904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30537667	(A/T)
2905	CakSNP2905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30537673	(A/G)
2906	CakSNP2906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30537687	(T/C)
2907	CakSNP2907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30537701	(T/A)
2908	CakSNP2908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30537953	(T/C)
2909	CakSNP2909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30614086	(C/T)
2910	CakSNP2910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30686920	(C/T)
2911	CakSNP2911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30702121	(T/C)
2912	CakSNP2912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30702090	(G/A)
2913	CakSNP2913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30867547	(G/A)
2914	CakSNP2914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880148	(A/G)
2915	CakSNP2915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880243	(G/C)
2916	CakSNP2916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880246	(G/A)
2917	CakSNP2917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880303	(T/A)
2918	CakSNP2918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880302	(T/C)
2919	CakSNP2919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30880282	(A/G)
2920	CakSNP2920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30921092	(C/A)
2921	CakSNP2921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30921758	(C/T)
2922	CakSNP2922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30921888	(T/C)
2923	CakSNP2923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	30921882	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2924	CakSNP2924	Kabuli	Ca_Kabuli_Ch02	30921917	(C/A)
2925	CakSNP2925	Kabuli	Ca_Kabuli_Ch02	30921923	(A/G)
2926	CakSNP2926	Kabuli	Ca_Kabuli_Ch02	30954317	(G/A)
2927	CakSNP2927	Kabuli	Ca_Kabuli_Ch02	30954305	(T/G)
2928	CakSNP2928	Kabuli	Ca_Kabuli_Ch02	30977572	(A/G)
2929	CakSNP2929	Kabuli	Ca_Kabuli_Ch02	30977528	(C/T)
2930	CakSNP2930	Kabuli	Ca_Kabuli_Ch02	30977522	(A/T)
2931	CakSNP2931	Kabuli	Ca_Kabuli_Ch02	30977508	(A/T)
2932	CakSNP2932	Kabuli	Ca_Kabuli_Ch02	30997769	(T/A)
2933	CakSNP2933	Kabuli	Ca_Kabuli_Ch02	30997780	(A/C)
2934	CakSNP2934	Kabuli	Ca_Kabuli_Ch02	30997784	(T/A)
2935	CakSNP2935	Kabuli	Ca_Kabuli_Ch02	31005847	(T/G)
2936	CakSNP2936	Kabuli	Ca_Kabuli_Ch02	31005845	(C/T)
2937	CakSNP2937	Kabuli	Ca_Kabuli_Ch02	31014295	(A/T)
2938	CakSNP2938	Kabuli	Ca_Kabuli_Ch02	31055083	(C/T)
2939	CakSNP2939	Kabuli	Ca_Kabuli_Ch02	31055007	(G/A)
2940	CakSNP2940	Kabuli	Ca_Kabuli_Ch02	31088681	(G/T)
2941	CakSNP2941	Kabuli	Ca_Kabuli_Ch02	31088676	(G/C)
2942	CakSNP2942	Kabuli	Ca_Kabuli_Ch02	31088670	(C/T)
2943	CakSNP2943	Kabuli	Ca_Kabuli_Ch02	31088648	(A/G)
2944	CakSNP2944	Kabuli	Ca_Kabuli_Ch02	31088645	(A/C)
2945	CakSNP2945	Kabuli	Ca_Kabuli_Ch02	31088778	(A/T)
2946	CakSNP2946	Kabuli	Ca_Kabuli_Ch02	31088800	(T/C)
2947	CakSNP2947	Kabuli	Ca_Kabuli_Ch02	31088882	(A/G)
2948	CakSNP2948	Kabuli	Ca_Kabuli_Ch02	31109311	(G/T)
2949	CakSNP2949	Kabuli	Ca_Kabuli_Ch02	31109358	(C/T)
2950	CakSNP2950	Kabuli	Ca_Kabuli_Ch02	31109481	(G/A)
2951	CakSNP2951	Kabuli	Ca_Kabuli_Ch02	31109441	(C/G)
2952	CakSNP2952	Kabuli	Ca_Kabuli_Ch02	31109435	(G/A)
2953	CakSNP2953	Kabuli	Ca_Kabuli_Ch02	31109427	(C/T)
2954	CakSNP2954	Kabuli	Ca_Kabuli_Ch02	31141019	(G/A)
2955	CakSNP2955	Kabuli	Ca_Kabuli_Ch02	31167603	(G/A)
2956	CakSNP2956	Kabuli	Ca_Kabuli_Ch02	31167594	(A/G)
2957	CakSNP2957	Kabuli	Ca_Kabuli_Ch02	31188355	(A/G)
2958	CakSNP2958	Kabuli	Ca_Kabuli_Ch02	31201872	(T/C)
2959	CakSNP2959	Kabuli	Ca_Kabuli_Ch02	31201859	(T/A)
2960	CakSNP2960	Kabuli	Ca_Kabuli_Ch02	31201795	(A/G)
2961	CakSNP2961	Kabuli	Ca_Kabuli_Ch02	31203154	(G/A)
2962	CakSNP2962	Kabuli	Ca_Kabuli_Ch02	31205531	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
2963	CakSNP2963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31427861	(A/G)
2964	CakSNP2964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31427902	(G/C)
2965	CakSNP2965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31427915	(A/G)
2966	CakSNP2966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31428024	(T/G)
2967	CakSNP2967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31428132	(G/A)
2968	CakSNP2968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31428405	(T/C)
2969	CakSNP2969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31428429	(T/G)
2970	CakSNP2970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31534265	(A/C)
2971	CakSNP2971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31534283	(A/G)
2972	CakSNP2972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31534455	(T/C)
2973	CakSNP2973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686714	(C/T)
2974	CakSNP2974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686716	(C/T)
2975	CakSNP2975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686742	(A/C)
2976	CakSNP2976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686751	(A/T)
2977	CakSNP2977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686758	(C/A)
2978	CakSNP2978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686761	(A/C)
2979	CakSNP2979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686767	(C/T)
2980	CakSNP2980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686779	(G/A)
2981	CakSNP2981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31686820	(T/C)
2982	CakSNP2982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31756777	(G/T)
2983	CakSNP2983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31847033	(A/C)
2984	CakSNP2984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31881918	(G/T)
2985	CakSNP2985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31885934	(A/G)
2986	CakSNP2986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908694	(G/A)
2987	CakSNP2987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908742	(G/A)
2988	CakSNP2988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908803	(C/T)
2989	CakSNP2989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908787	(G/A)
2990	CakSNP2990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908845	(T/A)
2991	CakSNP2991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31908857	(C/T)
2992	CakSNP2992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31941463	(T/C)
2993	CakSNP2993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31941554	(A/T)
2994	CakSNP2994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	31975269	(C/T)
2995	CakSNP2995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32003536	(G/T)
2996	CakSNP2996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32017361	(G/A)
2997	CakSNP2997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32049523	(C/A)
2998	CakSNP2998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32049525	(A/C)
2999	CakSNP2999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32058591	(T/C)
3000	CakSNP3000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32061053	(C/T)
3001	CakSNP3001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32061054	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3002	CakSNP3002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32062010	(A/C)
3003	CakSNP3003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32071107	(C/G)
3004	CakSNP3004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080002	(T/C)
3005	CakSNP3005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080007	(T/C)
3006	CakSNP3006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080010	(G/C)
3007	CakSNP3007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080016	(A/T)
3008	CakSNP3008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080022	(C/A)
3009	CakSNP3009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32080037	(A/G)
3010	CakSNP3010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32096192	(A/C)
3011	CakSNP3011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32096186	(T/A)
3012	CakSNP3012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32096180	(C/G)
3013	CakSNP3013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32096177	(C/T)
3014	CakSNP3014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32096172	(C/T)
3015	CakSNP3015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32099757	(C/T)
3016	CakSNP3016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32099907	(T/C)
3017	CakSNP3017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109805	(G/A)
3018	CakSNP3018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109811	(G/A)
3019	CakSNP3019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109813	(C/T)
3020	CakSNP3020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109821	(G/A)
3021	CakSNP3021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109827	(T/C)
3022	CakSNP3022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109859	(A/C)
3023	CakSNP3023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109904	(T/A)
3024	CakSNP3024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109895	(A/G)
3025	CakSNP3025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32109892	(T/A)
3026	CakSNP3026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32119094	(A/T)
3027	CakSNP3027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32119268	(T/A)
3028	CakSNP3028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32119274	(T/C)
3029	CakSNP3029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32119331	(A/T)
3030	CakSNP3030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32129272	(T/C)
3031	CakSNP3031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32129395	(C/G)
3032	CakSNP3032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32140939	(A/T)
3033	CakSNP3033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32140948	(A/C)
3034	CakSNP3034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32140987	(A/G)
3035	CakSNP3035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32141047	(A/G)
3036	CakSNP3036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32141038	(T/C)
3037	CakSNP3037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32141019	(G/A)
3038	CakSNP3038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32141013	(G/C)
3039	CakSNP3039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32141002	(A/T)
3040	CakSNP3040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32140998	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3041	CakSNP3041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32140990	(G/A)
3042	CakSNP3042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32203032	(A/G)
3043	CakSNP3043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32203036	(A/T)
3044	CakSNP3044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32242818	(T/G)
3045	CakSNP3045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32348054	(T/A)
3046	CakSNP3046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32348087	(A/C)
3047	CakSNP3047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32348119	(G/T)
3048	CakSNP3048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32348793	(G/A)
3049	CakSNP3049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32348870	(T/C)
3050	CakSNP3050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32411994	(G/T)
3051	CakSNP3051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32412000	(G/T)
3052	CakSNP3052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32481969	(C/T)
3053	CakSNP3053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32481983	(G/T)
3054	CakSNP3054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32484223	(C/T)
3055	CakSNP3055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32545320	(A/G)
3056	CakSNP3056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32545329	(T/C)
3057	CakSNP3057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32545351	(G/A)
3058	CakSNP3058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32556992	(T/A)
3059	CakSNP3059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32564427	(T/C)
3060	CakSNP3060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32564480	(G/A)
3061	CakSNP3061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32564770	(G/T)
3062	CakSNP3062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32564796	(A/T)
3063	CakSNP3063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32570394	(G/A)
3064	CakSNP3064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32570479	(T/G)
3065	CakSNP3065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32570429	(G/A)
3066	CakSNP3066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32570504	(G/C)
3067	CakSNP3067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32577274	(T/A)
3068	CakSNP3068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32577593	(A/G)
3069	CakSNP3069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32579849	(T/C)
3070	CakSNP3070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32579900	(C/G)
3071	CakSNP3071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32608900	(A/T)
3072	CakSNP3072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32611624	(C/T)
3073	CakSNP3073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32611609	(A/G)
3074	CakSNP3074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32611601	(G/T)
3075	CakSNP3075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32627727	(C/G)
3076	CakSNP3076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32629763	(A/G)
3077	CakSNP3077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32670054	(C/T)
3078	CakSNP3078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32670099	(C/T)
3079	CakSNP3079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32670181	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3080	CakSNP3080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32671354	(T/A)
3081	CakSNP3081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32781880	(A/G)
3082	CakSNP3082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32844754	(T/G)
3083	CakSNP3083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32844842	(C/G)
3084	CakSNP3084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32867125	(A/G)
3085	CakSNP3085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32934646	(C/T)
3086	CakSNP3086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32934633	(G/C)
3087	CakSNP3087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32936855	(A/G)
3088	CakSNP3088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32936908	(G/A)
3089	CakSNP3089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32957515	(A/G)
3090	CakSNP3090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32957523	(T/C)
3091	CakSNP3091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32957538	(A/C)
3092	CakSNP3092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32957572	(A/C)
3093	CakSNP3093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32957958	(A/C)
3094	CakSNP3094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32958034	(C/G)
3095	CakSNP3095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32989134	(G/T)
3096	CakSNP3096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	32989205	(G/T)
3097	CakSNP3097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33083903	(T/A)
3098	CakSNP3098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33084095	(T/G)
3099	CakSNP3099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33084132	(T/A)
3100	CakSNP3100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33103318	(G/A)
3101	CakSNP3101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33103466	(G/A)
3102	CakSNP3102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33103750	(A/G)
3103	CakSNP3103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33103766	(G/A)
3104	CakSNP3104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33172936	(C/T)
3105	CakSNP3105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33172971	(T/G)
3106	CakSNP3106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33178391	(G/A)
3107	CakSNP3107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33178407	(C/T)
3108	CakSNP3108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33178419	(C/A)
3109	CakSNP3109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33178420	(A/C)
3110	CakSNP3110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33178506	(T/C)
3111	CakSNP3111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33184262	(T/C)
3112	CakSNP3112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33194198	(A/G)
3113	CakSNP3113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33204253	(C/T)
3114	CakSNP3114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326392	(T/G)
3115	CakSNP3115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326398	(C/T)
3116	CakSNP3116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326444	(G/A)
3117	CakSNP3117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326522	(G/A)
3118	CakSNP3118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326520	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3119	CakSNP3119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326516	(G/A)
3120	CakSNP3120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33326510	(C/G)
3121	CakSNP3121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33393209	(T/C)
3122	CakSNP3122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33398561	(C/T)
3123	CakSNP3123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33398550	(G/A)
3124	CakSNP3124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33398549	(T/C)
3125	CakSNP3125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33398527	(T/G)
3126	CakSNP3126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399010	(C/T)
3127	CakSNP3127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399019	(T/C)
3128	CakSNP3128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399045	(A/C)
3129	CakSNP3129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399098	(G/A)
3130	CakSNP3130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399063	(C/T)
3131	CakSNP3131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399405	(C/T)
3132	CakSNP3132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399404	(C/A)
3133	CakSNP3133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399397	(C/T)
3134	CakSNP3134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399393	(C/A)
3135	CakSNP3135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399381	(C/T)
3136	CakSNP3136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399342	(A/C)
3137	CakSNP3137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399465	(C/G)
3138	CakSNP3138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33399608	(C/A)
3139	CakSNP3139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33401608	(A/G)
3140	CakSNP3140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33490058	(C/A)
3141	CakSNP3141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33489989	(T/C)
3142	CakSNP3142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33575286	(A/C)
3143	CakSNP3143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33582948	(G/A)
3144	CakSNP3144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33582900	(G/A)
3145	CakSNP3145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33650447	(A/T)
3146	CakSNP3146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33651426	(G/A)
3147	CakSNP3147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33651408	(A/G)
3148	CakSNP3148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33661177	(C/T)
3149	CakSNP3149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33661316	(T/C)
3150	CakSNP3150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33686794	(G/A)
3151	CakSNP3151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33692368	(C/A)
3152	CakSNP3152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33713018	(G/A)
3153	CakSNP3153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33721515	(T/A)
3154	CakSNP3154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33733893	(C/T)
3155	CakSNP3155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33745281	(A/G)
3156	CakSNP3156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33764634	(G/A)
3157	CakSNP3157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33783871	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3158	CakSNP3158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33785203	(G/A)
3159	CakSNP3159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33786243	(G/A)
3160	CakSNP3160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33788913	(A/C)
3161	CakSNP3161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33798717	(T/C)
3162	CakSNP3162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	33798748	(T/C)
3163	CakSNP3163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34152352	(T/C)
3164	CakSNP3164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34152384	(T/C)
3165	CakSNP3165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34152476	(C/T)
3166	CakSNP3166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34155090	(A/G)
3167	CakSNP3167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34155179	(A/G)
3168	CakSNP3168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34178534	(G/A)
3169	CakSNP3169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34203162	(T/C)
3170	CakSNP3170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34203444	(T/C)
3171	CakSNP3171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34222585	(G/A)
3172	CakSNP3172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34249987	(C/T)
3173	CakSNP3173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34249953	(G/T)
3174	CakSNP3174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34250042	(C/T)
3175	CakSNP3175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34250266	(T/C)
3176	CakSNP3176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34266109	(A/G)
3177	CakSNP3177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34288116	(G/C)
3178	CakSNP3178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299096	(G/A)
3179	CakSNP3179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299075	(C/T)
3180	CakSNP3180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299074	(A/C)
3181	CakSNP3181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299063	(G/A)
3182	CakSNP3182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299079	(A/C)
3183	CakSNP3183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34299846	(C/T)
3184	CakSNP3184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34300059	(A/G)
3185	CakSNP3185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34300057	(A/G)
3186	CakSNP3186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34343478	(C/G)
3187	CakSNP3187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34343705	(G/A)
3188	CakSNP3188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34346849	(C/T)
3189	CakSNP3189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34346842	(T/C)
3190	CakSNP3190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34372503	(T/G)
3191	CakSNP3191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34428978	(C/A)
3192	CakSNP3192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34428979	(G/C)
3193	CakSNP3193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34429029	(G/T)
3194	CakSNP3194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34429030	(A/T)
3195	CakSNP3195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34551849	(A/C)
3196	CakSNP3196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34554164	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3197	CakSNP3197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34601444	(C/A)
3198	CakSNP3198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34634128	(C/T)
3199	CakSNP3199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34638960	(A/C)
3200	CakSNP3200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34638955	(T/A)
3201	CakSNP3201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34734329	(G/A)
3202	CakSNP3202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34734379	(G/A)
3203	CakSNP3203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34734439	(G/A)
3204	CakSNP3204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34734472	(A/G)
3205	CakSNP3205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34736649	(T/C)
3206	CakSNP3206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34736658	(A/C)
3207	CakSNP3207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34736753	(C/T)
3208	CakSNP3208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34754363	(T/C)
3209	CakSNP3209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34754507	(C/T)
3210	CakSNP3210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34820075	(C/T)
3211	CakSNP3211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34830995	(A/G)
3212	CakSNP3212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34847681	(C/A)
3213	CakSNP3213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34848053	(G/A)
3214	CakSNP3214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34848480	(T/C)
3215	CakSNP3215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34862129	(G/T)
3216	CakSNP3216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34862135	(G/A)
3217	CakSNP3217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34862139	(A/G)
3218	CakSNP3218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34862150	(C/T)
3219	CakSNP3219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34862276	(C/G)
3220	CakSNP3220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	34888414	(T/C)
3221	CakSNP3221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35013088	(G/C)
3222	CakSNP3222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35013084	(T/C)
3223	CakSNP3223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35052930	(C/A)
3224	CakSNP3224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35054244	(C/A)
3225	CakSNP3225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35059446	(A/T)
3226	CakSNP3226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35059434	(T/C)
3227	CakSNP3227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35059440	(A/C)
3228	CakSNP3228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35059451	(C/A)
3229	CakSNP3229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35060171	(A/G)
3230	CakSNP3230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35060178	(A/T)
3231	CakSNP3231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35060228	(T/C)
3232	CakSNP3232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35060273	(G/A)
3233	CakSNP3233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35060264	(A/T)
3234	CakSNP3234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35066138	(G/A)
3235	CakSNP3235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35095010	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3236	CakSNP3236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35096648	(A/T)
3237	CakSNP3237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35096649	(A/T)
3238	CakSNP3238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35120761	(G/A)
3239	CakSNP3239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35122109	(C/G)
3240	CakSNP3240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35154629	(C/A)
3241	CakSNP3241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35154603	(G/A)
3242	CakSNP3242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35171882	(T/G)
3243	CakSNP3243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35189471	(C/T)
3244	CakSNP3244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35195303	(T/C)
3245	CakSNP3245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35198352	(T/C)
3246	CakSNP3246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35209940	(C/T)
3247	CakSNP3247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35362587	(A/G)
3248	CakSNP3248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35362642	(A/G)
3249	CakSNP3249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35362657	(C/A)
3250	CakSNP3250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35362729	(A/G)
3251	CakSNP3251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35363488	(T/C)
3252	CakSNP3252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35363501	(T/C)
3253	CakSNP3253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35365029	(C/T)
3254	CakSNP3254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35367161	(G/A)
3255	CakSNP3255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35413400	(T/A)
3256	CakSNP3256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35441184	(C/T)
3257	CakSNP3257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35441180	(A/G)
3258	CakSNP3258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35441174	(T/G)
3259	CakSNP3259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35447976	(A/G)
3260	CakSNP3260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35448018	(C/G)
3261	CakSNP3261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35448126	(T/A)
3262	CakSNP3262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35449653	(G/A)
3263	CakSNP3263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35473250	(C/T)
3264	CakSNP3264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35505791	(C/G)
3265	CakSNP3265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35505874	(T/G)
3266	CakSNP3266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35533246	(G/A)
3267	CakSNP3267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593439	(T/C)
3268	CakSNP3268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593797	(G/T)
3269	CakSNP3269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593824	(A/C)
3270	CakSNP3270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593827	(A/G)
3271	CakSNP3271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35594018	(A/T)
3272	CakSNP3272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35594013	(C/T)
3273	CakSNP3273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593985	(A/G)
3274	CakSNP3274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35593965	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3275	CakSNP3275	Kabuli	Ca_Kabuli_Chr02	35593956	(A/G)
3276	CakSNP3276	Kabuli	Ca_Kabuli_Chr02	35601566	(T/C)
3277	CakSNP3277	Kabuli	Ca_Kabuli_Chr02	35601571	(A/C)
3278	CakSNP3278	Kabuli	Ca_Kabuli_Chr02	35601578	(C/T)
3279	CakSNP3279	Kabuli	Ca_Kabuli_Chr02	35601605	(G/A)
3280	CakSNP3280	Kabuli	Ca_Kabuli_Chr02	35601691	(A/G)
3281	CakSNP3281	Kabuli	Ca_Kabuli_Chr02	35601657	(T/C)
3282	CakSNP3282	Kabuli	Ca_Kabuli_Chr02	35601632	(G/T)
3283	CakSNP3283	Kabuli	Ca_Kabuli_Chr02	35612587	(C/A)
3284	CakSNP3284	Kabuli	Ca_Kabuli_Chr02	35612590	(G/A)
3285	CakSNP3285	Kabuli	Ca_Kabuli_Chr02	35612644	(G/A)
3286	CakSNP3286	Kabuli	Ca_Kabuli_Chr02	35612788	(G/A)
3287	CakSNP3287	Kabuli	Ca_Kabuli_Chr02	35612895	(T/C)
3288	CakSNP3288	Kabuli	Ca_Kabuli_Chr02	35612900	(C/T)
3289	CakSNP3289	Kabuli	Ca_Kabuli_Chr02	35613016	(G/A)
3290	CakSNP3290	Kabuli	Ca_Kabuli_Chr02	35613135	(T/C)
3291	CakSNP3291	Kabuli	Ca_Kabuli_Chr02	35658426	(C/T)
3292	CakSNP3292	Kabuli	Ca_Kabuli_Chr02	35658537	(T/C)
3293	CakSNP3293	Kabuli	Ca_Kabuli_Chr02	35661053	(C/T)
3294	CakSNP3294	Kabuli	Ca_Kabuli_Chr02	35670478	(A/G)
3295	CakSNP3295	Kabuli	Ca_Kabuli_Chr02	35704018	(A/G)
3296	CakSNP3296	Kabuli	Ca_Kabuli_Chr02	35704069	(G/A)
3297	CakSNP3297	Kabuli	Ca_Kabuli_Chr02	35704228	(C/A)
3298	CakSNP3298	Kabuli	Ca_Kabuli_Chr02	35704213	(A/G)
3299	CakSNP3299	Kabuli	Ca_Kabuli_Chr02	35704204	(T/C)
3300	CakSNP3300	Kabuli	Ca_Kabuli_Chr02	35704200	(T/C)
3301	CakSNP3301	Kabuli	Ca_Kabuli_Chr02	35704180	(A/G)
3302	CakSNP3302	Kabuli	Ca_Kabuli_Chr02	35704178	(G/A)
3303	CakSNP3303	Kabuli	Ca_Kabuli_Chr02	35728285	(T/A)
3304	CakSNP3304	Kabuli	Ca_Kabuli_Chr02	35754617	(G/T)
3305	CakSNP3305	Kabuli	Ca_Kabuli_Chr02	35754557	(C/T)
3306	CakSNP3306	Kabuli	Ca_Kabuli_Chr02	35754680	(C/A)
3307	CakSNP3307	Kabuli	Ca_Kabuli_Chr02	35754682	(A/G)
3308	CakSNP3308	Kabuli	Ca_Kabuli_Chr02	35754806	(G/C)
3309	CakSNP3309	Kabuli	Ca_Kabuli_Chr02	35754757	(G/C)
3310	CakSNP3310	Kabuli	Ca_Kabuli_Chr02	35759932	(A/T)
3311	CakSNP3311	Kabuli	Ca_Kabuli_Chr02	35759940	(T/C)
3312	CakSNP3312	Kabuli	Ca_Kabuli_Chr02	35759981	(G/A)
3313	CakSNP3313	Kabuli	Ca_Kabuli_Chr02	35760062	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3314	CakSNP3314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35760073	(A/T)
3315	CakSNP3315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35760170	(A/G)
3316	CakSNP3316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35760155	(G/A)
3317	CakSNP3317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35770569	(A/G)
3318	CakSNP3318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795446	(G/A)
3319	CakSNP3319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795395	(A/G)
3320	CakSNP3320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795494	(G/A)
3321	CakSNP3321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795496	(G/T)
3322	CakSNP3322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795497	(G/T)
3323	CakSNP3323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35795521	(T/C)
3324	CakSNP3324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35828553	(G/A)
3325	CakSNP3325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35829782	(A/G)
3326	CakSNP3326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35844790	(A/G)
3327	CakSNP3327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35844762	(A/G)
3328	CakSNP3328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35862852	(C/T)
3329	CakSNP3329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35862878	(T/G)
3330	CakSNP3330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35875666	(A/G)
3331	CakSNP3331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35875653	(C/T)
3332	CakSNP3332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35930699	(T/G)
3333	CakSNP3333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35993062	(C/T)
3334	CakSNP3334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35993082	(T/G)
3335	CakSNP3335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35993089	(C/T)
3336	CakSNP3336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35993092	(A/T)
3337	CakSNP3337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	35993178	(G/A)
3338	CakSNP3338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36013809	(A/G)
3339	CakSNP3339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36039428	(C/T)
3340	CakSNP3340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36039377	(C/T)
3341	CakSNP3341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36039364	(G/T)
3342	CakSNP3342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046593	(G/T)
3343	CakSNP3343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046595	(T/G)
3344	CakSNP3344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046741	(G/A)
3345	CakSNP3345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046720	(T/A)
3346	CakSNP3346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046767	(T/A)
3347	CakSNP3347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046799	(C/A)
3348	CakSNP3348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046820	(T/A)
3349	CakSNP3349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36046844	(T/G)
3350	CakSNP3350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36069340	(T/C)
3351	CakSNP3351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36072247	(C/A)
3352	CakSNP3352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36074147	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3353	CakSNP3353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36088577	(A/T)
3354	CakSNP3354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36088623	(C/T)
3355	CakSNP3355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36088676	(T/C)
3356	CakSNP3356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36088853	(G/A)
3357	CakSNP3357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36101358	(A/G)
3358	CakSNP3358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36101379	(A/G)
3359	CakSNP3359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36101421	(C/T)
3360	CakSNP3360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36117695	(T/A)
3361	CakSNP3361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36117647	(G/A)
3362	CakSNP3362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36253581	(C/T)
3363	CakSNP3363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36276791	(G/A)
3364	CakSNP3364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36323575	(G/T)
3365	CakSNP3365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36326361	(A/C)
3366	CakSNP3366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36335252	(A/C)
3367	CakSNP3367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36343900	(C/T)
3368	CakSNP3368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36343933	(T/C)
3369	CakSNP3369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36346336	(A/G)
3370	CakSNP3370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36375224	(A/G)
3371	CakSNP3371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36375638	(A/G)
3372	CakSNP3372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36387189	(G/C)
3373	CakSNP3373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36387245	(T/C)
3374	CakSNP3374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36389041	(G/A)
3375	CakSNP3375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36389096	(C/T)
3376	CakSNP3376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36403788	(A/G)
3377	CakSNP3377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36427841	(C/T)
3378	CakSNP3378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36429512	(T/C)
3379	CakSNP3379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36438939	(T/G)
3380	CakSNP3380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36453691	(A/G)
3381	CakSNP3381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36453685	(G/A)
3382	CakSNP3382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36466837	(C/T)
3383	CakSNP3383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36466998	(A/G)
3384	CakSNP3384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36467100	(A/C)
3385	CakSNP3385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36468390	(A/G)
3386	CakSNP3386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36468505	(C/A)
3387	CakSNP3387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36469921	(A/G)
3388	CakSNP3388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36505316	(C/A)
3389	CakSNP3389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36521200	(T/C)
3390	CakSNP3390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36533821	(A/C)
3391	CakSNP3391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36533910	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3392	CakSNP3392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36554430	(G/A)
3393	CakSNP3393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609730	(T/A)
3394	CakSNP3394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609743	(C/T)
3395	CakSNP3395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609744	(G/C)
3396	CakSNP3396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609858	(C/G)
3397	CakSNP3397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609950	(C/T)
3398	CakSNP3398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36609968	(C/T)
3399	CakSNP3399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36634234	(T/C)
3400	CakSNP3400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr02</i>	36634297	(C/G)
3401	CakSNP3401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171409	(A/T)
3402	CakSNP3402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171468	(A/G)
3403	CakSNP3403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171574	(C/A)
3404	CakSNP3404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171576	(G/T)
3405	CakSNP3405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171579	(C/T)
3406	CakSNP3406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	171675	(T/A)
3407	CakSNP3407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	208233	(C/A)
3408	CakSNP3408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	220564	(A/G)
3409	CakSNP3409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	220568	(A/T)
3410	CakSNP3410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	220572	(T/C)
3411	CakSNP3411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	220573	(G/T)
3412	CakSNP3412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	223943	(G/A)
3413	CakSNP3413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	223976	(G/C)
3414	CakSNP3414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	286425	(G/T)
3415	CakSNP3415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	419715	(T/G)
3416	CakSNP3416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	988477	(G/A)
3417	CakSNP3417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	988471	(T/C)
3418	CakSNP3418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1499038	(G/A)
3419	CakSNP3419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1499006	(A/G)
3420	CakSNP3420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1746388	(C/A)
3421	CakSNP3421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1746389	(A/G)
3422	CakSNP3422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1829412	(T/G)
3423	CakSNP3423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1829358	(T/C)
3424	CakSNP3424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1829352	(C/T)
3425	CakSNP3425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1831920	(T/G)
3426	CakSNP3426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1831866	(T/C)
3427	CakSNP3427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1831860	(C/T)
3428	CakSNP3428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	1831931	(A/C)
3429	CakSNP3429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2097376	(T/G)
3430	CakSNP3430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2097413	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3431	CakSNP3431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2391515	(T/G)
3432	CakSNP3432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2423760	(T/C)
3433	CakSNP3433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2708703	(C/T)
3434	CakSNP3434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2825546	(G/T)
3435	CakSNP3435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2927148	(T/A)
3436	CakSNP3436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2927150	(A/T)
3437	CakSNP3437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2931027	(G/C)
3438	CakSNP3438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2931046	(C/T)
3439	CakSNP3439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	2975179	(T/C)
3440	CakSNP3440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3280478	(C/T)
3441	CakSNP3441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3280500	(C/T)
3442	CakSNP3442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3280530	(G/A)
3443	CakSNP3443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3280595	(G/A)
3444	CakSNP3444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3617555	(G/A)
3445	CakSNP3445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701394	(A/T)
3446	CakSNP3446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701396	(C/T)
3447	CakSNP3447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701398	(A/T)
3448	CakSNP3448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701401	(A/T)
3449	CakSNP3449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701403	(A/T)
3450	CakSNP3450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701405	(G/T)
3451	CakSNP3451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701415	(C/T)
3452	CakSNP3452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701422	(C/T)
3453	CakSNP3453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701426	(T/C)
3454	CakSNP3454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701435	(A/T)
3455	CakSNP3455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701436	(C/T)
3456	CakSNP3456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701437	(A/T)
3457	CakSNP3457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701440	(G/T)
3458	CakSNP3458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701450	(C/T)
3459	CakSNP3459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701375	(G/A)
3460	CakSNP3460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3701370	(G/A)
3461	CakSNP3461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3744908	(G/A)
3462	CakSNP3462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3764420	(T/A)
3463	CakSNP3463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3764508	(T/C)
3464	CakSNP3464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	3764545	(C/T)
3465	CakSNP3465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4145743	(G/A)
3466	CakSNP3466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4178154	(C/T)
3467	CakSNP3467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4266739	(G/A)
3468	CakSNP3468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4266700	(T/G)
3469	CakSNP3469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4266691	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3470	CakSNP3470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4266686	(C/T)
3471	CakSNP3471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4266668	(G/A)
3472	CakSNP3472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4555124	(G/A)
3473	CakSNP3473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4555142	(T/A)
3474	CakSNP3474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4555167	(C/G)
3475	CakSNP3475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4555177	(C/T)
3476	CakSNP3476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4596815	(C/T)
3477	CakSNP3477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4596782	(A/G)
3478	CakSNP3478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4604649	(A/G)
3479	CakSNP3479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4606129	(T/A)
3480	CakSNP3480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4606128	(A/G)
3481	CakSNP3481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4629742	(A/T)
3482	CakSNP3482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4629747	(A/C)
3483	CakSNP3483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4654906	(C/T)
3484	CakSNP3484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4654898	(G/T)
3485	CakSNP3485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4654896	(T/C)
3486	CakSNP3486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	4823828	(T/C)
3487	CakSNP3487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5224781	(A/G)
3488	CakSNP3488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5225052	(A/G)
3489	CakSNP3489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5225063	(G/T)
3490	CakSNP3490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5225108	(T/G)
3491	CakSNP3491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5225079	(G/A)
3492	CakSNP3492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5415782	(G/A)
3493	CakSNP3493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436267	(A/G)
3494	CakSNP3494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436272	(T/C)
3495	CakSNP3495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436277	(C/T)
3496	CakSNP3496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436288	(G/T)
3497	CakSNP3497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436295	(G/A)
3498	CakSNP3498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436296	(C/T)
3499	CakSNP3499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436299	(A/C)
3500	CakSNP3500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5436331	(C/A)
3501	CakSNP3501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5514176	(A/G)
3502	CakSNP3502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	5514287	(C/A)
3503	CakSNP3503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6169456	(G/T)
3504	CakSNP3504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6169539	(T/C)
3505	CakSNP3505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6169510	(A/C)
3506	CakSNP3506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6278104	(G/A)
3507	CakSNP3507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6467014	(G/A)
3508	CakSNP3508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6683646	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3509	CakSNP3509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6683587	(T/A)
3510	CakSNP3510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6828181	(A/T)
3511	CakSNP3511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6840644	(C/T)
3512	CakSNP3512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6894987	(C/A)
3513	CakSNP3513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6895085	(T/C)
3514	CakSNP3514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	6899667	(T/C)
3515	CakSNP3515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7013492	(G/A)
3516	CakSNP3516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7015213	(T/G)
3517	CakSNP3517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7024620	(G/A)
3518	CakSNP3518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204053	(G/A)
3519	CakSNP3519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204071	(T/C)
3520	CakSNP3520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204087	(C/T)
3521	CakSNP3521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204088	(G/C)
3522	CakSNP3522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204098	(G/A)
3523	CakSNP3523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204099	(C/T)
3524	CakSNP3524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204111	(G/A)
3525	CakSNP3525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204112	(G/A)
3526	CakSNP3526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7204133	(G/T)
3527	CakSNP3527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7226689	(T/C)
3528	CakSNP3528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7226661	(G/T)
3529	CakSNP3529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7226632	(G/T)
3530	CakSNP3530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7246049	(T/G)
3531	CakSNP3531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7420705	(G/A)
3532	CakSNP3532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7433747	(C/A)
3533	CakSNP3533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7461833	(A/G)
3534	CakSNP3534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7482871	(C/T)
3535	CakSNP3535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7606843	(A/G)
3536	CakSNP3536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7606901	(T/C)
3537	CakSNP3537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7606905	(C/G)
3538	CakSNP3538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7608100	(A/G)
3539	CakSNP3539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665123	(G/A)
3540	CakSNP3540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665112	(C/T)
3541	CakSNP3541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665100	(G/T)
3542	CakSNP3542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665098	(C/T)
3543	CakSNP3543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665090	(C/T)
3544	CakSNP3544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665078	(G/A)
3545	CakSNP3545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665075	(G/A)
3546	CakSNP3546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665156	(G/A)
3547	CakSNP3547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665149	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3548	CakSNP3548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665142	(G/A)
3549	CakSNP3549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665140	(G/T)
3550	CakSNP3550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7665157	(C/T)
3551	CakSNP3551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7694198	(C/T)
3552	CakSNP3552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	7694297	(T/C)
3553	CakSNP3553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536213	(T/C)
3554	CakSNP3554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536275	(C/T)
3555	CakSNP3555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536295	(A/T)
3556	CakSNP3556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536301	(G/T)
3557	CakSNP3557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536425	(C/A)
3558	CakSNP3558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536498	(T/A)
3559	CakSNP3559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8536559	(T/C)
3560	CakSNP3560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8668628	(A/C)
3561	CakSNP3561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8669004	(A/T)
3562	CakSNP3562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8669132	(T/A)
3563	CakSNP3563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8697186	(A/G)
3564	CakSNP3564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8712381	(A/C)
3565	CakSNP3565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933037	(T/C)
3566	CakSNP3566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933084	(G/A)
3567	CakSNP3567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933086	(C/A)
3568	CakSNP3568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933221	(T/A)
3569	CakSNP3569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933183	(A/G)
3570	CakSNP3570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933255	(A/T)
3571	CakSNP3571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933266	(G/T)
3572	CakSNP3572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933409	(A/C)
3573	CakSNP3573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933370	(A/G)
3574	CakSNP3574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	8933355	(A/T)
3575	CakSNP3575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9221403	(G/A)
3576	CakSNP3576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9221528	(C/T)
3577	CakSNP3577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9221579	(G/C)
3578	CakSNP3578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9221580	(T/G)
3579	CakSNP3579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9223444	(G/C)
3580	CakSNP3580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9223875	(G/A)
3581	CakSNP3581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9224033	(C/A)
3582	CakSNP3582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9224011	(G/A)
3583	CakSNP3583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9296469	(T/G)
3584	CakSNP3584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9448525	(T/C)
3585	CakSNP3585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9577402	(G/A)
3586	CakSNP3586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579805	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3587	CakSNP3587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579808	(C/T)
3588	CakSNP3588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579811	(G/C)
3589	CakSNP3589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579817	(G/A)
3590	CakSNP3590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579818	(G/T)
3591	CakSNP3591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579824	(A/G)
3592	CakSNP3592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579830	(T/A)
3593	CakSNP3593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579831	(C/G)
3594	CakSNP3594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9579839	(G/A)
3595	CakSNP3595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9894316	(C/T)
3596	CakSNP3596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	9894310	(C/A)
3597	CakSNP3597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10039539	(T/A)
3598	CakSNP3598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10105733	(A/G)
3599	CakSNP3599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10142152	(C/A)
3600	CakSNP3600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10159836	(A/C)
3601	CakSNP3601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10159859	(G/A)
3602	CakSNP3602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10159941	(C/A)
3603	CakSNP3603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10159943	(G/A)
3604	CakSNP3604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10159944	(T/C)
3605	CakSNP3605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186893	(G/C)
3606	CakSNP3606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186861	(G/T)
3607	CakSNP3607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186857	(A/G)
3608	CakSNP3608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186880	(A/G)
3609	CakSNP3609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186889	(G/A)
3610	CakSNP3610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10186891	(C/G)
3611	CakSNP3611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10201361	(G/T)
3612	CakSNP3612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10722780	(G/T)
3613	CakSNP3613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10722849	(G/C)
3614	CakSNP3614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	10722859	(G/A)
3615	CakSNP3615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11143751	(G/A)
3616	CakSNP3616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11143818	(G/A)
3617	CakSNP3617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11143816	(C/T)
3618	CakSNP3618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11376752	(C/A)
3619	CakSNP3619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11378141	(C/T)
3620	CakSNP3620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11378425	(G/T)
3621	CakSNP3621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590767	(C/T)
3622	CakSNP3622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590793	(C/T)
3623	CakSNP3623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590817	(C/G)
3624	CakSNP3624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590874	(A/G)
3625	CakSNP3625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590860	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3626	CakSNP3626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590832	(G/A)
3627	CakSNP3627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11590814	(T/C)
3628	CakSNP3628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610500	(A/G)
3629	CakSNP3629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610494	(C/T)
3630	CakSNP3630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610460	(A/G)
3631	CakSNP3631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610441	(G/T)
3632	CakSNP3632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610481	(C/T)
3633	CakSNP3633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11610451	(C/T)
3634	CakSNP3634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11678625	(G/A)
3635	CakSNP3635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11684552	(G/A)
3636	CakSNP3636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11709777	(G/T)
3637	CakSNP3637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	11811685	(A/G)
3638	CakSNP3638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12051826	(A/C)
3639	CakSNP3639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12058576	(T/C)
3640	CakSNP3640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12058756	(A/G)
3641	CakSNP3641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12058748	(A/T)
3642	CakSNP3642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12067458	(A/C)
3643	CakSNP3643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12069092	(T/G)
3644	CakSNP3644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12095571	(T/G)
3645	CakSNP3645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12124099	(G/A)
3646	CakSNP3646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12394742	(G/A)
3647	CakSNP3647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12599496	(A/C)
3648	CakSNP3648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622503	(A/G)
3649	CakSNP3649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622504	(G/T)
3650	CakSNP3650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622518	(T/G)
3651	CakSNP3651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622534	(C/T)
3652	CakSNP3652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622550	(A/T)
3653	CakSNP3653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622578	(G/A)
3654	CakSNP3654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622567	(A/C)
3655	CakSNP3655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12622543	(G/A)
3656	CakSNP3656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627120	(C/T)
3657	CakSNP3657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627125	(T/C)
3658	CakSNP3658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627131	(G/A)
3659	CakSNP3659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627144	(G/A)
3660	CakSNP3660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627165	(T/C)
3661	CakSNP3661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627143	(T/C)
3662	CakSNP3662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627164	(G/A)
3663	CakSNP3663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12627170	(C/G)
3664	CakSNP3664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12809390	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3665	CakSNP3665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12809794	(T/C)
3666	CakSNP3666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814631	(C/T)
3667	CakSNP3667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814603	(T/C)
3668	CakSNP3668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814601	(A/C)
3669	CakSNP3669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814600	(A/G)
3670	CakSNP3670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814599	(A/T)
3671	CakSNP3671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814597	(T/A)
3672	CakSNP3672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814571	(C/A)
3673	CakSNP3673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12814558	(A/G)
3674	CakSNP3674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897820	(C/T)
3675	CakSNP3675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897831	(C/A)
3676	CakSNP3676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897839	(G/A)
3677	CakSNP3677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897841	(C/A)
3678	CakSNP3678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897876	(C/T)
3679	CakSNP3679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897881	(C/T)
3680	CakSNP3680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897882	(T/G)
3681	CakSNP3681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897926	(A/C)
3682	CakSNP3682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897906	(C/A)
3683	CakSNP3683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897887	(T/C)
3684	CakSNP3684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897884	(C/T)
3685	CakSNP3685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897883	(G/T)
3686	CakSNP3686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	12897886	(G/A)
3687	CakSNP3687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185541	(G/A)
3688	CakSNP3688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185530	(C/T)
3689	CakSNP3689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185496	(G/A)
3690	CakSNP3690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185490	(G/A)
3691	CakSNP3691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185493	(G/A)
3692	CakSNP3692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185508	(C/T)
3693	CakSNP3693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185516	(C/T)
3694	CakSNP3694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185583	(T/C)
3695	CakSNP3695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185581	(T/A)
3696	CakSNP3696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185574	(G/A)
3697	CakSNP3697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185560	(G/A)
3698	CakSNP3698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185575	(C/T)
3699	CakSNP3699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185582	(A/G)
3700	CakSNP3700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185590	(C/A)
3701	CakSNP3701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185591	(C/T)
3702	CakSNP3702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13185592	(A/C)
3703	CakSNP3703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13202989	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3704	CakSNP3704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13396925	(A/T)
3705	CakSNP3705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13397207	(A/C)
3706	CakSNP3706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13420776	(T/C)
3707	CakSNP3707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13420758	(A/G)
3708	CakSNP3708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13420756	(A/G)
3709	CakSNP3709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	13617948	(A/C)
3710	CakSNP3710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14200381	(A/C)
3711	CakSNP3711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14465236	(T/G)
3712	CakSNP3712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14497374	(C/A)
3713	CakSNP3713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14653195	(G/T)
3714	CakSNP3714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14653194	(C/T)
3715	CakSNP3715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14653193	(T/G)
3716	CakSNP3716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14653270	(C/A)
3717	CakSNP3717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14653271	(G/A)
3718	CakSNP3718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14658175	(A/C)
3719	CakSNP3719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14812960	(A/C)
3720	CakSNP3720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14982667	(C/T)
3721	CakSNP3721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	14982739	(A/T)
3722	CakSNP3722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15744906	(T/A)
3723	CakSNP3723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15745010	(C/T)
3724	CakSNP3724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15745017	(A/G)
3725	CakSNP3725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15745264	(G/C)
3726	CakSNP3726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15745311	(G/A)
3727	CakSNP3727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15757804	(T/C)
3728	CakSNP3728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15757829	(C/T)
3729	CakSNP3729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	15757852	(A/C)
3730	CakSNP3730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16071411	(G/C)
3731	CakSNP3731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16396662	(C/G)
3732	CakSNP3732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16396673	(A/C)
3733	CakSNP3733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16436286	(T/A)
3734	CakSNP3734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16458123	(G/T)
3735	CakSNP3735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16458413	(T/A)
3736	CakSNP3736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16540328	(T/G)
3737	CakSNP3737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16568567	(A/G)
3738	CakSNP3738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16621498	(G/A)
3739	CakSNP3739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16621624	(G/T)
3740	CakSNP3740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16768867	(A/G)
3741	CakSNP3741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16768936	(A/G)
3742	CakSNP3742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16768917	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3743	CakSNP3743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16948510	(G/T)
3744	CakSNP3744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16948854	(A/T)
3745	CakSNP3745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16995243	(C/T)
3746	CakSNP3746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16997328	(G/A)
3747	CakSNP3747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16997331	(C/T)
3748	CakSNP3748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	16997400	(T/C)
3749	CakSNP3749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17136071	(G/C)
3750	CakSNP3750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17136097	(T/C)
3751	CakSNP3751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17145639	(A/T)
3752	CakSNP3752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17145643	(G/T)
3753	CakSNP3753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17181213	(A/G)
3754	CakSNP3754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17185682	(A/G)
3755	CakSNP3755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17334924	(G/T)
3756	CakSNP3756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17335851	(A/C)
3757	CakSNP3757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17351553	(A/T)
3758	CakSNP3758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17351526	(A/C)
3759	CakSNP3759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17459986	(T/A)
3760	CakSNP3760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17460002	(G/A)
3761	CakSNP3761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17460012	(C/A)
3762	CakSNP3762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17574247	(C/T)
3763	CakSNP3763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17635591	(T/A)
3764	CakSNP3764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17635531	(T/C)
3765	CakSNP3765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17679409	(C/T)
3766	CakSNP3766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17679404	(C/T)
3767	CakSNP3767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17914677	(T/G)
3768	CakSNP3768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17936321	(T/C)
3769	CakSNP3769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17936729	(G/A)
3770	CakSNP3770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17936842	(A/G)
3771	CakSNP3771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17984978	(T/G)
3772	CakSNP3772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17986521	(G/C)
3773	CakSNP3773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17986525	(G/T)
3774	CakSNP3774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	17986740	(T/C)
3775	CakSNP3775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18215321	(G/C)
3776	CakSNP3776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18215332	(T/C)
3777	CakSNP3777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18355427	(T/C)
3778	CakSNP3778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18355445	(T/C)
3779	CakSNP3779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18375547	(T/C)
3780	CakSNP3780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18375581	(G/C)
3781	CakSNP3781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18382404	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3782	CakSNP3782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18382438	(G/C)
3783	CakSNP3783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18383884	(T/C)
3784	CakSNP3784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18476006	(A/G)
3785	CakSNP3785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18476065	(C/A)
3786	CakSNP3786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18497633	(T/C)
3787	CakSNP3787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18573701	(T/A)
3788	CakSNP3788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18645114	(T/C)
3789	CakSNP3789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18687994	(T/A)
3790	CakSNP3790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18709398	(G/A)
3791	CakSNP3791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18731098	(T/C)
3792	CakSNP3792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18825708	(T/C)
3793	CakSNP3793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18825687	(T/C)
3794	CakSNP3794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	18939425	(C/G)
3795	CakSNP3795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19372722	(G/T)
3796	CakSNP3796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19372739	(C/T)
3797	CakSNP3797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19400104	(T/C)
3798	CakSNP3798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19400121	(G/T)
3799	CakSNP3799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19400276	(C/T)
3800	CakSNP3800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19442839	(G/A)
3801	CakSNP3801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19442884	(G/C)
3802	CakSNP3802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19442941	(G/A)
3803	CakSNP3803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19445925	(A/G)
3804	CakSNP3804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19445920	(T/A)
3805	CakSNP3805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19448140	(A/G)
3806	CakSNP3806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19475095	(G/T)
3807	CakSNP3807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19571396	(C/A)
3808	CakSNP3808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19571382	(G/T)
3809	CakSNP3809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19571371	(A/G)
3810	CakSNP3810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19742600	(G/A)
3811	CakSNP3811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19742530	(C/T)
3812	CakSNP3812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19788512	(G/A)
3813	CakSNP3813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19802763	(C/T)
3814	CakSNP3814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19804985	(T/C)
3815	CakSNP3815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19805063	(A/C)
3816	CakSNP3816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19829510	(G/T)
3817	CakSNP3817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19850532	(T/C)
3818	CakSNP3818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19850589	(C/T)
3819	CakSNP3819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19855217	(T/C)
3820	CakSNP3820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19857613	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3821	CakSNP3821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19883898	(T/C)
3822	CakSNP3822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19883927	(A/G)
3823	CakSNP3823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19883936	(T/G)
3824	CakSNP3824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19896800	(C/T)
3825	CakSNP3825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19896849	(G/A)
3826	CakSNP3826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19907774	(T/C)
3827	CakSNP3827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19956343	(C/T)
3828	CakSNP3828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19956391	(C/T)
3829	CakSNP3829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19978343	(A/C)
3830	CakSNP3830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19978334	(A/C)
3831	CakSNP3831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19978407	(C/T)
3832	CakSNP3832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19979288	(A/T)
3833	CakSNP3833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19979318	(C/A)
3834	CakSNP3834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	19979390	(A/T)
3835	CakSNP3835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20000967	(C/G)
3836	CakSNP3836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20030262	(T/C)
3837	CakSNP3837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20030298	(G/A)
3838	CakSNP3838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20030484	(A/G)
3839	CakSNP3839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20103039	(G/A)
3840	CakSNP3840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20103060	(C/T)
3841	CakSNP3841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20103126	(A/C)
3842	CakSNP3842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20172492	(C/T)
3843	CakSNP3843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20240118	(T/G)
3844	CakSNP3844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20242663	(C/T)
3845	CakSNP3845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20331659	(G/A)
3846	CakSNP3846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20365442	(A/C)
3847	CakSNP3847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20387399	(T/A)
3848	CakSNP3848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20387471	(A/G)
3849	CakSNP3849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20415660	(C/G)
3850	CakSNP3850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20415615	(A/G)
3851	CakSNP3851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20462715	(T/A)
3852	CakSNP3852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20490488	(T/C)
3853	CakSNP3853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20495810	(G/A)
3854	CakSNP3854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20503939	(G/T)
3855	CakSNP3855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20506663	(C/G)
3856	CakSNP3856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20552836	(T/G)
3857	CakSNP3857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20555942	(G/A)
3858	CakSNP3858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20690207	(T/G)
3859	CakSNP3859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20690185	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3860	CakSNP3860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794236	(A/T)
3861	CakSNP3861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794206	(A/T)
3862	CakSNP3862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794984	(C/T)
3863	CakSNP3863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20795019	(C/T)
3864	CakSNP3864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20795014	(C/T)
3865	CakSNP3865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794976	(A/C)
3866	CakSNP3866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794993	(A/G)
3867	CakSNP3867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20794990	(G/A)
3868	CakSNP3868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799767	(A/G)
3869	CakSNP3869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799778	(C/T)
3870	CakSNP3870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799811	(C/T)
3871	CakSNP3871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799860	(A/G)
3872	CakSNP3872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799841	(C/T)
3873	CakSNP3873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799819	(C/T)
3874	CakSNP3874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20799820	(A/G)
3875	CakSNP3875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20822676	(T/C)
3876	CakSNP3876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20823146	(C/T)
3877	CakSNP3877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20828272	(G/T)
3878	CakSNP3878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20829399	(A/G)
3879	CakSNP3879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20829407	(T/G)
3880	CakSNP3880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20841298	(T/G)
3881	CakSNP3881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20841352	(C/T)
3882	CakSNP3882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	20880294	(T/A)
3883	CakSNP3883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21020182	(A/G)
3884	CakSNP3884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21020191	(C/T)
3885	CakSNP3885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069672	(A/G)
3886	CakSNP3886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069714	(G/A)
3887	CakSNP3887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069916	(C/T)
3888	CakSNP3888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069917	(G/A)
3889	CakSNP3889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069938	(C/A)
3890	CakSNP3890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069959	(G/A)
3891	CakSNP3891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21069986	(A/C)
3892	CakSNP3892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21127162	(C/G)
3893	CakSNP3893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21127156	(T/G)
3894	CakSNP3894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21198607	(A/T)
3895	CakSNP3895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21210002	(T/A)
3896	CakSNP3896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21210005	(C/A)
3897	CakSNP3897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21210008	(T/C)
3898	CakSNP3898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21210049	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3899	CakSNP3899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21273368	(A/G)
3900	CakSNP3900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21288626	(C/A)
3901	CakSNP3901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21288652	(G/C)
3902	CakSNP3902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21288695	(G/A)
3903	CakSNP3903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21335892	(C/T)
3904	CakSNP3904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21382790	(G/A)
3905	CakSNP3905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421082	(A/G)
3906	CakSNP3906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421085	(G/A)
3907	CakSNP3907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421146	(C/A)
3908	CakSNP3908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421162	(G/A)
3909	CakSNP3909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421358	(G/A)
3910	CakSNP3910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421362	(T/A)
3911	CakSNP3911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421369	(G/A)
3912	CakSNP3912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421424	(G/A)
3913	CakSNP3913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21421440	(C/T)
3914	CakSNP3914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21450650	(A/G)
3915	CakSNP3915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21452017	(G/A)
3916	CakSNP3916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21468634	(G/A)
3917	CakSNP3917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21468692	(A/C)
3918	CakSNP3918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21470784	(C/T)
3919	CakSNP3919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21500178	(G/A)
3920	CakSNP3920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21500179	(A/T)
3921	CakSNP3921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21507422	(T/C)
3922	CakSNP3922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21524084	(T/C)
3923	CakSNP3923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21524192	(T/C)
3924	CakSNP3924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21524296	(G/T)
3925	CakSNP3925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21524379	(A/G)
3926	CakSNP3926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21525184	(C/T)
3927	CakSNP3927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21525177	(G/A)
3928	CakSNP3928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21558388	(A/G)
3929	CakSNP3929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21558357	(T/G)
3930	CakSNP3930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21627610	(T/C)
3931	CakSNP3931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21634275	(A/C)
3932	CakSNP3932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21634271	(A/G)
3933	CakSNP3933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21646863	(C/T)
3934	CakSNP3934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21646872	(T/C)
3935	CakSNP3935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21646893	(C/A)
3936	CakSNP3936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21646965	(C/T)
3937	CakSNP3937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21646962	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3938	CakSNP3938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21654592	(T/A)
3939	CakSNP3939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21686470	(C/T)
3940	CakSNP3940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687439	(G/T)
3941	CakSNP3941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687966	(C/A)
3942	CakSNP3942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687961	(C/A)
3943	CakSNP3943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687960	(G/A)
3944	CakSNP3944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687959	(T/C)
3945	CakSNP3945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687956	(C/T)
3946	CakSNP3946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21687953	(C/T)
3947	CakSNP3947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21741914	(C/A)
3948	CakSNP3948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809395	(G/A)
3949	CakSNP3949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809456	(T/C)
3950	CakSNP3950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809457	(G/A)
3951	CakSNP3951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809546	(T/A)
3952	CakSNP3952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809505	(A/G)
3953	CakSNP3953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21809503	(T/C)
3954	CakSNP3954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21950053	(C/G)
3955	CakSNP3955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21950186	(A/G)
3956	CakSNP3956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	21950164	(A/G)
3957	CakSNP3957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22008087	(G/A)
3958	CakSNP3958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22026111	(A/G)
3959	CakSNP3959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22026647	(A/G)
3960	CakSNP3960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22060199	(G/T)
3961	CakSNP3961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22061236	(A/G)
3962	CakSNP3962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22062029	(G/T)
3963	CakSNP3963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22062958	(T/C)
3964	CakSNP3964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22062965	(C/T)
3965	CakSNP3965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22063826	(G/A)
3966	CakSNP3966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22063829	(G/A)
3967	CakSNP3967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22063835	(C/T)
3968	CakSNP3968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22073381	(C/T)
3969	CakSNP3969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22073447	(T/A)
3970	CakSNP3970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22075779	(C/G)
3971	CakSNP3971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22075990	(T/C)
3972	CakSNP3972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22169816	(T/C)
3973	CakSNP3973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22188124	(T/C)
3974	CakSNP3974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22188169	(T/A)
3975	CakSNP3975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22200927	(T/C)
3976	CakSNP3976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22201045	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
3977	CakSNP3977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22202317	(C/T)
3978	CakSNP3978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22202819	(T/C)
3979	CakSNP3979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22203460	(A/G)
3980	CakSNP3980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22225186	(C/A)
3981	CakSNP3981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22225154	(C/G)
3982	CakSNP3982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22225129	(C/G)
3983	CakSNP3983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22233428	(G/A)
3984	CakSNP3984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22233409	(T/C)
3985	CakSNP3985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22235801	(G/A)
3986	CakSNP3986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22253842	(T/C)
3987	CakSNP3987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22331057	(C/T)
3988	CakSNP3988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22346294	(T/C)
3989	CakSNP3989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22404660	(G/T)
3990	CakSNP3990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22527529	(A/C)
3991	CakSNP3991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22539384	(G/A)
3992	CakSNP3992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22539702	(C/T)
3993	CakSNP3993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22539885	(C/T)
3994	CakSNP3994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22539952	(G/A)
3995	CakSNP3995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22636201	(T/C)
3996	CakSNP3996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22646897	(T/C)
3997	CakSNP3997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22659924	(G/A)
3998	CakSNP3998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22681658	(G/A)
3999	CakSNP3999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22719470	(T/C)
4000	CakSNP4000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22719487	(T/C)
4001	CakSNP4001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22719494	(C/T)
4002	CakSNP4002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22719519	(G/A)
4003	CakSNP4003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22727393	(G/A)
4004	CakSNP4004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22727439	(A/C)
4005	CakSNP4005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22765806	(G/A)
4006	CakSNP4006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22765862	(T/C)
4007	CakSNP4007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22765987	(G/T)
4008	CakSNP4008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22798281	(T/G)
4009	CakSNP4009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22812717	(A/T)
4010	CakSNP4010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22846051	(G/A)
4011	CakSNP4011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22847885	(G/T)
4012	CakSNP4012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22847984	(A/G)
4013	CakSNP4013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	22990523	(C/T)
4014	CakSNP4014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23028855	(A/G)
4015	CakSNP4015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23033373	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4016	CakSNP4016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23042249	(A/C)
4017	CakSNP4017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23053008	(C/G)
4018	CakSNP4018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23053005	(G/C)
4019	CakSNP4019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23053066	(A/C)
4020	CakSNP4020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23095498	(C/T)
4021	CakSNP4021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23273057	(T/A)
4022	CakSNP4022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23273069	(C/G)
4023	CakSNP4023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23327648	(C/T)
4024	CakSNP4024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23327700	(G/C)
4025	CakSNP4025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23331530	(T/G)
4026	CakSNP4026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23335788	(A/T)
4027	CakSNP4027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23335789	(T/G)
4028	CakSNP4028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23340171	(A/G)
4029	CakSNP4029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23340134	(G/A)
4030	CakSNP4030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23340133	(T/C)
4031	CakSNP4031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23341384	(T/G)
4032	CakSNP4032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342297	(T/C)
4033	CakSNP4033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342305	(T/C)
4034	CakSNP4034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342338	(G/T)
4035	CakSNP4035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342347	(G/A)
4036	CakSNP4036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342350	(A/G)
4037	CakSNP4037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23342351	(T/C)
4038	CakSNP4038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23360857	(C/T)
4039	CakSNP4039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23400864	(A/C)
4040	CakSNP4040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23455008	(A/G)
4041	CakSNP4041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23455128	(A/G)
4042	CakSNP4042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23461370	(C/A)
4043	CakSNP4043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23555586	(C/A)
4044	CakSNP4044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23593288	(G/A)
4045	CakSNP4045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23593294	(T/C)
4046	CakSNP4046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23593309	(T/C)
4047	CakSNP4047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23593269	(T/C)
4048	CakSNP4048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23714158	(T/A)
4049	CakSNP4049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23714129	(C/A)
4050	CakSNP4050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23745324	(C/T)
4051	CakSNP4051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23792975	(A/T)
4052	CakSNP4052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23833683	(G/A)
4053	CakSNP4053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23833680	(G/C)
4054	CakSNP4054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23833668	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4055	CakSNP4055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23886582	(A/G)
4056	CakSNP4056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23918105	(T/C)
4057	CakSNP4057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23966110	(G/A)
4058	CakSNP4058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	23997287	(A/T)
4059	CakSNP4059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24000847	(G/T)
4060	CakSNP4060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24000818	(T/C)
4061	CakSNP4061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24024560	(T/C)
4062	CakSNP4062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24024513	(A/C)
4063	CakSNP4063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24025900	(G/C)
4064	CakSNP4064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24025924	(T/G)
4065	CakSNP4065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24026428	(C/T)
4066	CakSNP4066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24041806	(C/T)
4067	CakSNP4067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24095268	(T/C)
4068	CakSNP4068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24099191	(C/G)
4069	CakSNP4069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24127222	(C/T)
4070	CakSNP4070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24127201	(A/C)
4071	CakSNP4071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24162153	(C/T)
4072	CakSNP4072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24194574	(C/T)
4073	CakSNP4073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24247161	(G/C)
4074	CakSNP4074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24297842	(T/G)
4075	CakSNP4075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24297894	(C/A)
4076	CakSNP4076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24417477	(T/G)
4077	CakSNP4077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24417507	(A/T)
4078	CakSNP4078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24418063	(G/T)
4079	CakSNP4079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24418111	(A/G)
4080	CakSNP4080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24418130	(T/A)
4081	CakSNP4081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24459669	(G/A)
4082	CakSNP4082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24515489	(T/G)
4083	CakSNP4083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24538726	(A/C)
4084	CakSNP4084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24540199	(A/G)
4085	CakSNP4085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24540304	(T/C)
4086	CakSNP4086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24637834	(G/T)
4087	CakSNP4087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24637837	(A/C)
4088	CakSNP4088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24664582	(G/T)
4089	CakSNP4089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24664550	(T/G)
4090	CakSNP4090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24664651	(G/T)
4091	CakSNP4091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24666594	(T/C)
4092	CakSNP4092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24763730	(A/G)
4093	CakSNP4093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24933940	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4094	CakSNP4094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24933901	(C/A)
4095	CakSNP4095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24933899	(G/T)
4096	CakSNP4096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24998316	(C/G)
4097	CakSNP4097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	24998300	(C/T)
4098	CakSNP4098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25037746	(G/A)
4099	CakSNP4099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25046423	(C/G)
4100	CakSNP4100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25046421	(T/C)
4101	CakSNP4101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25055049	(C/T)
4102	CakSNP4102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25062250	(C/A)
4103	CakSNP4103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25110037	(T/G)
4104	CakSNP4104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25137192	(T/A)
4105	CakSNP4105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25147096	(G/A)
4106	CakSNP4106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25205548	(C/A)
4107	CakSNP4107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25241115	(G/A)
4108	CakSNP4108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25244194	(A/C)
4109	CakSNP4109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25270592	(C/G)
4110	CakSNP4110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25399911	(C/G)
4111	CakSNP4111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25457474	(T/A)
4112	CakSNP4112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25457494	(A/T)
4113	CakSNP4113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25457514	(C/A)
4114	CakSNP4114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25462227	(A/C)
4115	CakSNP4115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25504708	(A/G)
4116	CakSNP4116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25505438	(C/T)
4117	CakSNP4117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25505420	(G/T)
4118	CakSNP4118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25534044	(C/T)
4119	CakSNP4119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25538867	(T/C)
4120	CakSNP4120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25580072	(A/T)
4121	CakSNP4121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25614515	(T/G)
4122	CakSNP4122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25641434	(C/A)
4123	CakSNP4123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25641433	(G/A)
4124	CakSNP4124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25688341	(G/A)
4125	CakSNP4125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25702238	(G/A)
4126	CakSNP4126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25718829	(C/A)
4127	CakSNP4127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25718827	(T/A)
4128	CakSNP4128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25757693	(C/T)
4129	CakSNP4129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	25987920	(T/G)
4130	CakSNP4130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26119425	(T/G)
4131	CakSNP4131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26119461	(C/T)
4132	CakSNP4132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26163449	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4133	CakSNP4133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26178592	(G/A)
4134	CakSNP4134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26198368	(G/A)
4135	CakSNP4135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26198372	(G/A)
4136	CakSNP4136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26293846	(A/G)
4137	CakSNP4137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26335889	(T/A)
4138	CakSNP4138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26339286	(T/C)
4139	CakSNP4139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26339449	(G/T)
4140	CakSNP4140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26562004	(A/G)
4141	CakSNP4141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26573902	(A/G)
4142	CakSNP4142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26574056	(C/T)
4143	CakSNP4143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26574068	(T/G)
4144	CakSNP4144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26574831	(A/G)
4145	CakSNP4145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26589678	(T/A)
4146	CakSNP4146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26627150	(T/G)
4147	CakSNP4147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26636553	(A/G)
4148	CakSNP4148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26646152	(C/T)
4149	CakSNP4149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26678343	(T/C)
4150	CakSNP4150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26678433	(T/G)
4151	CakSNP4151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26726897	(C/A)
4152	CakSNP4152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26758452	(C/A)
4153	CakSNP4153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26848870	(G/C)
4154	CakSNP4154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26849288	(T/A)
4155	CakSNP4155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26878028	(A/T)
4156	CakSNP4156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26900271	(T/A)
4157	CakSNP4157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26911443	(A/T)
4158	CakSNP4158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26911514	(A/G)
4159	CakSNP4159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26911723	(T/A)
4160	CakSNP4160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26911792	(A/G)
4161	CakSNP4161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26976249	(A/G)
4162	CakSNP4162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	26976323	(G/A)
4163	CakSNP4163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27024215	(T/C)
4164	CakSNP4164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27047840	(A/G)
4165	CakSNP4165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27047847	(A/C)
4166	CakSNP4166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27063150	(A/C)
4167	CakSNP4167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27074842	(C/A)
4168	CakSNP4168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27074896	(A/T)
4169	CakSNP4169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27074931	(A/T)
4170	CakSNP4170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27074930	(A/C)
4171	CakSNP4171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27076716	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4172	CakSNP4172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27076735	(T/G)
4173	CakSNP4173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27076744	(C/A)
4174	CakSNP4174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27105637	(C/T)
4175	CakSNP4175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27157840	(T/A)
4176	CakSNP4176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27157848	(C/T)
4177	CakSNP4177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27161813	(T/G)
4178	CakSNP4178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27161801	(A/G)
4179	CakSNP4179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27194033	(C/T)
4180	CakSNP4180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27194069	(T/C)
4181	CakSNP4181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27338521	(T/C)
4182	CakSNP4182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27342919	(G/A)
4183	CakSNP4183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27391199	(G/A)
4184	CakSNP4184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27391354	(G/A)
4185	CakSNP4185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27391321	(A/G)
4186	CakSNP4186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27417561	(A/T)
4187	CakSNP4187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27420276	(T/C)
4188	CakSNP4188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27420330	(C/T)
4189	CakSNP4189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27435210	(T/C)
4190	CakSNP4190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27435209	(G/C)
4191	CakSNP4191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27435198	(T/A)
4192	CakSNP4192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27447685	(C/A)
4193	CakSNP4193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27470443	(A/C)
4194	CakSNP4194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27470439	(G/T)
4195	CakSNP4195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27597331	(A/C)
4196	CakSNP4196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27597409	(A/G)
4197	CakSNP4197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27632100	(G/A)
4198	CakSNP4198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27632169	(T/C)
4199	CakSNP4199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27654798	(A/C)
4200	CakSNP4200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27673727	(C/A)
4201	CakSNP4201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27681551	(T/C)
4202	CakSNP4202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27716396	(C/T)
4203	CakSNP4203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27763236	(C/T)
4204	CakSNP4204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27812571	(A/T)
4205	CakSNP4205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27876405	(A/G)
4206	CakSNP4206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27877442	(A/T)
4207	CakSNP4207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27877479	(C/T)
4208	CakSNP4208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27877480	(G/A)
4209	CakSNP4209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27877510	(G/A)
4210	CakSNP4210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27888817	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4211	CakSNP4211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27889107	(A/G)
4212	CakSNP4212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27890849	(C/T)
4213	CakSNP4213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27905944	(T/C)
4214	CakSNP4214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27905989	(G/A)
4215	CakSNP4215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27905995	(C/T)
4216	CakSNP4216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27906069	(C/A)
4217	CakSNP4217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27914409	(C/T)
4218	CakSNP4218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27968979	(T/G)
4219	CakSNP4219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27969014	(T/C)
4220	CakSNP4220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27969005	(A/G)
4221	CakSNP4221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	27969207	(C/T)
4222	CakSNP4222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28044035	(A/T)
4223	CakSNP4223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28176380	(A/C)
4224	CakSNP4224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28176333	(C/A)
4225	CakSNP4225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28277991	(C/G)
4226	CakSNP4226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28278018	(C/G)
4227	CakSNP4227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28374024	(C/T)
4228	CakSNP4228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28375082	(G/A)
4229	CakSNP4229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28409001	(G/A)
4230	CakSNP4230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28420948	(C/T)
4231	CakSNP4231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28478044	(C/T)
4232	CakSNP4232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28478539	(C/G)
4233	CakSNP4233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28478569	(C/A)
4234	CakSNP4234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28602055	(C/A)
4235	CakSNP4235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28603892	(T/C)
4236	CakSNP4236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28613067	(A/G)
4237	CakSNP4237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28614784	(A/G)
4238	CakSNP4238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28614919	(A/T)
4239	CakSNP4239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28680858	(C/T)
4240	CakSNP4240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28706106	(T/A)
4241	CakSNP4241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28706292	(G/C)
4242	CakSNP4242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28712993	(T/C)
4243	CakSNP4243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716003	(C/T)
4244	CakSNP4244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716027	(A/T)
4245	CakSNP4245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716028	(A/T)
4246	CakSNP4246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716029	(A/G)
4247	CakSNP4247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716038	(T/G)
4248	CakSNP4248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28716047	(G/A)
4249	CakSNP4249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28755111	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4250	CakSNP4250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28755149	(G/A)
4251	CakSNP4251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28845958	(A/C)
4252	CakSNP4252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28926094	(T/A)
4253	CakSNP4253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28926290	(T/C)
4254	CakSNP4254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28934196	(C/T)
4255	CakSNP4255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28943956	(C/T)
4256	CakSNP4256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	28943989	(G/T)
4257	CakSNP4257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29056451	(T/C)
4258	CakSNP4258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29056528	(G/T)
4259	CakSNP4259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29056768	(T/C)
4260	CakSNP4260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29107776	(A/G)
4261	CakSNP4261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29107947	(C/A)
4262	CakSNP4262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29155741	(C/G)
4263	CakSNP4263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29177885	(A/C)
4264	CakSNP4264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29188300	(T/G)
4265	CakSNP4265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29188308	(G/A)
4266	CakSNP4266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29207338	(G/A)
4267	CakSNP4267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29293770	(G/T)
4268	CakSNP4268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29293783	(G/A)
4269	CakSNP4269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29293840	(C/A)
4270	CakSNP4270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29302251	(C/T)
4271	CakSNP4271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29302448	(A/C)
4272	CakSNP4272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29303144	(A/C)
4273	CakSNP4273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29304116	(A/G)
4274	CakSNP4274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29304161	(C/T)
4275	CakSNP4275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29311672	(C/A)
4276	CakSNP4276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29348267	(C/T)
4277	CakSNP4277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29355268	(T/A)
4278	CakSNP4278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29376025	(A/G)
4279	CakSNP4279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29376008	(G/A)
4280	CakSNP4280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29439505	(A/G)
4281	CakSNP4281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29485590	(T/C)
4282	CakSNP4282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29485566	(T/A)
4283	CakSNP4283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29508831	(C/T)
4284	CakSNP4284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29509323	(G/A)
4285	CakSNP4285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29509310	(G/T)
4286	CakSNP4286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29547528	(G/A)
4287	CakSNP4287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29588940	(C/T)
4288	CakSNP4288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29588934	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4289	CakSNP4289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29588930	(T/C)
4290	CakSNP4290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29591575	(T/G)
4291	CakSNP4291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29591613	(G/T)
4292	CakSNP4292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29603720	(T/C)
4293	CakSNP4293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29640075	(A/C)
4294	CakSNP4294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29640071	(T/C)
4295	CakSNP4295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29666633	(C/T)
4296	CakSNP4296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29690732	(C/A)
4297	CakSNP4297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29698166	(G/T)
4298	CakSNP4298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29698245	(T/A)
4299	CakSNP4299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29698289	(G/A)
4300	CakSNP4300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29698273	(A/C)
4301	CakSNP4301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29730019	(G/T)
4302	CakSNP4302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29744878	(T/G)
4303	CakSNP4303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29744890	(A/C)
4304	CakSNP4304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29803866	(C/T)
4305	CakSNP4305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29803962	(A/G)
4306	CakSNP4306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29807091	(C/G)
4307	CakSNP4307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29807248	(A/G)
4308	CakSNP4308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29836337	(C/A)
4309	CakSNP4309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29840029	(C/G)
4310	CakSNP4310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29840028	(T/C)
4311	CakSNP4311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29840022	(C/A)
4312	CakSNP4312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29840012	(A/T)
4313	CakSNP4313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29844509	(T/A)
4314	CakSNP4314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29869190	(G/T)
4315	CakSNP4315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29869199	(T/C)
4316	CakSNP4316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29869428	(G/T)
4317	CakSNP4317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29869381	(G/A)
4318	CakSNP4318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29869380	(G/A)
4319	CakSNP4319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29872643	(A/G)
4320	CakSNP4320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29872682	(G/A)
4321	CakSNP4321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29898396	(A/G)
4322	CakSNP4322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29912488	(A/G)
4323	CakSNP4323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29915510	(G/A)
4324	CakSNP4324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29932378	(C/G)
4325	CakSNP4325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29932504	(T/A)
4326	CakSNP4326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29932502	(G/C)
4327	CakSNP4327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29954498	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4328	CakSNP4328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29954533	(A/G)
4329	CakSNP4329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29954648	(A/T)
4330	CakSNP4330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29954612	(T/G)
4331	CakSNP4331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29974532	(A/G)
4332	CakSNP4332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29974535	(A/G)
4333	CakSNP4333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29974595	(C/T)
4334	CakSNP4334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29982638	(A/G)
4335	CakSNP4335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29982644	(T/C)
4336	CakSNP4336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	29982718	(C/A)
4337	CakSNP4337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30004352	(T/A)
4338	CakSNP4338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30004311	(T/G)
4339	CakSNP4339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30004295	(A/G)
4340	CakSNP4340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30004279	(G/T)
4341	CakSNP4341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30009698	(C/T)
4342	CakSNP4342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30009751	(A/C)
4343	CakSNP4343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30011584	(T/C)
4344	CakSNP4344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30011669	(A/G)
4345	CakSNP4345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30011642	(T/A)
4346	CakSNP4346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30011621	(C/T)
4347	CakSNP4347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30029874	(C/T)
4348	CakSNP4348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30029858	(T/A)
4349	CakSNP4349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30029842	(G/C)
4350	CakSNP4350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30029826	(T/C)
4351	CakSNP4351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30029817	(T/G)
4352	CakSNP4352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30084154	(T/C)
4353	CakSNP4353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30101412	(T/C)
4354	CakSNP4354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30101476	(A/C)
4355	CakSNP4355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30111154	(A/C)
4356	CakSNP4356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30111146	(G/C)
4357	CakSNP4357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30148907	(T/C)
4358	CakSNP4358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30194810	(C/T)
4359	CakSNP4359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30206121	(T/A)
4360	CakSNP4360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30206266	(G/A)
4361	CakSNP4361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30206281	(A/T)
4362	CakSNP4362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30206436	(G/A)
4363	CakSNP4363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30267761	(T/G)
4364	CakSNP4364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30271022	(G/T)
4365	CakSNP4365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30271028	(G/A)
4366	CakSNP4366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30271034	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4367	CakSNP4367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30309625	(G/C)
4368	CakSNP4368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30309624	(A/T)
4369	CakSNP4369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30321177	(C/G)
4370	CakSNP4370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30321245	(C/T)
4371	CakSNP4371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30321272	(C/A)
4372	CakSNP4372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30323585	(G/A)
4373	CakSNP4373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30376319	(G/A)
4374	CakSNP4374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30385144	(G/A)
4375	CakSNP4375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30385153	(T/A)
4376	CakSNP4376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30390663	(C/T)
4377	CakSNP4377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30397262	(A/T)
4378	CakSNP4378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30425496	(G/T)
4379	CakSNP4379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30510392	(T/A)
4380	CakSNP4380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30510333	(C/T)
4381	CakSNP4381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30522442	(A/C)
4382	CakSNP4382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30522485	(C/T)
4383	CakSNP4383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30522498	(T/C)
4384	CakSNP4384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30650598	(C/A)
4385	CakSNP4385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30650634	(T/C)
4386	CakSNP4386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30650659	(C/T)
4387	CakSNP4387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30659438	(T/A)
4388	CakSNP4388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30675468	(T/G)
4389	CakSNP4389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30681031	(A/G)
4390	CakSNP4390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30681032	(A/G)
4391	CakSNP4391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688336	(T/G)
4392	CakSNP4392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688354	(G/A)
4393	CakSNP4393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688369	(T/C)
4394	CakSNP4394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688418	(A/C)
4395	CakSNP4395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688511	(G/C)
4396	CakSNP4396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688485	(C/A)
4397	CakSNP4397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688484	(A/C)
4398	CakSNP4398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688454	(A/G)
4399	CakSNP4399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30688451	(T/C)
4400	CakSNP4400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30718334	(G/T)
4401	CakSNP4401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30751893	(A/C)
4402	CakSNP4402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30751949	(A/T)
4403	CakSNP4403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30791169	(A/T)
4404	CakSNP4404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30791229	(G/A)
4405	CakSNP4405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30791693	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4406	CakSNP4406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30794040	(C/A)
4407	CakSNP4407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30794046	(A/C)
4408	CakSNP4408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30837147	(A/G)
4409	CakSNP4409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30837284	(C/T)
4410	CakSNP4410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30837265	(T/C)
4411	CakSNP4411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30880452	(T/C)
4412	CakSNP4412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	30880610	(A/G)
4413	CakSNP4413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31020357	(C/A)
4414	CakSNP4414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31020358	(C/G)
4415	CakSNP4415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31073396	(T/C)
4416	CakSNP4416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31073425	(G/C)
4417	CakSNP4417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31073451	(A/G)
4418	CakSNP4418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31091875	(T/G)
4419	CakSNP4419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31267639	(T/A)
4420	CakSNP4420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31267675	(A/G)
4421	CakSNP4421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31267681	(G/A)
4422	CakSNP4422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31267828	(A/G)
4423	CakSNP4423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31267927	(T/G)
4424	CakSNP4424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31268143	(A/G)
4425	CakSNP4425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279502	(C/T)
4426	CakSNP4426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279541	(A/G)
4427	CakSNP4427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279639	(C/T)
4428	CakSNP4428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279629	(C/G)
4429	CakSNP4429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279628	(T/C)
4430	CakSNP4430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279616	(T/A)
4431	CakSNP4431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279606	(G/A)
4432	CakSNP4432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279605	(G/A)
4433	CakSNP4433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279604	(C/G)
4434	CakSNP4434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279600	(T/C)
4435	CakSNP4435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31279586	(A/G)
4436	CakSNP4436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31287618	(C/A)
4437	CakSNP4437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31287909	(A/G)
4438	CakSNP4438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31288143	(T/C)
4439	CakSNP4439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31301723	(G/A)
4440	CakSNP4440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31301783	(A/G)
4441	CakSNP4441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31302060	(T/C)
4442	CakSNP4442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31302117	(C/T)
4443	CakSNP4443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31313021	(G/T)
4444	CakSNP4444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31317521	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4445	CakSNP4445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31321725	(A/G)
4446	CakSNP4446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31321778	(G/A)
4447	CakSNP4447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31321850	(A/G)
4448	CakSNP4448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31341335	(C/T)
4449	CakSNP4449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31341323	(T/C)
4450	CakSNP4450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31342119	(A/T)
4451	CakSNP4451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31354988	(G/C)
4452	CakSNP4452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31355001	(C/T)
4453	CakSNP4453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31355026	(T/C)
4454	CakSNP4454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31355066	(A/T)
4455	CakSNP4455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31357787	(A/T)
4456	CakSNP4456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31431216	(C/T)
4457	CakSNP4457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31478804	(T/C)
4458	CakSNP4458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31478882	(C/T)
4459	CakSNP4459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31480603	(T/C)
4460	CakSNP4460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31516662	(G/T)
4461	CakSNP4461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31516766	(T/C)
4462	CakSNP4462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31520119	(C/T)
4463	CakSNP4463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31520225	(A/T)
4464	CakSNP4464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31520198	(G/A)
4465	CakSNP4465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31520190	(T/C)
4466	CakSNP4466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31520832	(G/A)
4467	CakSNP4467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31521142	(T/C)
4468	CakSNP4468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31521155	(T/A)
4469	CakSNP4469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31589355	(A/G)
4470	CakSNP4470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31589329	(C/T)
4471	CakSNP4471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31591065	(G/A)
4472	CakSNP4472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31606359	(C/T)
4473	CakSNP4473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31630175	(T/A)
4474	CakSNP4474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31630178	(G/T)
4475	CakSNP4475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31630195	(T/C)
4476	CakSNP4476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631451	(A/C)
4477	CakSNP4477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631444	(T/G)
4478	CakSNP4478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631561	(G/A)
4479	CakSNP4479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631534	(A/G)
4480	CakSNP4480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631622	(G/A)
4481	CakSNP4481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31631644	(A/C)
4482	CakSNP4482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31646735	(C/T)
4483	CakSNP4483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31646817	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4484	CakSNP4484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31646802	(G/A)
4485	CakSNP4485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31683906	(A/G)
4486	CakSNP4486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31689128	(C/T)
4487	CakSNP4487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31698493	(A/C)
4488	CakSNP4488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31766363	(G/A)
4489	CakSNP4489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31770365	(A/C)
4490	CakSNP4490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31771314	(C/A)
4491	CakSNP4491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31790189	(C/T)
4492	CakSNP4492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31790216	(G/A)
4493	CakSNP4493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31790239	(G/T)
4494	CakSNP4494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31790352	(G/A)
4495	CakSNP4495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31814300	(A/G)
4496	CakSNP4496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31852191	(T/C)
4497	CakSNP4497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31857877	(C/T)
4498	CakSNP4498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31859152	(C/G)
4499	CakSNP4499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31859251	(T/C)
4500	CakSNP4500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31926694	(C/G)
4501	CakSNP4501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31931014	(A/C)
4502	CakSNP4502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31945504	(C/T)
4503	CakSNP4503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31945634	(A/G)
4504	CakSNP4504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31951994	(G/A)
4505	CakSNP4505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31953466	(G/A)
4506	CakSNP4506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	31953549	(C/T)
4507	CakSNP4507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32351052	(C/T)
4508	CakSNP4508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32351031	(G/C)
4509	CakSNP4509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32357599	(C/T)
4510	CakSNP4510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32357578	(G/C)
4511	CakSNP4511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32448959	(T/C)
4512	CakSNP4512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32449654	(T/G)
4513	CakSNP4513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32449700	(C/T)
4514	CakSNP4514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510033	(T/G)
4515	CakSNP4515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510090	(A/G)
4516	CakSNP4516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510130	(A/G)
4517	CakSNP4517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510124	(C/T)
4518	CakSNP4518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510111	(C/T)
4519	CakSNP4519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510071	(G/T)
4520	CakSNP4520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32510081	(C/T)
4521	CakSNP4521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514908	(A/G)
4522	CakSNP4522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514890	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4523	CakSNP4523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514889	(C/T)
4524	CakSNP4524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514869	(C/T)
4525	CakSNP4525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514868	(A/G)
4526	CakSNP4526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514867	(C/T)
4527	CakSNP4527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514863	(G/C)
4528	CakSNP4528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514859	(C/T)
4529	CakSNP4529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32514916	(G/C)
4530	CakSNP4530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32525128	(G/T)
4531	CakSNP4531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32557850	(C/T)
4532	CakSNP4532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32571237	(G/A)
4533	CakSNP4533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32571291	(A/G)
4534	CakSNP4534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32571275	(T/C)
4535	CakSNP4535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32600003	(A/G)
4536	CakSNP4536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32601732	(T/C)
4537	CakSNP4537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32608947	(A/G)
4538	CakSNP4538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32662861	(A/G)
4539	CakSNP4539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32662858	(A/G)
4540	CakSNP4540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32663015	(C/T)
4541	CakSNP4541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32663059	(A/C)
4542	CakSNP4542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32694509	(T/C)
4543	CakSNP4543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32694454	(T/C)
4544	CakSNP4544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32704734	(G/A)
4545	CakSNP4545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32704868	(G/T)
4546	CakSNP4546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32704953	(G/A)
4547	CakSNP4547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32706200	(C/T)
4548	CakSNP4548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32725039	(C/G)
4549	CakSNP4549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32725096	(A/T)
4550	CakSNP4550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32758259	(C/A)
4551	CakSNP4551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32758293	(T/C)
4552	CakSNP4552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32785228	(A/G)
4553	CakSNP4553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32827067	(C/G)
4554	CakSNP4554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32827065	(T/G)
4555	CakSNP4555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32845361	(A/G)
4556	CakSNP4556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32845395	(C/A)
4557	CakSNP4557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32847120	(T/A)
4558	CakSNP4558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32847216	(A/G)
4559	CakSNP4559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32865549	(C/T)
4560	CakSNP4560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32865530	(C/G)
4561	CakSNP4561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	32954428	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4562	CakSNP4562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33033245	(T/C)
4563	CakSNP4563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33091737	(A/C)
4564	CakSNP4564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33120619	(G/A)
4565	CakSNP4565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33120825	(G/A)
4566	CakSNP4566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33520615	(A/C)
4567	CakSNP4567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33520887	(G/A)
4568	CakSNP4568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33522974	(G/A)
4569	CakSNP4569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33533273	(G/A)
4570	CakSNP4570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33627826	(A/C)
4571	CakSNP4571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33715215	(G/T)
4572	CakSNP4572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33898250	(C/T)
4573	CakSNP4573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33900522	(A/G)
4574	CakSNP4574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33900533	(A/G)
4575	CakSNP4575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	33904394	(T/A)
4576	CakSNP4576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34247736	(T/G)
4577	CakSNP4577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34247831	(G/A)
4578	CakSNP4578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34247828	(T/C)
4579	CakSNP4579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34247893	(A/G)
4580	CakSNP4580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34268356	(A/T)
4581	CakSNP4581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34282419	(C/T)
4582	CakSNP4582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34290129	(T/C)
4583	CakSNP4583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34290135	(G/A)
4584	CakSNP4584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34290173	(C/T)
4585	CakSNP4585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34352385	(A/C)
4586	CakSNP4586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34356844	(A/C)
4587	CakSNP4587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34357171	(T/G)
4588	CakSNP4588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34357296	(C/G)
4589	CakSNP4589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34496982	(G/C)
4590	CakSNP4590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34524656	(C/A)
4591	CakSNP4591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34542046	(T/G)
4592	CakSNP4592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34543039	(C/T)
4593	CakSNP4593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34543111	(A/G)
4594	CakSNP4594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34547052	(A/T)
4595	CakSNP4595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34547069	(G/T)
4596	CakSNP4596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34547141	(A/G)
4597	CakSNP4597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34576769	(G/A)
4598	CakSNP4598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34595487	(A/G)
4599	CakSNP4599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34601038	(T/C)
4600	CakSNP4600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34603669	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4601	CakSNP4601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34650308	(G/A)
4602	CakSNP4602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34650245	(G/A)
4603	CakSNP4603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34662736	(T/G)
4604	CakSNP4604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34699114	(C/A)
4605	CakSNP4605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34699076	(T/C)
4606	CakSNP4606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34722508	(A/T)
4607	CakSNP4607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34722931	(A/G)
4608	CakSNP4608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34722979	(T/C)
4609	CakSNP4609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34722992	(T/G)
4610	CakSNP4610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34730463	(T/C)
4611	CakSNP4611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34730954	(G/A)
4612	CakSNP4612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34800277	(G/A)
4613	CakSNP4613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34820472	(T/A)
4614	CakSNP4614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34820532	(T/A)
4615	CakSNP4615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34852030	(G/A)
4616	CakSNP4616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34852070	(T/G)
4617	CakSNP4617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34852047	(T/A)
4618	CakSNP4618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34889316	(C/G)
4619	CakSNP4619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34889361	(T/C)
4620	CakSNP4620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	34911621	(G/A)
4621	CakSNP4621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35071821	(A/G)
4622	CakSNP4622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35071852	(T/G)
4623	CakSNP4623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35085559	(T/A)
4624	CakSNP4624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35085658	(C/A)
4625	CakSNP4625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35126649	(C/G)
4626	CakSNP4626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35126766	(G/A)
4627	CakSNP4627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35126760	(G/A)
4628	CakSNP4628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35167312	(T/G)
4629	CakSNP4629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35167359	(T/G)
4630	CakSNP4630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35185001	(G/T)
4631	CakSNP4631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35274992	(A/G)
4632	CakSNP4632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35275199	(T/C)
4633	CakSNP4633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35332088	(T/A)
4634	CakSNP4634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35332091	(T/C)
4635	CakSNP4635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35383318	(C/T)
4636	CakSNP4636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35394684	(G/T)
4637	CakSNP4637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35403074	(A/G)
4638	CakSNP4638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35420061	(A/G)
4639	CakSNP4639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35420108	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4640	CakSNP4640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35424994	(T/C)
4641	CakSNP4641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35483932	(T/C)
4642	CakSNP4642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35483960	(T/C)
4643	CakSNP4643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35483995	(T/C)
4644	CakSNP4644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35483999	(C/T)
4645	CakSNP4645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35484034	(G/C)
4646	CakSNP4646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35487736	(T/C)
4647	CakSNP4647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35488503	(A/C)
4648	CakSNP4648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35488597	(T/C)
4649	CakSNP4649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35488570	(G/T)
4650	CakSNP4650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35490991	(A/G)
4651	CakSNP4651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35490951	(C/T)
4652	CakSNP4652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35543614	(C/T)
4653	CakSNP4653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35631679	(C/G)
4654	CakSNP4654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35631689	(C/A)
4655	CakSNP4655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35631723	(A/G)
4656	CakSNP4656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35647986	(C/G)
4657	CakSNP4657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35747394	(C/G)
4658	CakSNP4658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35807222	(A/G)
4659	CakSNP4659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35807265	(T/C)
4660	CakSNP4660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35807407	(A/T)
4661	CakSNP4661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35829834	(A/G)
4662	CakSNP4662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35898320	(G/C)
4663	CakSNP4663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35898374	(G/A)
4664	CakSNP4664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35898581	(C/T)
4665	CakSNP4665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35920684	(A/C)
4666	CakSNP4666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35920860	(C/A)
4667	CakSNP4667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35948487	(G/A)
4668	CakSNP4668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	35979412	(G/T)
4669	CakSNP4669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36003699	(G/A)
4670	CakSNP4670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36003682	(G/T)
4671	CakSNP4671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36004638	(C/T)
4672	CakSNP4672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36004663	(T/C)
4673	CakSNP4673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36004668	(A/G)
4674	CakSNP4674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36046759	(G/A)
4675	CakSNP4675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36046938	(C/T)
4676	CakSNP4676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36046956	(A/C)
4677	CakSNP4677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36050259	(T/G)
4678	CakSNP4678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36050319	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4679	CakSNP4679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36071033	(A/G)
4680	CakSNP4680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36085966	(G/A)
4681	CakSNP4681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36117521	(A/G)
4682	CakSNP4682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36118120	(T/C)
4683	CakSNP4683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36118156	(C/T)
4684	CakSNP4684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36119592	(T/C)
4685	CakSNP4685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36119602	(C/A)
4686	CakSNP4686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36130561	(T/A)
4687	CakSNP4687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36130610	(C/A)
4688	CakSNP4688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132440	(T/C)
4689	CakSNP4689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132437	(C/T)
4690	CakSNP4690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132401	(C/T)
4691	CakSNP4691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132480	(C/T)
4692	CakSNP4692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132539	(C/T)
4693	CakSNP4693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132586	(T/G)
4694	CakSNP4694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132570	(G/A)
4695	CakSNP4695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36132554	(A/T)
4696	CakSNP4696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36150722	(G/A)
4697	CakSNP4697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36150717	(T/C)
4698	CakSNP4698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36164863	(T/G)
4699	CakSNP4699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36164866	(T/C)
4700	CakSNP4700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36165997	(C/G)
4701	CakSNP4701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36167136	(G/T)
4702	CakSNP4702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36175164	(G/A)
4703	CakSNP4703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36177201	(T/C)
4704	CakSNP4704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36205806	(T/G)
4705	CakSNP4705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36205819	(A/G)
4706	CakSNP4706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36205845	(A/G)
4707	CakSNP4707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36206615	(A/C)
4708	CakSNP4708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36212799	(A/T)
4709	CakSNP4709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36212809	(G/A)
4710	CakSNP4710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36212843	(T/A)
4711	CakSNP4711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36217686	(G/A)
4712	CakSNP4712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36227565	(A/T)
4713	CakSNP4713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36227566	(A/T)
4714	CakSNP4714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36227948	(A/G)
4715	CakSNP4715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36227949	(C/T)
4716	CakSNP4716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36228078	(G/A)
4717	CakSNP4717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36228032	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4718	CakSNP4718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36228121	(T/A)
4719	CakSNP4719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36228126	(T/A)
4720	CakSNP4720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36242506	(C/T)
4721	CakSNP4721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36242504	(C/T)
4722	CakSNP4722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36242490	(G/T)
4723	CakSNP4723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36242480	(G/C)
4724	CakSNP4724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36247792	(T/C)
4725	CakSNP4725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36260865	(C/A)
4726	CakSNP4726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36282091	(T/G)
4727	CakSNP4727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36293589	(A/G)
4728	CakSNP4728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36293625	(C/T)
4729	CakSNP4729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36293637	(C/T)
4730	CakSNP4730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36330750	(A/G)
4731	CakSNP4731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36330815	(T/C)
4732	CakSNP4732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36345158	(T/C)
4733	CakSNP4733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36347203	(T/A)
4734	CakSNP4734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36361339	(C/T)
4735	CakSNP4735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36378294	(G/T)
4736	CakSNP4736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36378299	(C/G)
4737	CakSNP4737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36378358	(G/A)
4738	CakSNP4738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36387615	(A/T)
4739	CakSNP4739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36387732	(G/A)
4740	CakSNP4740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36387718	(C/T)
4741	CakSNP4741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36396559	(C/A)
4742	CakSNP4742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36420902	(T/C)
4743	CakSNP4743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36432389	(A/G)
4744	CakSNP4744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36447274	(G/A)
4745	CakSNP4745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36447364	(T/A)
4746	CakSNP4746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36447520	(T/A)
4747	CakSNP4747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36447525	(C/T)
4748	CakSNP4748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36488722	(T/A)
4749	CakSNP4749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36488736	(T/C)
4750	CakSNP4750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36488853	(A/G)
4751	CakSNP4751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36488890	(A/G)
4752	CakSNP4752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36503906	(C/T)
4753	CakSNP4753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36503912	(T/C)
4754	CakSNP4754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36524598	(G/C)
4755	CakSNP4755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36524635	(A/G)
4756	CakSNP4756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36524659	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4757	CakSNP4757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36531151	(C/A)
4758	CakSNP4758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36588856	(C/T)
4759	CakSNP4759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36588896	(C/G)
4760	CakSNP4760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36606527	(G/A)
4761	CakSNP4761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36609043	(G/A)
4762	CakSNP4762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36616855	(T/C)
4763	CakSNP4763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36644117	(A/T)
4764	CakSNP4764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36733097	(G/A)
4765	CakSNP4765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36733157	(A/G)
4766	CakSNP4766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36733211	(A/G)
4767	CakSNP4767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749775	(T/A)
4768	CakSNP4768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749826	(G/A)
4769	CakSNP4769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749829	(T/C)
4770	CakSNP4770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749831	(T/C)
4771	CakSNP4771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749871	(T/C)
4772	CakSNP4772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749904	(C/T)
4773	CakSNP4773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36749916	(C/A)
4774	CakSNP4774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36752689	(T/G)
4775	CakSNP4775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36769775	(G/T)
4776	CakSNP4776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36783494	(T/A)
4777	CakSNP4777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36825463	(T/C)
4778	CakSNP4778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36860134	(A/G)
4779	CakSNP4779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36860246	(T/C)
4780	CakSNP4780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36873720	(T/C)
4781	CakSNP4781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36883268	(T/C)
4782	CakSNP4782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36883333	(A/T)
4783	CakSNP4783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36895362	(T/C)
4784	CakSNP4784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36938148	(A/G)
4785	CakSNP4785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36938271	(G/C)
4786	CakSNP4786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36943522	(A/G)
4787	CakSNP4787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	36991718	(C/A)
4788	CakSNP4788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37003976	(C/T)
4789	CakSNP4789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37004026	(A/G)
4790	CakSNP4790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37022354	(A/G)
4791	CakSNP4791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37034618	(G/A)
4792	CakSNP4792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37067095	(T/G)
4793	CakSNP4793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37072289	(A/G)
4794	CakSNP4794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37072276	(T/G)
4795	CakSNP4795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37072312	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4796	CakSNP4796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37077087	(G/T)
4797	CakSNP4797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37090968	(T/C)
4798	CakSNP4798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37091004	(A/G)
4799	CakSNP4799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37094437	(T/C)
4800	CakSNP4800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37100897	(G/T)
4801	CakSNP4801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37101339	(A/T)
4802	CakSNP4802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37101433	(T/G)
4803	CakSNP4803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37101409	(A/G)
4804	CakSNP4804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37108762	(A/G)
4805	CakSNP4805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37108908	(A/G)
4806	CakSNP4806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37108904	(A/T)
4807	CakSNP4807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37108876	(C/A)
4808	CakSNP4808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37110070	(A/G)
4809	CakSNP4809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37110124	(A/T)
4810	CakSNP4810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37146766	(C/G)
4811	CakSNP4811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37146840	(A/G)
4812	CakSNP4812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37154761	(T/G)
4813	CakSNP4813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37154857	(T/C)
4814	CakSNP4814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37154938	(A/C)
4815	CakSNP4815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37154957	(C/A)
4816	CakSNP4816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37155925	(G/A)
4817	CakSNP4817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37156951	(A/G)
4818	CakSNP4818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37160822	(G/T)
4819	CakSNP4819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37160939	(A/G)
4820	CakSNP4820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37164633	(T/C)
4821	CakSNP4821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37170249	(C/T)
4822	CakSNP4822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37271869	(T/C)
4823	CakSNP4823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37300206	(T/G)
4824	CakSNP4824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37303478	(G/A)
4825	CakSNP4825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37308614	(T/C)
4826	CakSNP4826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37309420	(A/C)
4827	CakSNP4827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37316736	(T/C)
4828	CakSNP4828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37316737	(C/T)
4829	CakSNP4829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37316782	(G/A)
4830	CakSNP4830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37355013	(A/G)
4831	CakSNP4831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37444451	(C/A)
4832	CakSNP4832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37566557	(C/A)
4833	CakSNP4833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37599142	(T/C)
4834	CakSNP4834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37604672	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4835	CakSNP4835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37630502	(T/C)
4836	CakSNP4836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37635909	(G/A)
4837	CakSNP4837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37635961	(C/T)
4838	CakSNP4838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37639300	(A/G)
4839	CakSNP4839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37682816	(T/C)
4840	CakSNP4840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37682824	(G/A)
4841	CakSNP4841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37723959	(C/T)
4842	CakSNP4842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37759329	(G/A)
4843	CakSNP4843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37765767	(A/C)
4844	CakSNP4844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37806690	(G/A)
4845	CakSNP4845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37814955	(A/T)
4846	CakSNP4846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37814954	(T/A)
4847	CakSNP4847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37816895	(T/A)
4848	CakSNP4848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37859943	(T/C)
4849	CakSNP4849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37864390	(C/T)
4850	CakSNP4850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37866258	(A/G)
4851	CakSNP4851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37886983	(G/T)
4852	CakSNP4852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37886971	(A/G)
4853	CakSNP4853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37886942	(A/C)
4854	CakSNP4854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37908317	(T/C)
4855	CakSNP4855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37908492	(A/C)
4856	CakSNP4856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37910881	(A/G)
4857	CakSNP4857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37910899	(T/C)
4858	CakSNP4858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37910911	(C/T)
4859	CakSNP4859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37913266	(C/T)
4860	CakSNP4860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37919880	(C/T)
4861	CakSNP4861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37942807	(A/G)
4862	CakSNP4862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37942962	(T/C)
4863	CakSNP4863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37985612	(A/C)
4864	CakSNP4864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37985652	(C/T)
4865	CakSNP4865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37985776	(T/A)
4866	CakSNP4866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37985977	(A/G)
4867	CakSNP4867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	37985947	(A/T)
4868	CakSNP4868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38026470	(G/C)
4869	CakSNP4869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38026539	(A/G)
4870	CakSNP4870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38026734	(G/C)
4871	CakSNP4871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38026725	(G/A)
4872	CakSNP4872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38029095	(G/C)
4873	CakSNP4873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38033965	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4874	CakSNP4874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38033969	(A/G)
4875	CakSNP4875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38046510	(T/C)
4876	CakSNP4876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38046575	(A/C)
4877	CakSNP4877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38049996	(A/G)
4878	CakSNP4878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38059303	(T/C)
4879	CakSNP4879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38059311	(T/A)
4880	CakSNP4880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38060814	(A/G)
4881	CakSNP4881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38060755	(T/C)
4882	CakSNP4882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38060742	(C/T)
4883	CakSNP4883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38074259	(C/A)
4884	CakSNP4884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38103375	(T/C)
4885	CakSNP4885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38103378	(C/T)
4886	CakSNP4886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38103381	(C/T)
4887	CakSNP4887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38103385	(C/T)
4888	CakSNP4888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38103524	(C/T)
4889	CakSNP4889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38112801	(C/T)
4890	CakSNP4890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38112802	(T/C)
4891	CakSNP4891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38112971	(A/G)
4892	CakSNP4892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38117169	(T/C)
4893	CakSNP4893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38130415	(T/C)
4894	CakSNP4894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38130410	(A/G)
4895	CakSNP4895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38145115	(C/T)
4896	CakSNP4896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38157519	(T/C)
4897	CakSNP4897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38166074	(A/G)
4898	CakSNP4898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38166881	(C/T)
4899	CakSNP4899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38202223	(C/T)
4900	CakSNP4900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38220910	(T/C)
4901	CakSNP4901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38220949	(A/T)
4902	CakSNP4902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38220958	(A/G)
4903	CakSNP4903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38222750	(A/C)
4904	CakSNP4904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38222747	(G/A)
4905	CakSNP4905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38222733	(C/G)
4906	CakSNP4906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38228118	(G/T)
4907	CakSNP4907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38237246	(T/G)
4908	CakSNP4908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38251660	(C/A)
4909	CakSNP4909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38253654	(T/C)
4910	CakSNP4910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38258645	(C/A)
4911	CakSNP4911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38264250	(C/T)
4912	CakSNP4912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38294286	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4913	CakSNP4913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38296573	(A/G)
4914	CakSNP4914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38315560	(G/T)
4915	CakSNP4915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38321159	(T/C)
4916	CakSNP4916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38321153	(G/T)
4917	CakSNP4917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38386392	(T/C)
4918	CakSNP4918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38424238	(A/T)
4919	CakSNP4919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38452060	(A/C)
4920	CakSNP4920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38465366	(G/A)
4921	CakSNP4921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38465335	(G/A)
4922	CakSNP4922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38465440	(G/A)
4923	CakSNP4923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38496236	(A/G)
4924	CakSNP4924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38501705	(T/C)
4925	CakSNP4925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38539721	(T/G)
4926	CakSNP4926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38551142	(C/T)
4927	CakSNP4927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38555941	(G/A)
4928	CakSNP4928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38555944	(A/G)
4929	CakSNP4929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38592077	(G/A)
4930	CakSNP4930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38624786	(C/T)
4931	CakSNP4931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38624934	(T/C)
4932	CakSNP4932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38672863	(C/A)
4933	CakSNP4933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38704356	(C/T)
4934	CakSNP4934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38728528	(C/T)
4935	CakSNP4935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38728679	(T/C)
4936	CakSNP4936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38731315	(C/T)
4937	CakSNP4937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38731466	(T/G)
4938	CakSNP4938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38764372	(G/A)
4939	CakSNP4939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38764390	(A/C)
4940	CakSNP4940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38766156	(T/A)
4941	CakSNP4941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38766174	(A/G)
4942	CakSNP4942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38766311	(A/C)
4943	CakSNP4943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38771817	(A/G)
4944	CakSNP4944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38776366	(T/G)
4945	CakSNP4945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38785843	(C/G)
4946	CakSNP4946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38785845	(C/T)
4947	CakSNP4947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38793194	(T/C)
4948	CakSNP4948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38805822	(T/A)
4949	CakSNP4949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38805831	(A/C)
4950	CakSNP4950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38809132	(G/A)
4951	CakSNP4951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38810765	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4952	CakSNP4952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38818340	(A/G)
4953	CakSNP4953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38821990	(A/G)
4954	CakSNP4954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38831533	(T/C)
4955	CakSNP4955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38848358	(C/T)
4956	CakSNP4956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38848412	(C/G)
4957	CakSNP4957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38878577	(C/G)
4958	CakSNP4958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38878664	(G/C)
4959	CakSNP4959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38878649	(T/C)
4960	CakSNP4960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38878736	(G/C)
4961	CakSNP4961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38887640	(C/T)
4962	CakSNP4962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38891567	(T/C)
4963	CakSNP4963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38896013	(A/G)
4964	CakSNP4964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38913449	(T/C)
4965	CakSNP4965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38914528	(A/G)
4966	CakSNP4966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38923321	(C/T)
4967	CakSNP4967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38951428	(G/A)
4968	CakSNP4968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38951698	(A/C)
4969	CakSNP4969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38965610	(T/A)
4970	CakSNP4970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38982481	(A/G)
4971	CakSNP4971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38987810	(G/A)
4972	CakSNP4972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	38987916	(A/C)
4973	CakSNP4973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39003771	(G/A)
4974	CakSNP4974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39013988	(T/G)
4975	CakSNP4975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39029251	(A/C)
4976	CakSNP4976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39034246	(C/T)
4977	CakSNP4977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39034433	(A/G)
4978	CakSNP4978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39036130	(T/C)
4979	CakSNP4979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39052024	(T/C)
4980	CakSNP4980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39055529	(C/T)
4981	CakSNP4981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39055455	(T/C)
4982	CakSNP4982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39081040	(A/G)
4983	CakSNP4983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39084916	(T/A)
4984	CakSNP4984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39084979	(A/C)
4985	CakSNP4985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39093242	(G/A)
4986	CakSNP4986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39093243	(C/A)
4987	CakSNP4987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39093245	(T/A)
4988	CakSNP4988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39093215	(G/A)
4989	CakSNP4989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39115274	(A/C)
4990	CakSNP4990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39115986	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
4991	CakSNP4991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39115979	(A/G)
4992	CakSNP4992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39115972	(T/A)
4993	CakSNP4993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39115970	(T/G)
4994	CakSNP4994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39118510	(C/T)
4995	CakSNP4995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39200823	(C/A)
4996	CakSNP4996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39200847	(A/C)
4997	CakSNP4997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39202479	(G/C)
4998	CakSNP4998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39202481	(A/T)
4999	CakSNP4999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39207112	(A/C)
5000	CakSNP5000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39215327	(C/T)
5001	CakSNP5001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39215476	(G/A)
5002	CakSNP5002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39215558	(C/T)
5003	CakSNP5003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39233774	(A/T)
5004	CakSNP5004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39233852	(A/C)
5005	CakSNP5005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39233885	(A/T)
5006	CakSNP5006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39234161	(A/G)
5007	CakSNP5007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39254527	(T/G)
5008	CakSNP5008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39254532	(C/G)
5009	CakSNP5009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255721	(A/C)
5010	CakSNP5010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255715	(G/A)
5011	CakSNP5011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255713	(C/A)
5012	CakSNP5012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255709	(A/T)
5013	CakSNP5013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255729	(C/T)
5014	CakSNP5014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39255792	(C/T)
5015	CakSNP5015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39257226	(A/G)
5016	CakSNP5016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39258671	(A/C)
5017	CakSNP5017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39265412	(A/C)
5018	CakSNP5018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39289840	(T/A)
5019	CakSNP5019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39303386	(C/G)
5020	CakSNP5020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39303416	(G/T)
5021	CakSNP5021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39303407	(C/A)
5022	CakSNP5022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39323779	(A/G)
5023	CakSNP5023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39326387	(C/T)
5024	CakSNP5024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39405252	(C/A)
5025	CakSNP5025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39405873	(C/G)
5026	CakSNP5026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39472291	(G/C)
5027	CakSNP5027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39481371	(A/C)
5028	CakSNP5028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39485182	(G/A)
5029	CakSNP5029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39504242	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5030	CakSNP5030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39515531	(A/G)
5031	CakSNP5031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39515710	(T/A)
5032	CakSNP5032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39519640	(A/G)
5033	CakSNP5033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39556535	(T/A)
5034	CakSNP5034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39587620	(T/G)
5035	CakSNP5035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39592340	(C/T)
5036	CakSNP5036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39612466	(T/C)
5037	CakSNP5037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39612458	(C/A)
5038	CakSNP5038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39612447	(C/A)
5039	CakSNP5039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39612568	(A/T)
5040	CakSNP5040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39628916	(G/A)
5041	CakSNP5041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39698060	(T/C)
5042	CakSNP5042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39701532	(G/A)
5043	CakSNP5043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39722314	(C/T)
5044	CakSNP5044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39731437	(A/C)
5045	CakSNP5045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39787513	(A/C)
5046	CakSNP5046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39787615	(C/T)
5047	CakSNP5047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39787716	(A/C)
5048	CakSNP5048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39791717	(C/T)
5049	CakSNP5049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39793539	(G/A)
5050	CakSNP5050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39794672	(C/T)
5051	CakSNP5051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39794639	(C/G)
5052	CakSNP5052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39801213	(A/G)
5053	CakSNP5053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39801242	(C/T)
5054	CakSNP5054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39817122	(G/A)
5055	CakSNP5055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39839763	(T/G)
5056	CakSNP5056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39891075	(G/A)
5057	CakSNP5057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39890991	(A/T)
5058	CakSNP5058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39896395	(A/G)
5059	CakSNP5059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39908983	(C/G)
5060	CakSNP5060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39909824	(C/G)
5061	CakSNP5061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39909839	(T/C)
5062	CakSNP5062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39914344	(T/G)
5063	CakSNP5063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39941101	(T/G)
5064	CakSNP5064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr03</i>	39941090	(G/A)
5065	CakSNP5065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20297	(A/G)
5066	CakSNP5066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20495	(G/C)
5067	CakSNP5067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	167229	(T/G)
5068	CakSNP5068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	228864	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5069	CakSNP5069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	305558	(C/T)
5070	CakSNP5070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	335941	(C/T)
5071	CakSNP5071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	336055	(G/A)
5072	CakSNP5072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	336050	(T/C)
5073	CakSNP5073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	336029	(G/A)
5074	CakSNP5074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	338641	(A/G)
5075	CakSNP5075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	338721	(C/T)
5076	CakSNP5076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	338707	(G/T)
5077	CakSNP5077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	349309	(C/T)
5078	CakSNP5078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353069	(C/A)
5079	CakSNP5079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353079	(C/T)
5080	CakSNP5080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353119	(G/A)
5081	CakSNP5081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353120	(C/G)
5082	CakSNP5082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353124	(A/G)
5083	CakSNP5083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	353126	(T/G)
5084	CakSNP5084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	369258	(C/T)
5085	CakSNP5085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	394661	(C/G)
5086	CakSNP5086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	411208	(A/C)
5087	CakSNP5087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	412017	(C/A)
5088	CakSNP5088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	455361	(A/G)
5089	CakSNP5089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	459360	(T/C)
5090	CakSNP5090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	480138	(C/A)
5091	CakSNP5091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	481556	(A/G)
5092	CakSNP5092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	481687	(T/G)
5093	CakSNP5093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	504928	(C/A)
5094	CakSNP5094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	586273	(A/G)
5095	CakSNP5095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	586703	(T/C)
5096	CakSNP5096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	589140	(T/C)
5097	CakSNP5097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	589191	(A/G)
5098	CakSNP5098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	589204	(G/A)
5099	CakSNP5099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	589220	(A/C)
5100	CakSNP5100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	589224	(T/C)
5101	CakSNP5101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	595982	(C/G)
5102	CakSNP5102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	613150	(G/A)
5103	CakSNP5103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	613166	(A/G)
5104	CakSNP5104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	645103	(T/A)
5105	CakSNP5105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	645075	(T/A)
5106	CakSNP5106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	646567	(C/T)
5107	CakSNP5107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	646576	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5108	CakSNP5108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	651040	(C/T)
5109	CakSNP5109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	660034	(A/C)
5110	CakSNP5110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	660029	(T/G)
5111	CakSNP5111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	703978	(A/T)
5112	CakSNP5112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	703975	(G/T)
5113	CakSNP5113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	704009	(G/A)
5114	CakSNP5114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	705336	(T/G)
5115	CakSNP5115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	783302	(C/T)
5116	CakSNP5116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	783382	(G/T)
5117	CakSNP5117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	827630	(T/C)
5118	CakSNP5118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	848192	(G/A)
5119	CakSNP5119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	913689	(A/G)
5120	CakSNP5120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	951389	(T/G)
5121	CakSNP5121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	951390	(G/A)
5122	CakSNP5122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1035328	(G/C)
5123	CakSNP5123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1047639	(G/T)
5124	CakSNP5124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1065107	(C/T)
5125	CakSNP5125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1065245	(A/G)
5126	CakSNP5126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1189997	(C/T)
5127	CakSNP5127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1190007	(C/G)
5128	CakSNP5128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1190038	(G/T)
5129	CakSNP5129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1190208	(T/C)
5130	CakSNP5130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1190184	(A/C)
5131	CakSNP5131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1190158	(T/G)
5132	CakSNP5132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1259917	(G/T)
5133	CakSNP5133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1259915	(T/G)
5134	CakSNP5134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1264361	(T/C)
5135	CakSNP5135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1266175	(A/G)
5136	CakSNP5136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1266174	(C/T)
5137	CakSNP5137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1283369	(A/G)
5138	CakSNP5138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1344151	(T/C)
5139	CakSNP5139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1396281	(G/C)
5140	CakSNP5140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1396425	(C/A)
5141	CakSNP5141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1474771	(T/C)
5142	CakSNP5142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1474898	(A/G)
5143	CakSNP5143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1474922	(G/T)
5144	CakSNP5144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1493927	(T/C)
5145	CakSNP5145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1513664	(T/A)
5146	CakSNP5146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1526270	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5147	CakSNP5147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1526731	(T/G)
5148	CakSNP5148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1613153	(G/A)
5149	CakSNP5149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1613193	(G/A)
5150	CakSNP5150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1613303	(G/A)
5151	CakSNP5151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1687346	(A/G)
5152	CakSNP5152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1691555	(T/G)
5153	CakSNP5153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1708370	(C/T)
5154	CakSNP5154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1711864	(A/C)
5155	CakSNP5155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1711865	(G/A)
5156	CakSNP5156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1720544	(A/C)
5157	CakSNP5157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1720658	(A/G)
5158	CakSNP5158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1720642	(A/G)
5159	CakSNP5159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1720619	(A/C)
5160	CakSNP5160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1742468	(C/T)
5161	CakSNP5161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1747181	(A/T)
5162	CakSNP5162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1754555	(C/T)
5163	CakSNP5163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1755066	(G/C)
5164	CakSNP5164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1773886	(C/G)
5165	CakSNP5165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1773939	(C/T)
5166	CakSNP5166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1773951	(C/G)
5167	CakSNP5167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1785705	(G/C)
5168	CakSNP5168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1785680	(C/T)
5169	CakSNP5169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1807484	(G/A)
5170	CakSNP5170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1817779	(G/C)
5171	CakSNP5171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1833570	(T/C)
5172	CakSNP5172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1833678	(A/G)
5173	CakSNP5173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1833725	(C/T)
5174	CakSNP5174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1845301	(G/A)
5175	CakSNP5175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1867921	(G/A)
5176	CakSNP5176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1869577	(C/T)
5177	CakSNP5177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1870333	(A/G)
5178	CakSNP5178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1870317	(T/C)
5179	CakSNP5179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1870666	(G/C)
5180	CakSNP5180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1870806	(C/A)
5181	CakSNP5181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1870802	(C/T)
5182	CakSNP5182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1873733	(T/C)
5183	CakSNP5183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1890220	(G/C)
5184	CakSNP5184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1941001	(T/G)
5185	CakSNP5185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1941089	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5186	CakSNP5186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1970471	(A/C)
5187	CakSNP5187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	1973375	(A/C)
5188	CakSNP5188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2009707	(A/G)
5189	CakSNP5189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2025214	(A/C)
5190	CakSNP5190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2027063	(G/A)
5191	CakSNP5191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2027101	(T/A)
5192	CakSNP5192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2034429	(C/A)
5193	CakSNP5193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2034398	(C/T)
5194	CakSNP5194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2034396	(A/G)
5195	CakSNP5195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2034739	(A/C)
5196	CakSNP5196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2035797	(G/A)
5197	CakSNP5197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2035801	(G/A)
5198	CakSNP5198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2035841	(C/T)
5199	CakSNP5199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2035894	(C/A)
5200	CakSNP5200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2051684	(T/C)
5201	CakSNP5201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2051642	(G/C)
5202	CakSNP5202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2060244	(G/A)
5203	CakSNP5203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2060262	(C/T)
5204	CakSNP5204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2113564	(A/G)
5205	CakSNP5205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2125774	(G/A)
5206	CakSNP5206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2143155	(A/G)
5207	CakSNP5207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2213710	(G/A)
5208	CakSNP5208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2238480	(A/T)
5209	CakSNP5209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2270360	(T/C)
5210	CakSNP5210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2277421	(A/T)
5211	CakSNP5211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2311977	(A/G)
5212	CakSNP5212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2313969	(G/A)
5213	CakSNP5213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2361088	(T/A)
5214	CakSNP5214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2380206	(A/G)
5215	CakSNP5215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2393033	(T/G)
5216	CakSNP5216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2396883	(A/G)
5217	CakSNP5217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2411925	(G/T)
5218	CakSNP5218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2422087	(A/G)
5219	CakSNP5219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2422092	(G/A)
5220	CakSNP5220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2422949	(C/T)
5221	CakSNP5221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2463064	(A/G)
5222	CakSNP5222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2463038	(T/C)
5223	CakSNP5223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2492726	(A/G)
5224	CakSNP5224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2493195	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5225	CakSNP5225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2494101	(C/A)
5226	CakSNP5226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2494140	(C/A)
5227	CakSNP5227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2499257	(A/C)
5228	CakSNP5228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2562541	(G/C)
5229	CakSNP5229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2564500	(T/A)
5230	CakSNP5230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2609945	(C/T)
5231	CakSNP5231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2676174	(C/T)
5232	CakSNP5232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2740041	(T/G)
5233	CakSNP5233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2740068	(A/T)
5234	CakSNP5234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2740065	(A/G)
5235	CakSNP5235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2752538	(G/A)
5236	CakSNP5236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2752568	(C/T)
5237	CakSNP5237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2886775	(T/G)
5238	CakSNP5238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2886863	(C/T)
5239	CakSNP5239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2978875	(T/C)
5240	CakSNP5240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2978876	(T/G)
5241	CakSNP5241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2978882	(G/T)
5242	CakSNP5242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2978932	(A/C)
5243	CakSNP5243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	2978931	(A/T)
5244	CakSNP5244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3002755	(A/G)
5245	CakSNP5245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3002810	(T/C)
5246	CakSNP5246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3037899	(A/C)
5247	CakSNP5247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3037986	(T/A)
5248	CakSNP5248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3037929	(T/G)
5249	CakSNP5249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3038022	(C/T)
5250	CakSNP5250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3046920	(A/G)
5251	CakSNP5251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3144454	(T/C)
5252	CakSNP5252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158321	(A/G)
5253	CakSNP5253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158323	(T/G)
5254	CakSNP5254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158328	(G/T)
5255	CakSNP5255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158331	(A/T)
5256	CakSNP5256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158426	(G/A)
5257	CakSNP5257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158504	(A/T)
5258	CakSNP5258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158506	(T/C)
5259	CakSNP5259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3158549	(A/G)
5260	CakSNP5260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3164115	(G/A)
5261	CakSNP5261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3164083	(G/A)
5262	CakSNP5262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3166657	(C/T)
5263	CakSNP5263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3166663	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5264	CakSNP5264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3166674	(G/T)
5265	CakSNP5265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3171162	(G/A)
5266	CakSNP5266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3171384	(T/G)
5267	CakSNP5267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3171385	(A/G)
5268	CakSNP5268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3171428	(T/C)
5269	CakSNP5269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3171551	(C/T)
5270	CakSNP5270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3264351	(T/C)
5271	CakSNP5271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3280147	(G/A)
5272	CakSNP5272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3280217	(A/G)
5273	CakSNP5273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3281050	(T/G)
5274	CakSNP5274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3290298	(T/G)
5275	CakSNP5275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3353106	(T/C)
5276	CakSNP5276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3356252	(C/G)
5277	CakSNP5277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3356242	(C/G)
5278	CakSNP5278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3400828	(G/C)
5279	CakSNP5279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3427396	(A/G)
5280	CakSNP5280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3429035	(G/A)
5281	CakSNP5281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3429059	(C/A)
5282	CakSNP5282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3455029	(T/C)
5283	CakSNP5283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3455047	(G/A)
5284	CakSNP5284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3456450	(G/T)
5285	CakSNP5285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3456501	(C/T)
5286	CakSNP5286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3483687	(A/C)
5287	CakSNP5287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3627810	(G/T)
5288	CakSNP5288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3642051	(A/T)
5289	CakSNP5289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3642070	(T/C)
5290	CakSNP5290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3642116	(A/T)
5291	CakSNP5291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3689840	(T/C)
5292	CakSNP5292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3689871	(G/A)
5293	CakSNP5293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3739386	(C/A)
5294	CakSNP5294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3741522	(T/G)
5295	CakSNP5295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3741539	(T/G)
5296	CakSNP5296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3752141	(C/G)
5297	CakSNP5297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3762559	(T/C)
5298	CakSNP5298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3762561	(C/A)
5299	CakSNP5299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3762585	(G/T)
5300	CakSNP5300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3794764	(G/A)
5301	CakSNP5301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3794885	(C/A)
5302	CakSNP5302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3885444	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5303	CakSNP5303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888010	(G/C)
5304	CakSNP5304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888053	(C/A)
5305	CakSNP5305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888164	(T/A)
5306	CakSNP5306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888185	(A/G)
5307	CakSNP5307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888236	(A/G)
5308	CakSNP5308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888328	(C/T)
5309	CakSNP5309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888462	(T/C)
5310	CakSNP5310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888510	(G/A)
5311	CakSNP5311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888514	(G/A)
5312	CakSNP5312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3888529	(T/G)
5313	CakSNP5313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3890556	(A/G)
5314	CakSNP5314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3890709	(A/G)
5315	CakSNP5315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3990810	(C/G)
5316	CakSNP5316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	3990809	(G/A)
5317	CakSNP5317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4002917	(T/C)
5318	CakSNP5318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4006213	(A/C)
5319	CakSNP5319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4027829	(A/T)
5320	CakSNP5320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4027872	(A/C)
5321	CakSNP5321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4097989	(G/A)
5322	CakSNP5322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4097935	(T/C)
5323	CakSNP5323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4116386	(G/C)
5324	CakSNP5324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4148061	(T/C)
5325	CakSNP5325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4148250	(A/G)
5326	CakSNP5326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4154417	(A/C)
5327	CakSNP5327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4154507	(G/T)
5328	CakSNP5328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4229295	(T/A)
5329	CakSNP5329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4229345	(C/T)
5330	CakSNP5330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4229381	(T/C)
5331	CakSNP5331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4229371	(C/T)
5332	CakSNP5332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4255863	(T/G)
5333	CakSNP5333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4256023	(C/T)
5334	CakSNP5334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4258002	(A/G)
5335	CakSNP5335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4258149	(A/G)
5336	CakSNP5336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4305891	(A/C)
5337	CakSNP5337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4320615	(C/T)
5338	CakSNP5338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4320743	(A/G)
5339	CakSNP5339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4327268	(A/G)
5340	CakSNP5340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4334307	(T/G)
5341	CakSNP5341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4343586	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5342	CakSNP5342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4343540	(C/A)
5343	CakSNP5343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4410351	(T/C)
5344	CakSNP5344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4426659	(C/T)
5345	CakSNP5345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4426760	(T/C)
5346	CakSNP5346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4435621	(T/C)
5347	CakSNP5347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4451928	(T/C)
5348	CakSNP5348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4452018	(T/A)
5349	CakSNP5349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4452380	(C/G)
5350	CakSNP5350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4454305	(A/C)
5351	CakSNP5351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4454464	(A/G)
5352	CakSNP5352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4461562	(G/C)
5353	CakSNP5353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4468394	(C/T)
5354	CakSNP5354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4536310	(A/G)
5355	CakSNP5355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4536286	(G/C)
5356	CakSNP5356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4578836	(C/T)
5357	CakSNP5357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4579274	(C/T)
5358	CakSNP5358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4605340	(A/C)
5359	CakSNP5359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4622932	(T/G)
5360	CakSNP5360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4622913	(C/T)
5361	CakSNP5361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4628221	(T/G)
5362	CakSNP5362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4628232	(G/A)
5363	CakSNP5363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4628240	(C/T)
5364	CakSNP5364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4628243	(G/A)
5365	CakSNP5365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4628309	(C/T)
5366	CakSNP5366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4630407	(G/A)
5367	CakSNP5367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4630419	(A/C)
5368	CakSNP5368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4630514	(T/C)
5369	CakSNP5369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4633913	(T/G)
5370	CakSNP5370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4634542	(A/T)
5371	CakSNP5371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4660220	(A/G)
5372	CakSNP5372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4670913	(A/G)
5373	CakSNP5373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4670975	(C/A)
5374	CakSNP5374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675182	(T/G)
5375	CakSNP5375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675177	(T/A)
5376	CakSNP5376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675176	(T/G)
5377	CakSNP5377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675172	(T/A)
5378	CakSNP5378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675171	(T/A)
5379	CakSNP5379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4675166	(A/T)
5380	CakSNP5380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4679236	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5381	CakSNP5381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4707682	(A/G)
5382	CakSNP5382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4722348	(G/A)
5383	CakSNP5383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4757357	(T/C)
5384	CakSNP5384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4757416	(G/A)
5385	CakSNP5385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4757498	(C/G)
5386	CakSNP5386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4794122	(G/A)
5387	CakSNP5387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4794192	(G/C)
5388	CakSNP5388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4799122	(C/T)
5389	CakSNP5389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4799116	(C/T)
5390	CakSNP5390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4803168	(T/A)
5391	CakSNP5391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4803213	(C/T)
5392	CakSNP5392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4874780	(A/T)
5393	CakSNP5393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4874782	(C/A)
5394	CakSNP5394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4874836	(C/T)
5395	CakSNP5395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4882813	(C/G)
5396	CakSNP5396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4897934	(C/G)
5397	CakSNP5397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4907987	(G/A)
5398	CakSNP5398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4911083	(T/C)
5399	CakSNP5399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4911130	(T/C)
5400	CakSNP5400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4911209	(A/G)
5401	CakSNP5401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4911217	(A/C)
5402	CakSNP5402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4920706	(T/C)
5403	CakSNP5403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4920712	(A/T)
5404	CakSNP5404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4920719	(A/G)
5405	CakSNP5405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4922290	(A/C)
5406	CakSNP5406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4928764	(T/C)
5407	CakSNP5407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4928890	(A/G)
5408	CakSNP5408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4929387	(T/C)
5409	CakSNP5409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4953629	(C/A)
5410	CakSNP5410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4967336	(T/C)
5411	CakSNP5411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4967342	(G/A)
5412	CakSNP5412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	4967347	(A/G)
5413	CakSNP5413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5018591	(G/A)
5414	CakSNP5414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5038300	(G/C)
5415	CakSNP5415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5051617	(A/G)
5416	CakSNP5416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5051574	(T/G)
5417	CakSNP5417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5051573	(A/C)
5418	CakSNP5418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5086705	(T/C)
5419	CakSNP5419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5120207	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5420	CakSNP5420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5186401	(A/G)
5421	CakSNP5421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5187402	(G/C)
5422	CakSNP5422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5187344	(C/G)
5423	CakSNP5423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5188084	(G/A)
5424	CakSNP5424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5188040	(A/G)
5425	CakSNP5425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5197824	(T/C)
5426	CakSNP5426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5199907	(C/T)
5427	CakSNP5427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5222669	(A/C)
5428	CakSNP5428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5222805	(G/C)
5429	CakSNP5429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5222851	(C/T)
5430	CakSNP5430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5223100	(G/A)
5431	CakSNP5431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5223206	(A/T)
5432	CakSNP5432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5228950	(G/T)
5433	CakSNP5433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5232364	(T/C)
5434	CakSNP5434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5263199	(A/G)
5435	CakSNP5435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5268995	(A/C)
5436	CakSNP5436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5282131	(T/C)
5437	CakSNP5437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5310873	(A/G)
5438	CakSNP5438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5345520	(T/G)
5439	CakSNP5439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5377067	(A/C)
5440	CakSNP5440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5377400	(C/T)
5441	CakSNP5441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5390236	(C/A)
5442	CakSNP5442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5390317	(G/A)
5443	CakSNP5443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5453008	(A/C)
5444	CakSNP5444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5473174	(C/T)
5445	CakSNP5445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5484259	(G/T)
5446	CakSNP5446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5484257	(G/C)
5447	CakSNP5447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5484238	(G/A)
5448	CakSNP5448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5484236	(C/T)
5449	CakSNP5449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5484220	(A/G)
5450	CakSNP5450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5485052	(G/T)
5451	CakSNP5451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5485050	(G/C)
5452	CakSNP5452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5485031	(G/A)
5453	CakSNP5453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5485029	(C/T)
5454	CakSNP5454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5485013	(A/G)
5455	CakSNP5455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5528421	(T/G)
5456	CakSNP5456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5530612	(A/G)
5457	CakSNP5457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5535661	(A/G)
5458	CakSNP5458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5575846	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5459	CakSNP5459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5595079	(T/C)
5460	CakSNP5460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5595077	(T/A)
5461	CakSNP5461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5623571	(A/G)
5462	CakSNP5462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5627096	(C/T)
5463	CakSNP5463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5701873	(A/C)
5464	CakSNP5464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5701900	(G/T)
5465	CakSNP5465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5701902	(C/T)
5466	CakSNP5466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5701907	(G/T)
5467	CakSNP5467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5779698	(A/G)
5468	CakSNP5468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5779765	(A/T)
5469	CakSNP5469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5787727	(G/A)
5470	CakSNP5470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5787722	(G/A)
5471	CakSNP5471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5841444	(C/G)
5472	CakSNP5472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5841462	(A/C)
5473	CakSNP5473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5853789	(C/T)
5474	CakSNP5474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5853798	(T/G)
5475	CakSNP5475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5900194	(C/A)
5476	CakSNP5476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5900290	(T/C)
5477	CakSNP5477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5905252	(C/T)
5478	CakSNP5478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5905276	(C/T)
5479	CakSNP5479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5905303	(A/C)
5480	CakSNP5480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5905385	(G/A)
5481	CakSNP5481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5907409	(T/G)
5482	CakSNP5482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5907421	(T/G)
5483	CakSNP5483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5907437	(C/A)
5484	CakSNP5484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5907465	(C/A)
5485	CakSNP5485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5940176	(C/T)
5486	CakSNP5486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	5999964	(T/C)
5487	CakSNP5487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6000010	(T/A)
5488	CakSNP5488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6000013	(A/C)
5489	CakSNP5489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6000037	(T/G)
5490	CakSNP5490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6006849	(T/G)
5491	CakSNP5491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6030948	(T/G)
5492	CakSNP5492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6030966	(A/G)
5493	CakSNP5493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6041134	(A/C)
5494	CakSNP5494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6041130	(C/A)
5495	CakSNP5495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6041126	(A/G)
5496	CakSNP5496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6041120	(G/T)
5497	CakSNP5497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6041117	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5498	CakSNP5498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6076530	(T/C)
5499	CakSNP5499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6076594	(G/C)
5500	CakSNP5500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6076614	(A/G)
5501	CakSNP5501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6077103	(G/A)
5502	CakSNP5502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6077113	(G/T)
5503	CakSNP5503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6077156	(G/T)
5504	CakSNP5504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6077168	(T/C)
5505	CakSNP5505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6157625	(T/C)
5506	CakSNP5506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6201137	(T/C)
5507	CakSNP5507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6238354	(G/A)
5508	CakSNP5508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6238367	(T/A)
5509	CakSNP5509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6238376	(A/G)
5510	CakSNP5510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6238414	(T/A)
5511	CakSNP5511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6277398	(C/T)
5512	CakSNP5512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6281228	(A/C)
5513	CakSNP5513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6296089	(G/T)
5514	CakSNP5514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6387938	(T/G)
5515	CakSNP5515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6403910	(A/C)
5516	CakSNP5516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6408543	(T/G)
5517	CakSNP5517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6415058	(A/T)
5518	CakSNP5518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6462228	(C/T)
5519	CakSNP5519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6507540	(G/A)
5520	CakSNP5520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6509701	(T/A)
5521	CakSNP5521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6509761	(C/A)
5522	CakSNP5522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6511977	(C/T)
5523	CakSNP5523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6512060	(A/T)
5524	CakSNP5524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6513321	(A/T)
5525	CakSNP5525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6513493	(C/T)
5526	CakSNP5526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6513576	(A/T)
5527	CakSNP5527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6544385	(G/A)
5528	CakSNP5528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6544342	(A/C)
5529	CakSNP5529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6544337	(A/C)
5530	CakSNP5530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6552776	(A/G)
5531	CakSNP5531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6562373	(T/A)
5532	CakSNP5532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6562391	(A/C)
5533	CakSNP5533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6562402	(G/C)
5534	CakSNP5534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6611820	(G/A)
5535	CakSNP5535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6616016	(C/T)
5536	CakSNP5536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6616071	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5537	CakSNP5537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6688218	(G/A)
5538	CakSNP5538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6715326	(C/T)
5539	CakSNP5539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6723103	(G/T)
5540	CakSNP5540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6749334	(A/G)
5541	CakSNP5541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6749481	(C/T)
5542	CakSNP5542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6749550	(G/A)
5543	CakSNP5543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6749522	(T/C)
5544	CakSNP5544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6751549	(A/T)
5545	CakSNP5545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6761778	(C/A)
5546	CakSNP5546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6765922	(T/G)
5547	CakSNP5547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6765884	(T/C)
5548	CakSNP5548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6792858	(T/G)
5549	CakSNP5549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6801632	(C/A)
5550	CakSNP5550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841854	(G/A)
5551	CakSNP5551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841856	(G/A)
5552	CakSNP5552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841858	(G/A)
5553	CakSNP5553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841859	(A/C)
5554	CakSNP5554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841860	(G/A)
5555	CakSNP5555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6841861	(A/C)
5556	CakSNP5556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6843659	(T/C)
5557	CakSNP5557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6852908	(T/C)
5558	CakSNP5558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6889964	(T/G)
5559	CakSNP5559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6889974	(T/G)
5560	CakSNP5560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6890000	(A/G)
5561	CakSNP5561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6890005	(C/T)
5562	CakSNP5562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6890014	(G/T)
5563	CakSNP5563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6889994	(T/G)
5564	CakSNP5564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6895804	(G/A)
5565	CakSNP5565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6919896	(C/T)
5566	CakSNP5566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6920068	(G/A)
5567	CakSNP5567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6931668	(T/A)
5568	CakSNP5568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6960336	(G/A)
5569	CakSNP5569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6969771	(G/T)
5570	CakSNP5570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6969799	(T/C)
5571	CakSNP5571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6970808	(A/G)
5572	CakSNP5572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6970800	(A/G)
5573	CakSNP5573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6970792	(T/A)
5574	CakSNP5574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6970781	(G/A)
5575	CakSNP5575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	6970856	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5576	CakSNP5576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7013498	(A/G)
5577	CakSNP5577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7040229	(A/T)
5578	CakSNP5578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7142498	(G/A)
5579	CakSNP5579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7143207	(G/T)
5580	CakSNP5580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7143214	(T/C)
5581	CakSNP5581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7143238	(C/T)
5582	CakSNP5582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7155826	(G/A)
5583	CakSNP5583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7185974	(G/A)
5584	CakSNP5584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7231299	(C/T)
5585	CakSNP5585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7239917	(T/G)
5586	CakSNP5586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7244301	(G/A)
5587	CakSNP5587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7335587	(C/T)
5588	CakSNP5588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7349958	(T/C)
5589	CakSNP5589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7349948	(T/C)
5590	CakSNP5590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7349900	(G/A)
5591	CakSNP5591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7349885	(G/A)
5592	CakSNP5592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7350192	(G/T)
5593	CakSNP5593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7371667	(G/A)
5594	CakSNP5594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7371708	(T/C)
5595	CakSNP5595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7416949	(C/T)
5596	CakSNP5596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7496298	(A/G)
5597	CakSNP5597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7520182	(A/T)
5598	CakSNP5598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7520184	(A/C)
5599	CakSNP5599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7522047	(C/T)
5600	CakSNP5600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7522033	(A/G)
5601	CakSNP5601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7587317	(A/G)
5602	CakSNP5602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7587516	(T/C)
5603	CakSNP5603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7598474	(G/C)
5604	CakSNP5604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7699429	(C/T)
5605	CakSNP5605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7717770	(A/G)
5606	CakSNP5606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7717935	(T/G)
5607	CakSNP5607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7717978	(G/A)
5608	CakSNP5608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7718270	(T/C)
5609	CakSNP5609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7718277	(G/A)
5610	CakSNP5610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7739202	(C/T)
5611	CakSNP5611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7746230	(A/C)
5612	CakSNP5612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7746242	(C/G)
5613	CakSNP5613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7812468	(C/T)
5614	CakSNP5614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7812491	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5615	CakSNP5615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7812521	(A/G)
5616	CakSNP5616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7819865	(T/C)
5617	CakSNP5617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7821269	(G/A)
5618	CakSNP5618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7868480	(A/T)
5619	CakSNP5619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7883707	(T/A)
5620	CakSNP5620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7892596	(A/C)
5621	CakSNP5621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7975577	(C/G)
5622	CakSNP5622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7975586	(T/G)
5623	CakSNP5623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7988367	(A/G)
5624	CakSNP5624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7988396	(C/T)
5625	CakSNP5625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7988399	(G/A)
5626	CakSNP5626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7988422	(T/G)
5627	CakSNP5627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	7988444	(T/G)
5628	CakSNP5628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8025363	(T/C)
5629	CakSNP5629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8025348	(A/T)
5630	CakSNP5630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8025530	(A/G)
5631	CakSNP5631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8050770	(T/C)
5632	CakSNP5632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8051306	(T/C)
5633	CakSNP5633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8117401	(G/A)
5634	CakSNP5634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8178043	(G/A)
5635	CakSNP5635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8198702	(T/G)
5636	CakSNP5636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8203586	(C/T)
5637	CakSNP5637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8236449	(C/A)
5638	CakSNP5638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8237145	(C/T)
5639	CakSNP5639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8269099	(T/G)
5640	CakSNP5640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8269152	(C/T)
5641	CakSNP5641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8269347	(C/G)
5642	CakSNP5642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8302198	(A/G)
5643	CakSNP5643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8383890	(G/A)
5644	CakSNP5644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8396861	(T/A)
5645	CakSNP5645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8396837	(T/G)
5646	CakSNP5646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8401109	(A/G)
5647	CakSNP5647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8401126	(G/T)
5648	CakSNP5648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8401143	(A/T)
5649	CakSNP5649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8401248	(T/A)
5650	CakSNP5650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8401230	(A/G)
5651	CakSNP5651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8404108	(T/C)
5652	CakSNP5652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8404165	(C/A)
5653	CakSNP5653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8404244	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5654	CakSNP5654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8471029	(G/A)
5655	CakSNP5655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8473120	(G/A)
5656	CakSNP5656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8473127	(G/A)
5657	CakSNP5657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8473294	(G/A)
5658	CakSNP5658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8473288	(A/G)
5659	CakSNP5659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8473246	(T/C)
5660	CakSNP5660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8474442	(C/T)
5661	CakSNP5661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8474441	(G/A)
5662	CakSNP5662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8474401	(T/A)
5663	CakSNP5663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8475634	(A/C)
5664	CakSNP5664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8483482	(T/C)
5665	CakSNP5665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8483494	(T/C)
5666	CakSNP5666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8484976	(G/A)
5667	CakSNP5667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8484978	(A/G)
5668	CakSNP5668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8496641	(C/A)
5669	CakSNP5669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8510011	(A/C)
5670	CakSNP5670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8512095	(G/A)
5671	CakSNP5671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8512280	(C/T)
5672	CakSNP5672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8518979	(G/A)
5673	CakSNP5673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8534120	(C/T)
5674	CakSNP5674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567380	(A/T)
5675	CakSNP5675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567431	(C/T)
5676	CakSNP5676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567490	(C/A)
5677	CakSNP5677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567478	(A/C)
5678	CakSNP5678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567477	(T/C)
5679	CakSNP5679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8567465	(C/T)
5680	CakSNP5680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8570458	(T/G)
5681	CakSNP5681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8570501	(G/C)
5682	CakSNP5682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8595427	(C/T)
5683	CakSNP5683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8601364	(T/G)
5684	CakSNP5684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8659774	(G/A)
5685	CakSNP5685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8659935	(T/A)
5686	CakSNP5686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8659946	(C/T)
5687	CakSNP5687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8659985	(T/C)
5688	CakSNP5688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8660115	(A/T)
5689	CakSNP5689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8660136	(G/A)
5690	CakSNP5690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8660608	(G/T)
5691	CakSNP5691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8660599	(A/G)
5692	CakSNP5692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8668648	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5693	CakSNP5693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8668753	(A/G)
5694	CakSNP5694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8668945	(T/C)
5695	CakSNP5695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8669014	(C/G)
5696	CakSNP5696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8669104	(T/C)
5697	CakSNP5697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8669515	(C/T)
5698	CakSNP5698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8669513	(G/A)
5699	CakSNP5699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8669505	(G/T)
5700	CakSNP5700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8681949	(G/A)
5701	CakSNP5701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8695562	(C/T)
5702	CakSNP5702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8751638	(A/C)
5703	CakSNP5703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8751629	(T/C)
5704	CakSNP5704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8751618	(A/C)
5705	CakSNP5705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8751591	(A/C)
5706	CakSNP5706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8772215	(A/C)
5707	CakSNP5707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8782879	(G/C)
5708	CakSNP5708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8791654	(A/G)
5709	CakSNP5709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8805504	(A/G)
5710	CakSNP5710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8805578	(A/C)
5711	CakSNP5711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8805667	(C/T)
5712	CakSNP5712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8805867	(A/C)
5713	CakSNP5713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8805839	(G/A)
5714	CakSNP5714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8809032	(C/T)
5715	CakSNP5715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8809064	(T/C)
5716	CakSNP5716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8809010	(A/G)
5717	CakSNP5717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8809456	(A/C)
5718	CakSNP5718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8844846	(A/G)
5719	CakSNP5719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8848654	(C/T)
5720	CakSNP5720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8848653	(T/C)
5721	CakSNP5721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8852334	(T/A)
5722	CakSNP5722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8852420	(T/C)
5723	CakSNP5723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8873494	(G/T)
5724	CakSNP5724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8873509	(G/C)
5725	CakSNP5725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8919264	(C/T)
5726	CakSNP5726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8919300	(C/T)
5727	CakSNP5727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8919395	(A/G)
5728	CakSNP5728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8952236	(A/G)
5729	CakSNP5729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8985949	(C/T)
5730	CakSNP5730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8985961	(C/T)
5731	CakSNP5731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986031	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5732	CakSNP5732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986026	(T/A)
5733	CakSNP5733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986024	(T/A)
5734	CakSNP5734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986018	(G/A)
5735	CakSNP5735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986008	(T/A)
5736	CakSNP5736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986002	(T/A)
5737	CakSNP5737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8985998	(T/A)
5738	CakSNP5738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8985994	(C/A)
5739	CakSNP5739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986207	(G/C)
5740	CakSNP5740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	8986217	(T/A)
5741	CakSNP5741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075398	(G/A)
5742	CakSNP5742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075395	(A/G)
5743	CakSNP5743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075459	(C/T)
5744	CakSNP5744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075520	(C/T)
5745	CakSNP5745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075565	(A/G)
5746	CakSNP5746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075543	(T/C)
5747	CakSNP5747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075671	(A/G)
5748	CakSNP5748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075677	(T/C)
5749	CakSNP5749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075682	(G/A)
5750	CakSNP5750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075737	(G/A)
5751	CakSNP5751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9075744	(T/G)
5752	CakSNP5752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9187887	(G/C)
5753	CakSNP5753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9187973	(T/G)
5754	CakSNP5754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9189976	(T/A)
5755	CakSNP5755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9211570	(A/G)
5756	CakSNP5756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9257131	(G/A)
5757	CakSNP5757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9331949	(C/T)
5758	CakSNP5758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9392373	(A/T)
5759	CakSNP5759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9392455	(A/G)
5760	CakSNP5760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9392427	(G/A)
5761	CakSNP5761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9427890	(T/G)
5762	CakSNP5762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9427892	(G/T)
5763	CakSNP5763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9427894	(A/C)
5764	CakSNP5764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9427964	(C/A)
5765	CakSNP5765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9451895	(T/A)
5766	CakSNP5766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9451850	(T/G)
5767	CakSNP5767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9491741	(A/T)
5768	CakSNP5768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9533658	(A/G)
5769	CakSNP5769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9533688	(T/G)
5770	CakSNP5770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	9579383	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5771	CakSNP5771	Kabuli	Ca_Kabuli_Ch04	9579393	(G/A)
5772	CakSNP5772	Kabuli	Ca_Kabuli_Ch04	9579401	(G/T)
5773	CakSNP5773	Kabuli	Ca_Kabuli_Ch04	9579519	(A/T)
5774	CakSNP5774	Kabuli	Ca_Kabuli_Ch04	9579517	(T/C)
5775	CakSNP5775	Kabuli	Ca_Kabuli_Ch04	9580341	(T/A)
5776	CakSNP5776	Kabuli	Ca_Kabuli_Ch04	9580339	(T/G)
5777	CakSNP5777	Kabuli	Ca_Kabuli_Ch04	9614897	(G/A)
5778	CakSNP5778	Kabuli	Ca_Kabuli_Ch04	9614905	(C/A)
5779	CakSNP5779	Kabuli	Ca_Kabuli_Ch04	9661685	(G/A)
5780	CakSNP5780	Kabuli	Ca_Kabuli_Ch04	9670905	(C/T)
5781	CakSNP5781	Kabuli	Ca_Kabuli_Ch04	9670996	(G/T)
5782	CakSNP5782	Kabuli	Ca_Kabuli_Ch04	9671007	(G/T)
5783	CakSNP5783	Kabuli	Ca_Kabuli_Ch04	9671089	(T/G)
5784	CakSNP5784	Kabuli	Ca_Kabuli_Ch04	9706453	(T/G)
5785	CakSNP5785	Kabuli	Ca_Kabuli_Ch04	9706480	(T/A)
5786	CakSNP5786	Kabuli	Ca_Kabuli_Ch04	9706481	(A/C)
5787	CakSNP5787	Kabuli	Ca_Kabuli_Ch04	9740099	(A/G)
5788	CakSNP5788	Kabuli	Ca_Kabuli_Ch04	9800865	(C/T)
5789	CakSNP5789	Kabuli	Ca_Kabuli_Ch04	9802603	(T/C)
5790	CakSNP5790	Kabuli	Ca_Kabuli_Ch04	9836559	(G/T)
5791	CakSNP5791	Kabuli	Ca_Kabuli_Ch04	9840763	(C/A)
5792	CakSNP5792	Kabuli	Ca_Kabuli_Ch04	9840906	(A/C)
5793	CakSNP5793	Kabuli	Ca_Kabuli_Ch04	9846321	(T/A)
5794	CakSNP5794	Kabuli	Ca_Kabuli_Ch04	9947077	(A/G)
5795	CakSNP5795	Kabuli	Ca_Kabuli_Ch04	9973728	(C/G)
5796	CakSNP5796	Kabuli	Ca_Kabuli_Ch04	9976039	(C/T)
5797	CakSNP5797	Kabuli	Ca_Kabuli_Ch04	9999907	(A/T)
5798	CakSNP5798	Kabuli	Ca_Kabuli_Ch04	10007069	(A/G)
5799	CakSNP5799	Kabuli	Ca_Kabuli_Ch04	10007151	(C/T)
5800	CakSNP5800	Kabuli	Ca_Kabuli_Ch04	10007193	(T/A)
5801	CakSNP5801	Kabuli	Ca_Kabuli_Ch04	10007332	(T/C)
5802	CakSNP5802	Kabuli	Ca_Kabuli_Ch04	10007286	(C/T)
5803	CakSNP5803	Kabuli	Ca_Kabuli_Ch04	10007372	(C/A)
5804	CakSNP5804	Kabuli	Ca_Kabuli_Ch04	10009839	(G/A)
5805	CakSNP5805	Kabuli	Ca_Kabuli_Ch04	10013120	(G/A)
5806	CakSNP5806	Kabuli	Ca_Kabuli_Ch04	10013148	(G/T)
5807	CakSNP5807	Kabuli	Ca_Kabuli_Ch04	10017467	(A/C)
5808	CakSNP5808	Kabuli	Ca_Kabuli_Ch04	10024226	(G/A)
5809	CakSNP5809	Kabuli	Ca_Kabuli_Ch04	10030134	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5810	CakSNP5810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10116516	(T/G)
5811	CakSNP5811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10151711	(A/C)
5812	CakSNP5812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10151943	(C/T)
5813	CakSNP5813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10184428	(G/T)
5814	CakSNP5814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10184427	(C/A)
5815	CakSNP5815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10185602	(T/G)
5816	CakSNP5816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10185625	(A/G)
5817	CakSNP5817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10205246	(C/T)
5818	CakSNP5818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10290706	(G/T)
5819	CakSNP5819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10293203	(T/C)
5820	CakSNP5820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10293241	(C/G)
5821	CakSNP5821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10294380	(A/G)
5822	CakSNP5822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10305276	(G/A)
5823	CakSNP5823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10305235	(A/G)
5824	CakSNP5824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10305285	(C/A)
5825	CakSNP5825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10411809	(G/A)
5826	CakSNP5826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10422142	(A/T)
5827	CakSNP5827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10422469	(C/A)
5828	CakSNP5828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430622	(A/C)
5829	CakSNP5829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430617	(A/C)
5830	CakSNP5830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430613	(C/A)
5831	CakSNP5831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430603	(G/A)
5832	CakSNP5832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430595	(A/C)
5833	CakSNP5833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430588	(T/C)
5834	CakSNP5834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10430574	(A/T)
5835	CakSNP5835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10464927	(T/G)
5836	CakSNP5836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10465328	(T/C)
5837	CakSNP5837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10547575	(G/A)
5838	CakSNP5838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10547561	(T/C)
5839	CakSNP5839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10642002	(A/G)
5840	CakSNP5840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10642043	(T/G)
5841	CakSNP5841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10642044	(A/T)
5842	CakSNP5842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10643339	(T/A)
5843	CakSNP5843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10643331	(T/A)
5844	CakSNP5844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10644245	(G/A)
5845	CakSNP5845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10670664	(C/A)
5846	CakSNP5846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10699624	(A/T)
5847	CakSNP5847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10780990	(A/G)
5848	CakSNP5848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10807993	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5849	CakSNP5849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10827485	(G/A)
5850	CakSNP5850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10827515	(C/G)
5851	CakSNP5851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10901282	(T/C)
5852	CakSNP5852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10917723	(T/C)
5853	CakSNP5853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10917717	(C/G)
5854	CakSNP5854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10925490	(G/A)
5855	CakSNP5855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10928923	(T/C)
5856	CakSNP5856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10950823	(C/T)
5857	CakSNP5857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10971039	(C/A)
5858	CakSNP5858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990000	(T/C)
5859	CakSNP5859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990008	(A/T)
5860	CakSNP5860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990049	(G/T)
5861	CakSNP5861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990058	(T/C)
5862	CakSNP5862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990265	(T/A)
5863	CakSNP5863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10990261	(A/G)
5864	CakSNP5864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10991842	(G/A)
5865	CakSNP5865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	10991910	(C/T)
5866	CakSNP5866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11040108	(C/T)
5867	CakSNP5867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11051335	(C/T)
5868	CakSNP5868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11059403	(T/G)
5869	CakSNP5869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11059404	(T/G)
5870	CakSNP5870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11059414	(T/G)
5871	CakSNP5871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11059572	(G/A)
5872	CakSNP5872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11059540	(T/C)
5873	CakSNP5873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11096124	(A/G)
5874	CakSNP5874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11096225	(A/G)
5875	CakSNP5875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11096290	(G/A)
5876	CakSNP5876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11113277	(A/C)
5877	CakSNP5877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11114238	(T/C)
5878	CakSNP5878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11142202	(A/G)
5879	CakSNP5879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11142227	(C/T)
5880	CakSNP5880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11196803	(T/G)
5881	CakSNP5881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11230403	(G/T)
5882	CakSNP5882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11230400	(T/A)
5883	CakSNP5883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11230397	(G/C)
5884	CakSNP5884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11231142	(A/G)
5885	CakSNP5885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11231137	(A/G)
5886	CakSNP5886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11231135	(C/T)
5887	CakSNP5887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11244334	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5888	CakSNP5888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11244395	(G/T)
5889	CakSNP5889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11246093	(G/A)
5890	CakSNP5890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11246173	(C/T)
5891	CakSNP5891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11246164	(G/A)
5892	CakSNP5892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11273328	(T/C)
5893	CakSNP5893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11273405	(A/T)
5894	CakSNP5894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11274281	(T/C)
5895	CakSNP5895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11275171	(T/C)
5896	CakSNP5896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11276413	(C/G)
5897	CakSNP5897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11276484	(T/C)
5898	CakSNP5898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11277138	(A/G)
5899	CakSNP5899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11277297	(G/A)
5900	CakSNP5900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11277574	(G/C)
5901	CakSNP5901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11334350	(A/G)
5902	CakSNP5902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11334343	(A/T)
5903	CakSNP5903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11343257	(T/C)
5904	CakSNP5904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11343230	(G/C)
5905	CakSNP5905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11379077	(T/C)
5906	CakSNP5906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11398699	(A/G)
5907	CakSNP5907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11398682	(G/A)
5908	CakSNP5908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11398889	(A/G)
5909	CakSNP5909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11414506	(C/T)
5910	CakSNP5910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11435651	(A/G)
5911	CakSNP5911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11441604	(T/A)
5912	CakSNP5912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11441615	(T/C)
5913	CakSNP5913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11441619	(G/A)
5914	CakSNP5914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11441655	(T/A)
5915	CakSNP5915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11441707	(A/C)
5916	CakSNP5916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11465057	(C/G)
5917	CakSNP5917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11465075	(T/C)
5918	CakSNP5918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11465113	(C/T)
5919	CakSNP5919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11490100	(C/T)
5920	CakSNP5920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11490154	(A/T)
5921	CakSNP5921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11490125	(G/T)
5922	CakSNP5922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11490496	(G/A)
5923	CakSNP5923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11517582	(C/T)
5924	CakSNP5924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11517517	(C/A)
5925	CakSNP5925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11572051	(C/T)
5926	CakSNP5926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11645738	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5927	CakSNP5927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11646347	(C/G)
5928	CakSNP5928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11646453	(G/A)
5929	CakSNP5929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11658323	(A/G)
5930	CakSNP5930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11658314	(A/G)
5931	CakSNP5931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11689611	(C/T)
5932	CakSNP5932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11689647	(T/C)
5933	CakSNP5933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11752862	(A/G)
5934	CakSNP5934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11752855	(A/G)
5935	CakSNP5935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11772023	(G/T)
5936	CakSNP5936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11838005	(C/T)
5937	CakSNP5937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11852291	(A/G)
5938	CakSNP5938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11926352	(G/C)
5939	CakSNP5939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11985628	(G/A)
5940	CakSNP5940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	11985604	(C/T)
5941	CakSNP5941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12004082	(A/T)
5942	CakSNP5942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12004209	(C/T)
5943	CakSNP5943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12004205	(A/C)
5944	CakSNP5944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12023137	(A/T)
5945	CakSNP5945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12023215	(G/A)
5946	CakSNP5946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12045899	(T/A)
5947	CakSNP5947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12045903	(C/A)
5948	CakSNP5948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12045906	(C/A)
5949	CakSNP5949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12045910	(G/A)
5950	CakSNP5950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12070990	(T/A)
5951	CakSNP5951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12070994	(C/A)
5952	CakSNP5952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12070997	(C/A)
5953	CakSNP5953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12071001	(G/A)
5954	CakSNP5954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12167328	(A/G)
5955	CakSNP5955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12167568	(G/A)
5956	CakSNP5956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12212917	(G/A)
5957	CakSNP5957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12213071	(C/A)
5958	CakSNP5958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12213046	(T/C)
5959	CakSNP5959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12234358	(C/A)
5960	CakSNP5960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12249494	(T/C)
5961	CakSNP5961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12251184	(G/A)
5962	CakSNP5962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12274290	(A/T)
5963	CakSNP5963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12316847	(T/C)
5964	CakSNP5964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12431895	(C/T)
5965	CakSNP5965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12431915	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
5966	CakSNP5966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12484911	(A/T)
5967	CakSNP5967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12506440	(A/G)
5968	CakSNP5968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12506450	(T/A)
5969	CakSNP5969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12514728	(G/A)
5970	CakSNP5970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12514726	(C/T)
5971	CakSNP5971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12514724	(T/C)
5972	CakSNP5972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12514706	(G/A)
5973	CakSNP5973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12525328	(A/G)
5974	CakSNP5974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12525358	(C/G)
5975	CakSNP5975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12525639	(T/A)
5976	CakSNP5976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12534847	(T/C)
5977	CakSNP5977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12558541	(T/C)
5978	CakSNP5978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12558680	(C/T)
5979	CakSNP5979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12568707	(G/A)
5980	CakSNP5980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12568845	(G/T)
5981	CakSNP5981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12568905	(G/A)
5982	CakSNP5982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12568944	(A/G)
5983	CakSNP5983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12568995	(G/A)
5984	CakSNP5984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12569133	(G/A)
5985	CakSNP5985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12574650	(G/A)
5986	CakSNP5986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12578259	(A/G)
5987	CakSNP5987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12578350	(A/G)
5988	CakSNP5988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12581371	(G/T)
5989	CakSNP5989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12692925	(C/T)
5990	CakSNP5990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12692958	(G/C)
5991	CakSNP5991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12693000	(T/C)
5992	CakSNP5992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12740330	(A/G)
5993	CakSNP5993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12740351	(T/G)
5994	CakSNP5994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12779146	(A/C)
5995	CakSNP5995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12780274	(C/T)
5996	CakSNP5996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12795036	(G/A)
5997	CakSNP5997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12795037	(G/A)
5998	CakSNP5998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12869023	(C/T)
5999	CakSNP5999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12869049	(C/T)
6000	CakSNP6000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12907910	(C/A)
6001	CakSNP6001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12908080	(C/T)
6002	CakSNP6002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12911860	(A/G)
6003	CakSNP6003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12911874	(T/C)
6004	CakSNP6004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12911888	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6005	CakSNP6005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12912015	(G/A)
6006	CakSNP6006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12955130	(G/A)
6007	CakSNP6007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12973657	(C/A)
6008	CakSNP6008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	12982420	(G/A)
6009	CakSNP6009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13018788	(C/G)
6010	CakSNP6010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13020891	(A/G)
6011	CakSNP6011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13050470	(T/C)
6012	CakSNP6012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13050516	(A/G)
6013	CakSNP6013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13050527	(C/T)
6014	CakSNP6014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13050585	(C/T)
6015	CakSNP6015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13062744	(T/A)
6016	CakSNP6016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13062761	(A/T)
6017	CakSNP6017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13062805	(C/G)
6018	CakSNP6018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13062972	(A/T)
6019	CakSNP6019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13063689	(T/A)
6020	CakSNP6020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13063699	(G/T)
6021	CakSNP6021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13069574	(T/C)
6022	CakSNP6022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13071169	(T/A)
6023	CakSNP6023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13071199	(A/T)
6024	CakSNP6024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13071230	(T/G)
6025	CakSNP6025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13072114	(T/A)
6026	CakSNP6026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13072118	(T/G)
6027	CakSNP6027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13072208	(C/A)
6028	CakSNP6028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13082999	(A/G)
6029	CakSNP6029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13102381	(G/A)
6030	CakSNP6030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13102348	(G/T)
6031	CakSNP6031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13147948	(A/G)
6032	CakSNP6032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13147951	(C/T)
6033	CakSNP6033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13147960	(T/C)
6034	CakSNP6034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13147965	(A/G)
6035	CakSNP6035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13148016	(G/A)
6036	CakSNP6036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13179829	(T/C)
6037	CakSNP6037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13203008	(A/T)
6038	CakSNP6038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13229035	(C/T)
6039	CakSNP6039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13252015	(A/T)
6040	CakSNP6040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13252077	(C/G)
6041	CakSNP6041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13252126	(T/C)
6042	CakSNP6042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13252212	(G/A)
6043	CakSNP6043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13272282	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6044	CakSNP6044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13282984	(A/C)
6045	CakSNP6045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13296221	(A/T)
6046	CakSNP6046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13296217	(G/T)
6047	CakSNP6047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13310700	(T/C)
6048	CakSNP6048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13318811	(C/T)
6049	CakSNP6049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13331280	(A/G)
6050	CakSNP6050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13332384	(G/A)
6051	CakSNP6051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13332452	(T/C)
6052	CakSNP6052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13376456	(A/T)
6053	CakSNP6053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13463481	(C/T)
6054	CakSNP6054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13500679	(A/C)
6055	CakSNP6055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13500693	(G/A)
6056	CakSNP6056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13588956	(C/T)
6057	CakSNP6057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13588928	(T/C)
6058	CakSNP6058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13646571	(T/C)
6059	CakSNP6059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13646628	(C/T)
6060	CakSNP6060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13687456	(G/A)
6061	CakSNP6061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13713380	(G/T)
6062	CakSNP6062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13713367	(G/C)
6063	CakSNP6063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13724666	(G/C)
6064	CakSNP6064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13787448	(A/C)
6065	CakSNP6065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13787649	(T/C)
6066	CakSNP6066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13787720	(G/C)
6067	CakSNP6067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13823667	(T/A)
6068	CakSNP6068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13823672	(G/T)
6069	CakSNP6069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13823695	(T/C)
6070	CakSNP6070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13838241	(G/T)
6071	CakSNP6071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13838796	(A/G)
6072	CakSNP6072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13839294	(A/G)
6073	CakSNP6073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13839288	(G/A)
6074	CakSNP6074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13840191	(T/A)
6075	CakSNP6075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13840227	(C/A)
6076	CakSNP6076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13840251	(A/G)
6077	CakSNP6077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13840484	(T/C)
6078	CakSNP6078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13841340	(G/T)
6079	CakSNP6079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13841401	(A/G)
6080	CakSNP6080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13845581	(A/T)
6081	CakSNP6081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13845639	(A/C)
6082	CakSNP6082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13845675	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6083	CakSNP6083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13900013	(A/G)
6084	CakSNP6084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13923366	(T/C)
6085	CakSNP6085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13949513	(A/C)
6086	CakSNP6086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13949580	(C/G)
6087	CakSNP6087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13954832	(G/A)
6088	CakSNP6088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13968291	(C/T)
6089	CakSNP6089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13968397	(A/G)
6090	CakSNP6090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13968354	(A/G)
6091	CakSNP6091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	13982970	(G/A)
6092	CakSNP6092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14031548	(A/G)
6093	CakSNP6093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14056908	(A/G)
6094	CakSNP6094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14073059	(C/T)
6095	CakSNP6095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14073056	(C/T)
6096	CakSNP6096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14073045	(G/A)
6097	CakSNP6097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14073044	(C/T)
6098	CakSNP6098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14073004	(C/A)
6099	CakSNP6099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14082157	(C/A)
6100	CakSNP6100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14082158	(T/G)
6101	CakSNP6101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14082186	(G/A)
6102	CakSNP6102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14082210	(T/C)
6103	CakSNP6103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14082285	(C/G)
6104	CakSNP6104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14093027	(A/G)
6105	CakSNP6105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14104096	(A/C)
6106	CakSNP6106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14112911	(C/A)
6107	CakSNP6107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14132659	(A/C)
6108	CakSNP6108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14149589	(G/A)
6109	CakSNP6109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14149588	(A/G)
6110	CakSNP6110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14155978	(A/G)
6111	CakSNP6111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14156014	(C/T)
6112	CakSNP6112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14163060	(C/T)
6113	CakSNP6113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14181527	(A/G)
6114	CakSNP6114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14189356	(A/C)
6115	CakSNP6115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14199191	(G/C)
6116	CakSNP6116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14225284	(A/G)
6117	CakSNP6117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14270811	(G/A)
6118	CakSNP6118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14270763	(G/A)
6119	CakSNP6119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14453942	(T/C)
6120	CakSNP6120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14515543	(T/A)
6121	CakSNP6121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14515531	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6122	CakSNP6122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14517424	(C/T)
6123	CakSNP6123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14529007	(A/G)
6124	CakSNP6124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14565948	(A/C)
6125	CakSNP6125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14566064	(G/A)
6126	CakSNP6126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14566074	(T/A)
6127	CakSNP6127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14566081	(A/G)
6128	CakSNP6128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14611177	(A/G)
6129	CakSNP6129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14657743	(C/T)
6130	CakSNP6130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14696775	(T/C)
6131	CakSNP6131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14698825	(A/T)
6132	CakSNP6132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14699270	(T/C)
6133	CakSNP6133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14748051	(A/C)
6134	CakSNP6134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14770484	(C/T)
6135	CakSNP6135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14770524	(G/C)
6136	CakSNP6136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14770525	(G/A)
6137	CakSNP6137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14770532	(C/T)
6138	CakSNP6138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14785530	(G/A)
6139	CakSNP6139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14785557	(A/C)
6140	CakSNP6140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14786093	(C/G)
6141	CakSNP6141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14831204	(A/T)
6142	CakSNP6142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14831298	(A/T)
6143	CakSNP6143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14855406	(T/C)
6144	CakSNP6144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14855417	(T/A)
6145	CakSNP6145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14870658	(T/G)
6146	CakSNP6146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14870641	(G/A)
6147	CakSNP6147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14989557	(C/T)
6148	CakSNP6148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14989544	(C/T)
6149	CakSNP6149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	14989526	(G/A)
6150	CakSNP6150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15025765	(T/A)
6151	CakSNP6151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15025785	(T/G)
6152	CakSNP6152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15026058	(C/T)
6153	CakSNP6153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15036362	(A/G)
6154	CakSNP6154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15039897	(C/G)
6155	CakSNP6155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15039905	(T/C)
6156	CakSNP6156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15039948	(G/C)
6157	CakSNP6157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15039996	(C/T)
6158	CakSNP6158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15040072	(A/C)
6159	CakSNP6159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15053643	(T/C)
6160	CakSNP6160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15075489	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6161	CakSNP6161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15075502	(G/T)
6162	CakSNP6162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15159143	(A/G)
6163	CakSNP6163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15190387	(T/G)
6164	CakSNP6164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15190423	(T/A)
6165	CakSNP6165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15212787	(G/A)
6166	CakSNP6166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15240675	(G/A)
6167	CakSNP6167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15240678	(T/C)
6168	CakSNP6168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15299232	(G/A)
6169	CakSNP6169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15320777	(G/A)
6170	CakSNP6170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15357651	(C/T)
6171	CakSNP6171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15357695	(A/G)
6172	CakSNP6172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15394470	(T/C)
6173	CakSNP6173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15448826	(G/T)
6174	CakSNP6174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15449843	(A/G)
6175	CakSNP6175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15542543	(T/C)
6176	CakSNP6176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15542597	(A/G)
6177	CakSNP6177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15552690	(C/T)
6178	CakSNP6178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15552683	(C/T)
6179	CakSNP6179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15697128	(A/G)
6180	CakSNP6180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15697303	(G/T)
6181	CakSNP6181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698212	(G/T)
6182	CakSNP6182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698179	(G/A)
6183	CakSNP6183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698233	(A/C)
6184	CakSNP6184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698305	(T/C)
6185	CakSNP6185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698405	(G/A)
6186	CakSNP6186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698486	(T/C)
6187	CakSNP6187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698456	(T/C)
6188	CakSNP6188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698444	(C/T)
6189	CakSNP6189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15698420	(G/C)
6190	CakSNP6190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15700603	(A/T)
6191	CakSNP6191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15700630	(G/A)
6192	CakSNP6192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15713955	(G/A)
6193	CakSNP6193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15717281	(T/C)
6194	CakSNP6194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15735993	(T/C)
6195	CakSNP6195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15736015	(C/T)
6196	CakSNP6196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15736562	(A/T)
6197	CakSNP6197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15736619	(T/G)
6198	CakSNP6198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15736627	(T/C)
6199	CakSNP6199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15744703	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6200	CakSNP6200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15752567	(G/C)
6201	CakSNP6201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15766341	(A/G)
6202	CakSNP6202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15766360	(G/A)
6203	CakSNP6203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15772235	(C/A)
6204	CakSNP6204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15772275	(A/G)
6205	CakSNP6205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15821282	(G/A)
6206	CakSNP6206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15821311	(T/A)
6207	CakSNP6207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15825621	(A/T)
6208	CakSNP6208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15860388	(A/G)
6209	CakSNP6209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15860359	(C/A)
6210	CakSNP6210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15900602	(G/A)
6211	CakSNP6211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15925936	(T/G)
6212	CakSNP6212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15926160	(A/G)
6213	CakSNP6213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15934607	(A/T)
6214	CakSNP6214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15934901	(T/G)
6215	CakSNP6215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	15957070	(T/A)
6216	CakSNP6216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16027272	(G/A)
6217	CakSNP6217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16027292	(A/C)
6218	CakSNP6218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16027368	(G/T)
6219	CakSNP6219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16027299	(T/A)
6220	CakSNP6220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16045694	(T/G)
6221	CakSNP6221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16045870	(G/A)
6222	CakSNP6222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16046928	(T/C)
6223	CakSNP6223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16278600	(C/T)
6224	CakSNP6224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16278671	(T/A)
6225	CakSNP6225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16446305	(T/C)
6226	CakSNP6226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16446341	(T/G)
6227	CakSNP6227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16446336	(C/G)
6228	CakSNP6228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16446956	(T/C)
6229	CakSNP6229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16457940	(G/A)
6230	CakSNP6230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501291	(T/A)
6231	CakSNP6231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501306	(T/A)
6232	CakSNP6232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501354	(C/T)
6233	CakSNP6233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501782	(G/A)
6234	CakSNP6234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501781	(C/A)
6235	CakSNP6235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501769	(C/T)
6236	CakSNP6236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501738	(G/A)
6237	CakSNP6237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16501716	(T/C)
6238	CakSNP6238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16505159	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6239	CakSNP6239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16536754	(C/T)
6240	CakSNP6240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16571288	(T/C)
6241	CakSNP6241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16586863	(G/C)
6242	CakSNP6242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16586913	(G/C)
6243	CakSNP6243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16586929	(G/C)
6244	CakSNP6244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16619312	(T/C)
6245	CakSNP6245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16622514	(C/A)
6246	CakSNP6246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16625148	(T/G)
6247	CakSNP6247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16625270	(T/G)
6248	CakSNP6248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16625221	(G/A)
6249	CakSNP6249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628559	(T/G)
6250	CakSNP6250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628591	(T/G)
6251	CakSNP6251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628594	(T/G)
6252	CakSNP6252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628542	(G/A)
6253	CakSNP6253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628540	(G/A)
6254	CakSNP6254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628536	(T/A)
6255	CakSNP6255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628529	(C/A)
6256	CakSNP6256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628527	(G/A)
6257	CakSNP6257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16628523	(T/C)
6258	CakSNP6258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16629560	(G/T)
6259	CakSNP6259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16629559	(T/G)
6260	CakSNP6260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16629638	(C/A)
6261	CakSNP6261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16630385	(G/T)
6262	CakSNP6262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16669916	(T/C)
6263	CakSNP6263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16749740	(A/G)
6264	CakSNP6264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16750416	(A/G)
6265	CakSNP6265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16751205	(T/C)
6266	CakSNP6266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16789476	(G/A)
6267	CakSNP6267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16789532	(A/C)
6268	CakSNP6268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16820726	(C/A)
6269	CakSNP6269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16837336	(T/A)
6270	CakSNP6270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16839081	(T/A)
6271	CakSNP6271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16845299	(G/A)
6272	CakSNP6272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16889650	(A/T)
6273	CakSNP6273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16926545	(T/C)
6274	CakSNP6274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16926527	(T/A)
6275	CakSNP6275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	16926614	(A/T)
6276	CakSNP6276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17028303	(A/G)
6277	CakSNP6277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17028368	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6278	CakSNP6278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17028523	(C/T)
6279	CakSNP6279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17028495	(T/A)
6280	CakSNP6280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17032676	(T/C)
6281	CakSNP6281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17032673	(C/T)
6282	CakSNP6282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059830	(G/A)
6283	CakSNP6283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059833	(A/T)
6284	CakSNP6284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059852	(T/C)
6285	CakSNP6285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059866	(G/A)
6286	CakSNP6286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059872	(A/G)
6287	CakSNP6287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17059887	(G/A)
6288	CakSNP6288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17093090	(C/G)
6289	CakSNP6289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17147875	(C/T)
6290	CakSNP6290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17147926	(T/C)
6291	CakSNP6291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17187560	(C/G)
6292	CakSNP6292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17191562	(T/A)
6293	CakSNP6293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17199316	(T/C)
6294	CakSNP6294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17199477	(G/A)
6295	CakSNP6295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17199432	(G/A)
6296	CakSNP6296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17202770	(A/G)
6297	CakSNP6297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17225334	(G/A)
6298	CakSNP6298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17264248	(C/A)
6299	CakSNP6299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17264592	(G/A)
6300	CakSNP6300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17264621	(C/G)
6301	CakSNP6301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17264637	(C/T)
6302	CakSNP6302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17282119	(T/C)
6303	CakSNP6303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17282139	(G/C)
6304	CakSNP6304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17282148	(G/C)
6305	CakSNP6305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17282336	(G/T)
6306	CakSNP6306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17282345	(G/C)
6307	CakSNP6307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17289594	(G/C)
6308	CakSNP6308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17297498	(G/T)
6309	CakSNP6309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17297567	(G/A)
6310	CakSNP6310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17297563	(A/G)
6311	CakSNP6311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17309656	(A/C)
6312	CakSNP6312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345431	(T/C)
6313	CakSNP6313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345436	(G/T)
6314	CakSNP6314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345439	(G/A)
6315	CakSNP6315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345448	(T/G)
6316	CakSNP6316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345500	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6317	CakSNP6317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345483	(C/A)
6318	CakSNP6318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17345454	(A/G)
6319	CakSNP6319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17358736	(C/T)
6320	CakSNP6320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17361143	(T/A)
6321	CakSNP6321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17396325	(A/G)
6322	CakSNP6322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17396349	(T/G)
6323	CakSNP6323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17396352	(T/G)
6324	CakSNP6324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429456	(A/T)
6325	CakSNP6325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429457	(A/T)
6326	CakSNP6326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429468	(T/C)
6327	CakSNP6327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429747	(G/A)
6328	CakSNP6328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429742	(A/G)
6329	CakSNP6329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429735	(A/G)
6330	CakSNP6330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17429699	(G/C)
6331	CakSNP6331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17433782	(G/A)
6332	CakSNP6332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17433914	(G/A)
6333	CakSNP6333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17444578	(A/C)
6334	CakSNP6334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17472129	(T/A)
6335	CakSNP6335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17472992	(T/G)
6336	CakSNP6336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17473174	(C/T)
6337	CakSNP6337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17473237	(T/C)
6338	CakSNP6338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17473234	(C/A)
6339	CakSNP6339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17603613	(T/C)
6340	CakSNP6340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17603677	(G/C)
6341	CakSNP6341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17603689	(T/C)
6342	CakSNP6342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17603725	(T/C)
6343	CakSNP6343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17609554	(A/T)
6344	CakSNP6344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17621035	(G/T)
6345	CakSNP6345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17621609	(G/A)
6346	CakSNP6346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17647558	(G/A)
6347	CakSNP6347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17652735	(T/C)
6348	CakSNP6348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17685058	(T/G)
6349	CakSNP6349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17685113	(C/A)
6350	CakSNP6350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17718540	(C/T)
6351	CakSNP6351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17718536	(C/A)
6352	CakSNP6352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17718894	(G/A)
6353	CakSNP6353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17718922	(T/G)
6354	CakSNP6354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17718997	(C/A)
6355	CakSNP6355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17729988	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6356	CakSNP6356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17748171	(A/T)
6357	CakSNP6357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17752013	(C/T)
6358	CakSNP6358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17760841	(A/G)
6359	CakSNP6359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17760853	(T/G)
6360	CakSNP6360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17768507	(T/C)
6361	CakSNP6361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17771708	(C/G)
6362	CakSNP6362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17784792	(T/A)
6363	CakSNP6363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17826472	(G/A)
6364	CakSNP6364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17826533	(A/C)
6365	CakSNP6365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17826601	(T/C)
6366	CakSNP6366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17826580	(C/G)
6367	CakSNP6367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17826543	(T/C)
6368	CakSNP6368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17843480	(G/T)
6369	CakSNP6369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17847737	(G/A)
6370	CakSNP6370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17847854	(T/C)
6371	CakSNP6371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17856307	(T/C)
6372	CakSNP6372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17856311	(T/G)
6373	CakSNP6373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17856334	(A/G)
6374	CakSNP6374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17857753	(C/T)
6375	CakSNP6375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858122	(T/G)
6376	CakSNP6376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858133	(C/T)
6377	CakSNP6377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858135	(G/A)
6378	CakSNP6378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858140	(A/C)
6379	CakSNP6379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858143	(A/T)
6380	CakSNP6380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858144	(G/C)
6381	CakSNP6381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858152	(A/T)
6382	CakSNP6382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858159	(C/A)
6383	CakSNP6383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17858226	(C/T)
6384	CakSNP6384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871769	(C/A)
6385	CakSNP6385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871763	(T/C)
6386	CakSNP6386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871804	(T/C)
6387	CakSNP6387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871828	(A/C)
6388	CakSNP6388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871919	(A/G)
6389	CakSNP6389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17871915	(T/A)
6390	CakSNP6390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17913731	(A/C)
6391	CakSNP6391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17913726	(G/A)
6392	CakSNP6392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17913719	(G/C)
6393	CakSNP6393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17913698	(C/T)
6394	CakSNP6394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17913682	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6395	CakSNP6395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17920616	(C/G)
6396	CakSNP6396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17931955	(G/A)
6397	CakSNP6397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17970218	(T/G)
6398	CakSNP6398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17970221	(C/T)
6399	CakSNP6399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17970225	(T/C)
6400	CakSNP6400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17970232	(A/G)
6401	CakSNP6401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	17970280	(T/A)
6402	CakSNP6402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18053756	(A/G)
6403	CakSNP6403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18070293	(G/T)
6404	CakSNP6404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18071114	(C/A)
6405	CakSNP6405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18071324	(G/A)
6406	CakSNP6406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18089423	(G/C)
6407	CakSNP6407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18089422	(T/C)
6408	CakSNP6408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18117833	(T/C)
6409	CakSNP6409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18222762	(T/C)
6410	CakSNP6410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18231443	(T/C)
6411	CakSNP6411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18231463	(T/C)
6412	CakSNP6412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18231466	(T/C)
6413	CakSNP6413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18242020	(C/G)
6414	CakSNP6414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18241995	(C/G)
6415	CakSNP6415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18427385	(T/G)
6416	CakSNP6416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18427384	(C/T)
6417	CakSNP6417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18429046	(G/T)
6418	CakSNP6418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18429139	(C/T)
6419	CakSNP6419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18485782	(T/C)
6420	CakSNP6420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18489456	(G/C)
6421	CakSNP6421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18495186	(A/G)
6422	CakSNP6422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18545489	(A/T)
6423	CakSNP6423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18546209	(T/G)
6424	CakSNP6424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18625387	(G/A)
6425	CakSNP6425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18628582	(A/G)
6426	CakSNP6426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18710941	(T/G)
6427	CakSNP6427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18719417	(A/G)
6428	CakSNP6428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18721801	(G/A)
6429	CakSNP6429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18779396	(A/C)
6430	CakSNP6430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18812610	(T/C)
6431	CakSNP6431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18880757	(A/G)
6432	CakSNP6432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18904060	(G/A)
6433	CakSNP6433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18912038	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6434	CakSNP6434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18912137	(T/C)
6435	CakSNP6435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18912124	(C/A)
6436	CakSNP6436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18912142	(A/G)
6437	CakSNP6437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18923641	(G/T)
6438	CakSNP6438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18953354	(C/A)
6439	CakSNP6439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18953423	(A/C)
6440	CakSNP6440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18953511	(C/G)
6441	CakSNP6441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	18998727	(C/T)
6442	CakSNP6442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19005285	(T/G)
6443	CakSNP6443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19005416	(T/G)
6444	CakSNP6444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19006493	(C/T)
6445	CakSNP6445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19024709	(C/T)
6446	CakSNP6446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19024699	(T/C)
6447	CakSNP6447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19206563	(A/G)
6448	CakSNP6448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19206581	(C/T)
6449	CakSNP6449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19206611	(T/C)
6450	CakSNP6450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19206613	(T/G)
6451	CakSNP6451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19206678	(A/T)
6452	CakSNP6452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19207121	(A/T)
6453	CakSNP6453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19227691	(G/C)
6454	CakSNP6454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19263964	(G/C)
6455	CakSNP6455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19263967	(T/G)
6456	CakSNP6456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19267581	(A/G)
6457	CakSNP6457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19481258	(A/G)
6458	CakSNP6458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19540632	(A/C)
6459	CakSNP6459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19540646	(T/G)
6460	CakSNP6460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579390	(G/T)
6461	CakSNP6461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579401	(C/A)
6462	CakSNP6462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579423	(A/G)
6463	CakSNP6463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579433	(G/A)
6464	CakSNP6464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579435	(A/G)
6465	CakSNP6465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579436	(A/T)
6466	CakSNP6466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19579442	(C/A)
6467	CakSNP6467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19649499	(A/G)
6468	CakSNP6468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19668499	(T/C)
6469	CakSNP6469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19668502	(T/G)
6470	CakSNP6470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19668595	(T/C)
6471	CakSNP6471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19688016	(A/G)
6472	CakSNP6472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19712406	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6473	CakSNP6473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19713311	(T/G)
6474	CakSNP6474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19734940	(G/A)
6475	CakSNP6475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19844376	(A/G)
6476	CakSNP6476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19869729	(G/T)
6477	CakSNP6477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	19869722	(T/G)
6478	CakSNP6478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20218430	(T/G)
6479	CakSNP6479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20308992	(C/A)
6480	CakSNP6480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20309151	(C/T)
6481	CakSNP6481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20398548	(T/G)
6482	CakSNP6482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20398685	(A/C)
6483	CakSNP6483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20402361	(A/G)
6484	CakSNP6484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20402391	(A/G)
6485	CakSNP6485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20412329	(A/T)
6486	CakSNP6486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20436136	(G/A)
6487	CakSNP6487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20444953	(T/C)
6488	CakSNP6488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20599050	(A/G)
6489	CakSNP6489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20599058	(T/C)
6490	CakSNP6490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20599081	(C/T)
6491	CakSNP6491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20599091	(T/G)
6492	CakSNP6492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20656170	(T/G)
6493	CakSNP6493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20669174	(T/C)
6494	CakSNP6494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20669442	(G/A)
6495	CakSNP6495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20696913	(A/G)
6496	CakSNP6496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20696952	(G/T)
6497	CakSNP6497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20696979	(C/T)
6498	CakSNP6498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20697338	(T/A)
6499	CakSNP6499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20697408	(A/G)
6500	CakSNP6500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20774180	(C/T)
6501	CakSNP6501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	20905105	(G/A)
6502	CakSNP6502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21096178	(G/A)
6503	CakSNP6503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21385308	(A/T)
6504	CakSNP6504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21830534	(C/T)
6505	CakSNP6505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21835459	(T/A)
6506	CakSNP6506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21835457	(T/A)
6507	CakSNP6507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21835454	(C/A)
6508	CakSNP6508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21835446	(T/A)
6509	CakSNP6509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21931559	(A/G)
6510	CakSNP6510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21931558	(G/A)
6511	CakSNP6511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	21931541	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6512	CakSNP6512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22079566	(G/A)
6513	CakSNP6513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22237989	(A/T)
6514	CakSNP6514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22237971	(C/T)
6515	CakSNP6515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22288433	(T/C)
6516	CakSNP6516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22293495	(T/C)
6517	CakSNP6517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22850596	(C/G)
6518	CakSNP6518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22859422	(G/A)
6519	CakSNP6519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22860281	(A/C)
6520	CakSNP6520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22865436	(A/T)
6521	CakSNP6521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22865390	(G/A)
6522	CakSNP6522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22865389	(C/T)
6523	CakSNP6523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22908360	(A/G)
6524	CakSNP6524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971660	(G/A)
6525	CakSNP6525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971766	(A/G)
6526	CakSNP6526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971746	(G/A)
6527	CakSNP6527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971744	(A/C)
6528	CakSNP6528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971847	(C/A)
6529	CakSNP6529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971853	(C/A)
6530	CakSNP6530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	22971884	(G/A)
6531	CakSNP6531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23157656	(C/G)
6532	CakSNP6532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23267842	(T/C)
6533	CakSNP6533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23267856	(C/T)
6534	CakSNP6534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23267858	(C/T)
6535	CakSNP6535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23267859	(T/C)
6536	CakSNP6536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23314624	(C/T)
6537	CakSNP6537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23314665	(A/C)
6538	CakSNP6538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23318875	(T/C)
6539	CakSNP6539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23319309	(G/C)
6540	CakSNP6540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23333610	(C/T)
6541	CakSNP6541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23333554	(T/C)
6542	CakSNP6542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23337341	(T/C)
6543	CakSNP6543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23337312	(T/G)
6544	CakSNP6544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23481919	(G/A)
6545	CakSNP6545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23481927	(G/T)
6546	CakSNP6546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23481962	(G/A)
6547	CakSNP6547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23482033	(A/G)
6548	CakSNP6548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23481998	(T/C)
6549	CakSNP6549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23486812	(A/G)
6550	CakSNP6550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23486859	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6551	CakSNP6551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23486824	(T/C)
6552	CakSNP6552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23671441	(T/G)
6553	CakSNP6553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23671443	(A/T)
6554	CakSNP6554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23731572	(C/T)
6555	CakSNP6555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	23732099	(A/T)
6556	CakSNP6556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24050459	(G/A)
6557	CakSNP6557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24050464	(G/A)
6558	CakSNP6558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24120866	(A/G)
6559	CakSNP6559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24544345	(G/A)
6560	CakSNP6560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24614582	(G/T)
6561	CakSNP6561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24729302	(T/C)
6562	CakSNP6562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24732991	(G/T)
6563	CakSNP6563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24732990	(T/C)
6564	CakSNP6564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24771737	(T/A)
6565	CakSNP6565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24782714	(C/A)
6566	CakSNP6566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24782715	(A/G)
6567	CakSNP6567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24856115	(A/C)
6568	CakSNP6568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	24857501	(A/G)
6569	CakSNP6569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25401714	(T/C)
6570	CakSNP6570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25446677	(G/C)
6571	CakSNP6571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25446684	(T/C)
6572	CakSNP6572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25449897	(T/G)
6573	CakSNP6573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25455156	(G/A)
6574	CakSNP6574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25455204	(A/G)
6575	CakSNP6575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25455225	(G/A)
6576	CakSNP6576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592561	(T/C)
6577	CakSNP6577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592548	(A/G)
6578	CakSNP6578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592528	(A/C)
6579	CakSNP6579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592525	(C/A)
6580	CakSNP6580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592492	(T/C)
6581	CakSNP6581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592487	(A/G)
6582	CakSNP6582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592484	(A/C)
6583	CakSNP6583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25592481	(T/C)
6584	CakSNP6584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25729905	(C/A)
6585	CakSNP6585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25729914	(C/A)
6586	CakSNP6586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25729974	(G/C)
6587	CakSNP6587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25729977	(C/T)
6588	CakSNP6588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747256	(T/C)
6589	CakSNP6589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747262	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6590	CakSNP6590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747274	(T/G)
6591	CakSNP6591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747275	(G/A)
6592	CakSNP6592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747281	(T/C)
6593	CakSNP6593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747295	(G/A)
6594	CakSNP6594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747296	(T/C)
6595	CakSNP6595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747364	(T/A)
6596	CakSNP6596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25747297	(G/A)
6597	CakSNP6597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25809665	(T/C)
6598	CakSNP6598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	25921165	(T/C)
6599	CakSNP6599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26000532	(C/T)
6600	CakSNP6600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26000483	(T/A)
6601	CakSNP6601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26002991	(C/A)
6602	CakSNP6602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26008744	(G/A)
6603	CakSNP6603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26008745	(G/A)
6604	CakSNP6604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26008748	(C/T)
6605	CakSNP6605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26008768	(A/G)
6606	CakSNP6606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26008816	(C/A)
6607	CakSNP6607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26009438	(G/T)
6608	CakSNP6608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26009439	(G/T)
6609	CakSNP6609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26222180	(A/G)
6610	CakSNP6610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26282236	(A/C)
6611	CakSNP6611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26324460	(T/C)
6612	CakSNP6612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26529606	(C/T)
6613	CakSNP6613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26532763	(T/G)
6614	CakSNP6614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26536919	(C/G)
6615	CakSNP6615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26537053	(C/T)
6616	CakSNP6616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26537258	(A/C)
6617	CakSNP6617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26869756	(A/G)
6618	CakSNP6618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26915602	(G/A)
6619	CakSNP6619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26915615	(A/G)
6620	CakSNP6620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26915621	(G/A)
6621	CakSNP6621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26915626	(C/T)
6622	CakSNP6622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26989085	(G/A)
6623	CakSNP6623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26989090	(G/T)
6624	CakSNP6624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	26989204	(A/C)
6625	CakSNP6625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27102807	(G/A)
6626	CakSNP6626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27102817	(A/C)
6627	CakSNP6627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27102833	(G/T)
6628	CakSNP6628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27262241	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6629	CakSNP6629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27262893	(G/A)
6630	CakSNP6630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27262870	(C/T)
6631	CakSNP6631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27262830	(T/A)
6632	CakSNP6632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27268301	(G/A)
6633	CakSNP6633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27268278	(C/T)
6634	CakSNP6634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27493010	(G/T)
6635	CakSNP6635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27613450	(C/T)
6636	CakSNP6636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27617803	(A/G)
6637	CakSNP6637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27626559	(G/A)
6638	CakSNP6638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27626999	(C/T)
6639	CakSNP6639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27661241	(T/G)
6640	CakSNP6640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27669829	(C/G)
6641	CakSNP6641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27777968	(A/C)
6642	CakSNP6642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27786162	(G/C)
6643	CakSNP6643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	27970989	(T/G)
6644	CakSNP6644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28061002	(A/C)
6645	CakSNP6645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28092609	(G/A)
6646	CakSNP6646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28092727	(T/A)
6647	CakSNP6647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28092725	(T/G)
6648	CakSNP6648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28092724	(T/A)
6649	CakSNP6649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28268788	(G/A)
6650	CakSNP6650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28289900	(C/A)
6651	CakSNP6651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28299238	(G/A)
6652	CakSNP6652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28301853	(T/C)
6653	CakSNP6653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28423079	(T/C)
6654	CakSNP6654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28423140	(A/G)
6655	CakSNP6655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28431706	(G/A)
6656	CakSNP6656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	28790085	(A/G)
6657	CakSNP6657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582296	(C/T)
6658	CakSNP6658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582289	(G/A)
6659	CakSNP6659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582285	(C/A)
6660	CakSNP6660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582282	(C/A)
6661	CakSNP6661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582273	(G/A)
6662	CakSNP6662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582268	(C/G)
6663	CakSNP6663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582257	(G/A)
6664	CakSNP6664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582255	(C/T)
6665	CakSNP6665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582252	(G/A)
6666	CakSNP6666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582249	(C/T)
6667	CakSNP6667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582235	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6668	CakSNP6668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582232	(C/T)
6669	CakSNP6669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582227	(G/A)
6670	CakSNP6670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582219	(A/C)
6671	CakSNP6671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582271	(C/T)
6672	CakSNP6672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582286	(T/A)
6673	CakSNP6673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582294	(G/A)
6674	CakSNP6674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29582301	(G/T)
6675	CakSNP6675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29671563	(G/A)
6676	CakSNP6676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29671606	(A/G)
6677	CakSNP6677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29683718	(A/T)
6678	CakSNP6678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29923380	(G/A)
6679	CakSNP6679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29958122	(T/G)
6680	CakSNP6680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29958113	(G/A)
6681	CakSNP6681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	29972268	(T/G)
6682	CakSNP6682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30066903	(G/A)
6683	CakSNP6683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30153390	(G/A)
6684	CakSNP6684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30153448	(T/C)
6685	CakSNP6685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30153505	(C/G)
6686	CakSNP6686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258044	(A/T)
6687	CakSNP6687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258045	(A/T)
6688	CakSNP6688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258056	(A/G)
6689	CakSNP6689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258484	(G/C)
6690	CakSNP6690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258613	(C/A)
6691	CakSNP6691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258607	(C/A)
6692	CakSNP6692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258604	(C/A)
6693	CakSNP6693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258596	(G/C)
6694	CakSNP6694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30258567	(C/A)
6695	CakSNP6695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30260485	(C/A)
6696	CakSNP6696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30281991	(A/G)
6697	CakSNP6697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30301002	(T/G)
6698	CakSNP6698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30308719	(A/C)
6699	CakSNP6699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30308812	(G/A)
6700	CakSNP6700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30308788	(T/C)
6701	CakSNP6701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30463063	(T/C)
6702	CakSNP6702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30463117	(C/A)
6703	CakSNP6703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30599096	(C/A)
6704	CakSNP6704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30599188	(C/T)
6705	CakSNP6705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30667916	(G/A)
6706	CakSNP6706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30668893	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6707	CakSNP6707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30851027	(A/T)
6708	CakSNP6708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30851411	(T/G)
6709	CakSNP6709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30851840	(A/T)
6710	CakSNP6710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	30931586	(G/T)
6711	CakSNP6711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31218647	(T/C)
6712	CakSNP6712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31221264	(T/G)
6713	CakSNP6713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31221253	(G/A)
6714	CakSNP6714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31221226	(T/A)
6715	CakSNP6715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31224001	(G/A)
6716	CakSNP6716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31262596	(T/A)
6717	CakSNP6717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31263205	(T/A)
6718	CakSNP6718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31594126	(A/C)
6719	CakSNP6719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31618949	(T/A)
6720	CakSNP6720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31875713	(A/G)
6721	CakSNP6721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	31987890	(A/C)
6722	CakSNP6722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32042488	(T/G)
6723	CakSNP6723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32042527	(C/T)
6724	CakSNP6724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32068961	(A/G)
6725	CakSNP6725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32073552	(T/C)
6726	CakSNP6726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32073550	(C/G)
6727	CakSNP6727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32073549	(G/C)
6728	CakSNP6728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32166559	(C/G)
6729	CakSNP6729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32166557	(T/A)
6730	CakSNP6730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32183307	(C/G)
6731	CakSNP6731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32184628	(A/G)
6732	CakSNP6732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32212899	(G/A)
6733	CakSNP6733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32297780	(C/A)
6734	CakSNP6734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32297758	(G/A)
6735	CakSNP6735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32297734	(A/G)
6736	CakSNP6736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32303394	(C/T)
6737	CakSNP6737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32429228	(A/T)
6738	CakSNP6738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32429222	(A/C)
6739	CakSNP6739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32521346	(T/C)
6740	CakSNP6740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32602658	(C/T)
6741	CakSNP6741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32604261	(G/A)
6742	CakSNP6742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32604538	(T/C)
6743	CakSNP6743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32604510	(A/C)
6744	CakSNP6744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32636315	(T/C)
6745	CakSNP6745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	32636276	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6746	CakSNP6746	Kabuli	Ca_Kabuli_Ch04	32636428	(C/A)
6747	CakSNP6747	Kabuli	Ca_Kabuli_Ch04	32636459	(A/G)
6748	CakSNP6748	Kabuli	Ca_Kabuli_Ch04	32636690	(C/T)
6749	CakSNP6749	Kabuli	Ca_Kabuli_Ch04	32636953	(A/G)
6750	CakSNP6750	Kabuli	Ca_Kabuli_Ch04	32639121	(C/T)
6751	CakSNP6751	Kabuli	Ca_Kabuli_Ch04	32639188	(C/G)
6752	CakSNP6752	Kabuli	Ca_Kabuli_Ch04	32639118	(A/C)
6753	CakSNP6753	Kabuli	Ca_Kabuli_Ch04	32639262	(A/G)
6754	CakSNP6754	Kabuli	Ca_Kabuli_Ch04	32639315	(A/G)
6755	CakSNP6755	Kabuli	Ca_Kabuli_Ch04	32639654	(T/C)
6756	CakSNP6756	Kabuli	Ca_Kabuli_Ch04	32639681	(C/T)
6757	CakSNP6757	Kabuli	Ca_Kabuli_Ch04	32639770	(C/G)
6758	CakSNP6758	Kabuli	Ca_Kabuli_Ch04	32640911	(A/G)
6759	CakSNP6759	Kabuli	Ca_Kabuli_Ch04	32853834	(T/C)
6760	CakSNP6760	Kabuli	Ca_Kabuli_Ch04	32853838	(G/T)
6761	CakSNP6761	Kabuli	Ca_Kabuli_Ch04	33068276	(G/A)
6762	CakSNP6762	Kabuli	Ca_Kabuli_Ch04	33221361	(T/C)
6763	CakSNP6763	Kabuli	Ca_Kabuli_Ch04	33221371	(T/C)
6764	CakSNP6764	Kabuli	Ca_Kabuli_Ch04	33221397	(T/G)
6765	CakSNP6765	Kabuli	Ca_Kabuli_Ch04	33509759	(A/C)
6766	CakSNP6766	Kabuli	Ca_Kabuli_Ch04	33509762	(G/A)
6767	CakSNP6767	Kabuli	Ca_Kabuli_Ch04	33509804	(A/G)
6768	CakSNP6768	Kabuli	Ca_Kabuli_Ch04	33641757	(C/T)
6769	CakSNP6769	Kabuli	Ca_Kabuli_Ch04	33820657	(A/C)
6770	CakSNP6770	Kabuli	Ca_Kabuli_Ch04	33874346	(T/C)
6771	CakSNP6771	Kabuli	Ca_Kabuli_Ch04	33874327	(T/C)
6772	CakSNP6772	Kabuli	Ca_Kabuli_Ch04	33874313	(G/A)
6773	CakSNP6773	Kabuli	Ca_Kabuli_Ch04	33929598	(A/C)
6774	CakSNP6774	Kabuli	Ca_Kabuli_Ch04	33929777	(C/T)
6775	CakSNP6775	Kabuli	Ca_Kabuli_Ch04	34032176	(C/T)
6776	CakSNP6776	Kabuli	Ca_Kabuli_Ch04	34155135	(A/C)
6777	CakSNP6777	Kabuli	Ca_Kabuli_Ch04	34155131	(T/A)
6778	CakSNP6778	Kabuli	Ca_Kabuli_Ch04	34155128	(C/T)
6779	CakSNP6779	Kabuli	Ca_Kabuli_Ch04	34155127	(G/A)
6780	CakSNP6780	Kabuli	Ca_Kabuli_Ch04	34155124	(G/A)
6781	CakSNP6781	Kabuli	Ca_Kabuli_Ch04	34155084	(C/G)
6782	CakSNP6782	Kabuli	Ca_Kabuli_Ch04	34155083	(C/T)
6783	CakSNP6783	Kabuli	Ca_Kabuli_Ch04	34222792	(G/C)
6784	CakSNP6784	Kabuli	Ca_Kabuli_Ch04	34354519	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6785	CakSNP6785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34487064	(T/G)
6786	CakSNP6786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34744344	(T/G)
6787	CakSNP6787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34744398	(T/A)
6788	CakSNP6788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34784285	(G/A)
6789	CakSNP6789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34798597	(C/A)
6790	CakSNP6790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34916032	(C/T)
6791	CakSNP6791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34924575	(C/T)
6792	CakSNP6792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34955953	(A/G)
6793	CakSNP6793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34955971	(A/T)
6794	CakSNP6794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34956006	(C/T)
6795	CakSNP6795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34956019	(G/A)
6796	CakSNP6796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34956035	(C/T)
6797	CakSNP6797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34956111	(G/T)
6798	CakSNP6798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	34956031	(G/A)
6799	CakSNP6799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141281	(A/T)
6800	CakSNP6800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141309	(A/C)
6801	CakSNP6801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141340	(G/A)
6802	CakSNP6802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141353	(C/G)
6803	CakSNP6803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141359	(C/G)
6804	CakSNP6804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141375	(A/G)
6805	CakSNP6805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141403	(C/T)
6806	CakSNP6806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141425	(A/T)
6807	CakSNP6807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141421	(T/A)
6808	CakSNP6808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35141408	(A/G)
6809	CakSNP6809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35168915	(C/T)
6810	CakSNP6810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35168939	(C/T)
6811	CakSNP6811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35229966	(C/T)
6812	CakSNP6812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35230144	(A/G)
6813	CakSNP6813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35231891	(C/T)
6814	CakSNP6814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35304102	(C/T)
6815	CakSNP6815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35304108	(C/A)
6816	CakSNP6816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35309709	(A/G)
6817	CakSNP6817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35311815	(A/C)
6818	CakSNP6818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35337282	(A/G)
6819	CakSNP6819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35344356	(A/G)
6820	CakSNP6820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35344353	(T/C)
6821	CakSNP6821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35344323	(C/T)
6822	CakSNP6822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346415	(G/A)
6823	CakSNP6823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346417	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6824	CakSNP6824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346495	(C/T)
6825	CakSNP6825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346465	(G/T)
6826	CakSNP6826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346558	(G/T)
6827	CakSNP6827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346563	(G/T)
6828	CakSNP6828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346573	(A/G)
6829	CakSNP6829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346576	(C/G)
6830	CakSNP6830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35346624	(G/A)
6831	CakSNP6831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35393505	(G/T)
6832	CakSNP6832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35393643	(G/A)
6833	CakSNP6833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35455095	(A/C)
6834	CakSNP6834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35455062	(A/T)
6835	CakSNP6835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35455708	(G/A)
6836	CakSNP6836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35469308	(T/G)
6837	CakSNP6837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35469304	(G/A)
6838	CakSNP6838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35487504	(G/C)
6839	CakSNP6839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35487496	(C/A)
6840	CakSNP6840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35487471	(A/C)
6841	CakSNP6841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35528758	(C/A)
6842	CakSNP6842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35534777	(G/C)
6843	CakSNP6843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35534877	(T/C)
6844	CakSNP6844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35534891	(C/T)
6845	CakSNP6845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35574379	(C/A)
6846	CakSNP6846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35634712	(A/G)
6847	CakSNP6847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35634751	(A/G)
6848	CakSNP6848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35634873	(G/T)
6849	CakSNP6849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35961593	(A/C)
6850	CakSNP6850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	35977422	(G/A)
6851	CakSNP6851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36005847	(T/G)
6852	CakSNP6852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36010756	(T/G)
6853	CakSNP6853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36153818	(A/G)
6854	CakSNP6854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36154771	(T/C)
6855	CakSNP6855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36154820	(G/A)
6856	CakSNP6856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36154822	(T/G)
6857	CakSNP6857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36184969	(A/G)
6858	CakSNP6858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36277383	(C/T)
6859	CakSNP6859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36368713	(T/C)
6860	CakSNP6860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36445345	(G/A)
6861	CakSNP6861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36445367	(A/G)
6862	CakSNP6862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36449101	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6863	CakSNP6863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36461836	(A/G)
6864	CakSNP6864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467928	(C/T)
6865	CakSNP6865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467943	(A/G)
6866	CakSNP6866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467964	(G/A)
6867	CakSNP6867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467967	(T/C)
6868	CakSNP6868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467980	(C/A)
6869	CakSNP6869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467988	(C/T)
6870	CakSNP6870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36467990	(T/G)
6871	CakSNP6871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36468003	(T/A)
6872	CakSNP6872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36468053	(A/G)
6873	CakSNP6873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36488966	(A/G)
6874	CakSNP6874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36537118	(C/T)
6875	CakSNP6875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36537124	(C/T)
6876	CakSNP6876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36537170	(C/T)
6877	CakSNP6877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36541088	(G/T)
6878	CakSNP6878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36541087	(T/C)
6879	CakSNP6879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36541083	(A/C)
6880	CakSNP6880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36639333	(A/T)
6881	CakSNP6881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36639382	(T/C)
6882	CakSNP6882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36639474	(G/C)
6883	CakSNP6883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36673677	(C/A)
6884	CakSNP6884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36682215	(G/A)
6885	CakSNP6885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36682213	(C/T)
6886	CakSNP6886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36682211	(G/A)
6887	CakSNP6887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36682253	(T/G)
6888	CakSNP6888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36682231	(G/T)
6889	CakSNP6889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36709731	(G/A)
6890	CakSNP6890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754121	(T/C)
6891	CakSNP6891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754149	(G/A)
6892	CakSNP6892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754290	(T/A)
6893	CakSNP6893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754378	(C/T)
6894	CakSNP6894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754377	(T/A)
6895	CakSNP6895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754348	(C/T)
6896	CakSNP6896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754343	(A/C)
6897	CakSNP6897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754327	(G/A)
6898	CakSNP6898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754468	(G/A)
6899	CakSNP6899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36754453	(A/G)
6900	CakSNP6900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36799551	(C/T)
6901	CakSNP6901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36831035	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6902	CakSNP6902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36831199	(G/A)
6903	CakSNP6903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36831267	(A/C)
6904	CakSNP6904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36955706	(G/T)
6905	CakSNP6905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36977192	(C/T)
6906	CakSNP6906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36977194	(G/A)
6907	CakSNP6907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36979866	(T/G)
6908	CakSNP6908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36979926	(G/T)
6909	CakSNP6909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36979879	(C/T)
6910	CakSNP6910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36982955	(A/G)
6911	CakSNP6911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36984727	(C/G)
6912	CakSNP6912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36984829	(C/T)
6913	CakSNP6913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36984795	(T/A)
6914	CakSNP6914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36998201	(A/C)
6915	CakSNP6915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	36998209	(C/T)
6916	CakSNP6916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37064588	(A/G)
6917	CakSNP6917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37064630	(G/A)
6918	CakSNP6918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37185576	(T/A)
6919	CakSNP6919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37185577	(T/A)
6920	CakSNP6920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37185578	(T/A)
6921	CakSNP6921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37237211	(G/A)
6922	CakSNP6922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37237276	(T/C)
6923	CakSNP6923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37241235	(A/G)
6924	CakSNP6924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37241262	(G/A)
6925	CakSNP6925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37260697	(T/C)
6926	CakSNP6926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37260873	(A/G)
6927	CakSNP6927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37260841	(T/A)
6928	CakSNP6928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37264628	(G/A)
6929	CakSNP6929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37286591	(T/A)
6930	CakSNP6930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37286625	(C/A)
6931	CakSNP6931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37286632	(G/A)
6932	CakSNP6932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37286663	(A/G)
6933	CakSNP6933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37293752	(G/A)
6934	CakSNP6934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37293780	(T/A)
6935	CakSNP6935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37293773	(A/T)
6936	CakSNP6936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37293769	(C/A)
6937	CakSNP6937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37294720	(A/G)
6938	CakSNP6938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37316574	(T/A)
6939	CakSNP6939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37316748	(T/A)
6940	CakSNP6940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37316738	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6941	CakSNP6941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37316713	(A/T)
6942	CakSNP6942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37316700	(C/A)
6943	CakSNP6943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349071	(T/C)
6944	CakSNP6944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349212	(A/C)
6945	CakSNP6945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349239	(C/G)
6946	CakSNP6946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349304	(T/C)
6947	CakSNP6947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349331	(C/T)
6948	CakSNP6948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37349321	(T/C)
6949	CakSNP6949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37356865	(C/A)
6950	CakSNP6950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37356889	(C/T)
6951	CakSNP6951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37356892	(C/T)
6952	CakSNP6952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37356919	(A/T)
6953	CakSNP6953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37356951	(C/T)
6954	CakSNP6954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37364980	(G/A)
6955	CakSNP6955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37365020	(C/T)
6956	CakSNP6956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37371262	(G/A)
6957	CakSNP6957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37371263	(G/A)
6958	CakSNP6958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37433459	(G/T)
6959	CakSNP6959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37450206	(A/C)
6960	CakSNP6960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37450326	(A/T)
6961	CakSNP6961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37450308	(C/T)
6962	CakSNP6962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37450294	(T/C)
6963	CakSNP6963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37453497	(C/G)
6964	CakSNP6964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37453449	(A/G)
6965	CakSNP6965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37453590	(C/A)
6966	CakSNP6966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37453586	(C/A)
6967	CakSNP6967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37454296	(A/G)
6968	CakSNP6968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37492422	(C/A)
6969	CakSNP6969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37549883	(T/C)
6970	CakSNP6970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37549871	(A/T)
6971	CakSNP6971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37550122	(G/A)
6972	CakSNP6972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37552973	(C/T)
6973	CakSNP6973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37558880	(C/T)
6974	CakSNP6974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37558881	(G/T)
6975	CakSNP6975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37575636	(T/C)
6976	CakSNP6976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37575670	(C/T)
6977	CakSNP6977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37575709	(C/T)
6978	CakSNP6978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37612154	(A/G)
6979	CakSNP6979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37630404	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
6980	CakSNP6980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37630445	(A/G)
6981	CakSNP6981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37630527	(G/A)
6982	CakSNP6982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37630520	(G/C)
6983	CakSNP6983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37634624	(C/T)
6984	CakSNP6984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37635300	(T/A)
6985	CakSNP6985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37685824	(T/C)
6986	CakSNP6986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37685842	(T/G)
6987	CakSNP6987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37699176	(G/A)
6988	CakSNP6988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37699141	(T/G)
6989	CakSNP6989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37699140	(C/T)
6990	CakSNP6990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37703656	(G/T)
6991	CakSNP6991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37703653	(A/C)
6992	CakSNP6992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37703651	(T/C)
6993	CakSNP6993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37703649	(A/C)
6994	CakSNP6994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37703648	(C/T)
6995	CakSNP6995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37707115	(G/A)
6996	CakSNP6996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37708260	(A/G)
6997	CakSNP6997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37708348	(T/G)
6998	CakSNP6998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37708334	(T/A)
6999	CakSNP6999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37753479	(C/T)
7000	CakSNP7000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37806689	(T/C)
7001	CakSNP7001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37812917	(G/C)
7002	CakSNP7002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37859069	(T/G)
7003	CakSNP7003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37897261	(G/T)
7004	CakSNP7004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37897266	(A/T)
7005	CakSNP7005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37897351	(C/A)
7006	CakSNP7006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37898404	(A/G)
7007	CakSNP7007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37899597	(C/T)
7008	CakSNP7008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37901584	(C/T)
7009	CakSNP7009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	37901575	(G/A)
7010	CakSNP7010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008062	(T/A)
7011	CakSNP7011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008082	(T/C)
7012	CakSNP7012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008243	(C/T)
7013	CakSNP7013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008227	(G/T)
7014	CakSNP7014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008213	(C/T)
7015	CakSNP7015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008205	(A/G)
7016	CakSNP7016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008204	(G/A)
7017	CakSNP7017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008186	(A/C)
7018	CakSNP7018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38008174	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7019	CakSNP7019	Kabuli	Ca_Kabuli_Chr04	38027560	(G/A)
7020	CakSNP7020	Kabuli	Ca_Kabuli_Chr04	38029012	(T/C)
7021	CakSNP7021	Kabuli	Ca_Kabuli_Chr04	38029050	(G/A)
7022	CakSNP7022	Kabuli	Ca_Kabuli_Chr04	38029136	(G/T)
7023	CakSNP7023	Kabuli	Ca_Kabuli_Chr04	38038865	(C/T)
7024	CakSNP7024	Kabuli	Ca_Kabuli_Chr04	38038959	(A/G)
7025	CakSNP7025	Kabuli	Ca_Kabuli_Chr04	38039037	(T/C)
7026	CakSNP7026	Kabuli	Ca_Kabuli_Chr04	38039046	(C/T)
7027	CakSNP7027	Kabuli	Ca_Kabuli_Chr04	38039076	(A/G)
7028	CakSNP7028	Kabuli	Ca_Kabuli_Chr04	38039088	(T/C)
7029	CakSNP7029	Kabuli	Ca_Kabuli_Chr04	38039251	(G/C)
7030	CakSNP7030	Kabuli	Ca_Kabuli_Chr04	38039289	(G/A)
7031	CakSNP7031	Kabuli	Ca_Kabuli_Chr04	38039297	(C/T)
7032	CakSNP7032	Kabuli	Ca_Kabuli_Chr04	38039313	(G/A)
7033	CakSNP7033	Kabuli	Ca_Kabuli_Chr04	38039371	(T/C)
7034	CakSNP7034	Kabuli	Ca_Kabuli_Chr04	38153183	(C/A)
7035	CakSNP7035	Kabuli	Ca_Kabuli_Chr04	38153195	(T/C)
7036	CakSNP7036	Kabuli	Ca_Kabuli_Chr04	38153216	(T/C)
7037	CakSNP7037	Kabuli	Ca_Kabuli_Chr04	38153277	(A/G)
7038	CakSNP7038	Kabuli	Ca_Kabuli_Chr04	38153275	(C/A)
7039	CakSNP7039	Kabuli	Ca_Kabuli_Chr04	38153269	(A/C)
7040	CakSNP7040	Kabuli	Ca_Kabuli_Chr04	38179583	(A/C)
7041	CakSNP7041	Kabuli	Ca_Kabuli_Chr04	38179614	(G/C)
7042	CakSNP7042	Kabuli	Ca_Kabuli_Chr04	38181292	(G/A)
7043	CakSNP7043	Kabuli	Ca_Kabuli_Chr04	38195411	(T/A)
7044	CakSNP7044	Kabuli	Ca_Kabuli_Chr04	38195438	(C/T)
7045	CakSNP7045	Kabuli	Ca_Kabuli_Chr04	38215267	(G/A)
7046	CakSNP7046	Kabuli	Ca_Kabuli_Chr04	38221009	(A/G)
7047	CakSNP7047	Kabuli	Ca_Kabuli_Chr04	38288823	(G/T)
7048	CakSNP7048	Kabuli	Ca_Kabuli_Chr04	38288877	(C/G)
7049	CakSNP7049	Kabuli	Ca_Kabuli_Chr04	38289066	(G/A)
7050	CakSNP7050	Kabuli	Ca_Kabuli_Chr04	38289052	(G/A)
7051	CakSNP7051	Kabuli	Ca_Kabuli_Chr04	38288997	(T/A)
7052	CakSNP7052	Kabuli	Ca_Kabuli_Chr04	38343633	(A/T)
7053	CakSNP7053	Kabuli	Ca_Kabuli_Chr04	38343750	(C/T)
7054	CakSNP7054	Kabuli	Ca_Kabuli_Chr04	38343687	(C/T)
7055	CakSNP7055	Kabuli	Ca_Kabuli_Chr04	38358067	(A/G)
7056	CakSNP7056	Kabuli	Ca_Kabuli_Chr04	38358398	(A/G)
7057	CakSNP7057	Kabuli	Ca_Kabuli_Chr04	38358677	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7058	CakSNP7058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38358887	(G/A)
7059	CakSNP7059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38358869	(G/A)
7060	CakSNP7060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38362132	(T/A)
7061	CakSNP7061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38362139	(T/A)
7062	CakSNP7062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38364369	(C/T)
7063	CakSNP7063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370848	(A/G)
7064	CakSNP7064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370864	(G/A)
7065	CakSNP7065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370941	(A/G)
7066	CakSNP7066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370930	(C/T)
7067	CakSNP7067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370926	(T/C)
7068	CakSNP7068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370925	(G/A)
7069	CakSNP7069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370922	(G/A)
7070	CakSNP7070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38370921	(T/G)
7071	CakSNP7071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38382809	(T/C)
7072	CakSNP7072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38382890	(C/G)
7073	CakSNP7073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38421798	(A/C)
7074	CakSNP7074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38422037	(C/T)
7075	CakSNP7075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38421984	(C/T)
7076	CakSNP7076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38425675	(A/G)
7077	CakSNP7077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38425720	(T/A)
7078	CakSNP7078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38473540	(A/G)
7079	CakSNP7079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38473653	(T/C)
7080	CakSNP7080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38474123	(A/T)
7081	CakSNP7081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38474108	(T/C)
7082	CakSNP7082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38474192	(T/C)
7083	CakSNP7083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475310	(A/C)
7084	CakSNP7084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475425	(A/G)
7085	CakSNP7085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475449	(T/A)
7086	CakSNP7086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475442	(A/G)
7087	CakSNP7087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475424	(C/G)
7088	CakSNP7088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38475547	(C/T)
7089	CakSNP7089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38540201	(C/T)
7090	CakSNP7090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38540236	(C/T)
7091	CakSNP7091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38540247	(G/A)
7092	CakSNP7092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38620579	(C/T)
7093	CakSNP7093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38620620	(A/T)
7094	CakSNP7094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38659377	(T/C)
7095	CakSNP7095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38659398	(G/A)
7096	CakSNP7096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38659534	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7097	CakSNP7097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38679987	(A/G)
7098	CakSNP7098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38721154	(A/G)
7099	CakSNP7099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38721160	(A/G)
7100	CakSNP7100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38721207	(A/C)
7101	CakSNP7101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38756507	(T/C)
7102	CakSNP7102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38756510	(C/G)
7103	CakSNP7103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38759640	(A/C)
7104	CakSNP7104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770348	(T/A)
7105	CakSNP7105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770370	(G/C)
7106	CakSNP7106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770450	(C/G)
7107	CakSNP7107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770510	(G/A)
7108	CakSNP7108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770606	(G/A)
7109	CakSNP7109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38770582	(G/A)
7110	CakSNP7110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38785535	(G/A)
7111	CakSNP7111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38829959	(T/G)
7112	CakSNP7112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38833304	(C/A)
7113	CakSNP7113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38833280	(C/T)
7114	CakSNP7114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38833333	(A/C)
7115	CakSNP7115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38833414	(A/C)
7116	CakSNP7116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834383	(G/A)
7117	CakSNP7117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834405	(G/A)
7118	CakSNP7118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834423	(G/C)
7119	CakSNP7119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834431	(G/A)
7120	CakSNP7120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834448	(A/T)
7121	CakSNP7121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834477	(A/G)
7122	CakSNP7122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834474	(G/A)
7123	CakSNP7123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38834453	(C/T)
7124	CakSNP7124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38888779	(C/T)
7125	CakSNP7125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38888791	(G/C)
7126	CakSNP7126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38889023	(C/T)
7127	CakSNP7127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918394	(A/T)
7128	CakSNP7128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918424	(G/A)
7129	CakSNP7129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918430	(C/A)
7130	CakSNP7130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918628	(C/T)
7131	CakSNP7131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918547	(T/C)
7132	CakSNP7132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38918649	(G/C)
7133	CakSNP7133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38929681	(A/G)
7134	CakSNP7134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38948414	(C/A)
7135	CakSNP7135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38961521	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7136	CakSNP7136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	38978462	(A/G)
7137	CakSNP7137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39031801	(C/T)
7138	CakSNP7138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39031823	(G/A)
7139	CakSNP7139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39042938	(T/G)
7140	CakSNP7140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39042921	(T/C)
7141	CakSNP7141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39057991	(T/C)
7142	CakSNP7142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39058011	(G/C)
7143	CakSNP7143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39081951	(A/G)
7144	CakSNP7144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39110408	(T/C)
7145	CakSNP7145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39110448	(A/G)
7146	CakSNP7146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39110735	(A/G)
7147	CakSNP7147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39113309	(T/C)
7148	CakSNP7148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39113327	(G/A)
7149	CakSNP7149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39113330	(G/A)
7150	CakSNP7150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39113401	(A/T)
7151	CakSNP7151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39114000	(A/C)
7152	CakSNP7152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39136826	(C/T)
7153	CakSNP7153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39189012	(A/G)
7154	CakSNP7154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39189016	(G/A)
7155	CakSNP7155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39268505	(T/C)
7156	CakSNP7156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39306900	(G/A)
7157	CakSNP7157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39635746	(T/A)
7158	CakSNP7158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39635721	(A/G)
7159	CakSNP7159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39635720	(G/A)
7160	CakSNP7160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39635718	(C/T)
7161	CakSNP7161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39650872	(T/C)
7162	CakSNP7162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39659757	(C/T)
7163	CakSNP7163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39659750	(G/A)
7164	CakSNP7164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39659832	(C/T)
7165	CakSNP7165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39715087	(A/G)
7166	CakSNP7166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39719606	(C/G)
7167	CakSNP7167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39719747	(G/T)
7168	CakSNP7168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39779796	(G/A)
7169	CakSNP7169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39803305	(T/C)
7170	CakSNP7170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39849612	(G/T)
7171	CakSNP7171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39849657	(G/A)
7172	CakSNP7172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	39964930	(T/C)
7173	CakSNP7173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40010119	(A/C)
7174	CakSNP7174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40010201	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7175	CakSNP7175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40010177	(G/A)
7176	CakSNP7176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40010165	(A/C)
7177	CakSNP7177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40059880	(C/T)
7178	CakSNP7178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40060022	(C/T)
7179	CakSNP7179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40060063	(T/G)
7180	CakSNP7180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40061195	(T/C)
7181	CakSNP7181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40061262	(A/C)
7182	CakSNP7182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40065505	(T/A)
7183	CakSNP7183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40134460	(A/G)
7184	CakSNP7184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40134518	(T/C)
7185	CakSNP7185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40149064	(C/T)
7186	CakSNP7186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40149132	(G/C)
7187	CakSNP7187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40149324	(G/C)
7188	CakSNP7188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40169176	(T/G)
7189	CakSNP7189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40185606	(A/G)
7190	CakSNP7190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40199692	(A/C)
7191	CakSNP7191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40218375	(G/T)
7192	CakSNP7192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40218410	(G/A)
7193	CakSNP7193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40267713	(G/T)
7194	CakSNP7194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40267719	(G/A)
7195	CakSNP7195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40279513	(G/T)
7196	CakSNP7196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40313721	(A/G)
7197	CakSNP7197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40349170	(C/T)
7198	CakSNP7198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40368028	(C/T)
7199	CakSNP7199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40368278	(T/C)
7200	CakSNP7200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40368765	(G/A)
7201	CakSNP7201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40375386	(C/T)
7202	CakSNP7202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40375361	(A/G)
7203	CakSNP7203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40429387	(G/A)
7204	CakSNP7204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40471412	(G/C)
7205	CakSNP7205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40472097	(A/G)
7206	CakSNP7206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40513733	(C/T)
7207	CakSNP7207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583205	(G/T)
7208	CakSNP7208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583206	(A/T)
7209	CakSNP7209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583211	(G/T)
7210	CakSNP7210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583214	(G/A)
7211	CakSNP7211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583216	(C/A)
7212	CakSNP7212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583217	(G/A)
7213	CakSNP7213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40583219	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7214	CakSNP7214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40597192	(G/A)
7215	CakSNP7215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40597534	(A/G)
7216	CakSNP7216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40597464	(G/A)
7217	CakSNP7217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40723208	(C/G)
7218	CakSNP7218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40723212	(G/A)
7219	CakSNP7219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40734572	(T/G)
7220	CakSNP7220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40734765	(G/A)
7221	CakSNP7221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40738927	(C/T)
7222	CakSNP7222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40795060	(G/A)
7223	CakSNP7223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40795085	(C/G)
7224	CakSNP7224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40795137	(T/G)
7225	CakSNP7225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40801783	(T/C)
7226	CakSNP7226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40801791	(C/G)
7227	CakSNP7227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40805740	(C/A)
7228	CakSNP7228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40806993	(A/G)
7229	CakSNP7229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40839967	(G/A)
7230	CakSNP7230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40839949	(G/A)
7231	CakSNP7231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40852381	(A/C)
7232	CakSNP7232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40852475	(T/C)
7233	CakSNP7233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40912677	(A/G)
7234	CakSNP7234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40912681	(A/G)
7235	CakSNP7235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40912714	(C/G)
7236	CakSNP7236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40912731	(C/T)
7237	CakSNP7237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40917776	(C/A)
7238	CakSNP7238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40917777	(T/A)
7239	CakSNP7239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40917807	(C/T)
7240	CakSNP7240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	40941283	(A/G)
7241	CakSNP7241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41032564	(A/G)
7242	CakSNP7242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41032590	(C/A)
7243	CakSNP7243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41032599	(T/C)
7244	CakSNP7244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41032608	(T/C)
7245	CakSNP7245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41070048	(C/G)
7246	CakSNP7246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41070017	(T/A)
7247	CakSNP7247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41094082	(T/C)
7248	CakSNP7248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41094554	(A/C)
7249	CakSNP7249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41094685	(G/C)
7250	CakSNP7250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41117822	(C/A)
7251	CakSNP7251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41141086	(G/T)
7252	CakSNP7252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	41142299	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7253	CakSNP7253	Kabuli	Ca_Kabuli_Chr04	41142290	(A/G)
7254	CakSNP7254	Kabuli	Ca_Kabuli_Chr04	41142288	(T/C)
7255	CakSNP7255	Kabuli	Ca_Kabuli_Chr04	41144277	(T/A)
7256	CakSNP7256	Kabuli	Ca_Kabuli_Chr04	41145767	(C/T)
7257	CakSNP7257	Kabuli	Ca_Kabuli_Chr04	41145875	(G/A)
7258	CakSNP7258	Kabuli	Ca_Kabuli_Chr04	41207328	(C/T)
7259	CakSNP7259	Kabuli	Ca_Kabuli_Chr04	41207356	(C/T)
7260	CakSNP7260	Kabuli	Ca_Kabuli_Chr04	41207392	(T/G)
7261	CakSNP7261	Kabuli	Ca_Kabuli_Chr04	41207354	(A/C)
7262	CakSNP7262	Kabuli	Ca_Kabuli_Chr04	41209521	(T/G)
7263	CakSNP7263	Kabuli	Ca_Kabuli_Chr04	41209711	(C/A)
7264	CakSNP7264	Kabuli	Ca_Kabuli_Chr04	41215850	(A/C)
7265	CakSNP7265	Kabuli	Ca_Kabuli_Chr04	41228918	(T/C)
7266	CakSNP7266	Kabuli	Ca_Kabuli_Chr04	41229605	(C/T)
7267	CakSNP7267	Kabuli	Ca_Kabuli_Chr04	41277786	(G/A)
7268	CakSNP7268	Kabuli	Ca_Kabuli_Chr04	41277799	(T/G)
7269	CakSNP7269	Kabuli	Ca_Kabuli_Chr04	41292152	(T/C)
7270	CakSNP7270	Kabuli	Ca_Kabuli_Chr04	41319598	(T/C)
7271	CakSNP7271	Kabuli	Ca_Kabuli_Chr04	41319610	(G/A)
7272	CakSNP7272	Kabuli	Ca_Kabuli_Chr04	41344739	(A/T)
7273	CakSNP7273	Kabuli	Ca_Kabuli_Chr04	41427081	(A/T)
7274	CakSNP7274	Kabuli	Ca_Kabuli_Chr04	41427086	(C/A)
7275	CakSNP7275	Kabuli	Ca_Kabuli_Chr04	41427093	(T/G)
7276	CakSNP7276	Kabuli	Ca_Kabuli_Chr04	41445171	(T/C)
7277	CakSNP7277	Kabuli	Ca_Kabuli_Chr04	41445212	(A/G)
7278	CakSNP7278	Kabuli	Ca_Kabuli_Chr04	41445225	(A/T)
7279	CakSNP7279	Kabuli	Ca_Kabuli_Chr04	41445242	(C/T)
7280	CakSNP7280	Kabuli	Ca_Kabuli_Chr04	41458426	(A/G)
7281	CakSNP7281	Kabuli	Ca_Kabuli_Chr04	41500284	(A/C)
7282	CakSNP7282	Kabuli	Ca_Kabuli_Chr04	41500286	(A/G)
7283	CakSNP7283	Kabuli	Ca_Kabuli_Chr04	41512840	(G/A)
7284	CakSNP7284	Kabuli	Ca_Kabuli_Chr04	41568682	(A/C)
7285	CakSNP7285	Kabuli	Ca_Kabuli_Chr04	41629852	(T/A)
7286	CakSNP7286	Kabuli	Ca_Kabuli_Chr04	41648927	(C/T)
7287	CakSNP7287	Kabuli	Ca_Kabuli_Chr04	41648998	(A/G)
7288	CakSNP7288	Kabuli	Ca_Kabuli_Chr04	41675299	(A/T)
7289	CakSNP7289	Kabuli	Ca_Kabuli_Chr04	41698291	(A/G)
7290	CakSNP7290	Kabuli	Ca_Kabuli_Chr04	41698386	(A/G)
7291	CakSNP7291	Kabuli	Ca_Kabuli_Chr04	41700712	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7292	CakSNP7292	Kabuli	Ca_Kabuli_Chr04	41721289	(G/A)
7293	CakSNP7293	Kabuli	Ca_Kabuli_Chr04	41772690	(C/T)
7294	CakSNP7294	Kabuli	Ca_Kabuli_Chr04	41772823	(G/A)
7295	CakSNP7295	Kabuli	Ca_Kabuli_Chr04	41772796	(T/A)
7296	CakSNP7296	Kabuli	Ca_Kabuli_Chr04	41772794	(T/C)
7297	CakSNP7297	Kabuli	Ca_Kabuli_Chr04	41864826	(G/A)
7298	CakSNP7298	Kabuli	Ca_Kabuli_Chr04	41864846	(C/G)
7299	CakSNP7299	Kabuli	Ca_Kabuli_Chr04	41938784	(A/G)
7300	CakSNP7300	Kabuli	Ca_Kabuli_Chr04	41938812	(T/G)
7301	CakSNP7301	Kabuli	Ca_Kabuli_Chr04	41956050	(C/G)
7302	CakSNP7302	Kabuli	Ca_Kabuli_Chr04	41956085	(T/C)
7303	CakSNP7303	Kabuli	Ca_Kabuli_Chr04	41987193	(A/G)
7304	CakSNP7304	Kabuli	Ca_Kabuli_Chr04	42056479	(G/A)
7305	CakSNP7305	Kabuli	Ca_Kabuli_Chr04	42092379	(T/G)
7306	CakSNP7306	Kabuli	Ca_Kabuli_Chr04	42092381	(A/G)
7307	CakSNP7307	Kabuli	Ca_Kabuli_Chr04	42092385	(G/A)
7308	CakSNP7308	Kabuli	Ca_Kabuli_Chr04	42105737	(C/T)
7309	CakSNP7309	Kabuli	Ca_Kabuli_Chr04	42105701	(A/T)
7310	CakSNP7310	Kabuli	Ca_Kabuli_Chr04	42108980	(C/A)
7311	CakSNP7311	Kabuli	Ca_Kabuli_Chr04	42246499	(C/T)
7312	CakSNP7312	Kabuli	Ca_Kabuli_Chr04	42246527	(C/A)
7313	CakSNP7313	Kabuli	Ca_Kabuli_Chr04	42246565	(T/G)
7314	CakSNP7314	Kabuli	Ca_Kabuli_Chr04	42246566	(T/G)
7315	CakSNP7315	Kabuli	Ca_Kabuli_Chr04	42246572	(T/G)
7316	CakSNP7316	Kabuli	Ca_Kabuli_Chr04	42246653	(C/G)
7317	CakSNP7317	Kabuli	Ca_Kabuli_Chr04	42273252	(G/A)
7318	CakSNP7318	Kabuli	Ca_Kabuli_Chr04	42353949	(C/T)
7319	CakSNP7319	Kabuli	Ca_Kabuli_Chr04	42499699	(A/T)
7320	CakSNP7320	Kabuli	Ca_Kabuli_Chr04	42603642	(T/C)
7321	CakSNP7321	Kabuli	Ca_Kabuli_Chr04	42768142	(T/G)
7322	CakSNP7322	Kabuli	Ca_Kabuli_Chr04	42807483	(G/A)
7323	CakSNP7323	Kabuli	Ca_Kabuli_Chr04	42807518	(A/G)
7324	CakSNP7324	Kabuli	Ca_Kabuli_Chr04	42807509	(C/T)
7325	CakSNP7325	Kabuli	Ca_Kabuli_Chr04	43319846	(A/G)
7326	CakSNP7326	Kabuli	Ca_Kabuli_Chr04	43324547	(G/C)
7327	CakSNP7327	Kabuli	Ca_Kabuli_Chr04	43431770	(C/T)
7328	CakSNP7328	Kabuli	Ca_Kabuli_Chr04	43431772	(T/A)
7329	CakSNP7329	Kabuli	Ca_Kabuli_Chr04	43431815	(G/T)
7330	CakSNP7330	Kabuli	Ca_Kabuli_Chr04	43446753	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7331	CakSNP7331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43447262	(A/T)
7332	CakSNP7332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43476193	(T/C)
7333	CakSNP7333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43653225	(A/G)
7334	CakSNP7334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43653226	(C/T)
7335	CakSNP7335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43662224	(A/C)
7336	CakSNP7336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43677006	(T/G)
7337	CakSNP7337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43677222	(C/T)
7338	CakSNP7338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43722728	(T/C)
7339	CakSNP7339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43722727	(A/G)
7340	CakSNP7340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43722704	(C/G)
7341	CakSNP7341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43723219	(T/G)
7342	CakSNP7342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43723224	(C/A)
7343	CakSNP7343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43723248	(T/C)
7344	CakSNP7344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43726406	(C/T)
7345	CakSNP7345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43729063	(G/T)
7346	CakSNP7346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43729261	(C/G)
7347	CakSNP7347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43729266	(A/G)
7348	CakSNP7348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43807399	(C/T)
7349	CakSNP7349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43807460	(C/T)
7350	CakSNP7350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43840666	(C/G)
7351	CakSNP7351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43840650	(C/T)
7352	CakSNP7352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	43979065	(A/G)
7353	CakSNP7353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44008835	(T/C)
7354	CakSNP7354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44059060	(C/T)
7355	CakSNP7355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44059061	(G/A)
7356	CakSNP7356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44067780	(G/A)
7357	CakSNP7357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44090929	(T/G)
7358	CakSNP7358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44186434	(C/G)
7359	CakSNP7359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44239783	(A/C)
7360	CakSNP7360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44239883	(A/T)
7361	CakSNP7361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44250159	(C/T)
7362	CakSNP7362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44261184	(A/C)
7363	CakSNP7363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44261909	(T/A)
7364	CakSNP7364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44266692	(T/A)
7365	CakSNP7365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44266695	(G/A)
7366	CakSNP7366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44266758	(C/T)
7367	CakSNP7367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44266819	(G/A)
7368	CakSNP7368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44353354	(C/T)
7369	CakSNP7369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44353343	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7370	CakSNP7370	Kabuli	Ca_Kabuli_Chr04	44375761	(T/C)
7371	CakSNP7371	Kabuli	Ca_Kabuli_Chr04	44375831	(T/C)
7372	CakSNP7372	Kabuli	Ca_Kabuli_Chr04	44382515	(A/G)
7373	CakSNP7373	Kabuli	Ca_Kabuli_Chr04	44382677	(C/T)
7374	CakSNP7374	Kabuli	Ca_Kabuli_Chr04	44382671	(C/G)
7375	CakSNP7375	Kabuli	Ca_Kabuli_Chr04	44382614	(C/A)
7376	CakSNP7376	Kabuli	Ca_Kabuli_Chr04	44382602	(A/G)
7377	CakSNP7377	Kabuli	Ca_Kabuli_Chr04	44386579	(A/G)
7378	CakSNP7378	Kabuli	Ca_Kabuli_Chr04	44431319	(A/C)
7379	CakSNP7379	Kabuli	Ca_Kabuli_Chr04	44431353	(G/A)
7380	CakSNP7380	Kabuli	Ca_Kabuli_Chr04	44439372	(C/T)
7381	CakSNP7381	Kabuli	Ca_Kabuli_Chr04	44439503	(C/A)
7382	CakSNP7382	Kabuli	Ca_Kabuli_Chr04	44439495	(G/A)
7383	CakSNP7383	Kabuli	Ca_Kabuli_Chr04	44439493	(A/G)
7384	CakSNP7384	Kabuli	Ca_Kabuli_Chr04	44439492	(G/T)
7385	CakSNP7385	Kabuli	Ca_Kabuli_Chr04	44439448	(T/C)
7386	CakSNP7386	Kabuli	Ca_Kabuli_Chr04	44446468	(G/A)
7387	CakSNP7387	Kabuli	Ca_Kabuli_Chr04	44446575	(G/A)
7388	CakSNP7388	Kabuli	Ca_Kabuli_Chr04	44446506	(C/T)
7389	CakSNP7389	Kabuli	Ca_Kabuli_Chr04	44446503	(T/G)
7390	CakSNP7390	Kabuli	Ca_Kabuli_Chr04	44446497	(C/T)
7391	CakSNP7391	Kabuli	Ca_Kabuli_Chr04	44472282	(G/A)
7392	CakSNP7392	Kabuli	Ca_Kabuli_Chr04	44472278	(A/G)
7393	CakSNP7393	Kabuli	Ca_Kabuli_Chr04	44472237	(T/A)
7394	CakSNP7394	Kabuli	Ca_Kabuli_Chr04	44590652	(T/C)
7395	CakSNP7395	Kabuli	Ca_Kabuli_Chr04	44590678	(G/A)
7396	CakSNP7396	Kabuli	Ca_Kabuli_Chr04	44590697	(A/C)
7397	CakSNP7397	Kabuli	Ca_Kabuli_Chr04	44591405	(G/T)
7398	CakSNP7398	Kabuli	Ca_Kabuli_Chr04	44754355	(C/T)
7399	CakSNP7399	Kabuli	Ca_Kabuli_Chr04	44802374	(G/A)
7400	CakSNP7400	Kabuli	Ca_Kabuli_Chr04	44802364	(A/C)
7401	CakSNP7401	Kabuli	Ca_Kabuli_Chr04	44803694	(T/A)
7402	CakSNP7402	Kabuli	Ca_Kabuli_Chr04	44811519	(G/A)
7403	CakSNP7403	Kabuli	Ca_Kabuli_Chr04	44814857	(A/G)
7404	CakSNP7404	Kabuli	Ca_Kabuli_Chr04	44814981	(T/C)
7405	CakSNP7405	Kabuli	Ca_Kabuli_Chr04	44814982	(A/G)
7406	CakSNP7406	Kabuli	Ca_Kabuli_Chr04	44824103	(G/T)
7407	CakSNP7407	Kabuli	Ca_Kabuli_Chr04	44824105	(T/G)
7408	CakSNP7408	Kabuli	Ca_Kabuli_Chr04	44824178	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7409	CakSNP7409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44824258	(A/G)
7410	CakSNP7410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44832121	(G/C)
7411	CakSNP7411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44832144	(T/C)
7412	CakSNP7412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44906128	(C/A)
7413	CakSNP7413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44906255	(A/G)
7414	CakSNP7414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	44979108	(G/A)
7415	CakSNP7415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019764	(T/C)
7416	CakSNP7416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019778	(T/C)
7417	CakSNP7417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019787	(G/C)
7418	CakSNP7418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019805	(C/A)
7419	CakSNP7419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019807	(C/T)
7420	CakSNP7420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019814	(C/A)
7421	CakSNP7421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019820	(C/T)
7422	CakSNP7422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019824	(A/C)
7423	CakSNP7423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019867	(C/G)
7424	CakSNP7424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019858	(G/T)
7425	CakSNP7425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45019848	(C/T)
7426	CakSNP7426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45035589	(G/T)
7427	CakSNP7427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45035629	(A/C)
7428	CakSNP7428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45035745	(A/G)
7429	CakSNP7429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45067534	(C/T)
7430	CakSNP7430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45104767	(G/A)
7431	CakSNP7431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45104779	(C/A)
7432	CakSNP7432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45104805	(A/G)
7433	CakSNP7433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45141976	(C/A)
7434	CakSNP7434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45141990	(A/G)
7435	CakSNP7435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142020	(T/C)
7436	CakSNP7436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142009	(C/T)
7437	CakSNP7437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142003	(A/G)
7438	CakSNP7438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142077	(C/A)
7439	CakSNP7439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142087	(T/A)
7440	CakSNP7440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45142104	(T/C)
7441	CakSNP7441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45165191	(T/C)
7442	CakSNP7442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45165246	(C/G)
7443	CakSNP7443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45165240	(T/C)
7444	CakSNP7444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45165231	(A/C)
7445	CakSNP7445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45206203	(G/T)
7446	CakSNP7446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45206209	(G/C)
7447	CakSNP7447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45220084	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7448	CakSNP7448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45220642	(C/T)
7449	CakSNP7449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45220916	(T/C)
7450	CakSNP7450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225063	(T/C)
7451	CakSNP7451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225059	(G/A)
7452	CakSNP7452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45224997	(G/C)
7453	CakSNP7453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225077	(A/T)
7454	CakSNP7454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225093	(G/A)
7455	CakSNP7455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225145	(T/A)
7456	CakSNP7456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225154	(T/A)
7457	CakSNP7457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225155	(C/A)
7458	CakSNP7458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225210	(G/T)
7459	CakSNP7459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225193	(A/G)
7460	CakSNP7460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45225165	(T/C)
7461	CakSNP7461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45231839	(T/C)
7462	CakSNP7462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45231867	(A/T)
7463	CakSNP7463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45231868	(C/A)
7464	CakSNP7464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45231893	(G/T)
7465	CakSNP7465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45292852	(G/T)
7466	CakSNP7466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45292918	(T/G)
7467	CakSNP7467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45292981	(G/T)
7468	CakSNP7468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45292969	(T/A)
7469	CakSNP7469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45292960	(A/T)
7470	CakSNP7470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45552675	(C/A)
7471	CakSNP7471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45595233	(G/A)
7472	CakSNP7472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45612178	(T/G)
7473	CakSNP7473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45615465	(C/T)
7474	CakSNP7474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45615457	(C/T)
7475	CakSNP7475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45615452	(A/C)
7476	CakSNP7476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45615401	(T/G)
7477	CakSNP7477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45646003	(A/G)
7478	CakSNP7478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45645996	(A/G)
7479	CakSNP7479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45645957	(A/C)
7480	CakSNP7480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45708895	(C/A)
7481	CakSNP7481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45735754	(G/C)
7482	CakSNP7482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45735819	(T/C)
7483	CakSNP7483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45751623	(G/A)
7484	CakSNP7484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45751618	(C/T)
7485	CakSNP7485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45752844	(G/A)
7486	CakSNP7486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45752869	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7487	CakSNP7487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45752874	(A/T)
7488	CakSNP7488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45782453	(A/T)
7489	CakSNP7489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45870087	(T/C)
7490	CakSNP7490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45870042	(C/T)
7491	CakSNP7491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45918351	(A/C)
7492	CakSNP7492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45935594	(A/C)
7493	CakSNP7493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45942252	(G/A)
7494	CakSNP7494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45942341	(T/C)
7495	CakSNP7495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	45942729	(G/A)
7496	CakSNP7496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46134302	(C/G)
7497	CakSNP7497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46140729	(A/T)
7498	CakSNP7498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46148985	(A/T)
7499	CakSNP7499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46149013	(A/G)
7500	CakSNP7500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46150670	(T/C)
7501	CakSNP7501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46202862	(A/G)
7502	CakSNP7502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46344790	(G/A)
7503	CakSNP7503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46344826	(A/G)
7504	CakSNP7504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46345042	(A/G)
7505	CakSNP7505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46402035	(G/A)
7506	CakSNP7506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46430326	(C/T)
7507	CakSNP7507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46430311	(C/A)
7508	CakSNP7508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46430288	(G/C)
7509	CakSNP7509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46605167	(A/G)
7510	CakSNP7510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46605131	(T/A)
7511	CakSNP7511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46612175	(G/A)
7512	CakSNP7512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46612197	(G/A)
7513	CakSNP7513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46612244	(C/T)
7514	CakSNP7514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46613068	(T/G)
7515	CakSNP7515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46694919	(T/A)
7516	CakSNP7516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46695043	(A/C)
7517	CakSNP7517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46695008	(T/C)
7518	CakSNP7518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46705181	(G/T)
7519	CakSNP7519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46705178	(A/T)
7520	CakSNP7520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46705225	(A/C)
7521	CakSNP7521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46713972	(C/T)
7522	CakSNP7522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46715350	(T/C)
7523	CakSNP7523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46715518	(G/C)
7524	CakSNP7524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46717155	(T/C)
7525	CakSNP7525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	46717153	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7526	CakSNP7526	Kabuli	Ca_Kabuli_Chr04	46717200	(C/T)
7527	CakSNP7527	Kabuli	Ca_Kabuli_Chr04	46717508	(G/A)
7528	CakSNP7528	Kabuli	Ca_Kabuli_Chr04	46763540	(C/T)
7529	CakSNP7529	Kabuli	Ca_Kabuli_Chr04	46763555	(C/T)
7530	CakSNP7530	Kabuli	Ca_Kabuli_Chr04	46763868	(T/C)
7531	CakSNP7531	Kabuli	Ca_Kabuli_Chr04	46763841	(A/C)
7532	CakSNP7532	Kabuli	Ca_Kabuli_Chr04	47223016	(T/C)
7533	CakSNP7533	Kabuli	Ca_Kabuli_Chr04	47223047	(A/G)
7534	CakSNP7534	Kabuli	Ca_Kabuli_Chr04	47223635	(G/A)
7535	CakSNP7535	Kabuli	Ca_Kabuli_Chr04	47223668	(T/G)
7536	CakSNP7536	Kabuli	Ca_Kabuli_Chr04	47296400	(C/T)
7537	CakSNP7537	Kabuli	Ca_Kabuli_Chr04	47379992	(C/T)
7538	CakSNP7538	Kabuli	Ca_Kabuli_Chr04	47405685	(T/A)
7539	CakSNP7539	Kabuli	Ca_Kabuli_Chr04	47419514	(A/G)
7540	CakSNP7540	Kabuli	Ca_Kabuli_Chr04	47419517	(C/T)
7541	CakSNP7541	Kabuli	Ca_Kabuli_Chr04	47428580	(C/T)
7542	CakSNP7542	Kabuli	Ca_Kabuli_Chr04	47428599	(C/T)
7543	CakSNP7543	Kabuli	Ca_Kabuli_Chr04	47428631	(A/G)
7544	CakSNP7544	Kabuli	Ca_Kabuli_Chr04	47428733	(A/G)
7545	CakSNP7545	Kabuli	Ca_Kabuli_Chr04	47440207	(G/A)
7546	CakSNP7546	Kabuli	Ca_Kabuli_Chr04	47450409	(C/T)
7547	CakSNP7547	Kabuli	Ca_Kabuli_Chr04	47450479	(C/G)
7548	CakSNP7548	Kabuli	Ca_Kabuli_Chr04	47562991	(A/T)
7549	CakSNP7549	Kabuli	Ca_Kabuli_Chr04	47572228	(G/A)
7550	CakSNP7550	Kabuli	Ca_Kabuli_Chr04	47572276	(C/T)
7551	CakSNP7551	Kabuli	Ca_Kabuli_Chr04	47578508	(C/T)
7552	CakSNP7552	Kabuli	Ca_Kabuli_Chr04	47578556	(T/G)
7553	CakSNP7553	Kabuli	Ca_Kabuli_Chr04	47578655	(C/T)
7554	CakSNP7554	Kabuli	Ca_Kabuli_Chr04	47578596	(C/T)
7555	CakSNP7555	Kabuli	Ca_Kabuli_Chr04	47588760	(G/A)
7556	CakSNP7556	Kabuli	Ca_Kabuli_Chr04	47612395	(C/A)
7557	CakSNP7557	Kabuli	Ca_Kabuli_Chr04	47612396	(G/T)
7558	CakSNP7558	Kabuli	Ca_Kabuli_Chr04	47615800	(G/C)
7559	CakSNP7559	Kabuli	Ca_Kabuli_Chr04	47616120	(C/T)
7560	CakSNP7560	Kabuli	Ca_Kabuli_Chr04	47616216	(A/G)
7561	CakSNP7561	Kabuli	Ca_Kabuli_Chr04	47622112	(G/T)
7562	CakSNP7562	Kabuli	Ca_Kabuli_Chr04	47675446	(A/G)
7563	CakSNP7563	Kabuli	Ca_Kabuli_Chr04	47675758	(A/T)
7564	CakSNP7564	Kabuli	Ca_Kabuli_Chr04	47675860	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7565	CakSNP7565	Kabuli	Ca_Kabuli_Chr04	47697239	(C/T)
7566	CakSNP7566	Kabuli	Ca_Kabuli_Chr04	47798580	(A/G)
7567	CakSNP7567	Kabuli	Ca_Kabuli_Chr04	47798622	(G/A)
7568	CakSNP7568	Kabuli	Ca_Kabuli_Chr04	47819943	(T/C)
7569	CakSNP7569	Kabuli	Ca_Kabuli_Chr04	48008987	(T/C)
7570	CakSNP7570	Kabuli	Ca_Kabuli_Chr04	48009201	(C/T)
7571	CakSNP7571	Kabuli	Ca_Kabuli_Chr04	48011446	(A/G)
7572	CakSNP7572	Kabuli	Ca_Kabuli_Chr04	48098570	(G/A)
7573	CakSNP7573	Kabuli	Ca_Kabuli_Chr04	48098562	(G/A)
7574	CakSNP7574	Kabuli	Ca_Kabuli_Chr04	48103202	(G/T)
7575	CakSNP7575	Kabuli	Ca_Kabuli_Chr04	48103196	(G/A)
7576	CakSNP7576	Kabuli	Ca_Kabuli_Chr04	48103159	(G/A)
7577	CakSNP7577	Kabuli	Ca_Kabuli_Chr04	48103153	(A/C)
7578	CakSNP7578	Kabuli	Ca_Kabuli_Chr04	48150277	(C/T)
7579	CakSNP7579	Kabuli	Ca_Kabuli_Chr04	48150481	(T/C)
7580	CakSNP7580	Kabuli	Ca_Kabuli_Chr04	48150480	(C/A)
7581	CakSNP7581	Kabuli	Ca_Kabuli_Chr04	48150553	(A/G)
7582	CakSNP7582	Kabuli	Ca_Kabuli_Chr04	48150641	(G/T)
7583	CakSNP7583	Kabuli	Ca_Kabuli_Chr04	48238919	(C/T)
7584	CakSNP7584	Kabuli	Ca_Kabuli_Chr04	48239048	(A/G)
7585	CakSNP7585	Kabuli	Ca_Kabuli_Chr04	48263603	(G/A)
7586	CakSNP7586	Kabuli	Ca_Kabuli_Chr04	48269138	(G/C)
7587	CakSNP7587	Kabuli	Ca_Kabuli_Chr04	48275016	(C/T)
7588	CakSNP7588	Kabuli	Ca_Kabuli_Chr04	48322502	(C/T)
7589	CakSNP7589	Kabuli	Ca_Kabuli_Chr04	48322507	(C/T)
7590	CakSNP7590	Kabuli	Ca_Kabuli_Chr04	48322633	(T/C)
7591	CakSNP7591	Kabuli	Ca_Kabuli_Chr04	48331069	(C/A)
7592	CakSNP7592	Kabuli	Ca_Kabuli_Chr04	48345604	(A/G)
7593	CakSNP7593	Kabuli	Ca_Kabuli_Chr04	48345608	(G/T)
7594	CakSNP7594	Kabuli	Ca_Kabuli_Chr04	48345655	(A/C)
7595	CakSNP7595	Kabuli	Ca_Kabuli_Chr04	48345697	(C/G)
7596	CakSNP7596	Kabuli	Ca_Kabuli_Chr04	48355358	(A/T)
7597	CakSNP7597	Kabuli	Ca_Kabuli_Chr04	48355468	(G/T)
7598	CakSNP7598	Kabuli	Ca_Kabuli_Chr04	48364170	(G/A)
7599	CakSNP7599	Kabuli	Ca_Kabuli_Chr04	48365208	(C/A)
7600	CakSNP7600	Kabuli	Ca_Kabuli_Chr04	48365388	(G/A)
7601	CakSNP7601	Kabuli	Ca_Kabuli_Chr04	48382666	(G/C)
7602	CakSNP7602	Kabuli	Ca_Kabuli_Chr04	48464493	(T/C)
7603	CakSNP7603	Kabuli	Ca_Kabuli_Chr04	48464434	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7604	CakSNP7604	Kabuli	Ca_Kabuli_Chr04	48470477	(A/G)
7605	CakSNP7605	Kabuli	Ca_Kabuli_Chr04	48475447	(T/C)
7606	CakSNP7606	Kabuli	Ca_Kabuli_Chr04	48475461	(G/A)
7607	CakSNP7607	Kabuli	Ca_Kabuli_Chr04	48478018	(A/G)
7608	CakSNP7608	Kabuli	Ca_Kabuli_Chr04	48478058	(T/C)
7609	CakSNP7609	Kabuli	Ca_Kabuli_Chr04	48478303	(G/A)
7610	CakSNP7610	Kabuli	Ca_Kabuli_Chr04	48478524	(C/T)
7611	CakSNP7611	Kabuli	Ca_Kabuli_Chr04	48484453	(A/T)
7612	CakSNP7612	Kabuli	Ca_Kabuli_Chr04	48497731	(A/C)
7613	CakSNP7613	Kabuli	Ca_Kabuli_Chr04	48497725	(A/C)
7614	CakSNP7614	Kabuli	Ca_Kabuli_Chr04	48497756	(A/G)
7615	CakSNP7615	Kabuli	Ca_Kabuli_Chr04	48497765	(G/A)
7616	CakSNP7616	Kabuli	Ca_Kabuli_Chr04	48497839	(G/A)
7617	CakSNP7617	Kabuli	Ca_Kabuli_Chr04	48498133	(C/T)
7618	CakSNP7618	Kabuli	Ca_Kabuli_Chr04	48498181	(G/C)
7619	CakSNP7619	Kabuli	Ca_Kabuli_Chr04	48498166	(A/G)
7620	CakSNP7620	Kabuli	Ca_Kabuli_Chr04	48498368	(C/T)
7621	CakSNP7621	Kabuli	Ca_Kabuli_Chr04	48498334	(T/G)
7622	CakSNP7622	Kabuli	Ca_Kabuli_Chr04	48498331	(T/A)
7623	CakSNP7623	Kabuli	Ca_Kabuli_Chr04	48498312	(T/C)
7624	CakSNP7624	Kabuli	Ca_Kabuli_Chr04	48501567	(G/T)
7625	CakSNP7625	Kabuli	Ca_Kabuli_Chr04	48501618	(C/A)
7626	CakSNP7626	Kabuli	Ca_Kabuli_Chr04	48501662	(A/T)
7627	CakSNP7627	Kabuli	Ca_Kabuli_Chr04	48502554	(G/T)
7628	CakSNP7628	Kabuli	Ca_Kabuli_Chr04	48502718	(G/C)
7629	CakSNP7629	Kabuli	Ca_Kabuli_Chr04	48502714	(T/C)
7630	CakSNP7630	Kabuli	Ca_Kabuli_Chr04	48502687	(G/A)
7631	CakSNP7631	Kabuli	Ca_Kabuli_Chr04	48591482	(T/G)
7632	CakSNP7632	Kabuli	Ca_Kabuli_Chr04	48591539	(T/C)
7633	CakSNP7633	Kabuli	Ca_Kabuli_Chr04	48591578	(T/C)
7634	CakSNP7634	Kabuli	Ca_Kabuli_Chr04	48591625	(G/T)
7635	CakSNP7635	Kabuli	Ca_Kabuli_Chr04	48678278	(T/C)
7636	CakSNP7636	Kabuli	Ca_Kabuli_Chr04	48678692	(T/C)
7637	CakSNP7637	Kabuli	Ca_Kabuli_Chr04	48688766	(A/G)
7638	CakSNP7638	Kabuli	Ca_Kabuli_Chr04	48705815	(C/T)
7639	CakSNP7639	Kabuli	Ca_Kabuli_Chr04	48705856	(A/T)
7640	CakSNP7640	Kabuli	Ca_Kabuli_Chr04	48705957	(C/T)
7641	CakSNP7641	Kabuli	Ca_Kabuli_Chr04	48714912	(G/A)
7642	CakSNP7642	Kabuli	Ca_Kabuli_Chr04	48715028	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7643	CakSNP7643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48720330	(C/T)
7644	CakSNP7644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48720266	(C/T)
7645	CakSNP7645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784151	(T/G)
7646	CakSNP7646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784176	(T/C)
7647	CakSNP7647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784178	(C/G)
7648	CakSNP7648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784179	(G/A)
7649	CakSNP7649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784189	(A/T)
7650	CakSNP7650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784202	(A/C)
7651	CakSNP7651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48784204	(G/C)
7652	CakSNP7652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48931112	(T/G)
7653	CakSNP7653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48931109	(A/G)
7654	CakSNP7654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48936643	(G/A)
7655	CakSNP7655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48936669	(G/A)
7656	CakSNP7656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48936710	(A/G)
7657	CakSNP7657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48936819	(C/T)
7658	CakSNP7658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48964200	(T/C)
7659	CakSNP7659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48964260	(G/C)
7660	CakSNP7660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	48964248	(C/T)
7661	CakSNP7661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	49012733	(T/A)
7662	CakSNP7662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr04</i>	49012756	(C/T)
7663	CakSNP7663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	95087	(G/A)
7664	CakSNP7664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	95253	(A/G)
7665	CakSNP7665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	131558	(A/C)
7666	CakSNP7666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	154084	(T/G)
7667	CakSNP7667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	154095	(C/G)
7668	CakSNP7668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	154097	(A/T)
7669	CakSNP7669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	154162	(C/T)
7670	CakSNP7670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	154128	(G/T)
7671	CakSNP7671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	166222	(T/G)
7672	CakSNP7672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	166217	(G/C)
7673	CakSNP7673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	166216	(T/G)
7674	CakSNP7674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	166341	(C/A)
7675	CakSNP7675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	166381	(A/G)
7676	CakSNP7676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	210625	(T/C)
7677	CakSNP7677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	210649	(C/A)
7678	CakSNP7678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	222651	(A/C)
7679	CakSNP7679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	222630	(A/G)
7680	CakSNP7680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	222641	(C/T)
7681	CakSNP7681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	222653	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7682	CakSNP7682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	222657	(G/A)
7683	CakSNP7683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	223384	(C/G)
7684	CakSNP7684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234247	(T/C)
7685	CakSNP7685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234319	(T/A)
7686	CakSNP7686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234311	(T/A)
7687	CakSNP7687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234310	(G/A)
7688	CakSNP7688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234305	(T/A)
7689	CakSNP7689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234303	(C/A)
7690	CakSNP7690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	234410	(A/C)
7691	CakSNP7691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	245850	(T/G)
7692	CakSNP7692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	245863	(A/T)
7693	CakSNP7693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	245896	(A/T)
7694	CakSNP7694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	246466	(A/T)
7695	CakSNP7695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	246654	(A/G)
7696	CakSNP7696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	256745	(G/A)
7697	CakSNP7697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	272972	(T/A)
7698	CakSNP7698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	277040	(G/A)
7699	CakSNP7699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	277316	(T/A)
7700	CakSNP7700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	343517	(C/T)
7701	CakSNP7701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	353792	(T/A)
7702	CakSNP7702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	438448	(C/A)
7703	CakSNP7703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	438445	(C/A)
7704	CakSNP7704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	438442	(T/C)
7705	CakSNP7705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	443309	(A/T)
7706	CakSNP7706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	469397	(G/A)
7707	CakSNP7707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	805859	(C/T)
7708	CakSNP7708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	805882	(A/T)
7709	CakSNP7709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	805883	(G/T)
7710	CakSNP7710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	805910	(G/A)
7711	CakSNP7711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	870867	(A/G)
7712	CakSNP7712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	870909	(G/A)
7713	CakSNP7713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	925554	(T/C)
7714	CakSNP7714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	925493	(T/C)
7715	CakSNP7715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1141755	(C/T)
7716	CakSNP7716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1220867	(A/G)
7717	CakSNP7717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1252394	(G/A)
7718	CakSNP7718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1252388	(A/T)
7719	CakSNP7719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1270830	(T/C)
7720	CakSNP7720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	1272581	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7721	CakSNP7721	Kabuli	Ca_Kabuli_Chr05	1280977	(T/G)
7722	CakSNP7722	Kabuli	Ca_Kabuli_Chr05	1281006	(A/C)
7723	CakSNP7723	Kabuli	Ca_Kabuli_Chr05	1281017	(G/A)
7724	CakSNP7724	Kabuli	Ca_Kabuli_Chr05	1281021	(C/T)
7725	CakSNP7725	Kabuli	Ca_Kabuli_Chr05	1534904	(C/T)
7726	CakSNP7726	Kabuli	Ca_Kabuli_Chr05	1534901	(C/T)
7727	CakSNP7727	Kabuli	Ca_Kabuli_Chr05	1534888	(T/C)
7728	CakSNP7728	Kabuli	Ca_Kabuli_Chr05	2166586	(A/G)
7729	CakSNP7729	Kabuli	Ca_Kabuli_Chr05	2519977	(C/T)
7730	CakSNP7730	Kabuli	Ca_Kabuli_Chr05	2519949	(C/T)
7731	CakSNP7731	Kabuli	Ca_Kabuli_Chr05	2519961	(G/A)
7732	CakSNP7732	Kabuli	Ca_Kabuli_Chr05	2519976	(G/A)
7733	CakSNP7733	Kabuli	Ca_Kabuli_Chr05	2520035	(G/A)
7734	CakSNP7734	Kabuli	Ca_Kabuli_Chr05	2520058	(C/T)
7735	CakSNP7735	Kabuli	Ca_Kabuli_Chr05	2520015	(C/G)
7736	CakSNP7736	Kabuli	Ca_Kabuli_Chr05	2520049	(C/T)
7737	CakSNP7737	Kabuli	Ca_Kabuli_Chr05	2520050	(G/C)
7738	CakSNP7738	Kabuli	Ca_Kabuli_Chr05	2520051	(G/T)
7739	CakSNP7739	Kabuli	Ca_Kabuli_Chr05	2520055	(C/T)
7740	CakSNP7740	Kabuli	Ca_Kabuli_Chr05	2520068	(T/A)
7741	CakSNP7741	Kabuli	Ca_Kabuli_Chr05	2520069	(C/T)
7742	CakSNP7742	Kabuli	Ca_Kabuli_Chr05	2520094	(G/A)
7743	CakSNP7743	Kabuli	Ca_Kabuli_Chr05	2520061	(C/T)
7744	CakSNP7744	Kabuli	Ca_Kabuli_Chr05	2520093	(G/A)
7745	CakSNP7745	Kabuli	Ca_Kabuli_Chr05	2520123	(A/G)
7746	CakSNP7746	Kabuli	Ca_Kabuli_Chr05	2520114	(G/A)
7747	CakSNP7747	Kabuli	Ca_Kabuli_Chr05	2520109	(G/A)
7748	CakSNP7748	Kabuli	Ca_Kabuli_Chr05	2520101	(C/T)
7749	CakSNP7749	Kabuli	Ca_Kabuli_Chr05	2613423	(T/G)
7750	CakSNP7750	Kabuli	Ca_Kabuli_Chr05	2948530	(G/T)
7751	CakSNP7751	Kabuli	Ca_Kabuli_Chr05	2948531	(T/C)
7752	CakSNP7752	Kabuli	Ca_Kabuli_Chr05	2948549	(C/A)
7753	CakSNP7753	Kabuli	Ca_Kabuli_Chr05	2948592	(T/C)
7754	CakSNP7754	Kabuli	Ca_Kabuli_Chr05	2948596	(C/T)
7755	CakSNP7755	Kabuli	Ca_Kabuli_Chr05	2948616	(G/A)
7756	CakSNP7756	Kabuli	Ca_Kabuli_Chr05	2948698	(G/A)
7757	CakSNP7757	Kabuli	Ca_Kabuli_Chr05	2948977	(G/A)
7758	CakSNP7758	Kabuli	Ca_Kabuli_Chr05	3007213	(A/G)
7759	CakSNP7759	Kabuli	Ca_Kabuli_Chr05	3007316	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7760	CakSNP7760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3040264	(G/T)
7761	CakSNP7761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3040948	(G/C)
7762	CakSNP7762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3159061	(G/A)
7763	CakSNP7763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3348291	(G/A)
7764	CakSNP7764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3348310	(A/G)
7765	CakSNP7765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3348366	(G/C)
7766	CakSNP7766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	3353052	(A/G)
7767	CakSNP7767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	4122395	(T/C)
7768	CakSNP7768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	4122342	(T/C)
7769	CakSNP7769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	5133644	(A/G)
7770	CakSNP7770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	5205261	(T/G)
7771	CakSNP7771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	5404261	(G/A)
7772	CakSNP7772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6190494	(T/C)
7773	CakSNP7773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6225426	(T/A)
7774	CakSNP7774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6225415	(G/C)
7775	CakSNP7775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6225410	(T/A)
7776	CakSNP7776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6290453	(G/A)
7777	CakSNP7777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6300337	(C/A)
7778	CakSNP7778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6300360	(C/A)
7779	CakSNP7779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6300502	(C/A)
7780	CakSNP7780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6316787	(C/T)
7781	CakSNP7781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6317014	(C/T)
7782	CakSNP7782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	6931865	(A/G)
7783	CakSNP7783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7082295	(G/A)
7784	CakSNP7784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7082296	(T/G)
7785	CakSNP7785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7082301	(G/T)
7786	CakSNP7786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7278953	(C/T)
7787	CakSNP7787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7398246	(A/C)
7788	CakSNP7788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7425116	(C/T)
7789	CakSNP7789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7617914	(T/A)
7790	CakSNP7790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7628097	(C/A)
7791	CakSNP7791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7641993	(T/C)
7792	CakSNP7792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7641925	(G/T)
7793	CakSNP7793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7641923	(A/G)
7794	CakSNP7794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7664421	(T/C)
7795	CakSNP7795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775286	(C/A)
7796	CakSNP7796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775290	(A/T)
7797	CakSNP7797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775298	(A/T)
7798	CakSNP7798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775329	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7799	CakSNP7799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775516	(A/G)
7800	CakSNP7800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775497	(G/C)
7801	CakSNP7801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775472	(G/A)
7802	CakSNP7802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775456	(T/C)
7803	CakSNP7803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7775918	(C/T)
7804	CakSNP7804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7789021	(G/T)
7805	CakSNP7805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7789065	(A/G)
7806	CakSNP7806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7826336	(G/T)
7807	CakSNP7807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7826338	(T/G)
7808	CakSNP7808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7826362	(C/T)
7809	CakSNP7809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7826366	(A/G)
7810	CakSNP7810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	7925356	(A/C)
7811	CakSNP7811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8263483	(A/G)
7812	CakSNP7812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8653283	(G/A)
7813	CakSNP7813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8676750	(T/G)
7814	CakSNP7814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8676807	(G/A)
7815	CakSNP7815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8676789	(T/C)
7816	CakSNP7816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8676771	(G/A)
7817	CakSNP7817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	8946218	(G/A)
7818	CakSNP7818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9034100	(C/G)
7819	CakSNP7819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076709	(C/T)
7820	CakSNP7820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076712	(G/A)
7821	CakSNP7821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076737	(C/A)
7822	CakSNP7822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076738	(G/C)
7823	CakSNP7823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076767	(C/A)
7824	CakSNP7824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076824	(G/A)
7825	CakSNP7825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076821	(G/T)
7826	CakSNP7826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9076809	(T/A)
7827	CakSNP7827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9077489	(T/C)
7828	CakSNP7828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9519382	(C/A)
7829	CakSNP7829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9519390	(G/A)
7830	CakSNP7830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9609055	(T/C)
7831	CakSNP7831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9620998	(A/C)
7832	CakSNP7832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9728498	(A/T)
7833	CakSNP7833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9728609	(T/A)
7834	CakSNP7834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9728591	(A/G)
7835	CakSNP7835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9786213	(C/A)
7836	CakSNP7836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9868796	(T/C)
7837	CakSNP7837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9869005	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7838	CakSNP7838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9961273	(T/C)
7839	CakSNP7839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9961396	(T/C)
7840	CakSNP7840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9961380	(C/T)
7841	CakSNP7841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9965880	(G/C)
7842	CakSNP7842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9965890	(T/C)
7843	CakSNP7843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9965913	(A/C)
7844	CakSNP7844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9965848	(T/C)
7845	CakSNP7845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	9965846	(A/C)
7846	CakSNP7846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10004386	(G/T)
7847	CakSNP7847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10004427	(T/G)
7848	CakSNP7848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10004430	(T/G)
7849	CakSNP7849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10004451	(T/G)
7850	CakSNP7850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10054140	(G/C)
7851	CakSNP7851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10054146	(A/G)
7852	CakSNP7852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10054266	(T/C)
7853	CakSNP7853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10054213	(A/C)
7854	CakSNP7854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10072358	(G/A)
7855	CakSNP7855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10072403	(G/C)
7856	CakSNP7856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10154016	(A/G)
7857	CakSNP7857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10247223	(T/C)
7858	CakSNP7858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10247224	(T/A)
7859	CakSNP7859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10247233	(C/T)
7860	CakSNP7860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10247244	(C/T)
7861	CakSNP7861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10390882	(C/T)
7862	CakSNP7862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406562	(C/A)
7863	CakSNP7863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406602	(C/T)
7864	CakSNP7864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406613	(C/T)
7865	CakSNP7865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406636	(A/G)
7866	CakSNP7866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406649	(A/C)
7867	CakSNP7867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406650	(A/G)
7868	CakSNP7868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10406754	(G/T)
7869	CakSNP7869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10510166	(G/A)
7870	CakSNP7870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10544823	(A/G)
7871	CakSNP7871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10546944	(A/T)
7872	CakSNP7872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10675252	(A/G)
7873	CakSNP7873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10675279	(C/G)
7874	CakSNP7874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10675294	(A/G)
7875	CakSNP7875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10769765	(C/T)
7876	CakSNP7876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10832275	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7877	CakSNP7877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10858490	(C/T)
7878	CakSNP7878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10918368	(A/G)
7879	CakSNP7879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	10919246	(C/G)
7880	CakSNP7880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11230617	(C/G)
7881	CakSNP7881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11230627	(A/G)
7882	CakSNP7882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11230648	(G/A)
7883	CakSNP7883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11230671	(T/C)
7884	CakSNP7884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11263571	(C/G)
7885	CakSNP7885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11263574	(C/A)
7886	CakSNP7886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11317487	(C/T)
7887	CakSNP7887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11317502	(C/A)
7888	CakSNP7888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11317534	(C/A)
7889	CakSNP7889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11385780	(A/C)
7890	CakSNP7890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11385874	(A/G)
7891	CakSNP7891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11765841	(C/T)
7892	CakSNP7892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11777112	(C/T)
7893	CakSNP7893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11807822	(G/T)
7894	CakSNP7894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11807842	(T/C)
7895	CakSNP7895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11845515	(C/T)
7896	CakSNP7896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11853090	(C/T)
7897	CakSNP7897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	11864959	(T/C)
7898	CakSNP7898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12044714	(A/G)
7899	CakSNP7899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157678	(A/G)
7900	CakSNP7900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157683	(T/C)
7901	CakSNP7901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157688	(C/T)
7902	CakSNP7902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157706	(G/A)
7903	CakSNP7903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157707	(C/T)
7904	CakSNP7904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157710	(A/C)
7905	CakSNP7905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157742	(C/A)
7906	CakSNP7906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12157699	(G/T)
7907	CakSNP7907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12162108	(T/G)
7908	CakSNP7908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12162156	(T/C)
7909	CakSNP7909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12162160	(G/T)
7910	CakSNP7910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12162164	(C/G)
7911	CakSNP7911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12198014	(G/A)
7912	CakSNP7912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12204521	(T/A)
7913	CakSNP7913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12204588	(A/G)
7914	CakSNP7914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12427931	(C/T)
7915	CakSNP7915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12427940	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7916	CakSNP7916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12427970	(T/C)
7917	CakSNP7917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12427969	(T/C)
7918	CakSNP7918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12427966	(T/C)
7919	CakSNP7919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12428027	(G/A)
7920	CakSNP7920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12428121	(A/T)
7921	CakSNP7921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12428120	(G/A)
7922	CakSNP7922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12428102	(A/G)
7923	CakSNP7923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12480948	(T/G)
7924	CakSNP7924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12553469	(A/C)
7925	CakSNP7925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12553470	(G/C)
7926	CakSNP7926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12590330	(A/G)
7927	CakSNP7927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12590361	(T/C)
7928	CakSNP7928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12590478	(T/C)
7929	CakSNP7929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	12662138	(G/T)
7930	CakSNP7930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	13982000	(T/G)
7931	CakSNP7931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	13982041	(C/T)
7932	CakSNP7932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	15401230	(C/T)
7933	CakSNP7933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	15500782	(G/C)
7934	CakSNP7934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	15548719	(G/A)
7935	CakSNP7935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	15952395	(C/T)
7936	CakSNP7936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227319	(G/T)
7937	CakSNP7937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227321	(C/T)
7938	CakSNP7938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227353	(G/A)
7939	CakSNP7939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227395	(G/A)
7940	CakSNP7940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227401	(G/A)
7941	CakSNP7941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16227408	(C/T)
7942	CakSNP7942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426578	(G/A)
7943	CakSNP7943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426575	(G/A)
7944	CakSNP7944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426549	(G/A)
7945	CakSNP7945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426662	(C/T)
7946	CakSNP7946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426657	(C/T)
7947	CakSNP7947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426656	(A/G)
7948	CakSNP7948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16426642	(A/G)
7949	CakSNP7949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16593880	(A/G)
7950	CakSNP7950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16751536	(C/T)
7951	CakSNP7951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16767134	(C/T)
7952	CakSNP7952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16821406	(A/G)
7953	CakSNP7953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16929903	(C/G)
7954	CakSNP7954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	16929897	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7955	CakSNP7955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17037918	(G/T)
7956	CakSNP7956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17044340	(G/A)
7957	CakSNP7957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17044338	(G/A)
7958	CakSNP7958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17044332	(A/G)
7959	CakSNP7959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17045235	(T/C)
7960	CakSNP7960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17045244	(A/G)
7961	CakSNP7961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17045485	(T/G)
7962	CakSNP7962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17239612	(T/C)
7963	CakSNP7963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494714	(A/G)
7964	CakSNP7964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494702	(G/A)
7965	CakSNP7965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494700	(T/C)
7966	CakSNP7966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494697	(C/T)
7967	CakSNP7967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494672	(C/T)
7968	CakSNP7968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494699	(C/A)
7969	CakSNP7969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494705	(A/T)
7970	CakSNP7970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494710	(C/T)
7971	CakSNP7971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	17494731	(A/T)
7972	CakSNP7972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18044808	(C/G)
7973	CakSNP7973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18664706	(C/T)
7974	CakSNP7974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18667782	(T/C)
7975	CakSNP7975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18667775	(T/C)
7976	CakSNP7976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682788	(A/C)
7977	CakSNP7977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682792	(T/C)
7978	CakSNP7978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682793	(A/G)
7979	CakSNP7979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682794	(A/G)
7980	CakSNP7980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682812	(A/G)
7981	CakSNP7981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682814	(T/A)
7982	CakSNP7982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682822	(A/G)
7983	CakSNP7983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682827	(C/G)
7984	CakSNP7984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18682830	(G/A)
7985	CakSNP7985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18684334	(C/T)
7986	CakSNP7986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18971085	(G/A)
7987	CakSNP7987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	18971088	(C/A)
7988	CakSNP7988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19421820	(C/T)
7989	CakSNP7989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19421868	(C/T)
7990	CakSNP7990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19423387	(G/A)
7991	CakSNP7991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19423357	(C/T)
7992	CakSNP7992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828124	(G/A)
7993	CakSNP7993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828151	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
7994	CakSNP7994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828163	(C/T)
7995	CakSNP7995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828166	(C/T)
7996	CakSNP7996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828167	(A/C)
7997	CakSNP7997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828226	(G/A)
7998	CakSNP7998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828190	(T/C)
7999	CakSNP7999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828184	(C/A)
8000	CakSNP8000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828172	(T/G)
8001	CakSNP8001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19828144	(A/G)
8002	CakSNP8002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19884132	(C/T)
8003	CakSNP8003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	19884124	(A/G)
8004	CakSNP8004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20008545	(C/T)
8005	CakSNP8005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20031711	(A/G)
8006	CakSNP8006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20354352	(T/C)
8007	CakSNP8007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20359674	(G/A)
8008	CakSNP8008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20460857	(G/A)
8009	CakSNP8009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20460859	(T/G)
8010	CakSNP8010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20546402	(T/C)
8011	CakSNP8011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20546385	(T/G)
8012	CakSNP8012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20644984	(C/A)
8013	CakSNP8013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	20834519	(A/G)
8014	CakSNP8014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21163371	(G/A)
8015	CakSNP8015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21385948	(T/C)
8016	CakSNP8016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495583	(C/A)
8017	CakSNP8017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495631	(C/T)
8018	CakSNP8018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495672	(G/A)
8019	CakSNP8019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495707	(A/G)
8020	CakSNP8020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495679	(G/A)
8021	CakSNP8021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21495674	(G/A)
8022	CakSNP8022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21769327	(G/A)
8023	CakSNP8023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21769419	(C/G)
8024	CakSNP8024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	21769794	(A/C)
8025	CakSNP8025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22027215	(T/C)
8026	CakSNP8026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22027257	(G/T)
8027	CakSNP8027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22027265	(A/T)
8028	CakSNP8028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22029684	(C/A)
8029	CakSNP8029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22029686	(G/A)
8030	CakSNP8030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22029761	(C/T)
8031	CakSNP8031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22065518	(C/T)
8032	CakSNP8032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22065859	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8033	CakSNP8033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22066034	(A/T)
8034	CakSNP8034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22116961	(T/G)
8035	CakSNP8035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22188341	(C/T)
8036	CakSNP8036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22188318	(C/T)
8037	CakSNP8037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22296731	(G/A)
8038	CakSNP8038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22296728	(G/T)
8039	CakSNP8039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22302350	(A/C)
8040	CakSNP8040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22344868	(A/G)
8041	CakSNP8041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22445954	(T/C)
8042	CakSNP8042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	22679380	(C/A)
8043	CakSNP8043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23039312	(C/T)
8044	CakSNP8044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23049683	(C/A)
8045	CakSNP8045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23157899	(A/G)
8046	CakSNP8046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23161492	(A/T)
8047	CakSNP8047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23261964	(A/G)
8048	CakSNP8048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23262114	(C/A)
8049	CakSNP8049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23262264	(C/A)
8050	CakSNP8050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23323538	(G/A)
8051	CakSNP8051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23323520	(C/A)
8052	CakSNP8052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23323514	(C/A)
8053	CakSNP8053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23323479	(A/T)
8054	CakSNP8054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23323478	(A/T)
8055	CakSNP8055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23440293	(C/T)
8056	CakSNP8056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23449048	(T/C)
8057	CakSNP8057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23449134	(A/C)
8058	CakSNP8058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23449127	(C/A)
8059	CakSNP8059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23562595	(G/A)
8060	CakSNP8060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23562827	(G/A)
8061	CakSNP8061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23674814	(C/G)
8062	CakSNP8062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23674815	(C/T)
8063	CakSNP8063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23674845	(G/C)
8064	CakSNP8064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783140	(T/C)
8065	CakSNP8065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783156	(C/A)
8066	CakSNP8066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783157	(G/C)
8067	CakSNP8067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783188	(G/A)
8068	CakSNP8068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783195	(C/G)
8069	CakSNP8069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783254	(A/G)
8070	CakSNP8070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23783252	(T/A)
8071	CakSNP8071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23884909	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8072	CakSNP8072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23884936	(G/A)
8073	CakSNP8073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23930933	(C/T)
8074	CakSNP8074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23930988	(G/A)
8075	CakSNP8075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23932354	(C/T)
8076	CakSNP8076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	23934198	(G/T)
8077	CakSNP8077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24059182	(C/G)
8078	CakSNP8078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24090533	(C/T)
8079	CakSNP8079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24090523	(A/C)
8080	CakSNP8080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24090515	(A/C)
8081	CakSNP8081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24090749	(A/C)
8082	CakSNP8082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24097823	(T/C)
8083	CakSNP8083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24153061	(G/C)
8084	CakSNP8084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24153205	(T/C)
8085	CakSNP8085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24153273	(T/C)
8086	CakSNP8086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24153202	(A/C)
8087	CakSNP8087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24153199	(C/T)
8088	CakSNP8088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166103	(C/T)
8089	CakSNP8089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166095	(G/A)
8090	CakSNP8090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166093	(A/G)
8091	CakSNP8091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166046	(G/A)
8092	CakSNP8092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166047	(C/T)
8093	CakSNP8093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24166082	(G/A)
8094	CakSNP8094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24181232	(C/A)
8095	CakSNP8095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24181228	(C/A)
8096	CakSNP8096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24245312	(C/A)
8097	CakSNP8097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24245308	(C/A)
8098	CakSNP8098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24346350	(A/T)
8099	CakSNP8099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24576960	(C/T)
8100	CakSNP8100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24576970	(A/G)
8101	CakSNP8101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24576993	(T/G)
8102	CakSNP8102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24596227	(T/C)
8103	CakSNP8103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24596257	(C/T)
8104	CakSNP8104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24596269	(G/A)
8105	CakSNP8105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24605438	(A/C)
8106	CakSNP8106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	24843015	(G/T)
8107	CakSNP8107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25003171	(C/T)
8108	CakSNP8108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25006110	(A/C)
8109	CakSNP8109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25006123	(C/T)
8110	CakSNP8110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25184089	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8111	CakSNP8111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25184133	(G/A)
8112	CakSNP8112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25399115	(T/G)
8113	CakSNP8113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25400604	(A/G)
8114	CakSNP8114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25474110	(A/C)
8115	CakSNP8115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25474105	(C/T)
8116	CakSNP8116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25474093	(G/C)
8117	CakSNP8117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25474089	(C/A)
8118	CakSNP8118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25597077	(A/G)
8119	CakSNP8119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25678975	(G/T)
8120	CakSNP8120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25697487	(C/G)
8121	CakSNP8121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	25805020	(A/G)
8122	CakSNP8122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26025243	(C/T)
8123	CakSNP8123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26025282	(A/G)
8124	CakSNP8124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26025356	(A/T)
8125	CakSNP8125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26027313	(C/A)
8126	CakSNP8126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26095084	(T/G)
8127	CakSNP8127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26124240	(T/C)
8128	CakSNP8128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26191896	(T/C)
8129	CakSNP8129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26194579	(A/G)
8130	CakSNP8130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26238764	(T/G)
8131	CakSNP8131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26238752	(A/T)
8132	CakSNP8132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26238748	(A/T)
8133	CakSNP8133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26238741	(G/T)
8134	CakSNP8134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26238739	(C/T)
8135	CakSNP8135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26384636	(C/G)
8136	CakSNP8136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26467869	(A/C)
8137	CakSNP8137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26474910	(A/C)
8138	CakSNP8138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26475067	(T/C)
8139	CakSNP8139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26477751	(A/T)
8140	CakSNP8140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26494631	(A/G)
8141	CakSNP8141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26494778	(T/C)
8142	CakSNP8142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26494769	(T/C)
8143	CakSNP8143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26496197	(A/G)
8144	CakSNP8144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26558406	(A/G)
8145	CakSNP8145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26558366	(A/G)
8146	CakSNP8146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26558363	(C/G)
8147	CakSNP8147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26558357	(G/A)
8148	CakSNP8148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26558356	(G/T)
8149	CakSNP8149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26569400	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8150	CakSNP8150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26609014	(T/C)
8151	CakSNP8151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26608993	(A/G)
8152	CakSNP8152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26621093	(C/G)
8153	CakSNP8153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26626861	(A/G)
8154	CakSNP8154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26626855	(T/G)
8155	CakSNP8155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26638041	(G/A)
8156	CakSNP8156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26638042	(C/T)
8157	CakSNP8157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26638080	(A/G)
8158	CakSNP8158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26638126	(C/T)
8159	CakSNP8159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26638118	(C/T)
8160	CakSNP8160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26679836	(C/T)
8161	CakSNP8161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696390	(G/A)
8162	CakSNP8162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696412	(C/A)
8163	CakSNP8163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696455	(G/A)
8164	CakSNP8164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696547	(C/T)
8165	CakSNP8165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696533	(C/T)
8166	CakSNP8166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696494	(G/A)
8167	CakSNP8167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696578	(G/A)
8168	CakSNP8168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696602	(C/T)
8169	CakSNP8169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696620	(C/T)
8170	CakSNP8170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26696624	(G/A)
8171	CakSNP8171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26785140	(G/A)
8172	CakSNP8172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26785226	(C/A)
8173	CakSNP8173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26997335	(T/G)
8174	CakSNP8174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	26999793	(C/T)
8175	CakSNP8175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27000127	(C/G)
8176	CakSNP8176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27000104	(C/A)
8177	CakSNP8177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27000278	(T/A)
8178	CakSNP8178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27000280	(T/G)
8179	CakSNP8179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27025766	(A/G)
8180	CakSNP8180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27025752	(A/C)
8181	CakSNP8181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27042679	(G/A)
8182	CakSNP8182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27117953	(A/G)
8183	CakSNP8183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27150550	(A/G)
8184	CakSNP8184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27230515	(T/A)
8185	CakSNP8185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27230514	(A/G)
8186	CakSNP8186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27231394	(T/C)
8187	CakSNP8187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27231641	(T/A)
8188	CakSNP8188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27232304	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8189	CakSNP8189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27234806	(G/A)
8190	CakSNP8190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27235002	(T/G)
8191	CakSNP8191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27328552	(G/A)
8192	CakSNP8192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27328737	(G/T)
8193	CakSNP8193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27334056	(A/C)
8194	CakSNP8194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27334057	(G/C)
8195	CakSNP8195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27334061	(G/C)
8196	CakSNP8196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27349210	(T/A)
8197	CakSNP8197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27349237	(C/T)
8198	CakSNP8198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27361515	(C/T)
8199	CakSNP8199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27361579	(T/G)
8200	CakSNP8200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27362517	(C/G)
8201	CakSNP8201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27362570	(G/T)
8202	CakSNP8202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27362573	(A/G)
8203	CakSNP8203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27362584	(T/G)
8204	CakSNP8204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27452484	(C/G)
8205	CakSNP8205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27516054	(T/A)
8206	CakSNP8206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27552106	(A/C)
8207	CakSNP8207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27555637	(T/G)
8208	CakSNP8208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568101	(T/G)
8209	CakSNP8209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568095	(C/A)
8210	CakSNP8210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568064	(A/C)
8211	CakSNP8211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568059	(C/T)
8212	CakSNP8212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568028	(A/T)
8213	CakSNP8213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568033	(G/A)
8214	CakSNP8214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568082	(G/A)
8215	CakSNP8215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568097	(G/A)
8216	CakSNP8216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568098	(C/T)
8217	CakSNP8217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568118	(A/G)
8218	CakSNP8218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568133	(G/T)
8219	CakSNP8219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568081	(G/C)
8220	CakSNP8220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568107	(C/G)
8221	CakSNP8221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568156	(C/G)
8222	CakSNP8222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568141	(C/T)
8223	CakSNP8223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568180	(C/T)
8224	CakSNP8224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27568176	(T/C)
8225	CakSNP8225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27579347	(C/T)
8226	CakSNP8226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27605037	(A/T)
8227	CakSNP8227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27605063	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8228	CakSNP8228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27605081	(C/T)
8229	CakSNP8229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27605095	(G/C)
8230	CakSNP8230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27692816	(C/T)
8231	CakSNP8231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27692818	(C/T)
8232	CakSNP8232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27692822	(C/T)
8233	CakSNP8233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27692823	(A/T)
8234	CakSNP8234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27692831	(A/T)
8235	CakSNP8235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27694205	(C/A)
8236	CakSNP8236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27750155	(C/T)
8237	CakSNP8237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27786025	(T/C)
8238	CakSNP8238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27838003	(T/C)
8239	CakSNP8239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27850760	(T/C)
8240	CakSNP8240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27850735	(C/A)
8241	CakSNP8241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27853444	(C/T)
8242	CakSNP8242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27872968	(C/T)
8243	CakSNP8243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27873001	(T/C)
8244	CakSNP8244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27874414	(C/A)
8245	CakSNP8245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27936521	(A/G)
8246	CakSNP8246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27936524	(C/T)
8247	CakSNP8247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27939162	(G/A)
8248	CakSNP8248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27939135	(G/C)
8249	CakSNP8249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27939134	(A/T)
8250	CakSNP8250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27939128	(A/G)
8251	CakSNP8251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	27974691	(G/T)
8252	CakSNP8252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28016628	(C/T)
8253	CakSNP8253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28016669	(A/G)
8254	CakSNP8254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28071467	(A/G)
8255	CakSNP8255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28116818	(A/G)
8256	CakSNP8256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28116988	(A/T)
8257	CakSNP8257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28117011	(C/T)
8258	CakSNP8258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28164985	(G/C)
8259	CakSNP8259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28168910	(A/G)
8260	CakSNP8260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28169475	(T/C)
8261	CakSNP8261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28175039	(A/G)
8262	CakSNP8262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28266046	(T/G)
8263	CakSNP8263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28271638	(G/C)
8264	CakSNP8264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28271732	(C/T)
8265	CakSNP8265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28271733	(G/A)
8266	CakSNP8266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28271742	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8267	CakSNP8267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28271767	(G/C)
8268	CakSNP8268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28284640	(T/C)
8269	CakSNP8269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28327832	(T/G)
8270	CakSNP8270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28327883	(G/A)
8271	CakSNP8271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28327870	(T/C)
8272	CakSNP8272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28327868	(G/A)
8273	CakSNP8273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28327856	(T/C)
8274	CakSNP8274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28335455	(A/C)
8275	CakSNP8275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28346497	(C/T)
8276	CakSNP8276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28360495	(C/T)
8277	CakSNP8277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28360492	(C/T)
8278	CakSNP8278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28360585	(A/G)
8279	CakSNP8279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28383374	(G/T)
8280	CakSNP8280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28491113	(G/A)
8281	CakSNP8281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28491131	(G/A)
8282	CakSNP8282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28509048	(G/A)
8283	CakSNP8283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28509066	(G/A)
8284	CakSNP8284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28562734	(G/A)
8285	CakSNP8285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28581814	(A/G)
8286	CakSNP8286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28581815	(C/G)
8287	CakSNP8287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28581827	(T/C)
8288	CakSNP8288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28581866	(T/C)
8289	CakSNP8289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28581926	(C/A)
8290	CakSNP8290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28582525	(C/T)
8291	CakSNP8291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28582806	(T/C)
8292	CakSNP8292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28582763	(A/G)
8293	CakSNP8293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28583402	(G/A)
8294	CakSNP8294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28583375	(C/G)
8295	CakSNP8295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28682973	(A/C)
8296	CakSNP8296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28682995	(G/A)
8297	CakSNP8297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28683084	(A/C)
8298	CakSNP8298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28683070	(T/A)
8299	CakSNP8299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28683069	(A/T)
8300	CakSNP8300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28714658	(C/T)
8301	CakSNP8301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28717362	(C/T)
8302	CakSNP8302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28717384	(C/T)
8303	CakSNP8303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28721236	(C/T)
8304	CakSNP8304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28721237	(A/G)
8305	CakSNP8305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28721386	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8306	CakSNP8306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28721383	(A/C)
8307	CakSNP8307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28746139	(A/G)
8308	CakSNP8308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28757467	(A/T)
8309	CakSNP8309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28757474	(T/C)
8310	CakSNP8310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28757479	(T/C)
8311	CakSNP8311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28757485	(A/C)
8312	CakSNP8312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28757507	(A/T)
8313	CakSNP8313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28758723	(A/G)
8314	CakSNP8314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28817832	(A/G)
8315	CakSNP8315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28827467	(A/G)
8316	CakSNP8316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28843854	(G/A)
8317	CakSNP8317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28843801	(A/G)
8318	CakSNP8318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28843795	(A/T)
8319	CakSNP8319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28843782	(C/G)
8320	CakSNP8320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28843775	(C/T)
8321	CakSNP8321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28854486	(C/T)
8322	CakSNP8322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	28905203	(A/C)
8323	CakSNP8323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007895	(T/C)
8324	CakSNP8324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007886	(C/A)
8325	CakSNP8325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007884	(A/C)
8326	CakSNP8326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007882	(A/C)
8327	CakSNP8327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007879	(T/C)
8328	CakSNP8328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007847	(A/C)
8329	CakSNP8329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29007844	(T/C)
8330	CakSNP8330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29061056	(T/A)
8331	CakSNP8331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29061025	(A/C)
8332	CakSNP8332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29060992	(C/T)
8333	CakSNP8333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29062696	(G/A)
8334	CakSNP8334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29062738	(A/G)
8335	CakSNP8335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29079931	(G/A)
8336	CakSNP8336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29079962	(A/G)
8337	CakSNP8337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29080066	(G/C)
8338	CakSNP8338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29080060	(C/T)
8339	CakSNP8339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29111292	(T/G)
8340	CakSNP8340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29111293	(T/C)
8341	CakSNP8341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29186179	(T/G)
8342	CakSNP8342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29220980	(T/A)
8343	CakSNP8343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29221003	(T/C)
8344	CakSNP8344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29221919	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8345	CakSNP8345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29272117	(C/G)
8346	CakSNP8346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29272125	(C/T)
8347	CakSNP8347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29354269	(A/T)
8348	CakSNP8348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29422029	(T/A)
8349	CakSNP8349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29422066	(A/T)
8350	CakSNP8350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29422091	(C/T)
8351	CakSNP8351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437139	(C/T)
8352	CakSNP8352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437146	(C/A)
8353	CakSNP8353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437159	(C/T)
8354	CakSNP8354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437162	(A/C)
8355	CakSNP8355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437171	(A/T)
8356	CakSNP8356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437181	(A/C)
8357	CakSNP8357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437189	(C/T)
8358	CakSNP8358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437193	(A/C)
8359	CakSNP8359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29437182	(C/A)
8360	CakSNP8360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29528859	(A/T)
8361	CakSNP8361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29528890	(T/A)
8362	CakSNP8362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29528904	(T/G)
8363	CakSNP8363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29530996	(G/A)
8364	CakSNP8364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29531122	(A/T)
8365	CakSNP8365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29531113	(G/A)
8366	CakSNP8366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29531218	(A/T)
8367	CakSNP8367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29531416	(A/G)
8368	CakSNP8368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29567676	(T/C)
8369	CakSNP8369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29567820	(T/C)
8370	CakSNP8370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29576690	(A/T)
8371	CakSNP8371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29576689	(G/A)
8372	CakSNP8372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29576716	(A/C)
8373	CakSNP8373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29608657	(T/C)
8374	CakSNP8374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29641659	(T/C)
8375	CakSNP8375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29658258	(G/C)
8376	CakSNP8376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29658280	(A/C)
8377	CakSNP8377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29667787	(C/G)
8378	CakSNP8378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29667783	(C/T)
8379	CakSNP8379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29667774	(G/C)
8380	CakSNP8380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29809862	(A/C)
8381	CakSNP8381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29816799	(T/C)
8382	CakSNP8382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29816800	(T/A)
8383	CakSNP8383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29824218	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8384	CakSNP8384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29852130	(T/C)
8385	CakSNP8385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29852105	(T/G)
8386	CakSNP8386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29886086	(T/A)
8387	CakSNP8387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29981826	(A/G)
8388	CakSNP8388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999414	(C/T)
8389	CakSNP8389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999427	(G/A)
8390	CakSNP8390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999433	(C/A)
8391	CakSNP8391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999465	(T/G)
8392	CakSNP8392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999476	(G/A)
8393	CakSNP8393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	29999523	(A/T)
8394	CakSNP8394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30035763	(A/T)
8395	CakSNP8395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30049265	(G/A)
8396	CakSNP8396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30053540	(C/G)
8397	CakSNP8397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30060160	(C/T)
8398	CakSNP8398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30086073	(A/G)
8399	CakSNP8399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30086232	(A/C)
8400	CakSNP8400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30090906	(A/G)
8401	CakSNP8401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30091063	(G/A)
8402	CakSNP8402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30116978	(C/T)
8403	CakSNP8403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30116992	(T/G)
8404	CakSNP8404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30159226	(C/T)
8405	CakSNP8405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30159173	(G/A)
8406	CakSNP8406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30159161	(G/A)
8407	CakSNP8407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30191389	(A/C)
8408	CakSNP8408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30248447	(C/A)
8409	CakSNP8409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30258178	(T/G)
8410	CakSNP8410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30287853	(C/T)
8411	CakSNP8411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30304076	(A/T)
8412	CakSNP8412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30319316	(A/G)
8413	CakSNP8413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30359047	(T/C)
8414	CakSNP8414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30359022	(G/A)
8415	CakSNP8415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30360185	(T/C)
8416	CakSNP8416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30360348	(T/C)
8417	CakSNP8417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30367349	(G/T)
8418	CakSNP8418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30373542	(A/G)
8419	CakSNP8419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30373783	(T/A)
8420	CakSNP8420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30376661	(C/G)
8421	CakSNP8421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30376722	(T/C)
8422	CakSNP8422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30376723	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8423	CakSNP8423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30378114	(A/G)
8424	CakSNP8424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30378184	(A/G)
8425	CakSNP8425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30407725	(C/G)
8426	CakSNP8426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30408006	(C/T)
8427	CakSNP8427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30438913	(G/A)
8428	CakSNP8428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30443858	(A/T)
8429	CakSNP8429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30562430	(C/G)
8430	CakSNP8430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30562524	(G/T)
8431	CakSNP8431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30601932	(T/C)
8432	CakSNP8432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30601926	(T/C)
8433	CakSNP8433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30601920	(T/C)
8434	CakSNP8434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30627937	(G/T)
8435	CakSNP8435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30632697	(A/G)
8436	CakSNP8436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30655941	(T/C)
8437	CakSNP8437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30656058	(A/T)
8438	CakSNP8438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30690891	(T/G)
8439	CakSNP8439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30690852	(G/A)
8440	CakSNP8440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30690885	(A/G)
8441	CakSNP8441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30691510	(A/G)
8442	CakSNP8442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30691515	(G/A)
8443	CakSNP8443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30691543	(A/G)
8444	CakSNP8444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30697511	(G/A)
8445	CakSNP8445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30745571	(G/T)
8446	CakSNP8446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30749553	(A/T)
8447	CakSNP8447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30749696	(A/T)
8448	CakSNP8448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30755644	(A/G)
8449	CakSNP8449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30755584	(G/A)
8450	CakSNP8450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30811250	(A/T)
8451	CakSNP8451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30864010	(T/C)
8452	CakSNP8452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30868770	(G/C)
8453	CakSNP8453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30868695	(G/C)
8454	CakSNP8454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30878047	(C/T)
8455	CakSNP8455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30878092	(G/T)
8456	CakSNP8456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30878100	(T/A)
8457	CakSNP8457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30890480	(G/C)
8458	CakSNP8458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30962640	(A/T)
8459	CakSNP8459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30962641	(C/A)
8460	CakSNP8460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30962650	(G/A)
8461	CakSNP8461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	30964628	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8462	CakSNP8462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31024408	(T/C)
8463	CakSNP8463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31025764	(G/T)
8464	CakSNP8464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31034500	(T/C)
8465	CakSNP8465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31034898	(A/G)
8466	CakSNP8466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31064173	(C/G)
8467	CakSNP8467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31072213	(T/C)
8468	CakSNP8468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31072276	(G/A)
8469	CakSNP8469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31084839	(A/C)
8470	CakSNP8470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31088698	(T/G)
8471	CakSNP8471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31126125	(C/T)
8472	CakSNP8472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31131830	(T/C)
8473	CakSNP8473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31132568	(A/T)
8474	CakSNP8474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31138650	(G/A)
8475	CakSNP8475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31140531	(T/C)
8476	CakSNP8476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31162533	(G/A)
8477	CakSNP8477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31164387	(G/C)
8478	CakSNP8478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31164539	(T/C)
8479	CakSNP8479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31165048	(T/C)
8480	CakSNP8480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31165039	(T/C)
8481	CakSNP8481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31165035	(T/C)
8482	CakSNP8482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31165002	(A/C)
8483	CakSNP8483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31171555	(G/A)
8484	CakSNP8484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31176722	(T/G)
8485	CakSNP8485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31176810	(C/T)
8486	CakSNP8486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31176844	(G/A)
8487	CakSNP8487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31192415	(C/T)
8488	CakSNP8488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31192413	(G/A)
8489	CakSNP8489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31194845	(G/T)
8490	CakSNP8490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31194974	(T/C)
8491	CakSNP8491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31194988	(G/T)
8492	CakSNP8492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31194989	(A/C)
8493	CakSNP8493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31215109	(C/T)
8494	CakSNP8494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31310698	(C/T)
8495	CakSNP8495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31310702	(C/G)
8496	CakSNP8496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31310703	(A/G)
8497	CakSNP8497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31310741	(A/G)
8498	CakSNP8498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31314012	(A/C)
8499	CakSNP8499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31314056	(A/C)
8500	CakSNP8500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31344725	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8501	CakSNP8501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31377103	(C/T)
8502	CakSNP8502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31377122	(C/T)
8503	CakSNP8503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31377134	(A/T)
8504	CakSNP8504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31390221	(A/G)
8505	CakSNP8505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31390319	(C/T)
8506	CakSNP8506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31522389	(T/G)
8507	CakSNP8507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31548555	(G/A)
8508	CakSNP8508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31651335	(G/T)
8509	CakSNP8509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31651336	(T/G)
8510	CakSNP8510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31653418	(T/C)
8511	CakSNP8511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31653423	(T/C)
8512	CakSNP8512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31653432	(A/G)
8513	CakSNP8513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31653437	(C/T)
8514	CakSNP8514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31653452	(C/A)
8515	CakSNP8515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31687881	(C/T)
8516	CakSNP8516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31687891	(A/C)
8517	CakSNP8517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31696236	(T/C)
8518	CakSNP8518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31710670	(G/A)
8519	CakSNP8519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31724217	(G/A)
8520	CakSNP8520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31724272	(C/T)
8521	CakSNP8521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31724332	(G/A)
8522	CakSNP8522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31750150	(T/G)
8523	CakSNP8523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31750242	(A/G)
8524	CakSNP8524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31758166	(T/C)
8525	CakSNP8525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31802684	(G/T)
8526	CakSNP8526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31802727	(G/A)
8527	CakSNP8527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31816202	(A/C)
8528	CakSNP8528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31816228	(A/G)
8529	CakSNP8529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31935674	(T/C)
8530	CakSNP8530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31951925	(G/A)
8531	CakSNP8531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31951944	(C/T)
8532	CakSNP8532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	31985390	(G/C)
8533	CakSNP8533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32011781	(G/T)
8534	CakSNP8534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32011792	(T/G)
8535	CakSNP8535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32015967	(T/C)
8536	CakSNP8536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32019864	(G/A)
8537	CakSNP8537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32023925	(T/C)
8538	CakSNP8538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32090295	(C/A)
8539	CakSNP8539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32144081	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8540	CakSNP8540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32144108	(A/C)
8541	CakSNP8541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32144120	(C/T)
8542	CakSNP8542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32147522	(C/T)
8543	CakSNP8543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32171632	(G/A)
8544	CakSNP8544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32171652	(T/A)
8545	CakSNP8545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32209547	(C/G)
8546	CakSNP8546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32209750	(T/C)
8547	CakSNP8547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32229485	(A/T)
8548	CakSNP8548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32291158	(C/T)
8549	CakSNP8549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32291118	(G/A)
8550	CakSNP8550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32328110	(T/C)
8551	CakSNP8551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32346655	(A/C)
8552	CakSNP8552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32357511	(G/A)
8553	CakSNP8553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32368485	(G/C)
8554	CakSNP8554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32369197	(C/A)
8555	CakSNP8555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32399391	(T/A)
8556	CakSNP8556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32476432	(A/G)
8557	CakSNP8557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32476423	(A/G)
8558	CakSNP8558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32516773	(T/A)
8559	CakSNP8559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32524646	(T/C)
8560	CakSNP8560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32566131	(C/G)
8561	CakSNP8561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32598221	(C/A)
8562	CakSNP8562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32623507	(T/G)
8563	CakSNP8563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32631930	(C/A)
8564	CakSNP8564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32643759	(A/G)
8565	CakSNP8565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32732862	(A/T)
8566	CakSNP8566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32732913	(A/T)
8567	CakSNP8567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32759420	(T/A)
8568	CakSNP8568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32761420	(G/A)
8569	CakSNP8569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32794288	(G/A)
8570	CakSNP8570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32816626	(G/T)
8571	CakSNP8571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32839347	(C/A)
8572	CakSNP8572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32840512	(A/T)
8573	CakSNP8573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32840522	(T/C)
8574	CakSNP8574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32840541	(T/G)
8575	CakSNP8575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32859483	(T/A)
8576	CakSNP8576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32859504	(T/G)
8577	CakSNP8577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32859515	(T/G)
8578	CakSNP8578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32860087	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8579	CakSNP8579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	32978975	(A/T)
8580	CakSNP8580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33052329	(C/G)
8581	CakSNP8581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33143038	(A/T)
8582	CakSNP8582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33189733	(A/G)
8583	CakSNP8583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33189791	(G/A)
8584	CakSNP8584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33189808	(A/G)
8585	CakSNP8585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33255823	(T/G)
8586	CakSNP8586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33255971	(G/T)
8587	CakSNP8587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33256053	(C/G)
8588	CakSNP8588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33256089	(T/C)
8589	CakSNP8589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33256245	(T/C)
8590	CakSNP8590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33256412	(A/T)
8591	CakSNP8591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33256388	(T/A)
8592	CakSNP8592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33336127	(C/G)
8593	CakSNP8593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33336135	(G/T)
8594	CakSNP8594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33349598	(C/T)
8595	CakSNP8595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33349700	(A/G)
8596	CakSNP8596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33379904	(A/G)
8597	CakSNP8597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33379873	(C/T)
8598	CakSNP8598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33381774	(C/T)
8599	CakSNP8599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33422813	(C/T)
8600	CakSNP8600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33422780	(A/G)
8601	CakSNP8601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33422779	(C/T)
8602	CakSNP8602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33422767	(T/C)
8603	CakSNP8603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33431897	(T/C)
8604	CakSNP8604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33431996	(T/C)
8605	CakSNP8605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33523676	(T/C)
8606	CakSNP8606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33523686	(G/A)
8607	CakSNP8607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33523691	(T/C)
8608	CakSNP8608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33532807	(A/G)
8609	CakSNP8609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33532804	(A/T)
8610	CakSNP8610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33532798	(A/T)
8611	CakSNP8611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33574726	(T/C)
8612	CakSNP8612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33578061	(T/A)
8613	CakSNP8613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33578167	(A/T)
8614	CakSNP8614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33578438	(T/C)
8615	CakSNP8615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33578477	(A/G)
8616	CakSNP8616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33581040	(A/G)
8617	CakSNP8617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33626841	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8618	CakSNP8618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33627132	(T/C)
8619	CakSNP8619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33631108	(A/G)
8620	CakSNP8620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33631266	(T/A)
8621	CakSNP8621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33656560	(C/G)
8622	CakSNP8622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33673894	(T/C)
8623	CakSNP8623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33700181	(G/C)
8624	CakSNP8624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33700196	(A/T)
8625	CakSNP8625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33721487	(C/T)
8626	CakSNP8626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33721544	(A/G)
8627	CakSNP8627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33771359	(T/C)
8628	CakSNP8628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33812108	(T/C)
8629	CakSNP8629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33812213	(A/C)
8630	CakSNP8630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33812363	(T/A)
8631	CakSNP8631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33818742	(T/A)
8632	CakSNP8632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33818789	(C/G)
8633	CakSNP8633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33818823	(A/G)
8634	CakSNP8634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33824516	(G/T)
8635	CakSNP8635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33824513	(G/A)
8636	CakSNP8636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33824503	(G/A)
8637	CakSNP8637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33835816	(T/C)
8638	CakSNP8638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33841544	(T/G)
8639	CakSNP8639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33844056	(A/T)
8640	CakSNP8640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33844059	(G/C)
8641	CakSNP8641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33844222	(T/C)
8642	CakSNP8642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33844436	(T/A)
8643	CakSNP8643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33892596	(A/C)
8644	CakSNP8644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33937307	(G/A)
8645	CakSNP8645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33937316	(G/A)
8646	CakSNP8646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33963525	(G/C)
8647	CakSNP8647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33985819	(A/G)
8648	CakSNP8648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33986234	(C/T)
8649	CakSNP8649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	33986253	(A/C)
8650	CakSNP8650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34022362	(G/T)
8651	CakSNP8651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34040479	(A/G)
8652	CakSNP8652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34040508	(A/C)
8653	CakSNP8653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34040535	(G/A)
8654	CakSNP8654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34041705	(G/T)
8655	CakSNP8655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34073378	(A/T)
8656	CakSNP8656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34073395	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8657	CakSNP8657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34073445	(A/T)
8658	CakSNP8658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34201989	(C/G)
8659	CakSNP8659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34202000	(T/C)
8660	CakSNP8660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34202075	(T/G)
8661	CakSNP8661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34202222	(G/A)
8662	CakSNP8662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34241269	(C/G)
8663	CakSNP8663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34244499	(C/T)
8664	CakSNP8664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34244681	(G/A)
8665	CakSNP8665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34244670	(A/G)
8666	CakSNP8666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34244662	(C/G)
8667	CakSNP8667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34244754	(T/A)
8668	CakSNP8668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34313779	(A/G)
8669	CakSNP8669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34313758	(T/G)
8670	CakSNP8670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34334980	(A/G)
8671	CakSNP8671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34334993	(A/C)
8672	CakSNP8672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34335252	(T/A)
8673	CakSNP8673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34418798	(G/C)
8674	CakSNP8674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34441581	(A/C)
8675	CakSNP8675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34461159	(T/C)
8676	CakSNP8676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34482245	(G/T)
8677	CakSNP8677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34482217	(G/T)
8678	CakSNP8678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34511669	(G/T)
8679	CakSNP8679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34511678	(T/C)
8680	CakSNP8680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34511693	(C/T)
8681	CakSNP8681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34511705	(G/T)
8682	CakSNP8682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34521655	(T/C)
8683	CakSNP8683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34531222	(A/G)
8684	CakSNP8684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34535758	(T/C)
8685	CakSNP8685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34535893	(G/T)
8686	CakSNP8686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34535878	(G/A)
8687	CakSNP8687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34629028	(A/G)
8688	CakSNP8688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34673784	(T/A)
8689	CakSNP8689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34691234	(A/C)
8690	CakSNP8690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34691302	(T/C)
8691	CakSNP8691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34691453	(G/A)
8692	CakSNP8692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34807071	(C/T)
8693	CakSNP8693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34814216	(T/C)
8694	CakSNP8694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34824647	(C/G)
8695	CakSNP8695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34824749	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8696	CakSNP8696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34845398	(T/G)
8697	CakSNP8697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34879731	(A/G)
8698	CakSNP8698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34974615	(T/A)
8699	CakSNP8699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34974703	(C/T)
8700	CakSNP8700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34974795	(A/G)
8701	CakSNP8701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34975712	(T/A)
8702	CakSNP8702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	34998725	(G/A)
8703	CakSNP8703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35126544	(A/C)
8704	CakSNP8704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35164295	(C/T)
8705	CakSNP8705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35191371	(C/G)
8706	CakSNP8706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35209511	(T/C)
8707	CakSNP8707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35213601	(C/T)
8708	CakSNP8708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35226049	(G/C)
8709	CakSNP8709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35290452	(A/G)
8710	CakSNP8710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35296135	(A/C)
8711	CakSNP8711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35330946	(G/A)
8712	CakSNP8712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35330995	(A/C)
8713	CakSNP8713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35340068	(A/G)
8714	CakSNP8714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35340065	(G/A)
8715	CakSNP8715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35374184	(G/A)
8716	CakSNP8716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35438327	(G/T)
8717	CakSNP8717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35495900	(T/A)
8718	CakSNP8718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35500751	(T/C)
8719	CakSNP8719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35534923	(T/A)
8720	CakSNP8720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35534897	(G/A)
8721	CakSNP8721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35540372	(T/C)
8722	CakSNP8722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35543648	(T/C)
8723	CakSNP8723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35554534	(C/A)
8724	CakSNP8724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35554593	(C/T)
8725	CakSNP8725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35555184	(A/G)
8726	CakSNP8726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35576495	(A/G)
8727	CakSNP8727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35617798	(A/C)
8728	CakSNP8728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35688558	(T/C)
8729	CakSNP8729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35690996	(G/A)
8730	CakSNP8730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35691581	(T/C)
8731	CakSNP8731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35715495	(C/T)
8732	CakSNP8732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35715550	(G/C)
8733	CakSNP8733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35715571	(A/C)
8734	CakSNP8734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35715563	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8735	CakSNP8735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35715548	(T/C)
8736	CakSNP8736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35773040	(C/A)
8737	CakSNP8737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35773044	(A/G)
8738	CakSNP8738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35775200	(T/C)
8739	CakSNP8739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35775191	(T/G)
8740	CakSNP8740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35775266	(G/A)
8741	CakSNP8741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35789373	(T/A)
8742	CakSNP8742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35789775	(A/G)
8743	CakSNP8743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35839230	(T/C)
8744	CakSNP8744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35839233	(G/A)
8745	CakSNP8745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35844295	(G/T)
8746	CakSNP8746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35845094	(G/A)
8747	CakSNP8747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35845780	(T/C)
8748	CakSNP8748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35845801	(T/C)
8749	CakSNP8749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35846404	(A/G)
8750	CakSNP8750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35868865	(G/A)
8751	CakSNP8751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35877505	(T/C)
8752	CakSNP8752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35926105	(T/C)
8753	CakSNP8753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35937904	(C/T)
8754	CakSNP8754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35937842	(G/T)
8755	CakSNP8755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35947574	(G/A)
8756	CakSNP8756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35954656	(T/C)
8757	CakSNP8757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	35956534	(C/T)
8758	CakSNP8758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36012698	(C/G)
8759	CakSNP8759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36039365	(A/C)
8760	CakSNP8760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36128655	(G/T)
8761	CakSNP8761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36131156	(A/C)
8762	CakSNP8762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36217803	(C/T)
8763	CakSNP8763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36238656	(G/A)
8764	CakSNP8764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36238655	(G/C)
8765	CakSNP8765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36248568	(C/T)
8766	CakSNP8766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36292611	(C/G)
8767	CakSNP8767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36334569	(C/A)
8768	CakSNP8768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36334592	(C/T)
8769	CakSNP8769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36334625	(A/G)
8770	CakSNP8770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36338598	(A/C)
8771	CakSNP8771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36338658	(A/G)
8772	CakSNP8772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36397489	(A/C)
8773	CakSNP8773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	36400943	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8774	CakSNP8774	Kabuli	Ca_Kabuli_Ch05	36408701	(G/A)
8775	CakSNP8775	Kabuli	Ca_Kabuli_Ch05	36408719	(G/A)
8776	CakSNP8776	Kabuli	Ca_Kabuli_Ch05	36408724	(T/C)
8777	CakSNP8777	Kabuli	Ca_Kabuli_Ch05	36408736	(C/A)
8778	CakSNP8778	Kabuli	Ca_Kabuli_Ch05	36430677	(A/C)
8779	CakSNP8779	Kabuli	Ca_Kabuli_Ch05	36441063	(C/T)
8780	CakSNP8780	Kabuli	Ca_Kabuli_Ch05	36533996	(T/A)
8781	CakSNP8781	Kabuli	Ca_Kabuli_Ch05	36534056	(G/C)
8782	CakSNP8782	Kabuli	Ca_Kabuli_Ch05	36534057	(T/G)
8783	CakSNP8783	Kabuli	Ca_Kabuli_Ch05	36534060	(G/A)
8784	CakSNP8784	Kabuli	Ca_Kabuli_Ch05	36534063	(C/T)
8785	CakSNP8785	Kabuli	Ca_Kabuli_Ch05	36534126	(A/G)
8786	CakSNP8786	Kabuli	Ca_Kabuli_Ch05	36534110	(T/C)
8787	CakSNP8787	Kabuli	Ca_Kabuli_Ch05	36566175	(G/A)
8788	CakSNP8788	Kabuli	Ca_Kabuli_Ch05	36613610	(T/C)
8789	CakSNP8789	Kabuli	Ca_Kabuli_Ch05	36619837	(A/G)
8790	CakSNP8790	Kabuli	Ca_Kabuli_Ch05	36621872	(A/T)
8791	CakSNP8791	Kabuli	Ca_Kabuli_Ch05	36672147	(C/T)
8792	CakSNP8792	Kabuli	Ca_Kabuli_Ch05	36672164	(A/G)
8793	CakSNP8793	Kabuli	Ca_Kabuli_Ch05	36673950	(C/A)
8794	CakSNP8794	Kabuli	Ca_Kabuli_Ch05	36731961	(T/C)
8795	CakSNP8795	Kabuli	Ca_Kabuli_Ch05	36735459	(A/T)
8796	CakSNP8796	Kabuli	Ca_Kabuli_Ch05	36751625	(C/T)
8797	CakSNP8797	Kabuli	Ca_Kabuli_Ch05	36751851	(T/A)
8798	CakSNP8798	Kabuli	Ca_Kabuli_Ch05	36757408	(G/A)
8799	CakSNP8799	Kabuli	Ca_Kabuli_Ch05	36797173	(A/G)
8800	CakSNP8800	Kabuli	Ca_Kabuli_Ch05	36797187	(G/T)
8801	CakSNP8801	Kabuli	Ca_Kabuli_Ch05	36800497	(G/T)
8802	CakSNP8802	Kabuli	Ca_Kabuli_Ch05	36842784	(G/T)
8803	CakSNP8803	Kabuli	Ca_Kabuli_Ch05	36855028	(G/A)
8804	CakSNP8804	Kabuli	Ca_Kabuli_Ch05	36916560	(T/C)
8805	CakSNP8805	Kabuli	Ca_Kabuli_Ch05	36999074	(G/C)
8806	CakSNP8806	Kabuli	Ca_Kabuli_Ch05	37016704	(C/G)
8807	CakSNP8807	Kabuli	Ca_Kabuli_Ch05	37039246	(A/T)
8808	CakSNP8808	Kabuli	Ca_Kabuli_Ch05	37039300	(A/G)
8809	CakSNP8809	Kabuli	Ca_Kabuli_Ch05	37040045	(G/A)
8810	CakSNP8810	Kabuli	Ca_Kabuli_Ch05	37067293	(A/G)
8811	CakSNP8811	Kabuli	Ca_Kabuli_Ch05	37067371	(T/C)
8812	CakSNP8812	Kabuli	Ca_Kabuli_Ch05	37067384	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8813	CakSNP8813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37083276	(T/G)
8814	CakSNP8814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37083275	(G/T)
8815	CakSNP8815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37114574	(A/G)
8816	CakSNP8816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37126371	(A/G)
8817	CakSNP8817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37126354	(T/C)
8818	CakSNP8818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37147572	(C/T)
8819	CakSNP8819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37167061	(A/G)
8820	CakSNP8820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37167114	(A/T)
8821	CakSNP8821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37167108	(A/T)
8822	CakSNP8822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37194939	(G/A)
8823	CakSNP8823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37194917	(G/A)
8824	CakSNP8824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37197321	(C/A)
8825	CakSNP8825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37207821	(A/T)
8826	CakSNP8826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37207837	(G/T)
8827	CakSNP8827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37211645	(T/G)
8828	CakSNP8828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37213853	(C/T)
8829	CakSNP8829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37232307	(T/C)
8830	CakSNP8830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37254596	(A/G)
8831	CakSNP8831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37260601	(T/C)
8832	CakSNP8832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37274572	(C/T)
8833	CakSNP8833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37274583	(C/T)
8834	CakSNP8834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37274616	(C/G)
8835	CakSNP8835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37309917	(T/G)
8836	CakSNP8836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37309935	(T/G)
8837	CakSNP8837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332101	(G/T)
8838	CakSNP8838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332198	(G/A)
8839	CakSNP8839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332304	(G/A)
8840	CakSNP8840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332303	(A/C)
8841	CakSNP8841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332370	(T/C)
8842	CakSNP8842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332441	(T/C)
8843	CakSNP8843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37332501	(C/T)
8844	CakSNP8844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37339022	(T/G)
8845	CakSNP8845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37339358	(T/G)
8846	CakSNP8846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37339327	(A/G)
8847	CakSNP8847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37339300	(A/G)
8848	CakSNP8848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37342358	(G/T)
8849	CakSNP8849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37363626	(C/T)
8850	CakSNP8850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37375575	(C/G)
8851	CakSNP8851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37375620	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8852	CakSNP8852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37445226	(A/G)
8853	CakSNP8853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37460980	(A/G)
8854	CakSNP8854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37468727	(T/C)
8855	CakSNP8855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37468755	(G/A)
8856	CakSNP8856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37555816	(T/A)
8857	CakSNP8857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37555846	(T/A)
8858	CakSNP8858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37578999	(T/G)
8859	CakSNP8859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37591782	(A/T)
8860	CakSNP8860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37593444	(A/T)
8861	CakSNP8861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37594347	(T/C)
8862	CakSNP8862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37604030	(T/C)
8863	CakSNP8863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37604090	(G/T)
8864	CakSNP8864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37604780	(C/T)
8865	CakSNP8865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37796337	(T/G)
8866	CakSNP8866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37798313	(T/G)
8867	CakSNP8867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37868250	(C/T)
8868	CakSNP8868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37868256	(T/A)
8869	CakSNP8869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37869744	(T/C)
8870	CakSNP8870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37872223	(C/G)
8871	CakSNP8871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37874564	(T/A)
8872	CakSNP8872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37874725	(A/C)
8873	CakSNP8873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37874694	(C/T)
8874	CakSNP8874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37886417	(T/G)
8875	CakSNP8875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37899098	(T/C)
8876	CakSNP8876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37899238	(T/C)
8877	CakSNP8877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37908818	(A/C)
8878	CakSNP8878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37908807	(A/T)
8879	CakSNP8879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	37911813	(A/C)
8880	CakSNP8880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38018552	(A/T)
8881	CakSNP8881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38018558	(G/C)
8882	CakSNP8882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38057582	(C/T)
8883	CakSNP8883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38080226	(A/G)
8884	CakSNP8884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38080349	(C/T)
8885	CakSNP8885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38092606	(G/A)
8886	CakSNP8886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38092619	(T/C)
8887	CakSNP8887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38092732	(C/T)
8888	CakSNP8888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38092735	(C/T)
8889	CakSNP8889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38092793	(C/T)
8890	CakSNP8890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38102941	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8891	CakSNP8891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38108396	(G/A)
8892	CakSNP8892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38110219	(T/G)
8893	CakSNP8893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38220843	(G/A)
8894	CakSNP8894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38220908	(G/T)
8895	CakSNP8895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38248895	(A/C)
8896	CakSNP8896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38249134	(T/C)
8897	CakSNP8897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38249132	(A/C)
8898	CakSNP8898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38266153	(G/A)
8899	CakSNP8899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38307036	(G/A)
8900	CakSNP8900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38333718	(C/T)
8901	CakSNP8901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38333746	(G/A)
8902	CakSNP8902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38333774	(A/G)
8903	CakSNP8903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38347201	(A/C)
8904	CakSNP8904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38455563	(A/C)
8905	CakSNP8905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38509657	(A/C)
8906	CakSNP8906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38538904	(A/G)
8907	CakSNP8907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38551438	(C/T)
8908	CakSNP8908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38551381	(G/A)
8909	CakSNP8909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38647040	(A/C)
8910	CakSNP8910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38656599	(C/T)
8911	CakSNP8911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38783604	(C/A)
8912	CakSNP8912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38784078	(G/A)
8913	CakSNP8913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38784074	(A/G)
8914	CakSNP8914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38784150	(T/A)
8915	CakSNP8915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38784129	(G/C)
8916	CakSNP8916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38857904	(T/C)
8917	CakSNP8917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38872143	(A/G)
8918	CakSNP8918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38892604	(A/C)
8919	CakSNP8919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38898971	(G/A)
8920	CakSNP8920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38909701	(C/T)
8921	CakSNP8921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38937304	(C/G)
8922	CakSNP8922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38937398	(C/A)
8923	CakSNP8923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38939578	(C/A)
8924	CakSNP8924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38984762	(A/G)
8925	CakSNP8925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38984769	(A/C)
8926	CakSNP8926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	38984776	(A/G)
8927	CakSNP8927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39008980	(G/A)
8928	CakSNP8928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39137170	(A/G)
8929	CakSNP8929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39175007	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8930	CakSNP8930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39176391	(T/A)
8931	CakSNP8931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39266333	(T/C)
8932	CakSNP8932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39277581	(T/C)
8933	CakSNP8933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39283856	(G/A)
8934	CakSNP8934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39326933	(G/T)
8935	CakSNP8935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39353755	(T/G)
8936	CakSNP8936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364522	(T/C)
8937	CakSNP8937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364569	(G/A)
8938	CakSNP8938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364571	(C/A)
8939	CakSNP8939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364720	(A/T)
8940	CakSNP8940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364700	(C/A)
8941	CakSNP8941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364695	(A/C)
8942	CakSNP8942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364667	(T/A)
8943	CakSNP8943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364741	(A/T)
8944	CakSNP8944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364752	(G/T)
8945	CakSNP8945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364895	(A/C)
8946	CakSNP8946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364856	(A/G)
8947	CakSNP8947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364848	(C/T)
8948	CakSNP8948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39364841	(A/T)
8949	CakSNP8949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39366353	(C/G)
8950	CakSNP8950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39385603	(T/G)
8951	CakSNP8951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39385630	(C/T)
8952	CakSNP8952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39410377	(T/G)
8953	CakSNP8953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39410329	(T/G)
8954	CakSNP8954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39460567	(A/C)
8955	CakSNP8955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39475960	(T/C)
8956	CakSNP8956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39476040	(T/G)
8957	CakSNP8957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39498665	(G/A)
8958	CakSNP8958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39513563	(C/A)
8959	CakSNP8959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39543929	(C/T)
8960	CakSNP8960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576823	(C/T)
8961	CakSNP8961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576836	(T/A)
8962	CakSNP8962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576839	(C/T)
8963	CakSNP8963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576864	(C/A)
8964	CakSNP8964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576870	(C/T)
8965	CakSNP8965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576874	(G/T)
8966	CakSNP8966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39576841	(G/A)
8967	CakSNP8967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39592439	(A/G)
8968	CakSNP8968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39597485	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
8969	CakSNP8969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39597459	(T/C)
8970	CakSNP8970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39608204	(A/G)
8971	CakSNP8971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39608209	(G/T)
8972	CakSNP8972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39684480	(A/G)
8973	CakSNP8973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39684592	(A/T)
8974	CakSNP8974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39713021	(G/A)
8975	CakSNP8975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39776794	(G/A)
8976	CakSNP8976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39776795	(G/A)
8977	CakSNP8977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39776818	(C/T)
8978	CakSNP8978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39776850	(G/A)
8979	CakSNP8979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39776869	(C/T)
8980	CakSNP8980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39794718	(C/T)
8981	CakSNP8981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39851570	(T/G)
8982	CakSNP8982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39869398	(C/T)
8983	CakSNP8983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39943298	(C/T)
8984	CakSNP8984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39985042	(G/A)
8985	CakSNP8985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	39985332	(A/G)
8986	CakSNP8986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40018264	(A/C)
8987	CakSNP8987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40020062	(C/T)
8988	CakSNP8988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40020073	(C/G)
8989	CakSNP8989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40025250	(G/A)
8990	CakSNP8990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40025319	(T/C)
8991	CakSNP8991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40025326	(C/T)
8992	CakSNP8992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40025376	(A/G)
8993	CakSNP8993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40025377	(T/A)
8994	CakSNP8994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40027707	(A/G)
8995	CakSNP8995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40078085	(C/G)
8996	CakSNP8996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40078077	(A/G)
8997	CakSNP8997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40159260	(C/A)
8998	CakSNP8998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40159348	(G/A)
8999	CakSNP8999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40162755	(T/C)
9000	CakSNP9000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40162995	(C/T)
9001	CakSNP9001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40164176	(C/G)
9002	CakSNP9002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40239397	(G/C)
9003	CakSNP9003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40290082	(G/A)
9004	CakSNP9004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40290066	(A/G)
9005	CakSNP9005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40404136	(C/T)
9006	CakSNP9006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40404105	(G/C)
9007	CakSNP9007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40410891	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9008	CakSNP9008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40410895	(G/T)
9009	CakSNP9009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40411325	(G/C)
9010	CakSNP9010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40464608	(A/G)
9011	CakSNP9011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40505498	(T/G)
9012	CakSNP9012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507018	(T/A)
9013	CakSNP9013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507107	(A/G)
9014	CakSNP9014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507116	(A/G)
9015	CakSNP9015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507158	(A/G)
9016	CakSNP9016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507653	(G/C)
9017	CakSNP9017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507662	(C/T)
9018	CakSNP9018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40507683	(G/T)
9019	CakSNP9019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40532435	(A/G)
9020	CakSNP9020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40543989	(G/T)
9021	CakSNP9021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40553279	(C/G)
9022	CakSNP9022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40631069	(G/C)
9023	CakSNP9023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40666160	(T/A)
9024	CakSNP9024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40666171	(T/C)
9025	CakSNP9025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40666174	(C/T)
9026	CakSNP9026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40673241	(A/G)
9027	CakSNP9027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40700278	(C/G)
9028	CakSNP9028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40700260	(T/C)
9029	CakSNP9029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40700318	(C/A)
9030	CakSNP9030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40700772	(C/T)
9031	CakSNP9031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40736291	(C/G)
9032	CakSNP9032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40828566	(A/C)
9033	CakSNP9033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40828567	(G/C)
9034	CakSNP9034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40841690	(C/T)
9035	CakSNP9035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40845320	(C/T)
9036	CakSNP9036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40883438	(C/A)
9037	CakSNP9037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40955055	(A/T)
9038	CakSNP9038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	40966058	(G/A)
9039	CakSNP9039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41024079	(A/G)
9040	CakSNP9040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41024135	(C/G)
9041	CakSNP9041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41024201	(G/A)
9042	CakSNP9042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41054578	(A/G)
9043	CakSNP9043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41055111	(T/A)
9044	CakSNP9044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41063657	(C/T)
9045	CakSNP9045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41066644	(C/G)
9046	CakSNP9046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41066664	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9047	CakSNP9047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41066667	(C/A)
9048	CakSNP9048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41080035	(C/T)
9049	CakSNP9049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41191566	(A/T)
9050	CakSNP9050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41191676	(G/C)
9051	CakSNP9051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41197909	(A/T)
9052	CakSNP9052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41203594	(C/T)
9053	CakSNP9053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41253742	(A/G)
9054	CakSNP9054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41283253	(T/C)
9055	CakSNP9055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41283453	(A/C)
9056	CakSNP9056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41285223	(A/C)
9057	CakSNP9057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302544	(C/G)
9058	CakSNP9058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302601	(G/A)
9059	CakSNP9059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302733	(T/C)
9060	CakSNP9060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302804	(A/G)
9061	CakSNP9061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302859	(C/A)
9062	CakSNP9062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302901	(C/A)
9063	CakSNP9063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302900	(T/A)
9064	CakSNP9064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41302895	(G/A)
9065	CakSNP9065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41304103	(G/A)
9066	CakSNP9066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41399241	(C/T)
9067	CakSNP9067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41407077	(A/C)
9068	CakSNP9068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41407253	(T/C)
9069	CakSNP9069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41519141	(C/T)
9070	CakSNP9070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41521854	(T/G)
9071	CakSNP9071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41526026	(T/G)
9072	CakSNP9072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41635262	(C/T)
9073	CakSNP9073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41678144	(C/T)
9074	CakSNP9074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41696426	(T/C)
9075	CakSNP9075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41696496	(G/C)
9076	CakSNP9076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41701479	(T/C)
9077	CakSNP9077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41772759	(G/A)
9078	CakSNP9078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41887214	(A/T)
9079	CakSNP9079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41902419	(A/C)
9080	CakSNP9080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41945316	(A/G)
9081	CakSNP9081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41945373	(C/T)
9082	CakSNP9082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41945308	(G/A)
9083	CakSNP9083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	41974690	(T/C)
9084	CakSNP9084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004600	(T/G)
9085	CakSNP9085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004602	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9086	CakSNP9086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004734	(G/A)
9087	CakSNP9087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004742	(G/A)
9088	CakSNP9088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004751	(G/A)
9089	CakSNP9089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42004753	(C/A)
9090	CakSNP9090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42008626	(A/C)
9091	CakSNP9091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42012972	(C/A)
9092	CakSNP9092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42012983	(G/A)
9093	CakSNP9093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42012998	(C/T)
9094	CakSNP9094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42020435	(A/G)
9095	CakSNP9095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42100070	(A/G)
9096	CakSNP9096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42117516	(C/T)
9097	CakSNP9097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42120698	(T/C)
9098	CakSNP9098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42120735	(G/C)
9099	CakSNP9099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42121472	(C/A)
9100	CakSNP9100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42225634	(G/A)
9101	CakSNP9101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42275523	(G/A)
9102	CakSNP9102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42282297	(G/A)
9103	CakSNP9103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42413430	(A/C)
9104	CakSNP9104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42422867	(C/A)
9105	CakSNP9105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42422845	(T/C)
9106	CakSNP9106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42422837	(G/A)
9107	CakSNP9107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42422808	(A/G)
9108	CakSNP9108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42422932	(C/A)
9109	CakSNP9109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42435263	(C/T)
9110	CakSNP9110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42436972	(A/G)
9111	CakSNP9111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42436976	(A/T)
9112	CakSNP9112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42443786	(A/G)
9113	CakSNP9113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42477712	(G/A)
9114	CakSNP9114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42485130	(T/C)
9115	CakSNP9115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42528744	(T/G)
9116	CakSNP9116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42528934	(A/G)
9117	CakSNP9117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42540675	(A/T)
9118	CakSNP9118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42582262	(T/A)
9119	CakSNP9119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42655824	(A/G)
9120	CakSNP9120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42749499	(C/T)
9121	CakSNP9121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42792635	(G/A)
9122	CakSNP9122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42814621	(C/T)
9123	CakSNP9123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42814623	(A/G)
9124	CakSNP9124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42857977	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9125	CakSNP9125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42863366	(C/T)
9126	CakSNP9126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42872074	(A/C)
9127	CakSNP9127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42872091	(A/G)
9128	CakSNP9128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42881185	(C/T)
9129	CakSNP9129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42882945	(C/T)
9130	CakSNP9130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42882965	(C/T)
9131	CakSNP9131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42883163	(T/C)
9132	CakSNP9132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42910653	(A/G)
9133	CakSNP9133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42910661	(A/G)
9134	CakSNP9134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42910732	(A/T)
9135	CakSNP9135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42924113	(C/T)
9136	CakSNP9136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42928986	(T/G)
9137	CakSNP9137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42929087	(A/C)
9138	CakSNP9138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42946580	(T/C)
9139	CakSNP9139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42946716	(A/T)
9140	CakSNP9140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	42999704	(C/T)
9141	CakSNP9141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43000210	(A/G)
9142	CakSNP9142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43034618	(T/A)
9143	CakSNP9143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43037863	(G/A)
9144	CakSNP9144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43060091	(C/T)
9145	CakSNP9145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43067894	(T/C)
9146	CakSNP9146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43067891	(G/C)
9147	CakSNP9147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43067905	(A/C)
9148	CakSNP9148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43080493	(G/A)
9149	CakSNP9149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43081783	(G/A)
9150	CakSNP9150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43110660	(G/A)
9151	CakSNP9151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43110669	(A/T)
9152	CakSNP9152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43110726	(T/G)
9153	CakSNP9153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43110737	(A/G)
9154	CakSNP9154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43175781	(G/A)
9155	CakSNP9155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43188824	(T/G)
9156	CakSNP9156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43188853	(C/A)
9157	CakSNP9157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43210793	(T/C)
9158	CakSNP9158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43212083	(G/A)
9159	CakSNP9159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43212066	(C/T)
9160	CakSNP9160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43221125	(T/C)
9161	CakSNP9161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43231220	(T/C)
9162	CakSNP9162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43231265	(C/T)
9163	CakSNP9163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43253586	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9164	CakSNP9164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43275472	(T/C)
9165	CakSNP9165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43334903	(T/C)
9166	CakSNP9166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43341646	(A/C)
9167	CakSNP9167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43402230	(C/T)
9168	CakSNP9168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43410326	(T/G)
9169	CakSNP9169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43423593	(G/C)
9170	CakSNP9170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43521774	(A/T)
9171	CakSNP9171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43521789	(G/A)
9172	CakSNP9172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43521830	(T/C)
9173	CakSNP9173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43521851	(G/A)
9174	CakSNP9174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43523560	(A/G)
9175	CakSNP9175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43530567	(C/T)
9176	CakSNP9176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43565712	(T/C)
9177	CakSNP9177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632249	(C/A)
9178	CakSNP9178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632281	(C/G)
9179	CakSNP9179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632349	(T/A)
9180	CakSNP9180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632400	(A/G)
9181	CakSNP9181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632377	(C/T)
9182	CakSNP9182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632481	(G/T)
9183	CakSNP9183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43632508	(A/G)
9184	CakSNP9184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43710359	(T/G)
9185	CakSNP9185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43710362	(A/T)
9186	CakSNP9186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43710366	(G/T)
9187	CakSNP9187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43710391	(A/G)
9188	CakSNP9188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43742448	(C/T)
9189	CakSNP9189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43742456	(G/A)
9190	CakSNP9190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43755074	(A/G)
9191	CakSNP9191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43755756	(A/G)
9192	CakSNP9192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43759059	(A/C)
9193	CakSNP9193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43786883	(A/G)
9194	CakSNP9194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43789875	(C/G)
9195	CakSNP9195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43790108	(G/A)
9196	CakSNP9196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43812119	(G/A)
9197	CakSNP9197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43812213	(C/T)
9198	CakSNP9198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43859301	(G/A)
9199	CakSNP9199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43904489	(T/A)
9200	CakSNP9200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43919009	(C/T)
9201	CakSNP9201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43919017	(T/G)
9202	CakSNP9202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43919022	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9203	CakSNP9203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43919028	(A/G)
9204	CakSNP9204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43982994	(C/T)
9205	CakSNP9205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	43995843	(T/C)
9206	CakSNP9206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44002824	(T/G)
9207	CakSNP9207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44002862	(C/A)
9208	CakSNP9208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44038229	(T/C)
9209	CakSNP9209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44064495	(G/A)
9210	CakSNP9210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44080450	(G/C)
9211	CakSNP9211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44109260	(G/T)
9212	CakSNP9212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44154671	(A/G)
9213	CakSNP9213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44159237	(C/G)
9214	CakSNP9214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44289612	(T/C)
9215	CakSNP9215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44334286	(C/G)
9216	CakSNP9216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44334318	(C/T)
9217	CakSNP9217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44364134	(C/T)
9218	CakSNP9218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44373968	(G/T)
9219	CakSNP9219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44378178	(C/A)
9220	CakSNP9220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44428965	(G/A)
9221	CakSNP9221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44461250	(A/G)
9222	CakSNP9222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44491489	(G/T)
9223	CakSNP9223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44555718	(A/C)
9224	CakSNP9224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44561095	(T/C)
9225	CakSNP9225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44656921	(G/A)
9226	CakSNP9226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44667285	(C/T)
9227	CakSNP9227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44667297	(C/T)
9228	CakSNP9228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44667359	(C/A)
9229	CakSNP9229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44760403	(A/G)
9230	CakSNP9230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44760347	(G/T)
9231	CakSNP9231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44760469	(C/T)
9232	CakSNP9232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44760490	(C/A)
9233	CakSNP9233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44772326	(G/A)
9234	CakSNP9234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44884779	(G/C)
9235	CakSNP9235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44887105	(T/G)
9236	CakSNP9236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44887241	(T/C)
9237	CakSNP9237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44887234	(A/C)
9238	CakSNP9238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44891426	(G/C)
9239	CakSNP9239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44911842	(C/T)
9240	CakSNP9240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44911868	(C/G)
9241	CakSNP9241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44911881	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9242	CakSNP9242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44911906	(C/T)
9243	CakSNP9243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44918947	(C/A)
9244	CakSNP9244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44938814	(A/T)
9245	CakSNP9245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44938832	(A/G)
9246	CakSNP9246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44939058	(C/G)
9247	CakSNP9247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	44939033	(G/A)
9248	CakSNP9248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087170	(G/A)
9249	CakSNP9249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087156	(A/G)
9250	CakSNP9250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087146	(C/G)
9251	CakSNP9251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087140	(C/A)
9252	CakSNP9252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087202	(G/C)
9253	CakSNP9253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087267	(A/G)
9254	CakSNP9254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087228	(A/C)
9255	CakSNP9255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45087215	(G/A)
9256	CakSNP9256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45215617	(G/A)
9257	CakSNP9257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45219125	(C/T)
9258	CakSNP9258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45219258	(G/T)
9259	CakSNP9259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45219355	(T/G)
9260	CakSNP9260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45254102	(C/T)
9261	CakSNP9261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45254112	(T/G)
9262	CakSNP9262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45301772	(T/G)
9263	CakSNP9263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45337274	(C/G)
9264	CakSNP9264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45337307	(C/T)
9265	CakSNP9265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45406853	(C/T)
9266	CakSNP9266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45407063	(G/A)
9267	CakSNP9267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45407044	(A/C)
9268	CakSNP9268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45414089	(C/G)
9269	CakSNP9269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45428229	(A/G)
9270	CakSNP9270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45429513	(A/G)
9271	CakSNP9271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45429518	(T/G)
9272	CakSNP9272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45441223	(C/T)
9273	CakSNP9273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45444675	(G/T)
9274	CakSNP9274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45444924	(G/T)
9275	CakSNP9275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45480175	(T/G)
9276	CakSNP9276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45501379	(C/T)
9277	CakSNP9277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45540473	(G/A)
9278	CakSNP9278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45559874	(C/A)
9279	CakSNP9279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45601196	(A/G)
9280	CakSNP9280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45601313	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9281	CakSNP9281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45642344	(C/A)
9282	CakSNP9282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45646235	(A/G)
9283	CakSNP9283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45649180	(G/A)
9284	CakSNP9284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45649189	(G/A)
9285	CakSNP9285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45661109	(T/C)
9286	CakSNP9286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45694453	(T/G)
9287	CakSNP9287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45710509	(G/A)
9288	CakSNP9288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45710476	(A/G)
9289	CakSNP9289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45726539	(T/A)
9290	CakSNP9290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45726995	(C/T)
9291	CakSNP9291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45727022	(T/C)
9292	CakSNP9292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45750121	(A/T)
9293	CakSNP9293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45798850	(C/A)
9294	CakSNP9294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45798966	(T/G)
9295	CakSNP9295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45798950	(C/T)
9296	CakSNP9296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45798919	(C/A)
9297	CakSNP9297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45808905	(G/A)
9298	CakSNP9298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45832009	(T/G)
9299	CakSNP9299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45832048	(C/G)
9300	CakSNP9300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45832070	(A/T)
9301	CakSNP9301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45842438	(A/C)
9302	CakSNP9302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45845081	(A/C)
9303	CakSNP9303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45848030	(A/G)
9304	CakSNP9304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45848087	(T/G)
9305	CakSNP9305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45952107	(A/G)
9306	CakSNP9306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45952842	(A/C)
9307	CakSNP9307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45971560	(G/A)
9308	CakSNP9308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	45978758	(A/G)
9309	CakSNP9309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46002514	(C/T)
9310	CakSNP9310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46002497	(G/A)
9311	CakSNP9311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46018939	(C/T)
9312	CakSNP9312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46019052	(T/A)
9313	CakSNP9313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022566	(C/T)
9314	CakSNP9314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022598	(T/C)
9315	CakSNP9315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022551	(G/A)
9316	CakSNP9316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022549	(G/A)
9317	CakSNP9317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022547	(G/A)
9318	CakSNP9318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022544	(A/G)
9319	CakSNP9319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46022531	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9320	CakSNP9320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46049587	(A/G)
9321	CakSNP9321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46050168	(A/T)
9322	CakSNP9322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46077190	(T/C)
9323	CakSNP9323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46077302	(G/A)
9324	CakSNP9324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46083283	(G/A)
9325	CakSNP9325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46083343	(T/G)
9326	CakSNP9326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46083414	(T/G)
9327	CakSNP9327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46119122	(G/A)
9328	CakSNP9328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46119182	(A/G)
9329	CakSNP9329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46130289	(A/C)
9330	CakSNP9330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46155262	(C/T)
9331	CakSNP9331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46176366	(T/C)
9332	CakSNP9332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46176443	(G/A)
9333	CakSNP9333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46214229	(G/T)
9334	CakSNP9334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46214233	(C/T)
9335	CakSNP9335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46230010	(G/C)
9336	CakSNP9336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46230011	(G/A)
9337	CakSNP9337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46230109	(T/G)
9338	CakSNP9338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46246419	(G/C)
9339	CakSNP9339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46252617	(C/T)
9340	CakSNP9340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46252643	(T/A)
9341	CakSNP9341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46252605	(C/A)
9342	CakSNP9342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46260822	(C/T)
9343	CakSNP9343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46294000	(G/A)
9344	CakSNP9344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46300789	(G/A)
9345	CakSNP9345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46301639	(A/G)
9346	CakSNP9346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46321992	(C/T)
9347	CakSNP9347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46328589	(C/A)
9348	CakSNP9348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46328627	(A/G)
9349	CakSNP9349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46328895	(T/C)
9350	CakSNP9350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46328902	(C/T)
9351	CakSNP9351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46344109	(G/T)
9352	CakSNP9352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46344121	(G/A)
9353	CakSNP9353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46356764	(G/A)
9354	CakSNP9354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46366598	(G/T)
9355	CakSNP9355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46368606	(G/T)
9356	CakSNP9356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46376496	(G/T)
9357	CakSNP9357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46376532	(A/C)
9358	CakSNP9358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46403922	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9359	CakSNP9359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46422788	(C/G)
9360	CakSNP9360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46422869	(A/T)
9361	CakSNP9361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46445611	(A/T)
9362	CakSNP9362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46445651	(G/T)
9363	CakSNP9363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46491761	(C/G)
9364	CakSNP9364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46526963	(A/C)
9365	CakSNP9365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46621351	(G/A)
9366	CakSNP9366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46621455	(C/T)
9367	CakSNP9367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46668462	(T/C)
9368	CakSNP9368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46792131	(C/T)
9369	CakSNP9369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46945916	(G/A)
9370	CakSNP9370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	46956474	(T/C)
9371	CakSNP9371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47061531	(C/T)
9372	CakSNP9372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47073011	(A/T)
9373	CakSNP9373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47073016	(G/C)
9374	CakSNP9374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47091499	(C/T)
9375	CakSNP9375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47151660	(C/G)
9376	CakSNP9376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47151840	(T/G)
9377	CakSNP9377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47165299	(A/C)
9378	CakSNP9378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47256002	(G/T)
9379	CakSNP9379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47256038	(A/T)
9380	CakSNP9380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47289004	(A/C)
9381	CakSNP9381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47298345	(A/G)
9382	CakSNP9382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47329979	(T/G)
9383	CakSNP9383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47362666	(T/G)
9384	CakSNP9384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47362814	(C/T)
9385	CakSNP9385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47375789	(C/T)
9386	CakSNP9386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47422536	(G/A)
9387	CakSNP9387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47518533	(G/A)
9388	CakSNP9388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47539345	(T/C)
9389	CakSNP9389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47539505	(G/T)
9390	CakSNP9390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47570939	(T/C)
9391	CakSNP9391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47591327	(G/T)
9392	CakSNP9392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47594471	(T/C)
9393	CakSNP9393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47641224	(A/C)
9394	CakSNP9394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47641472	(T/C)
9395	CakSNP9395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47641628	(T/C)
9396	CakSNP9396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47641567	(A/G)
9397	CakSNP9397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47643992	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9398	CakSNP9398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47669124	(A/G)
9399	CakSNP9399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47670649	(G/A)
9400	CakSNP9400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47706780	(G/A)
9401	CakSNP9401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47718830	(A/G)
9402	CakSNP9402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47718839	(A/G)
9403	CakSNP9403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47733645	(A/G)
9404	CakSNP9404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47759169	(T/G)
9405	CakSNP9405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47759745	(G/A)
9406	CakSNP9406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47761348	(A/G)
9407	CakSNP9407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47761322	(C/A)
9408	CakSNP9408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47770909	(T/G)
9409	CakSNP9409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47774516	(A/G)
9410	CakSNP9410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47774559	(C/T)
9411	CakSNP9411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47774718	(C/G)
9412	CakSNP9412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47775175	(C/T)
9413	CakSNP9413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47782605	(G/A)
9414	CakSNP9414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47782606	(C/T)
9415	CakSNP9415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47782697	(T/C)
9416	CakSNP9416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47782843	(T/C)
9417	CakSNP9417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47803636	(C/A)
9418	CakSNP9418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47812041	(C/T)
9419	CakSNP9419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47813712	(T/C)
9420	CakSNP9420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47813767	(A/G)
9421	CakSNP9421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47829261	(T/C)
9422	CakSNP9422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47829331	(T/A)
9423	CakSNP9423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47871094	(C/T)
9424	CakSNP9424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47871137	(G/A)
9425	CakSNP9425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47871248	(G/T)
9426	CakSNP9426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47871234	(A/G)
9427	CakSNP9427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47871194	(T/C)
9428	CakSNP9428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47878997	(C/T)
9429	CakSNP9429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47901017	(G/T)
9430	CakSNP9430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47931566	(T/C)
9431	CakSNP9431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47941783	(C/T)
9432	CakSNP9432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47943743	(G/A)
9433	CakSNP9433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47965279	(G/A)
9434	CakSNP9434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47994780	(A/C)
9435	CakSNP9435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	47997751	(A/T)
9436	CakSNP9436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48005123	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9437	CakSNP9437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48005073	(G/A)
9438	CakSNP9438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48042132	(A/C)
9439	CakSNP9439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48063028	(A/T)
9440	CakSNP9440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48069744	(G/A)
9441	CakSNP9441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48069811	(G/C)
9442	CakSNP9442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48069859	(A/T)
9443	CakSNP9443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48069844	(T/C)
9444	CakSNP9444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr05</i>	48069833	(G/A)
9445	CakSNP9445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1916	(T/C)
9446	CakSNP9446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1847	(G/T)
9447	CakSNP9447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	140189	(A/G)
9448	CakSNP9448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	140279	(T/C)
9449	CakSNP9449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	140320	(G/A)
9450	CakSNP9450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	152513	(C/T)
9451	CakSNP9451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	152556	(T/C)
9452	CakSNP9452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166823	(G/A)
9453	CakSNP9453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166806	(C/T)
9454	CakSNP9454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166959	(G/A)
9455	CakSNP9455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166943	(G/A)
9456	CakSNP9456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166938	(G/T)
9457	CakSNP9457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166934	(G/A)
9458	CakSNP9458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166932	(G/A)
9459	CakSNP9459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	166911	(A/G)
9460	CakSNP9460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	204368	(G/A)
9461	CakSNP9461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	204412	(G/C)
9462	CakSNP9462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	204438	(T/C)
9463	CakSNP9463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	267151	(A/G)
9464	CakSNP9464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	269269	(T/G)
9465	CakSNP9465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	324301	(C/T)
9466	CakSNP9466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	348283	(C/T)
9467	CakSNP9467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	348295	(G/C)
9468	CakSNP9468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	375684	(T/G)
9469	CakSNP9469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	386250	(A/G)
9470	CakSNP9470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	474489	(C/A)
9471	CakSNP9471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	505875	(T/C)
9472	CakSNP9472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	515221	(T/G)
9473	CakSNP9473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	548416	(A/T)
9474	CakSNP9474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	551130	(T/G)
9475	CakSNP9475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	561562	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9476	CakSNP9476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	580616	(G/C)
9477	CakSNP9477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	588592	(C/A)
9478	CakSNP9478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	638983	(T/A)
9479	CakSNP9479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	645755	(G/T)
9480	CakSNP9480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	645746	(G/T)
9481	CakSNP9481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	647322	(A/C)
9482	CakSNP9482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697187	(A/G)
9483	CakSNP9483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697169	(A/G)
9484	CakSNP9484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697168	(C/T)
9485	CakSNP9485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697162	(A/G)
9486	CakSNP9486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697158	(G/A)
9487	CakSNP9487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697148	(C/T)
9488	CakSNP9488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697147	(A/G)
9489	CakSNP9489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	697142	(G/C)
9490	CakSNP9490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	894921	(A/G)
9491	CakSNP9491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	902403	(G/A)
9492	CakSNP9492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	902402	(T/C)
9493	CakSNP9493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	949263	(C/A)
9494	CakSNP9494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	961652	(C/T)
9495	CakSNP9495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	961805	(C/T)
9496	CakSNP9496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	961733	(T/A)
9497	CakSNP9497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	997997	(T/A)
9498	CakSNP9498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1130293	(C/T)
9499	CakSNP9499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1212889	(G/A)
9500	CakSNP9500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1220425	(C/T)
9501	CakSNP9501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1220460	(G/C)
9502	CakSNP9502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1220465	(G/A)
9503	CakSNP9503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1220510	(A/T)
9504	CakSNP9504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1220499	(C/G)
9505	CakSNP9505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1287168	(C/T)
9506	CakSNP9506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1290413	(C/G)
9507	CakSNP9507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1290538	(T/G)
9508	CakSNP9508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1295748	(T/C)
9509	CakSNP9509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1312881	(T/C)
9510	CakSNP9510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1312932	(G/A)
9511	CakSNP9511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1312982	(C/A)
9512	CakSNP9512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1315583	(G/C)
9513	CakSNP9513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1626723	(T/C)
9514	CakSNP9514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1626712	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9515	CakSNP9515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1817599	(C/T)
9516	CakSNP9516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1817602	(A/T)
9517	CakSNP9517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1817607	(T/C)
9518	CakSNP9518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1817628	(A/T)
9519	CakSNP9519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1932114	(C/G)
9520	CakSNP9520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1932175	(G/A)
9521	CakSNP9521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1966137	(T/C)
9522	CakSNP9522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1978781	(C/A)
9523	CakSNP9523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1978864	(A/C)
9524	CakSNP9524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	1978867	(T/A)
9525	CakSNP9525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2037575	(G/T)
9526	CakSNP9526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2037599	(A/G)
9527	CakSNP9527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2037620	(T/G)
9528	CakSNP9528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2037623	(T/G)
9529	CakSNP9529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2037626	(C/T)
9530	CakSNP9530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2050907	(A/G)
9531	CakSNP9531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2061459	(A/G)
9532	CakSNP9532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2078416	(T/A)
9533	CakSNP9533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2079137	(T/G)
9534	CakSNP9534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2079186	(G/T)
9535	CakSNP9535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2083784	(A/T)
9536	CakSNP9536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2083805	(G/A)
9537	CakSNP9537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2083813	(T/C)
9538	CakSNP9538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2126667	(C/T)
9539	CakSNP9539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2126655	(G/A)
9540	CakSNP9540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2140189	(G/T)
9541	CakSNP9541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2140406	(G/A)
9542	CakSNP9542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2193748	(T/A)
9543	CakSNP9543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2193763	(A/C)
9544	CakSNP9544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2193803	(G/A)
9545	CakSNP9545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2214131	(T/A)
9546	CakSNP9546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2214178	(T/C)
9547	CakSNP9547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2214247	(A/G)
9548	CakSNP9548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2223544	(A/T)
9549	CakSNP9549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2223578	(T/G)
9550	CakSNP9550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2223664	(A/C)
9551	CakSNP9551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2244901	(A/C)
9552	CakSNP9552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2275505	(A/G)
9553	CakSNP9553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2275524	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9554	CakSNP9554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2275553	(A/G)
9555	CakSNP9555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2280734	(T/A)
9556	CakSNP9556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2280752	(A/G)
9557	CakSNP9557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2286205	(A/G)
9558	CakSNP9558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2286237	(C/T)
9559	CakSNP9559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2294911	(T/G)
9560	CakSNP9560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2303123	(T/G)
9561	CakSNP9561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2313683	(A/C)
9562	CakSNP9562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2313828	(G/A)
9563	CakSNP9563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2314029	(T/C)
9564	CakSNP9564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2327842	(A/G)
9565	CakSNP9565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2462481	(C/T)
9566	CakSNP9566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2502485	(A/G)
9567	CakSNP9567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2527768	(A/G)
9568	CakSNP9568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2542942	(A/T)
9569	CakSNP9569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2542981	(T/C)
9570	CakSNP9570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2543096	(C/T)
9571	CakSNP9571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2543062	(A/G)
9572	CakSNP9572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2548412	(A/G)
9573	CakSNP9573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2549997	(C/T)
9574	CakSNP9574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2549991	(T/C)
9575	CakSNP9575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2550154	(A/C)
9576	CakSNP9576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2623370	(T/C)
9577	CakSNP9577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2625793	(C/G)
9578	CakSNP9578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2633941	(A/T)
9579	CakSNP9579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2639558	(T/A)
9580	CakSNP9580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2639606	(A/G)
9581	CakSNP9581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2639607	(T/C)
9582	CakSNP9582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2676594	(C/T)
9583	CakSNP9583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2714894	(T/C)
9584	CakSNP9584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2714897	(C/A)
9585	CakSNP9585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2714918	(T/G)
9586	CakSNP9586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2717150	(G/A)
9587	CakSNP9587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2740630	(A/G)
9588	CakSNP9588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2740765	(A/G)
9589	CakSNP9589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2740784	(T/C)
9590	CakSNP9590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2741185	(G/A)
9591	CakSNP9591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2777609	(A/G)
9592	CakSNP9592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2802942	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9593	CakSNP9593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2811345	(A/G)
9594	CakSNP9594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2812794	(A/C)
9595	CakSNP9595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2812719	(G/A)
9596	CakSNP9596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2813244	(G/A)
9597	CakSNP9597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2821836	(G/T)
9598	CakSNP9598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2846051	(C/T)
9599	CakSNP9599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2846018	(T/C)
9600	CakSNP9600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2855691	(C/G)
9601	CakSNP9601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2864713	(G/A)
9602	CakSNP9602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2919355	(A/C)
9603	CakSNP9603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2925908	(A/G)
9604	CakSNP9604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2925962	(G/C)
9605	CakSNP9605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2926006	(T/C)
9606	CakSNP9606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2927224	(G/A)
9607	CakSNP9607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2927255	(C/A)
9608	CakSNP9608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2927271	(G/A)
9609	CakSNP9609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2927386	(C/G)
9610	CakSNP9610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2927387	(T/C)
9611	CakSNP9611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2929355	(C/T)
9612	CakSNP9612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2930453	(T/C)
9613	CakSNP9613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2930459	(C/T)
9614	CakSNP9614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2930504	(T/C)
9615	CakSNP9615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932029	(T/C)
9616	CakSNP9616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932179	(T/G)
9617	CakSNP9617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932168	(A/C)
9618	CakSNP9618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932143	(C/A)
9619	CakSNP9619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932130	(T/G)
9620	CakSNP9620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2932777	(A/G)
9621	CakSNP9621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2972319	(C/T)
9622	CakSNP9622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2972301	(T/C)
9623	CakSNP9623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2973741	(A/G)
9624	CakSNP9624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	2973756	(A/C)
9625	CakSNP9625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3060508	(G/A)
9626	CakSNP9626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3060502	(G/A)
9627	CakSNP9627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3288481	(C/A)
9628	CakSNP9628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3288444	(G/A)
9629	CakSNP9629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3288441	(A/G)
9630	CakSNP9630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3288505	(G/T)
9631	CakSNP9631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3297086	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9632	CakSNP9632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3298952	(A/T)
9633	CakSNP9633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3395024	(A/G)
9634	CakSNP9634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3395253	(G/A)
9635	CakSNP9635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3395370	(C/T)
9636	CakSNP9636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3397650	(A/G)
9637	CakSNP9637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3401260	(A/G)
9638	CakSNP9638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3401272	(G/A)
9639	CakSNP9639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3401277	(C/T)
9640	CakSNP9640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3482411	(A/G)
9641	CakSNP9641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3505662	(C/A)
9642	CakSNP9642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3530094	(T/C)
9643	CakSNP9643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3530137	(A/G)
9644	CakSNP9644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3548121	(C/A)
9645	CakSNP9645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3548114	(A/C)
9646	CakSNP9646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3786843	(A/G)
9647	CakSNP9647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3787239	(C/A)
9648	CakSNP9648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3829070	(C/A)
9649	CakSNP9649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3962516	(A/C)
9650	CakSNP9650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3985519	(G/A)
9651	CakSNP9651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	3992419	(C/T)
9652	CakSNP9652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4112085	(T/C)
9653	CakSNP9653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4226957	(G/A)
9654	CakSNP9654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4226947	(A/T)
9655	CakSNP9655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4226924	(G/T)
9656	CakSNP9656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4226951	(C/A)
9657	CakSNP9657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4228728	(T/C)
9658	CakSNP9658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4228759	(C/G)
9659	CakSNP9659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4228884	(T/C)
9660	CakSNP9660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4344604	(T/C)
9661	CakSNP9661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4350822	(A/T)
9662	CakSNP9662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4350867	(A/C)
9663	CakSNP9663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4350889	(A/C)
9664	CakSNP9664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4440034	(T/G)
9665	CakSNP9665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4562263	(C/A)
9666	CakSNP9666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4562264	(C/G)
9667	CakSNP9667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4601303	(A/C)
9668	CakSNP9668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4678523	(A/C)
9669	CakSNP9669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4681686	(C/A)
9670	CakSNP9670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	4743563	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9671	CakSNP9671	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	4743608	(C/T)
9672	CakSNP9672	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	4807908	(G/C)
9673	CakSNP9673	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	4858109	(T/C)
9674	CakSNP9674	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	4861184	(T/G)
9675	CakSNP9675	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	4981078	(G/T)
9676	CakSNP9676	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5185380	(A/G)
9677	CakSNP9677	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5309445	(G/A)
9678	CakSNP9678	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5338761	(T/G)
9679	CakSNP9679	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5341510	(C/A)
9680	CakSNP9680	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5366094	(A/G)
9681	CakSNP9681	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5368455	(T/G)
9682	CakSNP9682	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5392161	(G/A)
9683	CakSNP9683	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5392185	(T/C)
9684	CakSNP9684	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5396888	(T/G)
9685	CakSNP9685	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5396890	(T/G)
9686	CakSNP9686	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5396897	(T/G)
9687	CakSNP9687	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5396913	(C/T)
9688	CakSNP9688	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5396916	(C/T)
9689	CakSNP9689	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5401307	(T/C)
9690	CakSNP9690	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5453512	(A/G)
9691	CakSNP9691	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5498898	(C/T)
9692	CakSNP9692	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5500791	(C/T)
9693	CakSNP9693	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5501363	(T/C)
9694	CakSNP9694	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5541264	(A/G)
9695	CakSNP9695	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5567967	(T/C)
9696	CakSNP9696	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5589373	(T/C)
9697	CakSNP9697	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5616372	(C/T)
9698	CakSNP9698	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5616482	(A/G)
9699	CakSNP9699	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5616454	(T/A)
9700	CakSNP9700	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5628948	(C/A)
9701	CakSNP9701	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5628956	(T/G)
9702	CakSNP9702	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5692120	(C/A)
9703	CakSNP9703	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5694397	(G/T)
9704	CakSNP9704	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5701004	(A/G)
9705	CakSNP9705	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5704845	(T/C)
9706	CakSNP9706	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5704809	(T/A)
9707	CakSNP9707	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5706649	(C/T)
9708	CakSNP9708	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5841443	(G/C)
9709	CakSNP9709	<i>Kabuli</i>	<i>Ca_Kabuli_Chrom6</i>	5871537	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9710	CakSNP9710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	5886393	(A/G)
9711	CakSNP9711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	5888423	(A/G)
9712	CakSNP9712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	5924967	(G/T)
9713	CakSNP9713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	5925028	(G/T)
9714	CakSNP9714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6110805	(T/C)
9715	CakSNP9715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6119644	(C/A)
9716	CakSNP9716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6131564	(G/A)
9717	CakSNP9717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6131518	(G/T)
9718	CakSNP9718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6131514	(G/T)
9719	CakSNP9719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6169291	(A/G)
9720	CakSNP9720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6192895	(A/T)
9721	CakSNP9721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6193105	(G/C)
9722	CakSNP9722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6216766	(T/G)
9723	CakSNP9723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6216746	(G/C)
9724	CakSNP9724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6227887	(A/G)
9725	CakSNP9725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6248260	(T/C)
9726	CakSNP9726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6248203	(A/G)
9727	CakSNP9727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6415818	(A/G)
9728	CakSNP9728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6443828	(C/G)
9729	CakSNP9729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6444169	(A/G)
9730	CakSNP9730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6444226	(T/G)
9731	CakSNP9731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6444243	(G/A)
9732	CakSNP9732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6444220	(G/A)
9733	CakSNP9733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6517785	(T/C)
9734	CakSNP9734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6517849	(C/T)
9735	CakSNP9735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6538236	(C/T)
9736	CakSNP9736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6604713	(G/A)
9737	CakSNP9737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6604766	(C/A)
9738	CakSNP9738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6607773	(A/G)
9739	CakSNP9739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6631216	(C/T)
9740	CakSNP9740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6654917	(T/C)
9741	CakSNP9741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6764292	(G/A)
9742	CakSNP9742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6779147	(G/C)
9743	CakSNP9743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6779982	(C/T)
9744	CakSNP9744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6792012	(C/T)
9745	CakSNP9745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6800935	(A/T)
9746	CakSNP9746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6800927	(G/T)
9747	CakSNP9747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6800877	(T/A)
9748	CakSNP9748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6802259	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9749	CakSNP9749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6802651	(A/G)
9750	CakSNP9750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6803433	(A/G)
9751	CakSNP9751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6815594	(G/A)
9752	CakSNP9752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6840803	(T/C)
9753	CakSNP9753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6853983	(G/A)
9754	CakSNP9754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6871801	(A/G)
9755	CakSNP9755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6877020	(C/G)
9756	CakSNP9756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6877088	(C/A)
9757	CakSNP9757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6877163	(T/C)
9758	CakSNP9758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6877246	(C/A)
9759	CakSNP9759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6877284	(C/T)
9760	CakSNP9760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6899977	(G/A)
9761	CakSNP9761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6899949	(T/G)
9762	CakSNP9762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6913639	(T/C)
9763	CakSNP9763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6913622	(A/C)
9764	CakSNP9764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6913695	(G/A)
9765	CakSNP9765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6913825	(G/A)
9766	CakSNP9766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6913821	(A/T)
9767	CakSNP9767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6954468	(A/G)
9768	CakSNP9768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	6954480	(A/G)
9769	CakSNP9769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7026495	(G/A)
9770	CakSNP9770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7026481	(G/C)
9771	CakSNP9771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7039578	(C/T)
9772	CakSNP9772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7040231	(A/C)
9773	CakSNP9773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7138381	(G/A)
9774	CakSNP9774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7259533	(T/A)
9775	CakSNP9775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7271634	(C/T)
9776	CakSNP9776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7332579	(T/C)
9777	CakSNP9777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7332585	(T/C)
9778	CakSNP9778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7332762	(C/T)
9779	CakSNP9779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7349517	(A/C)
9780	CakSNP9780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7377229	(G/A)
9781	CakSNP9781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7377276	(G/A)
9782	CakSNP9782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7406219	(A/G)
9783	CakSNP9783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7406233	(G/A)
9784	CakSNP9784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7406301	(T/C)
9785	CakSNP9785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7531353	(G/A)
9786	CakSNP9786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7531445	(G/A)
9787	CakSNP9787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7531456	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9788	CakSNP9788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7534360	(G/T)
9789	CakSNP9789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7543580	(C/T)
9790	CakSNP9790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7554094	(T/A)
9791	CakSNP9791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7571950	(T/C)
9792	CakSNP9792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7582726	(G/T)
9793	CakSNP9793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7600817	(G/A)
9794	CakSNP9794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7603195	(G/A)
9795	CakSNP9795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7603178	(A/C)
9796	CakSNP9796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7609814	(C/T)
9797	CakSNP9797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7647907	(T/G)
9798	CakSNP9798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7647931	(G/A)
9799	CakSNP9799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7661930	(T/G)
9800	CakSNP9800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7661924	(T/C)
9801	CakSNP9801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7667301	(T/C)
9802	CakSNP9802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7667328	(A/T)
9803	CakSNP9803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7673403	(C/T)
9804	CakSNP9804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7694609	(A/T)
9805	CakSNP9805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7694625	(G/T)
9806	CakSNP9806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7694696	(T/C)
9807	CakSNP9807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7744730	(A/G)
9808	CakSNP9808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7744752	(T/C)
9809	CakSNP9809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7745641	(A/G)
9810	CakSNP9810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7747254	(G/A)
9811	CakSNP9811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7764968	(A/G)
9812	CakSNP9812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7770357	(C/T)
9813	CakSNP9813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7805886	(G/T)
9814	CakSNP9814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7821850	(A/G)
9815	CakSNP9815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7822666	(C/A)
9816	CakSNP9816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7829485	(G/A)
9817	CakSNP9817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7829627	(T/G)
9818	CakSNP9818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831214	(C/T)
9819	CakSNP9819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831409	(C/T)
9820	CakSNP9820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831585	(G/A)
9821	CakSNP9821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831874	(A/G)
9822	CakSNP9822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831898	(G/A)
9823	CakSNP9823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7831899	(G/A)
9824	CakSNP9824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7832029	(C/T)
9825	CakSNP9825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7832023	(C/T)
9826	CakSNP9826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7834595	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9827	CakSNP9827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7834922	(G/A)
9828	CakSNP9828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7834895	(G/T)
9829	CakSNP9829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7834976	(G/A)
9830	CakSNP9830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7835427	(G/A)
9831	CakSNP9831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7835738	(C/T)
9832	CakSNP9832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7835984	(T/A)
9833	CakSNP9833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7851000	(G/C)
9834	CakSNP9834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929263	(C/T)
9835	CakSNP9835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929338	(T/C)
9836	CakSNP9836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929339	(G/A)
9837	CakSNP9837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929348	(C/T)
9838	CakSNP9838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929384	(T/C)
9839	CakSNP9839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929493	(A/G)
9840	CakSNP9840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929629	(G/A)
9841	CakSNP9841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929628	(C/T)
9842	CakSNP9842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7929607	(A/C)
9843	CakSNP9843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7939277	(T/A)
9844	CakSNP9844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7939281	(T/G)
9845	CakSNP9845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7939465	(A/G)
9846	CakSNP9846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7943546	(C/G)
9847	CakSNP9847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	7994732	(G/T)
9848	CakSNP9848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8010016	(T/C)
9849	CakSNP9849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8011685	(G/T)
9850	CakSNP9850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8029226	(C/T)
9851	CakSNP9851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8041582	(A/G)
9852	CakSNP9852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8052987	(G/C)
9853	CakSNP9853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8076394	(T/C)
9854	CakSNP9854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8076446	(G/A)
9855	CakSNP9855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8081800	(C/G)
9856	CakSNP9856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8084950	(T/A)
9857	CakSNP9857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8090739	(T/A)
9858	CakSNP9858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8090980	(A/G)
9859	CakSNP9859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8091050	(A/G)
9860	CakSNP9860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8139434	(G/A)
9861	CakSNP9861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8139446	(C/A)
9862	CakSNP9862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8166317	(T/C)
9863	CakSNP9863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8166339	(T/C)
9864	CakSNP9864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8166435	(A/G)
9865	CakSNP9865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8166462	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9866	CakSNP9866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8170583	(C/T)
9867	CakSNP9867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8170633	(A/G)
9868	CakSNP9868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8179815	(T/C)
9869	CakSNP9869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8179797	(C/T)
9870	CakSNP9870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8221204	(C/A)
9871	CakSNP9871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8222666	(T/C)
9872	CakSNP9872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8222685	(A/T)
9873	CakSNP9873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8223986	(C/G)
9874	CakSNP9874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8237286	(A/G)
9875	CakSNP9875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8243936	(A/T)
9876	CakSNP9876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8243947	(T/C)
9877	CakSNP9877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8244152	(C/T)
9878	CakSNP9878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8244249	(C/T)
9879	CakSNP9879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8246037	(T/C)
9880	CakSNP9880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8246187	(A/C)
9881	CakSNP9881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8248202	(A/C)
9882	CakSNP9882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8251365	(T/C)
9883	CakSNP9883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8269326	(A/C)
9884	CakSNP9884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8285170	(G/A)
9885	CakSNP9885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8285147	(A/G)
9886	CakSNP9886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8633231	(C/A)
9887	CakSNP9887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8633215	(C/A)
9888	CakSNP9888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8633187	(A/C)
9889	CakSNP9889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8634513	(G/A)
9890	CakSNP9890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8634494	(T/C)
9891	CakSNP9891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8643286	(T/C)
9892	CakSNP9892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8645079	(A/G)
9893	CakSNP9893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8710064	(A/T)
9894	CakSNP9894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787556	(C/T)
9895	CakSNP9895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787557	(T/C)
9896	CakSNP9896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787562	(C/T)
9897	CakSNP9897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787564	(G/T)
9898	CakSNP9898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787568	(G/T)
9899	CakSNP9899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787572	(T/A)
9900	CakSNP9900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8787573	(G/A)
9901	CakSNP9901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8794430	(A/G)
9902	CakSNP9902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8794552	(C/G)
9903	CakSNP9903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8890548	(A/G)
9904	CakSNP9904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8890552	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9905	CakSNP9905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8893216	(A/G)
9906	CakSNP9906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8968068	(G/A)
9907	CakSNP9907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8969711	(C/T)
9908	CakSNP9908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	8969725	(C/A)
9909	CakSNP9909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9053279	(A/G)
9910	CakSNP9910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9054596	(T/C)
9911	CakSNP9911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9088121	(T/C)
9912	CakSNP9912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9088151	(G/A)
9913	CakSNP9913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9088163	(A/G)
9914	CakSNP9914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9088184	(G/A)
9915	CakSNP9915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9088234	(A/C)
9916	CakSNP9916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9190620	(G/T)
9917	CakSNP9917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9221201	(A/G)
9918	CakSNP9918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9227767	(C/A)
9919	CakSNP9919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9228004	(C/A)
9920	CakSNP9920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9323775	(A/G)
9921	CakSNP9921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9324122	(A/C)
9922	CakSNP9922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9373240	(C/A)
9923	CakSNP9923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9373383	(G/C)
9924	CakSNP9924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9378508	(A/T)
9925	CakSNP9925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9378557	(G/C)
9926	CakSNP9926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9382091	(C/T)
9927	CakSNP9927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9423222	(T/C)
9928	CakSNP9928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9424317	(T/C)
9929	CakSNP9929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9428522	(C/T)
9930	CakSNP9930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9428517	(G/A)
9931	CakSNP9931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9523228	(T/C)
9932	CakSNP9932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9544233	(T/C)
9933	CakSNP9933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9565932	(A/G)
9934	CakSNP9934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9568243	(A/C)
9935	CakSNP9935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9568247	(G/A)
9936	CakSNP9936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9568289	(A/C)
9937	CakSNP9937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9569170	(A/G)
9938	CakSNP9938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9570753	(C/T)
9939	CakSNP9939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9617218	(A/G)
9940	CakSNP9940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9617233	(A/G)
9941	CakSNP9941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9714240	(T/C)
9942	CakSNP9942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9728195	(G/T)
9943	CakSNP9943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9728181	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9944	CakSNP9944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9814378	(G/T)
9945	CakSNP9945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9834199	(T/C)
9946	CakSNP9946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9834198	(C/A)
9947	CakSNP9947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9834187	(A/T)
9948	CakSNP9948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9834184	(A/T)
9949	CakSNP9949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9834183	(C/T)
9950	CakSNP9950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9841836	(G/A)
9951	CakSNP9951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9841890	(G/A)
9952	CakSNP9952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9845070	(C/T)
9953	CakSNP9953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9845076	(T/C)
9954	CakSNP9954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9872557	(G/A)
9955	CakSNP9955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9872657	(C/T)
9956	CakSNP9956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9872988	(A/T)
9957	CakSNP9957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9888237	(G/A)
9958	CakSNP9958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9938833	(T/C)
9959	CakSNP9959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9939017	(G/A)
9960	CakSNP9960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	9959686	(T/C)
9961	CakSNP9961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10020177	(C/G)
9962	CakSNP9962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10020187	(A/G)
9963	CakSNP9963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10025115	(A/C)
9964	CakSNP9964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10025113	(C/G)
9965	CakSNP9965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10027019	(G/A)
9966	CakSNP9966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10027015	(G/C)
9967	CakSNP9967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10028504	(A/G)
9968	CakSNP9968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10028508	(G/C)
9969	CakSNP9969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10028515	(A/G)
9970	CakSNP9970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10045644	(A/C)
9971	CakSNP9971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10045844	(A/G)
9972	CakSNP9972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10088963	(G/T)
9973	CakSNP9973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10088984	(A/G)
9974	CakSNP9974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10100863	(C/G)
9975	CakSNP9975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10111488	(C/G)
9976	CakSNP9976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10111520	(G/C)
9977	CakSNP9977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10111870	(A/G)
9978	CakSNP9978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10111938	(G/T)
9979	CakSNP9979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10116403	(A/T)
9980	CakSNP9980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10116475	(C/A)
9981	CakSNP9981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10138984	(C/T)
9982	CakSNP9982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10151973	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
9983	CakSNP9983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10151974	(A/G)
9984	CakSNP9984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10158850	(T/C)
9985	CakSNP9985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10188400	(G/T)
9986	CakSNP9986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10191941	(A/G)
9987	CakSNP9987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10215262	(T/G)
9988	CakSNP9988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10230617	(A/G)
9989	CakSNP9989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10230657	(A/G)
9990	CakSNP9990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10231092	(T/G)
9991	CakSNP9991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10231095	(G/T)
9992	CakSNP9992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10234241	(A/G)
9993	CakSNP9993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10259614	(C/T)
9994	CakSNP9994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10260274	(C/T)
9995	CakSNP9995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10314993	(C/G)
9996	CakSNP9996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10395411	(G/A)
9997	CakSNP9997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10395379	(T/C)
9998	CakSNP9998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10395356	(T/A)
9999	CakSNP9999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10441736	(A/C)
10000	CakSNP10000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10441705	(T/C)
10001	CakSNP10001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10442148	(A/C)
10002	CakSNP10002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10445185	(C/T)
10003	CakSNP10003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10445274	(G/A)
10004	CakSNP10004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10456774	(A/G)
10005	CakSNP10005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10456854	(G/T)
10006	CakSNP10006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10494134	(C/T)
10007	CakSNP10007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10494057	(C/A)
10008	CakSNP10008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10494055	(T/A)
10009	CakSNP10009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10495747	(G/T)
10010	CakSNP10010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10495804	(C/T)
10011	CakSNP10011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10502381	(A/G)
10012	CakSNP10012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10502387	(C/A)
10013	CakSNP10013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10510996	(T/C)
10014	CakSNP10014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10520958	(C/T)
10015	CakSNP10015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10521741	(A/T)
10016	CakSNP10016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10531311	(A/G)
10017	CakSNP10017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10531399	(C/T)
10018	CakSNP10018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10532182	(A/T)
10019	CakSNP10019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10532739	(A/G)
10020	CakSNP10020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10539918	(A/C)
10021	CakSNP10021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10539977	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10022	CakSNP10022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10539994	(A/C)
10023	CakSNP10023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10567518	(A/G)
10024	CakSNP10024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10588030	(C/T)
10025	CakSNP10025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10613546	(A/G)
10026	CakSNP10026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10613612	(A/G)
10027	CakSNP10027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10652739	(C/T)
10028	CakSNP10028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10667504	(A/T)
10029	CakSNP10029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10667559	(T/C)
10030	CakSNP10030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10667640	(T/G)
10031	CakSNP10031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670343	(G/A)
10032	CakSNP10032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670368	(G/A)
10033	CakSNP10033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670409	(G/A)
10034	CakSNP10034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670412	(A/C)
10035	CakSNP10035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670482	(C/T)
10036	CakSNP10036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670582	(G/A)
10037	CakSNP10037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670675	(C/T)
10038	CakSNP10038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670694	(G/A)
10039	CakSNP10039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670773	(A/C)
10040	CakSNP10040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10670959	(T/C)
10041	CakSNP10041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10671458	(T/C)
10042	CakSNP10042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10671444	(A/C)
10043	CakSNP10043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10672468	(C/T)
10044	CakSNP10044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10677469	(A/G)
10045	CakSNP10045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10677501	(C/T)
10046	CakSNP10046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10682221	(G/T)
10047	CakSNP10047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10682201	(C/G)
10048	CakSNP10048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10683193	(C/T)
10049	CakSNP10049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10696986	(A/T)
10050	CakSNP10050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10696990	(T/C)
10051	CakSNP10051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10697064	(T/A)
10052	CakSNP10052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10716986	(G/A)
10053	CakSNP10053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10716968	(G/A)
10054	CakSNP10054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10744029	(C/A)
10055	CakSNP10055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10743996	(A/T)
10056	CakSNP10056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10748965	(G/T)
10057	CakSNP10057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10779368	(G/C)
10058	CakSNP10058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10779465	(A/T)
10059	CakSNP10059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10779547	(T/G)
10060	CakSNP10060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10779636	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10061	CakSNP10061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10785480	(T/G)
10062	CakSNP10062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10870187	(T/G)
10063	CakSNP10063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10870534	(A/G)
10064	CakSNP10064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10880791	(C/T)
10065	CakSNP10065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10880819	(T/G)
10066	CakSNP10066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10881002	(A/G)
10067	CakSNP10067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10880985	(C/T)
10068	CakSNP10068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10880962	(G/T)
10069	CakSNP10069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10991652	(C/A)
10070	CakSNP10070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10991717	(T/A)
10071	CakSNP10071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	10991737	(A/C)
10072	CakSNP10072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11011847	(C/G)
10073	CakSNP10073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11128158	(A/G)
10074	CakSNP10074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11128170	(T/C)
10075	CakSNP10075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11128204	(G/A)
10076	CakSNP10076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11131010	(T/A)
10077	CakSNP10077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11131464	(G/A)
10078	CakSNP10078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11131462	(G/A)
10079	CakSNP10079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11131436	(T/G)
10080	CakSNP10080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11163819	(T/G)
10081	CakSNP10081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11163822	(C/T)
10082	CakSNP10082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11163836	(C/T)
10083	CakSNP10083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11188803	(G/A)
10084	CakSNP10084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11189051	(A/G)
10085	CakSNP10085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11229102	(C/T)
10086	CakSNP10086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11229143	(A/C)
10087	CakSNP10087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11229302	(A/G)
10088	CakSNP10088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11229388	(C/T)
10089	CakSNP10089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11285884	(G/A)
10090	CakSNP10090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11300597	(C/T)
10091	CakSNP10091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11300549	(A/C)
10092	CakSNP10092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11302037	(A/C)
10093	CakSNP10093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11302033	(T/C)
10094	CakSNP10094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11314581	(T/C)
10095	CakSNP10095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11394963	(A/G)
10096	CakSNP10096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11395330	(C/T)
10097	CakSNP10097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11508828	(C/T)
10098	CakSNP10098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11508824	(T/G)
10099	CakSNP10099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11508817	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10100	CakSNP10100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11508816	(A/C)
10101	CakSNP10101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11514926	(T/C)
10102	CakSNP10102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11514883	(C/T)
10103	CakSNP10103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11514935	(G/A)
10104	CakSNP10104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11543615	(G/C)
10105	CakSNP10105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11543618	(T/G)
10106	CakSNP10106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11665233	(G/A)
10107	CakSNP10107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	11665338	(T/G)
10108	CakSNP10108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12408955	(A/G)
10109	CakSNP10109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12408964	(G/C)
10110	CakSNP10110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12434183	(G/T)
10111	CakSNP10111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12437275	(A/T)
10112	CakSNP10112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12437285	(A/G)
10113	CakSNP10113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12437288	(G/A)
10114	CakSNP10114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12437319	(C/T)
10115	CakSNP10115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12494824	(G/T)
10116	CakSNP10116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12494972	(A/G)
10117	CakSNP10117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12532947	(T/A)
10118	CakSNP10118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12535733	(C/G)
10119	CakSNP10119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12619757	(C/T)
10120	CakSNP10120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12619786	(C/A)
10121	CakSNP10121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12619829	(A/T)
10122	CakSNP10122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12647539	(G/A)
10123	CakSNP10123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12799890	(T/G)
10124	CakSNP10124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12844524	(G/A)
10125	CakSNP10125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12893335	(C/A)
10126	CakSNP10126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12893424	(C/T)
10127	CakSNP10127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12906599	(G/A)
10128	CakSNP10128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12906680	(T/C)
10129	CakSNP10129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12906669	(G/A)
10130	CakSNP10130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12973765	(A/G)
10131	CakSNP10131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12976279	(T/A)
10132	CakSNP10132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12977129	(A/G)
10133	CakSNP10133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12977196	(A/G)
10134	CakSNP10134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12977204	(T/G)
10135	CakSNP10135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12985896	(A/C)
10136	CakSNP10136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12985908	(C/G)
10137	CakSNP10137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12985910	(C/T)
10138	CakSNP10138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12986776	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10139	CakSNP10139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	12986833	(A/C)
10140	CakSNP10140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13008333	(A/T)
10141	CakSNP10141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13008360	(C/T)
10142	CakSNP10142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13008465	(C/T)
10143	CakSNP10143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13099658	(G/T)
10144	CakSNP10144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13099656	(G/T)
10145	CakSNP10145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13107887	(C/T)
10146	CakSNP10146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13117820	(A/T)
10147	CakSNP10147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13131682	(C/G)
10148	CakSNP10148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13136852	(C/T)
10149	CakSNP10149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13136835	(C/T)
10150	CakSNP10150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13136976	(A/G)
10151	CakSNP10151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13136955	(G/A)
10152	CakSNP10152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13187706	(A/G)
10153	CakSNP10153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13187709	(T/C)
10154	CakSNP10154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13188124	(G/C)
10155	CakSNP10155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13188119	(A/C)
10156	CakSNP10156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13188480	(T/C)
10157	CakSNP10157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13192177	(G/A)
10158	CakSNP10158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13243282	(A/G)
10159	CakSNP10159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13252152	(C/T)
10160	CakSNP10160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13296128	(G/A)
10161	CakSNP10161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13326969	(C/G)
10162	CakSNP10162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13340012	(A/G)
10163	CakSNP10163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13340757	(T/C)
10164	CakSNP10164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13340762	(G/A)
10165	CakSNP10165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13340782	(G/A)
10166	CakSNP10166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13413848	(C/G)
10167	CakSNP10167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13483841	(T/G)
10168	CakSNP10168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13565854	(T/C)
10169	CakSNP10169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13565990	(C/T)
10170	CakSNP10170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566007	(C/T)
10171	CakSNP10171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566012	(T/G)
10172	CakSNP10172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566041	(C/T)
10173	CakSNP10173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566110	(A/G)
10174	CakSNP10174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566136	(A/C)
10175	CakSNP10175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13566130	(G/T)
10176	CakSNP10176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13572236	(A/T)
10177	CakSNP10177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13572221	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10178	CakSNP10178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13576963	(T/A)
10179	CakSNP10179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13591590	(T/G)
10180	CakSNP10180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593544	(A/G)
10181	CakSNP10181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593564	(C/A)
10182	CakSNP10182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593600	(T/C)
10183	CakSNP10183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593685	(G/A)
10184	CakSNP10184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593668	(A/G)
10185	CakSNP10185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593661	(T/C)
10186	CakSNP10186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13593654	(T/C)
10187	CakSNP10187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619538	(C/T)
10188	CakSNP10188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619555	(C/T)
10189	CakSNP10189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619560	(T/G)
10190	CakSNP10190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619589	(C/T)
10191	CakSNP10191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619658	(A/G)
10192	CakSNP10192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13619684	(A/C)
10193	CakSNP10193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13622292	(C/T)
10194	CakSNP10194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13625388	(A/G)
10195	CakSNP10195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13637387	(T/G)
10196	CakSNP10196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13637347	(C/T)
10197	CakSNP10197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13668916	(T/A)
10198	CakSNP10198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13668995	(A/G)
10199	CakSNP10199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669052	(G/C)
10200	CakSNP10200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669049	(C/T)
10201	CakSNP10201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669048	(T/A)
10202	CakSNP10202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669042	(A/G)
10203	CakSNP10203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669018	(G/A)
10204	CakSNP10204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13669006	(G/C)
10205	CakSNP10205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13714897	(A/T)
10206	CakSNP10206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13764980	(T/A)
10207	CakSNP10207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13827484	(C/T)
10208	CakSNP10208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13827452	(C/G)
10209	CakSNP10209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13827444	(G/A)
10210	CakSNP10210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13913539	(A/G)
10211	CakSNP10211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13917076	(T/C)
10212	CakSNP10212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13917135	(T/A)
10213	CakSNP10213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13921954	(A/T)
10214	CakSNP10214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13941701	(A/T)
10215	CakSNP10215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13942961	(A/G)
10216	CakSNP10216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13948732	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10217	CakSNP10217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13948751	(T/G)
10218	CakSNP10218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13948778	(A/C)
10219	CakSNP10219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	13986559	(A/G)
10220	CakSNP10220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14042859	(A/T)
10221	CakSNP10221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14067312	(A/C)
10222	CakSNP10222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14067326	(C/T)
10223	CakSNP10223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14112542	(A/G)
10224	CakSNP10224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14148771	(A/G)
10225	CakSNP10225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14155543	(C/T)
10226	CakSNP10226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14155662	(T/C)
10227	CakSNP10227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14155643	(A/C)
10228	CakSNP10228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14161084	(G/C)
10229	CakSNP10229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14201001	(T/C)
10230	CakSNP10230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14200997	(G/A)
10231	CakSNP10231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14204400	(T/C)
10232	CakSNP10232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14204469	(G/A)
10233	CakSNP10233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14254394	(A/G)
10234	CakSNP10234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14309042	(C/T)
10235	CakSNP10235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14330533	(T/C)
10236	CakSNP10236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14332018	(A/C)
10237	CakSNP10237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14332404	(A/G)
10238	CakSNP10238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14353598	(C/T)
10239	CakSNP10239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14353624	(G/A)
10240	CakSNP10240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14371493	(C/T)
10241	CakSNP10241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14371530	(C/T)
10242	CakSNP10242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14375135	(G/A)
10243	CakSNP10243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14375141	(G/C)
10244	CakSNP10244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14375172	(A/G)
10245	CakSNP10245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14375196	(G/A)
10246	CakSNP10246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14375207	(C/T)
10247	CakSNP10247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14401990	(G/A)
10248	CakSNP10248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14416997	(A/G)
10249	CakSNP10249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14416981	(A/G)
10250	CakSNP10250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14419832	(C/T)
10251	CakSNP10251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14526540	(A/T)
10252	CakSNP10252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589478	(T/G)
10253	CakSNP10253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589480	(T/C)
10254	CakSNP10254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589520	(G/C)
10255	CakSNP10255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589744	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10256	CakSNP10256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589807	(T/G)
10257	CakSNP10257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14589873	(T/C)
10258	CakSNP10258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14606892	(A/C)
10259	CakSNP10259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14628213	(A/T)
10260	CakSNP10260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14628215	(T/C)
10261	CakSNP10261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14628216	(A/C)
10262	CakSNP10262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14628284	(G/A)
10263	CakSNP10263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14719793	(T/C)
10264	CakSNP10264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14719840	(G/T)
10265	CakSNP10265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14747608	(T/C)
10266	CakSNP10266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753191	(C/T)
10267	CakSNP10267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753190	(G/A)
10268	CakSNP10268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753158	(A/G)
10269	CakSNP10269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753113	(C/A)
10270	CakSNP10270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753145	(C/A)
10271	CakSNP10271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14753150	(G/A)
10272	CakSNP10272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14762493	(A/G)
10273	CakSNP10273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14771564	(G/T)
10274	CakSNP10274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14771709	(G/A)
10275	CakSNP10275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14786015	(T/G)
10276	CakSNP10276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14789964	(A/C)
10277	CakSNP10277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14846794	(C/T)
10278	CakSNP10278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14857722	(C/A)
10279	CakSNP10279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14857709	(A/G)
10280	CakSNP10280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14857680	(G/A)
10281	CakSNP10281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14861487	(T/A)
10282	CakSNP10282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14884604	(T/G)
10283	CakSNP10283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14884606	(T/C)
10284	CakSNP10284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14891588	(T/C)
10285	CakSNP10285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14891533	(T/C)
10286	CakSNP10286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14891597	(C/T)
10287	CakSNP10287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14891626	(C/A)
10288	CakSNP10288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14941348	(C/T)
10289	CakSNP10289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14951877	(C/T)
10290	CakSNP10290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14951860	(G/A)
10291	CakSNP10291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14982998	(T/C)
10292	CakSNP10292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	14983391	(C/T)
10293	CakSNP10293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15024904	(C/A)
10294	CakSNP10294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15024881	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10295	CakSNP10295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15024979	(T/G)
10296	CakSNP10296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15024999	(T/A)
10297	CakSNP10297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15025010	(T/C)
10298	CakSNP10298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15025012	(A/C)
10299	CakSNP10299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15051094	(T/C)
10300	CakSNP10300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15061717	(G/A)
10301	CakSNP10301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15123739	(C/T)
10302	CakSNP10302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15123771	(T/C)
10303	CakSNP10303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15123827	(T/G)
10304	CakSNP10304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15123947	(G/A)
10305	CakSNP10305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15173607	(G/A)
10306	CakSNP10306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15185723	(T/C)
10307	CakSNP10307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15204957	(G/C)
10308	CakSNP10308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15235575	(A/G)
10309	CakSNP10309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15235576	(C/T)
10310	CakSNP10310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15235615	(C/T)
10311	CakSNP10311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15243538	(A/T)
10312	CakSNP10312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15243590	(A/G)
10313	CakSNP10313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15243630	(C/T)
10314	CakSNP10314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15243674	(T/A)
10315	CakSNP10315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15268491	(T/G)
10316	CakSNP10316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15294332	(T/G)
10317	CakSNP10317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15294331	(C/T)
10318	CakSNP10318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15294329	(A/C)
10319	CakSNP10319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15301137	(C/T)
10320	CakSNP10320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15313655	(G/T)
10321	CakSNP10321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15328759	(C/A)
10322	CakSNP10322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15328805	(A/T)
10323	CakSNP10323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15328948	(A/C)
10324	CakSNP10324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15347707	(C/T)
10325	CakSNP10325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15393321	(A/T)
10326	CakSNP10326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15393349	(T/C)
10327	CakSNP10327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15463326	(C/G)
10328	CakSNP10328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15475948	(A/G)
10329	CakSNP10329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15488265	(C/T)
10330	CakSNP10330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15488314	(A/T)
10331	CakSNP10331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15488309	(G/A)
10332	CakSNP10332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15510433	(A/T)
10333	CakSNP10333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15510397	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10334	CakSNP10334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15537908	(A/C)
10335	CakSNP10335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15543295	(C/G)
10336	CakSNP10336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15543293	(T/G)
10337	CakSNP10337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15543286	(G/A)
10338	CakSNP10338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15550044	(C/T)
10339	CakSNP10339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15589539	(A/T)
10340	CakSNP10340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15589885	(G/T)
10341	CakSNP10341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15635126	(A/T)
10342	CakSNP10342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15644412	(A/T)
10343	CakSNP10343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15644796	(A/T)
10344	CakSNP10344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15857728	(T/C)
10345	CakSNP10345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	15861278	(G/A)
10346	CakSNP10346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16113523	(T/C)
10347	CakSNP10347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16113522	(A/T)
10348	CakSNP10348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16113521	(G/T)
10349	CakSNP10349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16115933	(T/C)
10350	CakSNP10350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16147469	(A/G)
10351	CakSNP10351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16148277	(A/C)
10352	CakSNP10352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16189692	(C/A)
10353	CakSNP10353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16189693	(G/T)
10354	CakSNP10354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16195748	(T/C)
10355	CakSNP10355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16196582	(G/C)
10356	CakSNP10356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16315552	(T/A)
10357	CakSNP10357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16332377	(G/A)
10358	CakSNP10358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16353698	(G/A)
10359	CakSNP10359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16450107	(C/T)
10360	CakSNP10360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16460495	(A/C)
10361	CakSNP10361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16561334	(C/T)
10362	CakSNP10362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16635061	(C/T)
10363	CakSNP10363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16646769	(A/T)
10364	CakSNP10364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16646713	(T/G)
10365	CakSNP10365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16665385	(G/C)
10366	CakSNP10366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16665477	(T/C)
10367	CakSNP10367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16665829	(G/C)
10368	CakSNP10368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16677320	(C/A)
10369	CakSNP10369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16717984	(G/A)
10370	CakSNP10370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16718201	(G/A)
10371	CakSNP10371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16719918	(C/A)
10372	CakSNP10372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16719919	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10373	CakSNP10373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16741672	(C/T)
10374	CakSNP10374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16748675	(A/C)
10375	CakSNP10375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16768782	(G/A)
10376	CakSNP10376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16823954	(A/G)
10377	CakSNP10377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	16932014	(C/G)
10378	CakSNP10378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17048493	(A/C)
10379	CakSNP10379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17096214	(C/T)
10380	CakSNP10380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17096215	(G/A)
10381	CakSNP10381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17096224	(C/T)
10382	CakSNP10382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17129574	(A/G)
10383	CakSNP10383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17148605	(G/A)
10384	CakSNP10384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17148773	(A/G)
10385	CakSNP10385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17175334	(C/A)
10386	CakSNP10386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17175446	(G/A)
10387	CakSNP10387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17258827	(C/A)
10388	CakSNP10388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17258886	(T/G)
10389	CakSNP10389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17262283	(C/T)
10390	CakSNP10390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17263126	(G/A)
10391	CakSNP10391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17369613	(A/G)
10392	CakSNP10392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17445945	(T/G)
10393	CakSNP10393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17477741	(A/G)
10394	CakSNP10394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17478220	(G/A)
10395	CakSNP10395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17480486	(G/C)
10396	CakSNP10396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17481288	(T/C)
10397	CakSNP10397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17481307	(C/A)
10398	CakSNP10398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17481403	(T/G)
10399	CakSNP10399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17481392	(A/G)
10400	CakSNP10400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17482626	(A/G)
10401	CakSNP10401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17482640	(C/T)
10402	CakSNP10402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17482649	(A/G)
10403	CakSNP10403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17482718	(G/A)
10404	CakSNP10404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17482697	(A/G)
10405	CakSNP10405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17573309	(A/G)
10406	CakSNP10406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17659067	(A/C)
10407	CakSNP10407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	17741078	(G/A)
10408	CakSNP10408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18027391	(G/A)
10409	CakSNP10409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18094691	(C/A)
10410	CakSNP10410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18125613	(C/A)
10411	CakSNP10411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18232696	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10412	CakSNP10412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18268960	(G/A)
10413	CakSNP10413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18268982	(A/G)
10414	CakSNP10414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18389704	(T/G)
10415	CakSNP10415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18389661	(A/C)
10416	CakSNP10416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18444725	(T/C)
10417	CakSNP10417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18549073	(T/C)
10418	CakSNP10418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18562366	(C/A)
10419	CakSNP10419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18664114	(A/T)
10420	CakSNP10420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18747207	(G/A)
10421	CakSNP10421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18752554	(G/T)
10422	CakSNP10422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18767357	(G/A)
10423	CakSNP10423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18771093	(T/A)
10424	CakSNP10424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18798747	(A/C)
10425	CakSNP10425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18852806	(T/C)
10426	CakSNP10426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18852854	(T/C)
10427	CakSNP10427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18876221	(T/C)
10428	CakSNP10428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18876213	(A/G)
10429	CakSNP10429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18899989	(C/A)
10430	CakSNP10430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18900031	(C/T)
10431	CakSNP10431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18900034	(G/A)
10432	CakSNP10432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18916626	(G/T)
10433	CakSNP10433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18916619	(C/T)
10434	CakSNP10434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18925002	(A/G)
10435	CakSNP10435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18938479	(C/T)
10436	CakSNP10436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18938512	(G/A)
10437	CakSNP10437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18956194	(G/A)
10438	CakSNP10438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18987220	(T/G)
10439	CakSNP10439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	18999175	(C/T)
10440	CakSNP10440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19033068	(A/C)
10441	CakSNP10441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19033309	(G/A)
10442	CakSNP10442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19034129	(A/G)
10443	CakSNP10443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19125254	(G/A)
10444	CakSNP10444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19125222	(T/C)
10445	CakSNP10445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19129651	(T/C)
10446	CakSNP10446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19169687	(T/C)
10447	CakSNP10447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19195656	(A/T)
10448	CakSNP10448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19195659	(A/C)
10449	CakSNP10449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19198386	(G/A)
10450	CakSNP10450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19217820	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10451	CakSNP10451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19304834	(A/G)
10452	CakSNP10452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19440988	(T/C)
10453	CakSNP10453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19441372	(T/C)
10454	CakSNP10454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19450845	(T/A)
10455	CakSNP10455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19458843	(C/T)
10456	CakSNP10456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19458898	(T/A)
10457	CakSNP10457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19458908	(A/T)
10458	CakSNP10458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19476915	(T/C)
10459	CakSNP10459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19476916	(A/G)
10460	CakSNP10460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19477006	(T/C)
10461	CakSNP10461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19478493	(T/A)
10462	CakSNP10462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19494588	(G/T)
10463	CakSNP10463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19494584	(C/A)
10464	CakSNP10464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19551459	(G/A)
10465	CakSNP10465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19551504	(G/C)
10466	CakSNP10466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19556904	(G/A)
10467	CakSNP10467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19557045	(C/T)
10468	CakSNP10468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19578972	(T/C)
10469	CakSNP10469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	19725007	(T/A)
10470	CakSNP10470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20505641	(A/T)
10471	CakSNP10471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20558142	(C/T)
10472	CakSNP10472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20558138	(G/A)
10473	CakSNP10473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660779	(T/C)
10474	CakSNP10474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660782	(T/C)
10475	CakSNP10475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660819	(T/C)
10476	CakSNP10476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660820	(T/A)
10477	CakSNP10477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660841	(A/G)
10478	CakSNP10478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20660870	(G/C)
10479	CakSNP10479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20671043	(T/C)
10480	CakSNP10480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20739258	(A/T)
10481	CakSNP10481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20739340	(A/G)
10482	CakSNP10482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20766342	(T/A)
10483	CakSNP10483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20766377	(C/A)
10484	CakSNP10484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20766397	(G/T)
10485	CakSNP10485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20770728	(C/T)
10486	CakSNP10486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20776473	(A/G)
10487	CakSNP10487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20786079	(T/A)
10488	CakSNP10488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20802747	(G/C)
10489	CakSNP10489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20830353	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10490	CakSNP10490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20830634	(T/A)
10491	CakSNP10491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20890714	(A/G)
10492	CakSNP10492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20917713	(A/C)
10493	CakSNP10493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	20917694	(A/T)
10494	CakSNP10494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025495	(T/A)
10495	CakSNP10495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025494	(C/T)
10496	CakSNP10496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025540	(C/T)
10497	CakSNP10497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025677	(T/A)
10498	CakSNP10498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025742	(T/G)
10499	CakSNP10499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025706	(C/T)
10500	CakSNP10500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025673	(C/T)
10501	CakSNP10501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025680	(C/T)
10502	CakSNP10502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025682	(C/T)
10503	CakSNP10503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025712	(C/T)
10504	CakSNP10504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025718	(C/A)
10505	CakSNP10505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21025894	(G/T)
10506	CakSNP10506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21054758	(T/C)
10507	CakSNP10507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21058286	(G/T)
10508	CakSNP10508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21135764	(C/T)
10509	CakSNP10509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21135996	(C/T)
10510	CakSNP10510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21139038	(C/G)
10511	CakSNP10511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21165963	(A/C)
10512	CakSNP10512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21165999	(G/T)
10513	CakSNP10513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21170382	(G/A)
10514	CakSNP10514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21170401	(C/A)
10515	CakSNP10515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21177330	(C/A)
10516	CakSNP10516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21238178	(A/G)
10517	CakSNP10517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21238711	(C/T)
10518	CakSNP10518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21238707	(G/T)
10519	CakSNP10519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21276479	(G/T)
10520	CakSNP10520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21276551	(C/G)
10521	CakSNP10521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21323438	(T/C)
10522	CakSNP10522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21323390	(C/G)
10523	CakSNP10523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21367869	(A/G)
10524	CakSNP10524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21367830	(T/A)
10525	CakSNP10525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21368163	(C/T)
10526	CakSNP10526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21385915	(C/A)
10527	CakSNP10527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21478820	(G/T)
10528	CakSNP10528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21478816	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10529	CakSNP10529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21483425	(T/G)
10530	CakSNP10530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21483429	(C/T)
10531	CakSNP10531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21483494	(T/G)
10532	CakSNP10532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21489498	(A/G)
10533	CakSNP10533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21506224	(A/C)
10534	CakSNP10534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21540338	(A/G)
10535	CakSNP10535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21540382	(T/G)
10536	CakSNP10536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21576745	(G/A)
10537	CakSNP10537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21602874	(C/T)
10538	CakSNP10538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21603102	(G/C)
10539	CakSNP10539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21675734	(T/G)
10540	CakSNP10540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21675757	(A/G)
10541	CakSNP10541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21675762	(G/T)
10542	CakSNP10542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21675816	(C/G)
10543	CakSNP10543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21718674	(G/T)
10544	CakSNP10544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21756666	(A/T)
10545	CakSNP10545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21756706	(C/T)
10546	CakSNP10546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21763468	(G/A)
10547	CakSNP10547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21763611	(C/T)
10548	CakSNP10548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21763582	(C/T)
10549	CakSNP10549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21804333	(T/A)
10550	CakSNP10550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21804337	(G/C)
10551	CakSNP10551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21834111	(C/G)
10552	CakSNP10552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21861700	(T/A)
10553	CakSNP10553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21914387	(T/C)
10554	CakSNP10554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21914380	(C/T)
10555	CakSNP10555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21916465	(G/A)
10556	CakSNP10556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21916476	(T/C)
10557	CakSNP10557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21940793	(T/C)
10558	CakSNP10558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979846	(G/A)
10559	CakSNP10559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979860	(C/T)
10560	CakSNP10560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979873	(A/G)
10561	CakSNP10561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979887	(G/A)
10562	CakSNP10562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979889	(A/G)
10563	CakSNP10563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979893	(C/T)
10564	CakSNP10564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	21979903	(T/C)
10565	CakSNP10565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22015915	(G/T)
10566	CakSNP10566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22016086	(A/G)
10567	CakSNP10567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22016767	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10568	CakSNP10568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22016839	(A/G)
10569	CakSNP10569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22038857	(A/G)
10570	CakSNP10570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22038906	(A/T)
10571	CakSNP10571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22074809	(T/C)
10572	CakSNP10572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22075447	(C/G)
10573	CakSNP10573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22079148	(A/G)
10574	CakSNP10574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22137477	(A/T)
10575	CakSNP10575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22137464	(G/A)
10576	CakSNP10576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22137569	(G/T)
10577	CakSNP10577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22175547	(A/G)
10578	CakSNP10578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22192503	(G/A)
10579	CakSNP10579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22192498	(A/C)
10580	CakSNP10580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22194387	(C/A)
10581	CakSNP10581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22201688	(C/T)
10582	CakSNP10582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22206341	(G/T)
10583	CakSNP10583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22208130	(G/C)
10584	CakSNP10584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22208125	(G/A)
10585	CakSNP10585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22208093	(G/A)
10586	CakSNP10586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22211721	(C/T)
10587	CakSNP10587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22211823	(T/C)
10588	CakSNP10588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22217158	(A/G)
10589	CakSNP10589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22217157	(T/G)
10590	CakSNP10590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22217107	(G/A)
10591	CakSNP10591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22225288	(T/G)
10592	CakSNP10592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22235449	(G/A)
10593	CakSNP10593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22235421	(T/A)
10594	CakSNP10594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22236475	(T/A)
10595	CakSNP10595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22252149	(G/A)
10596	CakSNP10596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22262999	(A/C)
10597	CakSNP10597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22263011	(T/C)
10598	CakSNP10598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22263388	(A/G)
10599	CakSNP10599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22263452	(A/T)
10600	CakSNP10600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22279906	(T/G)
10601	CakSNP10601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22287922	(C/T)
10602	CakSNP10602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22334733	(C/T)
10603	CakSNP10603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22352976	(T/C)
10604	CakSNP10604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22370242	(C/T)
10605	CakSNP10605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22371908	(A/C)
10606	CakSNP10606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446629	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10607	CakSNP10607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446621	(A/C)
10608	CakSNP10608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446610	(G/A)
10609	CakSNP10609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446570	(C/T)
10610	CakSNP10610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446649	(C/T)
10611	CakSNP10611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22446644	(C/T)
10612	CakSNP10612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22482366	(A/C)
10613	CakSNP10613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22498553	(T/C)
10614	CakSNP10614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22498867	(T/C)
10615	CakSNP10615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22518747	(G/T)
10616	CakSNP10616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22879982	(C/T)
10617	CakSNP10617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22881176	(A/T)
10618	CakSNP10618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22933938	(T/A)
10619	CakSNP10619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22952185	(G/A)
10620	CakSNP10620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22952253	(C/T)
10621	CakSNP10621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22966001	(C/A)
10622	CakSNP10622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22986891	(T/C)
10623	CakSNP10623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	22986869	(G/C)
10624	CakSNP10624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23014724	(T/A)
10625	CakSNP10625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23039165	(T/C)
10626	CakSNP10626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23039147	(G/A)
10627	CakSNP10627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23039145	(A/G)
10628	CakSNP10628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23039125	(G/A)
10629	CakSNP10629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23039097	(C/T)
10630	CakSNP10630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23046076	(C/T)
10631	CakSNP10631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23113706	(A/G)
10632	CakSNP10632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23129516	(A/G)
10633	CakSNP10633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23129504	(C/G)
10634	CakSNP10634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23145532	(T/A)
10635	CakSNP10635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23166355	(A/C)
10636	CakSNP10636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23253687	(G/A)
10637	CakSNP10637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23253973	(G/C)
10638	CakSNP10638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23254642	(A/G)
10639	CakSNP10639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23256848	(C/G)
10640	CakSNP10640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23256891	(T/G)
10641	CakSNP10641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23380746	(G/A)
10642	CakSNP10642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23393426	(T/C)
10643	CakSNP10643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23393446	(A/G)
10644	CakSNP10644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23393469	(T/C)
10645	CakSNP10645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23393491	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10646	CakSNP10646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23399103	(A/G)
10647	CakSNP10647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23424061	(T/G)
10648	CakSNP10648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23549220	(A/T)
10649	CakSNP10649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23638882	(A/G)
10650	CakSNP10650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23663204	(C/A)
10651	CakSNP10651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23663201	(T/C)
10652	CakSNP10652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23663180	(G/T)
10653	CakSNP10653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23688740	(C/T)
10654	CakSNP10654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23688723	(A/G)
10655	CakSNP10655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23691440	(A/C)
10656	CakSNP10656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23766943	(C/T)
10657	CakSNP10657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23768142	(A/T)
10658	CakSNP10658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23809120	(G/A)
10659	CakSNP10659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23890836	(A/G)
10660	CakSNP10660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23891065	(G/A)
10661	CakSNP10661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23916260	(A/G)
10662	CakSNP10662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23963812	(T/C)
10663	CakSNP10663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	23973410	(G/A)
10664	CakSNP10664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24007185	(C/T)
10665	CakSNP10665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24007863	(T/C)
10666	CakSNP10666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24061578	(G/T)
10667	CakSNP10667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24085747	(G/T)
10668	CakSNP10668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24085795	(C/T)
10669	CakSNP10669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24085807	(A/T)
10670	CakSNP10670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24138357	(A/G)
10671	CakSNP10671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24138388	(T/C)
10672	CakSNP10672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24174940	(C/T)
10673	CakSNP10673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24260527	(T/C)
10674	CakSNP10674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24301508	(T/A)
10675	CakSNP10675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24302205	(A/G)
10676	CakSNP10676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24381949	(A/G)
10677	CakSNP10677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24381937	(G/A)
10678	CakSNP10678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24403316	(G/T)
10679	CakSNP10679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24413675	(T/C)
10680	CakSNP10680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24413714	(G/A)
10681	CakSNP10681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24414512	(G/C)
10682	CakSNP10682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24454583	(C/T)
10683	CakSNP10683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24454557	(T/C)
10684	CakSNP10684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24516523	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10685	CakSNP10685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24516528	(A/T)
10686	CakSNP10686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24516532	(C/T)
10687	CakSNP10687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24547086	(T/G)
10688	CakSNP10688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24644924	(T/G)
10689	CakSNP10689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24661895	(G/A)
10690	CakSNP10690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24661916	(C/T)
10691	CakSNP10691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24661937	(C/T)
10692	CakSNP10692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24661945	(T/A)
10693	CakSNP10693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	24661986	(G/A)
10694	CakSNP10694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25575097	(T/C)
10695	CakSNP10695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25575078	(C/T)
10696	CakSNP10696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25575062	(G/A)
10697	CakSNP10697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25575045	(C/A)
10698	CakSNP10698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604942	(C/A)
10699	CakSNP10699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604936	(C/T)
10700	CakSNP10700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604931	(C/A)
10701	CakSNP10701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604922	(A/G)
10702	CakSNP10702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604954	(C/T)
10703	CakSNP10703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604962	(G/A)
10704	CakSNP10704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25604994	(T/C)
10705	CakSNP10705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25605006	(C/A)
10706	CakSNP10706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25605023	(C/A)
10707	CakSNP10707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25605022	(T/C)
10708	CakSNP10708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850717	(C/T)
10709	CakSNP10709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850725	(T/G)
10710	CakSNP10710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850736	(C/T)
10711	CakSNP10711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850760	(T/A)
10712	CakSNP10712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850759	(C/A)
10713	CakSNP10713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850783	(G/A)
10714	CakSNP10714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850816	(C/A)
10715	CakSNP10715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850813	(C/T)
10716	CakSNP10716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850866	(C/G)
10717	CakSNP10717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	25850827	(C/T)
10718	CakSNP10718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26349363	(C/A)
10719	CakSNP10719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26349321	(C/T)
10720	CakSNP10720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26349434	(G/A)
10721	CakSNP10721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26349451	(T/C)
10722	CakSNP10722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26353512	(C/T)
10723	CakSNP10723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26353740	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10724	CakSNP10724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26357149	(C/G)
10725	CakSNP10725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26360367	(C/A)
10726	CakSNP10726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26385448	(A/G)
10727	CakSNP10727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26385444	(C/T)
10728	CakSNP10728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26385432	(T/C)
10729	CakSNP10729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26426239	(C/A)
10730	CakSNP10730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26426252	(A/G)
10731	CakSNP10731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26426283	(G/A)
10732	CakSNP10732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26527086	(T/C)
10733	CakSNP10733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26527111	(G/T)
10734	CakSNP10734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26527161	(C/G)
10735	CakSNP10735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26527416	(C/T)
10736	CakSNP10736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26549168	(T/G)
10737	CakSNP10737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26549181	(C/T)
10738	CakSNP10738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26551390	(C/T)
10739	CakSNP10739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26551703	(T/G)
10740	CakSNP10740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26567360	(A/G)
10741	CakSNP10741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26656016	(T/C)
10742	CakSNP10742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26698265	(A/C)
10743	CakSNP10743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26703130	(A/G)
10744	CakSNP10744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26703132	(T/C)
10745	CakSNP10745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26767389	(T/C)
10746	CakSNP10746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26769087	(C/A)
10747	CakSNP10747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	26928255	(T/C)
10748	CakSNP10748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27053217	(A/G)
10749	CakSNP10749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27053288	(G/C)
10750	CakSNP10750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27139791	(T/C)
10751	CakSNP10751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27139816	(T/C)
10752	CakSNP10752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27190671	(G/A)
10753	CakSNP10753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27192557	(C/T)
10754	CakSNP10754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310342	(A/T)
10755	CakSNP10755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310341	(G/T)
10756	CakSNP10756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310336	(A/T)
10757	CakSNP10757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310333	(C/T)
10758	CakSNP10758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310328	(T/A)
10759	CakSNP10759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310327	(A/T)
10760	CakSNP10760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310325	(G/T)
10761	CakSNP10761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27310315	(C/T)
10762	CakSNP10762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27326420	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10763	CakSNP10763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27326978	(C/T)
10764	CakSNP10764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27330059	(T/C)
10765	CakSNP10765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27330159	(C/T)
10766	CakSNP10766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27331165	(T/C)
10767	CakSNP10767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27331318	(A/C)
10768	CakSNP10768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27364381	(A/G)
10769	CakSNP10769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27364395	(C/T)
10770	CakSNP10770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27364402	(T/A)
10771	CakSNP10771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27364428	(G/T)
10772	CakSNP10772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27364452	(A/T)
10773	CakSNP10773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27383746	(A/T)
10774	CakSNP10774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27383745	(G/T)
10775	CakSNP10775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27383744	(G/T)
10776	CakSNP10776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27383718	(C/T)
10777	CakSNP10777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27515184	(C/T)
10778	CakSNP10778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27515293	(G/A)
10779	CakSNP10779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27537433	(A/G)
10780	CakSNP10780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27558154	(A/G)
10781	CakSNP10781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27578968	(A/G)
10782	CakSNP10782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27592117	(G/T)
10783	CakSNP10783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27592070	(A/G)
10784	CakSNP10784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27606193	(A/C)
10785	CakSNP10785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27606210	(C/T)
10786	CakSNP10786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27622037	(A/C)
10787	CakSNP10787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27622045	(A/G)
10788	CakSNP10788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27622053	(A/G)
10789	CakSNP10789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27636256	(A/G)
10790	CakSNP10790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27655605	(A/G)
10791	CakSNP10791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27660980	(C/T)
10792	CakSNP10792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27660971	(T/C)
10793	CakSNP10793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27661951	(C/T)
10794	CakSNP10794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27662026	(C/T)
10795	CakSNP10795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27710531	(T/G)
10796	CakSNP10796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27710547	(A/T)
10797	CakSNP10797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27842297	(G/A)
10798	CakSNP10798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27865048	(C/T)
10799	CakSNP10799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27865046	(G/A)
10800	CakSNP10800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27864997	(C/A)
10801	CakSNP10801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	27986719	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10802	CakSNP10802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28021899	(C/T)
10803	CakSNP10803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28044830	(C/A)
10804	CakSNP10804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28052463	(T/G)
10805	CakSNP10805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28074393	(T/C)
10806	CakSNP10806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28076323	(T/A)
10807	CakSNP10807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28076364	(T/G)
10808	CakSNP10808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28076436	(A/T)
10809	CakSNP10809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28177397	(A/C)
10810	CakSNP10810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28325392	(C/T)
10811	CakSNP10811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28372130	(C/T)
10812	CakSNP10812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28574699	(T/C)
10813	CakSNP10813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28575509	(T/C)
10814	CakSNP10814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28575491	(G/A)
10815	CakSNP10815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28615404	(G/T)
10816	CakSNP10816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28615475	(A/G)
10817	CakSNP10817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28650056	(A/G)
10818	CakSNP10818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28727478	(T/C)
10819	CakSNP10819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28728293	(A/C)
10820	CakSNP10820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28755298	(T/A)
10821	CakSNP10821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28757208	(C/A)
10822	CakSNP10822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28757204	(G/A)
10823	CakSNP10823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28757139	(C/A)
10824	CakSNP10824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28887176	(G/A)
10825	CakSNP10825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28887188	(G/T)
10826	CakSNP10826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28887201	(A/G)
10827	CakSNP10827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28887212	(C/T)
10828	CakSNP10828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28892743	(G/C)
10829	CakSNP10829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28893411	(C/T)
10830	CakSNP10830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28917705	(T/A)
10831	CakSNP10831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28947529	(A/C)
10832	CakSNP10832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	28990518	(A/G)
10833	CakSNP10833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29085558	(T/C)
10834	CakSNP10834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29163667	(C/A)
10835	CakSNP10835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29163714	(G/C)
10836	CakSNP10836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29163699	(T/A)
10837	CakSNP10837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29163642	(G/A)
10838	CakSNP10838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29163640	(A/C)
10839	CakSNP10839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29203129	(C/G)
10840	CakSNP10840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29203201	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10841	CakSNP10841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29203210	(T/C)
10842	CakSNP10842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29205260	(A/G)
10843	CakSNP10843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29205940	(A/G)
10844	CakSNP10844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29206008	(A/G)
10845	CakSNP10845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29307254	(A/G)
10846	CakSNP10846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29495856	(C/T)
10847	CakSNP10847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	29934610	(A/T)
10848	CakSNP10848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30127756	(T/G)
10849	CakSNP10849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30257217	(C/T)
10850	CakSNP10850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30257284	(A/C)
10851	CakSNP10851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30567073	(G/A)
10852	CakSNP10852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30676031	(G/T)
10853	CakSNP10853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30676320	(T/C)
10854	CakSNP10854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30676248	(C/T)
10855	CakSNP10855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30761620	(C/T)
10856	CakSNP10856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30761641	(G/T)
10857	CakSNP10857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30913932	(T/C)
10858	CakSNP10858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30926084	(G/A)
10859	CakSNP10859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	30927221	(C/G)
10860	CakSNP10860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31011743	(A/G)
10861	CakSNP10861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31024728	(A/T)
10862	CakSNP10862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31025560	(C/G)
10863	CakSNP10863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31038808	(C/T)
10864	CakSNP10864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31048949	(T/C)
10865	CakSNP10865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31057806	(C/T)
10866	CakSNP10866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31068678	(G/A)
10867	CakSNP10867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31324962	(A/C)
10868	CakSNP10868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31324976	(A/G)
10869	CakSNP10869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31408895	(G/T)
10870	CakSNP10870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31408969	(C/T)
10871	CakSNP10871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31495897	(C/A)
10872	CakSNP10872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31495903	(A/G)
10873	CakSNP10873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31592707	(A/C)
10874	CakSNP10874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31595142	(A/C)
10875	CakSNP10875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31595136	(A/T)
10876	CakSNP10876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31895214	(G/C)
10877	CakSNP10877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31895264	(C/T)
10878	CakSNP10878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31900781	(T/G)
10879	CakSNP10879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31900785	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10880	CakSNP10880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31900790	(A/C)
10881	CakSNP10881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31966982	(C/T)
10882	CakSNP10882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967089	(T/G)
10883	CakSNP10883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967106	(G/A)
10884	CakSNP10884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967109	(T/C)
10885	CakSNP10885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967144	(T/C)
10886	CakSNP10886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967201	(C/T)
10887	CakSNP10887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31967195	(G/C)
10888	CakSNP10888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	31992907	(A/G)
10889	CakSNP10889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32035882	(C/T)
10890	CakSNP10890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32036033	(G/A)
10891	CakSNP10891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32035976	(T/C)
10892	CakSNP10892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32140428	(C/A)
10893	CakSNP10893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32140429	(G/T)
10894	CakSNP10894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32262807	(T/C)
10895	CakSNP10895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32262855	(C/T)
10896	CakSNP10896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32328468	(T/C)
10897	CakSNP10897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32717450	(G/A)
10898	CakSNP10898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32717665	(C/A)
10899	CakSNP10899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825567	(C/A)
10900	CakSNP10900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825561	(C/T)
10901	CakSNP10901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825547	(A/G)
10902	CakSNP10902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825579	(C/T)
10903	CakSNP10903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825587	(G/A)
10904	CakSNP10904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825612	(G/A)
10905	CakSNP10905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825619	(T/C)
10906	CakSNP10906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32825631	(C/A)
10907	CakSNP10907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	32914927	(C/G)
10908	CakSNP10908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33502994	(C/A)
10909	CakSNP10909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33502997	(T/A)
10910	CakSNP10910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503007	(T/C)
10911	CakSNP10911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503014	(G/T)
10912	CakSNP10912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503020	(G/A)
10913	CakSNP10913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503032	(A/C)
10914	CakSNP10914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503037	(A/T)
10915	CakSNP10915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503051	(G/C)
10916	CakSNP10916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503063	(C/G)
10917	CakSNP10917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503065	(C/A)
10918	CakSNP10918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33503071	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10919	CakSNP10919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33598926	(G/A)
10920	CakSNP10920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33704792	(C/T)
10921	CakSNP10921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33704807	(C/A)
10922	CakSNP10922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33704839	(C/T)
10923	CakSNP10923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33704782	(C/T)
10924	CakSNP10924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	33733259	(A/G)
10925	CakSNP10925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34235650	(T/C)
10926	CakSNP10926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34407309	(T/C)
10927	CakSNP10927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34481266	(A/G)
10928	CakSNP10928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34481256	(C/T)
10929	CakSNP10929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34535695	(T/C)
10930	CakSNP10930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34535983	(T/C)
10931	CakSNP10931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34596792	(A/G)
10932	CakSNP10932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34634028	(T/A)
10933	CakSNP10933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34744433	(A/G)
10934	CakSNP10934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34744438	(T/G)
10935	CakSNP10935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34744681	(T/G)
10936	CakSNP10936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34744665	(G/A)
10937	CakSNP10937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34773476	(T/A)
10938	CakSNP10938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34793312	(T/G)
10939	CakSNP10939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	34974503	(C/G)
10940	CakSNP10940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35126227	(C/T)
10941	CakSNP10941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35126273	(T/C)
10942	CakSNP10942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35126389	(G/T)
10943	CakSNP10943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35129588	(G/A)
10944	CakSNP10944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596037	(C/A)
10945	CakSNP10945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596048	(G/A)
10946	CakSNP10946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596064	(T/C)
10947	CakSNP10947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596070	(G/A)
10948	CakSNP10948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596161	(C/T)
10949	CakSNP10949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596174	(G/A)
10950	CakSNP10950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596184	(A/G)
10951	CakSNP10951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596195	(G/C)
10952	CakSNP10952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596197	(G/A)
10953	CakSNP10953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596207	(G/T)
10954	CakSNP10954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596218	(T/C)
10955	CakSNP10955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596220	(G/A)
10956	CakSNP10956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596230	(T/A)
10957	CakSNP10957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35596300	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10958	CakSNP10958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35628131	(T/C)
10959	CakSNP10959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35719930	(A/C)
10960	CakSNP10960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35743792	(A/G)
10961	CakSNP10961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962309	(C/T)
10962	CakSNP10962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962320	(T/C)
10963	CakSNP10963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962360	(T/C)
10964	CakSNP10964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962364	(T/G)
10965	CakSNP10965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962365	(T/C)
10966	CakSNP10966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	35962366	(G/A)
10967	CakSNP10967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36094855	(T/G)
10968	CakSNP10968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36371775	(A/G)
10969	CakSNP10969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36374561	(C/T)
10970	CakSNP10970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36574836	(A/G)
10971	CakSNP10971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36790467	(G/A)
10972	CakSNP10972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36790458	(G/A)
10973	CakSNP10973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36790428	(G/A)
10974	CakSNP10974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36790455	(C/T)
10975	CakSNP10975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	36790460	(A/G)
10976	CakSNP10976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139425	(C/T)
10977	CakSNP10977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139466	(G/C)
10978	CakSNP10978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139484	(T/C)
10979	CakSNP10979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139486	(G/A)
10980	CakSNP10980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139533	(T/A)
10981	CakSNP10981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139514	(C/T)
10982	CakSNP10982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139499	(C/G)
10983	CakSNP10983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139610	(T/G)
10984	CakSNP10984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37139604	(G/T)
10985	CakSNP10985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37321783	(A/T)
10986	CakSNP10986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37476426	(C/T)
10987	CakSNP10987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37476437	(A/C)
10988	CakSNP10988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37476516	(G/T)
10989	CakSNP10989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37476465	(G/A)
10990	CakSNP10990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37484467	(C/T)
10991	CakSNP10991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37484468	(G/T)
10992	CakSNP10992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37484470	(C/A)
10993	CakSNP10993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37484489	(C/G)
10994	CakSNP10994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	37484513	(T/C)
10995	CakSNP10995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38816345	(C/T)
10996	CakSNP10996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38838320	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
10997	CakSNP10997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38840279	(G/A)
10998	CakSNP10998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38840315	(G/A)
10999	CakSNP10999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38840273	(G/A)
11000	CakSNP11000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38881909	(C/A)
11001	CakSNP11001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38886735	(C/A)
11002	CakSNP11002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38994879	(A/G)
11003	CakSNP11003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38994925	(G/T)
11004	CakSNP11004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38994954	(A/G)
11005	CakSNP11005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	38994962	(G/A)
11006	CakSNP11006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39028564	(T/G)
11007	CakSNP11007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39107187	(C/T)
11008	CakSNP11008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39107149	(A/C)
11009	CakSNP11009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39107188	(A/C)
11010	CakSNP11010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39317016	(T/G)
11011	CakSNP11011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39380625	(A/C)
11012	CakSNP11012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	39908314	(T/G)
11013	CakSNP11013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40047823	(A/G)
11014	CakSNP11014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40128644	(T/C)
11015	CakSNP11015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40468356	(T/A)
11016	CakSNP11016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40477285	(G/A)
11017	CakSNP11017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40657695	(A/C)
11018	CakSNP11018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40735186	(C/A)
11019	CakSNP11019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40767566	(A/G)
11020	CakSNP11020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40821354	(C/T)
11021	CakSNP11021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	40935441	(A/T)
11022	CakSNP11022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41121337	(C/T)
11023	CakSNP11023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41121330	(G/A)
11024	CakSNP11024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41363546	(G/A)
11025	CakSNP11025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41420918	(T/A)
11026	CakSNP11026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41420917	(A/G)
11027	CakSNP11027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41449028	(C/T)
11028	CakSNP11028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41682983	(T/C)
11029	CakSNP11029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41682966	(C/T)
11030	CakSNP11030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41682943	(T/C)
11031	CakSNP11031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41697812	(T/G)
11032	CakSNP11032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41708309	(G/A)
11033	CakSNP11033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41708306	(G/A)
11034	CakSNP11034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41708523	(T/G)
11035	CakSNP11035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	41708474	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11036	CakSNP11036	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	41708530	(C/A)
11037	CakSNP11037	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	41907459	(C/G)
11038	CakSNP11038	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42004851	(A/G)
11039	CakSNP11039	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42004829	(T/G)
11040	CakSNP11040	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42004818	(C/G)
11041	CakSNP11041	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42004813	(C/T)
11042	CakSNP11042	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42161851	(A/G)
11043	CakSNP11043	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42161857	(C/G)
11044	CakSNP11044	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42161866	(T/G)
11045	CakSNP11045	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42521162	(G/T)
11046	CakSNP11046	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42855091	(T/G)
11047	CakSNP11047	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42904998	(C/G)
11048	CakSNP11048	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905012	(G/A)
11049	CakSNP11049	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905039	(C/T)
11050	CakSNP11050	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905035	(T/A)
11051	CakSNP11051	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905111	(T/C)
11052	CakSNP11052	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905094	(C/T)
11053	CakSNP11053	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905090	(G/A)
11054	CakSNP11054	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905086	(T/C)
11055	CakSNP11055	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905058	(C/G)
11056	CakSNP11056	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905059	(A/G)
11057	CakSNP11057	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905072	(T/C)
11058	CakSNP11058	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905115	(G/T)
11059	CakSNP11059	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42905116	(A/T)
11060	CakSNP11060	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42919899	(G/A)
11061	CakSNP11061	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42923969	(A/C)
11062	CakSNP11062	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	42925974	(C/T)
11063	CakSNP11063	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	43148829	(C/T)
11064	CakSNP11064	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	43148824	(C/A)
11065	CakSNP11065	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	43148784	(C/G)
11066	CakSNP11066	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	43905509	(A/T)
11067	CakSNP11067	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	43907445	(T/C)
11068	CakSNP11068	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44530888	(C/A)
11069	CakSNP11069	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44530889	(A/G)
11070	CakSNP11070	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44707313	(T/A)
11071	CakSNP11071	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44711166	(A/G)
11072	CakSNP11072	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44792535	(C/T)
11073	CakSNP11073	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44792529	(G/C)
11074	CakSNP11074	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	44792493	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11075	CakSNP11075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	44792486	(G/A)
11076	CakSNP11076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	44937666	(C/T)
11077	CakSNP11077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	44944917	(G/A)
11078	CakSNP11078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45053093	(A/G)
11079	CakSNP11079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45053214	(C/T)
11080	CakSNP11080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45131295	(C/T)
11081	CakSNP11081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45132545	(A/G)
11082	CakSNP11082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178060	(G/A)
11083	CakSNP11083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178056	(A/G)
11084	CakSNP11084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178045	(G/T)
11085	CakSNP11085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178044	(G/A)
11086	CakSNP11086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178033	(C/A)
11087	CakSNP11087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45178061	(C/T)
11088	CakSNP11088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45201783	(C/T)
11089	CakSNP11089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45293271	(T/C)
11090	CakSNP11090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45500961	(T/A)
11091	CakSNP11091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45501099	(C/A)
11092	CakSNP11092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45505942	(A/G)
11093	CakSNP11093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45550031	(C/A)
11094	CakSNP11094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45554040	(G/A)
11095	CakSNP11095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45557656	(T/C)
11096	CakSNP11096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45614017	(T/C)
11097	CakSNP11097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637271	(T/G)
11098	CakSNP11098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637292	(C/A)
11099	CakSNP11099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637293	(T/C)
11100	CakSNP11100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637322	(C/A)
11101	CakSNP11101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637309	(G/A)
11102	CakSNP11102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45637308	(G/T)
11103	CakSNP11103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45693275	(G/A)
11104	CakSNP11104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45695051	(T/G)
11105	CakSNP11105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45695043	(C/T)
11106	CakSNP11106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45695035	(G/A)
11107	CakSNP11107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45709318	(T/C)
11108	CakSNP11108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773318	(C/T)
11109	CakSNP11109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773309	(A/G)
11110	CakSNP11110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773298	(C/G)
11111	CakSNP11111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773409	(T/A)
11112	CakSNP11112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773408	(T/A)
11113	CakSNP11113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773373	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11114	CakSNP11114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773367	(G/T)
11115	CakSNP11115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45773349	(C/T)
11116	CakSNP11116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45812152	(G/A)
11117	CakSNP11117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45976962	(G/A)
11118	CakSNP11118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45978206	(T/C)
11119	CakSNP11119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	45978263	(G/A)
11120	CakSNP11120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46158211	(C/T)
11121	CakSNP11121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46734706	(C/G)
11122	CakSNP11122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46734725	(G/A)
11123	CakSNP11123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46734726	(T/C)
11124	CakSNP11124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765659	(G/A)
11125	CakSNP11125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765661	(A/T)
11126	CakSNP11126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765673	(G/A)
11127	CakSNP11127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765688	(A/C)
11128	CakSNP11128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765725	(C/T)
11129	CakSNP11129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765778	(C/A)
11130	CakSNP11130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46765696	(C/T)
11131	CakSNP11131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46830497	(A/T)
11132	CakSNP11132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46896903	(C/T)
11133	CakSNP11133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46896910	(A/C)
11134	CakSNP11134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898225	(A/C)
11135	CakSNP11135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898305	(T/G)
11136	CakSNP11136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898316	(T/G)
11137	CakSNP11137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898317	(C/T)
11138	CakSNP11138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898363	(C/T)
11139	CakSNP11139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898329	(T/A)
11140	CakSNP11140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898747	(G/A)
11141	CakSNP11141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46898743	(A/G)
11142	CakSNP11142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46899229	(G/A)
11143	CakSNP11143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46979240	(C/T)
11144	CakSNP11144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46979267	(C/A)
11145	CakSNP11145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46998948	(G/A)
11146	CakSNP11146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	46999012	(C/T)
11147	CakSNP11147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47104478	(T/G)
11148	CakSNP11148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47104505	(C/T)
11149	CakSNP11149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47106174	(A/G)
11150	CakSNP11150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47106238	(C/A)
11151	CakSNP11151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47232630	(C/T)
11152	CakSNP11152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47232631	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11153	CakSNP11153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47232685	(T/A)
11154	CakSNP11154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47440468	(A/T)
11155	CakSNP11155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47575655	(G/T)
11156	CakSNP11156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47575659	(C/G)
11157	CakSNP11157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47906683	(G/A)
11158	CakSNP11158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47906680	(C/T)
11159	CakSNP11159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	47906629	(T/G)
11160	CakSNP11160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48088550	(G/A)
11161	CakSNP11161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48088592	(C/T)
11162	CakSNP11162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255392	(G/A)
11163	CakSNP11163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255538	(A/G)
11164	CakSNP11164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255558	(C/T)
11165	CakSNP11165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255559	(A/G)
11166	CakSNP11166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255568	(A/G)
11167	CakSNP11167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48255599	(C/A)
11168	CakSNP11168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48314052	(T/A)
11169	CakSNP11169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48314788	(T/C)
11170	CakSNP11170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48315194	(C/A)
11171	CakSNP11171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48315340	(C/A)
11172	CakSNP11172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48315343	(G/T)
11173	CakSNP11173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48810611	(A/T)
11174	CakSNP11174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48810608	(C/T)
11175	CakSNP11175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48864622	(T/C)
11176	CakSNP11176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48864625	(G/A)
11177	CakSNP11177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48864639	(A/C)
11178	CakSNP11178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48864699	(T/C)
11179	CakSNP11179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869462	(C/T)
11180	CakSNP11180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869473	(C/A)
11181	CakSNP11181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869484	(G/A)
11182	CakSNP11182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869577	(C/T)
11183	CakSNP11183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869539	(A/G)
11184	CakSNP11184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869529	(T/C)
11185	CakSNP11185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48869512	(G/C)
11186	CakSNP11186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	48940386	(A/C)
11187	CakSNP11187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044772	(A/C)
11188	CakSNP11188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044785	(C/T)
11189	CakSNP11189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044794	(T/A)
11190	CakSNP11190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044802	(T/C)
11191	CakSNP11191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044805	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11192	CakSNP11192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044814	(G/T)
11193	CakSNP11193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044824	(C/T)
11194	CakSNP11194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044839	(T/A)
11195	CakSNP11195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044850	(A/C)
11196	CakSNP11196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044847	(G/A)
11197	CakSNP11197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044842	(G/A)
11198	CakSNP11198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044838	(C/A)
11199	CakSNP11199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044835	(C/A)
11200	CakSNP11200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044826	(G/A)
11201	CakSNP11201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044821	(C/G)
11202	CakSNP11202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044810	(G/A)
11203	CakSNP11203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044808	(C/T)
11204	CakSNP11204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044788	(T/A)
11205	CakSNP11205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044780	(G/A)
11206	CakSNP11206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044915	(A/G)
11207	CakSNP11207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044928	(C/A)
11208	CakSNP11208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044936	(C/T)
11209	CakSNP11209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044937	(A/G)
11210	CakSNP11210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49044944	(A/G)
11211	CakSNP11211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49101829	(G/C)
11212	CakSNP11212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49167341	(T/G)
11213	CakSNP11213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222291	(G/A)
11214	CakSNP11214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222290	(C/T)
11215	CakSNP11215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222275	(A/C)
11216	CakSNP11216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222268	(T/A)
11217	CakSNP11217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222251	(G/A)
11218	CakSNP11218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49222235	(G/C)
11219	CakSNP11219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49377275	(G/A)
11220	CakSNP11220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49403430	(G/C)
11221	CakSNP11221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49406604	(G/A)
11222	CakSNP11222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49406599	(C/A)
11223	CakSNP11223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49466066	(A/G)
11224	CakSNP11224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49475716	(G/A)
11225	CakSNP11225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49475715	(A/G)
11226	CakSNP11226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49524179	(A/T)
11227	CakSNP11227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49565934	(C/T)
11228	CakSNP11228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49664132	(C/G)
11229	CakSNP11229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49724448	(C/T)
11230	CakSNP11230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49724515	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11231	CakSNP11231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49726734	(C/G)
11232	CakSNP11232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49726732	(T/C)
11233	CakSNP11233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49726729	(G/A)
11234	CakSNP11234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49726711	(C/T)
11235	CakSNP11235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49726723	(G/A)
11236	CakSNP11236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49830299	(A/G)
11237	CakSNP11237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49830384	(G/A)
11238	CakSNP11238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49833934	(C/T)
11239	CakSNP11239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49843667	(G/A)
11240	CakSNP11240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49846257	(A/T)
11241	CakSNP11241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49846303	(T/G)
11242	CakSNP11242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49931821	(C/T)
11243	CakSNP11243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49931879	(T/C)
11244	CakSNP11244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	49942397	(A/G)
11245	CakSNP11245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50086781	(A/G)
11246	CakSNP11246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50152053	(C/T)
11247	CakSNP11247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50152129	(C/T)
11248	CakSNP11248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50152124	(C/T)
11249	CakSNP11249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50152119	(T/C)
11250	CakSNP11250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50152083	(C/T)
11251	CakSNP11251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50217734	(G/A)
11252	CakSNP11252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356239	(A/G)
11253	CakSNP11253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356229	(C/T)
11254	CakSNP11254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356222	(C/A)
11255	CakSNP11255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356217	(T/C)
11256	CakSNP11256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356206	(G/T)
11257	CakSNP11257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50356201	(T/C)
11258	CakSNP11258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50382452	(C/T)
11259	CakSNP11259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50384101	(A/C)
11260	CakSNP11260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50390752	(A/G)
11261	CakSNP11261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50476721	(T/C)
11262	CakSNP11262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50476775	(G/A)
11263	CakSNP11263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50477672	(A/C)
11264	CakSNP11264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50581295	(T/G)
11265	CakSNP11265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50617926	(G/C)
11266	CakSNP11266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50617932	(G/A)
11267	CakSNP11267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723595	(T/C)
11268	CakSNP11268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723630	(C/T)
11269	CakSNP11269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723916	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11270	CakSNP11270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723950	(A/G)
11271	CakSNP11271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723980	(A/G)
11272	CakSNP11272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	50723988	(C/A)
11273	CakSNP11273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51157961	(C/T)
11274	CakSNP11274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51157939	(A/C)
11275	CakSNP11275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51162065	(T/C)
11276	CakSNP11276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51281235	(G/A)
11277	CakSNP11277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51281178	(C/G)
11278	CakSNP11278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51345460	(G/C)
11279	CakSNP11279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51392609	(T/C)
11280	CakSNP11280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	51471573	(T/C)
11281	CakSNP11281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52007211	(T/C)
11282	CakSNP11282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52007217	(G/A)
11283	CakSNP11283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52007471	(C/T)
11284	CakSNP11284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52007464	(C/G)
11285	CakSNP11285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52007440	(C/T)
11286	CakSNP11286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52033279	(G/A)
11287	CakSNP11287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52033244	(A/T)
11288	CakSNP11288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52059750	(A/G)
11289	CakSNP11289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52065393	(C/A)
11290	CakSNP11290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52065527	(T/A)
11291	CakSNP11291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52164571	(C/A)
11292	CakSNP11292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52227277	(T/C)
11293	CakSNP11293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52304094	(C/T)
11294	CakSNP11294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52304112	(A/G)
11295	CakSNP11295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52363121	(C/T)
11296	CakSNP11296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52416366	(T/A)
11297	CakSNP11297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52417684	(C/T)
11298	CakSNP11298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52417717	(T/G)
11299	CakSNP11299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52417720	(A/T)
11300	CakSNP11300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52417736	(T/A)
11301	CakSNP11301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52417747	(G/T)
11302	CakSNP11302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52567474	(A/C)
11303	CakSNP11303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52596602	(T/A)
11304	CakSNP11304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52596601	(A/T)
11305	CakSNP11305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52858359	(A/G)
11306	CakSNP11306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	52993231	(A/G)
11307	CakSNP11307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53068176	(C/T)
11308	CakSNP11308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53068201	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11309	CakSNP11309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53097833	(G/C)
11310	CakSNP11310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53097803	(A/G)
11311	CakSNP11311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53097766	(G/A)
11312	CakSNP11312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53124182	(G/T)
11313	CakSNP11313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53168715	(T/G)
11314	CakSNP11314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53348993	(C/A)
11315	CakSNP11315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53349034	(G/A)
11316	CakSNP11316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53390065	(A/G)
11317	CakSNP11317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53461929	(C/A)
11318	CakSNP11318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53461883	(A/G)
11319	CakSNP11319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53541031	(G/A)
11320	CakSNP11320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53541094	(C/G)
11321	CakSNP11321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53541111	(T/G)
11322	CakSNP11322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53551878	(C/A)
11323	CakSNP11323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53558430	(A/C)
11324	CakSNP11324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53566496	(G/A)
11325	CakSNP11325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53566506	(C/T)
11326	CakSNP11326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53625264	(A/C)
11327	CakSNP11327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53683753	(T/C)
11328	CakSNP11328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53683891	(C/A)
11329	CakSNP11329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53683885	(C/T)
11330	CakSNP11330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53683879	(C/T)
11331	CakSNP11331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53683876	(C/T)
11332	CakSNP11332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53692784	(G/A)
11333	CakSNP11333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53769044	(A/C)
11334	CakSNP11334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53769160	(C/T)
11335	CakSNP11335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53769240	(T/A)
11336	CakSNP11336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	53769241	(A/T)
11337	CakSNP11337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54091997	(A/C)
11338	CakSNP11338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54151902	(T/G)
11339	CakSNP11339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54151966	(G/C)
11340	CakSNP11340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54151969	(T/G)
11341	CakSNP11341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54203356	(G/A)
11342	CakSNP11342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54203400	(C/T)
11343	CakSNP11343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54226451	(A/T)
11344	CakSNP11344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54226432	(A/C)
11345	CakSNP11345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54229449	(G/T)
11346	CakSNP11346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54237764	(A/C)
11347	CakSNP11347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54237815	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11348	CakSNP11348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54250702	(C/T)
11349	CakSNP11349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54368267	(G/A)
11350	CakSNP11350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54869636	(C/T)
11351	CakSNP11351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54869666	(G/A)
11352	CakSNP11352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	54997337	(A/T)
11353	CakSNP11353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024071	(C/T)
11354	CakSNP11354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024091	(G/A)
11355	CakSNP11355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024146	(C/T)
11356	CakSNP11356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024140	(G/A)
11357	CakSNP11357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024130	(T/A)
11358	CakSNP11358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024112	(C/G)
11359	CakSNP11359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024093	(G/C)
11360	CakSNP11360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024108	(C/T)
11361	CakSNP11361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024136	(C/T)
11362	CakSNP11362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024159	(T/A)
11363	CakSNP11363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55024198	(T/G)
11364	CakSNP11364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55028980	(G/A)
11365	CakSNP11365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55074979	(T/A)
11366	CakSNP11366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55083311	(T/A)
11367	CakSNP11367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55083721	(T/A)
11368	CakSNP11368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55180211	(A/G)
11369	CakSNP11369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55332515	(G/A)
11370	CakSNP11370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55914455	(T/C)
11371	CakSNP11371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55914451	(A/G)
11372	CakSNP11372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55914443	(T/C)
11373	CakSNP11373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55914434	(C/T)
11374	CakSNP11374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55914431	(G/A)
11375	CakSNP11375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55922843	(T/A)
11376	CakSNP11376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55922850	(C/T)
11377	CakSNP11377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55942105	(A/G)
11378	CakSNP11378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55953320	(T/A)
11379	CakSNP11379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	55953327	(C/T)
11380	CakSNP11380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56025902	(A/G)
11381	CakSNP11381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56025888	(G/A)
11382	CakSNP11382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56025884	(A/G)
11383	CakSNP11383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56029491	(T/A)
11384	CakSNP11384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56029544	(A/T)
11385	CakSNP11385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56029549	(C/T)
11386	CakSNP11386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56137878	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11387	CakSNP11387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56553930	(G/A)
11388	CakSNP11388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56564249	(G/C)
11389	CakSNP11389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56587094	(C/G)
11390	CakSNP11390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56593148	(A/G)
11391	CakSNP11391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56593121	(T/G)
11392	CakSNP11392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56624316	(A/T)
11393	CakSNP11393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56624674	(T/C)
11394	CakSNP11394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56624718	(C/A)
11395	CakSNP11395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56694898	(T/C)
11396	CakSNP11396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56765524	(C/A)
11397	CakSNP11397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56793077	(G/A)
11398	CakSNP11398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56793037	(A/T)
11399	CakSNP11399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56793021	(G/T)
11400	CakSNP11400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56793122	(C/T)
11401	CakSNP11401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56822084	(G/T)
11402	CakSNP11402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56822060	(G/A)
11403	CakSNP11403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56840030	(A/C)
11404	CakSNP11404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56840084	(A/T)
11405	CakSNP11405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56840063	(T/A)
11406	CakSNP11406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56840038	(A/T)
11407	CakSNP11407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56854753	(T/C)
11408	CakSNP11408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56946415	(A/G)
11409	CakSNP11409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56946431	(T/C)
11410	CakSNP11410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56950487	(G/T)
11411	CakSNP11411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56980313	(T/C)
11412	CakSNP11412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56980286	(T/C)
11413	CakSNP11413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	56980321	(T/C)
11414	CakSNP11414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57147008	(A/G)
11415	CakSNP11415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57198837	(G/A)
11416	CakSNP11416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57259982	(C/A)
11417	CakSNP11417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57260020	(A/G)
11418	CakSNP11418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57260022	(T/C)
11419	CakSNP11419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57272604	(A/G)
11420	CakSNP11420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57272607	(G/A)
11421	CakSNP11421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57272608	(C/A)
11422	CakSNP11422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57277430	(A/G)
11423	CakSNP11423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57277440	(C/T)
11424	CakSNP11424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57344963	(G/T)
11425	CakSNP11425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57382220	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11426	CakSNP11426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57433674	(T/A)
11427	CakSNP11427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57436112	(A/T)
11428	CakSNP11428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57436119	(T/C)
11429	CakSNP11429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57436149	(T/A)
11430	CakSNP11430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57436320	(T/G)
11431	CakSNP11431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57437904	(A/G)
11432	CakSNP11432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57449892	(A/G)
11433	CakSNP11433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57475853	(G/T)
11434	CakSNP11434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57475892	(A/G)
11435	CakSNP11435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57475982	(A/G)
11436	CakSNP11436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57533087	(G/A)
11437	CakSNP11437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57579770	(G/T)
11438	CakSNP11438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57579768	(C/T)
11439	CakSNP11439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57580569	(C/T)
11440	CakSNP11440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57603257	(T/A)
11441	CakSNP11441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57625134	(G/A)
11442	CakSNP11442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57625320	(G/A)
11443	CakSNP11443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57632486	(C/T)
11444	CakSNP11444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57634387	(G/T)
11445	CakSNP11445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57634677	(G/A)
11446	CakSNP11446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57637091	(G/A)
11447	CakSNP11447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57637083	(T/G)
11448	CakSNP11448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57637075	(C/T)
11449	CakSNP11449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57662858	(T/A)
11450	CakSNP11450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57667515	(A/T)
11451	CakSNP11451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57688937	(C/T)
11452	CakSNP11452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57704057	(C/T)
11453	CakSNP11453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57704802	(T/C)
11454	CakSNP11454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57705011	(G/A)
11455	CakSNP11455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707716	(C/T)
11456	CakSNP11456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707724	(A/C)
11457	CakSNP11457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707727	(T/G)
11458	CakSNP11458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707848	(A/G)
11459	CakSNP11459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707846	(G/A)
11460	CakSNP11460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57707912	(G/C)
11461	CakSNP11461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57708019	(A/G)
11462	CakSNP11462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57708130	(T/C)
11463	CakSNP11463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57708101	(T/G)
11464	CakSNP11464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57708198	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11465	CakSNP11465	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57710133	(C/G)
11466	CakSNP11466	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57720446	(T/C)
11467	CakSNP11467	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57723992	(A/C)
11468	CakSNP11468	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57725372	(A/C)
11469	CakSNP11469	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57746989	(C/T)
11470	CakSNP11470	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57747101	(C/T)
11471	CakSNP11471	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57748565	(A/G)
11472	CakSNP11472	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57748602	(A/T)
11473	CakSNP11473	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57753076	(T/C)
11474	CakSNP11474	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57756699	(G/A)
11475	CakSNP11475	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760109	(T/G)
11476	CakSNP11476	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760176	(C/T)
11477	CakSNP11477	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760227	(C/T)
11478	CakSNP11478	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760290	(A/T)
11479	CakSNP11479	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760291	(G/T)
11480	CakSNP11480	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57760360	(A/G)
11481	CakSNP11481	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57761758	(G/A)
11482	CakSNP11482	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57761722	(T/C)
11483	CakSNP11483	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766444	(C/T)
11484	CakSNP11484	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766484	(T/A)
11485	CakSNP11485	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766483	(C/A)
11486	CakSNP11486	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766570	(C/T)
11487	CakSNP11487	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766588	(G/A)
11488	CakSNP11488	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57766598	(G/A)
11489	CakSNP11489	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57768314	(T/C)
11490	CakSNP11490	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57801985	(A/C)
11491	CakSNP11491	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57831050	(G/T)
11492	CakSNP11492	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57831049	(C/T)
11493	CakSNP11493	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57831040	(T/C)
11494	CakSNP11494	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57835093	(T/A)
11495	CakSNP11495	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57835120	(G/A)
11496	CakSNP11496	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57835917	(G/C)
11497	CakSNP11497	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57835899	(C/T)
11498	CakSNP11498	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57836024	(G/A)
11499	CakSNP11499	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57836237	(A/G)
11500	CakSNP11500	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57836284	(G/A)
11501	CakSNP11501	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57836314	(T/A)
11502	CakSNP11502	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57836316	(G/A)
11503	CakSNP11503	<i>Kabuli</i>	<i>Ca_Kabuli_Ch06</i>	57870893	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11504	CakSNP11504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57877446	(C/A)
11505	CakSNP11505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57882364	(C/T)
11506	CakSNP11506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57894377	(A/G)
11507	CakSNP11507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57894495	(C/G)
11508	CakSNP11508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57894590	(G/C)
11509	CakSNP11509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57894585	(T/G)
11510	CakSNP11510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57904599	(T/C)
11511	CakSNP11511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57921373	(C/T)
11512	CakSNP11512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57943585	(A/T)
11513	CakSNP11513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57943626	(G/A)
11514	CakSNP11514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57943628	(A/C)
11515	CakSNP11515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57944439	(C/T)
11516	CakSNP11516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	57968924	(A/T)
11517	CakSNP11517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58036471	(C/T)
11518	CakSNP11518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58174702	(T/C)
11519	CakSNP11519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58187822	(T/G)
11520	CakSNP11520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58187859	(T/A)
11521	CakSNP11521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58187957	(A/G)
11522	CakSNP11522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58191050	(T/C)
11523	CakSNP11523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58224023	(G/T)
11524	CakSNP11524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58226908	(T/G)
11525	CakSNP11525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58227006	(T/C)
11526	CakSNP11526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58237503	(A/T)
11527	CakSNP11527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58238371	(T/C)
11528	CakSNP11528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58238397	(A/G)
11529	CakSNP11529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58243505	(G/A)
11530	CakSNP11530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58326344	(A/T)
11531	CakSNP11531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58380367	(T/C)
11532	CakSNP11532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58380394	(G/A)
11533	CakSNP11533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58380563	(G/A)
11534	CakSNP11534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58381203	(G/C)
11535	CakSNP11535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58381259	(A/G)
11536	CakSNP11536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58434217	(C/G)
11537	CakSNP11537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58452843	(A/C)
11538	CakSNP11538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58569576	(G/T)
11539	CakSNP11539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58569569	(T/C)
11540	CakSNP11540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58571660	(T/C)
11541	CakSNP11541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58596821	(T/G)
11542	CakSNP11542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58596878	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11543	CakSNP11543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58596968	(T/C)
11544	CakSNP11544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58596918	(A/G)
11545	CakSNP11545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58600930	(C/A)
11546	CakSNP11546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58600952	(A/G)
11547	CakSNP11547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58600974	(A/G)
11548	CakSNP11548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58623095	(A/G)
11549	CakSNP11549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58623096	(A/T)
11550	CakSNP11550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58623220	(T/C)
11551	CakSNP11551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58624183	(G/A)
11552	CakSNP11552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58624233	(C/A)
11553	CakSNP11553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58624299	(A/G)
11554	CakSNP11554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58624281	(A/G)
11555	CakSNP11555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58624251	(C/T)
11556	CakSNP11556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58650354	(A/G)
11557	CakSNP11557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58650330	(G/A)
11558	CakSNP11558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58650318	(A/C)
11559	CakSNP11559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58650459	(A/T)
11560	CakSNP11560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58650491	(A/G)
11561	CakSNP11561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58652881	(A/G)
11562	CakSNP11562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58672317	(A/G)
11563	CakSNP11563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58675788	(T/C)
11564	CakSNP11564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58675749	(T/C)
11565	CakSNP11565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58676507	(A/G)
11566	CakSNP11566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58676517	(A/C)
11567	CakSNP11567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58682427	(G/T)
11568	CakSNP11568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58682397	(G/A)
11569	CakSNP11569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58682387	(T/A)
11570	CakSNP11570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58730925	(T/C)
11571	CakSNP11571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58730969	(C/A)
11572	CakSNP11572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58730967	(T/G)
11573	CakSNP11573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58732424	(G/T)
11574	CakSNP11574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58732423	(C/T)
11575	CakSNP11575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58732514	(G/A)
11576	CakSNP11576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58732451	(T/C)
11577	CakSNP11577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58732475	(G/A)
11578	CakSNP11578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58745356	(A/G)
11579	CakSNP11579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58745473	(A/G)
11580	CakSNP11580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58745426	(T/C)
11581	CakSNP11581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58745583	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11582	CakSNP11582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58761879	(G/A)
11583	CakSNP11583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58779344	(A/G)
11584	CakSNP11584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58779389	(T/G)
11585	CakSNP11585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58820632	(A/C)
11586	CakSNP11586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58844717	(T/C)
11587	CakSNP11587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58844744	(A/T)
11588	CakSNP11588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58844776	(C/G)
11589	CakSNP11589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58861614	(G/A)
11590	CakSNP11590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58878604	(C/G)
11591	CakSNP11591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58879570	(T/C)
11592	CakSNP11592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903346	(G/A)
11593	CakSNP11593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903381	(G/A)
11594	CakSNP11594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903395	(A/G)
11595	CakSNP11595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903416	(T/G)
11596	CakSNP11596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903497	(G/C)
11597	CakSNP11597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58903538	(G/A)
11598	CakSNP11598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58908024	(G/A)
11599	CakSNP11599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58908045	(A/G)
11600	CakSNP11600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58908069	(G/A)
11601	CakSNP11601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58911548	(T/C)
11602	CakSNP11602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58951079	(T/C)
11603	CakSNP11603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58951298	(A/G)
11604	CakSNP11604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58951583	(C/A)
11605	CakSNP11605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58953219	(A/G)
11606	CakSNP11606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58994014	(C/T)
11607	CakSNP11607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58994083	(A/G)
11608	CakSNP11608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	58994281	(G/A)
11609	CakSNP11609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59001443	(C/T)
11610	CakSNP11610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59003792	(A/C)
11611	CakSNP11611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59064798	(G/T)
11612	CakSNP11612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59064815	(C/T)
11613	CakSNP11613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59081169	(C/T)
11614	CakSNP11614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59107027	(A/T)
11615	CakSNP11615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59107007	(G/T)
11616	CakSNP11616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59135944	(A/C)
11617	CakSNP11617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59194015	(C/G)
11618	CakSNP11618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59193994	(G/T)
11619	CakSNP11619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59194081	(T/A)
11620	CakSNP11620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59202825	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11621	CakSNP11621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59219099	(T/C)
11622	CakSNP11622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59222848	(C/T)
11623	CakSNP11623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59296368	(C/T)
11624	CakSNP11624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59296460	(G/A)
11625	CakSNP11625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59407761	(G/A)
11626	CakSNP11626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr06</i>	59417984	(G/A)
11627	CakSNP11627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16760	(T/G)
11628	CakSNP11628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16850	(C/T)
11629	CakSNP11629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16880	(G/A)
11630	CakSNP11630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16881	(A/G)
11631	CakSNP11631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41841	(G/A)
11632	CakSNP11632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	55131	(T/C)
11633	CakSNP11633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	208824	(A/G)
11634	CakSNP11634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	218346	(C/A)
11635	CakSNP11635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	218341	(C/G)
11636	CakSNP11636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419301	(C/T)
11637	CakSNP11637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419316	(A/G)
11638	CakSNP11638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419334	(A/C)
11639	CakSNP11639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419385	(T/G)
11640	CakSNP11640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419328	(C/T)
11641	CakSNP11641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419679	(C/T)
11642	CakSNP11642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419638	(C/T)
11643	CakSNP11643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	419628	(A/C)
11644	CakSNP11644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	528521	(G/A)
11645	CakSNP11645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601563	(T/A)
11646	CakSNP11646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601551	(T/C)
11647	CakSNP11647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601545	(C/T)
11648	CakSNP11648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601538	(C/A)
11649	CakSNP11649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601521	(G/A)
11650	CakSNP11650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601516	(G/A)
11651	CakSNP11651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601513	(C/G)
11652	CakSNP11652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601502	(G/T)
11653	CakSNP11653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601496	(C/T)
11654	CakSNP11654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601586	(C/T)
11655	CakSNP11655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601601	(C/T)
11656	CakSNP11656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601612	(A/G)
11657	CakSNP11657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601643	(G/T)
11658	CakSNP11658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601622	(G/C)
11659	CakSNP11659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601657	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11660	CakSNP11660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601719	(G/T)
11661	CakSNP11661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601718	(G/C)
11662	CakSNP11662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601714	(A/T)
11663	CakSNP11663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601709	(A/C)
11664	CakSNP11664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601683	(G/A)
11665	CakSNP11665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	601647	(C/T)
11666	CakSNP11666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	610737	(C/A)
11667	CakSNP11667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	610723	(G/T)
11668	CakSNP11668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	667597	(C/T)
11669	CakSNP11669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	674791	(A/T)
11670	CakSNP11670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	676785	(G/T)
11671	CakSNP11671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	676786	(G/A)
11672	CakSNP11672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	676790	(T/C)
11673	CakSNP11673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	683245	(T/C)
11674	CakSNP11674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	761710	(A/G)
11675	CakSNP11675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	767708	(G/A)
11676	CakSNP11676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	781377	(G/T)
11677	CakSNP11677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	781409	(A/G)
11678	CakSNP11678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	807095	(A/T)
11679	CakSNP11679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	807110	(T/C)
11680	CakSNP11680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	807133	(T/A)
11681	CakSNP11681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	815477	(A/T)
11682	CakSNP11682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	815526	(C/A)
11683	CakSNP11683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	838581	(C/A)
11684	CakSNP11684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	838651	(A/C)
11685	CakSNP11685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	841988	(T/C)
11686	CakSNP11686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	844248	(G/A)
11687	CakSNP11687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	845488	(A/G)
11688	CakSNP11688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	865007	(C/T)
11689	CakSNP11689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	865170	(C/T)
11690	CakSNP11690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	873207	(A/G)
11691	CakSNP11691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	888900	(G/A)
11692	CakSNP11692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	888987	(A/G)
11693	CakSNP11693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	975236	(T/A)
11694	CakSNP11694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	993031	(G/T)
11695	CakSNP11695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	994976	(G/A)
11696	CakSNP11696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	995691	(C/T)
11697	CakSNP11697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	995674	(T/C)
11698	CakSNP11698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1022946	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11699	CakSNP11699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1045113	(A/C)
11700	CakSNP11700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1045127	(T/A)
11701	CakSNP11701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1096379	(C/T)
11702	CakSNP11702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1153267	(A/C)
11703	CakSNP11703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1174188	(C/T)
11704	CakSNP11704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1293601	(C/G)
11705	CakSNP11705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1350605	(C/T)
11706	CakSNP11706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1350856	(G/T)
11707	CakSNP11707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1350846	(A/T)
11708	CakSNP11708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1350947	(T/G)
11709	CakSNP11709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1414206	(C/A)
11710	CakSNP11710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1505646	(G/A)
11711	CakSNP11711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1509156	(G/A)
11712	CakSNP11712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1511252	(C/T)
11713	CakSNP11713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1585622	(T/C)
11714	CakSNP11714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1635519	(G/A)
11715	CakSNP11715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1635471	(G/T)
11716	CakSNP11716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1702033	(G/T)
11717	CakSNP11717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1702063	(A/G)
11718	CakSNP11718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1702077	(G/C)
11719	CakSNP11719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1704780	(T/G)
11720	CakSNP11720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1704802	(A/G)
11721	CakSNP11721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1704892	(A/G)
11722	CakSNP11722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1704947	(C/T)
11723	CakSNP11723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1705197	(A/C)
11724	CakSNP11724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1707283	(G/T)
11725	CakSNP11725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1707375	(C/G)
11726	CakSNP11726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1739369	(C/A)
11727	CakSNP11727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1787308	(T/A)
11728	CakSNP11728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1787417	(G/A)
11729	CakSNP11729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1946020	(G/A)
11730	CakSNP11730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1963659	(T/A)
11731	CakSNP11731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1963757	(A/G)
11732	CakSNP11732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	1991642	(G/T)
11733	CakSNP11733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2012854	(T/A)
11734	CakSNP11734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2103626	(C/T)
11735	CakSNP11735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2106876	(C/A)
11736	CakSNP11736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2106917	(A/T)
11737	CakSNP11737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2146554	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11738	CakSNP11738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2167517	(A/C)
11739	CakSNP11739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2167540	(G/C)
11740	CakSNP11740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2211897	(G/A)
11741	CakSNP11741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2219764	(C/T)
11742	CakSNP11742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2230434	(A/G)
11743	CakSNP11743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2262749	(C/G)
11744	CakSNP11744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2262865	(A/G)
11745	CakSNP11745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2262843	(T/A)
11746	CakSNP11746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2361064	(T/G)
11747	CakSNP11747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2387109	(C/T)
11748	CakSNP11748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2391392	(G/A)
11749	CakSNP11749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2401235	(T/C)
11750	CakSNP11750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2493033	(A/G)
11751	CakSNP11751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2538167	(C/G)
11752	CakSNP11752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2541501	(A/G)
11753	CakSNP11753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2541551	(G/A)
11754	CakSNP11754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2541653	(C/G)
11755	CakSNP11755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2545613	(T/C)
11756	CakSNP11756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2552454	(G/T)
11757	CakSNP11757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2603595	(C/T)
11758	CakSNP11758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2603633	(C/T)
11759	CakSNP11759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2603649	(T/C)
11760	CakSNP11760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2609831	(C/A)
11761	CakSNP11761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2618478	(C/T)
11762	CakSNP11762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2654442	(T/G)
11763	CakSNP11763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2654478	(C/T)
11764	CakSNP11764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2684213	(A/G)
11765	CakSNP11765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2734680	(A/G)
11766	CakSNP11766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2734625	(C/T)
11767	CakSNP11767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2745665	(A/C)
11768	CakSNP11768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2745656	(A/C)
11769	CakSNP11769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2757260	(C/T)
11770	CakSNP11770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2757255	(G/C)
11771	CakSNP11771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2757253	(T/G)
11772	CakSNP11772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2762396	(G/A)
11773	CakSNP11773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2762406	(C/T)
11774	CakSNP11774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2762423	(G/A)
11775	CakSNP11775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2832369	(C/T)
11776	CakSNP11776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2857630	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11777	CakSNP11777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2857818	(T/A)
11778	CakSNP11778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2857844	(C/T)
11779	CakSNP11779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2909641	(A/G)
11780	CakSNP11780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2915375	(C/G)
11781	CakSNP11781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2932309	(C/G)
11782	CakSNP11782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2932301	(C/A)
11783	CakSNP11783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2932377	(C/T)
11784	CakSNP11784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2956665	(C/T)
11785	CakSNP11785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2956767	(A/G)
11786	CakSNP11786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2969653	(A/G)
11787	CakSNP11787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	2997261	(A/G)
11788	CakSNP11788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3023182	(T/C)
11789	CakSNP11789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3023154	(T/C)
11790	CakSNP11790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3070531	(A/C)
11791	CakSNP11791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3090898	(G/A)
11792	CakSNP11792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3093884	(T/A)
11793	CakSNP11793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3093953	(T/G)
11794	CakSNP11794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3094090	(G/A)
11795	CakSNP11795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3094087	(A/G)
11796	CakSNP11796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3107197	(C/T)
11797	CakSNP11797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3107239	(T/A)
11798	CakSNP11798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3109250	(T/C)
11799	CakSNP11799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3109352	(T/C)
11800	CakSNP11800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3110316	(A/G)
11801	CakSNP11801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3130070	(A/G)
11802	CakSNP11802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3130069	(A/G)
11803	CakSNP11803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3143409	(C/T)
11804	CakSNP11804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3186341	(C/T)
11805	CakSNP11805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3186262	(T/G)
11806	CakSNP11806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3198197	(C/A)
11807	CakSNP11807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3198263	(T/C)
11808	CakSNP11808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3217916	(T/G)
11809	CakSNP11809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3236150	(A/C)
11810	CakSNP11810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3265823	(A/G)
11811	CakSNP11811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3297560	(G/A)
11812	CakSNP11812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3297677	(G/T)
11813	CakSNP11813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3315157	(A/G)
11814	CakSNP11814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3351037	(G/T)
11815	CakSNP11815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3353095	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11816	CakSNP11816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3355627	(A/G)
11817	CakSNP11817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3355763	(A/G)
11818	CakSNP11818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3356399	(G/A)
11819	CakSNP11819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3357452	(G/A)
11820	CakSNP11820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3430492	(A/T)
11821	CakSNP11821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3430479	(G/A)
11822	CakSNP11822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3445031	(T/C)
11823	CakSNP11823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3476546	(T/C)
11824	CakSNP11824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3504900	(G/A)
11825	CakSNP11825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3505012	(A/C)
11826	CakSNP11826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3518048	(G/A)
11827	CakSNP11827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3519510	(A/G)
11828	CakSNP11828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3519701	(A/C)
11829	CakSNP11829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3521150	(A/G)
11830	CakSNP11830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3521257	(G/A)
11831	CakSNP11831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3521192	(C/A)
11832	CakSNP11832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3536194	(C/T)
11833	CakSNP11833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3536233	(T/C)
11834	CakSNP11834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3543765	(A/G)
11835	CakSNP11835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3543768	(T/C)
11836	CakSNP11836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3557570	(C/T)
11837	CakSNP11837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3560182	(G/A)
11838	CakSNP11838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3560250	(C/T)
11839	CakSNP11839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3572963	(T/C)
11840	CakSNP11840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3581123	(G/A)
11841	CakSNP11841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3600826	(C/T)
11842	CakSNP11842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3600833	(T/G)
11843	CakSNP11843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3600866	(T/C)
11844	CakSNP11844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3600867	(C/T)
11845	CakSNP11845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3600987	(A/C)
11846	CakSNP11846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3628086	(G/A)
11847	CakSNP11847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3635307	(G/A)
11848	CakSNP11848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3635309	(C/T)
11849	CakSNP11849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3635318	(T/A)
11850	CakSNP11850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3635325	(T/C)
11851	CakSNP11851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3635369	(G/T)
11852	CakSNP11852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3651051	(T/C)
11853	CakSNP11853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3655451	(G/T)
11854	CakSNP11854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3665651	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11855	CakSNP11855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3672192	(T/C)
11856	CakSNP11856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3672236	(G/A)
11857	CakSNP11857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3734030	(T/A)
11858	CakSNP11858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3738769	(T/C)
11859	CakSNP11859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3754778	(G/A)
11860	CakSNP11860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3754743	(G/C)
11861	CakSNP11861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3795825	(T/C)
11862	CakSNP11862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3795798	(G/A)
11863	CakSNP11863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3795776	(C/A)
11864	CakSNP11864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3796826	(A/G)
11865	CakSNP11865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3796894	(A/G)
11866	CakSNP11866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3802188	(T/A)
11867	CakSNP11867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3814791	(A/G)
11868	CakSNP11868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3817087	(C/T)
11869	CakSNP11869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3817733	(T/G)
11870	CakSNP11870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3817740	(G/T)
11871	CakSNP11871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3829115	(C/T)
11872	CakSNP11872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3843168	(A/T)
11873	CakSNP11873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3845953	(A/C)
11874	CakSNP11874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3845958	(G/A)
11875	CakSNP11875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3845996	(G/A)
11876	CakSNP11876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3856308	(C/T)
11877	CakSNP11877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3859451	(G/A)
11878	CakSNP11878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3916849	(A/C)
11879	CakSNP11879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3924920	(T/C)
11880	CakSNP11880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3946712	(G/A)
11881	CakSNP11881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3982635	(T/G)
11882	CakSNP11882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	3982622	(G/A)
11883	CakSNP11883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4017780	(C/T)
11884	CakSNP11884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4017851	(T/C)
11885	CakSNP11885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4039347	(C/A)
11886	CakSNP11886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4039300	(T/C)
11887	CakSNP11887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4039290	(A/G)
11888	CakSNP11888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4042123	(T/G)
11889	CakSNP11889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4095293	(A/G)
11890	CakSNP11890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4168933	(G/T)
11891	CakSNP11891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4194809	(T/A)
11892	CakSNP11892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4194890	(C/A)
11893	CakSNP11893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4194891	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11894	CakSNP11894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4198812	(A/C)
11895	CakSNP11895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4209425	(C/T)
11896	CakSNP11896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4209465	(A/C)
11897	CakSNP11897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4225314	(T/C)
11898	CakSNP11898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4256529	(G/A)
11899	CakSNP11899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4256703	(C/G)
11900	CakSNP11900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4257726	(A/T)
11901	CakSNP11901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4257727	(T/A)
11902	CakSNP11902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4257838	(C/T)
11903	CakSNP11903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4257830	(G/T)
11904	CakSNP11904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4257799	(G/A)
11905	CakSNP11905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4289975	(G/A)
11906	CakSNP11906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4300525	(C/T)
11907	CakSNP11907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4300650	(T/C)
11908	CakSNP11908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4300645	(C/T)
11909	CakSNP11909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4300592	(G/A)
11910	CakSNP11910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4300584	(C/T)
11911	CakSNP11911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4305424	(G/T)
11912	CakSNP11912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4431138	(A/G)
11913	CakSNP11913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4431253	(T/C)
11914	CakSNP11914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4438929	(A/G)
11915	CakSNP11915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4455045	(T/C)
11916	CakSNP11916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4461990	(A/C)
11917	CakSNP11917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4470285	(C/G)
11918	CakSNP11918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4490514	(G/A)
11919	CakSNP11919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4490964	(G/T)
11920	CakSNP11920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4490966	(A/G)
11921	CakSNP11921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4497784	(C/T)
11922	CakSNP11922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4520606	(T/C)
11923	CakSNP11923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4525645	(A/G)
11924	CakSNP11924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4552790	(T/C)
11925	CakSNP11925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4573236	(G/A)
11926	CakSNP11926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4625723	(C/T)
11927	CakSNP11927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4648569	(A/C)
11928	CakSNP11928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4648697	(T/A)
11929	CakSNP11929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4648677	(A/T)
11930	CakSNP11930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4648662	(G/A)
11931	CakSNP11931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4649287	(A/G)
11932	CakSNP11932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4651931	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11933	CakSNP11933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4652083	(G/A)
11934	CakSNP11934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4653235	(A/C)
11935	CakSNP11935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4700570	(C/A)
11936	CakSNP11936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4749212	(T/G)
11937	CakSNP11937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4752954	(G/C)
11938	CakSNP11938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4752887	(T/G)
11939	CakSNP11939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4756338	(G/A)
11940	CakSNP11940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4832993	(A/G)
11941	CakSNP11941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4834177	(G/T)
11942	CakSNP11942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4849553	(T/G)
11943	CakSNP11943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4849573	(T/C)
11944	CakSNP11944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4907315	(C/T)
11945	CakSNP11945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4926759	(A/T)
11946	CakSNP11946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4942847	(A/G)
11947	CakSNP11947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4942902	(G/C)
11948	CakSNP11948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4945935	(C/G)
11949	CakSNP11949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	4981846	(T/C)
11950	CakSNP11950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5122536	(T/G)
11951	CakSNP11951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5251897	(G/C)
11952	CakSNP11952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5361558	(T/C)
11953	CakSNP11953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5383564	(G/C)
11954	CakSNP11954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5383566	(A/T)
11955	CakSNP11955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5383671	(G/T)
11956	CakSNP11956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5383695	(T/G)
11957	CakSNP11957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5383767	(G/A)
11958	CakSNP11958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5384447	(G/C)
11959	CakSNP11959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5384467	(C/T)
11960	CakSNP11960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5406524	(T/G)
11961	CakSNP11961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5416862	(C/G)
11962	CakSNP11962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5416865	(A/G)
11963	CakSNP11963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5416874	(C/T)
11964	CakSNP11964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5464941	(G/A)
11965	CakSNP11965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5464942	(A/G)
11966	CakSNP11966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5467744	(G/C)
11967	CakSNP11967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5500318	(C/A)
11968	CakSNP11968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5508162	(A/C)
11969	CakSNP11969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5520720	(T/G)
11970	CakSNP11970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5520934	(T/C)
11971	CakSNP11971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5521596	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
11972	CakSNP11972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5521659	(G/T)
11973	CakSNP11973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5529577	(T/G)
11974	CakSNP11974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5529729	(A/G)
11975	CakSNP11975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5529888	(A/G)
11976	CakSNP11976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5529844	(C/A)
11977	CakSNP11977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5537851	(G/C)
11978	CakSNP11978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5537880	(G/T)
11979	CakSNP11979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5561607	(G/T)
11980	CakSNP11980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5568114	(C/A)
11981	CakSNP11981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5577467	(G/T)
11982	CakSNP11982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5577439	(A/G)
11983	CakSNP11983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5581968	(G/C)
11984	CakSNP11984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5602106	(T/C)
11985	CakSNP11985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5602144	(G/T)
11986	CakSNP11986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5605118	(G/A)
11987	CakSNP11987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5605106	(G/A)
11988	CakSNP11988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5658445	(G/T)
11989	CakSNP11989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5671902	(G/T)
11990	CakSNP11990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5672009	(G/C)
11991	CakSNP11991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5672156	(T/C)
11992	CakSNP11992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5683412	(T/A)
11993	CakSNP11993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5713977	(T/C)
11994	CakSNP11994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5735293	(T/A)
11995	CakSNP11995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5735448	(A/T)
11996	CakSNP11996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5737341	(C/T)
11997	CakSNP11997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5737305	(G/A)
11998	CakSNP11998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5756269	(C/T)
11999	CakSNP11999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5756832	(A/C)
12000	CakSNP12000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774218	(T/A)
12001	CakSNP12001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774219	(T/A)
12002	CakSNP12002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774220	(A/T)
12003	CakSNP12003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774221	(A/T)
12004	CakSNP12004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774230	(G/A)
12005	CakSNP12005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774257	(C/T)
12006	CakSNP12006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5774310	(A/G)
12007	CakSNP12007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5811097	(G/A)
12008	CakSNP12008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5811060	(T/C)
12009	CakSNP12009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5811044	(T/A)
12010	CakSNP12010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5836421	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12011	CakSNP12011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5846477	(A/G)
12012	CakSNP12012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5849936	(C/T)
12013	CakSNP12013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5849904	(C/A)
12014	CakSNP12014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5850058	(T/C)
12015	CakSNP12015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5854598	(C/T)
12016	CakSNP12016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5929009	(C/G)
12017	CakSNP12017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5946113	(G/A)
12018	CakSNP12018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5950352	(T/A)
12019	CakSNP12019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5950492	(T/C)
12020	CakSNP12020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5957696	(T/C)
12021	CakSNP12021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5963611	(C/G)
12022	CakSNP12022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	5963609	(C/A)
12023	CakSNP12023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6012561	(A/C)
12024	CakSNP12024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6012611	(A/C)
12025	CakSNP12025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6029991	(G/A)
12026	CakSNP12026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6029990	(C/G)
12027	CakSNP12027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6066322	(G/A)
12028	CakSNP12028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6074408	(T/A)
12029	CakSNP12029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6075124	(T/G)
12030	CakSNP12030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6075218	(C/G)
12031	CakSNP12031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6096238	(C/A)
12032	CakSNP12032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6096237	(C/G)
12033	CakSNP12033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6110019	(T/C)
12034	CakSNP12034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6132021	(G/A)
12035	CakSNP12035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6232777	(T/C)
12036	CakSNP12036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6282979	(C/A)
12037	CakSNP12037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6282974	(T/A)
12038	CakSNP12038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6282949	(T/A)
12039	CakSNP12039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6299248	(A/G)
12040	CakSNP12040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6299249	(C/G)
12041	CakSNP12041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6330237	(A/T)
12042	CakSNP12042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340051	(A/G)
12043	CakSNP12043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340064	(C/G)
12044	CakSNP12044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340111	(C/G)
12045	CakSNP12045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340113	(G/A)
12046	CakSNP12046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340167	(T/A)
12047	CakSNP12047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6340216	(T/C)
12048	CakSNP12048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6372037	(A/G)
12049	CakSNP12049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6393366	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12050	CakSNP12050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6430396	(T/A)
12051	CakSNP12051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6433480	(C/G)
12052	CakSNP12052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6467903	(C/T)
12053	CakSNP12053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6540624	(A/G)
12054	CakSNP12054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6540602	(G/A)
12055	CakSNP12055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6540601	(G/C)
12056	CakSNP12056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6566322	(T/C)
12057	CakSNP12057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6654718	(C/T)
12058	CakSNP12058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6681050	(C/T)
12059	CakSNP12059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682456	(T/A)
12060	CakSNP12060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682454	(A/G)
12061	CakSNP12061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682453	(G/T)
12062	CakSNP12062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682448	(T/C)
12063	CakSNP12063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682443	(C/T)
12064	CakSNP12064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682439	(T/A)
12065	CakSNP12065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6682455	(G/T)
12066	CakSNP12066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6703759	(C/T)
12067	CakSNP12067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6703849	(G/T)
12068	CakSNP12068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6767204	(G/T)
12069	CakSNP12069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6769694	(T/G)
12070	CakSNP12070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6792352	(T/C)
12071	CakSNP12071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6792606	(T/G)
12072	CakSNP12072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6807817	(A/C)
12073	CakSNP12073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6814954	(G/T)
12074	CakSNP12074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6815151	(G/T)
12075	CakSNP12075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6815113	(T/C)
12076	CakSNP12076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6859511	(C/G)
12077	CakSNP12077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	6904686	(G/C)
12078	CakSNP12078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7026448	(C/T)
12079	CakSNP12079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7026516	(T/C)
12080	CakSNP12080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7026500	(T/A)
12081	CakSNP12081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7072853	(G/A)
12082	CakSNP12082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7126974	(T/C)
12083	CakSNP12083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7126979	(C/G)
12084	CakSNP12084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7127030	(G/A)
12085	CakSNP12085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7146159	(C/G)
12086	CakSNP12086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7147557	(A/G)
12087	CakSNP12087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7234422	(T/G)
12088	CakSNP12088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7234507	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12089	CakSNP12089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7234484	(G/A)
12090	CakSNP12090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7234430	(C/T)
12091	CakSNP12091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7261971	(C/T)
12092	CakSNP12092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7261941	(T/C)
12093	CakSNP12093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7265386	(T/A)
12094	CakSNP12094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7277353	(G/A)
12095	CakSNP12095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7304614	(T/G)
12096	CakSNP12096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7304617	(T/G)
12097	CakSNP12097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7423419	(G/A)
12098	CakSNP12098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7433827	(A/T)
12099	CakSNP12099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7449489	(T/C)
12100	CakSNP12100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7451931	(G/C)
12101	CakSNP12101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7491960	(G/A)
12102	CakSNP12102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7498598	(C/T)
12103	CakSNP12103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7544142	(A/G)
12104	CakSNP12104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7573889	(C/G)
12105	CakSNP12105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7576668	(A/C)
12106	CakSNP12106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7580158	(T/C)
12107	CakSNP12107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7580147	(C/A)
12108	CakSNP12108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7580118	(G/A)
12109	CakSNP12109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7612046	(A/T)
12110	CakSNP12110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7624697	(G/A)
12111	CakSNP12111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7625226	(G/T)
12112	CakSNP12112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7625277	(A/T)
12113	CakSNP12113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7625901	(A/C)
12114	CakSNP12114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7625943	(C/G)
12115	CakSNP12115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7663564	(A/G)
12116	CakSNP12116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7706816	(A/G)
12117	CakSNP12117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7756455	(C/T)
12118	CakSNP12118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7756482	(G/A)
12119	CakSNP12119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7756566	(G/A)
12120	CakSNP12120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7809179	(T/G)
12121	CakSNP12121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7809192	(A/C)
12122	CakSNP12122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7875189	(C/A)
12123	CakSNP12123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7876554	(G/A)
12124	CakSNP12124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7876561	(C/T)
12125	CakSNP12125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7876570	(C/A)
12126	CakSNP12126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7928398	(C/T)
12127	CakSNP12127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7982650	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12128	CakSNP12128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7982871	(T/C)
12129	CakSNP12129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7982890	(T/A)
12130	CakSNP12130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	7983519	(C/T)
12131	CakSNP12131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8041465	(T/G)
12132	CakSNP12132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8054489	(G/A)
12133	CakSNP12133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8061808	(A/G)
12134	CakSNP12134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8111735	(T/C)
12135	CakSNP12135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8111754	(A/C)
12136	CakSNP12136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8111759	(G/T)
12137	CakSNP12137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8169857	(A/G)
12138	CakSNP12138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8169866	(A/G)
12139	CakSNP12139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8169960	(A/T)
12140	CakSNP12140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8169947	(T/C)
12141	CakSNP12141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8187181	(G/A)
12142	CakSNP12142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8188004	(C/G)
12143	CakSNP12143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8210963	(G/A)
12144	CakSNP12144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8261062	(C/A)
12145	CakSNP12145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8286115	(A/T)
12146	CakSNP12146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8515092	(C/T)
12147	CakSNP12147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8535189	(C/T)
12148	CakSNP12148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8553114	(C/T)
12149	CakSNP12149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8569632	(A/G)
12150	CakSNP12150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8583890	(T/C)
12151	CakSNP12151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8609831	(A/T)
12152	CakSNP12152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8626840	(A/C)
12153	CakSNP12153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8626875	(A/T)
12154	CakSNP12154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8626916	(T/C)
12155	CakSNP12155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8741098	(T/C)
12156	CakSNP12156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8777670	(A/G)
12157	CakSNP12157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8777673	(A/G)
12158	CakSNP12158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8777690	(G/A)
12159	CakSNP12159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8824586	(A/G)
12160	CakSNP12160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8824591	(C/T)
12161	CakSNP12161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8830772	(A/C)
12162	CakSNP12162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8830985	(A/G)
12163	CakSNP12163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8831024	(C/T)
12164	CakSNP12164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8831096	(G/A)
12165	CakSNP12165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835601	(G/A)
12166	CakSNP12166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835602	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12167	CakSNP12167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835610	(G/A)
12168	CakSNP12168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835659	(G/T)
12169	CakSNP12169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835757	(T/C)
12170	CakSNP12170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835718	(T/G)
12171	CakSNP12171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8835705	(T/A)
12172	CakSNP12172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8844902	(C/T)
12173	CakSNP12173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8894362	(A/T)
12174	CakSNP12174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8895087	(T/C)
12175	CakSNP12175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8913092	(C/G)
12176	CakSNP12176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8937391	(A/G)
12177	CakSNP12177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	8970387	(A/G)
12178	CakSNP12178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9128044	(A/G)
12179	CakSNP12179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9128050	(C/A)
12180	CakSNP12180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9147367	(A/T)
12181	CakSNP12181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9147366	(T/G)
12182	CakSNP12182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9147502	(C/T)
12183	CakSNP12183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9151709	(T/G)
12184	CakSNP12184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9151755	(C/T)
12185	CakSNP12185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9153104	(C/A)
12186	CakSNP12186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9153062	(G/A)
12187	CakSNP12187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9214457	(T/A)
12188	CakSNP12188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9214422	(C/T)
12189	CakSNP12189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9301825	(G/C)
12190	CakSNP12190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9301881	(C/T)
12191	CakSNP12191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9327709	(C/T)
12192	CakSNP12192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9327687	(G/A)
12193	CakSNP12193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9348281	(T/C)
12194	CakSNP12194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9350506	(T/G)
12195	CakSNP12195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9350535	(A/C)
12196	CakSNP12196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9351783	(C/G)
12197	CakSNP12197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9351863	(G/A)
12198	CakSNP12198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9422842	(T/C)
12199	CakSNP12199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9422859	(T/C)
12200	CakSNP12200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9422876	(T/C)
12201	CakSNP12201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9422946	(G/C)
12202	CakSNP12202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9442836	(A/C)
12203	CakSNP12203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9475275	(T/G)
12204	CakSNP12204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9475817	(C/A)
12205	CakSNP12205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9475922	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12206	CakSNP12206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9475874	(C/T)
12207	CakSNP12207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9523902	(C/T)
12208	CakSNP12208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9528324	(A/G)
12209	CakSNP12209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9536012	(C/T)
12210	CakSNP12210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9550284	(G/C)
12211	CakSNP12211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9550230	(C/T)
12212	CakSNP12212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9555319	(C/G)
12213	CakSNP12213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9577441	(G/A)
12214	CakSNP12214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9577424	(G/C)
12215	CakSNP12215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9593677	(C/T)
12216	CakSNP12216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9612558	(A/C)
12217	CakSNP12217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616335	(G/A)
12218	CakSNP12218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616347	(C/G)
12219	CakSNP12219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616357	(C/T)
12220	CakSNP12220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616363	(A/C)
12221	CakSNP12221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616367	(C/G)
12222	CakSNP12222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9616378	(G/A)
12223	CakSNP12223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9637456	(C/T)
12224	CakSNP12224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9639993	(C/A)
12225	CakSNP12225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9661050	(A/C)
12226	CakSNP12226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9671210	(T/C)
12227	CakSNP12227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9696620	(A/G)
12228	CakSNP12228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9738801	(T/C)
12229	CakSNP12229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9744436	(G/T)
12230	CakSNP12230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9890779	(A/C)
12231	CakSNP12231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9890777	(A/G)
12232	CakSNP12232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9893688	(A/G)
12233	CakSNP12233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9897698	(T/G)
12234	CakSNP12234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9898718	(A/T)
12235	CakSNP12235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9899348	(C/T)
12236	CakSNP12236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914751	(G/A)
12237	CakSNP12237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914764	(G/A)
12238	CakSNP12238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914770	(T/C)
12239	CakSNP12239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914785	(T/C)
12240	CakSNP12240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914794	(G/A)
12241	CakSNP12241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914737	(C/G)
12242	CakSNP12242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914745	(T/C)
12243	CakSNP12243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914856	(G/A)
12244	CakSNP12244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914845	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12245	CakSNP12245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914832	(C/T)
12246	CakSNP12246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9914802	(T/G)
12247	CakSNP12247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9932369	(A/G)
12248	CakSNP12248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9936661	(C/T)
12249	CakSNP12249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9936854	(A/G)
12250	CakSNP12250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	9938937	(T/C)
12251	CakSNP12251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10050020	(A/C)
12252	CakSNP12252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10049998	(T/A)
12253	CakSNP12253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10049996	(A/G)
12254	CakSNP12254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10089428	(T/C)
12255	CakSNP12255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10089539	(T/A)
12256	CakSNP12256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10106084	(C/G)
12257	CakSNP12257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10106065	(A/G)
12258	CakSNP12258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10106054	(G/C)
12259	CakSNP12259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10137842	(A/G)
12260	CakSNP12260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10137890	(A/G)
12261	CakSNP12261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10181630	(G/T)
12262	CakSNP12262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10208029	(T/C)
12263	CakSNP12263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10216813	(G/A)
12264	CakSNP12264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223046	(C/T)
12265	CakSNP12265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223068	(G/T)
12266	CakSNP12266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223069	(G/T)
12267	CakSNP12267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223071	(T/A)
12268	CakSNP12268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223074	(G/T)
12269	CakSNP12269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10223075	(C/T)
12270	CakSNP12270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10322726	(T/C)
12271	CakSNP12271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10340199	(T/C)
12272	CakSNP12272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10435983	(C/A)
12273	CakSNP12273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10465140	(G/A)
12274	CakSNP12274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10480401	(A/C)
12275	CakSNP12275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10480462	(A/G)
12276	CakSNP12276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10484200	(G/A)
12277	CakSNP12277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10484225	(C/A)
12278	CakSNP12278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10484196	(C/T)
12279	CakSNP12279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10485414	(C/T)
12280	CakSNP12280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10521423	(G/T)
12281	CakSNP12281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10521449	(C/A)
12282	CakSNP12282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10614159	(G/A)
12283	CakSNP12283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10658367	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12284	CakSNP12284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10658446	(G/T)
12285	CakSNP12285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10688189	(T/G)
12286	CakSNP12286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10688401	(A/G)
12287	CakSNP12287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10688464	(G/A)
12288	CakSNP12288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10688434	(T/C)
12289	CakSNP12289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10688499	(T/C)
12290	CakSNP12290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10703569	(A/T)
12291	CakSNP12291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10703612	(A/C)
12292	CakSNP12292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10703704	(G/A)
12293	CakSNP12293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10703679	(T/C)
12294	CakSNP12294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10712202	(T/C)
12295	CakSNP12295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10712231	(G/A)
12296	CakSNP12296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10758973	(A/T)
12297	CakSNP12297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10759142	(T/G)
12298	CakSNP12298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10775881	(C/T)
12299	CakSNP12299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10775875	(A/G)
12300	CakSNP12300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10775851	(C/T)
12301	CakSNP12301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10775860	(A/G)
12302	CakSNP12302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10780680	(C/G)
12303	CakSNP12303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10780682	(G/A)
12304	CakSNP12304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10780686	(T/C)
12305	CakSNP12305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10797204	(T/C)
12306	CakSNP12306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10812617	(G/T)
12307	CakSNP12307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10816523	(T/G)
12308	CakSNP12308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10816674	(C/T)
12309	CakSNP12309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10816662	(T/A)
12310	CakSNP12310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10859907	(G/A)
12311	CakSNP12311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10859842	(G/T)
12312	CakSNP12312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	10900910	(T/C)
12313	CakSNP12313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11086047	(G/A)
12314	CakSNP12314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11086071	(A/T)
12315	CakSNP12315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11105847	(C/G)
12316	CakSNP12316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11105961	(A/C)
12317	CakSNP12317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11192667	(G/A)
12318	CakSNP12318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11192712	(C/T)
12319	CakSNP12319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11192703	(A/C)
12320	CakSNP12320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11261924	(G/A)
12321	CakSNP12321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11339511	(C/T)
12322	CakSNP12322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11393795	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12323	CakSNP12323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11393986	(A/G)
12324	CakSNP12324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11473766	(A/G)
12325	CakSNP12325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11521694	(G/A)
12326	CakSNP12326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11527428	(G/A)
12327	CakSNP12327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11545846	(A/G)
12328	CakSNP12328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11568963	(T/A)
12329	CakSNP12329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11568945	(G/T)
12330	CakSNP12330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11590987	(A/C)
12331	CakSNP12331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11630509	(A/G)
12332	CakSNP12332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11630511	(C/T)
12333	CakSNP12333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11638885	(C/A)
12334	CakSNP12334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11639117	(C/G)
12335	CakSNP12335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11685818	(G/T)
12336	CakSNP12336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11685899	(A/G)
12337	CakSNP12337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11686238	(C/T)
12338	CakSNP12338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11725655	(G/A)
12339	CakSNP12339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11730926	(T/C)
12340	CakSNP12340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11730946	(A/C)
12341	CakSNP12341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11735177	(T/C)
12342	CakSNP12342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11735381	(T/C)
12343	CakSNP12343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11735368	(G/C)
12344	CakSNP12344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11736006	(C/A)
12345	CakSNP12345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11792042	(G/A)
12346	CakSNP12346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11792126	(T/A)
12347	CakSNP12347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11792136	(G/A)
12348	CakSNP12348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11803091	(T/G)
12349	CakSNP12349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11812410	(G/A)
12350	CakSNP12350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11812441	(A/C)
12351	CakSNP12351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11858425	(C/T)
12352	CakSNP12352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11886954	(A/G)
12353	CakSNP12353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11902897	(A/G)
12354	CakSNP12354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	11902985	(G/T)
12355	CakSNP12355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010432	(G/A)
12356	CakSNP12356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010471	(C/T)
12357	CakSNP12357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010504	(G/A)
12358	CakSNP12358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010499	(C/T)
12359	CakSNP12359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010496	(G/A)
12360	CakSNP12360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010494	(G/A)
12361	CakSNP12361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010491	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12362	CakSNP12362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010483	(C/T)
12363	CakSNP12363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010457	(C/T)
12364	CakSNP12364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010544	(G/A)
12365	CakSNP12365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12010489	(C/T)
12366	CakSNP12366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12030080	(A/C)
12367	CakSNP12367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12071764	(T/C)
12368	CakSNP12368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12071773	(A/T)
12369	CakSNP12369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12203726	(T/G)
12370	CakSNP12370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12203722	(T/C)
12371	CakSNP12371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12203706	(T/C)
12372	CakSNP12372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12203690	(C/T)
12373	CakSNP12373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12244234	(C/T)
12374	CakSNP12374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12244259	(G/A)
12375	CakSNP12375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12284289	(T/A)
12376	CakSNP12376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12284304	(A/G)
12377	CakSNP12377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12385785	(C/T)
12378	CakSNP12378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12390774	(G/A)
12379	CakSNP12379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12481556	(G/C)
12380	CakSNP12380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12481627	(A/C)
12381	CakSNP12381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12481715	(A/G)
12382	CakSNP12382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12481835	(C/T)
12383	CakSNP12383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12482851	(G/A)
12384	CakSNP12384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12482822	(A/G)
12385	CakSNP12385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12482953	(A/C)
12386	CakSNP12386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12483290	(A/C)
12387	CakSNP12387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12492075	(G/A)
12388	CakSNP12388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12492052	(C/T)
12389	CakSNP12389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12492046	(A/T)
12390	CakSNP12390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12616871	(T/C)
12391	CakSNP12391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12616870	(G/A)
12392	CakSNP12392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12616957	(C/T)
12393	CakSNP12393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12616937	(C/T)
12394	CakSNP12394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12623129	(T/C)
12395	CakSNP12395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12623128	(G/A)
12396	CakSNP12396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12623215	(C/T)
12397	CakSNP12397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12623195	(C/T)
12398	CakSNP12398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12628148	(A/G)
12399	CakSNP12399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12628211	(A/G)
12400	CakSNP12400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12628265	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12401	CakSNP12401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12629986	(A/G)
12402	CakSNP12402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12633590	(A/C)
12403	CakSNP12403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12633642	(T/G)
12404	CakSNP12404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12633643	(A/T)
12405	CakSNP12405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12681440	(T/C)
12406	CakSNP12406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12718820	(C/G)
12407	CakSNP12407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12718853	(G/A)
12408	CakSNP12408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12730600	(C/A)
12409	CakSNP12409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12737516	(T/C)
12410	CakSNP12410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12893655	(C/T)
12411	CakSNP12411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12895182	(A/G)
12412	CakSNP12412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12898640	(A/C)
12413	CakSNP12413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12898709	(T/A)
12414	CakSNP12414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12898707	(G/A)
12415	CakSNP12415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12899398	(T/C)
12416	CakSNP12416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	12913811	(T/A)
12417	CakSNP12417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13020788	(C/T)
12418	CakSNP12418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13020772	(A/G)
12419	CakSNP12419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13021047	(A/G)
12420	CakSNP12420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13021030	(A/G)
12421	CakSNP12421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13059710	(C/A)
12422	CakSNP12422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13059712	(C/A)
12423	CakSNP12423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13059717	(T/A)
12424	CakSNP12424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13059852	(G/A)
12425	CakSNP12425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13172542	(A/G)
12426	CakSNP12426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13220439	(G/A)
12427	CakSNP12427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13220418	(A/G)
12428	CakSNP12428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13262430	(C/T)
12429	CakSNP12429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281255	(T/C)
12430	CakSNP12430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281290	(A/G)
12431	CakSNP12431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281297	(C/G)
12432	CakSNP12432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281307	(C/T)
12433	CakSNP12433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281313	(T/C)
12434	CakSNP12434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281314	(G/A)
12435	CakSNP12435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281374	(G/T)
12436	CakSNP12436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13281351	(T/A)
12437	CakSNP12437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13288828	(G/A)
12438	CakSNP12438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13288813	(G/A)
12439	CakSNP12439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13288753	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12440	CakSNP12440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13319871	(A/G)
12441	CakSNP12441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13514074	(C/T)
12442	CakSNP12442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13605200	(A/C)
12443	CakSNP12443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13605191	(A/C)
12444	CakSNP12444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13605188	(A/C)
12445	CakSNP12445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13605578	(C/G)
12446	CakSNP12446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13667102	(C/T)
12447	CakSNP12447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13667103	(T/G)
12448	CakSNP12448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13730350	(A/C)
12449	CakSNP12449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13757159	(A/C)
12450	CakSNP12450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13776110	(A/C)
12451	CakSNP12451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13781815	(T/C)
12452	CakSNP12452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13819387	(C/T)
12453	CakSNP12453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13881348	(G/A)
12454	CakSNP12454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13893199	(T/C)
12455	CakSNP12455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13893344	(G/C)
12456	CakSNP12456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13893382	(G/T)
12457	CakSNP12457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13893383	(C/T)
12458	CakSNP12458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13903980	(T/G)
12459	CakSNP12459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13904163	(T/C)
12460	CakSNP12460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13913735	(A/G)
12461	CakSNP12461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13921214	(C/T)
12462	CakSNP12462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13921289	(T/C)
12463	CakSNP12463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13949259	(A/G)
12464	CakSNP12464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13949314	(G/A)
12465	CakSNP12465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13951874	(T/C)
12466	CakSNP12466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	13951856	(T/C)
12467	CakSNP12467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14030136	(C/T)
12468	CakSNP12468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14051146	(G/T)
12469	CakSNP12469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14179629	(T/G)
12470	CakSNP12470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14179733	(C/A)
12471	CakSNP12471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14212570	(C/A)
12472	CakSNP12472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14212597	(C/G)
12473	CakSNP12473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14233343	(T/G)
12474	CakSNP12474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14233368	(T/C)
12475	CakSNP12475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14281993	(G/T)
12476	CakSNP12476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14282088	(T/C)
12477	CakSNP12477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14320216	(T/C)
12478	CakSNP12478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14328655	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12479	CakSNP12479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14328649	(T/C)
12480	CakSNP12480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14329126	(C/T)
12481	CakSNP12481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14329175	(G/A)
12482	CakSNP12482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14329196	(G/A)
12483	CakSNP12483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14329217	(C/T)
12484	CakSNP12484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14329167	(A/T)
12485	CakSNP12485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14345827	(T/C)
12486	CakSNP12486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14345799	(T/A)
12487	CakSNP12487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14470549	(C/G)
12488	CakSNP12488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14518292	(A/T)
12489	CakSNP12489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14526546	(A/G)
12490	CakSNP12490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14526495	(T/C)
12491	CakSNP12491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14526493	(C/T)
12492	CakSNP12492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14526480	(T/C)
12493	CakSNP12493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14526478	(G/C)
12494	CakSNP12494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14558741	(C/A)
12495	CakSNP12495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14558785	(C/T)
12496	CakSNP12496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14559033	(G/A)
12497	CakSNP12497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14666535	(T/A)
12498	CakSNP12498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14668939	(G/A)
12499	CakSNP12499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14668922	(A/C)
12500	CakSNP12500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14685011	(G/C)
12501	CakSNP12501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14685017	(C/T)
12502	CakSNP12502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14685024	(A/G)
12503	CakSNP12503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14685034	(T/G)
12504	CakSNP12504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14712518	(C/A)
12505	CakSNP12505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14712568	(C/A)
12506	CakSNP12506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14712596	(T/C)
12507	CakSNP12507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14712601	(C/T)
12508	CakSNP12508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14748257	(T/A)
12509	CakSNP12509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14775135	(C/G)
12510	CakSNP12510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14782453	(A/G)
12511	CakSNP12511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14899028	(C/A)
12512	CakSNP12512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14899101	(T/C)
12513	CakSNP12513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14933294	(T/C)
12514	CakSNP12514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14933286	(G/A)
12515	CakSNP12515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14983364	(T/G)
12516	CakSNP12516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14997794	(G/A)
12517	CakSNP12517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	14997883	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12518	CakSNP12518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15028182	(T/G)
12519	CakSNP12519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15039606	(T/A)
12520	CakSNP12520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15069817	(G/A)
12521	CakSNP12521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15070091	(T/A)
12522	CakSNP12522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15119205	(T/C)
12523	CakSNP12523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15125638	(G/C)
12524	CakSNP12524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15125619	(T/G)
12525	CakSNP12525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15185603	(A/G)
12526	CakSNP12526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15201600	(A/G)
12527	CakSNP12527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15399421	(T/C)
12528	CakSNP12528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15441316	(A/T)
12529	CakSNP12529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15463183	(G/T)
12530	CakSNP12530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15463170	(G/A)
12531	CakSNP12531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15463169	(G/A)
12532	CakSNP12532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15530329	(G/T)
12533	CakSNP12533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15530316	(G/A)
12534	CakSNP12534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15530315	(G/A)
12535	CakSNP12535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15568060	(G/T)
12536	CakSNP12536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15568047	(G/A)
12537	CakSNP12537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15568046	(G/A)
12538	CakSNP12538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15622247	(G/A)
12539	CakSNP12539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15622245	(T/A)
12540	CakSNP12540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15762068	(A/T)
12541	CakSNP12541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15826588	(A/C)
12542	CakSNP12542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15856789	(A/G)
12543	CakSNP12543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15856955	(T/G)
12544	CakSNP12544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15860298	(T/C)
12545	CakSNP12545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15887790	(T/C)
12546	CakSNP12546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15966680	(A/G)
12547	CakSNP12547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	15966714	(G/A)
12548	CakSNP12548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16008746	(T/C)
12549	CakSNP12549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16008733	(A/G)
12550	CakSNP12550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16289811	(C/T)
12551	CakSNP12551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16289802	(C/T)
12552	CakSNP12552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16289794	(G/T)
12553	CakSNP12553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16324985	(T/C)
12554	CakSNP12554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16331943	(A/G)
12555	CakSNP12555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16381854	(T/C)
12556	CakSNP12556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16381891	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12557	CakSNP12557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16381934	(T/C)
12558	CakSNP12558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16466619	(T/C)
12559	CakSNP12559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16581695	(C/G)
12560	CakSNP12560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16626047	(T/G)
12561	CakSNP12561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16626703	(A/G)
12562	CakSNP12562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16665577	(A/G)
12563	CakSNP12563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16735437	(G/A)
12564	CakSNP12564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16735427	(A/G)
12565	CakSNP12565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16735423	(G/C)
12566	CakSNP12566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16816296	(G/C)
12567	CakSNP12567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16821274	(A/C)
12568	CakSNP12568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16829081	(C/A)
12569	CakSNP12569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16897329	(A/C)
12570	CakSNP12570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16897285	(T/C)
12571	CakSNP12571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	16936123	(C/G)
12572	CakSNP12572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017466	(C/G)
12573	CakSNP12573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017453	(A/G)
12574	CakSNP12574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017447	(A/G)
12575	CakSNP12575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017438	(A/T)
12576	CakSNP12576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017421	(G/A)
12577	CakSNP12577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17017418	(T/G)
12578	CakSNP12578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17038317	(G/A)
12579	CakSNP12579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17064968	(T/C)
12580	CakSNP12580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17088603	(A/G)
12581	CakSNP12581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17140664	(C/T)
12582	CakSNP12582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17178847	(A/C)
12583	CakSNP12583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17181160	(G/C)
12584	CakSNP12584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17228904	(T/G)
12585	CakSNP12585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17318174	(G/T)
12586	CakSNP12586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17539110	(G/A)
12587	CakSNP12587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17539136	(C/A)
12588	CakSNP12588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17539207	(G/A)
12589	CakSNP12589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17586154	(C/T)
12590	CakSNP12590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591798	(T/A)
12591	CakSNP12591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591781	(G/A)
12592	CakSNP12592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591843	(G/T)
12593	CakSNP12593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591974	(A/G)
12594	CakSNP12594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591971	(A/G)
12595	CakSNP12595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17591924	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12596	CakSNP12596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17592701	(C/A)
12597	CakSNP12597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17597348	(T/C)
12598	CakSNP12598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17597421	(A/G)
12599	CakSNP12599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17597420	(C/T)
12600	CakSNP12600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17624143	(G/A)
12601	CakSNP12601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17624225	(T/C)
12602	CakSNP12602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17766520	(T/C)
12603	CakSNP12603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17766952	(T/A)
12604	CakSNP12604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17766914	(C/A)
12605	CakSNP12605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17779414	(A/G)
12606	CakSNP12606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17779594	(T/C)
12607	CakSNP12607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17779700	(A/T)
12608	CakSNP12608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	17782558	(C/T)
12609	CakSNP12609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18011604	(G/C)
12610	CakSNP12610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18090289	(T/A)
12611	CakSNP12611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18265803	(A/C)
12612	CakSNP12612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18265791	(G/C)
12613	CakSNP12613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18265782	(G/C)
12614	CakSNP12614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18319049	(T/G)
12615	CakSNP12615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18319073	(T/G)
12616	CakSNP12616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18365218	(G/A)
12617	CakSNP12617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18430468	(C/T)
12618	CakSNP12618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18469372	(G/A)
12619	CakSNP12619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18469422	(C/T)
12620	CakSNP12620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18638565	(A/G)
12621	CakSNP12621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18642538	(A/G)
12622	CakSNP12622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18658563	(C/G)
12623	CakSNP12623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18696645	(G/A)
12624	CakSNP12624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18796748	(T/C)
12625	CakSNP12625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18796768	(A/G)
12626	CakSNP12626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	18910468	(A/G)
12627	CakSNP12627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19042183	(C/T)
12628	CakSNP12628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19189737	(A/C)
12629	CakSNP12629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19217501	(A/C)
12630	CakSNP12630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19217598	(G/C)
12631	CakSNP12631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19232818	(T/A)
12632	CakSNP12632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19290521	(G/A)
12633	CakSNP12633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19470527	(T/C)
12634	CakSNP12634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19472719	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12635	CakSNP12635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19472689	(T/A)
12636	CakSNP12636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19542901	(A/G)
12637	CakSNP12637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19549636	(C/T)
12638	CakSNP12638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19707812	(T/A)
12639	CakSNP12639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19707842	(G/A)
12640	CakSNP12640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19818789	(C/A)
12641	CakSNP12641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19818770	(T/C)
12642	CakSNP12642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19818759	(G/C)
12643	CakSNP12643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	19818757	(G/C)
12644	CakSNP12644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20031805	(T/C)
12645	CakSNP12645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20032205	(A/C)
12646	CakSNP12646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20082842	(T/C)
12647	CakSNP12647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20083040	(A/T)
12648	CakSNP12648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20099384	(C/T)
12649	CakSNP12649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20111019	(T/C)
12650	CakSNP12650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20111123	(T/C)
12651	CakSNP12651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20112897	(G/A)
12652	CakSNP12652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20135647	(C/G)
12653	CakSNP12653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20168870	(T/A)
12654	CakSNP12654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252133	(T/C)
12655	CakSNP12655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252134	(G/A)
12656	CakSNP12656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252135	(A/G)
12657	CakSNP12657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252144	(G/A)
12658	CakSNP12658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252145	(A/G)
12659	CakSNP12659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252181	(C/T)
12660	CakSNP12660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252192	(G/A)
12661	CakSNP12661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252201	(C/A)
12662	CakSNP12662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252212	(C/T)
12663	CakSNP12663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252214	(C/G)
12664	CakSNP12664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252236	(G/A)
12665	CakSNP12665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252234	(A/C)
12666	CakSNP12666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252233	(C/T)
12667	CakSNP12667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252221	(T/C)
12668	CakSNP12668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252209	(G/A)
12669	CakSNP12669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252309	(C/T)
12670	CakSNP12670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252334	(A/T)
12671	CakSNP12671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20252340	(A/G)
12672	CakSNP12672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20362883	(G/A)
12673	CakSNP12673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20362879	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12674	CakSNP12674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20362876	(G/A)
12675	CakSNP12675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20362838	(T/C)
12676	CakSNP12676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20414653	(G/A)
12677	CakSNP12677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20414703	(C/A)
12678	CakSNP12678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20486247	(T/G)
12679	CakSNP12679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20486280	(G/C)
12680	CakSNP12680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20496378	(G/A)
12681	CakSNP12681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20496303	(C/T)
12682	CakSNP12682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20496438	(C/T)
12683	CakSNP12683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20498552	(T/C)
12684	CakSNP12684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20498626	(T/G)
12685	CakSNP12685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20540780	(C/T)
12686	CakSNP12686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20540791	(G/A)
12687	CakSNP12687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20543119	(T/C)
12688	CakSNP12688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20550563	(G/A)
12689	CakSNP12689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20550575	(C/G)
12690	CakSNP12690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20552041	(G/A)
12691	CakSNP12691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20552053	(C/G)
12692	CakSNP12692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20556466	(G/C)
12693	CakSNP12693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20556576	(C/T)
12694	CakSNP12694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20563931	(G/A)
12695	CakSNP12695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20564024	(G/A)
12696	CakSNP12696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20564266	(G/A)
12697	CakSNP12697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20564269	(C/T)
12698	CakSNP12698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20564297	(A/G)
12699	CakSNP12699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20579963	(G/T)
12700	CakSNP12700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20579974	(A/T)
12701	CakSNP12701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20585997	(T/G)
12702	CakSNP12702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20605389	(G/A)
12703	CakSNP12703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20605384	(C/G)
12704	CakSNP12704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20605373	(C/A)
12705	CakSNP12705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20633040	(A/G)
12706	CakSNP12706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20637152	(G/A)
12707	CakSNP12707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20917747	(A/G)
12708	CakSNP12708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20917743	(T/G)
12709	CakSNP12709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	20917740	(A/G)
12710	CakSNP12710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21073385	(A/C)
12711	CakSNP12711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21081969	(A/G)
12712	CakSNP12712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21099782	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12713	CakSNP12713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21402075	(A/G)
12714	CakSNP12714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21402117	(A/C)
12715	CakSNP12715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21595525	(C/T)
12716	CakSNP12716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21595527	(T/G)
12717	CakSNP12717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21616285	(A/G)
12718	CakSNP12718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21616287	(T/G)
12719	CakSNP12719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21616294	(T/G)
12720	CakSNP12720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21626752	(T/C)
12721	CakSNP12721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21633103	(C/G)
12722	CakSNP12722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639234	(G/A)
12723	CakSNP12723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639238	(G/A)
12724	CakSNP12724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639244	(T/G)
12725	CakSNP12725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639251	(T/G)
12726	CakSNP12726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639254	(T/G)
12727	CakSNP12727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21639375	(T/G)
12728	CakSNP12728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21644279	(C/T)
12729	CakSNP12729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21644342	(G/A)
12730	CakSNP12730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21713147	(T/G)
12731	CakSNP12731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21744514	(T/C)
12732	CakSNP12732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	21918052	(G/C)
12733	CakSNP12733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22707297	(T/C)
12734	CakSNP12734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22721356	(A/C)
12735	CakSNP12735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22738152	(C/G)
12736	CakSNP12736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22738307	(G/C)
12737	CakSNP12737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22738482	(A/G)
12738	CakSNP12738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22808696	(A/G)
12739	CakSNP12739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22808695	(C/T)
12740	CakSNP12740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22808687	(C/T)
12741	CakSNP12741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22808717	(C/T)
12742	CakSNP12742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22808679	(A/C)
12743	CakSNP12743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22839776	(G/A)
12744	CakSNP12744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	22875652	(A/G)
12745	CakSNP12745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23087696	(T/C)
12746	CakSNP12746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23087732	(T/C)
12747	CakSNP12747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23439214	(A/G)
12748	CakSNP12748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23439225	(C/A)
12749	CakSNP12749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23574823	(C/T)
12750	CakSNP12750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23575629	(G/A)
12751	CakSNP12751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	23616050	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12752	CakSNP12752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24021690	(T/A)
12753	CakSNP12753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24181321	(G/A)
12754	CakSNP12754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24190633	(G/A)
12755	CakSNP12755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24190636	(G/A)
12756	CakSNP12756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24190645	(A/T)
12757	CakSNP12757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24190650	(G/A)
12758	CakSNP12758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24190671	(C/T)
12759	CakSNP12759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24245096	(C/T)
12760	CakSNP12760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	24415819	(T/A)
12761	CakSNP12761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25218407	(C/T)
12762	CakSNP12762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25362272	(T/C)
12763	CakSNP12763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25428518	(T/C)
12764	CakSNP12764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25428525	(C/G)
12765	CakSNP12765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25428548	(G/T)
12766	CakSNP12766	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25428566	(T/C)
12767	CakSNP12767	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25428660	(G/A)
12768	CakSNP12768	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25569665	(T/G)
12769	CakSNP12769	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25569657	(T/C)
12770	CakSNP12770	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	25740866	(G/T)
12771	CakSNP12771	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26070513	(G/T)
12772	CakSNP12772	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26070515	(A/G)
12773	CakSNP12773	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26094578	(T/C)
12774	CakSNP12774	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26094572	(C/T)
12775	CakSNP12775	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26094562	(G/T)
12776	CakSNP12776	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26094567	(G/A)
12777	CakSNP12777	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26094609	(C/T)
12778	CakSNP12778	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26137315	(T/C)
12779	CakSNP12779	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26146779	(C/T)
12780	CakSNP12780	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26226146	(G/C)
12781	CakSNP12781	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26487440	(A/C)
12782	CakSNP12782	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26692131	(T/G)
12783	CakSNP12783	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26692130	(C/T)
12784	CakSNP12784	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26692128	(A/C)
12785	CakSNP12785	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26692194	(C/A)
12786	CakSNP12786	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26692195	(G/T)
12787	CakSNP12787	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26694365	(G/A)
12788	CakSNP12788	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26694440	(C/A)
12789	CakSNP12789	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26694441	(G/A)
12790	CakSNP12790	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897878	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12791	CakSNP12791	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897910	(A/G)
12792	CakSNP12792	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897920	(A/G)
12793	CakSNP12793	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897923	(G/A)
12794	CakSNP12794	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897929	(T/C)
12795	CakSNP12795	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897940	(A/G)
12796	CakSNP12796	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26897948	(A/T)
12797	CakSNP12797	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26940917	(G/A)
12798	CakSNP12798	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26940967	(A/G)
12799	CakSNP12799	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26940979	(A/G)
12800	CakSNP12800	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	26940985	(T/G)
12801	CakSNP12801	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27050259	(C/G)
12802	CakSNP12802	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27176481	(C/A)
12803	CakSNP12803	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210919	(C/T)
12804	CakSNP12804	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210881	(C/T)
12805	CakSNP12805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210871	(C/A)
12806	CakSNP12806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210865	(T/C)
12807	CakSNP12807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210858	(C/T)
12808	CakSNP12808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210853	(A/G)
12809	CakSNP12809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210848	(A/T)
12810	CakSNP12810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210951	(T/C)
12811	CakSNP12811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210945	(C/T)
12812	CakSNP12812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210988	(C/T)
12813	CakSNP12813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210989	(C/T)
12814	CakSNP12814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27210992	(C/A)
12815	CakSNP12815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211004	(T/C)
12816	CakSNP12816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211036	(G/A)
12817	CakSNP12817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211051	(C/A)
12818	CakSNP12818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211084	(G/T)
12819	CakSNP12819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211073	(C/T)
12820	CakSNP12820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27211060	(C/T)
12821	CakSNP12821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27633960	(C/A)
12822	CakSNP12822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27735234	(A/G)
12823	CakSNP12823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27899782	(T/C)
12824	CakSNP12824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27899743	(G/A)
12825	CakSNP12825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	27971186	(T/G)
12826	CakSNP12826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	28676139	(T/C)
12827	CakSNP12827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	28931212	(A/C)
12828	CakSNP12828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	28931223	(C/A)
12829	CakSNP12829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29150927	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12830	CakSNP12830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29153994	(T/C)
12831	CakSNP12831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29154220	(C/A)
12832	CakSNP12832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29157286	(A/G)
12833	CakSNP12833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29168982	(G/A)
12834	CakSNP12834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29168980	(C/T)
12835	CakSNP12835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29190659	(T/G)
12836	CakSNP12836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29225385	(T/G)
12837	CakSNP12837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29225351	(T/G)
12838	CakSNP12838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29225348	(G/C)
12839	CakSNP12839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29229965	(A/G)
12840	CakSNP12840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313114	(G/T)
12841	CakSNP12841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313080	(T/C)
12842	CakSNP12842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313067	(G/T)
12843	CakSNP12843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313059	(G/A)
12844	CakSNP12844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313058	(T/C)
12845	CakSNP12845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313051	(T/C)
12846	CakSNP12846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29313257	(G/A)
12847	CakSNP12847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29434818	(T/C)
12848	CakSNP12848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29482556	(G/A)
12849	CakSNP12849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29484304	(G/A)
12850	CakSNP12850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29607943	(C/T)
12851	CakSNP12851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29613699	(C/T)
12852	CakSNP12852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29625884	(T/C)
12853	CakSNP12853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29705531	(T/G)
12854	CakSNP12854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29705499	(T/C)
12855	CakSNP12855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29796564	(G/T)
12856	CakSNP12856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29801148	(A/G)
12857	CakSNP12857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29801154	(T/C)
12858	CakSNP12858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29837035	(G/A)
12859	CakSNP12859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29838073	(C/T)
12860	CakSNP12860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29848248	(T/C)
12861	CakSNP12861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29848433	(C/T)
12862	CakSNP12862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29849509	(C/T)
12863	CakSNP12863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29849544	(A/G)
12864	CakSNP12864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29884719	(G/T)
12865	CakSNP12865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29884718	(C/A)
12866	CakSNP12866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	29925008	(G/A)
12867	CakSNP12867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30004767	(C/T)
12868	CakSNP12868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30004934	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12869	CakSNP12869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30026039	(T/G)
12870	CakSNP12870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30026017	(C/T)
12871	CakSNP12871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30029793	(A/C)
12872	CakSNP12872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30029820	(T/C)
12873	CakSNP12873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30060299	(C/A)
12874	CakSNP12874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30085847	(C/T)
12875	CakSNP12875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30085883	(T/G)
12876	CakSNP12876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30085906	(C/T)
12877	CakSNP12877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30085910	(T/A)
12878	CakSNP12878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30099003	(C/T)
12879	CakSNP12879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30107340	(A/G)
12880	CakSNP12880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30398855	(A/C)
12881	CakSNP12881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30403615	(A/G)
12882	CakSNP12882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30403618	(G/A)
12883	CakSNP12883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30403700	(C/T)
12884	CakSNP12884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30403692	(G/A)
12885	CakSNP12885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30403621	(G/T)
12886	CakSNP12886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30691324	(A/C)
12887	CakSNP12887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30691318	(A/C)
12888	CakSNP12888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30768315	(G/A)
12889	CakSNP12889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	30850950	(A/C)
12890	CakSNP12890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31190059	(G/A)
12891	CakSNP12891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31193786	(T/G)
12892	CakSNP12892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31314421	(T/A)
12893	CakSNP12893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31324279	(A/G)
12894	CakSNP12894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31401807	(T/C)
12895	CakSNP12895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31442425	(A/C)
12896	CakSNP12896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31612697	(T/A)
12897	CakSNP12897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31639701	(C/T)
12898	CakSNP12898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31830238	(A/G)
12899	CakSNP12899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31851096	(T/A)
12900	CakSNP12900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31873079	(G/T)
12901	CakSNP12901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	31996345	(A/C)
12902	CakSNP12902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017294	(G/A)
12903	CakSNP12903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017288	(G/T)
12904	CakSNP12904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017286	(T/G)
12905	CakSNP12905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017284	(C/T)
12906	CakSNP12906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017253	(G/A)
12907	CakSNP12907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017252	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12908	CakSNP12908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017238	(C/T)
12909	CakSNP12909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017228	(G/A)
12910	CakSNP12910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017221	(C/T)
12911	CakSNP12911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32017211	(C/A)
12912	CakSNP12912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32127288	(T/A)
12913	CakSNP12913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32283585	(T/G)
12914	CakSNP12914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309397	(A/T)
12915	CakSNP12915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309411	(G/T)
12916	CakSNP12916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309415	(C/T)
12917	CakSNP12917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309429	(C/T)
12918	CakSNP12918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309377	(C/T)
12919	CakSNP12919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32309376	(C/G)
12920	CakSNP12920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32399759	(C/T)
12921	CakSNP12921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32404932	(T/C)
12922	CakSNP12922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32451377	(A/C)
12923	CakSNP12923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32522201	(A/G)
12924	CakSNP12924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32522203	(A/G)
12925	CakSNP12925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32522207	(T/G)
12926	CakSNP12926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32522213	(A/G)
12927	CakSNP12927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32522230	(T/G)
12928	CakSNP12928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32557599	(G/A)
12929	CakSNP12929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32669570	(A/G)
12930	CakSNP12930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32754633	(T/G)
12931	CakSNP12931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32755647	(A/C)
12932	CakSNP12932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32755662	(G/T)
12933	CakSNP12933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32784903	(T/G)
12934	CakSNP12934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32799037	(A/G)
12935	CakSNP12935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32807457	(T/A)
12936	CakSNP12936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32807499	(A/G)
12937	CakSNP12937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32874847	(C/T)
12938	CakSNP12938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32874840	(C/T)
12939	CakSNP12939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32875799	(T/A)
12940	CakSNP12940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32942199	(A/G)
12941	CakSNP12941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32942951	(T/G)
12942	CakSNP12942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32989796	(T/A)
12943	CakSNP12943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32989838	(C/T)
12944	CakSNP12944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32989903	(A/G)
12945	CakSNP12945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	32989902	(C/A)
12946	CakSNP12946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33065611	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12947	CakSNP12947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33121674	(G/C)
12948	CakSNP12948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33121640	(C/A)
12949	CakSNP12949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33122473	(A/C)
12950	CakSNP12950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33182932	(G/A)
12951	CakSNP12951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33267485	(T/C)
12952	CakSNP12952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33267496	(T/A)
12953	CakSNP12953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33335978	(C/A)
12954	CakSNP12954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33364329	(C/T)
12955	CakSNP12955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33364354	(G/A)
12956	CakSNP12956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33378427	(C/T)
12957	CakSNP12957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33411746	(C/A)
12958	CakSNP12958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465828	(C/A)
12959	CakSNP12959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465818	(G/A)
12960	CakSNP12960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465805	(T/C)
12961	CakSNP12961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465802	(C/A)
12962	CakSNP12962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465800	(T/A)
12963	CakSNP12963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465781	(G/T)
12964	CakSNP12964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33465855	(A/C)
12965	CakSNP12965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33480940	(C/T)
12966	CakSNP12966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33573605	(C/T)
12967	CakSNP12967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33573655	(A/C)
12968	CakSNP12968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33619268	(G/C)
12969	CakSNP12969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33641799	(G/T)
12970	CakSNP12970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33641882	(A/T)
12971	CakSNP12971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33674454	(T/C)
12972	CakSNP12972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33744521	(C/G)
12973	CakSNP12973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33753917	(G/A)
12974	CakSNP12974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33761944	(G/A)
12975	CakSNP12975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33762053	(T/G)
12976	CakSNP12976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33821658	(C/T)
12977	CakSNP12977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33865463	(T/C)
12978	CakSNP12978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33865475	(G/A)
12979	CakSNP12979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33867334	(C/T)
12980	CakSNP12980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33867491	(C/T)
12981	CakSNP12981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33867674	(C/T)
12982	CakSNP12982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33869367	(G/A)
12983	CakSNP12983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33879559	(C/G)
12984	CakSNP12984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33910324	(C/A)
12985	CakSNP12985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33910870	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
12986	CakSNP12986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912719	(T/G)
12987	CakSNP12987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912766	(G/T)
12988	CakSNP12988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912866	(T/C)
12989	CakSNP12989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912899	(T/A)
12990	CakSNP12990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912902	(A/T)
12991	CakSNP12991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912913	(A/T)
12992	CakSNP12992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912916	(G/T)
12993	CakSNP12993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912921	(T/G)
12994	CakSNP12994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912950	(C/T)
12995	CakSNP12995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33912966	(T/C)
12996	CakSNP12996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33913094	(A/G)
12997	CakSNP12997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33913047	(C/T)
12998	CakSNP12998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	33913045	(G/T)
12999	CakSNP12999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34107603	(C/A)
13000	CakSNP13000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34152124	(G/C)
13001	CakSNP13001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34271486	(A/G)
13002	CakSNP13002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34277014	(G/T)
13003	CakSNP13003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34277010	(A/G)
13004	CakSNP13004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34279673	(G/A)
13005	CakSNP13005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34279725	(A/G)
13006	CakSNP13006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34279715	(A/C)
13007	CakSNP13007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34318860	(C/T)
13008	CakSNP13008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34318862	(A/G)
13009	CakSNP13009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34474614	(A/C)
13010	CakSNP13010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34801839	(A/T)
13011	CakSNP13011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34857693	(C/T)
13012	CakSNP13012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	34947743	(A/C)
13013	CakSNP13013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35016516	(G/C)
13014	CakSNP13014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35072425	(A/T)
13015	CakSNP13015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35072407	(G/A)
13016	CakSNP13016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35072461	(A/T)
13017	CakSNP13017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35074345	(T/A)
13018	CakSNP13018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35074348	(T/C)
13019	CakSNP13019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35074362	(T/C)
13020	CakSNP13020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35112785	(T/C)
13021	CakSNP13021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35114049	(C/T)
13022	CakSNP13022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35134809	(A/C)
13023	CakSNP13023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35134863	(T/C)
13024	CakSNP13024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35181619	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13025	CakSNP13025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35181661	(T/C)
13026	CakSNP13026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35181660	(G/A)
13027	CakSNP13027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35181635	(G/C)
13028	CakSNP13028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35227794	(A/C)
13029	CakSNP13029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35258029	(T/G)
13030	CakSNP13030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35263711	(A/T)
13031	CakSNP13031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35263712	(G/T)
13032	CakSNP13032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35263736	(C/G)
13033	CakSNP13033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35263758	(A/G)
13034	CakSNP13034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35274368	(A/G)
13035	CakSNP13035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35274859	(T/G)
13036	CakSNP13036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35274858	(G/A)
13037	CakSNP13037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35274828	(A/G)
13038	CakSNP13038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35279675	(A/G)
13039	CakSNP13039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35280189	(G/A)
13040	CakSNP13040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35280167	(A/G)
13041	CakSNP13041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35576427	(C/A)
13042	CakSNP13042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35619530	(G/A)
13043	CakSNP13043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35619487	(G/A)
13044	CakSNP13044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35619518	(G/C)
13045	CakSNP13045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35622168	(A/G)
13046	CakSNP13046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35637056	(T/C)
13047	CakSNP13047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35680423	(A/C)
13048	CakSNP13048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35799096	(A/C)
13049	CakSNP13049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35799083	(T/A)
13050	CakSNP13050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35799074	(G/C)
13051	CakSNP13051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35799073	(T/C)
13052	CakSNP13052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35807000	(A/G)
13053	CakSNP13053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35806999	(C/G)
13054	CakSNP13054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35806990	(A/T)
13055	CakSNP13055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35806977	(T/G)
13056	CakSNP13056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35911620	(T/G)
13057	CakSNP13057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35911617	(A/C)
13058	CakSNP13058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35911615	(C/T)
13059	CakSNP13059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35911612	(T/G)
13060	CakSNP13060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35911606	(T/C)
13061	CakSNP13061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35947529	(T/C)
13062	CakSNP13062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35947550	(C/T)
13063	CakSNP13063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35947551	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13064	CakSNP13064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35959805	(C/T)
13065	CakSNP13065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35959825	(G/A)
13066	CakSNP13066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35959878	(G/A)
13067	CakSNP13067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35959917	(C/T)
13068	CakSNP13068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	35959865	(T/C)
13069	CakSNP13069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36711954	(C/A)
13070	CakSNP13070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36715249	(T/C)
13071	CakSNP13071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36745439	(T/G)
13072	CakSNP13072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36916272	(T/G)
13073	CakSNP13073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36916273	(T/A)
13074	CakSNP13074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36998096	(T/C)
13075	CakSNP13075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	36998113	(C/T)
13076	CakSNP13076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37058979	(C/T)
13077	CakSNP13077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37187439	(A/G)
13078	CakSNP13078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37626729	(G/T)
13079	CakSNP13079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37626653	(A/C)
13080	CakSNP13080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37626687	(A/G)
13081	CakSNP13081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37626666	(C/T)
13082	CakSNP13082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703967	(G/A)
13083	CakSNP13083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703966	(C/T)
13084	CakSNP13084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703965	(C/T)
13085	CakSNP13085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703921	(G/T)
13086	CakSNP13086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703912	(G/A)
13087	CakSNP13087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703913	(C/G)
13088	CakSNP13088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37703936	(C/T)
13089	CakSNP13089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37857936	(G/T)
13090	CakSNP13090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37857928	(A/T)
13091	CakSNP13091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37857917	(G/A)
13092	CakSNP13092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	37857885	(C/T)
13093	CakSNP13093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38047374	(A/G)
13094	CakSNP13094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38047378	(C/A)
13095	CakSNP13095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38143361	(A/G)
13096	CakSNP13096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38143524	(T/A)
13097	CakSNP13097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38143452	(G/A)
13098	CakSNP13098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38460464	(G/A)
13099	CakSNP13099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38460452	(C/T)
13100	CakSNP13100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38460425	(G/A)
13101	CakSNP13101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	38460394	(C/A)
13102	CakSNP13102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39181880	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13103	CakSNP13103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39182564	(A/T)
13104	CakSNP13104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339510	(T/G)
13105	CakSNP13105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339509	(G/A)
13106	CakSNP13106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339508	(G/A)
13107	CakSNP13107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339503	(C/A)
13108	CakSNP13108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339502	(C/A)
13109	CakSNP13109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339501	(G/C)
13110	CakSNP13110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339500	(G/T)
13111	CakSNP13111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339499	(C/T)
13112	CakSNP13112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339498	(G/T)
13113	CakSNP13113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39339495	(G/T)
13114	CakSNP13114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39399280	(T/C)
13115	CakSNP13115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39680221	(A/C)
13116	CakSNP13116	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39680222	(G/A)
13117	CakSNP13117	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39768248	(T/C)
13118	CakSNP13118	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39944444	(T/C)
13119	CakSNP13119	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39944937	(T/C)
13120	CakSNP13120	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	39944889	(T/C)
13121	CakSNP13121	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092198	(G/A)
13122	CakSNP13122	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092181	(C/T)
13123	CakSNP13123	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092218	(A/T)
13124	CakSNP13124	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092213	(G/A)
13125	CakSNP13125	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092163	(T/C)
13126	CakSNP13126	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092155	(T/A)
13127	CakSNP13127	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092156	(C/A)
13128	CakSNP13128	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092168	(G/A)
13129	CakSNP13129	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092201	(G/A)
13130	CakSNP13130	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092203	(T/G)
13131	CakSNP13131	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092211	(C/T)
13132	CakSNP13132	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092214	(C/G)
13133	CakSNP13133	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092229	(C/A)
13134	CakSNP13134	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092237	(C/T)
13135	CakSNP13135	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092239	(G/A)
13136	CakSNP13136	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092250	(A/C)
13137	CakSNP13137	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092253	(C/T)
13138	CakSNP13138	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092256	(T/C)
13139	CakSNP13139	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40092267	(G/C)
13140	CakSNP13140	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40183449	(C/A)
13141	CakSNP13141	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40183452	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13142	CakSNP13142	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40241674	(A/C)
13143	CakSNP13143	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40242539	(A/G)
13144	CakSNP13144	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40242765	(A/G)
13145	CakSNP13145	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40243784	(G/A)
13146	CakSNP13146	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40323213	(C/A)
13147	CakSNP13147	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40323251	(T/A)
13148	CakSNP13148	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429548	(A/G)
13149	CakSNP13149	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429552	(C/T)
13150	CakSNP13150	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429564	(G/T)
13151	CakSNP13151	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429573	(G/T)
13152	CakSNP13152	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429629	(G/T)
13153	CakSNP13153	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429621	(G/T)
13154	CakSNP13154	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429604	(C/T)
13155	CakSNP13155	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429600	(C/T)
13156	CakSNP13156	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429596	(G/A)
13157	CakSNP13157	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40429567	(G/A)
13158	CakSNP13158	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40456574	(T/C)
13159	CakSNP13159	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40645278	(A/G)
13160	CakSNP13160	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40645276	(A/G)
13161	CakSNP13161	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40645208	(C/G)
13162	CakSNP13162	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889596	(A/C)
13163	CakSNP13163	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889598	(C/G)
13164	CakSNP13164	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889623	(G/A)
13165	CakSNP13165	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889632	(C/T)
13166	CakSNP13166	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889633	(G/A)
13167	CakSNP13167	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889640	(G/A)
13168	CakSNP13168	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889641	(C/T)
13169	CakSNP13169	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889643	(G/A)
13170	CakSNP13170	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889648	(T/A)
13171	CakSNP13171	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889649	(G/A)
13172	CakSNP13172	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889673	(C/A)
13173	CakSNP13173	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889670	(C/T)
13174	CakSNP13174	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889723	(C/G)
13175	CakSNP13175	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	40889684	(C/T)
13176	CakSNP13176	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41282883	(A/T)
13177	CakSNP13177	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41282961	(G/T)
13178	CakSNP13178	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41282960	(A/C)
13179	CakSNP13179	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41282957	(G/A)
13180	CakSNP13180	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41325886	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13181	CakSNP13181	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41339748	(C/A)
13182	CakSNP13182	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41349604	(T/C)
13183	CakSNP13183	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41387509	(A/C)
13184	CakSNP13184	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41387502	(A/C)
13185	CakSNP13185	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41387475	(A/C)
13186	CakSNP13186	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41657180	(G/T)
13187	CakSNP13187	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41657241	(T/C)
13188	CakSNP13188	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	41821410	(T/C)
13189	CakSNP13189	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42166004	(C/T)
13190	CakSNP13190	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42268628	(A/C)
13191	CakSNP13191	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42272939	(G/C)
13192	CakSNP13192	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42355002	(T/G)
13193	CakSNP13193	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42354958	(G/A)
13194	CakSNP13194	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42354938	(C/T)
13195	CakSNP13195	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42354999	(C/T)
13196	CakSNP13196	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42355011	(G/T)
13197	CakSNP13197	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42566717	(A/G)
13198	CakSNP13198	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42846882	(C/T)
13199	CakSNP13199	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	42851182	(T/C)
13200	CakSNP13200	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	43080817	(T/C)
13201	CakSNP13201	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	43118954	(A/C)
13202	CakSNP13202	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	43119266	(C/T)
13203	CakSNP13203	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	43210821	(A/T)
13204	CakSNP13204	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	43646117	(G/A)
13205	CakSNP13205	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44232239	(G/A)
13206	CakSNP13206	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44232204	(T/A)
13207	CakSNP13207	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44232221	(C/T)
13208	CakSNP13208	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44232266	(C/T)
13209	CakSNP13209	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44540553	(T/G)
13210	CakSNP13210	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44540595	(G/A)
13211	CakSNP13211	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44540596	(C/A)
13212	CakSNP13212	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44540629	(G/A)
13213	CakSNP13213	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44540616	(C/A)
13214	CakSNP13214	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44612651	(C/A)
13215	CakSNP13215	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44747668	(C/T)
13216	CakSNP13216	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44765450	(C/T)
13217	CakSNP13217	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44765467	(G/T)
13218	CakSNP13218	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44765522	(A/C)
13219	CakSNP13219	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44877324	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13220	CakSNP13220	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44926768	(C/T)
13221	CakSNP13221	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44926783	(C/A)
13222	CakSNP13222	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	44926815	(C/T)
13223	CakSNP13223	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	45147550	(A/G)
13224	CakSNP13224	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	45280659	(T/A)
13225	CakSNP13225	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	45289633	(T/C)
13226	CakSNP13226	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	45936581	(C/A)
13227	CakSNP13227	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46053109	(G/A)
13228	CakSNP13228	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46394656	(A/G)
13229	CakSNP13229	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46485934	(A/G)
13230	CakSNP13230	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747255	(A/C)
13231	CakSNP13231	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747283	(T/C)
13232	CakSNP13232	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747290	(G/T)
13233	CakSNP13233	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747295	(G/C)
13234	CakSNP13234	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747309	(C/T)
13235	CakSNP13235	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46747330	(G/A)
13236	CakSNP13236	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46823471	(T/G)
13237	CakSNP13237	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46823949	(G/T)
13238	CakSNP13238	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826036	(T/A)
13239	CakSNP13239	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826030	(T/C)
13240	CakSNP13240	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826028	(C/A)
13241	CakSNP13241	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826020	(G/A)
13242	CakSNP13242	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826015	(G/A)
13243	CakSNP13243	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46826008	(A/T)
13244	CakSNP13244	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46825997	(A/G)
13245	CakSNP13245	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46825992	(T/G)
13246	CakSNP13246	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46825985	(T/G)
13247	CakSNP13247	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46825957	(A/T)
13248	CakSNP13248	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	46825952	(A/G)
13249	CakSNP13249	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47127331	(T/G)
13250	CakSNP13250	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47127342	(T/G)
13251	CakSNP13251	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47127343	(C/T)
13252	CakSNP13252	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47159646	(A/C)
13253	CakSNP13253	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47335940	(G/A)
13254	CakSNP13254	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47335916	(C/G)
13255	CakSNP13255	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47524173	(A/C)
13256	CakSNP13256	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47554330	(C/G)
13257	CakSNP13257	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47694706	(A/C)
13258	CakSNP13258	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47839934	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13259	CakSNP13259	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47839952	(G/T)
13260	CakSNP13260	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47840034	(A/G)
13261	CakSNP13261	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	47840092	(A/C)
13262	CakSNP13262	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48102586	(G/T)
13263	CakSNP13263	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200865	(A/G)
13264	CakSNP13264	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200852	(G/A)
13265	CakSNP13265	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200822	(G/A)
13266	CakSNP13266	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200820	(A/C)
13267	CakSNP13267	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200823	(G/A)
13268	CakSNP13268	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48200848	(T/G)
13269	CakSNP13269	<i>Kabuli</i>	<i>Ca_Kabuli_Chr07</i>	48509506	(G/T)
13270	CakSNP13270	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	54095	(A/C)
13271	CakSNP13271	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	85693	(T/G)
13272	CakSNP13272	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	85697	(G/A)
13273	CakSNP13273	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	85707	(C/A)
13274	CakSNP13274	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	85710	(C/A)
13275	CakSNP13275	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	158986	(C/G)
13276	CakSNP13276	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	177457	(C/T)
13277	CakSNP13277	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	177436	(A/G)
13278	CakSNP13278	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	177405	(G/A)
13279	CakSNP13279	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	184444	(G/A)
13280	CakSNP13280	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	218813	(C/T)
13281	CakSNP13281	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	218828	(T/G)
13282	CakSNP13282	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	218957	(G/T)
13283	CakSNP13283	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	218928	(A/G)
13284	CakSNP13284	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	249654	(A/C)
13285	CakSNP13285	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	253786	(G/A)
13286	CakSNP13286	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	281622	(G/A)
13287	CakSNP13287	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	281608	(T/A)
13288	CakSNP13288	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	281630	(A/C)
13289	CakSNP13289	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	283147	(C/T)
13290	CakSNP13290	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	285779	(G/A)
13291	CakSNP13291	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	356295	(A/T)
13292	CakSNP13292	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	411967	(G/A)
13293	CakSNP13293	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	499819	(A/C)
13294	CakSNP13294	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	499890	(T/C)
13295	CakSNP13295	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	510824	(G/A)
13296	CakSNP13296	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	560477	(C/T)
13297	CakSNP13297	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	560451	(C/T)

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13298	CakSNP13298	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	560604	(T/G)
13299	CakSNP13299	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	560746	(A/G)
13300	CakSNP13300	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	566112	(A/G)
13301	CakSNP13301	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	566107	(C/T)
13302	CakSNP13302	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	566094	(A/G)
13303	CakSNP13303	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	596171	(C/T)
13304	CakSNP13304	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	614324	(G/A)
13305	CakSNP13305	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	614301	(C/A)
13306	CakSNP13306	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	619605	(T/C)
13307	CakSNP13307	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	634862	(C/T)
13308	CakSNP13308	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	634843	(G/A)
13309	CakSNP13309	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	634818	(G/T)
13310	CakSNP13310	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	634921	(C/G)
13311	CakSNP13311	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	649491	(A/C)
13312	CakSNP13312	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	660610	(T/G)
13313	CakSNP13313	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	666294	(G/A)
13314	CakSNP13314	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	666288	(A/T)
13315	CakSNP13315	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	666284	(T/A)
13316	CakSNP13316	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	666274	(T/G)
13317	CakSNP13317	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	672962	(C/T)
13318	CakSNP13318	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	673820	(A/G)
13319	CakSNP13319	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	674902	(T/G)
13320	CakSNP13320	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	701803	(C/T)
13321	CakSNP13321	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	701811	(T/G)
13322	CakSNP13322	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	701837	(G/A)
13323	CakSNP13323	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	706514	(T/C)
13324	CakSNP13324	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	706482	(G/C)
13325	CakSNP13325	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	706614	(C/T)
13326	CakSNP13326	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	706793	(A/G)
13327	CakSNP13327	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	706800	(G/A)
13328	CakSNP13328	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	709063	(T/C)
13329	CakSNP13329	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	709094	(T/C)
13330	CakSNP13330	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	709124	(A/T)
13331	CakSNP13331	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	714967	(A/G)
13332	CakSNP13332	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	714974	(G/A)
13333	CakSNP13333	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	777760	(A/T)
13334	CakSNP13334	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	777772	(G/A)
13335	CakSNP13335	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	777776	(C/G)
13336	CakSNP13336	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	779589	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13337	CakSNP13337	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	779611	(T/C)
13338	CakSNP13338	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	779640	(T/C)
13339	CakSNP13339	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	817321	(T/G)
13340	CakSNP13340	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	822302	(A/G)
13341	CakSNP13341	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	822942	(T/G)
13342	CakSNP13342	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	822976	(C/T)
13343	CakSNP13343	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	839924	(C/G)
13344	CakSNP13344	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	855332	(G/A)
13345	CakSNP13345	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	866741	(A/C)
13346	CakSNP13346	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	871666	(C/G)
13347	CakSNP13347	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	875236	(T/G)
13348	CakSNP13348	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	894184	(C/A)
13349	CakSNP13349	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	895883	(G/A)
13350	CakSNP13350	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	895947	(C/T)
13351	CakSNP13351	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	897417	(T/C)
13352	CakSNP13352	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898089	(C/T)
13353	CakSNP13353	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898150	(C/A)
13354	CakSNP13354	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898152	(A/G)
13355	CakSNP13355	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898173	(G/T)
13356	CakSNP13356	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898164	(G/T)
13357	CakSNP13357	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898226	(C/G)
13358	CakSNP13358	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	898251	(G/T)
13359	CakSNP13359	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	919690	(T/C)
13360	CakSNP13360	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	923820	(T/C)
13361	CakSNP13361	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	924720	(G/T)
13362	CakSNP13362	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	924681	(C/T)
13363	CakSNP13363	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	924715	(A/G)
13364	CakSNP13364	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	924732	(G/T)
13365	CakSNP13365	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	974170	(T/C)
13366	CakSNP13366	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	974159	(T/G)
13367	CakSNP13367	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1011333	(C/T)
13368	CakSNP13368	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1011320	(G/T)
13369	CakSNP13369	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1011327	(G/A)
13370	CakSNP13370	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1043905	(T/C)
13371	CakSNP13371	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1070728	(T/C)
13372	CakSNP13372	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1077334	(C/T)
13373	CakSNP13373	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1077430	(C/T)
13374	CakSNP13374	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1119568	(T/C)
13375	CakSNP13375	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1119781	(A/G)

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13376	CakSNP13376	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1119773	(T/G)
13377	CakSNP13377	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1119761	(G/T)
13378	CakSNP13378	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1138275	(G/A)
13379	CakSNP13379	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1138394	(A/G)
13380	CakSNP13380	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1155597	(C/T)
13381	CakSNP13381	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1155636	(T/C)
13382	CakSNP13382	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1155639	(T/A)
13383	CakSNP13383	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1155641	(C/G)
13384	CakSNP13384	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1174369	(A/G)
13385	CakSNP13385	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1193297	(C/T)
13386	CakSNP13386	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1194886	(G/A)
13387	CakSNP13387	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1194888	(A/G)
13388	CakSNP13388	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1241739	(C/T)
13389	CakSNP13389	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1262576	(T/C)
13390	CakSNP13390	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1262561	(C/T)
13391	CakSNP13391	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1262660	(C/A)
13392	CakSNP13392	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1262686	(T/G)
13393	CakSNP13393	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265537	(G/A)
13394	CakSNP13394	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265535	(A/G)
13395	CakSNP13395	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265509	(T/C)
13396	CakSNP13396	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265595	(G/T)
13397	CakSNP13397	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265579	(A/G)
13398	CakSNP13398	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1265577	(T/G)
13399	CakSNP13399	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1382266	(G/A)
13400	CakSNP13400	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1382433	(G/T)
13401	CakSNP13401	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1382454	(A/C)
13402	CakSNP13402	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1433436	(T/C)
13403	CakSNP13403	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1477523	(T/C)
13404	CakSNP13404	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1487202	(G/C)
13405	CakSNP13405	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1503621	(C/T)
13406	CakSNP13406	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1503595	(C/T)
13407	CakSNP13407	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1503588	(T/C)
13408	CakSNP13408	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1504859	(A/G)
13409	CakSNP13409	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1507709	(T/G)
13410	CakSNP13410	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1507782	(G/C)
13411	CakSNP13411	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1518285	(A/C)
13412	CakSNP13412	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1518297	(T/G)
13413	CakSNP13413	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1518355	(G/A)
13414	CakSNP13414	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1534461	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13415	CakSNP13415	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1544916	(C/T)
13416	CakSNP13416	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1552082	(T/A)
13417	CakSNP13417	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1552143	(A/G)
13418	CakSNP13418	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1554964	(T/C)
13419	CakSNP13419	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1555017	(C/A)
13420	CakSNP13420	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1555122	(A/G)
13421	CakSNP13421	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1557492	(C/T)
13422	CakSNP13422	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1573877	(G/T)
13423	CakSNP13423	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1612107	(G/A)
13424	CakSNP13424	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1612099	(A/G)
13425	CakSNP13425	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1612221	(C/G)
13426	CakSNP13426	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1667832	(T/C)
13427	CakSNP13427	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1675895	(C/T)
13428	CakSNP13428	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1675888	(C/T)
13429	CakSNP13429	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1708743	(C/T)
13430	CakSNP13430	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1708860	(T/C)
13431	CakSNP13431	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1718032	(C/T)
13432	CakSNP13432	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1723593	(G/A)
13433	CakSNP13433	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1743097	(G/A)
13434	CakSNP13434	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1747523	(T/A)
13435	CakSNP13435	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1747522	(T/C)
13436	CakSNP13436	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1782034	(C/G)
13437	CakSNP13437	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1794755	(C/A)
13438	CakSNP13438	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1794756	(G/T)
13439	CakSNP13439	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1794759	(C/T)
13440	CakSNP13440	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1794810	(G/A)
13441	CakSNP13441	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1817388	(T/C)
13442	CakSNP13442	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1830230	(A/T)
13443	CakSNP13443	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1830348	(T/C)
13444	CakSNP13444	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1846478	(A/G)
13445	CakSNP13445	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1893613	(T/C)
13446	CakSNP13446	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1932975	(T/C)
13447	CakSNP13447	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1932981	(T/C)
13448	CakSNP13448	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1932990	(A/C)
13449	CakSNP13449	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1932993	(C/T)
13450	CakSNP13450	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1932997	(G/T)
13451	CakSNP13451	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933026	(G/A)
13452	CakSNP13452	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933064	(G/C)
13453	CakSNP13453	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933053	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13454	CakSNP13454	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933052	(T/C)
13455	CakSNP13455	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933039	(G/T)
13456	CakSNP13456	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1933035	(T/A)
13457	CakSNP13457	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1958433	(G/C)
13458	CakSNP13458	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1958415	(T/G)
13459	CakSNP13459	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1978964	(G/C)
13460	CakSNP13460	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	1980189	(T/A)
13461	CakSNP13461	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2004509	(A/G)
13462	CakSNP13462	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2004577	(G/C)
13463	CakSNP13463	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2029405	(C/A)
13464	CakSNP13464	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2029384	(T/C)
13465	CakSNP13465	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2052263	(T/G)
13466	CakSNP13466	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2052286	(T/C)
13467	CakSNP13467	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2070694	(G/T)
13468	CakSNP13468	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2073807	(C/G)
13469	CakSNP13469	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2074619	(T/G)
13470	CakSNP13470	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2075296	(T/C)
13471	CakSNP13471	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2075290	(G/T)
13472	CakSNP13472	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2075278	(T/G)
13473	CakSNP13473	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2079723	(A/G)
13474	CakSNP13474	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2081228	(C/T)
13475	CakSNP13475	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2088903	(T/C)
13476	CakSNP13476	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2088892	(T/G)
13477	CakSNP13477	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2090852	(A/G)
13478	CakSNP13478	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2095607	(A/G)
13479	CakSNP13479	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2107370	(C/T)
13480	CakSNP13480	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2113823	(T/G)
13481	CakSNP13481	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2113816	(T/C)
13482	CakSNP13482	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2128450	(A/G)
13483	CakSNP13483	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2194927	(G/A)
13484	CakSNP13484	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2194898	(A/T)
13485	CakSNP13485	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2250195	(C/G)
13486	CakSNP13486	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2250148	(T/C)
13487	CakSNP13487	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2264108	(G/A)
13488	CakSNP13488	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2279413	(G/A)
13489	CakSNP13489	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2309552	(C/G)
13490	CakSNP13490	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2309549	(A/G)
13491	CakSNP13491	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2413731	(A/G)
13492	CakSNP13492	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2456352	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13493	CakSNP13493	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2482834	(A/G)
13494	CakSNP13494	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2482849	(T/C)
13495	CakSNP13495	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2483021	(G/A)
13496	CakSNP13496	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2488709	(A/G)
13497	CakSNP13497	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2488769	(C/G)
13498	CakSNP13498	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2488772	(A/G)
13499	CakSNP13499	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2515612	(A/G)
13500	CakSNP13500	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2524188	(A/G)
13501	CakSNP13501	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2524148	(A/G)
13502	CakSNP13502	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2539375	(G/A)
13503	CakSNP13503	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2540644	(G/A)
13504	CakSNP13504	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2540704	(A/T)
13505	CakSNP13505	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2543156	(A/G)
13506	CakSNP13506	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2545070	(T/A)
13507	CakSNP13507	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2604759	(C/T)
13508	CakSNP13508	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2605423	(A/T)
13509	CakSNP13509	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2605460	(C/T)
13510	CakSNP13510	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2621132	(T/A)
13511	CakSNP13511	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2622009	(G/T)
13512	CakSNP13512	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2621987	(C/G)
13513	CakSNP13513	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2621973	(T/G)
13514	CakSNP13514	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651439	(G/T)
13515	CakSNP13515	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651425	(C/T)
13516	CakSNP13516	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651422	(T/C)
13517	CakSNP13517	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651393	(G/T)
13518	CakSNP13518	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651373	(G/T)
13519	CakSNP13519	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2651921	(C/T)
13520	CakSNP13520	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2664625	(T/C)
13521	CakSNP13521	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2664711	(T/G)
13522	CakSNP13522	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2722673	(C/A)
13523	CakSNP13523	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2735849	(T/C)
13524	CakSNP13524	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2743075	(T/C)
13525	CakSNP13525	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2743088	(A/G)
13526	CakSNP13526	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2743109	(G/C)
13527	CakSNP13527	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2743139	(A/T)
13528	CakSNP13528	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2783576	(T/G)
13529	CakSNP13529	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2783655	(G/C)
13530	CakSNP13530	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2827822	(C/T)
13531	CakSNP13531	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2827984	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13532	CakSNP13532	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2838179	(T/A)
13533	CakSNP13533	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2871095	(G/A)
13534	CakSNP13534	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2871064	(G/A)
13535	CakSNP13535	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2888353	(G/T)
13536	CakSNP13536	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2888317	(G/A)
13537	CakSNP13537	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2943631	(G/T)
13538	CakSNP13538	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2947498	(A/G)
13539	CakSNP13539	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2974759	(G/C)
13540	CakSNP13540	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2976709	(C/T)
13541	CakSNP13541	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2977543	(T/C)
13542	CakSNP13542	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2977628	(C/T)
13543	CakSNP13543	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	2977603	(T/A)
13544	CakSNP13544	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3013928	(G/C)
13545	CakSNP13545	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3013917	(G/A)
13546	CakSNP13546	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3041947	(A/G)
13547	CakSNP13547	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3041981	(A/G)
13548	CakSNP13548	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3050452	(T/C)
13549	CakSNP13549	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3064477	(G/A)
13550	CakSNP13550	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3141617	(C/T)
13551	CakSNP13551	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3171324	(C/T)
13552	CakSNP13552	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3210879	(C/A)
13553	CakSNP13553	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3248044	(A/G)
13554	CakSNP13554	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3248104	(A/G)
13555	CakSNP13555	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3250707	(C/T)
13556	CakSNP13556	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3263822	(T/C)
13557	CakSNP13557	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3269124	(G/A)
13558	CakSNP13558	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3269118	(A/G)
13559	CakSNP13559	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3269088	(A/C)
13560	CakSNP13560	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3269085	(A/C)
13561	CakSNP13561	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3297410	(T/C)
13562	CakSNP13562	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3386165	(C/A)
13563	CakSNP13563	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3386181	(C/A)
13564	CakSNP13564	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3392929	(A/C)
13565	CakSNP13565	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3394796	(A/C)
13566	CakSNP13566	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3394833	(T/C)
13567	CakSNP13567	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3394931	(T/C)
13568	CakSNP13568	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3396820	(T/C)
13569	CakSNP13569	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3438274	(A/T)
13570	CakSNP13570	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3445568	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13571	CakSNP13571	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3448194	(C/T)
13572	CakSNP13572	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3460627	(G/A)
13573	CakSNP13573	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3499010	(G/A)
13574	CakSNP13574	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539690	(A/G)
13575	CakSNP13575	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539723	(G/C)
13576	CakSNP13576	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539745	(T/C)
13577	CakSNP13577	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539851	(T/C)
13578	CakSNP13578	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539838	(T/G)
13579	CakSNP13579	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3539832	(T/C)
13580	CakSNP13580	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3560271	(G/A)
13581	CakSNP13581	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3563692	(A/C)
13582	CakSNP13582	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3563825	(G/T)
13583	CakSNP13583	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3563824	(T/A)
13584	CakSNP13584	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3599091	(G/C)
13585	CakSNP13585	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3601517	(T/C)
13586	CakSNP13586	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3605513	(T/C)
13587	CakSNP13587	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3617810	(T/C)
13588	CakSNP13588	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3617757	(G/C)
13589	CakSNP13589	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3723085	(C/T)
13590	CakSNP13590	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3730369	(A/C)
13591	CakSNP13591	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3775945	(G/A)
13592	CakSNP13592	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3775960	(T/C)
13593	CakSNP13593	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3813978	(C/T)
13594	CakSNP13594	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3829425	(C/G)
13595	CakSNP13595	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3829576	(A/G)
13596	CakSNP13596	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3837237	(A/G)
13597	CakSNP13597	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3837306	(G/C)
13598	CakSNP13598	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3868511	(A/C)
13599	CakSNP13599	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3877130	(G/T)
13600	CakSNP13600	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3877176	(T/G)
13601	CakSNP13601	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3911930	(A/C)
13602	CakSNP13602	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3911876	(G/C)
13603	CakSNP13603	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3951767	(C/A)
13604	CakSNP13604	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3951768	(A/G)
13605	CakSNP13605	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	3954853	(T/A)
13606	CakSNP13606	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4042166	(A/C)
13607	CakSNP13607	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4042233	(G/A)
13608	CakSNP13608	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4042424	(G/A)
13609	CakSNP13609	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4052732	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13610	CakSNP13610	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4052702	(C/T)
13611	CakSNP13611	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4073528	(C/T)
13612	CakSNP13612	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4073603	(A/G)
13613	CakSNP13613	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4074135	(T/C)
13614	CakSNP13614	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4091946	(T/C)
13615	CakSNP13615	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4092348	(T/A)
13616	CakSNP13616	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4092350	(G/C)
13617	CakSNP13617	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4095131	(A/C)
13618	CakSNP13618	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4095119	(G/A)
13619	CakSNP13619	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4106580	(T/C)
13620	CakSNP13620	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4106583	(T/C)
13621	CakSNP13621	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4106644	(C/T)
13622	CakSNP13622	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4172342	(A/G)
13623	CakSNP13623	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4172368	(T/C)
13624	CakSNP13624	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4183744	(A/G)
13625	CakSNP13625	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4183733	(G/A)
13626	CakSNP13626	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4198214	(A/C)
13627	CakSNP13627	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4201285	(A/G)
13628	CakSNP13628	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4237620	(T/A)
13629	CakSNP13629	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4271620	(T/A)
13630	CakSNP13630	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4290690	(T/A)
13631	CakSNP13631	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4322058	(A/G)
13632	CakSNP13632	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4322202	(C/T)
13633	CakSNP13633	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4344459	(C/A)
13634	CakSNP13634	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4346552	(A/G)
13635	CakSNP13635	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4346749	(A/G)
13636	CakSNP13636	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4346811	(C/T)
13637	CakSNP13637	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4346827	(A/C)
13638	CakSNP13638	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4347535	(A/C)
13639	CakSNP13639	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4351751	(G/A)
13640	CakSNP13640	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4353397	(A/C)
13641	CakSNP13641	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4355388	(G/T)
13642	CakSNP13642	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4355531	(A/C)
13643	CakSNP13643	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4368163	(T/C)
13644	CakSNP13644	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4368184	(T/C)
13645	CakSNP13645	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4368213	(T/C)
13646	CakSNP13646	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4368403	(G/A)
13647	CakSNP13647	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4368463	(A/G)
13648	CakSNP13648	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4392707	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13649	CakSNP13649	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4392767	(T/G)
13650	CakSNP13650	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4392818	(C/A)
13651	CakSNP13651	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4406956	(C/G)
13652	CakSNP13652	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4421609	(A/G)
13653	CakSNP13653	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4421629	(T/A)
13654	CakSNP13654	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4472423	(A/T)
13655	CakSNP13655	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4483130	(T/C)
13656	CakSNP13656	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4483274	(T/C)
13657	CakSNP13657	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4484606	(T/A)
13658	CakSNP13658	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4507729	(G/T)
13659	CakSNP13659	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4510845	(C/T)
13660	CakSNP13660	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4510810	(A/G)
13661	CakSNP13661	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4512311	(T/C)
13662	CakSNP13662	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4512436	(G/A)
13663	CakSNP13663	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4512492	(T/G)
13664	CakSNP13664	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4524914	(C/T)
13665	CakSNP13665	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557334	(A/G)
13666	CakSNP13666	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557328	(T/C)
13667	CakSNP13667	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557401	(A/C)
13668	CakSNP13668	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557407	(A/C)
13669	CakSNP13669	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557440	(A/G)
13670	CakSNP13670	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4557488	(C/T)
13671	CakSNP13671	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4580363	(C/A)
13672	CakSNP13672	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4588869	(T/C)
13673	CakSNP13673	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4588915	(A/C)
13674	CakSNP13674	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4611094	(C/T)
13675	CakSNP13675	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4658502	(A/G)
13676	CakSNP13676	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4714566	(G/A)
13677	CakSNP13677	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4744388	(C/T)
13678	CakSNP13678	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4767567	(A/C)
13679	CakSNP13679	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4767586	(C/G)
13680	CakSNP13680	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4773205	(A/C)
13681	CakSNP13681	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4810954	(A/C)
13682	CakSNP13682	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4810968	(G/A)
13683	CakSNP13683	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4810986	(A/C)
13684	CakSNP13684	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4858262	(C/A)
13685	CakSNP13685	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4899964	(T/G)
13686	CakSNP13686	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4899983	(G/A)
13687	CakSNP13687	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4980949	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13688	CakSNP13688	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	4980916	(C/T)
13689	CakSNP13689	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5044456	(T/C)
13690	CakSNP13690	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5044423	(T/A)
13691	CakSNP13691	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5096194	(T/G)
13692	CakSNP13692	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5115451	(C/G)
13693	CakSNP13693	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5115498	(A/T)
13694	CakSNP13694	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5115512	(T/G)
13695	CakSNP13695	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5115522	(G/C)
13696	CakSNP13696	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5134706	(A/C)
13697	CakSNP13697	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5184227	(C/G)
13698	CakSNP13698	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5184276	(G/A)
13699	CakSNP13699	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5197004	(G/T)
13700	CakSNP13700	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5197254	(G/A)
13701	CakSNP13701	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5204956	(A/G)
13702	CakSNP13702	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5313792	(T/C)
13703	CakSNP13703	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5313782	(T/G)
13704	CakSNP13704	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5313774	(C/G)
13705	CakSNP13705	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5313770	(A/T)
13706	CakSNP13706	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5379556	(G/A)
13707	CakSNP13707	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5390415	(C/T)
13708	CakSNP13708	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5390602	(T/C)
13709	CakSNP13709	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5399503	(G/A)
13710	CakSNP13710	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5400188	(A/G)
13711	CakSNP13711	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5412501	(A/G)
13712	CakSNP13712	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5412489	(T/C)
13713	CakSNP13713	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5434223	(C/T)
13714	CakSNP13714	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5434225	(G/C)
13715	CakSNP13715	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5434232	(A/G)
13716	CakSNP13716	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5434238	(T/G)
13717	CakSNP13717	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5434242	(T/A)
13718	CakSNP13718	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5487769	(G/A)
13719	CakSNP13719	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5487830	(G/A)
13720	CakSNP13720	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5536418	(T/G)
13721	CakSNP13721	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5538696	(A/C)
13722	CakSNP13722	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5538695	(T/C)
13723	CakSNP13723	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5538683	(T/C)
13724	CakSNP13724	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5539044	(C/T)
13725	CakSNP13725	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5586106	(G/A)
13726	CakSNP13726	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5591654	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13727	CakSNP13727	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5591788	(G/C)
13728	CakSNP13728	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5650080	(C/G)
13729	CakSNP13729	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5712245	(T/A)
13730	CakSNP13730	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5811179	(G/C)
13731	CakSNP13731	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5819008	(G/A)
13732	CakSNP13732	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5840141	(G/A)
13733	CakSNP13733	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5870455	(A/G)
13734	CakSNP13734	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5870664	(T/C)
13735	CakSNP13735	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5870749	(C/T)
13736	CakSNP13736	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5871358	(G/C)
13737	CakSNP13737	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5871361	(T/G)
13738	CakSNP13738	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5871364	(T/C)
13739	CakSNP13739	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5871367	(T/A)
13740	CakSNP13740	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5871421	(A/G)
13741	CakSNP13741	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5910629	(C/G)
13742	CakSNP13742	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5927870	(G/T)
13743	CakSNP13743	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5935435	(A/C)
13744	CakSNP13744	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5963855	(T/A)
13745	CakSNP13745	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	5992761	(A/G)
13746	CakSNP13746	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6084594	(G/A)
13747	CakSNP13747	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6084591	(C/T)
13748	CakSNP13748	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6115961	(T/G)
13749	CakSNP13749	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6115965	(T/C)
13750	CakSNP13750	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6116096	(C/T)
13751	CakSNP13751	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6116097	(C/A)
13752	CakSNP13752	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6116101	(G/A)
13753	CakSNP13753	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6145326	(G/A)
13754	CakSNP13754	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6149097	(A/C)
13755	CakSNP13755	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6192944	(T/G)
13756	CakSNP13756	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6192986	(C/T)
13757	CakSNP13757	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6193078	(G/A)
13758	CakSNP13758	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6218250	(G/A)
13759	CakSNP13759	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6218275	(C/T)
13760	CakSNP13760	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6218298	(A/G)
13761	CakSNP13761	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6218299	(T/A)
13762	CakSNP13762	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6266432	(A/G)
13763	CakSNP13763	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6372236	(A/T)
13764	CakSNP13764	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6372230	(G/A)
13765	CakSNP13765	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	6372223	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13766	CakSNP13766	Kabuli	Ca_Kabuli_Chr08	6374794	(C/A)
13767	CakSNP13767	Kabuli	Ca_Kabuli_Chr08	6437758	(T/G)
13768	CakSNP13768	Kabuli	Ca_Kabuli_Chr08	6503723	(T/C)
13769	CakSNP13769	Kabuli	Ca_Kabuli_Chr08	6525633	(A/T)
13770	CakSNP13770	Kabuli	Ca_Kabuli_Chr08	6526612	(T/C)
13771	CakSNP13771	Kabuli	Ca_Kabuli_Chr08	6544248	(G/T)
13772	CakSNP13772	Kabuli	Ca_Kabuli_Chr08	6544278	(C/A)
13773	CakSNP13773	Kabuli	Ca_Kabuli_Chr08	6624006	(C/T)
13774	CakSNP13774	Kabuli	Ca_Kabuli_Chr08	6630663	(C/T)
13775	CakSNP13775	Kabuli	Ca_Kabuli_Chr08	6630661	(T/C)
13776	CakSNP13776	Kabuli	Ca_Kabuli_Chr08	6664509	(T/A)
13777	CakSNP13777	Kabuli	Ca_Kabuli_Chr08	6673855	(C/T)
13778	CakSNP13778	Kabuli	Ca_Kabuli_Chr08	6673891	(A/G)
13779	CakSNP13779	Kabuli	Ca_Kabuli_Chr08	6674024	(G/A)
13780	CakSNP13780	Kabuli	Ca_Kabuli_Chr08	6673956	(G/A)
13781	CakSNP13781	Kabuli	Ca_Kabuli_Chr08	6708869	(G/T)
13782	CakSNP13782	Kabuli	Ca_Kabuli_Chr08	6708945	(A/G)
13783	CakSNP13783	Kabuli	Ca_Kabuli_Chr08	6747091	(T/C)
13784	CakSNP13784	Kabuli	Ca_Kabuli_Chr08	6747995	(A/G)
13785	CakSNP13785	Kabuli	Ca_Kabuli_Chr08	6748136	(C/T)
13786	CakSNP13786	Kabuli	Ca_Kabuli_Chr08	6748294	(T/C)
13787	CakSNP13787	Kabuli	Ca_Kabuli_Chr08	6780592	(T/G)
13788	CakSNP13788	Kabuli	Ca_Kabuli_Chr08	6940139	(A/G)
13789	CakSNP13789	Kabuli	Ca_Kabuli_Chr08	6942651	(G/T)
13790	CakSNP13790	Kabuli	Ca_Kabuli_Chr08	6943710	(A/G)
13791	CakSNP13791	Kabuli	Ca_Kabuli_Chr08	6968036	(A/G)
13792	CakSNP13792	Kabuli	Ca_Kabuli_Chr08	6986090	(G/A)
13793	CakSNP13793	Kabuli	Ca_Kabuli_Chr08	6986130	(A/G)
13794	CakSNP13794	Kabuli	Ca_Kabuli_Chr08	6987609	(G/T)
13795	CakSNP13795	Kabuli	Ca_Kabuli_Chr08	6987615	(A/C)
13796	CakSNP13796	Kabuli	Ca_Kabuli_Chr08	6989342	(G/T)
13797	CakSNP13797	Kabuli	Ca_Kabuli_Chr08	6989433	(A/G)
13798	CakSNP13798	Kabuli	Ca_Kabuli_Chr08	7013049	(G/A)
13799	CakSNP13799	Kabuli	Ca_Kabuli_Chr08	7037715	(G/A)
13800	CakSNP13800	Kabuli	Ca_Kabuli_Chr08	7041901	(A/C)
13801	CakSNP13801	Kabuli	Ca_Kabuli_Chr08	7047509	(T/G)
13802	CakSNP13802	Kabuli	Ca_Kabuli_Chr08	7047469	(T/A)
13803	CakSNP13803	Kabuli	Ca_Kabuli_Chr08	7099455	(C/T)
13804	CakSNP13804	Kabuli	Ca_Kabuli_Chr08	7099569	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13805	CakSNP13805	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7099530	(C/A)
13806	CakSNP13806	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7099756	(A/G)
13807	CakSNP13807	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7162826	(T/G)
13808	CakSNP13808	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7162976	(A/G)
13809	CakSNP13809	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7174066	(C/T)
13810	CakSNP13810	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7175086	(A/C)
13811	CakSNP13811	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7191825	(A/G)
13812	CakSNP13812	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7193946	(C/T)
13813	CakSNP13813	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7193960	(A/T)
13814	CakSNP13814	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7295151	(T/C)
13815	CakSNP13815	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7295206	(A/G)
13816	CakSNP13816	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7295177	(G/T)
13817	CakSNP13817	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7307737	(G/T)
13818	CakSNP13818	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7307787	(A/T)
13819	CakSNP13819	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7357621	(A/G)
13820	CakSNP13820	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7357583	(T/C)
13821	CakSNP13821	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7503013	(T/A)
13822	CakSNP13822	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7503010	(T/C)
13823	CakSNP13823	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7506004	(A/G)
13824	CakSNP13824	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7519758	(C/A)
13825	CakSNP13825	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7519815	(G/A)
13826	CakSNP13826	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7526956	(A/G)
13827	CakSNP13827	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7563385	(C/G)
13828	CakSNP13828	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7563370	(T/C)
13829	CakSNP13829	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7563373	(T/A)
13830	CakSNP13830	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7566548	(T/C)
13831	CakSNP13831	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7614202	(A/C)
13832	CakSNP13832	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7628690	(T/A)
13833	CakSNP13833	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7665291	(T/C)
13834	CakSNP13834	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7665383	(G/T)
13835	CakSNP13835	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7694747	(A/G)
13836	CakSNP13836	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7695990	(A/T)
13837	CakSNP13837	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7695989	(T/A)
13838	CakSNP13838	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7697886	(G/C)
13839	CakSNP13839	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7726921	(G/A)
13840	CakSNP13840	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7726894	(G/T)
13841	CakSNP13841	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7726879	(A/G)
13842	CakSNP13842	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7728085	(T/G)
13843	CakSNP13843	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7728076	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13844	CakSNP13844	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7729693	(T/C)
13845	CakSNP13845	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7733508	(C/T)
13846	CakSNP13846	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7733573	(A/C)
13847	CakSNP13847	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7733574	(G/A)
13848	CakSNP13848	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7733670	(C/T)
13849	CakSNP13849	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7733647	(G/T)
13850	CakSNP13850	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7776466	(G/A)
13851	CakSNP13851	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7776592	(T/C)
13852	CakSNP13852	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7776897	(A/T)
13853	CakSNP13853	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7776934	(G/T)
13854	CakSNP13854	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7776970	(T/G)
13855	CakSNP13855	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7777023	(G/A)
13856	CakSNP13856	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7807065	(T/C)
13857	CakSNP13857	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	7978269	(C/T)
13858	CakSNP13858	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8029283	(T/A)
13859	CakSNP13859	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8039078	(A/T)
13860	CakSNP13860	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8059732	(A/G)
13861	CakSNP13861	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8066006	(C/A)
13862	CakSNP13862	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8066005	(A/G)
13863	CakSNP13863	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8104804	(G/T)
13864	CakSNP13864	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8104801	(T/C)
13865	CakSNP13865	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8104884	(T/A)
13866	CakSNP13866	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8104892	(C/T)
13867	CakSNP13867	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8106804	(A/G)
13868	CakSNP13868	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8106851	(G/A)
13869	CakSNP13869	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8114316	(A/C)
13870	CakSNP13870	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194206	(C/T)
13871	CakSNP13871	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194232	(C/A)
13872	CakSNP13872	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194234	(C/A)
13873	CakSNP13873	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194342	(T/C)
13874	CakSNP13874	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194464	(A/G)
13875	CakSNP13875	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8194436	(T/A)
13876	CakSNP13876	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8202726	(G/A)
13877	CakSNP13877	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8270488	(T/C)
13878	CakSNP13878	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8288041	(A/G)
13879	CakSNP13879	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8293716	(G/A)
13880	CakSNP13880	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8293704	(T/C)
13881	CakSNP13881	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8293693	(T/C)
13882	CakSNP13882	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8318110	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13883	CakSNP13883	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8389117	(C/T)
13884	CakSNP13884	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8458383	(G/A)
13885	CakSNP13885	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8533479	(G/T)
13886	CakSNP13886	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8533978	(G/A)
13887	CakSNP13887	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8560330	(C/A)
13888	CakSNP13888	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8560331	(C/G)
13889	CakSNP13889	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8560332	(A/C)
13890	CakSNP13890	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8560326	(G/T)
13891	CakSNP13891	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8661327	(T/C)
13892	CakSNP13892	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8670242	(T/G)
13893	CakSNP13893	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8772131	(C/G)
13894	CakSNP13894	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8772124	(G/A)
13895	CakSNP13895	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8853602	(G/A)
13896	CakSNP13896	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8853664	(A/G)
13897	CakSNP13897	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8856046	(C/T)
13898	CakSNP13898	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8856047	(C/T)
13899	CakSNP13899	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8856150	(A/G)
13900	CakSNP13900	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8856143	(G/A)
13901	CakSNP13901	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8864079	(C/T)
13902	CakSNP13902	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8864157	(G/A)
13903	CakSNP13903	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8888412	(A/G)
13904	CakSNP13904	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8888414	(G/T)
13905	CakSNP13905	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8888426	(T/C)
13906	CakSNP13906	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8888476	(A/C)
13907	CakSNP13907	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8904346	(C/A)
13908	CakSNP13908	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8904366	(A/G)
13909	CakSNP13909	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	8914018	(A/C)
13910	CakSNP13910	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9097585	(A/C)
13911	CakSNP13911	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9099798	(G/T)
13912	CakSNP13912	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9100111	(C/T)
13913	CakSNP13913	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9109896	(T/A)
13914	CakSNP13914	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9109907	(A/T)
13915	CakSNP13915	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9109920	(C/A)
13916	CakSNP13916	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9112178	(G/A)
13917	CakSNP13917	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9112172	(A/C)
13918	CakSNP13918	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9118582	(C/T)
13919	CakSNP13919	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9118667	(A/G)
13920	CakSNP13920	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9143840	(C/A)
13921	CakSNP13921	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9151722	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13922	CakSNP13922	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	9389347	(G/A)
13923	CakSNP13923	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10004481	(T/C)
13924	CakSNP13924	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10155981	(A/C)
13925	CakSNP13925	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10258892	(T/G)
13926	CakSNP13926	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10486601	(A/C)
13927	CakSNP13927	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10556124	(T/C)
13928	CakSNP13928	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10668422	(A/C)
13929	CakSNP13929	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10728369	(G/C)
13930	CakSNP13930	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10733404	(A/G)
13931	CakSNP13931	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10733503	(C/T)
13932	CakSNP13932	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10733661	(G/A)
13933	CakSNP13933	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10733747	(C/T)
13934	CakSNP13934	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10759078	(G/A)
13935	CakSNP13935	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10759060	(G/A)
13936	CakSNP13936	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10759056	(C/T)
13937	CakSNP13937	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10759102	(C/T)
13938	CakSNP13938	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10763656	(A/T)
13939	CakSNP13939	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	10953767	(C/T)
13940	CakSNP13940	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11015680	(G/T)
13941	CakSNP13941	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11015678	(C/G)
13942	CakSNP13942	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11015666	(G/C)
13943	CakSNP13943	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11066644	(C/T)
13944	CakSNP13944	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11066728	(G/A)
13945	CakSNP13945	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11087143	(A/G)
13946	CakSNP13946	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11087169	(C/T)
13947	CakSNP13947	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11087302	(A/T)
13948	CakSNP13948	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11087250	(T/C)
13949	CakSNP13949	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11087247	(T/C)
13950	CakSNP13950	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11186919	(C/G)
13951	CakSNP13951	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11187037	(T/C)
13952	CakSNP13952	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11186986	(A/C)
13953	CakSNP13953	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11186974	(A/C)
13954	CakSNP13954	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11231812	(A/G)
13955	CakSNP13955	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11240258	(C/A)
13956	CakSNP13956	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11243263	(A/C)
13957	CakSNP13957	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11243256	(A/C)
13958	CakSNP13958	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11266447	(G/A)
13959	CakSNP13959	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11310460	(G/A)
13960	CakSNP13960	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11310480	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
13961	CakSNP13961	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11332934	(C/T)
13962	CakSNP13962	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11332940	(T/C)
13963	CakSNP13963	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11333057	(C/G)
13964	CakSNP13964	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11334190	(A/T)
13965	CakSNP13965	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11334210	(C/T)
13966	CakSNP13966	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11349891	(T/A)
13967	CakSNP13967	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11349995	(A/G)
13968	CakSNP13968	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11403805	(G/A)
13969	CakSNP13969	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11403754	(G/A)
13970	CakSNP13970	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11562814	(A/C)
13971	CakSNP13971	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11562833	(A/G)
13972	CakSNP13972	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11631836	(C/T)
13973	CakSNP13973	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11656700	(G/T)
13974	CakSNP13974	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11656687	(A/G)
13975	CakSNP13975	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11656675	(T/C)
13976	CakSNP13976	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11656670	(A/G)
13977	CakSNP13977	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11696021	(G/C)
13978	CakSNP13978	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11735882	(A/C)
13979	CakSNP13979	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	11962280	(T/C)
13980	CakSNP13980	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	12875217	(A/G)
13981	CakSNP13981	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13248268	(T/C)
13982	CakSNP13982	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13745335	(A/G)
13983	CakSNP13983	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13840865	(A/C)
13984	CakSNP13984	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13860922	(C/G)
13985	CakSNP13985	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13864026	(T/G)
13986	CakSNP13986	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13864077	(T/C)
13987	CakSNP13987	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13997385	(C/T)
13988	CakSNP13988	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	13998102	(A/G)
13989	CakSNP13989	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14006709	(G/A)
13990	CakSNP13990	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14006694	(C/T)
13991	CakSNP13991	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14007431	(A/G)
13992	CakSNP13992	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14124588	(C/A)
13993	CakSNP13993	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14129040	(G/A)
13994	CakSNP13994	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14325980	(C/A)
13995	CakSNP13995	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14437006	(C/A)
13996	CakSNP13996	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14444424	(G/A)
13997	CakSNP13997	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14444438	(A/C)
13998	CakSNP13998	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14445205	(C/A)
13999	CakSNP13999	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14460426	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14000	CakSNP14000	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14528882	(T/G)
14001	CakSNP14001	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14528966	(C/G)
14002	CakSNP14002	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14613302	(G/A)
14003	CakSNP14003	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14640967	(A/C)
14004	CakSNP14004	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14715495	(T/G)
14005	CakSNP14005	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14753763	(T/C)
14006	CakSNP14006	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14753750	(T/C)
14007	CakSNP14007	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14754849	(A/T)
14008	CakSNP14008	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14759784	(G/T)
14009	CakSNP14009	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14760479	(C/G)
14010	CakSNP14010	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14760497	(G/A)
14011	CakSNP14011	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14760503	(A/T)
14012	CakSNP14012	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	14821416	(G/A)
14013	CakSNP14013	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15000109	(A/G)
14014	CakSNP14014	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15034465	(T/C)
14015	CakSNP14015	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15131175	(G/A)
14016	CakSNP14016	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15192125	(A/G)
14017	CakSNP14017	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15207944	(C/T)
14018	CakSNP14018	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15207976	(A/G)
14019	CakSNP14019	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15220986	(C/G)
14020	CakSNP14020	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15421764	(T/C)
14021	CakSNP14021	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15421744	(T/G)
14022	CakSNP14022	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15421719	(C/G)
14023	CakSNP14023	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15422163	(A/T)
14024	CakSNP14024	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15546669	(T/C)
14025	CakSNP14025	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15546671	(A/C)
14026	CakSNP14026	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15546696	(C/T)
14027	CakSNP14027	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15546710	(T/A)
14028	CakSNP14028	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15546758	(G/C)
14029	CakSNP14029	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15553251	(A/G)
14030	CakSNP14030	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15555771	(A/C)
14031	CakSNP14031	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15699220	(T/A)
14032	CakSNP14032	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15699180	(T/C)
14033	CakSNP14033	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15741863	(C/G)
14034	CakSNP14034	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15764739	(C/T)
14035	CakSNP14035	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15764748	(G/A)
14036	CakSNP14036	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15764823	(G/A)
14037	CakSNP14037	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15764808	(C/A)
14038	CakSNP14038	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15764874	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14039	CakSNP14039	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15857176	(G/A)
14040	CakSNP14040	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15857192	(A/G)
14041	CakSNP14041	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15857359	(T/G)
14042	CakSNP14042	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15863509	(T/C)
14043	CakSNP14043	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15873071	(A/C)
14044	CakSNP14044	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	15873133	(A/G)
14045	CakSNP14045	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16004976	(G/C)
14046	CakSNP14046	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16005046	(C/T)
14047	CakSNP14047	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16005078	(A/G)
14048	CakSNP14048	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16005235	(A/G)
14049	CakSNP14049	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16005253	(G/A)
14050	CakSNP14050	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16020239	(C/A)
14051	CakSNP14051	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16020277	(T/G)
14052	CakSNP14052	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16020323	(G/T)
14053	CakSNP14053	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16020305	(G/A)
14054	CakSNP14054	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16022432	(C/T)
14055	CakSNP14055	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16027974	(A/T)
14056	CakSNP14056	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16028064	(G/T)
14057	CakSNP14057	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16028062	(G/A)
14058	CakSNP14058	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16028040	(A/G)
14059	CakSNP14059	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16033779	(T/G)
14060	CakSNP14060	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16076161	(C/G)
14061	CakSNP14061	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16076168	(A/G)
14062	CakSNP14062	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102413	(C/T)
14063	CakSNP14063	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102395	(G/A)
14064	CakSNP14064	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102363	(T/C)
14065	CakSNP14065	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102362	(G/T)
14066	CakSNP14066	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102348	(A/T)
14067	CakSNP14067	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102343	(C/T)
14068	CakSNP14068	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102335	(A/T)
14069	CakSNP14069	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16102414	(G/T)
14070	CakSNP14070	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16144279	(T/A)
14071	CakSNP14071	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16145275	(A/G)
14072	CakSNP14072	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16145419	(A/G)
14073	CakSNP14073	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16145411	(C/G)
14074	CakSNP14074	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16145370	(C/A)
14075	CakSNP14075	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16157015	(C/T)
14076	CakSNP14076	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16157134	(A/C)
14077	CakSNP14077	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16158594	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14078	CakSNP14078	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16264310	(G/T)
14079	CakSNP14079	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16268878	(T/C)
14080	CakSNP14080	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16278758	(T/C)
14081	CakSNP14081	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16283660	(C/T)
14082	CakSNP14082	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16283661	(A/G)
14083	CakSNP14083	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16283722	(A/G)
14084	CakSNP14084	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16283738	(G/C)
14085	CakSNP14085	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16283859	(T/C)
14086	CakSNP14086	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16284269	(G/A)
14087	CakSNP14087	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16284279	(A/C)
14088	CakSNP14088	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16284306	(C/T)
14089	CakSNP14089	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16309857	(G/T)
14090	CakSNP14090	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16321524	(A/G)
14091	CakSNP14091	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16321545	(G/T)
14092	CakSNP14092	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16366490	(G/A)
14093	CakSNP14093	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16381928	(T/G)
14094	CakSNP14094	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16411550	(A/G)
14095	CakSNP14095	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16412672	(T/C)
14096	CakSNP14096	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421407	(G/A)
14097	CakSNP14097	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421441	(C/A)
14098	CakSNP14098	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421442	(C/G)
14099	CakSNP14099	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421545	(G/T)
14100	CakSNP14100	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421497	(C/T)
14101	CakSNP14101	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16421595	(A/C)
14102	CakSNP14102	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16432907	(T/G)
14103	CakSNP14103	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16472919	(T/A)
14104	CakSNP14104	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16472932	(C/T)
14105	CakSNP14105	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16472933	(G/C)
14106	CakSNP14106	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16472999	(A/C)
14107	CakSNP14107	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473047	(C/G)
14108	CakSNP14108	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473139	(C/T)
14109	CakSNP14109	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473154	(T/A)
14110	CakSNP14110	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473157	(C/T)
14111	CakSNP14111	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473311	(A/G)
14112	CakSNP14112	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473290	(A/G)
14113	CakSNP14113	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473920	(A/G)
14114	CakSNP14114	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473939	(A/G)
14115	CakSNP14115	<i>Kabuli</i>	<i>Ca_Kabuli_Chr08</i>	16473987	(C/T)
14116	CakSNP14116	<i>Kabuli</i>	<i>Ca_Kabuli_C11058086</i>	341	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14117	CakSNP14117	<i>Kabuli</i>	<i>Ca_Kabuli_C11058274</i>	143	(T/A)
14118	CakSNP14118	<i>Kabuli</i>	<i>Ca_Kabuli_C11062332</i>	412	(G/A)
14119	CakSNP14119	<i>Kabuli</i>	<i>Ca_Kabuli_C11062436</i>	381	(T/A)
14120	CakSNP14120	<i>Kabuli</i>	<i>Ca_Kabuli_C11062546</i>	677	(G/T)
14121	CakSNP14121	<i>Kabuli</i>	<i>Ca_Kabuli_C11076702</i>	989	(G/A)
14122	CakSNP14122	<i>Kabuli</i>	<i>Ca_Kabuli_C11078452</i>	885	(G/A)
14123	CakSNP14123	<i>Kabuli</i>	<i>Ca_Kabuli_C11079766</i>	1418	(A/C)
14124	CakSNP14124	<i>Kabuli</i>	<i>Ca_Kabuli_C11079766</i>	1422	(G/C)
14125	CakSNP14125	<i>Kabuli</i>	<i>Ca_Kabuli_C11079766</i>	1412	(A/T)
14126	CakSNP14126	<i>Kabuli</i>	<i>Ca_Kabuli_C11080716</i>	1568	(A/C)
14127	CakSNP14127	<i>Kabuli</i>	<i>Ca_Kabuli_C11084624</i>	656	(G/A)
14128	CakSNP14128	<i>Kabuli</i>	<i>Ca_Kabuli_C11084992</i>	516	(A/G)
14129	CakSNP14129	<i>Kabuli</i>	<i>Ca_Kabuli_C11084992</i>	537	(G/T)
14130	CakSNP14130	<i>Kabuli</i>	<i>Ca_Kabuli_C11086066</i>	641	(A/C)
14131	CakSNP14131	<i>Kabuli</i>	<i>Ca_Kabuli_C11086066</i>	624	(A/C)
14132	CakSNP14132	<i>Kabuli</i>	<i>Ca_Kabuli_C11088694</i>	514	(G/C)
14133	CakSNP14133	<i>Kabuli</i>	<i>Ca_Kabuli_C11119498</i>	682	(T/A)
14134	CakSNP14134	<i>Kabuli</i>	<i>Ca_Kabuli_C11119498</i>	686	(C/A)
14135	CakSNP14135	<i>Kabuli</i>	<i>Ca_Kabuli_C11119498</i>	689	(C/A)
14136	CakSNP14136	<i>Kabuli</i>	<i>Ca_Kabuli_C11119498</i>	693	(G/A)
14137	CakSNP14137	<i>Kabuli</i>	<i>Ca_Kabuli_C11132768</i>	2177	(G/A)
14138	CakSNP14138	<i>Kabuli</i>	<i>Ca_Kabuli_C11142214</i>	2902	(G/T)
14139	CakSNP14139	<i>Kabuli</i>	<i>Ca_Kabuli_C11142252</i>	3299	(A/C)
14140	CakSNP14140	<i>Kabuli</i>	<i>Ca_Kabuli_C11143608</i>	1389	(A/T)
14141	CakSNP14141	<i>Kabuli</i>	<i>Ca_Kabuli_C11147634</i>	3004	(C/A)
14142	CakSNP14142	<i>Kabuli</i>	<i>Ca_Kabuli_C11147634</i>	3028	(C/T)
14143	CakSNP14143	<i>Kabuli</i>	<i>Ca_Kabuli_C11149092</i>	2181	(A/G)
14144	CakSNP14144	<i>Kabuli</i>	<i>Ca_Kabuli_C11149092</i>	2281	(T/C)
14145	CakSNP14145	<i>Kabuli</i>	<i>Ca_Kabuli_C11149092</i>	2474	(T/A)
14146	CakSNP14146	<i>Kabuli</i>	<i>Ca_Kabuli_C11149092</i>	3190	(T/G)
14147	CakSNP14147	<i>Kabuli</i>	<i>Ca_Kabuli_C11149092</i>	3284	(C/G)
14148	CakSNP14148	<i>Kabuli</i>	<i>Ca_Kabuli_C11153606</i>	4275	(C/T)
14149	CakSNP14149	<i>Kabuli</i>	<i>Ca_Kabuli_C11157320</i>	766	(C/G)
14150	CakSNP14150	<i>Kabuli</i>	<i>Ca_Kabuli_C11157320</i>	2169	(T/A)
14151	CakSNP14151	<i>Kabuli</i>	<i>Ca_Kabuli_C11157320</i>	2152	(G/C)
14152	CakSNP14152	<i>Kabuli</i>	<i>Ca_Kabuli_C11158050</i>	2186	(A/T)
14153	CakSNP14153	<i>Kabuli</i>	<i>Ca_Kabuli_C11160518</i>	4522	(A/G)
14154	CakSNP14154	<i>Kabuli</i>	<i>Ca_Kabuli_C11162020</i>	3914	(C/T)
14155	CakSNP14155	<i>Kabuli</i>	<i>Ca_Kabuli_C11162020</i>	3926	(T/G)

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14156	CakSNP14156	<i>Kabuli</i>	<i>Ca_Kabuli_C11162020</i>	5515	(G/A)
14157	CakSNP14157	<i>Kabuli</i>	<i>Ca_Kabuli_C11164954</i>	5778	(T/A)
14158	CakSNP14158	<i>Kabuli</i>	<i>Ca_Kabuli_C11164954</i>	5784	(G/A)
14159	CakSNP14159	<i>Kabuli</i>	<i>Ca_Kabuli_C11165474</i>	6285	(T/A)
14160	CakSNP14160	<i>Kabuli</i>	<i>Ca_Kabuli_C11165890</i>	154	(C/G)
14161	CakSNP14161	<i>Kabuli</i>	<i>Ca_Kabuli_C11174756</i>	8931	(C/G)
14162	CakSNP14162	<i>Kabuli</i>	<i>Ca_Kabuli_C11175430</i>	987	(A/G)
14163	CakSNP14163	<i>Kabuli</i>	<i>Ca_Kabuli_C11175430</i>	3929	(T/G)
14164	CakSNP14164	<i>Kabuli</i>	<i>Ca_Kabuli_C11175430</i>	3936	(G/T)
14165	CakSNP14165	<i>Kabuli</i>	<i>Ca_Kabuli_C11175430</i>	3952	(T/C)
14166	CakSNP14166	<i>Kabuli</i>	<i>Ca_Kabuli_C11176688</i>	4197	(G/C)
14167	CakSNP14167	<i>Kabuli</i>	<i>Ca_Kabuli_C11177172</i>	2529	(T/G)
14168	CakSNP14168	<i>Kabuli</i>	<i>Ca_Kabuli_C11177172</i>	2515	(T/A)
14169	CakSNP14169	<i>Kabuli</i>	<i>Ca_Kabuli_C11177172</i>	5324	(G/A)
14170	CakSNP14170	<i>Kabuli</i>	<i>Ca_Kabuli_C11177748</i>	1264	(T/A)
14171	CakSNP14171	<i>Kabuli</i>	<i>Ca_Kabuli_C11178532</i>	2107	(A/T)
14172	CakSNP14172	<i>Kabuli</i>	<i>Ca_Kabuli_C11178532</i>	3524	(A/G)
14173	CakSNP14173	<i>Kabuli</i>	<i>Ca_Kabuli_C11181782</i>	6215	(A/G)
14174	CakSNP14174	<i>Kabuli</i>	<i>Ca_Kabuli_C11181840</i>	19192	(A/G)
14175	CakSNP14175	<i>Kabuli</i>	<i>Ca_Kabuli_C11181840</i>	19202	(T/C)
14176	CakSNP14176	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	40651	(T/A)
14177	CakSNP14177	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	382579	(C/T)
14178	CakSNP14178	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	436923	(T/C)
14179	CakSNP14179	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	644893	(A/C)
14180	CakSNP14180	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	667620	(A/G)
14181	CakSNP14181	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	667713	(G/A)
14182	CakSNP14182	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674495	(A/G)
14183	CakSNP14183	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674823	(G/A)
14184	CakSNP14184	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674826	(C/T)
14185	CakSNP14185	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674844	(T/C)
14186	CakSNP14186	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674847	(T/G)
14187	CakSNP14187	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674862	(G/A)
14188	CakSNP14188	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674865	(T/C)
14189	CakSNP14189	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674871	(A/G)
14190	CakSNP14190	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674881	(G/A)
14191	CakSNP14191	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674981	(G/A)
14192	CakSNP14192	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1006</i>	674946	(G/A)
14193	CakSNP14193	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1010</i>	90092	(G/A)
14194	CakSNP14194	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56140	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14195	CakSNP14195	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56116	(C/T)
14196	CakSNP14196	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56114	(C/A)
14197	CakSNP14197	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56075	(T/A)
14198	CakSNP14198	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56074	(C/T)
14199	CakSNP14199	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1013</i>	56069	(C/T)
14200	CakSNP14200	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	416	(C/T)
14201	CakSNP14201	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	410	(A/C)
14202	CakSNP14202	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	378	(A/T)
14203	CakSNP14203	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	354	(T/A)
14204	CakSNP14204	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	397	(G/A)
14205	CakSNP14205	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10186</i>	573	(T/G)
14206	CakSNP14206	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold102</i>	82102	(T/C)
14207	CakSNP14207	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold102</i>	82107	(C/A)
14208	CakSNP14208	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1027</i>	256612	(A/C)
14209	CakSNP14209	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1034</i>	73684	(G/A)
14210	CakSNP14210	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1034</i>	73695	(G/T)
14211	CakSNP14211	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10420</i>	19974	(A/G)
14212	CakSNP14212	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10420</i>	31513	(C/T)
14213	CakSNP14213	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10420</i>	31563	(A/G)
14214	CakSNP14214	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10420</i>	31817	(C/T)
14215	CakSNP14215	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold10420</i>	40193	(G/T)
14216	CakSNP14216	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1043</i>	16328	(A/T)
14217	CakSNP14217	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1043</i>	16331	(G/T)
14218	CakSNP14218	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1043</i>	16333	(A/T)
14219	CakSNP14219	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1043</i>	16313	(A/G)
14220	CakSNP14220	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1047</i>	235352	(T/C)
14221	CakSNP14221	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1047</i>	577874	(T/G)
14222	CakSNP14222	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	3398	(G/A)
14223	CakSNP14223	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	3415	(C/T)
14224	CakSNP14224	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	3463	(C/T)
14225	CakSNP14225	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	14057	(C/A)
14226	CakSNP14226	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	126986	(T/G)
14227	CakSNP14227	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	127022	(G/A)
14228	CakSNP14228	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	127023	(G/T)
14229	CakSNP14229	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	127054	(C/T)
14230	CakSNP14230	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1050</i>	128763	(A/G)
14231	CakSNP14231	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1055</i>	344459	(G/A)
14232	CakSNP14232	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1055</i>	344443	(G/A)
14233	CakSNP14233	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1055</i>	344399	(C/T)

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14234	CakSNP14234	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1060</i>	3278	(A/C)
14235	CakSNP14235	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1060</i>	3310	(G/T)
14236	CakSNP14236	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1060</i>	394867	(C/T)
14237	CakSNP14237	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1060</i>	395029	(C/T)
14238	CakSNP14238	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1060</i>	395042	(A/G)
14239	CakSNP14239	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1061</i>	63613	(A/G)
14240	CakSNP14240	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1061</i>	63620	(C/T)
14241	CakSNP14241	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1065</i>	142678	(A/C)
14242	CakSNP14242	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1067</i>	38623	(C/A)
14243	CakSNP14243	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1081</i>	768	(A/C)
14244	CakSNP14244	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1081</i>	798	(T/C)
14245	CakSNP14245	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1081</i>	800	(T/C)
14246	CakSNP14246	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1081</i>	805	(A/C)
14247	CakSNP14247	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1081</i>	818	(A/C)
14248	CakSNP14248	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	1154	(C/A)
14249	CakSNP14249	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	1240	(T/G)
14250	CakSNP14250	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	1281	(G/A)
14251	CakSNP14251	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	1278	(T/C)
14252	CakSNP14252	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3160	(C/A)
14253	CakSNP14253	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3173	(G/T)
14254	CakSNP14254	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3204	(G/C)
14255	CakSNP14255	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3236	(T/G)
14256	CakSNP14256	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3249	(T/G)
14257	CakSNP14257	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3248	(C/T)
14258	CakSNP14258	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3240	(G/C)
14259	CakSNP14259	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3228	(C/T)
14260	CakSNP14260	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3191	(G/A)
14261	CakSNP14261	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	3274	(T/C)
14262	CakSNP14262	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	137675	(T/C)
14263	CakSNP14263	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1089</i>	137679	(G/T)
14264	CakSNP14264	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	156485	(C/T)
14265	CakSNP14265	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	230701	(G/C)
14266	CakSNP14266	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	244141	(A/C)
14267	CakSNP14267	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	244150	(C/T)
14268	CakSNP14268	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	244156	(A/C)
14269	CakSNP14269	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	244176	(A/T)
14270	CakSNP14270	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	328757	(C/T)
14271	CakSNP14271	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	343415	(G/A)
14272	CakSNP14272	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	343454	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14273	CakSNP14273	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	385548	(T/C)
14274	CakSNP14274	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	385578	(C/G)
14275	CakSNP14275	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	385602	(C/T)
14276	CakSNP14276	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	385660	(G/A)
14277	CakSNP14277	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	385653	(C/T)
14278	CakSNP14278	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	442149	(A/T)
14279	CakSNP14279	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	535504	(G/C)
14280	CakSNP14280	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	586181	(A/C)
14281	CakSNP14281	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	586286	(C/T)
14282	CakSNP14282	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	696869	(A/C)
14283	CakSNP14283	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	734137	(G/A)
14284	CakSNP14284	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	734141	(C/T)
14285	CakSNP14285	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	741607	(G/A)
14286	CakSNP14286	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold109_1</i>	763160	(G/A)
14287	CakSNP14287	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1109</i>	150672	(G/A)
14288	CakSNP14288	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1109</i>	150720	(G/A)
14289	CakSNP14289	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1109</i>	150676	(C/T)
14290	CakSNP14290	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1115</i>	6234	(G/C)
14291	CakSNP14291	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1115</i>	131039	(G/A)
14292	CakSNP14292	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1115</i>	153349	(T/C)
14293	CakSNP14293	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	2215	(T/C)
14294	CakSNP14294	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	2224	(T/A)
14295	CakSNP14295	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	2225	(C/T)
14296	CakSNP14296	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	2226	(T/G)
14297	CakSNP14297	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	2315	(T/C)
14298	CakSNP14298	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	9568	(A/G)
14299	CakSNP14299	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1118</i>	9556	(C/T)
14300	CakSNP14300	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	94196	(T/A)
14301	CakSNP14301	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	112702	(G/A)
14302	CakSNP14302	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	341416	(T/A)
14303	CakSNP14303	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	360567	(T/A)
14304	CakSNP14304	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	360529	(A/C)
14305	CakSNP14305	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1128</i>	423553	(A/G)
14306	CakSNP14306	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1132</i>	26497	(C/T)
14307	CakSNP14307	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1132</i>	26492	(G/A)
14308	CakSNP14308	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1134</i>	50630	(T/C)
14309	CakSNP14309	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1151</i>	228312	(C/G)
14310	CakSNP14310	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1151</i>	228304	(A/T)
14311	CakSNP14311	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1151</i>	228291	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14312	CakSNP14312	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1152</i>	9541	(A/G)
14313	CakSNP14313	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	52186	(C/T)
14314	CakSNP14314	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	52146	(T/C)
14315	CakSNP14315	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	52142	(G/T)
14316	CakSNP14316	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	52125	(C/T)
14317	CakSNP14317	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	52124	(C/T)
14318	CakSNP14318	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1176_2</i>	330840	(C/A)
14319	CakSNP14319	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold118</i>	206562	(A/G)
14320	CakSNP14320	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold118</i>	303784	(A/C)
14321	CakSNP14321	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold118</i>	332673	(T/C)
14322	CakSNP14322	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1180</i>	114508	(C/A)
14323	CakSNP14323	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1185</i>	944	(G/A)
14324	CakSNP14324	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1185</i>	1110	(G/A)
14325	CakSNP14325	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1185</i>	1134	(T/A)
14326	CakSNP14326	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1185</i>	1098	(T/C)
14327	CakSNP14327	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold119</i>	12259	(A/G)
14328	CakSNP14328	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold119</i>	12263	(C/A)
14329	CakSNP14329	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold119</i>	12267	(C/A)
14330	CakSNP14330	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold119</i>	12279	(G/A)
14331	CakSNP14331	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70506	(G/A)
14332	CakSNP14332	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70552	(A/C)
14333	CakSNP14333	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70549	(G/A)
14334	CakSNP14334	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70547	(G/C)
14335	CakSNP14335	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70535	(G/A)
14336	CakSNP14336	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70530	(C/T)
14337	CakSNP14337	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70526	(T/C)
14338	CakSNP14338	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70520	(G/A)
14339	CakSNP14339	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	70503	(C/T)
14340	CakSNP14340	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1196</i>	203001	(G/A)
14341	CakSNP14341	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	219637	(A/T)
14342	CakSNP14342	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	344239	(A/C)
14343	CakSNP14343	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	402506	(T/C)
14344	CakSNP14344	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	407641	(G/A)
14345	CakSNP14345	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	407658	(C/G)
14346	CakSNP14346	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	407691	(T/C)
14347	CakSNP14347	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	407695	(T/C)
14348	CakSNP14348	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	447890	(C/T)
14349	CakSNP14349	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	520164	(T/A)
14350	CakSNP14350	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	520153	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14351	CakSNP14351	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1197</i>	520148	(A/T)
14352	CakSNP14352	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	107756	(G/A)
14353	CakSNP14353	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	200573	(G/C)
14354	CakSNP14354	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	331877	(G/A)
14355	CakSNP14355	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	331890	(A/G)
14356	CakSNP14356	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	332909	(C/T)
14357	CakSNP14357	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	332921	(G/A)
14358	CakSNP14358	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold12</i>	332963	(C/T)
14359	CakSNP14359	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1202</i>	46904	(C/T)
14360	CakSNP14360	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1202</i>	46945	(G/A)
14361	CakSNP14361	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1215</i>	40741	(G/T)
14362	CakSNP14362	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1215</i>	40793	(A/G)
14363	CakSNP14363	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1215</i>	40797	(A/T)
14364	CakSNP14364	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1215</i>	40817	(G/A)
14365	CakSNP14365	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1215</i>	40814	(A/T)
14366	CakSNP14366	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1219</i>	34791	(G/A)
14367	CakSNP14367	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1219</i>	85015	(A/C)
14368	CakSNP14368	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1259</i>	71428	(C/T)
14369	CakSNP14369	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1259</i>	71574	(A/T)
14370	CakSNP14370	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1259</i>	71649	(C/T)
14371	CakSNP14371	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold127</i>	28809	(A/T)
14372	CakSNP14372	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold127</i>	28780	(G/A)
14373	CakSNP14373	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold127</i>	28778	(C/T)
14374	CakSNP14374	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold127</i>	28776	(T/G)
14375	CakSNP14375	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold127</i>	28772	(G/A)
14376	CakSNP14376	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1272</i>	57303	(C/A)
14377	CakSNP14377	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1272</i>	57356	(C/G)
14378	CakSNP14378	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	19256	(A/C)
14379	CakSNP14379	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	19315	(C/T)
14380	CakSNP14380	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	52881	(G/A)
14381	CakSNP14381	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	52855	(G/C)
14382	CakSNP14382	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	52844	(A/T)
14383	CakSNP14383	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	263590	(G/T)
14384	CakSNP14384	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	263586	(T/A)
14385	CakSNP14385	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	263572	(T/A)
14386	CakSNP14386	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	334180	(G/T)
14387	CakSNP14387	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	334129	(G/A)
14388	CakSNP14388	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	593782	(T/C)
14389	CakSNP14389	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	860975	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14390	CakSNP14390	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	860981	(T/A)
14391	CakSNP14391	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	860983	(A/T)
14392	CakSNP14392	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	860987	(C/T)
14393	CakSNP14393	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861003	(C/A)
14394	CakSNP14394	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861010	(C/T)
14395	CakSNP14395	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861022	(T/C)
14396	CakSNP14396	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861028	(T/C)
14397	CakSNP14397	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861072	(G/T)
14398	CakSNP14398	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861053	(G/A)
14399	CakSNP14399	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861036	(G/A)
14400	CakSNP14400	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold128</i>	861015	(C/T)
14401	CakSNP14401	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	211456	(A/T)
14402	CakSNP14402	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	239742	(T/C)
14403	CakSNP14403	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	244153	(A/C)
14404	CakSNP14404	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	258565	(G/A)
14405	CakSNP14405	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	316037	(A/G)
14406	CakSNP14406	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	396888	(G/A)
14407	CakSNP14407	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	396996	(C/T)
14408	CakSNP14408	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	396992	(A/G)
14409	CakSNP14409	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	398693	(G/A)
14410	CakSNP14410	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	398729	(T/G)
14411	CakSNP14411	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	398887	(G/A)
14412	CakSNP14412	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	408214	(C/T)
14413	CakSNP14413	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	408170	(C/T)
14414	CakSNP14414	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	526446	(C/T)
14415	CakSNP14415	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	526442	(T/C)
14416	CakSNP14416	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	527012	(C/T)
14417	CakSNP14417	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1281</i>	527008	(T/C)
14418	CakSNP14418	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	68330	(G/A)
14419	CakSNP14419	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	68327	(G/T)
14420	CakSNP14420	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	68324	(T/C)
14421	CakSNP14421	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	68315	(T/C)
14422	CakSNP14422	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	68311	(G/A)
14423	CakSNP14423	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96310	(A/C)
14424	CakSNP14424	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96358	(T/C)
14425	CakSNP14425	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96429	(C/T)
14426	CakSNP14426	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96428	(G/A)
14427	CakSNP14427	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96414	(C/T)
14428	CakSNP14428	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96411	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14429	CakSNP14429	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96409	(C/T)
14430	CakSNP14430	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	96399	(C/T)
14431	CakSNP14431	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	105553	(T/C)
14432	CakSNP14432	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	105507	(A/T)
14433	CakSNP14433	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	105504	(G/A)
14434	CakSNP14434	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	192068	(T/G)
14435	CakSNP14435	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	240762	(C/T)
14436	CakSNP14436	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	240735	(G/A)
14437	CakSNP14437	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	240730	(T/C)
14438	CakSNP14438	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1285</i>	240723	(C/T)
14439	CakSNP14439	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	43433	(T/C)
14440	CakSNP14440	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	45565	(A/C)
14441	CakSNP14441	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	45566	(G/A)
14442	CakSNP14442	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	58243	(A/G)
14443	CakSNP14443	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	58337	(C/T)
14444	CakSNP14444	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	58460	(A/T)
14445	CakSNP14445	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	63148	(T/C)
14446	CakSNP14446	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	95495	(G/A)
14447	CakSNP14447	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	95497	(G/A)
14448	CakSNP14448	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	95602	(T/C)
14449	CakSNP14449	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	95533	(C/G)
14450	CakSNP14450	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	122496	(T/A)
14451	CakSNP14451	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	122563	(T/C)
14452	CakSNP14452	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	154342	(A/C)
14453	CakSNP14453	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	157390	(A/G)
14454	CakSNP14454	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1301_1</i>	218538	(G/A)
14455	CakSNP14455	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1308</i>	44260	(A/G)
14456	CakSNP14456	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1309</i>	49259	(G/A)
14457	CakSNP14457	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1312</i>	98400	(T/C)
14458	CakSNP14458	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1313</i>	18173	(A/G)
14459	CakSNP14459	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1313</i>	18412	(G/A)
14460	CakSNP14460	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1313</i>	227732	(G/A)
14461	CakSNP14461	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1313</i>	227744	(C/T)
14462	CakSNP14462	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1315</i>	115480	(G/A)
14463	CakSNP14463	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1315</i>	115476	(A/C)
14464	CakSNP14464	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1315</i>	115471	(G/A)
14465	CakSNP14465	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1315</i>	115446	(C/A)
14466	CakSNP14466	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1315</i>	115481	(G/T)
14467	CakSNP14467	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold132</i>	153364	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14468	CakSNP14468	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold132</i>	153361	(A/G)
14469	CakSNP14469	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1324</i>	228151	(G/A)
14470	CakSNP14470	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1324</i>	228159	(A/C)
14471	CakSNP14471	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1324</i>	262208	(C/G)
14472	CakSNP14472	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	218290	(C/T)
14473	CakSNP14473	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	218352	(T/G)
14474	CakSNP14474	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	218336	(T/G)
14475	CakSNP14475	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	223318	(C/T)
14476	CakSNP14476	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	223303	(T/C)
14477	CakSNP14477	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	233007	(C/T)
14478	CakSNP14478	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold134</i>	275661	(T/A)
14479	CakSNP14479	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	84644	(G/C)
14480	CakSNP14480	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	134575	(T/C)
14481	CakSNP14481	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	134572	(G/A)
14482	CakSNP14482	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	294458	(A/G)
14483	CakSNP14483	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	294456	(A/G)
14484	CakSNP14484	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380156	(A/T)
14485	CakSNP14485	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380225	(T/G)
14486	CakSNP14486	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380227	(C/G)
14487	CakSNP14487	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380244	(C/G)
14488	CakSNP14488	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380289	(C/T)
14489	CakSNP14489	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	380336	(G/C)
14490	CakSNP14490	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	381026	(G/T)
14491	CakSNP14491	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	452011	(G/T)
14492	CakSNP14492	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	454342	(G/T)
14493	CakSNP14493	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	515602	(A/C)
14494	CakSNP14494	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	535984	(G/T)
14495	CakSNP14495	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	552192	(C/A)
14496	CakSNP14496	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	552299	(T/C)
14497	CakSNP14497	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	552342	(G/A)
14498	CakSNP14498	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	552328	(A/G)
14499	CakSNP14499	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	553863	(G/T)
14500	CakSNP14500	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	553978	(C/T)
14501	CakSNP14501	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	554003	(G/C)
14502	CakSNP14502	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	554134	(A/G)
14503	CakSNP14503	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	554215	(T/G)
14504	CakSNP14504	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	651906	(A/T)
14505	CakSNP14505	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	652067	(A/G)
14506	CakSNP14506	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	667541	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14507	CakSNP14507	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	667504	(C/T)
14508	CakSNP14508	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	679305	(T/C)
14509	CakSNP14509	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	680734	(G/T)
14510	CakSNP14510	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	680730	(C/T)
14511	CakSNP14511	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	680718	(A/T)
14512	CakSNP14512	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	708276	(G/A)
14513	CakSNP14513	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	708302	(G/T)
14514	CakSNP14514	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	708344	(G/A)
14515	CakSNP14515	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	732450	(A/C)
14516	CakSNP14516	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	732454	(T/G)
14517	CakSNP14517	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	732460	(T/A)
14518	CakSNP14518	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	732496	(G/T)
14519	CakSNP14519	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	735782	(C/T)
14520	CakSNP14520	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	735812	(G/A)
14521	CakSNP14521	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	750170	(C/A)
14522	CakSNP14522	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	750162	(T/C)
14523	CakSNP14523	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	750213	(C/A)
14524	CakSNP14524	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	771029	(T/A)
14525	CakSNP14525	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	871724	(G/A)
14526	CakSNP14526	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	909909	(A/G)
14527	CakSNP14527	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	909967	(C/G)
14528	CakSNP14528	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	909965	(T/A)
14529	CakSNP14529	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	909959	(A/C)
14530	CakSNP14530	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	924164	(T/G)
14531	CakSNP14531	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	934720	(C/A)
14532	CakSNP14532	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	934791	(C/T)
14533	CakSNP14533	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	950995	(A/G)
14534	CakSNP14534	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	959608	(A/C)
14535	CakSNP14535	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	959828	(G/A)
14536	CakSNP14536	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	959780	(G/A)
14537	CakSNP14537	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	970927	(A/G)
14538	CakSNP14538	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	981964	(T/C)
14539	CakSNP14539	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	983101	(T/G)
14540	CakSNP14540	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1020258	(C/T)
14541	CakSNP14541	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1023898	(G/A)
14542	CakSNP14542	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1023923	(G/A)
14543	CakSNP14543	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1023954	(G/C)
14544	CakSNP14544	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1066818	(A/C)
14545	CakSNP14545	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1066783	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14546	CakSNP14546	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1066776	(T/C)
14547	CakSNP14547	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1072750	(C/T)
14548	CakSNP14548	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1145082	(A/C)
14549	CakSNP14549	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1145124	(T/C)
14550	CakSNP14550	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1207442	(G/A)
14551	CakSNP14551	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1236956	(A/G)
14552	CakSNP14552	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1263560	(T/G)
14553	CakSNP14553	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1265627	(T/C)
14554	CakSNP14554	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1265635	(T/G)
14555	CakSNP14555	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1273341	(G/A)
14556	CakSNP14556	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1273388	(G/A)
14557	CakSNP14557	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1288448	(A/G)
14558	CakSNP14558	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1294675	(A/T)
14559	CakSNP14559	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1296453	(G/A)
14560	CakSNP14560	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1330256	(A/G)
14561	CakSNP14561	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1330288	(A/G)
14562	CakSNP14562	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1330400	(A/G)
14563	CakSNP14563	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1346914	(G/T)
14564	CakSNP14564	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1346943	(G/A)
14565	CakSNP14565	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1372535	(G/A)
14566	CakSNP14566	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1403452	(G/A)
14567	CakSNP14567	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1348_1</i>	1403480	(A/G)
14568	CakSNP14568	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	172111	(G/A)
14569	CakSNP14569	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	172110	(T/C)
14570	CakSNP14570	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177159	(G/A)
14571	CakSNP14571	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177172	(G/A)
14572	CakSNP14572	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177178	(T/C)
14573	CakSNP14573	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177181	(A/G)
14574	CakSNP14574	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177194	(G/A)
14575	CakSNP14575	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177202	(G/A)
14576	CakSNP14576	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177171	(T/G)
14577	CakSNP14577	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177193	(T/C)
14578	CakSNP14578	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177256	(T/G)
14579	CakSNP14579	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177248	(G/T)
14580	CakSNP14580	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177247	(G/A)
14581	CakSNP14581	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177242	(G/A)
14582	CakSNP14582	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177241	(T/G)
14583	CakSNP14583	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177240	(C/A)
14584	CakSNP14584	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177235	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14585	CakSNP14585	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177234	(A/C)
14586	CakSNP14586	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177210	(T/A)
14587	CakSNP14587	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177200	(T/G)
14588	CakSNP14588	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177191	(C/T)
14589	CakSNP14589	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	177188	(G/T)
14590	CakSNP14590	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	204656	(C/A)
14591	CakSNP14591	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	335227	(T/C)
14592	CakSNP14592	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	335239	(G/T)
14593	CakSNP14593	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	367576	(A/G)
14594	CakSNP14594	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	367578	(G/A)
14595	CakSNP14595	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1351</i>	367745	(G/A)
14596	CakSNP14596	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	8015	(T/A)
14597	CakSNP14597	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	8115	(T/G)
14598	CakSNP14598	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	8154	(T/G)
14599	CakSNP14599	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	8221	(T/G)
14600	CakSNP14600	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	8327	(G/A)
14601	CakSNP14601	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1369</i>	31000	(A/G)
14602	CakSNP14602	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1390</i>	98354	(A/G)
14603	CakSNP14603	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1401</i>	89077	(T/C)
14604	CakSNP14604	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1401</i>	89074	(T/C)
14605	CakSNP14605	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1417</i>	4863	(A/G)
14606	CakSNP14606	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1417</i>	4906	(G/A)
14607	CakSNP14607	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1417</i>	4917	(G/T)
14608	CakSNP14608	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1417</i>	76627	(A/C)
14609	CakSNP14609	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1417</i>	230210	(T/G)
14610	CakSNP14610	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1419</i>	24845	(C/T)
14611	CakSNP14611	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold143</i>	18492	(A/G)
14612	CakSNP14612	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1439</i>	242972	(A/G)
14613	CakSNP14613	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1448</i>	47306	(A/G)
14614	CakSNP14614	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1448</i>	74436	(C/T)
14615	CakSNP14615	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1448</i>	74434	(C/T)
14616	CakSNP14616	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1448</i>	74529	(C/T)
14617	CakSNP14617	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1448</i>	76809	(G/A)
14618	CakSNP14618	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1449</i>	55474	(T/G)
14619	CakSNP14619	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1449</i>	55529	(G/A)
14620	CakSNP14620	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1449</i>	55532	(G/A)
14621	CakSNP14621	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1452</i>	3501	(C/A)
14622	CakSNP14622	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1452</i>	3496	(A/T)
14623	CakSNP14623	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1452</i>	3495	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14624	CakSNP14624	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1452</i>	3737	(C/A)
14625	CakSNP14625	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1462</i>	1556	(T/G)
14626	CakSNP14626	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	90846	(C/A)
14627	CakSNP14627	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	165472	(C/T)
14628	CakSNP14628	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322287	(G/A)
14629	CakSNP14629	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322315	(G/T)
14630	CakSNP14630	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322450	(G/T)
14631	CakSNP14631	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322448	(T/G)
14632	CakSNP14632	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322421	(C/T)
14633	CakSNP14633	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322415	(G/A)
14634	CakSNP14634	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322414	(G/A)
14635	CakSNP14635	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322400	(C/T)
14636	CakSNP14636	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322390	(G/A)
14637	CakSNP14637	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1466</i>	322383	(C/T)
14638	CakSNP14638	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	205779	(A/G)
14639	CakSNP14639	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	205803	(C/T)
14640	CakSNP14640	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	205833	(G/A)
14641	CakSNP14641	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	205840	(G/A)
14642	CakSNP14642	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	205845	(A/G)
14643	CakSNP14643	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206121	(G/A)
14644	CakSNP14644	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206118	(C/T)
14645	CakSNP14645	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206100	(G/A)
14646	CakSNP14646	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206094	(T/C)
14647	CakSNP14647	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206085	(T/C)
14648	CakSNP14648	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206068	(A/G)
14649	CakSNP14649	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1467</i>	206067	(T/G)
14650	CakSNP14650	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4820	(G/A)
14651	CakSNP14651	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4796	(C/T)
14652	CakSNP14652	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4794	(C/A)
14653	CakSNP14653	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4755	(T/A)
14654	CakSNP14654	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4754	(C/T)
14655	CakSNP14655	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4749	(C/T)
14656	CakSNP14656	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4873	(G/T)
14657	CakSNP14657	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4845	(A/T)
14658	CakSNP14658	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4833	(G/A)
14659	CakSNP14659	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1475</i>	4818	(C/T)
14660	CakSNP14660	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1483</i>	56686	(A/T)
14661	CakSNP14661	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1483</i>	56721	(G/C)
14662	CakSNP14662	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1493</i>	81740	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14663	CakSNP14663	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1493</i>	81784	(C/A)
14664	CakSNP14664	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1493</i>	81789	(G/A)
14665	CakSNP14665	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1496</i>	289997	(G/T)
14666	CakSNP14666	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1496</i>	290018	(C/A)
14667	CakSNP14667	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1498</i>	3474	(A/C)
14668	CakSNP14668	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1498</i>	3657	(C/T)
14669	CakSNP14669	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1498</i>	3641	(T/C)
14670	CakSNP14670	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	160623	(G/T)
14671	CakSNP14671	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	189700	(A/G)
14672	CakSNP14672	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	189699	(C/T)
14673	CakSNP14673	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	189681	(C/T)
14674	CakSNP14674	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	189664	(G/A)
14675	CakSNP14675	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	189663	(G/A)
14676	CakSNP14676	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	197789	(G/A)
14677	CakSNP14677	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	197790	(G/A)
14678	CakSNP14678	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1504</i>	197819	(T/G)
14679	CakSNP14679	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1505</i>	33297	(A/C)
14680	CakSNP14680	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold151</i>	267060	(T/G)
14681	CakSNP14681	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold151</i>	275743	(T/A)
14682	CakSNP14682	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1521</i>	20734	(C/A)
14683	CakSNP14683	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1521</i>	20779	(T/C)
14684	CakSNP14684	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1521</i>	20851	(C/T)
14685	CakSNP14685	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1545</i>	111476	(G/A)
14686	CakSNP14686	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1545</i>	113148	(T/C)
14687	CakSNP14687	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1553</i>	5078	(G/A)
14688	CakSNP14688	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1553</i>	5115	(C/T)
14689	CakSNP14689	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1553</i>	5125	(A/G)
14690	CakSNP14690	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	100228	(A/G)
14691	CakSNP14691	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	100529	(T/C)
14692	CakSNP14692	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	102779	(C/T)
14693	CakSNP14693	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	106331	(G/A)
14694	CakSNP14694	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	106349	(C/T)
14695	CakSNP14695	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	133602	(A/G)
14696	CakSNP14696	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	133583	(T/G)
14697	CakSNP14697	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	141880	(A/G)
14698	CakSNP14698	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	142444	(A/T)
14699	CakSNP14699	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	142455	(T/C)
14700	CakSNP14700	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	142470	(G/T)
14701	CakSNP14701	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	151081	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14702	CakSNP14702	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	151199	(T/A)
14703	CakSNP14703	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	151192	(T/C)
14704	CakSNP14704	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	151177	(A/G)
14705	CakSNP14705	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	151131	(T/A)
14706	CakSNP14706	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213380	(C/G)
14707	CakSNP14707	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213398	(T/G)
14708	CakSNP14708	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213404	(T/G)
14709	CakSNP14709	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213518	(T/C)
14710	CakSNP14710	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213487	(G/C)
14711	CakSNP14711	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	213477	(G/A)
14712	CakSNP14712	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	229917	(G/A)
14713	CakSNP14713	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	229900	(G/A)
14714	CakSNP14714	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	321386	(C/T)
14715	CakSNP14715	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	326434	(A/G)
14716	CakSNP14716	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	326467	(C/T)
14717	CakSNP14717	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	326494	(A/G)
14718	CakSNP14718	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	326497	(A/G)
14719	CakSNP14719	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	352687	(C/T)
14720	CakSNP14720	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	352712	(G/A)
14721	CakSNP14721	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	352747	(T/C)
14722	CakSNP14722	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	355222	(G/A)
14723	CakSNP14723	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	469198	(A/C)
14724	CakSNP14724	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold157</i>	535057	(T/G)
14725	CakSNP14725	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1575</i>	2230	(C/T)
14726	CakSNP14726	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	71861	(G/T)
14727	CakSNP14727	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	119410	(T/C)
14728	CakSNP14728	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	119678	(T/C)
14729	CakSNP14729	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	163148	(A/T)
14730	CakSNP14730	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	163194	(T/C)
14731	CakSNP14731	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1580</i>	380649	(A/T)
14732	CakSNP14732	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1585</i>	59010	(C/A)
14733	CakSNP14733	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1603</i>	11828	(C/G)
14734	CakSNP14734	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1607</i>	107222	(T/C)
14735	CakSNP14735	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1613</i>	48917	(T/G)
14736	CakSNP14736	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1613</i>	107664	(T/A)
14737	CakSNP14737	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1613</i>	107750	(T/A)
14738	CakSNP14738	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1631</i>	202418	(A/G)
14739	CakSNP14739	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1635</i>	83227	(G/C)
14740	CakSNP14740	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1635</i>	83345	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14741	CakSNP14741	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1654</i>	26432	(G/A)
14742	CakSNP14742	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1659</i>	303945	(T/G)
14743	CakSNP14743	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1661</i>	70434	(A/G)
14744	CakSNP14744	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1664</i>	94989	(G/A)
14745	CakSNP14745	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1664</i>	94984	(A/T)
14746	CakSNP14746	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1664</i>	94930	(G/C)
14747	CakSNP14747	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	11018	(T/A)
14748	CakSNP14748	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	11009	(A/T)
14749	CakSNP14749	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	137869	(C/T)
14750	CakSNP14750	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	137848	(A/G)
14751	CakSNP14751	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	239687	(G/A)
14752	CakSNP14752	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold167</i>	327829	(T/C)
14753	CakSNP14753	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1687</i>	82935	(A/C)
14754	CakSNP14754	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1699</i>	27556	(A/C)
14755	CakSNP14755	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1699</i>	27607	(T/G)
14756	CakSNP14756	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1708</i>	69664	(A/T)
14757	CakSNP14757	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	96763	(T/C)
14758	CakSNP14758	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	183718	(T/C)
14759	CakSNP14759	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	183720	(C/T)
14760	CakSNP14760	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	183721	(G/A)
14761	CakSNP14761	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	183727	(C/T)
14762	CakSNP14762	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	183759	(T/C)
14763	CakSNP14763	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	186125	(C/A)
14764	CakSNP14764	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	208050	(A/G)
14765	CakSNP14765	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold171</i>	209964	(G/T)
14766	CakSNP14766	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	302	(G/A)
14767	CakSNP14767	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	295	(G/A)
14768	CakSNP14768	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	289	(C/T)
14769	CakSNP14769	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	268	(C/G)
14770	CakSNP14770	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	3898	(G/C)
14771	CakSNP14771	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	21521	(A/G)
14772	CakSNP14772	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1718</i>	40669	(T/C)
14773	CakSNP14773	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1722</i>	65999	(C/A)
14774	CakSNP14774	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1722</i>	135589	(C/T)
14775	CakSNP14775	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1728</i>	33301	(A/C)
14776	CakSNP14776	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	17761	(A/C)
14777	CakSNP14777	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	32366	(T/C)
14778	CakSNP14778	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	44014	(T/G)
14779	CakSNP14779	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	61454	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14780	CakSNP14780	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	263899	(G/A)
14781	CakSNP14781	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	335077	(C/T)
14782	CakSNP14782	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	341322	(C/T)
14783	CakSNP14783	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold174</i>	457627	(G/A)
14784	CakSNP14784	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1750</i>	15510	(C/T)
14785	CakSNP14785	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1750</i>	137106	(A/C)
14786	CakSNP14786	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1750</i>	204638	(G/A)
14787	CakSNP14787	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	189367	(T/G)
14788	CakSNP14788	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	192417	(C/A)
14789	CakSNP14789	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	192713	(G/T)
14790	CakSNP14790	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	193026	(T/A)
14791	CakSNP14791	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	193013	(T/G)
14792	CakSNP14792	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	266583	(G/A)
14793	CakSNP14793	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	496626	(G/A)
14794	CakSNP14794	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	528896	(A/C)
14795	CakSNP14795	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	529005	(C/T)
14796	CakSNP14796	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	528979	(T/C)
14797	CakSNP14797	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	528973	(C/G)
14798	CakSNP14798	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625364	(G/A)
14799	CakSNP14799	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625362	(C/T)
14800	CakSNP14800	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625355	(C/T)
14801	CakSNP14801	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625342	(C/T)
14802	CakSNP14802	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625335	(G/A)
14803	CakSNP14803	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625395	(A/G)
14804	CakSNP14804	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625394	(C/T)
14805	CakSNP14805	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625389	(A/C)
14806	CakSNP14806	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625378	(G/A)
14807	CakSNP14807	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625375	(G/A)
14808	CakSNP14808	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625366	(T/C)
14809	CakSNP14809	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625365	(T/C)
14810	CakSNP14810	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625332	(A/C)
14811	CakSNP14811	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1751</i>	625396	(G/A)
14812	CakSNP14812	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1776</i>	740	(C/T)
14813	CakSNP14813	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164715	(G/A)
14814	CakSNP14814	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164722	(C/G)
14815	CakSNP14815	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164747	(G/A)
14816	CakSNP14816	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164791	(T/G)
14817	CakSNP14817	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164758	(C/T)
14818	CakSNP14818	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164753	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14819	CakSNP14819	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	164730	(T/G)
14820	CakSNP14820	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	169037	(G/T)
14821	CakSNP14821	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	343173	(C/T)
14822	CakSNP14822	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	343185	(G/A)
14823	CakSNP14823	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	448166	(A/G)
14824	CakSNP14824	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	448176	(C/T)
14825	CakSNP14825	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	448187	(G/T)
14826	CakSNP14826	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1777</i>	448216	(C/T)
14827	CakSNP14827	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1779</i>	957	(G/A)
14828	CakSNP14828	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1779</i>	896	(A/G)
14829	CakSNP14829	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1779</i>	890	(G/A)
14830	CakSNP14830	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17068	(A/G)
14831	CakSNP14831	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17033	(A/G)
14832	CakSNP14832	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17111	(C/T)
14833	CakSNP14833	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17117	(T/C)
14834	CakSNP14834	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17120	(C/T)
14835	CakSNP14835	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17123	(G/T)
14836	CakSNP14836	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17132	(C/T)
14837	CakSNP14837	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17150	(T/C)
14838	CakSNP14838	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17151	(T/C)
14839	CakSNP14839	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17168	(T/C)
14840	CakSNP14840	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1802</i>	17177	(T/A)
14841	CakSNP14841	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1835</i>	9398	(C/A)
14842	CakSNP14842	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1835</i>	10541	(C/G)
14843	CakSNP14843	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1835</i>	10563	(T/C)
14844	CakSNP14844	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1844</i>	41899	(C/A)
14845	CakSNP14845	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	16292	(C/G)
14846	CakSNP14846	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	16317	(C/G)
14847	CakSNP14847	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	40886	(T/A)
14848	CakSNP14848	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	40872	(T/G)
14849	CakSNP14849	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	40871	(T/A)
14850	CakSNP14850	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	40842	(T/G)
14851	CakSNP14851	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1845</i>	40821	(T/G)
14852	CakSNP14852	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1848</i>	583	(A/G)
14853	CakSNP14853	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1848</i>	565	(T/C)
14854	CakSNP14854	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1848</i>	562	(G/C)
14855	CakSNP14855	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1848</i>	532	(G/C)
14856	CakSNP14856	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	11965	(A/G)
14857	CakSNP14857	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	279942	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14858	CakSNP14858	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	280062	(T/C)
14859	CakSNP14859	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	280047	(A/G)
14860	CakSNP14860	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	280023	(C/T)
14861	CakSNP14861	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	280015	(T/C)
14862	CakSNP14862	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold186</i>	280009	(G/T)
14863	CakSNP14863	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	106318	(T/A)
14864	CakSNP14864	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	106330	(A/T)
14865	CakSNP14865	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	106371	(C/A)
14866	CakSNP14866	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	106374	(A/T)
14867	CakSNP14867	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	106402	(C/T)
14868	CakSNP14868	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	110550	(A/G)
14869	CakSNP14869	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	110570	(G/A)
14870	CakSNP14870	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1866</i>	110578	(C/A)
14871	CakSNP14871	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1899</i>	148	(T/G)
14872	CakSNP14872	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1899</i>	187	(A/G)
14873	CakSNP14873	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1899</i>	267	(T/A)
14874	CakSNP14874	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1899</i>	200	(G/A)
14875	CakSNP14875	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1918</i>	216231	(T/G)
14876	CakSNP14876	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1918</i>	216213	(T/C)
14877	CakSNP14877	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1918</i>	216180	(C/A)
14878	CakSNP14878	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1918</i>	237787	(G/A)
14879	CakSNP14879	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1918</i>	245929	(T/C)
14880	CakSNP14880	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1928</i>	103092	(A/G)
14881	CakSNP14881	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1928</i>	103114	(G/A)
14882	CakSNP14882	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	38279	(C/A)
14883	CakSNP14883	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186538	(C/T)
14884	CakSNP14884	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186523	(T/C)
14885	CakSNP14885	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186515	(T/G)
14886	CakSNP14886	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186510	(C/A)
14887	CakSNP14887	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186584	(A/G)
14888	CakSNP14888	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186582	(C/A)
14889	CakSNP14889	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186587	(G/T)
14890	CakSNP14890	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186588	(C/G)
14891	CakSNP14891	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186595	(C/T)
14892	CakSNP14892	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186598	(A/G)
14893	CakSNP14893	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186611	(G/A)
14894	CakSNP14894	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186639	(C/T)
14895	CakSNP14895	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186651	(T/C)
14896	CakSNP14896	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186657	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14897	CakSNP14897	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	186661	(T/C)
14898	CakSNP14898	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	242763	(T/C)
14899	CakSNP14899	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	242733	(G/T)
14900	CakSNP14900	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold193</i>	244735	(T/G)
14901	CakSNP14901	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1943</i>	163784	(G/A)
14902	CakSNP14902	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1943</i>	163780	(C/T)
14903	CakSNP14903	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1959</i>	84160	(G/A)
14904	CakSNP14904	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1964</i>	54613	(G/A)
14905	CakSNP14905	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1964</i>	54604	(T/C)
14906	CakSNP14906	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1964</i>	67416	(G/C)
14907	CakSNP14907	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	631160	(G/A)
14908	CakSNP14908	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	631174	(C/T)
14909	CakSNP14909	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	631185	(G/A)
14910	CakSNP14910	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	641266	(C/T)
14911	CakSNP14911	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	641252	(A/G)
14912	CakSNP14912	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold198</i>	641243	(A/G)
14913	CakSNP14913	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	265110	(A/C)
14914	CakSNP14914	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	265126	(G/T)
14915	CakSNP14915	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	265216	(A/G)
14916	CakSNP14916	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	265191	(T/G)
14917	CakSNP14917	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	269879	(A/G)
14918	CakSNP14918	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1981</i>	385683	(T/A)
14919	CakSNP14919	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1984</i>	212011	(G/A)
14920	CakSNP14920	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1984</i>	215969	(G/C)
14921	CakSNP14921	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1984</i>	292507	(A/C)
14922	CakSNP14922	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1984</i>	292511	(G/C)
14923	CakSNP14923	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1985</i>	98611	(C/T)
14924	CakSNP14924	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1985</i>	98659	(C/T)
14925	CakSNP14925	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62009	(C/A)
14926	CakSNP14926	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62121	(G/A)
14927	CakSNP14927	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62085	(A/C)
14928	CakSNP14928	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62115	(G/A)
14929	CakSNP14929	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62131	(G/A)
14930	CakSNP14930	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62154	(T/A)
14931	CakSNP14931	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62147	(G/A)
14932	CakSNP14932	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold1991</i>	62422	(G/A)
14933	CakSNP14933	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2</i>	137309	(T/G)
14934	CakSNP14934	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2</i>	504258	(C/T)
14935	CakSNP14935	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2</i>	504253	(C/T)

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14936	CakSNP14936	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2</i>	504248	(G/A)
14937	CakSNP14937	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	16084	(T/C)
14938	CakSNP14938	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	92532	(C/A)
14939	CakSNP14939	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96456	(T/C)
14940	CakSNP14940	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96444	(G/A)
14941	CakSNP14941	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96532	(G/T)
14942	CakSNP14942	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96589	(A/T)
14943	CakSNP14943	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96580	(T/G)
14944	CakSNP14944	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	96576	(A/G)
14945	CakSNP14945	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold202</i>	99123	(C/T)
14946	CakSNP14946	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2027</i>	100867	(G/C)
14947	CakSNP14947	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2027</i>	152763	(C/A)
14948	CakSNP14948	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2030</i>	13855	(G/A)
14949	CakSNP14949	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2030</i>	13822	(C/T)
14950	CakSNP14950	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2030</i>	13807	(G/A)
14951	CakSNP14951	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2030</i>	13889	(C/T)
14952	CakSNP14952	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2030</i>	13874	(G/T)
14953	CakSNP14953	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	115044	(C/T)
14954	CakSNP14954	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	118686	(C/T)
14955	CakSNP14955	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	118779	(G/T)
14956	CakSNP14956	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	118760	(T/G)
14957	CakSNP14957	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119057	(T/G)
14958	CakSNP14958	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119166	(T/C)
14959	CakSNP14959	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119645	(G/A)
14960	CakSNP14960	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119648	(G/A)
14961	CakSNP14961	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119703	(C/T)
14962	CakSNP14962	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119715	(G/T)
14963	CakSNP14963	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2033</i>	119728	(G/A)
14964	CakSNP14964	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2039</i>	116734	(A/G)
14965	CakSNP14965	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139597	(A/G)
14966	CakSNP14966	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139585	(A/C)
14967	CakSNP14967	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139584	(G/A)
14968	CakSNP14968	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139581	(G/A)
14969	CakSNP14969	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139560	(G/T)
14970	CakSNP14970	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139550	(G/A)
14971	CakSNP14971	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139548	(C/T)
14972	CakSNP14972	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139544	(C/A)
14973	CakSNP14973	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139541	(T/C)
14974	CakSNP14974	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139538	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
14975	CakSNP14975	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139545	(G/A)
14976	CakSNP14976	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2040</i>	139603	(C/T)
14977	CakSNP14977	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74448	(T/G)
14978	CakSNP14978	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74430	(A/G)
14979	CakSNP14979	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74397	(G/A)
14980	CakSNP14980	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74399	(C/T)
14981	CakSNP14981	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74424	(T/C)
14982	CakSNP14982	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74432	(G/A)
14983	CakSNP14983	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold205</i>	74433	(G/A)
14984	CakSNP14984	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold206</i>	58349	(C/A)
14985	CakSNP14985	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold206</i>	62985	(G/A)
14986	CakSNP14986	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold208</i>	344503	(G/T)
14987	CakSNP14987	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold208</i>	344515	(A/G)
14988	CakSNP14988	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold208</i>	344519	(A/T)
14989	CakSNP14989	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold208</i>	344533	(C/T)
14990	CakSNP14990	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold208</i>	344556	(T/G)
14991	CakSNP14991	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2097</i>	54210	(A/C)
14992	CakSNP14992	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold210</i>	293799	(G/A)
14993	CakSNP14993	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold210</i>	355284	(G/T)
14994	CakSNP14994	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold210</i>	533483	(G/A)
14995	CakSNP14995	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold210</i>	533416	(G/A)
14996	CakSNP14996	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold210</i>	617431	(T/A)
14997	CakSNP14997	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61757	(T/C)
14998	CakSNP14998	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61745	(T/G)
14999	CakSNP14999	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61734	(T/G)
15000	CakSNP15000	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61723	(G/A)
15001	CakSNP15001	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61710	(C/T)
15002	CakSNP15002	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2104</i>	61705	(C/T)
15003	CakSNP15003	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2152</i>	372404	(A/T)
15004	CakSNP15004	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2166</i>	228653	(G/C)
15005	CakSNP15005	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2166</i>	228710	(G/A)
15006	CakSNP15006	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2170</i>	4821	(G/A)
15007	CakSNP15007	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2192</i>	67485	(A/G)
15008	CakSNP15008	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2192</i>	67589	(A/C)
15009	CakSNP15009	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold221</i>	53841	(T/G)
15010	CakSNP15010	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2248</i>	5538	(A/T)
15011	CakSNP15011	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2248</i>	5562	(C/T)
15012	CakSNP15012	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2248</i>	5570	(T/C)
15013	CakSNP15013	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2248</i>	5520	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15014	CakSNP15014	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2249</i>	4446	(A/C)
15015	CakSNP15015	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2269</i>	58091	(A/T)
15016	CakSNP15016	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2269</i>	123799	(A/C)
15017	CakSNP15017	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2269</i>	126013	(A/C)
15018	CakSNP15018	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2301</i>	70721	(A/G)
15019	CakSNP15019	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	27894	(A/C)
15020	CakSNP15020	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	64157	(T/C)
15021	CakSNP15021	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	65482	(T/G)
15022	CakSNP15022	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	65617	(G/A)
15023	CakSNP15023	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	65650	(C/T)
15024	CakSNP15024	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	83061	(C/T)
15025	CakSNP15025	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	83064	(A/G)
15026	CakSNP15026	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	83077	(G/C)
15027	CakSNP15027	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	83112	(A/G)
15028	CakSNP15028	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2330</i>	83116	(G/T)
15029	CakSNP15029	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold235</i>	67258	(G/T)
15030	CakSNP15030	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2371</i>	139149	(A/G)
15031	CakSNP15031	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3818	(A/G)
15032	CakSNP15032	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3815	(T/A)
15033	CakSNP15033	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3811	(C/T)
15034	CakSNP15034	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3793	(C/T)
15035	CakSNP15035	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3923	(T/C)
15036	CakSNP15036	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3871	(A/T)
15037	CakSNP15037	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	3862	(C/T)
15038	CakSNP15038	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	12916	(C/A)
15039	CakSNP15039	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	12969	(G/C)
15040	CakSNP15040	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	12978	(A/T)
15041	CakSNP15041	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	62495	(C/T)
15042	CakSNP15042	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	62494	(A/G)
15043	CakSNP15043	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	62473	(G/A)
15044	CakSNP15044	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	62434	(G/A)
15045	CakSNP15045	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	62433	(A/G)
15046	CakSNP15046	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	127884	(A/C)
15047	CakSNP15047	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	127851	(C/T)
15048	CakSNP15048	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	127905	(C/T)
15049	CakSNP15049	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	127870	(T/G)
15050	CakSNP15050	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2373</i>	127855	(A/C)
15051	CakSNP15051	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	35402	(A/C)
15052	CakSNP15052	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	198120	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15053	CakSNP15053	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314304	(T/C)
15054	CakSNP15054	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314322	(T/C)
15055	CakSNP15055	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314323	(G/A)
15056	CakSNP15056	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314343	(G/A)
15057	CakSNP15057	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314344	(T/C)
15058	CakSNP15058	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314349	(C/G)
15059	CakSNP15059	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314353	(G/A)
15060	CakSNP15060	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314345	(G/A)
15061	CakSNP15061	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2392</i>	314401	(A/C)
15062	CakSNP15062	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	6231	(T/A)
15063	CakSNP15063	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	6193	(G/A)
15064	CakSNP15064	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	6152	(C/T)
15065	CakSNP15065	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119157	(G/A)
15066	CakSNP15066	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119301	(T/C)
15067	CakSNP15067	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119297	(C/A)
15068	CakSNP15068	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119278	(T/C)
15069	CakSNP15069	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119269	(C/T)
15070	CakSNP15070	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119267	(G/C)
15071	CakSNP15071	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold240</i>	119265	(C/G)
15072	CakSNP15072	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2415</i>	117840	(A/G)
15073	CakSNP15073	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2415</i>	117871	(A/C)
15074	CakSNP15074	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2415</i>	117882	(A/G)
15075	CakSNP15075	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2415</i>	117970	(G/A)
15076	CakSNP15076	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold242</i>	293872	(A/G)
15077	CakSNP15077	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold250</i>	38270	(A/G)
15078	CakSNP15078	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2501</i>	287	(C/T)
15079	CakSNP15079	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2501</i>	282	(C/A)
15080	CakSNP15080	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2501</i>	251	(T/G)
15081	CakSNP15081	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2501</i>	242	(C/G)
15082	CakSNP15082	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2516</i>	58947	(T/C)
15083	CakSNP15083	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2521</i>	57762	(T/C)
15084	CakSNP15084	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2521</i>	57725	(G/A)
15085	CakSNP15085	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2521</i>	57709	(G/T)
15086	CakSNP15086	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2557</i>	110378	(C/T)
15087	CakSNP15087	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2557</i>	110414	(T/G)
15088	CakSNP15088	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2557</i>	110437	(C/T)
15089	CakSNP15089	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2557</i>	110441	(T/A)
15090	CakSNP15090	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2569</i>	58152	(T/G)
15091	CakSNP15091	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2575</i>	101222	(C/T)

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15092	CakSNP15092	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2617</i>	467848	(C/T)
15093	CakSNP15093	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	85006	(G/A)
15094	CakSNP15094	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	85003	(C/T)
15095	CakSNP15095	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	84998	(G/A)
15096	CakSNP15096	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	84976	(A/G)
15097	CakSNP15097	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	84970	(T/C)
15098	CakSNP15098	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold263</i>	84952	(T/G)
15099	CakSNP15099	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2720</i>	30699	(C/T)
15100	CakSNP15100	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2720</i>	30701	(G/A)
15101	CakSNP15101	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2720</i>	30760	(T/C)
15102	CakSNP15102	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2720</i>	177550	(G/T)
15103	CakSNP15103	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2720</i>	177578	(T/C)
15104	CakSNP15104	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2722</i>	52416	(G/T)
15105	CakSNP15105	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2722</i>	52397	(G/T)
15106	CakSNP15106	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2722</i>	67309	(C/A)
15107	CakSNP15107	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2722</i>	75609	(A/G)
15108	CakSNP15108	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2728</i>	1371	(G/A)
15109	CakSNP15109	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold273</i>	202514	(T/G)
15110	CakSNP15110	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2738</i>	1307	(G/A)
15111	CakSNP15111	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	208095	(G/A)
15112	CakSNP15112	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	208067	(C/A)
15113	CakSNP15113	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	208786	(G/C)
15114	CakSNP15114	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	230606	(A/G)
15115	CakSNP15115	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	347422	(C/A)
15116	CakSNP15116	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	347384	(G/A)
15117	CakSNP15117	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	347361	(C/T)
15118	CakSNP15118	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	479497	(C/T)
15119	CakSNP15119	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold275</i>	562610	(C/T)
15120	CakSNP15120	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4688	(A/C)
15121	CakSNP15121	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4706	(G/T)
15122	CakSNP15122	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4719	(G/A)
15123	CakSNP15123	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4732	(C/G)
15124	CakSNP15124	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4738	(C/G)
15125	CakSNP15125	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4804	(A/T)
15126	CakSNP15126	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4800	(T/A)
15127	CakSNP15127	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4787	(A/G)
15128	CakSNP15128	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	4782	(C/T)
15129	CakSNP15129	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	25756	(T/G)
15130	CakSNP15130	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	25769	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15131	CakSNP15131	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	25771	(T/G)
15132	CakSNP15132	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	43207	(G/A)
15133	CakSNP15133	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	49533	(T/A)
15134	CakSNP15134	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82193	(C/A)
15135	CakSNP15135	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82232	(C/T)
15136	CakSNP15136	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82249	(G/A)
15137	CakSNP15137	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82250	(T/C)
15138	CakSNP15138	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82253	(G/C)
15139	CakSNP15139	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82262	(G/C)
15140	CakSNP15140	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82261	(C/G)
15141	CakSNP15141	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82265	(G/T)
15142	CakSNP15142	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82302	(T/A)
15143	CakSNP15143	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82319	(T/C)
15144	CakSNP15144	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82328	(A/G)
15145	CakSNP15145	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82342	(C/T)
15146	CakSNP15146	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82369	(G/A)
15147	CakSNP15147	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82417	(C/T)
15148	CakSNP15148	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	82397	(T/C)
15149	CakSNP15149	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	95823	(G/A)
15150	CakSNP15150	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	99364	(A/G)
15151	CakSNP15151	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	99368	(C/G)
15152	CakSNP15152	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	99549	(C/A)
15153	CakSNP15153	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	104549	(G/C)
15154	CakSNP15154	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	104583	(T/C)
15155	CakSNP15155	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107087	(A/G)
15156	CakSNP15156	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107033	(T/A)
15157	CakSNP15157	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107314	(A/G)
15158	CakSNP15158	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107437	(T/C)
15159	CakSNP15159	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107376	(C/T)
15160	CakSNP15160	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	107413	(A/G)
15161	CakSNP15161	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	108560	(T/G)
15162	CakSNP15162	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	108599	(T/A)
15163	CakSNP15163	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	108763	(T/G)
15164	CakSNP15164	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	117440	(C/T)
15165	CakSNP15165	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	117430	(A/C)
15166	CakSNP15166	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2763</i>	125716	(C/T)
15167	CakSNP15167	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold280</i>	90875	(G/A)
15168	CakSNP15168	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold280</i>	90950	(C/A)
15169	CakSNP15169	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold280</i>	99357	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15170	CakSNP15170	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold280</i>	101752	(G/C)
15171	CakSNP15171	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold280</i>	111160	(C/A)
15172	CakSNP15172	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56649	(C/T)
15173	CakSNP15173	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56658	(G/A)
15174	CakSNP15174	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56672	(C/G)
15175	CakSNP15175	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56702	(G/A)
15176	CakSNP15176	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56714	(G/C)
15177	CakSNP15177	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	56648	(C/G)
15178	CakSNP15178	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	89844	(A/C)
15179	CakSNP15179	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	89940	(C/T)
15180	CakSNP15180	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	89888	(T/A)
15181	CakSNP15181	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2812</i>	89887	(A/T)
15182	CakSNP15182	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2815</i>	25626	(C/G)
15183	CakSNP15183	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2815</i>	25655	(T/G)
15184	CakSNP15184	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2815</i>	25668	(T/G)
15185	CakSNP15185	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	171	(C/T)
15186	CakSNP15186	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	172	(G/A)
15187	CakSNP15187	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	179	(T/G)
15188	CakSNP15188	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	210	(A/G)
15189	CakSNP15189	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	285	(T/G)
15190	CakSNP15190	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	258	(T/C)
15191	CakSNP15191	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	240	(T/G)
15192	CakSNP15192	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2827</i>	222	(C/T)
15193	CakSNP15193	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	242841	(A/T)
15194	CakSNP15194	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	242778	(T/C)
15195	CakSNP15195	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	522764	(T/G)
15196	CakSNP15196	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	613764	(G/A)
15197	CakSNP15197	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	613861	(C/T)
15198	CakSNP15198	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	613850	(C/T)
15199	CakSNP15199	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	613811	(G/A)
15200	CakSNP15200	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	826690	(T/C)
15201	CakSNP15201	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold284</i>	826644	(G/A)
15202	CakSNP15202	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2845</i>	7107	(G/A)
15203	CakSNP15203	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2848</i>	2403	(C/A)
15204	CakSNP15204	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2848</i>	2444	(C/A)
15205	CakSNP15205	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2848</i>	2517	(G/A)
15206	CakSNP15206	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2848</i>	2464	(A/G)
15207	CakSNP15207	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2853</i>	14852	(C/G)
15208	CakSNP15208	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2853</i>	14916	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15209	CakSNP15209	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2853</i>	14917	(G/A)
15210	CakSNP15210	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2853</i>	15100	(T/C)
15211	CakSNP15211	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2853</i>	15086	(G/A)
15212	CakSNP15212	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold287</i>	3224	(G/A)
15213	CakSNP15213	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold287</i>	163600	(G/C)
15214	CakSNP15214	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold287</i>	163591	(C/A)
15215	CakSNP15215	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold287</i>	163576	(G/A)
15216	CakSNP15216	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179998	(T/C)
15217	CakSNP15217	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179993	(C/T)
15218	CakSNP15218	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179984	(G/T)
15219	CakSNP15219	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179940	(G/A)
15220	CakSNP15220	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179937	(C/G)
15221	CakSNP15221	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	179969	(A/T)
15222	CakSNP15222	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	211634	(A/C)
15223	CakSNP15223	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	212536	(A/C)
15224	CakSNP15224	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	212514	(C/T)
15225	CakSNP15225	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	255161	(G/A)
15226	CakSNP15226	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	728010	(T/A)
15227	CakSNP15227	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold290</i>	824906	(C/T)
15228	CakSNP15228	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2907</i>	31202	(G/A)
15229	CakSNP15229	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	32650	(C/T)
15230	CakSNP15230	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	32703	(A/C)
15231	CakSNP15231	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	32739	(C/A)
15232	CakSNP15232	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	32776	(T/A)
15233	CakSNP15233	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	33081	(A/G)
15234	CakSNP15234	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold2950</i>	33207	(C/T)
15235	CakSNP15235	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold296</i>	41422	(T/G)
15236	CakSNP15236	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold296</i>	59691	(G/A)
15237	CakSNP15237	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold296</i>	59758	(A/G)
15238	CakSNP15238	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold296</i>	59883	(A/C)
15239	CakSNP15239	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold296</i>	361664	(T/C)
15240	CakSNP15240	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	199050	(A/T)
15241	CakSNP15241	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	199067	(A/T)
15242	CakSNP15242	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	199068	(G/T)
15243	CakSNP15243	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	199087	(G/A)
15244	CakSNP15244	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	199073	(G/A)
15245	CakSNP15245	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold299</i>	204540	(G/A)
15246	CakSNP15246	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111914	(C/T)
15247	CakSNP15247	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111924	(C/T)

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15248	CakSNP15248	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111926	(G/A)
15249	CakSNP15249	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111933	(C/T)
15250	CakSNP15250	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111936	(C/A)
15251	CakSNP15251	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111972	(A/T)
15252	CakSNP15252	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111973	(A/T)
15253	CakSNP15253	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111976	(C/T)
15254	CakSNP15254	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	112011	(T/C)
15255	CakSNP15255	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	112006	(G/A)
15256	CakSNP15256	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	112005	(G/A)
15257	CakSNP15257	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111959	(C/T)
15258	CakSNP15258	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold300</i>	111964	(C/T)
15259	CakSNP15259	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3016</i>	32790	(C/T)
15260	CakSNP15260	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold303</i>	18213	(G/A)
15261	CakSNP15261	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold305</i>	49263	(G/A)
15262	CakSNP15262	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold305</i>	49266	(T/G)
15263	CakSNP15263	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold305</i>	49278	(C/A)
15264	CakSNP15264	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold305</i>	138929	(G/A)
15265	CakSNP15265	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold306</i>	15514	(C/T)
15266	CakSNP15266	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold306</i>	19215	(C/A)
15267	CakSNP15267	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold306</i>	85993	(T/A)
15268	CakSNP15268	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold306</i>	88389	(T/A)
15269	CakSNP15269	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3084</i>	4409	(G/A)
15270	CakSNP15270	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	9421	(G/A)
15271	CakSNP15271	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	143696	(C/G)
15272	CakSNP15272	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	143813	(C/G)
15273	CakSNP15273	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	144354	(C/T)
15274	CakSNP15274	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	144508	(C/T)
15275	CakSNP15275	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	145639	(G/T)
15276	CakSNP15276	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	152546	(A/G)
15277	CakSNP15277	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold308_2</i>	152576	(G/T)
15278	CakSNP15278	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold311</i>	86652	(C/A)
15279	CakSNP15279	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold311</i>	86677	(C/T)
15280	CakSNP15280	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold311</i>	86658	(C/T)
15281	CakSNP15281	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold311</i>	86670	(G/A)
15282	CakSNP15282	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3116</i>	159	(T/G)
15283	CakSNP15283	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	432453	(T/C)
15284	CakSNP15284	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	432471	(A/G)
15285	CakSNP15285	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	535269	(A/C)
15286	CakSNP15286	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	535266	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15287	CakSNP15287	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	535263	(T/C)
15288	CakSNP15288	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	610535	(C/G)
15289	CakSNP15289	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold314</i>	624361	(C/T)
15290	CakSNP15290	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7438	(A/C)
15291	CakSNP15291	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7442	(T/C)
15292	CakSNP15292	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7443	(A/G)
15293	CakSNP15293	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7444	(A/G)
15294	CakSNP15294	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7455	(T/G)
15295	CakSNP15295	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7462	(A/G)
15296	CakSNP15296	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7464	(T/A)
15297	CakSNP15297	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7472	(A/G)
15298	CakSNP15298	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7477	(C/G)
15299	CakSNP15299	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	7480	(G/A)
15300	CakSNP15300	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	9404	(C/T)
15301	CakSNP15301	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3155</i>	9746	(A/T)
15302	CakSNP15302	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3170</i>	56261	(A/G)
15303	CakSNP15303	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold322</i>	55475	(G/A)
15304	CakSNP15304	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold322</i>	55479	(G/T)
15305	CakSNP15305	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold322</i>	55589	(A/T)
15306	CakSNP15306	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3228</i>	2926	(C/T)
15307	CakSNP15307	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3228</i>	23138	(A/G)
15308	CakSNP15308	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3228</i>	23190	(G/C)
15309	CakSNP15309	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3228</i>	23315	(C/A)
15310	CakSNP15310	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3228</i>	23270	(A/C)
15311	CakSNP15311	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15569	(A/C)
15312	CakSNP15312	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15574	(G/A)
15313	CakSNP15313	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15575	(G/C)
15314	CakSNP15314	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15581	(G/C)
15315	CakSNP15315	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15590	(G/T)
15316	CakSNP15316	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15593	(G/A)
15317	CakSNP15317	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15594	(C/A)
15318	CakSNP15318	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15614	(C/T)
15319	CakSNP15319	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15619	(A/G)
15320	CakSNP15320	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold324</i>	15636	(G/A)
15321	CakSNP15321	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	15616	(A/G)
15322	CakSNP15322	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	28089	(T/C)
15323	CakSNP15323	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31210	(T/A)
15324	CakSNP15324	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31217	(C/T)
15325	CakSNP15325	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31219	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15326	CakSNP15326	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31224	(T/G)
15327	CakSNP15327	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31229	(G/T)
15328	CakSNP15328	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31242	(C/A)
15329	CakSNP15329	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31344	(A/G)
15330	CakSNP15330	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31325	(T/A)
15331	CakSNP15331	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31322	(G/A)
15332	CakSNP15332	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31311	(G/A)
15333	CakSNP15333	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	31303	(T/C)
15334	CakSNP15334	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	39157	(T/A)
15335	CakSNP15335	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	46644	(G/A)
15336	CakSNP15336	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	186218	(G/A)
15337	CakSNP15337	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	186203	(C/G)
15338	CakSNP15338	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3254_2</i>	186243	(A/C)
15339	CakSNP15339	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3284</i>	2735	(T/C)
15340	CakSNP15340	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold332</i>	203691	(T/A)
15341	CakSNP15341	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold332</i>	204783	(A/G)
15342	CakSNP15342	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold332</i>	204785	(G/A)
15343	CakSNP15343	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold332</i>	204952	(G/A)
15344	CakSNP15344	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3321</i>	17935	(C/A)
15345	CakSNP15345	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	17963	(C/T)
15346	CakSNP15346	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	17999	(T/G)
15347	CakSNP15347	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	18022	(C/T)
15348	CakSNP15348	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	18026	(T/A)
15349	CakSNP15349	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	17959	(A/G)
15350	CakSNP15350	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3337</i>	17956	(G/A)
15351	CakSNP15351	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold334</i>	43160	(G/A)
15352	CakSNP15352	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60951	(T/C)
15353	CakSNP15353	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60952	(T/C)
15354	CakSNP15354	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60956	(T/C)
15355	CakSNP15355	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60957	(T/C)
15356	CakSNP15356	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60960	(T/C)
15357	CakSNP15357	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60961	(C/T)
15358	CakSNP15358	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60962	(T/G)
15359	CakSNP15359	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	60906	(T/G)
15360	CakSNP15360	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	135942	(T/A)
15361	CakSNP15361	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136017	(C/G)
15362	CakSNP15362	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	135969	(C/T)
15363	CakSNP15363	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	135976	(C/T)
15364	CakSNP15364	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136077	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15365	CakSNP15365	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136076	(G/C)
15366	CakSNP15366	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136073	(G/A)
15367	CakSNP15367	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136051	(T/A)
15368	CakSNP15368	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136030	(G/A)
15369	CakSNP15369	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136129	(T/C)
15370	CakSNP15370	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136109	(G/T)
15371	CakSNP15371	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136106	(G/A)
15372	CakSNP15372	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136096	(T/C)
15373	CakSNP15373	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold335</i>	136091	(G/A)
15374	CakSNP15374	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold336</i>	468863	(T/A)
15375	CakSNP15375	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold336</i>	563363	(C/T)
15376	CakSNP15376	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold336</i>	618427	(C/T)
15377	CakSNP15377	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold336</i>	771169	(C/T)
15378	CakSNP15378	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold336</i>	771175	(C/T)
15379	CakSNP15379	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3362</i>	69878	(C/A)
15380	CakSNP15380	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold338</i>	14666	(T/G)
15381	CakSNP15381	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3397</i>	45363	(T/C)
15382	CakSNP15382	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold342</i>	311411	(G/A)
15383	CakSNP15383	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold342</i>	311394	(A/C)
15384	CakSNP15384	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold342</i>	359376	(A/C)
15385	CakSNP15385	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3422</i>	13376	(T/A)
15386	CakSNP15386	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold346_1</i>	67110	(G/T)
15387	CakSNP15387	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold346_1</i>	105461	(A/G)
15388	CakSNP15388	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold346_1</i>	105521	(A/C)
15389	CakSNP15389	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold346_1</i>	105523	(G/A)
15390	CakSNP15390	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold346_1</i>	105546	(C/T)
15391	CakSNP15391	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51381	(A/T)
15392	CakSNP15392	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51396	(G/A)
15393	CakSNP15393	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51414	(C/T)
15394	CakSNP15394	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51435	(C/T)
15395	CakSNP15395	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51548	(T/C)
15396	CakSNP15396	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51637	(T/A)
15397	CakSNP15397	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	51624	(G/A)
15398	CakSNP15398	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	174027	(G/C)
15399	CakSNP15399	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold349</i>	174039	(A/T)
15400	CakSNP15400	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42134	(G/A)
15401	CakSNP15401	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42135	(G/T)
15402	CakSNP15402	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42156	(G/A)
15403	CakSNP15403	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42163	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15404	CakSNP15404	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42164	(A/G)
15405	CakSNP15405	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3514</i>	42175	(G/A)
15406	CakSNP15406	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22672	(C/T)
15407	CakSNP15407	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22675	(G/A)
15408	CakSNP15408	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22693	(C/T)
15409	CakSNP15409	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22708	(A/G)
15410	CakSNP15410	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22787	(A/G)
15411	CakSNP15411	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22777	(T/G)
15412	CakSNP15412	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold352</i>	22726	(A/C)
15413	CakSNP15413	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold36</i>	167556	(C/T)
15414	CakSNP15414	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold36</i>	226511	(A/G)
15415	CakSNP15415	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84943	(A/G)
15416	CakSNP15416	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84945	(T/C)
15417	CakSNP15417	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84954	(T/C)
15418	CakSNP15418	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84972	(C/A)
15419	CakSNP15419	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84988	(T/G)
15420	CakSNP15420	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	84994	(G/A)
15421	CakSNP15421	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	164620	(C/T)
15422	CakSNP15422	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	164789	(T/C)
15423	CakSNP15423	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	164787	(C/T)
15424	CakSNP15424	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	196556	(G/A)
15425	CakSNP15425	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold362</i>	219176	(T/C)
15426	CakSNP15426	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold366</i>	61810	(C/T)
15427	CakSNP15427	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold369</i>	162735	(T/G)
15428	CakSNP15428	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3693</i>	81068	(C/T)
15429	CakSNP15429	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3693</i>	81080	(C/A)
15430	CakSNP15430	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3693</i>	81204	(C/T)
15431	CakSNP15431	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3724</i>	68378	(G/A)
15432	CakSNP15432	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132907	(A/C)
15433	CakSNP15433	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132896	(T/C)
15434	CakSNP15434	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132873	(A/G)
15435	CakSNP15435	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132859	(C/T)
15436	CakSNP15436	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132858	(G/A)
15437	CakSNP15437	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132849	(A/C)
15438	CakSNP15438	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	132843	(C/T)
15439	CakSNP15439	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold374</i>	198368	(T/C)
15440	CakSNP15440	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold377</i>	393535	(G/T)
15441	CakSNP15441	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold377</i>	393538	(G/A)
15442	CakSNP15442	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	69075	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15443	CakSNP15443	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	144442	(G/A)
15444	CakSNP15444	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	177306	(T/C)
15445	CakSNP15445	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	177354	(G/A)
15446	CakSNP15446	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	177340	(C/T)
15447	CakSNP15447	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	227608	(A/T)
15448	CakSNP15448	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	227604	(C/A)
15449	CakSNP15449	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold379</i>	227597	(T/A)
15450	CakSNP15450	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	69499	(A/G)
15451	CakSNP15451	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	413691	(G/A)
15452	CakSNP15452	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	413713	(A/C)
15453	CakSNP15453	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	413719	(G/A)
15454	CakSNP15454	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	457392	(C/A)
15455	CakSNP15455	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	457596	(T/A)
15456	CakSNP15456	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	520372	(T/G)
15457	CakSNP15457	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	520311	(G/A)
15458	CakSNP15458	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	520377	(T/C)
15459	CakSNP15459	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	537059	(A/T)
15460	CakSNP15460	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold38</i>	537063	(C/T)
15461	CakSNP15461	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3819</i>	450	(T/A)
15462	CakSNP15462	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold382</i>	36686	(A/T)
15463	CakSNP15463	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold382</i>	36703	(A/T)
15464	CakSNP15464	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold382</i>	36704	(G/T)
15465	CakSNP15465	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold382</i>	36709	(G/A)
15466	CakSNP15466	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold382</i>	36674	(G/A)
15467	CakSNP15467	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3824</i>	26207	(G/A)
15468	CakSNP15468	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3824</i>	26267	(G/A)
15469	CakSNP15469	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3824</i>	26327	(G/A)
15470	CakSNP15470	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3824</i>	26387	(G/A)
15471	CakSNP15471	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3865</i>	12265	(T/A)
15472	CakSNP15472	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3865</i>	65093	(T/C)
15473	CakSNP15473	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3865</i>	65127	(C/A)
15474	CakSNP15474	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3865</i>	65129	(T/A)
15475	CakSNP15475	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold387</i>	3263	(G/A)
15476	CakSNP15476	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold387</i>	3219	(C/A)
15477	CakSNP15477	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold387</i>	3309	(T/C)
15478	CakSNP15478	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold387</i>	3316	(G/A)
15479	CakSNP15479	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	3367	(G/A)
15480	CakSNP15480	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	3371	(G/A)
15481	CakSNP15481	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	3880	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15482	CakSNP15482	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	3879	(T/C)
15483	CakSNP15483	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	7260	(T/A)
15484	CakSNP15484	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	13468	(C/T)
15485	CakSNP15485	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	13440	(C/T)
15486	CakSNP15486	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	13892	(C/G)
15487	CakSNP15487	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	18891	(A/T)
15488	CakSNP15488	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	18892	(G/C)
15489	CakSNP15489	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	19359	(G/A)
15490	CakSNP15490	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	19366	(G/T)
15491	CakSNP15491	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	19367	(A/T)
15492	CakSNP15492	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold3945</i>	19368	(A/C)
15493	CakSNP15493	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130566	(T/C)
15494	CakSNP15494	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130671	(A/G)
15495	CakSNP15495	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130639	(C/A)
15496	CakSNP15496	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130636	(G/A)
15497	CakSNP15497	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130635	(G/T)
15498	CakSNP15498	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130624	(A/G)
15499	CakSNP15499	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	130621	(C/A)
15500	CakSNP15500	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	195890	(A/G)
15501	CakSNP15501	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold396</i>	297325	(G/C)
15502	CakSNP15502	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold398</i>	246956	(C/T)
15503	CakSNP15503	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold398</i>	247004	(C/T)
15504	CakSNP15504	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold398</i>	441570	(C/T)
15505	CakSNP15505	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold398</i>	441605	(C/A)
15506	CakSNP15506	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	386189	(A/C)
15507	CakSNP15507	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	497729	(T/C)
15508	CakSNP15508	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	542951	(C/G)
15509	CakSNP15509	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	548453	(A/G)
15510	CakSNP15510	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	636910	(C/T)
15511	CakSNP15511	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	691226	(C/G)
15512	CakSNP15512	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	871303	(A/C)
15513	CakSNP15513	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	911602	(T/G)
15514	CakSNP15514	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	968798	(G/A)
15515	CakSNP15515	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	996604	(T/C)
15516	CakSNP15516	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1014875	(G/A)
15517	CakSNP15517	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1014834	(T/A)
15518	CakSNP15518	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1014826	(C/T)
15519	CakSNP15519	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1014805	(C/T)
15520	CakSNP15520	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1039218	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15521	CakSNP15521	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1039233	(A/T)
15522	CakSNP15522	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1049594	(G/A)
15523	CakSNP15523	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1050111	(C/T)
15524	CakSNP15524	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1050164	(C/T)
15525	CakSNP15525	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1050255	(T/C)
15526	CakSNP15526	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1050175	(G/C)
15527	CakSNP15527	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1052597	(T/C)
15528	CakSNP15528	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1052983	(G/A)
15529	CakSNP15529	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold40</i>	1053215	(G/A)
15530	CakSNP15530	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold401</i>	49065	(G/A)
15531	CakSNP15531	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	93334	(T/C)
15532	CakSNP15532	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	93347	(C/T)
15533	CakSNP15533	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	96223	(G/C)
15534	CakSNP15534	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	97602	(T/C)
15535	CakSNP15535	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	130271	(G/A)
15536	CakSNP15536	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4011</i>	130213	(G/A)
15537	CakSNP15537	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	273203	(C/A)
15538	CakSNP15538	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	273209	(C/A)
15539	CakSNP15539	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	273220	(G/A)
15540	CakSNP15540	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	273245	(C/T)
15541	CakSNP15541	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	285941	(G/A)
15542	CakSNP15542	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	285952	(T/C)
15543	CakSNP15543	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	285958	(C/G)
15544	CakSNP15544	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	285987	(G/A)
15545	CakSNP15545	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	285999	(T/G)
15546	CakSNP15546	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	286013	(T/A)
15547	CakSNP15547	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold404</i>	355859	(G/A)
15548	CakSNP15548	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4057</i>	16503	(C/G)
15549	CakSNP15549	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold41</i>	14657	(C/A)
15550	CakSNP15550	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold41</i>	122583	(G/C)
15551	CakSNP15551	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4102</i>	1035	(C/G)
15552	CakSNP15552	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4102</i>	1136	(A/G)
15553	CakSNP15553	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4102</i>	1160	(T/C)
15554	CakSNP15554	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4102</i>	1163	(G/T)
15555	CakSNP15555	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4102</i>	1346	(C/T)
15556	CakSNP15556	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	60078	(C/T)
15557	CakSNP15557	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323122	(T/C)
15558	CakSNP15558	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323140	(T/C)
15559	CakSNP15559	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323141	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15560	CakSNP15560	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323147	(T/C)
15561	CakSNP15561	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323161	(G/A)
15562	CakSNP15562	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323162	(T/C)
15563	CakSNP15563	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323167	(C/G)
15564	CakSNP15564	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323179	(T/G)
15565	CakSNP15565	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323114	(C/G)
15566	CakSNP15566	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold411</i>	323215	(T/C)
15567	CakSNP15567	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold415</i>	8479	(A/C)
15568	CakSNP15568	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold415</i>	8529	(G/A)
15569	CakSNP15569	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	6092	(C/G)
15570	CakSNP15570	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	6094	(T/G)
15571	CakSNP15571	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	13769	(T/G)
15572	CakSNP15572	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	13804	(T/G)
15573	CakSNP15573	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	13808	(A/G)
15574	CakSNP15574	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	13811	(G/A)
15575	CakSNP15575	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	13812	(C/A)
15576	CakSNP15576	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	151140	(G/T)
15577	CakSNP15577	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	151205	(C/T)
15578	CakSNP15578	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold418</i>	151256	(G/A)
15579	CakSNP15579	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold419</i>	73537	(T/G)
15580	CakSNP15580	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	34145	(T/G)
15581	CakSNP15581	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	42532	(G/A)
15582	CakSNP15582	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	42739	(C/T)
15583	CakSNP15583	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	42811	(C/T)
15584	CakSNP15584	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	42877	(T/C)
15585	CakSNP15585	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	43372	(C/T)
15586	CakSNP15586	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92756	(C/T)
15587	CakSNP15587	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92759	(A/G)
15588	CakSNP15588	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92784	(C/T)
15589	CakSNP15589	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92813	(G/T)
15590	CakSNP15590	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92865	(G/T)
15591	CakSNP15591	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92846	(C/T)
15592	CakSNP15592	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	92801	(A/C)
15593	CakSNP15593	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	149744	(C/G)
15594	CakSNP15594	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	242536	(G/T)
15595	CakSNP15595	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	242503	(C/T)
15596	CakSNP15596	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	242487	(A/G)
15597	CakSNP15597	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	242922	(A/C)
15598	CakSNP15598	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	254661	(T/G)

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15599	CakSNP15599	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	341146	(T/A)
15600	CakSNP15600	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	341184	(A/G)
15601	CakSNP15601	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	341202	(T/G)
15602	CakSNP15602	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold420</i>	341206	(G/A)
15603	CakSNP15603	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_1</i>	25389	(G/A)
15604	CakSNP15604	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_1</i>	71804	(A/G)
15605	CakSNP15605	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_1</i>	71770	(G/T)
15606	CakSNP15606	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	142859	(G/C)
15607	CakSNP15607	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	341095	(C/A)
15608	CakSNP15608	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	341136	(C/A)
15609	CakSNP15609	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	446961	(G/A)
15610	CakSNP15610	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	446976	(C/A)
15611	CakSNP15611	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold421_2</i>	446979	(C/T)
15612	CakSNP15612	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold424</i>	32402	(C/G)
15613	CakSNP15613	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4331</i>	4044	(T/G)
15614	CakSNP15614	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold44</i>	66309	(A/C)
15615	CakSNP15615	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold44</i>	66280	(G/A)
15616	CakSNP15616	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold44</i>	87412	(G/A)
15617	CakSNP15617	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4414</i>	276	(C/T)
15618	CakSNP15618	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	20003	(G/A)
15619	CakSNP15619	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	20005	(G/A)
15620	CakSNP15620	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	20038	(A/G)
15621	CakSNP15621	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	20010	(G/A)
15622	CakSNP15622	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	29414	(G/T)
15623	CakSNP15623	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	36715	(A/T)
15624	CakSNP15624	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	69950	(A/C)
15625	CakSNP15625	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4452</i>	70041	(T/C)
15626	CakSNP15626	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	132367	(C/T)
15627	CakSNP15627	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	132427	(A/T)
15628	CakSNP15628	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	197287	(G/A)
15629	CakSNP15629	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	197272	(G/A)
15630	CakSNP15630	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	197262	(T/G)
15631	CakSNP15631	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	197230	(C/A)
15632	CakSNP15632	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	197226	(G/A)
15633	CakSNP15633	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold450</i>	250303	(G/T)
15634	CakSNP15634	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold451</i>	103555	(G/C)
15635	CakSNP15635	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold451</i>	103596	(A/G)
15636	CakSNP15636	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold451</i>	117231	(A/G)
15637	CakSNP15637	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold451</i>	117300	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15638	CakSNP15638	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4511</i>	40072	(C/A)
15639	CakSNP15639	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4511</i>	40014	(C/T)
15640	CakSNP15640	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4511</i>	40089	(C/T)
15641	CakSNP15641	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1892	(G/A)
15642	CakSNP15642	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1881	(A/G)
15643	CakSNP15643	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1841	(A/G)
15644	CakSNP15644	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1837	(A/C)
15645	CakSNP15645	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1836	(A/G)
15646	CakSNP15646	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold452</i>	1835	(C/T)
15647	CakSNP15647	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold453</i>	303193	(T/C)
15648	CakSNP15648	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold453</i>	303201	(G/C)
15649	CakSNP15649	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold453</i>	303246	(A/G)
15650	CakSNP15650	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold453</i>	303248	(C/T)
15651	CakSNP15651	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold453</i>	303259	(C/G)
15652	CakSNP15652	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold46</i>	39438	(C/A)
15653	CakSNP15653	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold46</i>	39470	(C/T)
15654	CakSNP15654	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold461</i>	20652	(C/A)
15655	CakSNP15655	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold461</i>	20629	(A/T)
15656	CakSNP15656	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold461</i>	20603	(C/T)
15657	CakSNP15657	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold461</i>	20599	(C/A)
15658	CakSNP15658	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4620</i>	2699	(T/C)
15659	CakSNP15659	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4620</i>	23442	(T/C)
15660	CakSNP15660	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4641</i>	511	(G/A)
15661	CakSNP15661	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4641</i>	547	(A/C)
15662	CakSNP15662	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4641</i>	553	(C/A)
15663	CakSNP15663	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4641</i>	556	(G/C)
15664	CakSNP15664	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4662</i>	7683	(T/C)
15665	CakSNP15665	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4662</i>	7651	(T/C)
15666	CakSNP15666	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4662</i>	7638	(C/T)
15667	CakSNP15667	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4662</i>	7632	(A/G)
15668	CakSNP15668	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4695</i>	5685	(A/G)
15669	CakSNP15669	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold470</i>	7175	(A/G)
15670	CakSNP15670	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold473</i>	24996	(G/A)
15671	CakSNP15671	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold473</i>	24984	(T/C)
15672	CakSNP15672	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold473</i>	24973	(T/C)
15673	CakSNP15673	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold475</i>	135286	(C/A)
15674	CakSNP15674	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold475</i>	135290	(G/A)
15675	CakSNP15675	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold477</i>	51898	(C/T)
15676	CakSNP15676	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold4777</i>	10546	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15677	CakSNP15677	Kabuli	Ca_Kabuli_Scaffold4777	16224	(A/T)
15678	CakSNP15678	Kabuli	Ca_Kabuli_Scaffold4777	16239	(G/T)
15679	CakSNP15679	Kabuli	Ca_Kabuli_Scaffold4777	55347	(G/T)
15680	CakSNP15680	Kabuli	Ca_Kabuli_Scaffold4777	72624	(G/A)
15681	CakSNP15681	Kabuli	Ca_Kabuli_Scaffold4777	76950	(C/A)
15682	CakSNP15682	Kabuli	Ca_Kabuli_Scaffold4777	106820	(A/G)
15683	CakSNP15683	Kabuli	Ca_Kabuli_Scaffold4777	112193	(A/C)
15684	CakSNP15684	Kabuli	Ca_Kabuli_Scaffold48	261719	(A/G)
15685	CakSNP15685	Kabuli	Ca_Kabuli_Scaffold48	420925	(A/G)
15686	CakSNP15686	Kabuli	Ca_Kabuli_Scaffold480	67375	(T/C)
15687	CakSNP15687	Kabuli	Ca_Kabuli_Scaffold4836	5866	(T/A)
15688	CakSNP15688	Kabuli	Ca_Kabuli_Scaffold4836	5891	(A/T)
15689	CakSNP15689	Kabuli	Ca_Kabuli_Scaffold4836	5909	(G/A)
15690	CakSNP15690	Kabuli	Ca_Kabuli_Scaffold4836	5846	(C/T)
15691	CakSNP15691	Kabuli	Ca_Kabuli_Scaffold484	203947	(C/T)
15692	CakSNP15692	Kabuli	Ca_Kabuli_Scaffold484	209786	(A/C)
15693	CakSNP15693	Kabuli	Ca_Kabuli_Scaffold484	243567	(C/T)
15694	CakSNP15694	Kabuli	Ca_Kabuli_Scaffold484	243575	(T/A)
15695	CakSNP15695	Kabuli	Ca_Kabuli_Scaffold484	647868	(C/T)
15696	CakSNP15696	Kabuli	Ca_Kabuli_Scaffold484	647866	(A/G)
15697	CakSNP15697	Kabuli	Ca_Kabuli_Scaffold484	647809	(A/T)
15698	CakSNP15698	Kabuli	Ca_Kabuli_Scaffold484	660749	(C/G)
15699	CakSNP15699	Kabuli	Ca_Kabuli_Scaffold485	103572	(C/T)
15700	CakSNP15700	Kabuli	Ca_Kabuli_Scaffold485	103546	(A/G)
15701	CakSNP15701	Kabuli	Ca_Kabuli_Scaffold485	103528	(A/C)
15702	CakSNP15702	Kabuli	Ca_Kabuli_Scaffold485	123578	(T/C)
15703	CakSNP15703	Kabuli	Ca_Kabuli_Scaffold485	123642	(G/A)
15704	CakSNP15704	Kabuli	Ca_Kabuli_Scaffold495	128200	(A/T)
15705	CakSNP15705	Kabuli	Ca_Kabuli_Scaffold496	53652	(G/A)
15706	CakSNP15706	Kabuli	Ca_Kabuli_Scaffold496	53657	(A/T)
15707	CakSNP15707	Kabuli	Ca_Kabuli_Scaffold496	53616	(G/T)
15708	CakSNP15708	Kabuli	Ca_Kabuli_Scaffold496	53587	(A/G)
15709	CakSNP15709	Kabuli	Ca_Kabuli_Scaffold496	175429	(G/A)
15710	CakSNP15710	Kabuli	Ca_Kabuli_Scaffold496	175493	(G/A)
15711	CakSNP15711	Kabuli	Ca_Kabuli_Scaffold498	146772	(A/C)
15712	CakSNP15712	Kabuli	Ca_Kabuli_Scaffold498	148658	(G/T)
15713	CakSNP15713	Kabuli	Ca_Kabuli_Scaffold498	164638	(T/C)
15714	CakSNP15714	Kabuli	Ca_Kabuli_Scaffold498	164615	(G/C)
15715	CakSNP15715	Kabuli	Ca_Kabuli_Scaffold498	164590	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15716	CakSNP15716	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	153593	(T/A)
15717	CakSNP15717	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	153599	(C/G)
15718	CakSNP15718	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	153631	(C/T)
15719	CakSNP15719	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	153734	(A/C)
15720	CakSNP15720	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	153851	(T/C)
15721	CakSNP15721	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	191625	(T/C)
15722	CakSNP15722	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	201219	(C/G)
15723	CakSNP15723	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold50</i>	448866	(G/A)
15724	CakSNP15724	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold510</i>	12378	(T/A)
15725	CakSNP15725	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold510</i>	12383	(G/T)
15726	CakSNP15726	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold510</i>	12394	(C/A)
15727	CakSNP15727	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold510</i>	12414	(C/T)
15728	CakSNP15728	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold510</i>	12434	(C/T)
15729	CakSNP15729	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold511</i>	10450	(T/G)
15730	CakSNP15730	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold511</i>	10520	(G/T)
15731	CakSNP15731	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold511</i>	173376	(C/A)
15732	CakSNP15732	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold511</i>	173377	(A/G)
15733	CakSNP15733	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold511</i>	173378	(G/A)
15734	CakSNP15734	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold513</i>	7188	(A/C)
15735	CakSNP15735	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5163</i>	2301	(A/G)
15736	CakSNP15736	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5185</i>	1091	(G/A)
15737	CakSNP15737	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143359	(C/T)
15738	CakSNP15738	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143358	(G/A)
15739	CakSNP15739	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143356	(C/G)
15740	CakSNP15740	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143342	(G/A)
15741	CakSNP15741	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143336	(T/C)
15742	CakSNP15742	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143334	(G/A)
15743	CakSNP15743	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143333	(A/T)
15744	CakSNP15744	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143324	(G/A)
15745	CakSNP15745	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143317	(T/A)
15746	CakSNP15746	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143300	(G/A)
15747	CakSNP15747	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143294	(G/A)
15748	CakSNP15748	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143291	(G/A)
15749	CakSNP15749	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143375	(G/A)
15750	CakSNP15750	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143372	(G/A)
15751	CakSNP15751	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143355	(C/T)
15752	CakSNP15752	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143390	(A/G)
15753	CakSNP15753	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold520</i>	143391	(A/C)
15754	CakSNP15754	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold528</i>	191764	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15755	CakSNP15755	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold528</i>	191835	(A/G)
15756	CakSNP15756	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold528</i>	232014	(A/C)
15757	CakSNP15757	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold53</i>	49273	(A/G)
15758	CakSNP15758	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold53</i>	123293	(C/A)
15759	CakSNP15759	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold531</i>	2668	(C/T)
15760	CakSNP15760	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold531</i>	2674	(C/T)
15761	CakSNP15761	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold531</i>	65242	(T/G)
15762	CakSNP15762	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold531</i>	101520	(C/G)
15763	CakSNP15763	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold531</i>	124019	(T/G)
15764	CakSNP15764	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5328</i>	70	(G/A)
15765	CakSNP15765	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5328</i>	85	(C/T)
15766	CakSNP15766	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5328</i>	86	(C/T)
15767	CakSNP15767	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5328</i>	117	(C/T)
15768	CakSNP15768	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold535</i>	156836	(G/A)
15769	CakSNP15769	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5358</i>	2561	(C/A)
15770	CakSNP15770	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5358</i>	3329	(C/A)
15771	CakSNP15771	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	216656	(A/G)
15772	CakSNP15772	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	216669	(T/A)
15773	CakSNP15773	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	216846	(C/T)
15774	CakSNP15774	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	216829	(C/G)
15775	CakSNP15775	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	216778	(T/A)
15776	CakSNP15776	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold537</i>	223108	(T/C)
15777	CakSNP15777	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	20780	(T/G)
15778	CakSNP15778	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	20819	(T/C)
15779	CakSNP15779	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	20827	(G/T)
15780	CakSNP15780	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	143169	(C/T)
15781	CakSNP15781	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	143182	(G/A)
15782	CakSNP15782	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	143185	(A/G)
15783	CakSNP15783	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	143191	(G/A)
15784	CakSNP15784	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	266748	(A/C)
15785	CakSNP15785	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	266729	(A/C)
15786	CakSNP15786	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold543</i>	266848	(A/C)
15787	CakSNP15787	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	17699	(A/C)
15788	CakSNP15788	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	138848	(T/C)
15789	CakSNP15789	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	139118	(A/T)
15790	CakSNP15790	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	146720	(A/G)
15791	CakSNP15791	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	147549	(G/A)
15792	CakSNP15792	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	147568	(T/G)
15793	CakSNP15793	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	226799	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15794	CakSNP15794	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold545</i>	226769	(G/C)
15795	CakSNP15795	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold548</i>	17462	(G/A)
15796	CakSNP15796	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold548</i>	231396	(G/A)
15797	CakSNP15797	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold548</i>	231338	(G/A)
15798	CakSNP15798	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	353	(G/A)
15799	CakSNP15799	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	361	(G/A)
15800	CakSNP15800	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	366	(G/A)
15801	CakSNP15801	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	376	(C/T)
15802	CakSNP15802	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	387	(T/C)
15803	CakSNP15803	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	388	(G/A)
15804	CakSNP15804	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	365	(T/G)
15805	CakSNP15805	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	396	(G/A)
15806	CakSNP15806	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	458	(G/A)
15807	CakSNP15807	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	447	(A/C)
15808	CakSNP15808	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	434	(C/T)
15809	CakSNP15809	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5511</i>	404	(T/G)
15810	CakSNP15810	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	302105	(T/C)
15811	CakSNP15811	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	302098	(T/C)
15812	CakSNP15812	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	310715	(A/G)
15813	CakSNP15813	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	310759	(T/A)
15814	CakSNP15814	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	402702	(T/C)
15815	CakSNP15815	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	441845	(T/C)
15816	CakSNP15816	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	441881	(T/C)
15817	CakSNP15817	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	441898	(G/A)
15818	CakSNP15818	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	550789	(G/C)
15819	CakSNP15819	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	607503	(G/T)
15820	CakSNP15820	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	607572	(T/C)
15821	CakSNP15821	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	794383	(A/G)
15822	CakSNP15822	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	794404	(G/A)
15823	CakSNP15823	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	794431	(T/C)
15824	CakSNP15824	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold553</i>	794439	(G/T)
15825	CakSNP15825	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold561</i>	46046	(T/G)
15826	CakSNP15826	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold561</i>	49174	(G/A)
15827	CakSNP15827	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold561</i>	95414	(A/C)
15828	CakSNP15828	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold561</i>	95386	(G/A)
15829	CakSNP15829	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221706	(T/C)
15830	CakSNP15830	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221696	(T/G)
15831	CakSNP15831	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221686	(C/A)
15832	CakSNP15832	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221713	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15833	CakSNP15833	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221714	(C/T)
15834	CakSNP15834	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221735	(G/A)
15835	CakSNP15835	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221795	(C/T)
15836	CakSNP15836	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221748	(C/A)
15837	CakSNP15837	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221758	(G/A)
15838	CakSNP15838	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221769	(T/A)
15839	CakSNP15839	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221778	(G/A)
15840	CakSNP15840	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221779	(G/A)
15841	CakSNP15841	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221788	(G/A)
15842	CakSNP15842	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221828	(T/A)
15843	CakSNP15843	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	221792	(C/A)
15844	CakSNP15844	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	255362	(G/A)
15845	CakSNP15845	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	255295	(G/A)
15846	CakSNP15846	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	289080	(C/A)
15847	CakSNP15847	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold562</i>	290071	(C/T)
15848	CakSNP15848	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5714</i>	24882	(A/C)
15849	CakSNP15849	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5714</i>	36359	(G/C)
15850	CakSNP15850	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5730</i>	239	(G/A)
15851	CakSNP15851	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5730</i>	192	(A/G)
15852	CakSNP15852	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5730</i>	227	(G/A)
15853	CakSNP15853	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	36084	(T/C)
15854	CakSNP15854	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	36135	(T/C)
15855	CakSNP15855	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	36238	(C/T)
15856	CakSNP15856	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45254	(C/T)
15857	CakSNP15857	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45250	(T/C)
15858	CakSNP15858	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45239	(G/T)
15859	CakSNP15859	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45236	(G/A)
15860	CakSNP15860	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45233	(G/A)
15861	CakSNP15861	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45215	(C/A)
15862	CakSNP15862	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45192	(C/T)
15863	CakSNP15863	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45279	(G/C)
15864	CakSNP15864	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45245	(G/A)
15865	CakSNP15865	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45237	(C/T)
15866	CakSNP15866	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	45234	(C/T)
15867	CakSNP15867	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	110772	(G/T)
15868	CakSNP15868	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	110785	(C/T)
15869	CakSNP15869	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	110765	(C/T)
15870	CakSNP15870	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	110759	(C/T)
15871	CakSNP15871	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	110753	(G/A)

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15872	CakSNP15872	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold575</i>	117287	(T/G)
15873	CakSNP15873	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5792</i>	65166	(A/C)
15874	CakSNP15874	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5792</i>	86779	(C/A)
15875	CakSNP15875	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5792</i>	86716	(T/C)
15876	CakSNP15876	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold584</i>	53203	(G/T)
15877	CakSNP15877	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold589</i>	72891	(T/G)
15878	CakSNP15878	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold590</i>	88429	(A/T)
15879	CakSNP15879	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold590</i>	88420	(T/C)
15880	CakSNP15880	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold598</i>	300825	(A/C)
15881	CakSNP15881	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold598</i>	300940	(C/T)
15882	CakSNP15882	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold598</i>	404254	(G/C)
15883	CakSNP15883	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold598</i>	404275	(G/T)
15884	CakSNP15884	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold599</i>	349605	(T/G)
15885	CakSNP15885	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5997</i>	742	(G/C)
15886	CakSNP15886	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold5997</i>	679	(C/T)
15887	CakSNP15887	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold601</i>	55483	(A/G)
15888	CakSNP15888	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold601</i>	71998	(T/A)
15889	CakSNP15889	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23769	(A/C)
15890	CakSNP15890	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23773	(T/C)
15891	CakSNP15891	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23774	(A/G)
15892	CakSNP15892	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23775	(A/G)
15893	CakSNP15893	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23793	(A/G)
15894	CakSNP15894	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23795	(T/A)
15895	CakSNP15895	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23803	(A/G)
15896	CakSNP15896	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23808	(C/G)
15897	CakSNP15897	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23811	(G/A)
15898	CakSNP15898	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	23816	(T/A)
15899	CakSNP15899	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84761	(A/C)
15900	CakSNP15900	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84765	(T/C)
15901	CakSNP15901	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84766	(A/G)
15902	CakSNP15902	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84767	(A/G)
15903	CakSNP15903	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84785	(A/G)
15904	CakSNP15904	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84787	(T/A)
15905	CakSNP15905	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84795	(A/G)
15906	CakSNP15906	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84800	(C/G)
15907	CakSNP15907	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84803	(G/A)
15908	CakSNP15908	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold605</i>	84807	(A/G)
15909	CakSNP15909	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold62</i>	46079	(C/T)
15910	CakSNP15910	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold62</i>	46085	(C/T)

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15911	CakSNP15911	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold62</i>	46087	(G/A)
15912	CakSNP15912	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold62</i>	46088	(C/T)
15913	CakSNP15913	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254901	(C/T)
15914	CakSNP15914	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254950	(G/A)
15915	CakSNP15915	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254959	(T/C)
15916	CakSNP15916	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254971	(G/A)
15917	CakSNP15917	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254992	(C/T)
15918	CakSNP15918	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold624</i>	254942	(A/T)
15919	CakSNP15919	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6339</i>	190	(T/G)
15920	CakSNP15920	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	6825	(G/T)
15921	CakSNP15921	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	10856	(T/G)
15922	CakSNP15922	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	10842	(T/A)
15923	CakSNP15923	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	13651	(G/A)
15924	CakSNP15924	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	23667	(G/A)
15925	CakSNP15925	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6367</i>	25674	(T/C)
15926	CakSNP15926	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold637</i>	107671	(G/C)
15927	CakSNP15927	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold637</i>	107661	(A/C)
15928	CakSNP15928	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold637</i>	107636	(T/C)
15929	CakSNP15929	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold637</i>	107613	(C/G)
15930	CakSNP15930	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold6403</i>	1553	(T/A)
15931	CakSNP15931	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold642</i>	28715	(A/T)
15932	CakSNP15932	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold642</i>	615176	(T/C)
15933	CakSNP15933	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold645</i>	91908	(C/T)
15934	CakSNP15934	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	145231	(A/G)
15935	CakSNP15935	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183054	(T/C)
15936	CakSNP15936	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183063	(G/A)
15937	CakSNP15937	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183069	(C/A)
15938	CakSNP15938	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183074	(C/G)
15939	CakSNP15939	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183078	(T/G)
15940	CakSNP15940	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183091	(T/C)
15941	CakSNP15941	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183143	(T/A)
15942	CakSNP15942	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183135	(T/C)
15943	CakSNP15943	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	183112	(T/C)
15944	CakSNP15944	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	189129	(C/T)
15945	CakSNP15945	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold653</i>	197878	(A/T)
15946	CakSNP15946	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	180364	(G/T)
15947	CakSNP15947	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	180362	(A/C)
15948	CakSNP15948	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	180348	(C/T)
15949	CakSNP15949	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	180302	(G/T)

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15950	CakSNP15950	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	311222	(G/T)
15951	CakSNP15951	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold661</i>	311182	(C/T)
15952	CakSNP15952	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16068	(G/A)
15953	CakSNP15953	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16042	(C/A)
15954	CakSNP15954	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16029	(G/A)
15955	CakSNP15955	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16056	(C/T)
15956	CakSNP15956	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16059	(G/A)
15957	CakSNP15957	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	16061	(A/G)
15958	CakSNP15958	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold663</i>	156613	(G/C)
15959	CakSNP15959	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	91979	(T/A)
15960	CakSNP15960	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360388	(C/T)
15961	CakSNP15961	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360401	(A/G)
15962	CakSNP15962	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360421	(G/A)
15963	CakSNP15963	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360406	(C/T)
15964	CakSNP15964	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360349	(G/A)
15965	CakSNP15965	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360464	(G/A)
15966	CakSNP15966	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360457	(G/C)
15967	CakSNP15967	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360411	(G/A)
15968	CakSNP15968	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	360408	(G/T)
15969	CakSNP15969	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	608623	(T/G)
15970	CakSNP15970	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	652382	(G/A)
15971	CakSNP15971	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	652373	(A/G)
15972	CakSNP15972	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold674</i>	826136	(T/C)
15973	CakSNP15973	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold681</i>	18376	(C/G)
15974	CakSNP15974	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold682</i>	157238	(G/C)
15975	CakSNP15975	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold682</i>	578200	(T/G)
15976	CakSNP15976	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78894	(G/A)
15977	CakSNP15977	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78883	(T/G)
15978	CakSNP15978	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78871	(C/G)
15979	CakSNP15979	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78842	(G/A)
15980	CakSNP15980	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78844	(A/G)
15981	CakSNP15981	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78864	(C/T)
15982	CakSNP15982	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold684</i>	78893	(C/T)
15983	CakSNP15983	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold686</i>	206111	(G/A)
15984	CakSNP15984	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold686</i>	206044	(T/C)
15985	CakSNP15985	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold686</i>	206042	(A/G)
15986	CakSNP15986	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold702</i>	247644	(G/C)
15987	CakSNP15987	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153694	(C/T)
15988	CakSNP15988	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153680	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
15989	CakSNP15989	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153667	(G/A)
15990	CakSNP15990	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153697	(G/A)
15991	CakSNP15991	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153699	(A/G)
15992	CakSNP15992	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold711</i>	153706	(G/A)
15993	CakSNP15993	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7127</i>	1878	(C/T)
15994	CakSNP15994	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7144</i>	234	(A/T)
15995	CakSNP15995	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	128208	(G/T)
15996	CakSNP15996	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	212326	(G/A)
15997	CakSNP15997	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	212374	(G/A)
15998	CakSNP15998	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269220	(T/C)
15999	CakSNP15999	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269230	(A/C)
16000	CakSNP16000	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269242	(A/G)
16001	CakSNP16001	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269266	(G/T)
16002	CakSNP16002	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269271	(G/A)
16003	CakSNP16003	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269281	(T/G)
16004	CakSNP16004	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269287	(G/A)
16005	CakSNP16005	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269335	(G/A)
16006	CakSNP16006	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269332	(C/T)
16007	CakSNP16007	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269314	(G/A)
16008	CakSNP16008	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold716</i>	269299	(T/C)
16009	CakSNP16009	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold719</i>	11850	(C/T)
16010	CakSNP16010	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold720</i>	60880	(G/A)
16011	CakSNP16011	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold720</i>	370624	(T/G)
16012	CakSNP16012	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold720</i>	370639	(T/A)
16013	CakSNP16013	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold720</i>	370725	(G/A)
16014	CakSNP16014	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold724</i>	25019	(G/A)
16015	CakSNP16015	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold724</i>	25722	(G/C)
16016	CakSNP16016	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	315093	(G/A)
16017	CakSNP16017	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	315114	(C/T)
16018	CakSNP16018	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	315135	(G/T)
16019	CakSNP16019	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	315138	(C/T)
16020	CakSNP16020	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	315141	(G/A)
16021	CakSNP16021	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332497	(G/A)
16022	CakSNP16022	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332468	(G/T)
16023	CakSNP16023	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332467	(G/C)
16024	CakSNP16024	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332465	(T/A)
16025	CakSNP16025	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332464	(G/T)
16026	CakSNP16026	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332458	(A/T)
16027	CakSNP16027	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	332528	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16028	CakSNP16028	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357674	(G/A)
16029	CakSNP16029	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357645	(G/T)
16030	CakSNP16030	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357644	(G/C)
16031	CakSNP16031	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357642	(T/A)
16032	CakSNP16032	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357641	(G/T)
16033	CakSNP16033	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357635	(A/T)
16034	CakSNP16034	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	357715	(A/T)
16035	CakSNP16035	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362123	(G/A)
16036	CakSNP16036	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362118	(C/A)
16037	CakSNP16037	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362114	(A/C)
16038	CakSNP16038	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362548	(T/A)
16039	CakSNP16039	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362553	(C/T)
16040	CakSNP16040	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362554	(T/A)
16041	CakSNP16041	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362555	(T/G)
16042	CakSNP16042	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362556	(C/A)
16043	CakSNP16043	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362574	(T/C)
16044	CakSNP16044	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362581	(A/G)
16045	CakSNP16045	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362582	(T/C)
16046	CakSNP16046	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362594	(G/T)
16047	CakSNP16047	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	362610	(C/T)
16048	CakSNP16048	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372255	(G/A)
16049	CakSNP16049	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372253	(G/T)
16050	CakSNP16050	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372250	(G/A)
16051	CakSNP16051	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372244	(C/T)
16052	CakSNP16052	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372243	(A/T)
16053	CakSNP16053	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372215	(A/G)
16054	CakSNP16054	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372209	(G/C)
16055	CakSNP16055	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372183	(C/T)
16056	CakSNP16056	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold731</i>	372959	(A/C)
16057	CakSNP16057	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	1606	(C/G)
16058	CakSNP16058	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	1690	(T/C)
16059	CakSNP16059	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	3608	(A/G)
16060	CakSNP16060	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	3602	(T/C)
16061	CakSNP16061	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	3578	(C/T)
16062	CakSNP16062	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	3572	(A/G)
16063	CakSNP16063	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7355</i>	3566	(C/T)
16064	CakSNP16064	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold752</i>	382375	(G/A)
16065	CakSNP16065	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold752</i>	497452	(T/A)
16066	CakSNP16066	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold752</i>	497454	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16067	CakSNP16067	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold753</i>	8312	(A/G)
16068	CakSNP16068	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold758</i>	16480	(G/T)
16069	CakSNP16069	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7650</i>	2686	(C/T)
16070	CakSNP16070	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7715</i>	3434	(A/T)
16071	CakSNP16071	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold772</i>	53192	(C/T)
16072	CakSNP16072	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold772</i>	53196	(C/T)
16073	CakSNP16073	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	89238	(T/C)
16074	CakSNP16074	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	89239	(C/T)
16075	CakSNP16075	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	279828	(A/G)
16076	CakSNP16076	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	356107	(C/A)
16077	CakSNP16077	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	448604	(G/A)
16078	CakSNP16078	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold775</i>	448743	(T/C)
16079	CakSNP16079	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold776</i>	188906	(C/T)
16080	CakSNP16080	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold776</i>	188895	(C/T)
16081	CakSNP16081	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold776</i>	188888	(G/A)
16082	CakSNP16082	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7765</i>	503	(C/T)
16083	CakSNP16083	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7765</i>	536	(C/A)
16084	CakSNP16084	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7765</i>	549	(G/A)
16085	CakSNP16085	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold783</i>	201617	(T/C)
16086	CakSNP16086	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold783</i>	244209	(T/C)
16087	CakSNP16087	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	727	(C/T)
16088	CakSNP16088	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	1078	(G/A)
16089	CakSNP16089	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	1075	(C/T)
16090	CakSNP16090	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	1068	(C/A)
16091	CakSNP16091	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	1042	(T/C)
16092	CakSNP16092	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold7842</i>	1024	(T/G)
16093	CakSNP16093	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold787</i>	4363	(A/G)
16094	CakSNP16094	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50197	(T/G)
16095	CakSNP16095	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50201	(T/G)
16096	CakSNP16096	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50225	(C/G)
16097	CakSNP16097	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50239	(G/A)
16098	CakSNP16098	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50240	(C/A)
16099	CakSNP16099	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold794</i>	50236	(A/G)
16100	CakSNP16100	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold799</i>	3956	(G/A)
16101	CakSNP16101	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold799</i>	3930	(A/G)
16102	CakSNP16102	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold799</i>	3928	(C/T)
16103	CakSNP16103	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold801</i>	67115	(C/T)
16104	CakSNP16104	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold806</i>	129263	(A/G)
16105	CakSNP16105	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold806</i>	129265	(G/T)

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16106	CakSNP16106	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	48678	(T/C)
16107	CakSNP16107	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	48650	(C/A)
16108	CakSNP16108	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53417	(C/G)
16109	CakSNP16109	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53425	(T/C)
16110	CakSNP16110	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53431	(G/A)
16111	CakSNP16111	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53444	(G/A)
16112	CakSNP16112	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53474	(G/A)
16113	CakSNP16113	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53464	(G/A)
16114	CakSNP16114	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold809</i>	53470	(C/G)
16115	CakSNP16115	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold811</i>	81373	(C/T)
16116	CakSNP16116	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold812</i>	34686	(C/T)
16117	CakSNP16117	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold812</i>	246208	(A/C)
16118	CakSNP16118	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold812</i>	332746	(T/C)
16119	CakSNP16119	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold812</i>	332758	(T/C)
16120	CakSNP16120	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold812</i>	528815	(C/G)
16121	CakSNP16121	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8226</i>	21624	(G/A)
16122	CakSNP16122	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8226</i>	21592	(T/G)
16123	CakSNP16123	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8226</i>	21590	(T/C)
16124	CakSNP16124	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8226</i>	21572	(T/A)
16125	CakSNP16125	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold842</i>	13898	(T/C)
16126	CakSNP16126	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold842</i>	13905	(C/G)
16127	CakSNP16127	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold842</i>	13928	(G/T)
16128	CakSNP16128	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold842</i>	13946	(T/C)
16129	CakSNP16129	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	28172	(G/T)
16130	CakSNP16130	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	45557	(A/G)
16131	CakSNP16131	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	71041	(A/G)
16132	CakSNP16132	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	102612	(A/G)
16133	CakSNP16133	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	129326	(C/G)
16134	CakSNP16134	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	129370	(A/G)
16135	CakSNP16135	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	130569	(G/C)
16136	CakSNP16136	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	131911	(A/G)
16137	CakSNP16137	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	136796	(A/G)
16138	CakSNP16138	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	139268	(G/A)
16139	CakSNP16139	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	154556	(T/C)
16140	CakSNP16140	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold845</i>	205934	(T/C)
16141	CakSNP16141	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	37282	(G/A)
16142	CakSNP16142	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	37309	(G/A)
16143	CakSNP16143	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39934	(T/G)
16144	CakSNP16144	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39968	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16145	CakSNP16145	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39984	(G/T)
16146	CakSNP16146	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39985	(C/T)
16147	CakSNP16147	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39990	(A/G)
16148	CakSNP16148	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	39994	(C/T)
16149	CakSNP16149	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	89976	(C/A)
16150	CakSNP16150	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	114078	(T/C)
16151	CakSNP16151	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158548	(T/C)
16152	CakSNP16152	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158557	(G/A)
16153	CakSNP16153	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158569	(C/T)
16154	CakSNP16154	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158570	(A/G)
16155	CakSNP16155	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158611	(C/T)
16156	CakSNP16156	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158638	(G/A)
16157	CakSNP16157	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158626	(G/T)
16158	CakSNP16158	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold848</i>	158594	(A/G)
16159	CakSNP16159	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold857</i>	5227	(G/A)
16160	CakSNP16160	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8586</i>	4415	(A/G)
16161	CakSNP16161	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold859</i>	9382	(A/G)
16162	CakSNP16162	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8641</i>	502	(G/A)
16163	CakSNP16163	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8641</i>	472	(C/T)
16164	CakSNP16164	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8641</i>	466	(C/T)
16165	CakSNP16165	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8641</i>	460	(T/C)
16166	CakSNP16166	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8646</i>	2056	(A/T)
16167	CakSNP16167	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8646</i>	2073	(G/A)
16168	CakSNP16168	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	3938	(C/T)
16169	CakSNP16169	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	3977	(A/G)
16170	CakSNP16170	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	4058	(C/A)
16171	CakSNP16171	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	4050	(A/G)
16172	CakSNP16172	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	4036	(A/C)
16173	CakSNP16173	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	4013	(G/A)
16174	CakSNP16174	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold8648</i>	3992	(G/A)
16175	CakSNP16175	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold866</i>	27325	(C/T)
16176	CakSNP16176	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold866</i>	27293	(T/G)
16177	CakSNP16177	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold866</i>	27279	(C/T)
16178	CakSNP16178	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold87</i>	182677	(C/G)
16179	CakSNP16179	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold87</i>	182724	(G/A)
16180	CakSNP16180	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold87</i>	182769	(G/C)
16181	CakSNP16181	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold87</i>	182788	(A/C)
16182	CakSNP16182	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265386	(C/T)
16183	CakSNP16183	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265395	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16184	CakSNP16184	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265396	(C/T)
16185	CakSNP16185	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265399	(C/A)
16186	CakSNP16186	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265458	(C/T)
16187	CakSNP16187	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold873</i>	265406	(T/C)
16188	CakSNP16188	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	49179	(T/C)
16189	CakSNP16189	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	51703	(C/G)
16190	CakSNP16190	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	51702	(T/A)
16191	CakSNP16191	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	51701	(T/C)
16192	CakSNP16192	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	51714	(T/A)
16193	CakSNP16193	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	51704	(C/A)
16194	CakSNP16194	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold875</i>	62738	(A/G)
16195	CakSNP16195	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	152311	(G/T)
16196	CakSNP16196	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	188605	(C/G)
16197	CakSNP16197	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	297059	(T/C)
16198	CakSNP16198	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	297024	(T/G)
16199	CakSNP16199	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	297023	(G/A)
16200	CakSNP16200	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	297022	(G/A)
16201	CakSNP16201	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	297003	(C/T)
16202	CakSNP16202	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold876</i>	296995	(C/T)
16203	CakSNP16203	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold877</i>	9813	(G/A)
16204	CakSNP16204	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold877</i>	9851	(C/T)
16205	CakSNP16205	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	9982	(C/A)
16206	CakSNP16206	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	16398	(C/T)
16207	CakSNP16207	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	110743	(A/G)
16208	CakSNP16208	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	240551	(T/C)
16209	CakSNP16209	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	240550	(G/A)
16210	CakSNP16210	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	240525	(A/G)
16211	CakSNP16211	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold88</i>	274006	(A/G)
16212	CakSNP16212	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	117376	(G/A)
16213	CakSNP16213	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	118266	(G/T)
16214	CakSNP16214	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	232549	(C/A)
16215	CakSNP16215	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	232570	(T/G)
16216	CakSNP16216	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	232605	(T/A)
16217	CakSNP16217	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	358449	(T/A)
16218	CakSNP16218	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	570871	(T/A)
16219	CakSNP16219	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	571210	(A/T)
16220	CakSNP16220	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	573367	(T/A)
16221	CakSNP16221	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold882</i>	573706	(A/T)
16222	CakSNP16222	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	26025	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16223	CakSNP16223	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	26134	(C/A)
16224	CakSNP16224	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	26121	(A/C)
16225	CakSNP16225	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	26108	(G/T)
16226	CakSNP16226	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	139386	(T/C)
16227	CakSNP16227	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	139396	(G/C)
16228	CakSNP16228	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	139580	(G/T)
16229	CakSNP16229	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	144885	(T/C)
16230	CakSNP16230	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold887_1</i>	260488	(A/C)
16231	CakSNP16231	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	24349	(T/C)
16232	CakSNP16232	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	24323	(A/G)
16233	CakSNP16233	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	24317	(G/T)
16234	CakSNP16234	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	24316	(T/A)
16235	CakSNP16235	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35527	(T/C)
16236	CakSNP16236	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35501	(A/G)
16237	CakSNP16237	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35495	(G/T)
16238	CakSNP16238	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35494	(T/A)
16239	CakSNP16239	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35489	(A/G)
16240	CakSNP16240	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold892</i>	35514	(G/T)
16241	CakSNP16241	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold895</i>	18621	(C/A)
16242	CakSNP16242	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold895</i>	18693	(G/C)
16243	CakSNP16243	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold895</i>	20978	(T/C)
16244	CakSNP16244	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold895</i>	158250	(A/G)
16245	CakSNP16245	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold901</i>	91817	(C/T)
16246	CakSNP16246	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold901</i>	91849	(T/C)
16247	CakSNP16247	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15845	(C/A)
16248	CakSNP16248	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15841	(G/A)
16249	CakSNP16249	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15840	(G/A)
16250	CakSNP16250	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15816	(C/T)
16251	CakSNP16251	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15813	(G/T)
16252	CakSNP16252	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15810	(A/G)
16253	CakSNP16253	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15799	(C/T)
16254	CakSNP16254	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15786	(G/A)
16255	CakSNP16255	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15785	(G/A)
16256	CakSNP16256	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15822	(C/T)
16257	CakSNP16257	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold908</i>	15834	(C/A)
16258	CakSNP16258	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	14282	(A/C)
16259	CakSNP16259	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	332494	(G/C)
16260	CakSNP16260	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	403513	(G/A)
16261	CakSNP16261	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	403572	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16262	CakSNP16262	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	403553	(T/C)
16263	CakSNP16263	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold913</i>	403531	(A/C)
16264	CakSNP16264	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	18826	(A/G)
16265	CakSNP16265	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	18810	(C/A)
16266	CakSNP16266	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	18809	(C/T)
16267	CakSNP16267	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	18750	(C/A)
16268	CakSNP16268	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	38792	(A/G)
16269	CakSNP16269	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	38776	(C/A)
16270	CakSNP16270	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	38775	(C/T)
16271	CakSNP16271	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	38716	(C/A)
16272	CakSNP16272	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	53125	(T/A)
16273	CakSNP16273	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	53132	(C/T)
16274	CakSNP16274	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold914</i>	53270	(A/G)
16275	CakSNP16275	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	1036	(A/G)
16276	CakSNP16276	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	275497	(T/C)
16277	CakSNP16277	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	275510	(A/T)
16278	CakSNP16278	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	275512	(G/T)
16279	CakSNP16279	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	275519	(A/C)
16280	CakSNP16280	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold916</i>	275493	(A/T)
16281	CakSNP16281	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold919</i>	119274	(T/C)
16282	CakSNP16282	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold922</i>	111921	(C/A)
16283	CakSNP16283	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold922</i>	121629	(T/C)
16284	CakSNP16284	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	205677	(G/A)
16285	CakSNP16285	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	506983	(C/A)
16286	CakSNP16286	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	578138	(G/A)
16287	CakSNP16287	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	578146	(A/G)
16288	CakSNP16288	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	578158	(A/G)
16289	CakSNP16289	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640373	(A/C)
16290	CakSNP16290	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640389	(G/T)
16291	CakSNP16291	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640430	(C/T)
16292	CakSNP16292	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640487	(A/C)
16293	CakSNP16293	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640459	(G/T)
16294	CakSNP16294	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640448	(T/C)
16295	CakSNP16295	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640445	(C/T)
16296	CakSNP16296	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	640444	(G/T)
16297	CakSNP16297	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645328	(A/C)
16298	CakSNP16298	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645344	(G/T)
16299	CakSNP16299	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645442	(A/C)
16300	CakSNP16300	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645414	(G/T)

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16301	CakSNP16301	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645403	(T/C)
16302	CakSNP16302	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645400	(C/T)
16303	CakSNP16303	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645399	(G/T)
16304	CakSNP16304	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	645402	(G/A)
16305	CakSNP16305	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	651020	(C/T)
16306	CakSNP16306	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	651018	(C/T)
16307	CakSNP16307	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	651009	(A/G)
16308	CakSNP16308	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	650981	(T/C)
16309	CakSNP16309	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	650968	(G/A)
16310	CakSNP16310	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	650958	(G/A)
16311	CakSNP16311	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold93</i>	650955	(T/C)
16312	CakSNP16312	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold931</i>	13212	(T/C)
16313	CakSNP16313	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold9323</i>	5263	(A/G)
16314	CakSNP16314	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold937</i>	132087	(C/G)
16315	CakSNP16315	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold937</i>	134580	(C/G)
16316	CakSNP16316	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold937</i>	134707	(G/A)
16317	CakSNP16317	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold948</i>	12188	(C/T)
16318	CakSNP16318	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold948</i>	21152	(C/T)
16319	CakSNP16319	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold953</i>	42329	(T/C)
16320	CakSNP16320	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold953</i>	57413	(A/T)
16321	CakSNP16321	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	21441	(C/A)
16322	CakSNP16322	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	27612	(A/G)
16323	CakSNP16323	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	27710	(T/G)
16324	CakSNP16324	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	27693	(T/C)
16325	CakSNP16325	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	28015	(A/C)
16326	CakSNP16326	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	28014	(T/A)
16327	CakSNP16327	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold956</i>	29736	(T/A)
16328	CakSNP16328	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold959</i>	56173	(C/T)
16329	CakSNP16329	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold959</i>	56159	(G/A)
16330	CakSNP16330	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold959</i>	56156	(G/A)
16331	CakSNP16331	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold959</i>	56117	(G/A)
16332	CakSNP16332	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149524	(C/T)
16333	CakSNP16333	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149545	(C/T)
16334	CakSNP16334	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149580	(G/A)
16335	CakSNP16335	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149585	(A/G)
16336	CakSNP16336	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149645	(G/T)
16337	CakSNP16337	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149631	(G/A)
16338	CakSNP16338	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149589	(G/A)
16339	CakSNP16339	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149583	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16340	CakSNP16340	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149577	(G/T)
16341	CakSNP16341	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149689	(G/A)
16342	CakSNP16342	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149687	(A/T)
16343	CakSNP16343	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149676	(T/C)
16344	CakSNP16344	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149661	(G/A)
16345	CakSNP16345	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149649	(C/T)
16346	CakSNP16346	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149644	(C/T)
16347	CakSNP16347	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149628	(G/A)
16348	CakSNP16348	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold962</i>	149613	(G/T)
16349	CakSNP16349	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold963</i>	77099	(C/T)
16350	CakSNP16350	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	287956	(T/A)
16351	CakSNP16351	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	287933	(T/C)
16352	CakSNP16352	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	388565	(T/C)
16353	CakSNP16353	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	434956	(A/G)
16354	CakSNP16354	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	440243	(G/C)
16355	CakSNP16355	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	447314	(G/C)
16356	CakSNP16356	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	447311	(G/A)
16357	CakSNP16357	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	485305	(G/C)
16358	CakSNP16358	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	485302	(G/A)
16359	CakSNP16359	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	533710	(T/C)
16360	CakSNP16360	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	533677	(T/A)
16361	CakSNP16361	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	533812	(G/C)
16362	CakSNP16362	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	562979	(G/A)
16363	CakSNP16363	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	563016	(T/C)
16364	CakSNP16364	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold98</i>	563048	(A/C)
16365	CakSNP16365	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84091	(G/A)
16366	CakSNP16366	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84088	(C/G)
16367	CakSNP16367	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84087	(C/A)
16368	CakSNP16368	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84072	(G/A)
16369	CakSNP16369	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84057	(A/G)
16370	CakSNP16370	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84034	(C/T)
16371	CakSNP16371	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84026	(G/C)
16372	CakSNP16372	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84019	(C/T)
16373	CakSNP16373	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold981</i>	84007	(C/G)
16374	CakSNP16374	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold999</i>	77761	(A/T)
16375	CakSNP16375	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold999</i>	77763	(C/T)
16376	CakSNP16376	<i>Kabuli</i>	<i>Ca_Kabuli_Scaffold999</i>	77767	(A/T)
16377	CakSNP16377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1061	(T/A)
16378	CakSNP16378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1965	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16379	CakSNP16379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1975	(G/A)
16380	CakSNP16380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2003	(A/G)
16381	CakSNP16381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2012	(T/G)
16382	CakSNP16382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2047	(T/G)
16383	CakSNP16383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3355	(C/A)
16384	CakSNP16384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3357	(T/G)
16385	CakSNP16385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3369	(C/G)
16386	CakSNP16386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3376	(C/G)
16387	CakSNP16387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3391	(A/G)
16388	CakSNP16388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3398	(A/G)
16389	CakSNP16389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3408	(C/G)
16390	CakSNP16390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3410	(G/T)
16391	CakSNP16391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3417	(G/A)
16392	CakSNP16392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3427	(G/C)
16393	CakSNP16393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3439	(C/G)
16394	CakSNP16394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3710	(A/T)
16395	CakSNP16395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3711	(T/G)
16396	CakSNP16396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3712	(G/C)
16397	CakSNP16397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3714	(C/G)
16398	CakSNP16398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3715	(A/G)
16399	CakSNP16399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3716	(G/A)
16400	CakSNP16400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3717	(A/G)
16401	CakSNP16401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3720	(G/T)
16402	CakSNP16402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3721	(A/C)
16403	CakSNP16403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3967	(G/A)
16404	CakSNP16404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3968	(G/A)
16405	CakSNP16405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3969	(A/G)
16406	CakSNP16406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3970	(A/G)
16407	CakSNP16407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3971	(G/A)
16408	CakSNP16408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3972	(C/A)
16409	CakSNP16409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3975	(T/G)
16410	CakSNP16410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4061	(G/A)
16411	CakSNP16411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4063	(G/A)
16412	CakSNP16412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4064	(A/G)
16413	CakSNP16413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4065	(G/C)
16414	CakSNP16414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4066	(C/G)
16415	CakSNP16415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4068	(T/G)
16416	CakSNP16416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4287	(C/G)
16417	CakSNP16417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4288	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16418	CakSNP16418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4295	(A/G)
16419	CakSNP16419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4299	(T/C)
16420	CakSNP16420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4724	(A/G)
16421	CakSNP16421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4725	(G/C)
16422	CakSNP16422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4727	(G/A)
16423	CakSNP16423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4728	(A/G)
16424	CakSNP16424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4731	(C/A)
16425	CakSNP16425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4732	(C/T)
16426	CakSNP16426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5106	(C/G)
16427	CakSNP16427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5108	(T/G)
16428	CakSNP16428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5349	(T/G)
16429	CakSNP16429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5394	(C/G)
16430	CakSNP16430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5650	(C/G)
16431	CakSNP16431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5652	(G/T)
16432	CakSNP16432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5654	(C/T)
16433	CakSNP16433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5655	(A/C)
16434	CakSNP16434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5746	(G/C)
16435	CakSNP16435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5747	(C/G)
16436	CakSNP16436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5749	(G/T)
16437	CakSNP16437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5751	(C/T)
16438	CakSNP16438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5752	(A/C)
16439	CakSNP16439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5851	(C/G)
16440	CakSNP16440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5853	(G/T)
16441	CakSNP16441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5855	(C/T)
16442	CakSNP16442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5856	(A/C)
16443	CakSNP16443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6702	(T/G)
16444	CakSNP16444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6708	(C/G)
16445	CakSNP16445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6727	(A/G)
16446	CakSNP16446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6728	(C/G)
16447	CakSNP16447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6739	(T/G)
16448	CakSNP16448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6761	(T/G)
16449	CakSNP16449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6773	(T/G)
16450	CakSNP16450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7246	(C/A)
16451	CakSNP16451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7247	(G/C)
16452	CakSNP16452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7248	(A/C)
16453	CakSNP16453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7251	(C/T)
16454	CakSNP16454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7253	(T/G)
16455	CakSNP16455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7254	(C/A)
16456	CakSNP16456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7255	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16457	CakSNP16457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7380	(A/T)
16458	CakSNP16458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7690	(A/G)
16459	CakSNP16459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7691	(C/G)
16460	CakSNP16460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7883	(G/T)
16461	CakSNP16461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7937	(C/G)
16462	CakSNP16462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7944	(T/A)
16463	CakSNP16463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7976	(T/G)
16464	CakSNP16464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7999	(T/C)
16465	CakSNP16465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8051	(C/A)
16466	CakSNP16466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8069	(T/G)
16467	CakSNP16467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8088	(C/A)
16468	CakSNP16468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8136	(A/G)
16469	CakSNP16469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8162	(T/G)
16470	CakSNP16470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8537	(A/G)
16471	CakSNP16471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8539	(A/C)
16472	CakSNP16472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8541	(T/G)
16473	CakSNP16473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9009	(G/A)
16474	CakSNP16474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9010	(A/G)
16475	CakSNP16475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9011	(A/G)
16476	CakSNP16476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9012	(C/A)
16477	CakSNP16477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11242	(C/G)
16478	CakSNP16478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11244	(T/G)
16479	CakSNP16479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11246	(C/T)
16480	CakSNP16480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11711	(G/T)
16481	CakSNP16481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12623	(A/G)
16482	CakSNP16482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12624	(G/C)
16483	CakSNP16483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12625	(C/G)
16484	CakSNP16484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12627	(T/G)
16485	CakSNP16485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12629	(C/T)
16486	CakSNP16486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12630	(A/C)
16487	CakSNP16487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13473	(G/A)
16488	CakSNP16488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13475	(G/A)
16489	CakSNP16489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13476	(A/G)
16490	CakSNP16490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14124	(A/C)
16491	CakSNP16491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14560	(C/A)
16492	CakSNP16492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14672	(G/A)
16493	CakSNP16493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14674	(G/A)
16494	CakSNP16494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15543	(G/A)
16495	CakSNP16495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15553	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16496	CakSNP16496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15580	(G/A)
16497	CakSNP16497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17223	(C/G)
16498	CakSNP16498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17468	(A/G)
16499	CakSNP16499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17469	(G/C)
16500	CakSNP16500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17470	(C/G)
16501	CakSNP16501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17472	(T/G)
16502	CakSNP16502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17733	(G/C)
16503	CakSNP16503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17734	(C/G)
16504	CakSNP16504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17736	(T/G)
16505	CakSNP16505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17738	(C/T)
16506	CakSNP16506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18017	(G/A)
16507	CakSNP16507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18019	(G/A)
16508	CakSNP16508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18050	(G/C)
16509	CakSNP16509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18291	(C/G)
16510	CakSNP16510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18293	(G/T)
16511	CakSNP16511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18295	(C/T)
16512	CakSNP16512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18296	(A/C)
16513	CakSNP16513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18297	(G/A)
16514	CakSNP16514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18394	(T/G)
16515	CakSNP16515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18450	(G/A)
16516	CakSNP16516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19005	(C/T)
16517	CakSNP16517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19041	(T/C)
16518	CakSNP16518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19048	(G/C)
16519	CakSNP16519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20080	(C/G)
16520	CakSNP16520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20081	(G/A)
16521	CakSNP16521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20082	(A/T)
16522	CakSNP16522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20083	(G/C)
16523	CakSNP16523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20084	(T/A)
16524	CakSNP16524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20086	(G/C)
16525	CakSNP16525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20087	(T/G)
16526	CakSNP16526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21257	(C/A)
16527	CakSNP16527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22000	(T/G)
16528	CakSNP16528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22013	(A/G)
16529	CakSNP16529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22039	(G/T)
16530	CakSNP16530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22242	(A/G)
16531	CakSNP16531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22320	(T/A)
16532	CakSNP16532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27708	(C/G)
16533	CakSNP16533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27709	(G/A)
16534	CakSNP16534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27710	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16535	CakSNP16535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27711	(A/G)
16536	CakSNP16536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27712	(C/A)
16537	CakSNP16537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27714	(G/C)
16538	CakSNP16538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	27715	(A/G)
16539	CakSNP16539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	28816	(G/T)
16540	CakSNP16540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	28818	(C/T)
16541	CakSNP16541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	29384	(A/G)
16542	CakSNP16542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	32328	(G/A)
16543	CakSNP16543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	32330	(G/A)
16544	CakSNP16544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	32331	(A/G)
16545	CakSNP16545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	33189	(G/A)
16546	CakSNP16546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34679	(G/T)
16547	CakSNP16547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34680	(C/G)
16548	CakSNP16548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34682	(C/G)
16549	CakSNP16549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34683	(G/A)
16550	CakSNP16550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34684	(A/G)
16551	CakSNP16551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34685	(G/A)
16552	CakSNP16552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34858	(G/A)
16553	CakSNP16553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	34860	(G/A)
16554	CakSNP16554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	35627	(T/G)
16555	CakSNP16555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	35634	(A/G)
16556	CakSNP16556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	35645	(C/A)
16557	CakSNP16557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	35661	(G/A)
16558	CakSNP16558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	35679	(C/G)
16559	CakSNP16559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36295	(C/G)
16560	CakSNP16560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36358	(G/C)
16561	CakSNP16561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36359	(T/A)
16562	CakSNP16562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36361	(G/C)
16563	CakSNP16563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36362	(T/G)
16564	CakSNP16564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36544	(T/G)
16565	CakSNP16565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36545	(G/C)
16566	CakSNP16566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36547	(G/C)
16567	CakSNP16567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36548	(A/G)
16568	CakSNP16568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36549	(G/A)
16569	CakSNP16569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36550	(A/G)
16570	CakSNP16570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36620	(G/C)
16571	CakSNP16571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36621	(C/A)
16572	CakSNP16572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36622	(A/G)
16573	CakSNP16573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36624	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16574	CakSNP16574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36626	(T/A)
16575	CakSNP16575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36627	(G/T)
16576	CakSNP16576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36628	(C/G)
16577	CakSNP16577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	36630	(G/C)
16578	CakSNP16578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37457	(G/C)
16579	CakSNP16579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37458	(C/A)
16580	CakSNP16580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37459	(A/G)
16581	CakSNP16581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37461	(G/A)
16582	CakSNP16582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37463	(A/T)
16583	CakSNP16583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37464	(T/G)
16584	CakSNP16584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37465	(C/G)
16585	CakSNP16585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37467	(G/C)
16586	CakSNP16586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37468	(A/G)
16587	CakSNP16587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	37469	(G/A)
16588	CakSNP16588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38106	(G/A)
16589	CakSNP16589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38108	(T/G)
16590	CakSNP16590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38109	(T/A)
16591	CakSNP16591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38110	(C/A)
16592	CakSNP16592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38111	(T/A)
16593	CakSNP16593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38114	(C/A)
16594	CakSNP16594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38932	(G/A)
16595	CakSNP16595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	38934	(G/A)
16596	CakSNP16596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40259	(A/G)
16597	CakSNP16597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40260	(G/C)
16598	CakSNP16598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40261	(C/A)
16599	CakSNP16599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40262	(A/G)
16600	CakSNP16600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40264	(G/A)
16601	CakSNP16601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40266	(T/A)
16602	CakSNP16602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40267	(G/T)
16603	CakSNP16603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40268	(C/G)
16604	CakSNP16604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	40270	(G/C)
16605	CakSNP16605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41456	(T/C)
16606	CakSNP16606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41457	(T/A)
16607	CakSNP16607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41458	(G/C)
16608	CakSNP16608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41460	(A/G)
16609	CakSNP16609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41888	(A/T)
16610	CakSNP16610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	41895	(C/A)
16611	CakSNP16611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44072	(T/G)
16612	CakSNP16612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44074	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16613	CakSNP16613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	45632	(A/C)
16614	CakSNP16614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	45635	(C/T)
16615	CakSNP16615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	45637	(T/G)
16616	CakSNP16616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	45639	(G/A)
16617	CakSNP16617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	48879	(T/G)
16618	CakSNP16618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49259	(G/A)
16619	CakSNP16619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49260	(A/G)
16620	CakSNP16620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49261	(A/G)
16621	CakSNP16621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49262	(G/A)
16622	CakSNP16622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49263	(C/A)
16623	CakSNP16623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49265	(G/C)
16624	CakSNP16624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49932	(C/G)
16625	CakSNP16625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49934	(T/G)
16626	CakSNP16626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	49936	(C/T)
16627	CakSNP16627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	50705	(T/G)
16628	CakSNP16628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	50712	(T/C)
16629	CakSNP16629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	50914	(G/A)
16630	CakSNP16630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51290	(C/G)
16631	CakSNP16631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51357	(T/G)
16632	CakSNP16632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51491	(A/G)
16633	CakSNP16633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51528	(T/C)
16634	CakSNP16634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51691	(G/C)
16635	CakSNP16635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51720	(T/G)
16636	CakSNP16636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51737	(C/G)
16637	CakSNP16637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	51993	(T/G)
16638	CakSNP16638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52004	(C/A)
16639	CakSNP16639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52027	(G/T)
16640	CakSNP16640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52098	(A/G)
16641	CakSNP16641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52113	(G/T)
16642	CakSNP16642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52290	(A/G)
16643	CakSNP16643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	52303	(A/C)
16644	CakSNP16644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53001	(C/A)
16645	CakSNP16645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53002	(A/G)
16646	CakSNP16646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53003	(G/C)
16647	CakSNP16647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53207	(T/G)
16648	CakSNP16648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53219	(C/A)
16649	CakSNP16649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53399	(G/C)
16650	CakSNP16650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53594	(G/A)
16651	CakSNP16651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53782	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16652	CakSNP16652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	53972	(G/A)
16653	CakSNP16653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54229	(T/G)
16654	CakSNP16654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54262	(A/G)
16655	CakSNP16655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54267	(T/G)
16656	CakSNP16656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54513	(C/G)
16657	CakSNP16657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54540	(A/G)
16658	CakSNP16658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54870	(A/C)
16659	CakSNP16659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54877	(A/G)
16660	CakSNP16660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54880	(T/C)
16661	CakSNP16661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54888	(C/G)
16662	CakSNP16662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54895	(T/G)
16663	CakSNP16663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54900	(C/G)
16664	CakSNP16664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54909	(T/G)
16665	CakSNP16665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54910	(C/G)
16666	CakSNP16666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54911	(A/G)
16667	CakSNP16667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54915	(T/A)
16668	CakSNP16668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	54932	(T/G)
16669	CakSNP16669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55406	(T/C)
16670	CakSNP16670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55407	(T/A)
16671	CakSNP16671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55408	(G/C)
16672	CakSNP16672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55409	(C/A)
16673	CakSNP16673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55504	(G/C)
16674	CakSNP16674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55505	(G/A)
16675	CakSNP16675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	55506	(A/G)
16676	CakSNP16676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56193	(T/G)
16677	CakSNP16677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56223	(T/G)
16678	CakSNP16678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56260	(G/C)
16679	CakSNP16679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56261	(G/A)
16680	CakSNP16680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56262	(A/C)
16681	CakSNP16681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56263	(T/C)
16682	CakSNP16682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56264	(C/G)
16683	CakSNP16683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56266	(C/T)
16684	CakSNP16684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56344	(G/C)
16685	CakSNP16685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56345	(A/G)
16686	CakSNP16686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56442	(C/A)
16687	CakSNP16687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56443	(G/C)
16688	CakSNP16688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56444	(A/G)
16689	CakSNP16689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56620	(C/A)
16690	CakSNP16690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56621	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16691	CakSNP16691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56623	(G/C)
16692	CakSNP16692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56624	(C/A)
16693	CakSNP16693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56625	(G/A)
16694	CakSNP16694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56721	(C/A)
16695	CakSNP16695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56723	(C/G)
16696	CakSNP16696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56724	(G/A)
16697	CakSNP16697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56811	(A/T)
16698	CakSNP16698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56812	(T/G)
16699	CakSNP16699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56813	(G/C)
16700	CakSNP16700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56815	(C/G)
16701	CakSNP16701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56816	(G/A)
16702	CakSNP16702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56817	(G/A)
16703	CakSNP16703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56818	(A/G)
16704	CakSNP16704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56900	(A/G)
16705	CakSNP16705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56902	(G/A)
16706	CakSNP16706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56904	(A/T)
16707	CakSNP16707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56905	(T/G)
16708	CakSNP16708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56906	(G/C)
16709	CakSNP16709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56908	(C/G)
16710	CakSNP16710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56909	(G/A)
16711	CakSNP16711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56910	(A/G)
16712	CakSNP16712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56911	(G/A)
16713	CakSNP16713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56912	(A/C)
16714	CakSNP16714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56913	(T/C)
16715	CakSNP16715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56915	(G/C)
16716	CakSNP16716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	56916	(T/A)
16717	CakSNP16717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57097	(T/G)
16718	CakSNP16718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57098	(C/A)
16719	CakSNP16719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57100	(C/T)
16720	CakSNP16720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57101	(G/C)
16721	CakSNP16721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57170	(C/G)
16722	CakSNP16722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57172	(G/T)
16723	CakSNP16723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57174	(T/C)
16724	CakSNP16724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57175	(C/A)
16725	CakSNP16725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57176	(A/G)
16726	CakSNP16726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57177	(C/G)
16727	CakSNP16727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57178	(A/C)
16728	CakSNP16728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57193	(G/T)
16729	CakSNP16729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57194	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16730	CakSNP16730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57195	(T/G)
16731	CakSNP16731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57196	(C/T)
16732	CakSNP16732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57271	(C/A)
16733	CakSNP16733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57272	(A/G)
16734	CakSNP16734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57275	(A/G)
16735	CakSNP16735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57276	(A/T)
16736	CakSNP16736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57277	(G/T)
16737	CakSNP16737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57278	(A/C)
16738	CakSNP16738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57280	(C/G)
16739	CakSNP16739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57281	(G/A)
16740	CakSNP16740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57282	(A/G)
16741	CakSNP16741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57283	(T/A)
16742	CakSNP16742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57285	(T/C)
16743	CakSNP16743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57286	(C/G)
16744	CakSNP16744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57287	(G/A)
16745	CakSNP16745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57289	(A/C)
16746	CakSNP16746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57955	(A/G)
16747	CakSNP16747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	57990	(T/G)
16748	CakSNP16748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58026	(A/C)
16749	CakSNP16749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58029	(C/T)
16750	CakSNP16750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58031	(T/G)
16751	CakSNP16751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58032	(C/A)
16752	CakSNP16752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58033	(G/T)
16753	CakSNP16753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58046	(T/G)
16754	CakSNP16754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58761	(G/A)
16755	CakSNP16755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58763	(G/A)
16756	CakSNP16756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	58765	(G/A)
16757	CakSNP16757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	59113	(G/T)
16758	CakSNP16758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	60062	(C/G)
16759	CakSNP16759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	60064	(T/G)
16760	CakSNP16760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	60066	(C/T)
16761	CakSNP16761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	60711	(G/A)
16762	CakSNP16762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	60712	(A/G)
16763	CakSNP16763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	62231	(G/A)
16764	CakSNP16764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	62282	(G/A)
16765	CakSNP16765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	62560	(G/A)
16766	CakSNP16766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	62562	(G/A)
16767	CakSNP16767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	63303	(C/G)
16768	CakSNP16768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	63305	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16769	CakSNP16769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	63307	(C/T)
16770	CakSNP16770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	64427	(T/C)
16771	CakSNP16771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	64428	(T/A)
16772	CakSNP16772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	64429	(G/C)
16773	CakSNP16773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	64525	(C/G)
16774	CakSNP16774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	64526	(G/A)
16775	CakSNP16775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	66001	(G/A)
16776	CakSNP16776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	66003	(G/A)
16777	CakSNP16777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	66373	(G/A)
16778	CakSNP16778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67505	(A/G)
16779	CakSNP16779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67506	(C/G)
16780	CakSNP16780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67912	(G/T)
16781	CakSNP16781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68709	(G/A)
16782	CakSNP16782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68710	(C/G)
16783	CakSNP16783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68711	(A/C)
16784	CakSNP16784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68712	(A/G)
16785	CakSNP16785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68714	(G/A)
16786	CakSNP16786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	68716	(A/T)
16787	CakSNP16787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69930	(C/G)
16788	CakSNP16788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69932	(G/T)
16789	CakSNP16789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69934	(C/T)
16790	CakSNP16790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69935	(A/C)
16791	CakSNP16791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69936	(G/A)
16792	CakSNP16792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	69937	(C/G)
16793	CakSNP16793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	71409	(G/A)
16794	CakSNP16794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	71411	(G/A)
16795	CakSNP16795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	72745	(G/T)
16796	CakSNP16796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74388	(G/C)
16797	CakSNP16797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74389	(C/G)
16798	CakSNP16798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74391	(T/G)
16799	CakSNP16799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74393	(C/T)
16800	CakSNP16800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74394	(A/C)
16801	CakSNP16801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74952	(C/G)
16802	CakSNP16802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74954	(G/T)
16803	CakSNP16803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74956	(C/T)
16804	CakSNP16804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74957	(A/C)
16805	CakSNP16805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74958	(G/A)
16806	CakSNP16806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74959	(C/G)
16807	CakSNP16807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	74972	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16808	CakSNP16808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	75008	(G/A)
16809	CakSNP16809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76173	(A/G)
16810	CakSNP16810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76178	(G/A)
16811	CakSNP16811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76193	(C/G)
16812	CakSNP16812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76204	(C/G)
16813	CakSNP16813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76218	(T/G)
16814	CakSNP16814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76228	(G/C)
16815	CakSNP16815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76288	(C/T)
16816	CakSNP16816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76295	(G/T)
16817	CakSNP16817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76452	(T/A)
16818	CakSNP16818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76513	(A/G)
16819	CakSNP16819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76517	(T/C)
16820	CakSNP16820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76530	(T/G)
16821	CakSNP16821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76561	(G/T)
16822	CakSNP16822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	76579	(G/A)
16823	CakSNP16823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	77007	(T/A)
16824	CakSNP16824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	77013	(A/T)
16825	CakSNP16825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	77051	(T/A)
16826	CakSNP16826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	77063	(A/G)
16827	CakSNP16827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	78895	(C/T)
16828	CakSNP16828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	78946	(C/T)
16829	CakSNP16829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79307	(T/A)
16830	CakSNP16830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79308	(T/G)
16831	CakSNP16831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79309	(C/G)
16832	CakSNP16832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79311	(A/G)
16833	CakSNP16833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79312	(T/C)
16834	CakSNP16834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	79313	(G/A)
16835	CakSNP16835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83072	(C/T)
16836	CakSNP16836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83103	(C/G)
16837	CakSNP16837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83773	(C/G)
16838	CakSNP16838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83775	(A/G)
16839	CakSNP16839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83776	(T/C)
16840	CakSNP16840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83777	(G/A)
16841	CakSNP16841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	83885	(A/C)
16842	CakSNP16842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	84999	(T/G)
16843	CakSNP16843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	85000	(G/A)
16844	CakSNP16844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	85001	(C/G)
16845	CakSNP16845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	85003	(G/C)
16846	CakSNP16846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89165	(G/A)

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16847	CakSNP16847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89167	(G/A)
16848	CakSNP16848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89731	(C/G)
16849	CakSNP16849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89733	(A/G)
16850	CakSNP16850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89829	(G/A)
16851	CakSNP16851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	89830	(G/A)
16852	CakSNP16852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90103	(G/A)
16853	CakSNP16853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90105	(G/A)
16854	CakSNP16854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90106	(A/G)
16855	CakSNP16855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90209	(A/C)
16856	CakSNP16856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90210	(G/T)
16857	CakSNP16857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90211	(A/G)
16858	CakSNP16858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	90488	(A/C)
16859	CakSNP16859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	92231	(G/A)
16860	CakSNP16860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	92233	(G/A)
16861	CakSNP16861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	92989	(T/A)
16862	CakSNP16862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	92990	(G/T)
16863	CakSNP16863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	94682	(G/A)
16864	CakSNP16864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	94731	(G/A)
16865	CakSNP16865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96656	(C/T)
16866	CakSNP16866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96658	(A/C)
16867	CakSNP16867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96660	(G/A)
16868	CakSNP16868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96989	(A/G)
16869	CakSNP16869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96991	(A/G)
16870	CakSNP16870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96993	(T/A)
16871	CakSNP16871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96994	(G/T)
16872	CakSNP16872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	96995	(C/G)
16873	CakSNP16873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98504	(A/G)
16874	CakSNP16874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98519	(A/G)
16875	CakSNP16875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98520	(A/G)
16876	CakSNP16876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98532	(G/A)
16877	CakSNP16877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98534	(C/G)
16878	CakSNP16878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98536	(C/G)
16879	CakSNP16879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98537	(A/G)
16880	CakSNP16880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98550	(A/C)
16881	CakSNP16881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98564	(A/G)
16882	CakSNP16882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98567	(A/G)
16883	CakSNP16883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98874	(T/A)
16884	CakSNP16884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98885	(T/C)
16885	CakSNP16885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98887	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16886	CakSNP16886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	98913	(G/T)
16887	CakSNP16887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99120	(T/C)
16888	CakSNP16888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99137	(A/G)
16889	CakSNP16889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99210	(C/G)
16890	CakSNP16890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99212	(T/G)
16891	CakSNP16891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99214	(C/T)
16892	CakSNP16892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99215	(A/C)
16893	CakSNP16893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99985	(A/G)
16894	CakSNP16894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99996	(A/G)
16895	CakSNP16895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	99997	(A/G)
16896	CakSNP16896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100026	(C/G)
16897	CakSNP16897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100032	(A/G)
16898	CakSNP16898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100035	(A/T)
16899	CakSNP16899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100038	(C/G)
16900	CakSNP16900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100039	(C/G)
16901	CakSNP16901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100051	(A/G)
16902	CakSNP16902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100054	(A/G)
16903	CakSNP16903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	100063	(A/G)
16904	CakSNP16904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101348	(T/G)
16905	CakSNP16905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101357	(A/G)
16906	CakSNP16906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101358	(A/C)
16907	CakSNP16907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101359	(T/C)
16908	CakSNP16908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101361	(A/C)
16909	CakSNP16909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101362	(G/C)
16910	CakSNP16910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101363	(A/G)
16911	CakSNP16911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101364	(C/A)
16912	CakSNP16912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101367	(A/C)
16913	CakSNP16913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101371	(C/T)
16914	CakSNP16914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101919	(C/A)
16915	CakSNP16915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101920	(C/T)
16916	CakSNP16916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	101921	(G/C)
16917	CakSNP16917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102039	(A/G)
16918	CakSNP16918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102047	(G/A)
16919	CakSNP16919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102091	(A/C)
16920	CakSNP16920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102099	(C/T)
16921	CakSNP16921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102171	(G/A)
16922	CakSNP16922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	102173	(G/A)
16923	CakSNP16923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105285	(C/G)
16924	CakSNP16924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105303	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16925	CakSNP16925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105305	(T/C)
16926	CakSNP16926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105319	(G/T)
16927	CakSNP16927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105320	(T/G)
16928	CakSNP16928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105321	(C/A)
16929	CakSNP16929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105326	(T/G)
16930	CakSNP16930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105336	(A/G)
16931	CakSNP16931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105339	(C/G)
16932	CakSNP16932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105790	(G/T)
16933	CakSNP16933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105792	(T/C)
16934	CakSNP16934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105795	(A/C)
16935	CakSNP16935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	105819	(G/T)
16936	CakSNP16936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	106278	(A/G)
16937	CakSNP16937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	106280	(C/G)
16938	CakSNP16938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	106282	(T/G)
16939	CakSNP16939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	106284	(C/T)
16940	CakSNP16940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	107119	(C/G)
16941	CakSNP16941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	107120	(A/C)
16942	CakSNP16942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	107121	(G/C)
16943	CakSNP16943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	107124	(G/A)
16944	CakSNP16944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	107125	(A/T)
16945	CakSNP16945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	110466	(G/A)
16946	CakSNP16946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	110468	(G/A)
16947	CakSNP16947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	111292	(C/G)
16948	CakSNP16948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	111294	(T/G)
16949	CakSNP16949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	111296	(C/T)
16950	CakSNP16950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115118	(A/C)
16951	CakSNP16951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115119	(G/C)
16952	CakSNP16952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115122	(G/A)
16953	CakSNP16953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115123	(A/T)
16954	CakSNP16954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115219	(G/C)
16955	CakSNP16955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115220	(A/G)
16956	CakSNP16956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115768	(C/A)
16957	CakSNP16957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115769	(T/A)
16958	CakSNP16958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	115771	(C/G)
16959	CakSNP16959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116794	(G/A)
16960	CakSNP16960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116795	(A/T)
16961	CakSNP16961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116796	(G/A)
16962	CakSNP16962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116797	(C/T)
16963	CakSNP16963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116798	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
16964	CakSNP16964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	116954	(A/G)
16965	CakSNP16965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117155	(A/G)
16966	CakSNP16966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117163	(T/C)
16967	CakSNP16967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117344	(T/C)
16968	CakSNP16968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117345	(T/A)
16969	CakSNP16969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117346	(G/C)
16970	CakSNP16970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117347	(G/A)
16971	CakSNP16971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117802	(A/G)
16972	CakSNP16972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117804	(A/G)
16973	CakSNP16973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117806	(T/C)
16974	CakSNP16974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117807	(T/G)
16975	CakSNP16975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117901	(G/C)
16976	CakSNP16976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	117996	(T/G)
16977	CakSNP16977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	118000	(G/C)
16978	CakSNP16978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	118002	(A/G)
16979	CakSNP16979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	119682	(C/G)
16980	CakSNP16980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	119765	(A/G)
16981	CakSNP16981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	119767	(A/C)
16982	CakSNP16982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	122783	(T/C)
16983	CakSNP16983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	122839	(T/G)
16984	CakSNP16984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124009	(G/T)
16985	CakSNP16985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124031	(A/G)
16986	CakSNP16986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124227	(G/T)
16987	CakSNP16987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124274	(G/A)
16988	CakSNP16988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124738	(T/A)
16989	CakSNP16989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124751	(T/A)
16990	CakSNP16990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124772	(C/G)
16991	CakSNP16991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	124780	(A/G)
16992	CakSNP16992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	125616	(A/G)
16993	CakSNP16993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	125617	(T/G)
16994	CakSNP16994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	125618	(T/C)
16995	CakSNP16995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127024	(A/G)
16996	CakSNP16996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127401	(T/G)
16997	CakSNP16997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127409	(G/T)
16998	CakSNP16998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127410	(G/T)
16999	CakSNP16999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127411	(G/C)
17000	CakSNP17000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127493	(A/G)
17001	CakSNP17001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	127494	(A/G)
17002	CakSNP17002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129540	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17003	CakSNP17003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129899	(T/G)
17004	CakSNP17004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129902	(A/C)
17005	CakSNP17005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129903	(G/A)
17006	CakSNP17006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129904	(C/G)
17007	CakSNP17007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129905	(C/A)
17008	CakSNP17008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129906	(A/G)
17009	CakSNP17009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	129908	(G/A)
17010	CakSNP17010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	130839	(A/C)
17011	CakSNP17011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	130840	(T/G)
17012	CakSNP17012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	130841	(G/A)
17013	CakSNP17013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	130842	(C/T)
17014	CakSNP17014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	133633	(A/G)
17015	CakSNP17015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	133634	(A/G)
17016	CakSNP17016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	136132	(G/A)
17017	CakSNP17017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	136134	(G/A)
17018	CakSNP17018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	138972	(A/G)
17019	CakSNP17019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	139763	(T/G)
17020	CakSNP17020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	139764	(G/C)
17021	CakSNP17021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	140441	(G/T)
17022	CakSNP17022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	140457	(T/G)
17023	CakSNP17023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	140481	(A/G)
17024	CakSNP17024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	143491	(C/G)
17025	CakSNP17025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	143493	(T/G)
17026	CakSNP17026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	143495	(C/T)
17027	CakSNP17027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	143496	(A/C)
17028	CakSNP17028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	143497	(G/A)
17029	CakSNP17029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146274	(G/A)
17030	CakSNP17030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146364	(A/G)
17031	CakSNP17031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146747	(A/G)
17032	CakSNP17032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146749	(G/A)
17033	CakSNP17033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146751	(T/A)
17034	CakSNP17034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146753	(C/G)
17035	CakSNP17035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	146755	(G/C)
17036	CakSNP17036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	147027	(A/G)
17037	CakSNP17037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	147029	(A/G)
17038	CakSNP17038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	147031	(A/T)
17039	CakSNP17039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	147032	(G/T)
17040	CakSNP17040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	147033	(C/G)
17041	CakSNP17041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149439	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17042	CakSNP17042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149440	(G/T)
17043	CakSNP17043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149628	(C/G)
17044	CakSNP17044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149629	(C/A)
17045	CakSNP17045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149632	(C/G)
17046	CakSNP17046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149809	(A/G)
17047	CakSNP17047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149811	(A/G)
17048	CakSNP17048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	149813	(T/A)
17049	CakSNP17049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150092	(A/G)
17050	CakSNP17050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150094	(G/A)
17051	CakSNP17051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150096	(T/A)
17052	CakSNP17052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150097	(G/T)
17053	CakSNP17053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150098	(C/G)
17054	CakSNP17054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150669	(A/G)
17055	CakSNP17055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150688	(T/G)
17056	CakSNP17056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150703	(A/G)
17057	CakSNP17057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150706	(T/A)
17058	CakSNP17058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150720	(A/G)
17059	CakSNP17059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150730	(A/G)
17060	CakSNP17060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	150734	(G/A)
17061	CakSNP17061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	153852	(A/G)
17062	CakSNP17062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	154095	(C/G)
17063	CakSNP17063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	154096	(G/A)
17064	CakSNP17064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	154097	(T/A)
17065	CakSNP17065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	154098	(C/T)
17066	CakSNP17066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	154640	(G/A)
17067	CakSNP17067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	155679	(A/G)
17068	CakSNP17068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	155681	(A/G)
17069	CakSNP17069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	155683	(A/T)
17070	CakSNP17070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156229	(A/G)
17071	CakSNP17071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156322	(T/G)
17072	CakSNP17072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156323	(G/A)
17073	CakSNP17073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156324	(C/G)
17074	CakSNP17074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156325	(A/C)
17075	CakSNP17075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156492	(A/G)
17076	CakSNP17076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156493	(G/A)
17077	CakSNP17077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	156494	(C/G)
17078	CakSNP17078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	157819	(C/G)
17079	CakSNP17079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	157821	(G/A)
17080	CakSNP17080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	157822	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17081	CakSNP17081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	157997	(G/C)
17082	CakSNP17082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	158850	(C/A)
17083	CakSNP17083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159015	(G/A)
17084	CakSNP17084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159016	(G/C)
17085	CakSNP17085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159017	(A/C)
17086	CakSNP17086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159018	(A/G)
17087	CakSNP17087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159019	(T/A)
17088	CakSNP17088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	159020	(G/T)
17089	CakSNP17089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	164804	(T/G)
17090	CakSNP17090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	164847	(T/C)
17091	CakSNP17091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	164877	(A/G)
17092	CakSNP17092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	164886	(G/C)
17093	CakSNP17093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	165283	(C/G)
17094	CakSNP17094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	165296	(C/A)
17095	CakSNP17095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	165324	(A/G)
17096	CakSNP17096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	165355	(T/G)
17097	CakSNP17097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166177	(A/G)
17098	CakSNP17098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166179	(G/A)
17099	CakSNP17099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166181	(T/A)
17100	CakSNP17100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166736	(C/G)
17101	CakSNP17101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166737	(A/G)
17102	CakSNP17102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166738	(G/A)
17103	CakSNP17103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166758	(G/C)
17104	CakSNP17104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166767	(A/G)
17105	CakSNP17105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166786	(A/G)
17106	CakSNP17106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166809	(A/G)
17107	CakSNP17107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166828	(A/C)
17108	CakSNP17108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166836	(A/C)
17109	CakSNP17109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	166843	(G/T)
17110	CakSNP17110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	167563	(G/C)
17111	CakSNP17111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	167564	(C/A)
17112	CakSNP17112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	167565	(A/G)
17113	CakSNP17113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	167567	(A/G)
17114	CakSNP17114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	167569	(T/A)
17115	CakSNP17115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	169044	(A/G)
17116	CakSNP17116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	169046	(A/G)
17117	CakSNP17117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	169047	(G/A)
17118	CakSNP17118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	171930	(G/A)
17119	CakSNP17119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	171932	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17120	CakSNP17120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	171933	(A/G)
17121	CakSNP17121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	171983	(T/A)
17122	CakSNP17122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	171999	(G/T)
17123	CakSNP17123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	172017	(A/G)
17124	CakSNP17124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	172035	(T/A)
17125	CakSNP17125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	172044	(A/G)
17126	CakSNP17126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	173451	(A/G)
17127	CakSNP17127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	173462	(C/G)
17128	CakSNP17128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	173472	(C/G)
17129	CakSNP17129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	174632	(C/A)
17130	CakSNP17130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	174633	(A/G)
17131	CakSNP17131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	174635	(A/G)
17132	CakSNP17132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	175138	(C/G)
17133	CakSNP17133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	175160	(A/G)
17134	CakSNP17134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	175170	(T/G)
17135	CakSNP17135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176799	(T/G)
17136	CakSNP17136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176814	(T/A)
17137	CakSNP17137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176822	(T/G)
17138	CakSNP17138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176824	(C/G)
17139	CakSNP17139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176831	(T/G)
17140	CakSNP17140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176835	(T/G)
17141	CakSNP17141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176837	(A/G)
17142	CakSNP17142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176839	(T/G)
17143	CakSNP17143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	176874	(T/A)
17144	CakSNP17144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178198	(T/G)
17145	CakSNP17145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178200	(T/G)
17146	CakSNP17146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178205	(T/G)
17147	CakSNP17147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178212	(C/T)
17148	CakSNP17148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178217	(T/G)
17149	CakSNP17149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178238	(C/G)
17150	CakSNP17150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178243	(A/G)
17151	CakSNP17151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178249	(T/G)
17152	CakSNP17152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178251	(T/G)
17153	CakSNP17153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178276	(T/C)
17154	CakSNP17154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178736	(G/A)
17155	CakSNP17155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	178737	(C/T)
17156	CakSNP17156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	179759	(C/T)
17157	CakSNP17157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180307	(C/A)
17158	CakSNP17158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180309	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17159	CakSNP17159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180571	(G/A)
17160	CakSNP17160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180573	(G/A)
17161	CakSNP17161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180686	(A/G)
17162	CakSNP17162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	180689	(G/C)
17163	CakSNP17163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181636	(T/A)
17164	CakSNP17164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181639	(C/G)
17165	CakSNP17165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181670	(A/G)
17166	CakSNP17166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181675	(G/A)
17167	CakSNP17167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181679	(G/A)
17168	CakSNP17168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181698	(G/A)
17169	CakSNP17169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	181720	(C/G)
17170	CakSNP17170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	182277	(A/G)
17171	CakSNP17171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	182279	(A/T)
17172	CakSNP17172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	182280	(G/T)
17173	CakSNP17173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	182281	(C/G)
17174	CakSNP17174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	182628	(G/T)
17175	CakSNP17175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	183987	(G/C)
17176	CakSNP17176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	183990	(A/G)
17177	CakSNP17177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184118	(G/C)
17178	CakSNP17178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184181	(T/G)
17179	CakSNP17179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184211	(T/G)
17180	CakSNP17180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184231	(C/A)
17181	CakSNP17181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184333	(C/G)
17182	CakSNP17182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184359	(G/T)
17183	CakSNP17183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184367	(T/G)
17184	CakSNP17184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184370	(C/G)
17185	CakSNP17185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184372	(C/G)
17186	CakSNP17186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184427	(C/G)
17187	CakSNP17187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184440	(C/G)
17188	CakSNP17188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184460	(T/G)
17189	CakSNP17189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184487	(C/A)
17190	CakSNP17190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184509	(C/T)
17191	CakSNP17191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184521	(T/A)
17192	CakSNP17192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184541	(C/G)
17193	CakSNP17193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184553	(T/G)
17194	CakSNP17194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	184583	(T/G)
17195	CakSNP17195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185564	(C/G)
17196	CakSNP17196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185568	(T/G)
17197	CakSNP17197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185573	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17198	CakSNP17198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185577	(T/G)
17199	CakSNP17199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185579	(A/G)
17200	CakSNP17200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185583	(A/G)
17201	CakSNP17201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185634	(A/G)
17202	CakSNP17202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185645	(C/G)
17203	CakSNP17203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185653	(A/G)
17204	CakSNP17204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185657	(C/G)
17205	CakSNP17205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185669	(T/G)
17206	CakSNP17206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185674	(C/G)
17207	CakSNP17207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185679	(T/A)
17208	CakSNP17208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	185682	(T/G)
17209	CakSNP17209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	187188	(A/G)
17210	CakSNP17210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188302	(G/A)
17211	CakSNP17211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188305	(C/A)
17212	CakSNP17212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188306	(A/G)
17213	CakSNP17213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188308	(C/A)
17214	CakSNP17214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188310	(G/T)
17215	CakSNP17215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188312	(A/C)
17216	CakSNP17216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	188313	(C/A)
17217	CakSNP17217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	190388	(C/G)
17218	CakSNP17218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	190404	(C/G)
17219	CakSNP17219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	194914	(A/G)
17220	CakSNP17220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	194915	(C/G)
17221	CakSNP17221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	195589	(A/G)
17222	CakSNP17222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	195605	(C/G)
17223	CakSNP17223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	195642	(C/G)
17224	CakSNP17224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	195663	(T/A)
17225	CakSNP17225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	195669	(T/G)
17226	CakSNP17226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	196773	(C/G)
17227	CakSNP17227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	196775	(T/G)
17228	CakSNP17228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	196777	(C/T)
17229	CakSNP17229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197792	(A/G)
17230	CakSNP17230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197793	(G/C)
17231	CakSNP17231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197795	(A/G)
17232	CakSNP17232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197796	(G/A)
17233	CakSNP17233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197799	(C/A)
17234	CakSNP17234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197800	(C/T)
17235	CakSNP17235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197802	(A/C)
17236	CakSNP17236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197991	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17237	CakSNP17237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197992	(G/A)
17238	CakSNP17238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197993	(A/T)
17239	CakSNP17239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197994	(C/T)
17240	CakSNP17240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197995	(T/C)
17241	CakSNP17241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	197996	(C/T)
17242	CakSNP17242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198162	(T/G)
17243	CakSNP17243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198166	(C/G)
17244	CakSNP17244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198168	(A/G)
17245	CakSNP17245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198170	(G/A)
17246	CakSNP17246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198171	(C/A)
17247	CakSNP17247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198358	(T/G)
17248	CakSNP17248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198365	(A/G)
17249	CakSNP17249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198366	(C/A)
17250	CakSNP17250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198367	(C/T)
17251	CakSNP17251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198370	(C/T)
17252	CakSNP17252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198431	(G/A)
17253	CakSNP17253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198433	(A/G)
17254	CakSNP17254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198434	(G/A)
17255	CakSNP17255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198435	(A/G)
17256	CakSNP17256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198436	(G/C)
17257	CakSNP17257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198437	(C/G)
17258	CakSNP17258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198439	(G/T)
17259	CakSNP17259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198441	(T/C)
17260	CakSNP17260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198442	(C/A)
17261	CakSNP17261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198443	(A/G)
17262	CakSNP17262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198444	(G/C)
17263	CakSNP17263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198445	(C/A)
17264	CakSNP17264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198446	(A/G)
17265	CakSNP17265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198448	(G/A)
17266	CakSNP17266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198450	(A/T)
17267	CakSNP17267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198451	(T/G)
17268	CakSNP17268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198452	(G/C)
17269	CakSNP17269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198454	(C/G)
17270	CakSNP17270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198455	(G/A)
17271	CakSNP17271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198456	(A/G)
17272	CakSNP17272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198457	(G/A)
17273	CakSNP17273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198458	(A/C)
17274	CakSNP17274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	198842	(T/G)
17275	CakSNP17275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	199140	(C/A)

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17276	CakSNP17276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	199240	(T/C)
17277	CakSNP17277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	199747	(C/G)
17278	CakSNP17278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200458	(A/G)
17279	CakSNP17279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200459	(T/G)
17280	CakSNP17280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200728	(T/C)
17281	CakSNP17281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200743	(C/G)
17282	CakSNP17282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200890	(T/A)
17283	CakSNP17283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	200910	(G/A)
17284	CakSNP17284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201180	(G/T)
17285	CakSNP17285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201201	(A/G)
17286	CakSNP17286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201287	(A/C)
17287	CakSNP17287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201365	(A/T)
17288	CakSNP17288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201444	(T/G)
17289	CakSNP17289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201979	(G/A)
17290	CakSNP17290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201981	(G/A)
17291	CakSNP17291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	201982	(A/G)
17292	CakSNP17292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202419	(T/G)
17293	CakSNP17293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202456	(T/G)
17294	CakSNP17294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202459	(C/T)
17295	CakSNP17295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202460	(G/C)
17296	CakSNP17296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202461	(T/G)
17297	CakSNP17297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202523	(G/A)
17298	CakSNP17298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202525	(A/G)
17299	CakSNP17299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202526	(G/A)
17300	CakSNP17300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202527	(A/G)
17301	CakSNP17301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202529	(C/G)
17302	CakSNP17302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202531	(G/T)
17303	CakSNP17303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202533	(T/C)
17304	CakSNP17304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202534	(C/A)
17305	CakSNP17305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202535	(A/G)
17306	CakSNP17306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202536	(G/C)
17307	CakSNP17307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202537	(C/A)
17308	CakSNP17308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202538	(A/G)
17309	CakSNP17309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202540	(G/A)
17310	CakSNP17310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202542	(A/T)
17311	CakSNP17311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202544	(G/C)
17312	CakSNP17312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202546	(C/G)
17313	CakSNP17313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202547	(G/A)
17314	CakSNP17314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202548	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17315	CakSNP17315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202549	(G/A)
17316	CakSNP17316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202550	(A/T)
17317	CakSNP17317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202551	(C/A)
17318	CakSNP17318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	202553	(C/G)
17319	CakSNP17319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	204292	(A/G)
17320	CakSNP17320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	204293	(G/C)
17321	CakSNP17321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207676	(T/A)
17322	CakSNP17322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207681	(T/G)
17323	CakSNP17323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207690	(C/G)
17324	CakSNP17324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207698	(A/G)
17325	CakSNP17325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207703	(T/A)
17326	CakSNP17326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207712	(C/G)
17327	CakSNP17327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207716	(C/G)
17328	CakSNP17328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	207737	(T/G)
17329	CakSNP17329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	208035	(G/A)
17330	CakSNP17330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	208036	(A/T)
17331	CakSNP17331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	208037	(C/T)
17332	CakSNP17332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	208042	(A/T)
17333	CakSNP17333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	209330	(A/G)
17334	CakSNP17334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	209332	(C/T)
17335	CakSNP17335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	209333	(C/G)
17336	CakSNP17336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	209334	(G/C)
17337	CakSNP17337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	210208	(A/T)
17338	CakSNP17338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	210216	(T/C)
17339	CakSNP17339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	210225	(G/A)
17340	CakSNP17340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	210237	(A/T)
17341	CakSNP17341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215170	(G/A)
17342	CakSNP17342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215678	(T/G)
17343	CakSNP17343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215689	(C/A)
17344	CakSNP17344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215699	(A/G)
17345	CakSNP17345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215705	(T/G)
17346	CakSNP17346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215723	(A/G)
17347	CakSNP17347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215731	(C/G)
17348	CakSNP17348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215752	(G/A)
17349	CakSNP17349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	215757	(G/T)
17350	CakSNP17350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	217228	(C/A)
17351	CakSNP17351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	217229	(A/T)
17352	CakSNP17352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	217232	(C/A)
17353	CakSNP17353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	220674	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17354	CakSNP17354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	220676	(T/G)
17355	CakSNP17355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	220678	(C/T)
17356	CakSNP17356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	220679	(A/C)
17357	CakSNP17357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	222258	(C/G)
17358	CakSNP17358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	222260	(T/G)
17359	CakSNP17359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	222262	(C/T)
17360	CakSNP17360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223208	(C/A)
17361	CakSNP17361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223209	(T/A)
17362	CakSNP17362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223211	(C/G)
17363	CakSNP17363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223224	(G/A)
17364	CakSNP17364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223241	(T/G)
17365	CakSNP17365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223243	(A/G)
17366	CakSNP17366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223248	(A/C)
17367	CakSNP17367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223251	(T/G)
17368	CakSNP17368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223258	(A/G)
17369	CakSNP17369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	223261	(G/A)
17370	CakSNP17370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224544	(T/C)
17371	CakSNP17371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224555	(G/A)
17372	CakSNP17372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224557	(T/C)
17373	CakSNP17373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224865	(C/A)
17374	CakSNP17374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224867	(C/G)
17375	CakSNP17375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	224868	(G/A)
17376	CakSNP17376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225042	(A/G)
17377	CakSNP17377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225043	(A/G)
17378	CakSNP17378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225408	(A/C)
17379	CakSNP17379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225409	(C/A)
17380	CakSNP17380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225414	(T/A)
17381	CakSNP17381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225417	(G/T)
17382	CakSNP17382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225422	(G/C)
17383	CakSNP17383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	225425	(T/G)
17384	CakSNP17384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	230711	(G/T)
17385	CakSNP17385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	230712	(C/T)
17386	CakSNP17386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	232397	(G/C)
17387	CakSNP17387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	232398	(C/G)
17388	CakSNP17388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	232399	(C/A)
17389	CakSNP17389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	232400	(T/G)
17390	CakSNP17390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	232401	(C/A)
17391	CakSNP17391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	235464	(C/A)
17392	CakSNP17392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	238447	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17393	CakSNP17393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	238449	(A/G)
17394	CakSNP17394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	238451	(T/A)
17395	CakSNP17395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	238452	(G/T)
17396	CakSNP17396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	239728	(G/T)
17397	CakSNP17397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	240943	(C/T)
17398	CakSNP17398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	248697	(A/C)
17399	CakSNP17399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	248719	(T/C)
17400	CakSNP17400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	248775	(T/G)
17401	CakSNP17401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	256228	(A/G)
17402	CakSNP17402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	256262	(T/G)
17403	CakSNP17403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	256272	(G/A)
17404	CakSNP17404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	264802	(G/C)
17405	CakSNP17405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	264812	(T/G)
17406	CakSNP17406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	264815	(C/G)
17407	CakSNP17407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	264817	(G/C)
17408	CakSNP17408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	264819	(A/G)
17409	CakSNP17409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	265972	(A/G)
17410	CakSNP17410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	268126	(G/T)
17411	CakSNP17411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	268171	(T/C)
17412	CakSNP17412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	273531	(A/G)
17413	CakSNP17413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	273541	(C/G)
17414	CakSNP17414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	273543	(G/C)
17415	CakSNP17415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	275658	(T/G)
17416	CakSNP17416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	275671	(A/G)
17417	CakSNP17417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	275698	(T/G)
17418	CakSNP17418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281765	(C/G)
17419	CakSNP17419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281766	(G/C)
17420	CakSNP17420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281767	(G/A)
17421	CakSNP17421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281768	(T/G)
17422	CakSNP17422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281769	(T/G)
17423	CakSNP17423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	281770	(A/C)
17424	CakSNP17424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	290341	(T/A)
17425	CakSNP17425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	290342	(T/G)
17426	CakSNP17426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	290344	(C/T)
17427	CakSNP17427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	290345	(G/T)
17428	CakSNP17428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	299355	(A/T)
17429	CakSNP17429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	299356	(C/T)
17430	CakSNP17430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300954	(A/G)
17431	CakSNP17431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300963	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17432	CakSNP17432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300979	(A/G)
17433	CakSNP17433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300980	(T/G)
17434	CakSNP17434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300982	(T/G)
17435	CakSNP17435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	300994	(A/G)
17436	CakSNP17436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301008	(A/G)
17437	CakSNP17437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301011	(C/G)
17438	CakSNP17438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301012	(C/G)
17439	CakSNP17439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301021	(A/G)
17440	CakSNP17440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301027	(A/G)
17441	CakSNP17441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	301037	(A/G)
17442	CakSNP17442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	305833	(T/G)
17443	CakSNP17443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	309250	(C/G)
17444	CakSNP17444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	309283	(A/G)
17445	CakSNP17445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	309293	(C/G)
17446	CakSNP17446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	312821	(A/G)
17447	CakSNP17447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	313026	(T/G)
17448	CakSNP17448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	313030	(G/C)
17449	CakSNP17449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	313032	(A/G)
17450	CakSNP17450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	313033	(T/G)
17451	CakSNP17451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	313034	(G/A)
17452	CakSNP17452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	315534	(G/C)
17453	CakSNP17453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	315535	(C/G)
17454	CakSNP17454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	316184	(G/C)
17455	CakSNP17455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	319444	(A/G)
17456	CakSNP17456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	324057	(T/G)
17457	CakSNP17457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	325498	(A/G)
17458	CakSNP17458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	325500	(G/A)
17459	CakSNP17459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	327160	(G/A)
17460	CakSNP17460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	327161	(A/T)
17461	CakSNP17461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	327162	(G/A)
17462	CakSNP17462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328553	(A/G)
17463	CakSNP17463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328554	(A/G)
17464	CakSNP17464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328555	(G/T)
17465	CakSNP17465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328556	(A/C)
17466	CakSNP17466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328867	(G/A)
17467	CakSNP17467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328887	(A/G)
17468	CakSNP17468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328899	(A/C)
17469	CakSNP17469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	328908	(C/A)
17470	CakSNP17470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	329973	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17471	CakSNP17471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	329977	(A/G)
17472	CakSNP17472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	329986	(A/G)
17473	CakSNP17473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	329993	(T/G)
17474	CakSNP17474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	329999	(G/A)
17475	CakSNP17475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	330000	(A/G)
17476	CakSNP17476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	332747	(G/T)
17477	CakSNP17477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	332748	(A/C)
17478	CakSNP17478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	332751	(G/C)
17479	CakSNP17479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	332755	(G/C)
17480	CakSNP17480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	337250	(T/C)
17481	CakSNP17481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	337257	(T/G)
17482	CakSNP17482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	337269	(T/G)
17483	CakSNP17483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	337289	(T/G)
17484	CakSNP17484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	337405	(T/C)
17485	CakSNP17485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	341733	(T/G)
17486	CakSNP17486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	341774	(A/G)
17487	CakSNP17487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	348683	(C/A)
17488	CakSNP17488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	348717	(C/G)
17489	CakSNP17489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	352430	(T/G)
17490	CakSNP17490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	352452	(T/G)
17491	CakSNP17491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	352471	(C/A)
17492	CakSNP17492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356259	(G/A)
17493	CakSNP17493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356260	(G/A)
17494	CakSNP17494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356262	(T/G)
17495	CakSNP17495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356264	(A/C)
17496	CakSNP17496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356266	(A/C)
17497	CakSNP17497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356835	(G/A)
17498	CakSNP17498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	356836	(T/A)
17499	CakSNP17499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357513	(C/A)
17500	CakSNP17500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357533	(T/G)
17501	CakSNP17501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357578	(G/C)
17502	CakSNP17502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357580	(G/A)
17503	CakSNP17503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357581	(A/T)
17504	CakSNP17504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357582	(C/A)
17505	CakSNP17505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357583	(T/C)
17506	CakSNP17506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357584	(C/G)
17507	CakSNP17507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357585	(G/T)
17508	CakSNP17508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	357586	(T/C)
17509	CakSNP17509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	358284	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17510	CakSNP17510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	358878	(C/G)
17511	CakSNP17511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	358879	(A/C)
17512	CakSNP17512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	358882	(C/G)
17513	CakSNP17513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359691	(C/G)
17514	CakSNP17514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359693	(G/A)
17515	CakSNP17515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359695	(A/G)
17516	CakSNP17516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359696	(G/A)
17517	CakSNP17517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359697	(A/G)
17518	CakSNP17518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359698	(G/C)
17519	CakSNP17519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359699	(C/G)
17520	CakSNP17520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359701	(G/T)
17521	CakSNP17521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359703	(T/C)
17522	CakSNP17522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359704	(C/A)
17523	CakSNP17523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359705	(A/G)
17524	CakSNP17524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359706	(G/C)
17525	CakSNP17525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359707	(C/A)
17526	CakSNP17526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359708	(A/G)
17527	CakSNP17527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359710	(G/A)
17528	CakSNP17528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359712	(A/T)
17529	CakSNP17529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359713	(T/G)
17530	CakSNP17530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359714	(G/C)
17531	CakSNP17531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359716	(C/G)
17532	CakSNP17532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359717	(G/A)
17533	CakSNP17533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359718	(A/G)
17534	CakSNP17534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359719	(G/A)
17535	CakSNP17535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359720	(A/C)
17536	CakSNP17536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359722	(C/G)
17537	CakSNP17537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359724	(G/T)
17538	CakSNP17538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	359725	(A/C)
17539	CakSNP17539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	364778	(T/G)
17540	CakSNP17540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	364839	(A/C)
17541	CakSNP17541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	366496	(A/G)
17542	CakSNP17542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	366498	(C/A)
17543	CakSNP17543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	369650	(A/G)
17544	CakSNP17544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	375270	(G/A)
17545	CakSNP17545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	375282	(T/G)
17546	CakSNP17546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	381255	(T/G)
17547	CakSNP17547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	381258	(T/G)
17548	CakSNP17548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	381275	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17549	CakSNP17549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	382497	(G/A)
17550	CakSNP17550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	386867	(G/C)
17551	CakSNP17551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	386970	(G/C)
17552	CakSNP17552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389031	(T/G)
17553	CakSNP17553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389037	(A/G)
17554	CakSNP17554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389049	(C/G)
17555	CakSNP17555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389058	(T/G)
17556	CakSNP17556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389063	(T/G)
17557	CakSNP17557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389071	(C/G)
17558	CakSNP17558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389076	(A/G)
17559	CakSNP17559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	389084	(C/G)
17560	CakSNP17560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	392493	(T/G)
17561	CakSNP17561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396462	(A/T)
17562	CakSNP17562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396485	(T/G)
17563	CakSNP17563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396487	(T/G)
17564	CakSNP17564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396520	(T/G)
17565	CakSNP17565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396522	(T/G)
17566	CakSNP17566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	396537	(T/A)
17567	CakSNP17567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	401937	(C/G)
17568	CakSNP17568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	401939	(C/G)
17569	CakSNP17569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	401940	(G/A)
17570	CakSNP17570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	401941	(A/G)
17571	CakSNP17571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	405694	(G/C)
17572	CakSNP17572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	408057	(A/G)
17573	CakSNP17573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	408058	(T/G)
17574	CakSNP17574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	408059	(T/C)
17575	CakSNP17575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	408060	(C/G)
17576	CakSNP17576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409398	(A/G)
17577	CakSNP17577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409408	(C/G)
17578	CakSNP17578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409485	(A/G)
17579	CakSNP17579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409491	(A/G)
17580	CakSNP17580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409503	(A/G)
17581	CakSNP17581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409516	(C/A)
17582	CakSNP17582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409517	(C/G)
17583	CakSNP17583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	409538	(T/G)
17584	CakSNP17584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	412542	(A/G)
17585	CakSNP17585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	412543	(G/C)
17586	CakSNP17586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	412544	(A/C)
17587	CakSNP17587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	412545	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17588	CakSNP17588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416852	(C/G)
17589	CakSNP17589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416855	(T/G)
17590	CakSNP17590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416876	(T/G)
17591	CakSNP17591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416887	(A/G)
17592	CakSNP17592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416915	(A/G)
17593	CakSNP17593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	416999	(A/T)
17594	CakSNP17594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	417000	(A/C)
17595	CakSNP17595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420045	(A/G)
17596	CakSNP17596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420049	(A/G)
17597	CakSNP17597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420278	(A/G)
17598	CakSNP17598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420290	(C/G)
17599	CakSNP17599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420297	(C/G)
17600	CakSNP17600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420313	(A/G)
17601	CakSNP17601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420318	(C/G)
17602	CakSNP17602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420329	(A/G)
17603	CakSNP17603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	420360	(A/G)
17604	CakSNP17604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	422246	(C/G)
17605	CakSNP17605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	422283	(G/A)
17606	CakSNP17606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	422291	(T/G)
17607	CakSNP17607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	422304	(C/A)
17608	CakSNP17608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	425114	(A/G)
17609	CakSNP17609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	425192	(A/G)
17610	CakSNP17610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	427123	(T/G)
17611	CakSNP17611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	440472	(A/G)
17612	CakSNP17612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	441668	(T/G)
17613	CakSNP17613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442080	(T/G)
17614	CakSNP17614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442120	(T/C)
17615	CakSNP17615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442121	(C/A)
17616	CakSNP17616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442122	(T/A)
17617	CakSNP17617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442213	(C/T)
17618	CakSNP17618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442216	(C/T)
17619	CakSNP17619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442391	(G/C)
17620	CakSNP17620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442393	(C/G)
17621	CakSNP17621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442394	(G/A)
17622	CakSNP17622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442395	(G/A)
17623	CakSNP17623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442398	(C/T)
17624	CakSNP17624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442399	(G/C)
17625	CakSNP17625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442400	(A/G)
17626	CakSNP17626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	442402	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17627	CakSNP17627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	443991	(T/G)
17628	CakSNP17628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	444015	(T/C)
17629	CakSNP17629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	444023	(T/G)
17630	CakSNP17630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	444031	(A/G)
17631	CakSNP17631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453291	(C/G)
17632	CakSNP17632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453300	(A/G)
17633	CakSNP17633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453318	(A/G)
17634	CakSNP17634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453861	(G/A)
17635	CakSNP17635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453862	(G/A)
17636	CakSNP17636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	453900	(G/A)
17637	CakSNP17637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	454466	(C/G)
17638	CakSNP17638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	468460	(G/A)
17639	CakSNP17639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	469180	(A/G)
17640	CakSNP17640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	476805	(G/C)
17641	CakSNP17641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	476807	(C/G)
17642	CakSNP17642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	476808	(A/G)
17643	CakSNP17643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	476809	(G/A)
17644	CakSNP17644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	476811	(C/A)
17645	CakSNP17645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	479038	(C/A)
17646	CakSNP17646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	479043	(A/G)
17647	CakSNP17647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	489994	(T/G)
17648	CakSNP17648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490709	(G/C)
17649	CakSNP17649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490829	(C/A)
17650	CakSNP17650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490851	(A/C)
17651	CakSNP17651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490863	(T/G)
17652	CakSNP17652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490944	(C/A)
17653	CakSNP17653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490945	(A/T)
17654	CakSNP17654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490946	(G/T)
17655	CakSNP17655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	490947	(A/C)
17656	CakSNP17656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	491027	(G/T)
17657	CakSNP17657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	492735	(A/T)
17658	CakSNP17658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	500805	(A/C)
17659	CakSNP17659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504532	(T/G)
17660	CakSNP17660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504535	(C/G)
17661	CakSNP17661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504543	(T/G)
17662	CakSNP17662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504570	(A/G)
17663	CakSNP17663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504576	(T/G)
17664	CakSNP17664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504608	(G/A)
17665	CakSNP17665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	504615	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17666	CakSNP17666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	514036	(G/C)
17667	CakSNP17667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	514044	(T/C)
17668	CakSNP17668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	520412	(A/G)
17669	CakSNP17669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	520413	(G/A)
17670	CakSNP17670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	520414	(G/T)
17671	CakSNP17671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	520415	(A/C)
17672	CakSNP17672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	520883	(G/A)
17673	CakSNP17673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	523230	(A/G)
17674	CakSNP17674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	523242	(T/A)
17675	CakSNP17675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	525830	(C/A)
17676	CakSNP17676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	525854	(T/A)
17677	CakSNP17677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	525877	(G/C)
17678	CakSNP17678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	533049	(A/T)
17679	CakSNP17679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	533050	(G/T)
17680	CakSNP17680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	533054	(C/T)
17681	CakSNP17681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	534272	(A/G)
17682	CakSNP17682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	554834	(G/C)
17683	CakSNP17683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	554836	(A/G)
17684	CakSNP17684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	554837	(G/A)
17685	CakSNP17685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	554838	(G/A)
17686	CakSNP17686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	554839	(A/G)
17687	CakSNP17687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	565001	(C/G)
17688	CakSNP17688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	565008	(T/G)
17689	CakSNP17689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	565056	(A/G)
17690	CakSNP17690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	565065	(C/G)
17691	CakSNP17691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	566223	(A/G)
17692	CakSNP17692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	566225	(T/G)
17693	CakSNP17693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	566238	(C/A)
17694	CakSNP17694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	566255	(T/C)
17695	CakSNP17695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	575792	(T/G)
17696	CakSNP17696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	575809	(A/G)
17697	CakSNP17697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	736077	(A/C)
17698	CakSNP17698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	861305	(T/C)
17699	CakSNP17699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	861308	(G/C)
17700	CakSNP17700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930198	(T/A)
17701	CakSNP17701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930227	(T/G)
17702	CakSNP17702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930235	(A/G)
17703	CakSNP17703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930257	(T/G)
17704	CakSNP17704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930278	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17705	CakSNP17705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	930279	(G/A)
17706	CakSNP17706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	933718	(C/A)
17707	CakSNP17707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	933719	(T/G)
17708	CakSNP17708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	933720	(C/A)
17709	CakSNP17709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	965223	(A/G)
17710	CakSNP17710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1158419	(G/C)
17711	CakSNP17711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1158466	(C/G)
17712	CakSNP17712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1188058	(C/A)
17713	CakSNP17713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1188059	(A/C)
17714	CakSNP17714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1188060	(G/C)
17715	CakSNP17715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1188063	(T/A)
17716	CakSNP17716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1188064	(C/T)
17717	CakSNP17717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286765	(C/A)
17718	CakSNP17718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286799	(T/G)
17719	CakSNP17719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286839	(C/A)
17720	CakSNP17720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286848	(T/G)
17721	CakSNP17721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286873	(T/A)
17722	CakSNP17722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286885	(A/G)
17723	CakSNP17723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286892	(T/G)
17724	CakSNP17724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286899	(A/G)
17725	CakSNP17725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1286901	(C/A)
17726	CakSNP17726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1541967	(C/G)
17727	CakSNP17727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1542153	(T/G)
17728	CakSNP17728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1602962	(T/A)
17729	CakSNP17729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603019	(T/C)
17730	CakSNP17730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603020	(T/A)
17731	CakSNP17731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603038	(A/C)
17732	CakSNP17732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603067	(C/G)
17733	CakSNP17733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603073	(G/T)
17734	CakSNP17734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1603120	(G/C)
17735	CakSNP17735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1604436	(A/G)
17736	CakSNP17736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1604633	(G/A)
17737	CakSNP17737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1604645	(G/A)
17738	CakSNP17738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1604682	(T/G)
17739	CakSNP17739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1607526	(A/G)
17740	CakSNP17740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1621430	(C/G)
17741	CakSNP17741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1621431	(C/G)
17742	CakSNP17742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1622000	(T/A)
17743	CakSNP17743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1622001	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17744	CakSNP17744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1622005	(G/C)
17745	CakSNP17745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1627804	(A/G)
17746	CakSNP17746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1627832	(C/G)
17747	CakSNP17747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1627845	(C/G)
17748	CakSNP17748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1629193	(C/G)
17749	CakSNP17749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1629194	(G/T)
17750	CakSNP17750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1629209	(C/G)
17751	CakSNP17751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1629225	(T/G)
17752	CakSNP17752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1645344	(A/C)
17753	CakSNP17753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1646822	(T/A)
17754	CakSNP17754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1646824	(C/G)
17755	CakSNP17755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1646825	(C/A)
17756	CakSNP17756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1646826	(C/G)
17757	CakSNP17757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1651702	(C/G)
17758	CakSNP17758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1651703	(G/A)
17759	CakSNP17759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1651738	(A/G)
17760	CakSNP17760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1657001	(C/G)
17761	CakSNP17761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1657040	(T/G)
17762	CakSNP17762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662755	(C/G)
17763	CakSNP17763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662758	(A/G)
17764	CakSNP17764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662759	(T/G)
17765	CakSNP17765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662766	(G/A)
17766	CakSNP17766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662768	(A/G)
17767	CakSNP17767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1662796	(G/A)
17768	CakSNP17768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1664534	(T/G)
17769	CakSNP17769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1664562	(T/G)
17770	CakSNP17770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1664573	(A/G)
17771	CakSNP17771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1665734	(A/G)
17772	CakSNP17772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1665742	(G/A)
17773	CakSNP17773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1665774	(C/G)
17774	CakSNP17774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1665815	(T/G)
17775	CakSNP17775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1670929	(C/T)
17776	CakSNP17776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1670930	(C/G)
17777	CakSNP17777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1670931	(G/C)
17778	CakSNP17778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1670932	(A/C)
17779	CakSNP17779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674472	(T/G)
17780	CakSNP17780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674473	(T/G)
17781	CakSNP17781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674498	(G/A)
17782	CakSNP17782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674513	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17783	CakSNP17783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674786	(T/G)
17784	CakSNP17784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674794	(G/T)
17785	CakSNP17785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1674824	(T/G)
17786	CakSNP17786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676619	(A/C)
17787	CakSNP17787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676622	(C/A)
17788	CakSNP17788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676628	(C/G)
17789	CakSNP17789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676641	(T/A)
17790	CakSNP17790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676642	(T/G)
17791	CakSNP17791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676643	(T/G)
17792	CakSNP17792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676647	(A/G)
17793	CakSNP17793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676665	(T/G)
17794	CakSNP17794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1676692	(T/G)
17795	CakSNP17795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1679945	(C/T)
17796	CakSNP17796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1684919	(A/T)
17797	CakSNP17797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1684920	(G/T)
17798	CakSNP17798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1684923	(T/G)
17799	CakSNP17799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1685743	(A/C)
17800	CakSNP17800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1685744	(C/T)
17801	CakSNP17801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1685745	(T/C)
17802	CakSNP17802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1687665	(A/G)
17803	CakSNP17803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1687667	(A/G)
17804	CakSNP17804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1687669	(A/T)
17805	CakSNP17805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1688595	(A/T)
17806	CakSNP17806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1688596	(T/C)
17807	CakSNP17807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1688598	(C/A)
17808	CakSNP17808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1688599	(A/T)
17809	CakSNP17809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1688600	(C/A)
17810	CakSNP17810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1690593	(G/A)
17811	CakSNP17811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1690595	(T/G)
17812	CakSNP17812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1690605	(T/A)
17813	CakSNP17813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1696698	(T/G)
17814	CakSNP17814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1696705	(C/G)
17815	CakSNP17815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1698932	(G/C)
17816	CakSNP17816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1698934	(A/G)
17817	CakSNP17817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1698960	(A/G)
17818	CakSNP17818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1699496	(C/G)
17819	CakSNP17819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1699498	(C/G)
17820	CakSNP17820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1699521	(T/G)
17821	CakSNP17821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1699556	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17822	CakSNP17822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1699569	(A/T)
17823	CakSNP17823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707083	(C/A)
17824	CakSNP17824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707085	(C/G)
17825	CakSNP17825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707086	(A/T)
17826	CakSNP17826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707560	(C/A)
17827	CakSNP17827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707561	(A/G)
17828	CakSNP17828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707563	(A/G)
17829	CakSNP17829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1707565	(T/A)
17830	CakSNP17830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1732322	(A/G)
17831	CakSNP17831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1732338	(C/T)
17832	CakSNP17832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1734760	(G/C)
17833	CakSNP17833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735490	(C/G)
17834	CakSNP17834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735502	(C/T)
17835	CakSNP17835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735523	(T/C)
17836	CakSNP17836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735891	(T/G)
17837	CakSNP17837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735929	(T/A)
17838	CakSNP17838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735956	(G/C)
17839	CakSNP17839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1735988	(A/G)
17840	CakSNP17840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1737810	(A/G)
17841	CakSNP17841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1737898	(T/G)
17842	CakSNP17842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1737939	(G/A)
17843	CakSNP17843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1737964	(C/A)
17844	CakSNP17844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1739167	(G/C)
17845	CakSNP17845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1739168	(A/C)
17846	CakSNP17846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1739955	(G/A)
17847	CakSNP17847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1740013	(T/G)
17848	CakSNP17848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1741581	(G/A)
17849	CakSNP17849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1745745	(C/T)
17850	CakSNP17850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1745967	(G/T)
17851	CakSNP17851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1773627	(C/T)
17852	CakSNP17852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1773675	(T/G)
17853	CakSNP17853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1778702	(T/A)
17854	CakSNP17854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1778708	(G/A)
17855	CakSNP17855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1782502	(C/T)
17856	CakSNP17856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1782521	(T/C)
17857	CakSNP17857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1785710	(T/C)
17858	CakSNP17858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1799281	(G/T)
17859	CakSNP17859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1835504	(G/A)
17860	CakSNP17860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1848623	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17861	CakSNP17861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1865044	(C/G)
17862	CakSNP17862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1865051	(T/C)
17863	CakSNP17863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1877655	(A/C)
17864	CakSNP17864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1885551	(C/T)
17865	CakSNP17865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1885575	(G/A)
17866	CakSNP17866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1892464	(C/T)
17867	CakSNP17867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1892470	(A/T)
17868	CakSNP17868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1898838	(A/G)
17869	CakSNP17869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1898842	(G/A)
17870	CakSNP17870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1907169	(C/T)
17871	CakSNP17871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1954938	(C/T)
17872	CakSNP17872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1973101	(A/C)
17873	CakSNP17873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1981659	(C/G)
17874	CakSNP17874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	1981685	(C/T)
17875	CakSNP17875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2017269	(C/T)
17876	CakSNP17876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2017293	(G/A)
17877	CakSNP17877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2082507	(C/T)
17878	CakSNP17878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2082510	(T/C)
17879	CakSNP17879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2083031	(G/C)
17880	CakSNP17880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2083034	(G/A)
17881	CakSNP17881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2083043	(T/G)
17882	CakSNP17882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2086223	(A/C)
17883	CakSNP17883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2089458	(A/G)
17884	CakSNP17884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2089483	(G/C)
17885	CakSNP17885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2103496	(C/G)
17886	CakSNP17886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2117543	(A/G)
17887	CakSNP17887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2179176	(A/C)
17888	CakSNP17888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2196538	(T/A)
17889	CakSNP17889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2196959	(G/A)
17890	CakSNP17890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2196969	(G/A)
17891	CakSNP17891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2204023	(C/T)
17892	CakSNP17892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2212621	(C/T)
17893	CakSNP17893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2212895	(C/T)
17894	CakSNP17894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2238931	(C/T)
17895	CakSNP17895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2238976	(C/T)
17896	CakSNP17896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2272968	(G/A)
17897	CakSNP17897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2289863	(C/A)
17898	CakSNP17898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2329264	(G/A)
17899	CakSNP17899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2339668	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17900	CakSNP17900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2345594	(A/T)
17901	CakSNP17901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2349919	(G/T)
17902	CakSNP17902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2349923	(T/G)
17903	CakSNP17903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2352980	(T/G)
17904	CakSNP17904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2368635	(A/T)
17905	CakSNP17905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2377565	(G/T)
17906	CakSNP17906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2378145	(G/A)
17907	CakSNP17907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2422055	(G/A)
17908	CakSNP17908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2424690	(C/T)
17909	CakSNP17909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2436733	(T/G)
17910	CakSNP17910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2442765	(G/C)
17911	CakSNP17911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2472151	(C/G)
17912	CakSNP17912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2472157	(T/C)
17913	CakSNP17913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2472160	(A/C)
17914	CakSNP17914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2481362	(C/G)
17915	CakSNP17915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2481371	(G/C)
17916	CakSNP17916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2484130	(G/C)
17917	CakSNP17917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2493981	(A/C)
17918	CakSNP17918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2521639	(T/C)
17919	CakSNP17919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2532212	(C/T)
17920	CakSNP17920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2534679	(T/C)
17921	CakSNP17921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2543790	(C/G)
17922	CakSNP17922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2543805	(G/A)
17923	CakSNP17923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2557532	(T/G)
17924	CakSNP17924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2566186	(C/T)
17925	CakSNP17925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2586184	(T/C)
17926	CakSNP17926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2596306	(G/A)
17927	CakSNP17927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2599278	(C/T)
17928	CakSNP17928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2599284	(T/C)
17929	CakSNP17929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2810251	(C/G)
17930	CakSNP17930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2822788	(C/T)
17931	CakSNP17931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2822794	(G/A)
17932	CakSNP17932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2841190	(C/G)
17933	CakSNP17933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2899276	(A/G)
17934	CakSNP17934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2905320	(A/C)
17935	CakSNP17935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2920107	(A/C)
17936	CakSNP17936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2943170	(A/C)
17937	CakSNP17937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2950044	(T/C)
17938	CakSNP17938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2967013	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17939	CakSNP17939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2986733	(G/C)
17940	CakSNP17940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	2988473	(G/A)
17941	CakSNP17941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3002912	(G/C)
17942	CakSNP17942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3004600	(C/G)
17943	CakSNP17943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3028757	(A/G)
17944	CakSNP17944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3058052	(G/A)
17945	CakSNP17945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3067960	(A/G)
17946	CakSNP17946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3075746	(C/G)
17947	CakSNP17947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3075749	(A/G)
17948	CakSNP17948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3082312	(T/A)
17949	CakSNP17949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3102755	(C/T)
17950	CakSNP17950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3112730	(C/T)
17951	CakSNP17951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3119860	(G/A)
17952	CakSNP17952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3119864	(A/G)
17953	CakSNP17953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3122405	(A/G)
17954	CakSNP17954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3158126	(G/T)
17955	CakSNP17955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3158176	(G/A)
17956	CakSNP17956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3195629	(G/A)
17957	CakSNP17957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3234354	(G/A)
17958	CakSNP17958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3236873	(A/G)
17959	CakSNP17959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3236875	(T/C)
17960	CakSNP17960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3236878	(T/G)
17961	CakSNP17961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3303558	(A/C)
17962	CakSNP17962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3303631	(G/C)
17963	CakSNP17963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3315370	(A/G)
17964	CakSNP17964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3315379	(A/G)
17965	CakSNP17965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3366344	(C/T)
17966	CakSNP17966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3366389	(G/T)
17967	CakSNP17967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3376003	(A/G)
17968	CakSNP17968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3376309	(T/C)
17969	CakSNP17969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3381616	(T/C)
17970	CakSNP17970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3383148	(T/C)
17971	CakSNP17971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3397038	(T/C)
17972	CakSNP17972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3401848	(A/C)
17973	CakSNP17973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3419633	(C/G)
17974	CakSNP17974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3427074	(A/G)
17975	CakSNP17975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3438889	(C/T)
17976	CakSNP17976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3520157	(T/C)
17977	CakSNP17977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3520187	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
17978	CakSNP17978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3563125	(C/T)
17979	CakSNP17979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3569168	(A/G)
17980	CakSNP17980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3569183	(A/G)
17981	CakSNP17981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3593979	(G/T)
17982	CakSNP17982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3608269	(C/T)
17983	CakSNP17983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3608277	(G/T)
17984	CakSNP17984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3619659	(C/T)
17985	CakSNP17985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3619740	(A/G)
17986	CakSNP17986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3621163	(G/A)
17987	CakSNP17987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3621166	(T/G)
17988	CakSNP17988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3627246	(T/A)
17989	CakSNP17989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3640534	(G/A)
17990	CakSNP17990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3640537	(A/G)
17991	CakSNP17991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3643962	(C/T)
17992	CakSNP17992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3649832	(T/G)
17993	CakSNP17993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3649844	(A/G)
17994	CakSNP17994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3656017	(A/C)
17995	CakSNP17995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3733774	(C/T)
17996	CakSNP17996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3733795	(C/G)
17997	CakSNP17997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3733959	(G/A)
17998	CakSNP17998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3865215	(A/G)
17999	CakSNP17999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3882576	(G/A)
18000	CakSNP18000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3882602	(G/C)
18001	CakSNP18001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3891592	(A/G)
18002	CakSNP18002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3926567	(T/C)
18003	CakSNP18003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3932481	(T/A)
18004	CakSNP18004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3962628	(C/A)
18005	CakSNP18005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3971486	(C/G)
18006	CakSNP18006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3971511	(T/C)
18007	CakSNP18007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3985191	(G/A)
18008	CakSNP18008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3985194	(C/T)
18009	CakSNP18009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3988996	(G/C)
18010	CakSNP18010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	3989017	(G/A)
18011	CakSNP18011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4058620	(G/C)
18012	CakSNP18012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4058680	(A/C)
18013	CakSNP18013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4069641	(G/C)
18014	CakSNP18014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4069659	(C/T)
18015	CakSNP18015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4074763	(A/G)
18016	CakSNP18016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4074764	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18017	CakSNP18017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4102951	(A/G)
18018	CakSNP18018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4131618	(A/C)
18019	CakSNP18019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4327961	(T/C)
18020	CakSNP18020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4354794	(C/T)
18021	CakSNP18021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4354804	(C/T)
18022	CakSNP18022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4384538	(T/C)
18023	CakSNP18023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4423469	(A/G)
18024	CakSNP18024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4423478	(C/G)
18025	CakSNP18025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4462086	(C/A)
18026	CakSNP18026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4531890	(A/C)
18027	CakSNP18027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4533618	(T/C)
18028	CakSNP18028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4565146	(G/A)
18029	CakSNP18029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4575382	(C/T)
18030	CakSNP18030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4581997	(C/G)
18031	CakSNP18031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4581998	(C/A)
18032	CakSNP18032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4633334	(G/A)
18033	CakSNP18033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4634189	(A/C)
18034	CakSNP18034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4645619	(G/A)
18035	CakSNP18035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4659307	(G/C)
18036	CakSNP18036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4659309	(C/A)
18037	CakSNP18037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4659328	(G/A)
18038	CakSNP18038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4704245	(G/A)
18039	CakSNP18039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4704305	(C/T)
18040	CakSNP18040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4738377	(T/A)
18041	CakSNP18041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4738379	(G/T)
18042	CakSNP18042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4738831	(G/A)
18043	CakSNP18043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4756479	(G/A)
18044	CakSNP18044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4763483	(C/A)
18045	CakSNP18045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4769505	(C/A)
18046	CakSNP18046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4769506	(A/G)
18047	CakSNP18047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4779386	(G/T)
18048	CakSNP18048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4779389	(G/A)
18049	CakSNP18049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4801328	(G/A)
18050	CakSNP18050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4801337	(G/A)
18051	CakSNP18051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4801346	(C/T)
18052	CakSNP18052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4804447	(A/G)
18053	CakSNP18053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4829417	(G/C)
18054	CakSNP18054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4829418	(T/C)
18055	CakSNP18055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4837576	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18056	CakSNP18056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4848221	(C/T)
18057	CakSNP18057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4848227	(G/A)
18058	CakSNP18058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4849347	(C/G)
18059	CakSNP18059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4870801	(G/A)
18060	CakSNP18060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4910257	(G/A)
18061	CakSNP18061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4931630	(C/T)
18062	CakSNP18062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4956229	(A/G)
18063	CakSNP18063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4970754	(A/C)
18064	CakSNP18064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4984720	(G/A)
18065	CakSNP18065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4984729	(C/T)
18066	CakSNP18066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4986581	(T/C)
18067	CakSNP18067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4997664	(G/A)
18068	CakSNP18068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999327	(A/G)
18069	CakSNP18069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999329	(G/A)
18070	CakSNP18070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999334	(G/C)
18071	CakSNP18071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999336	(C/G)
18072	CakSNP18072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999337	(A/C)
18073	CakSNP18073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	4999367	(T/G)
18074	CakSNP18074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5021916	(A/T)
18075	CakSNP18075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5021954	(C/T)
18076	CakSNP18076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5036439	(C/A)
18077	CakSNP18077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5085488	(C/T)
18078	CakSNP18078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5104591	(A/G)
18079	CakSNP18079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5109203	(T/C)
18080	CakSNP18080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5128398	(C/G)
18081	CakSNP18081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5128413	(A/G)
18082	CakSNP18082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5154944	(C/G)
18083	CakSNP18083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5155600	(C/G)
18084	CakSNP18084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5191898	(C/T)
18085	CakSNP18085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5196708	(T/A)
18086	CakSNP18086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5229436	(G/C)
18087	CakSNP18087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5230153	(C/G)
18088	CakSNP18088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5230160	(T/C)
18089	CakSNP18089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5236751	(G/A)
18090	CakSNP18090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5236789	(T/A)
18091	CakSNP18091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5238535	(T/A)
18092	CakSNP18092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5238598	(A/G)
18093	CakSNP18093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5263444	(C/T)
18094	CakSNP18094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5273594	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18095	CakSNP18095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5273656	(C/G)
18096	CakSNP18096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5275340	(G/A)
18097	CakSNP18097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5280137	(G/A)
18098	CakSNP18098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5305760	(G/C)
18099	CakSNP18099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5329084	(G/C)
18100	CakSNP18100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5329559	(T/C)
18101	CakSNP18101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5329562	(C/G)
18102	CakSNP18102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5332558	(C/T)
18103	CakSNP18103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5332561	(C/A)
18104	CakSNP18104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5337094	(G/C)
18105	CakSNP18105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5357564	(C/T)
18106	CakSNP18106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5358806	(A/G)
18107	CakSNP18107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5388664	(A/T)
18108	CakSNP18108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5402790	(G/A)
18109	CakSNP18109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5402793	(C/T)
18110	CakSNP18110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5470445	(A/C)
18111	CakSNP18111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5470446	(G/C)
18112	CakSNP18112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5470447	(A/G)
18113	CakSNP18113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5471395	(C/T)
18114	CakSNP18114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5477856	(C/A)
18115	CakSNP18115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5529333	(C/G)
18116	CakSNP18116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5529359	(C/T)
18117	CakSNP18117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5558990	(C/T)
18118	CakSNP18118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5559026	(C/A)
18119	CakSNP18119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5568535	(C/G)
18120	CakSNP18120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5582991	(A/T)
18121	CakSNP18121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5592088	(C/T)
18122	CakSNP18122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5592090	(G/T)
18123	CakSNP18123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5596926	(A/C)
18124	CakSNP18124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5681190	(A/T)
18125	CakSNP18125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5681191	(C/T)
18126	CakSNP18126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5725564	(C/T)
18127	CakSNP18127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5725609	(G/A)
18128	CakSNP18128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5766882	(T/G)
18129	CakSNP18129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5766883	(T/A)
18130	CakSNP18130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5773213	(C/T)
18131	CakSNP18131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5781658	(C/G)
18132	CakSNP18132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5806886	(T/C)
18133	CakSNP18133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5816220	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18134	CakSNP18134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5819283	(G/C)
18135	CakSNP18135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5848818	(T/A)
18136	CakSNP18136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5856817	(G/A)
18137	CakSNP18137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5863013	(C/A)
18138	CakSNP18138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5863024	(G/A)
18139	CakSNP18139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5864127	(G/A)
18140	CakSNP18140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5864153	(G/C)
18141	CakSNP18141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5873238	(C/A)
18142	CakSNP18142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5873308	(A/G)
18143	CakSNP18143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879375	(G/T)
18144	CakSNP18144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879387	(C/G)
18145	CakSNP18145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879389	(C/A)
18146	CakSNP18146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879418	(T/G)
18147	CakSNP18147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879435	(C/A)
18148	CakSNP18148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879445	(G/T)
18149	CakSNP18149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5879451	(C/A)
18150	CakSNP18150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5890893	(T/A)
18151	CakSNP18151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5890894	(G/A)
18152	CakSNP18152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5890895	(G/T)
18153	CakSNP18153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5890898	(C/T)
18154	CakSNP18154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5890899	(A/T)
18155	CakSNP18155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5919819	(C/G)
18156	CakSNP18156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5952126	(A/G)
18157	CakSNP18157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5952154	(A/C)
18158	CakSNP18158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5952171	(A/G)
18159	CakSNP18159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5963529	(G/A)
18160	CakSNP18160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5963530	(T/A)
18161	CakSNP18161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5963531	(T/C)
18162	CakSNP18162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5963533	(G/A)
18163	CakSNP18163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	5971199	(T/G)
18164	CakSNP18164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6010227	(T/A)
18165	CakSNP18165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6010251	(T/G)
18166	CakSNP18166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6010287	(G/T)
18167	CakSNP18167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6010311	(A/G)
18168	CakSNP18168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6010573	(G/A)
18169	CakSNP18169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6012251	(A/C)
18170	CakSNP18170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6014521	(C/T)
18171	CakSNP18171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6014733	(T/G)
18172	CakSNP18172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6014753	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18173	CakSNP18173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6014754	(T/A)
18174	CakSNP18174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6014921	(A/C)
18175	CakSNP18175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017294	(G/T)
18176	CakSNP18176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017306	(T/G)
18177	CakSNP18177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017326	(C/G)
18178	CakSNP18178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017328	(T/G)
18179	CakSNP18179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017335	(A/G)
18180	CakSNP18180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017341	(A/G)
18181	CakSNP18181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017344	(C/A)
18182	CakSNP18182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017345	(C/G)
18183	CakSNP18183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6017348	(T/G)
18184	CakSNP18184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6034062	(T/C)
18185	CakSNP18185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6034071	(A/G)
18186	CakSNP18186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6043616	(A/G)
18187	CakSNP18187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6043627	(G/T)
18188	CakSNP18188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6047989	(T/G)
18189	CakSNP18189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6051272	(T/C)
18190	CakSNP18190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6057777	(G/A)
18191	CakSNP18191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6059536	(A/G)
18192	CakSNP18192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6059551	(A/G)
18193	CakSNP18193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6059588	(A/C)
18194	CakSNP18194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6098413	(G/A)
18195	CakSNP18195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6103875	(G/A)
18196	CakSNP18196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6117175	(C/A)
18197	CakSNP18197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6117188	(C/A)
18198	CakSNP18198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6117213	(C/G)
18199	CakSNP18199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6117215	(A/G)
18200	CakSNP18200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6165667	(T/C)
18201	CakSNP18201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6182275	(T/G)
18202	CakSNP18202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6182281	(G/C)
18203	CakSNP18203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6190775	(T/C)
18204	CakSNP18204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6191143	(G/C)
18205	CakSNP18205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6191170	(G/A)
18206	CakSNP18206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6237722	(G/A)
18207	CakSNP18207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6258541	(C/G)
18208	CakSNP18208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6264608	(C/T)
18209	CakSNP18209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6300610	(A/G)
18210	CakSNP18210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6300657	(T/C)
18211	CakSNP18211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6310736	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18212	CakSNP18212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6310744	(T/C)
18213	CakSNP18213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6321154	(G/A)
18214	CakSNP18214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6355193	(T/G)
18215	CakSNP18215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6368181	(G/A)
18216	CakSNP18216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6377203	(C/G)
18217	CakSNP18217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6399060	(G/A)
18218	CakSNP18218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6402317	(G/C)
18219	CakSNP18219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6402384	(C/T)
18220	CakSNP18220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6402397	(A/C)
18221	CakSNP18221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6409872	(T/A)
18222	CakSNP18222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6411767	(C/G)
18223	CakSNP18223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6411770	(C/T)
18224	CakSNP18224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6419754	(G/A)
18225	CakSNP18225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6427894	(T/C)
18226	CakSNP18226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6462028	(C/T)
18227	CakSNP18227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6475346	(G/A)
18228	CakSNP18228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6475348	(T/C)
18229	CakSNP18229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6480559	(A/G)
18230	CakSNP18230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6480580	(C/G)
18231	CakSNP18231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6486758	(G/A)
18232	CakSNP18232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6486782	(C/T)
18233	CakSNP18233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6526925	(A/C)
18234	CakSNP18234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6531409	(T/C)
18235	CakSNP18235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6545167	(G/C)
18236	CakSNP18236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6545175	(A/G)
18237	CakSNP18237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6552139	(C/T)
18238	CakSNP18238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6552142	(G/T)
18239	CakSNP18239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6552157	(G/T)
18240	CakSNP18240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6552161	(T/A)
18241	CakSNP18241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6559984	(C/T)
18242	CakSNP18242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6559996	(G/A)
18243	CakSNP18243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6560006	(A/G)
18244	CakSNP18244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6565348	(T/C)
18245	CakSNP18245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6581608	(A/C)
18246	CakSNP18246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6583973	(T/G)
18247	CakSNP18247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6590097	(C/T)
18248	CakSNP18248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6590129	(G/A)
18249	CakSNP18249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6590156	(T/G)
18250	CakSNP18250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6599573	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18251	CakSNP18251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6612721	(A/G)
18252	CakSNP18252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6663521	(C/G)
18253	CakSNP18253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6663527	(G/A)
18254	CakSNP18254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6688010	(C/G)
18255	CakSNP18255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6706345	(A/G)
18256	CakSNP18256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6707272	(T/C)
18257	CakSNP18257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6711061	(A/G)
18258	CakSNP18258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712133	(C/G)
18259	CakSNP18259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712135	(G/C)
18260	CakSNP18260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712138	(C/A)
18261	CakSNP18261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712141	(A/T)
18262	CakSNP18262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712146	(G/T)
18263	CakSNP18263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6712147	(T/G)
18264	CakSNP18264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6720667	(A/G)
18265	CakSNP18265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6785596	(T/A)
18266	CakSNP18266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6791052	(C/A)
18267	CakSNP18267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6791071	(A/C)
18268	CakSNP18268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800910	(A/T)
18269	CakSNP18269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800913	(A/G)
18270	CakSNP18270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800915	(G/A)
18271	CakSNP18271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800927	(G/C)
18272	CakSNP18272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800944	(G/C)
18273	CakSNP18273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6800949	(T/C)
18274	CakSNP18274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6811156	(G/T)
18275	CakSNP18275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6811456	(A/T)
18276	CakSNP18276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6811472	(A/T)
18277	CakSNP18277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6813703	(A/G)
18278	CakSNP18278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6861843	(T/C)
18279	CakSNP18279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6861855	(G/A)
18280	CakSNP18280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6869394	(T/C)
18281	CakSNP18281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6870117	(C/T)
18282	CakSNP18282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6870139	(G/A)
18283	CakSNP18283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6873819	(A/T)
18284	CakSNP18284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6873823	(T/G)
18285	CakSNP18285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6873825	(T/C)
18286	CakSNP18286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6873826	(C/T)
18287	CakSNP18287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6874179	(C/A)
18288	CakSNP18288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6874189	(G/T)
18289	CakSNP18289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6877071	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18290	CakSNP18290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6882102	(C/G)
18291	CakSNP18291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6882109	(T/C)
18292	CakSNP18292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6882113	(T/A)
18293	CakSNP18293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6882804	(T/A)
18294	CakSNP18294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6894538	(C/G)
18295	CakSNP18295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6894541	(A/G)
18296	CakSNP18296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6894542	(C/A)
18297	CakSNP18297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6898197	(A/G)
18298	CakSNP18298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6907485	(T/A)
18299	CakSNP18299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6907494	(A/G)
18300	CakSNP18300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6916345	(C/G)
18301	CakSNP18301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6916346	(T/A)
18302	CakSNP18302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6916357	(C/T)
18303	CakSNP18303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6916359	(T/C)
18304	CakSNP18304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6918579	(A/G)
18305	CakSNP18305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6918593	(C/G)
18306	CakSNP18306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6923821	(A/T)
18307	CakSNP18307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6929548	(A/T)
18308	CakSNP18308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6939673	(G/A)
18309	CakSNP18309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6939691	(A/T)
18310	CakSNP18310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6944977	(A/C)
18311	CakSNP18311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6945035	(C/G)
18312	CakSNP18312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6945036	(A/G)
18313	CakSNP18313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6956695	(C/T)
18314	CakSNP18314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6956707	(A/G)
18315	CakSNP18315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6959682	(C/G)
18316	CakSNP18316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6959727	(T/C)
18317	CakSNP18317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6960786	(G/A)
18318	CakSNP18318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6960796	(C/A)
18319	CakSNP18319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6960820	(C/G)
18320	CakSNP18320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6975387	(A/G)
18321	CakSNP18321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6975388	(T/A)
18322	CakSNP18322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6975430	(T/C)
18323	CakSNP18323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6975851	(T/C)
18324	CakSNP18324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6975869	(C/G)
18325	CakSNP18325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6976418	(C/G)
18326	CakSNP18326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6976441	(T/C)
18327	CakSNP18327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6985651	(T/C)
18328	CakSNP18328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6998248	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18329	CakSNP18329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	6998250	(C/A)
18330	CakSNP18330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7000764	(A/T)
18331	CakSNP18331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7012691	(A/G)
18332	CakSNP18332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017046	(T/C)
18333	CakSNP18333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017051	(A/G)
18334	CakSNP18334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017052	(T/C)
18335	CakSNP18335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017053	(A/C)
18336	CakSNP18336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017058	(G/C)
18337	CakSNP18337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017061	(A/T)
18338	CakSNP18338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017065	(T/C)
18339	CakSNP18339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017071	(C/T)
18340	CakSNP18340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017079	(C/G)
18341	CakSNP18341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017080	(A/G)
18342	CakSNP18342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7017081	(G/T)
18343	CakSNP18343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7069247	(G/A)
18344	CakSNP18344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7069273	(C/T)
18345	CakSNP18345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7069930	(G/C)
18346	CakSNP18346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070108	(A/G)
18347	CakSNP18347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070110	(G/A)
18348	CakSNP18348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070111	(A/G)
18349	CakSNP18349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070113	(C/G)
18350	CakSNP18350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070115	(T/G)
18351	CakSNP18351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7070117	(C/T)
18352	CakSNP18352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7086244	(A/G)
18353	CakSNP18353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7103380	(A/C)
18354	CakSNP18354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7127589	(G/A)
18355	CakSNP18355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7131343	(G/A)
18356	CakSNP18356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7141293	(A/G)
18357	CakSNP18357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7141324	(A/G)
18358	CakSNP18358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7143296	(G/A)
18359	CakSNP18359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7143640	(G/A)
18360	CakSNP18360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7143649	(G/A)
18361	CakSNP18361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7143693	(T/C)
18362	CakSNP18362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7146142	(C/T)
18363	CakSNP18363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7146173	(C/T)
18364	CakSNP18364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7149196	(C/T)
18365	CakSNP18365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7152489	(C/T)
18366	CakSNP18366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7183627	(A/G)
18367	CakSNP18367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7191526	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18368	CakSNP18368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7246580	(C/T)
18369	CakSNP18369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7254020	(C/G)
18370	CakSNP18370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7254039	(T/C)
18371	CakSNP18371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7257747	(G/C)
18372	CakSNP18372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7267238	(C/T)
18373	CakSNP18373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7267256	(C/A)
18374	CakSNP18374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7267260	(A/T)
18375	CakSNP18375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7311958	(G/A)
18376	CakSNP18376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7328061	(A/G)
18377	CakSNP18377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7344433	(T/A)
18378	CakSNP18378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7369005	(G/A)
18379	CakSNP18379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7375018	(T/C)
18380	CakSNP18380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7382267	(T/C)
18381	CakSNP18381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7382310	(G/T)
18382	CakSNP18382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7391587	(C/G)
18383	CakSNP18383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7391613	(T/G)
18384	CakSNP18384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7391949	(C/T)
18385	CakSNP18385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401051	(C/G)
18386	CakSNP18386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401054	(G/T)
18387	CakSNP18387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401077	(A/G)
18388	CakSNP18388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401092	(G/A)
18389	CakSNP18389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401100	(A/G)
18390	CakSNP18390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401103	(C/T)
18391	CakSNP18391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7401244	(T/A)
18392	CakSNP18392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7416312	(C/T)
18393	CakSNP18393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7416345	(A/G)
18394	CakSNP18394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7427788	(G/A)
18395	CakSNP18395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7430435	(C/T)
18396	CakSNP18396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7430455	(A/T)
18397	CakSNP18397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7430464	(A/G)
18398	CakSNP18398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7452895	(C/G)
18399	CakSNP18399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7467529	(G/T)
18400	CakSNP18400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7470943	(T/G)
18401	CakSNP18401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7473234	(A/G)
18402	CakSNP18402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7477213	(G/A)
18403	CakSNP18403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7477273	(A/G)
18404	CakSNP18404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7477350	(C/T)
18405	CakSNP18405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7480213	(C/G)
18406	CakSNP18406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7480219	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18407	CakSNP18407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7482161	(T/G)
18408	CakSNP18408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7494282	(T/A)
18409	CakSNP18409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7496672	(C/G)
18410	CakSNP18410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7496846	(A/G)
18411	CakSNP18411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7496849	(C/G)
18412	CakSNP18412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7500180	(G/A)
18413	CakSNP18413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7503626	(G/A)
18414	CakSNP18414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7504369	(C/G)
18415	CakSNP18415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7508116	(T/C)
18416	CakSNP18416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7511720	(C/G)
18417	CakSNP18417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7511741	(G/A)
18418	CakSNP18418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7511744	(G/C)
18419	CakSNP18419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7516002	(A/G)
18420	CakSNP18420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7516053	(G/A)
18421	CakSNP18421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7516067	(T/C)
18422	CakSNP18422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7518038	(A/G)
18423	CakSNP18423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7518231	(C/T)
18424	CakSNP18424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7519248	(G/A)
18425	CakSNP18425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7520456	(A/G)
18426	CakSNP18426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7520467	(T/C)
18427	CakSNP18427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7522835	(G/A)
18428	CakSNP18428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7532746	(T/C)
18429	CakSNP18429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7534604	(C/T)
18430	CakSNP18430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7537117	(G/A)
18431	CakSNP18431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7537138	(C/T)
18432	CakSNP18432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7539822	(C/T)
18433	CakSNP18433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7539825	(C/G)
18434	CakSNP18434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7546313	(A/G)
18435	CakSNP18435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7548311	(A/G)
18436	CakSNP18436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7549471	(T/C)
18437	CakSNP18437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7549507	(T/G)
18438	CakSNP18438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7553420	(A/G)
18439	CakSNP18439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7557108	(C/G)
18440	CakSNP18440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7557111	(G/C)
18441	CakSNP18441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7563251	(A/G)
18442	CakSNP18442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7563332	(C/G)
18443	CakSNP18443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7569104	(T/A)
18444	CakSNP18444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7569136	(A/C)
18445	CakSNP18445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7571356	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18446	CakSNP18446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7581291	(T/C)
18447	CakSNP18447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7583443	(T/G)
18448	CakSNP18448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7586717	(T/C)
18449	CakSNP18449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7587722	(T/G)
18450	CakSNP18450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7590523	(A/G)
18451	CakSNP18451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7597523	(G/A)
18452	CakSNP18452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7597543	(G/T)
18453	CakSNP18453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7599351	(A/G)
18454	CakSNP18454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7599355	(G/A)
18455	CakSNP18455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7607382	(C/T)
18456	CakSNP18456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7619139	(G/A)
18457	CakSNP18457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7619163	(G/A)
18458	CakSNP18458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7621274	(A/G)
18459	CakSNP18459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7621346	(T/C)
18460	CakSNP18460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7632661	(A/G)
18461	CakSNP18461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7632682	(C/T)
18462	CakSNP18462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7634464	(G/A)
18463	CakSNP18463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7638848	(C/G)
18464	CakSNP18464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7638917	(A/C)
18465	CakSNP18465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7642288	(A/G)
18466	CakSNP18466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7644157	(G/A)
18467	CakSNP18467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7644247	(C/G)
18468	CakSNP18468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7644265	(C/T)
18469	CakSNP18469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7644275	(G/A)
18470	CakSNP18470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7644306	(G/A)
18471	CakSNP18471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7647077	(G/A)
18472	CakSNP18472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7659948	(T/A)
18473	CakSNP18473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7660004	(A/G)
18474	CakSNP18474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7661617	(G/T)
18475	CakSNP18475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7662572	(C/G)
18476	CakSNP18476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7662608	(A/G)
18477	CakSNP18477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7663940	(A/C)
18478	CakSNP18478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7663942	(A/G)
18479	CakSNP18479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7665276	(G/A)
18480	CakSNP18480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7668261	(C/T)
18481	CakSNP18481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7668301	(T/C)
18482	CakSNP18482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7671493	(C/T)
18483	CakSNP18483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7671508	(T/C)
18484	CakSNP18484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7674683	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18485	CakSNP18485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7679874	(G/C)
18486	CakSNP18486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7681981	(G/T)
18487	CakSNP18487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7686913	(A/C)
18488	CakSNP18488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7686915	(G/A)
18489	CakSNP18489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7689434	(G/A)
18490	CakSNP18490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7689491	(G/A)
18491	CakSNP18491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7694767	(C/T)
18492	CakSNP18492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7694773	(T/C)
18493	CakSNP18493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7696282	(C/T)
18494	CakSNP18494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7698789	(G/C)
18495	CakSNP18495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7707323	(G/A)
18496	CakSNP18496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7713250	(C/T)
18497	CakSNP18497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7713283	(C/A)
18498	CakSNP18498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7714197	(A/G)
18499	CakSNP18499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7719731	(G/A)
18500	CakSNP18500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7722023	(T/G)
18501	CakSNP18501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7722035	(G/T)
18502	CakSNP18502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7736605	(G/A)
18503	CakSNP18503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7740036	(T/A)
18504	CakSNP18504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7742921	(A/G)
18505	CakSNP18505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7742924	(T/G)
18506	CakSNP18506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7744414	(C/T)
18507	CakSNP18507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7749013	(C/T)
18508	CakSNP18508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7755838	(A/G)
18509	CakSNP18509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7757665	(G/T)
18510	CakSNP18510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7763638	(A/C)
18511	CakSNP18511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7763641	(T/A)
18512	CakSNP18512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7773005	(C/G)
18513	CakSNP18513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7773497	(C/T)
18514	CakSNP18514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7775131	(C/A)
18515	CakSNP18515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7777349	(G/A)
18516	CakSNP18516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7777355	(C/G)
18517	CakSNP18517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7780110	(T/C)
18518	CakSNP18518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7780147	(T/C)
18519	CakSNP18519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7780424	(T/G)
18520	CakSNP18520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7783550	(T/C)
18521	CakSNP18521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7784298	(A/G)
18522	CakSNP18522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7784355	(G/A)
18523	CakSNP18523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7786066	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18524	CakSNP18524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7786092	(T/C)
18525	CakSNP18525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7788204	(T/C)
18526	CakSNP18526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7789221	(T/C)
18527	CakSNP18527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7789301	(C/T)
18528	CakSNP18528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7793891	(G/C)
18529	CakSNP18529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7793893	(C/A)
18530	CakSNP18530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7797598	(A/G)
18531	CakSNP18531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7801499	(T/C)
18532	CakSNP18532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7803930	(G/A)
18533	CakSNP18533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7803960	(T/C)
18534	CakSNP18534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7808478	(T/C)
18535	CakSNP18535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7811193	(T/C)
18536	CakSNP18536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7811229	(T/C)
18537	CakSNP18537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7815667	(G/T)
18538	CakSNP18538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7817621	(G/C)
18539	CakSNP18539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7817663	(T/C)
18540	CakSNP18540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7819661	(A/G)
18541	CakSNP18541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7819688	(C/T)
18542	CakSNP18542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7821392	(A/T)
18543	CakSNP18543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7822168	(T/C)
18544	CakSNP18544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7823280	(G/A)
18545	CakSNP18545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7825450	(C/A)
18546	CakSNP18546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7832200	(T/G)
18547	CakSNP18547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7833031	(G/A)
18548	CakSNP18548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7842059	(A/G)
18549	CakSNP18549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7845807	(C/A)
18550	CakSNP18550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7845827	(C/A)
18551	CakSNP18551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7851012	(G/A)
18552	CakSNP18552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7851036	(T/C)
18553	CakSNP18553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7851360	(G/A)
18554	CakSNP18554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7851364	(C/G)
18555	CakSNP18555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7851413	(A/G)
18556	CakSNP18556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7855438	(T/C)
18557	CakSNP18557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7855500	(A/G)
18558	CakSNP18558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7858167	(T/C)
18559	CakSNP18559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7866944	(C/T)
18560	CakSNP18560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7867542	(A/G)
18561	CakSNP18561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7867799	(A/C)
18562	CakSNP18562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7876080	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18563	CakSNP18563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7880716	(A/T)
18564	CakSNP18564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7880717	(C/T)
18565	CakSNP18565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7881296	(G/A)
18566	CakSNP18566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7881314	(G/A)
18567	CakSNP18567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7887564	(C/T)
18568	CakSNP18568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7888564	(A/G)
18569	CakSNP18569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7892719	(T/C)
18570	CakSNP18570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7894702	(C/A)
18571	CakSNP18571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7894708	(G/C)
18572	CakSNP18572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7897351	(G/A)
18573	CakSNP18573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7897373	(A/C)
18574	CakSNP18574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7900400	(T/C)
18575	CakSNP18575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7901584	(A/G)
18576	CakSNP18576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7901585	(T/C)
18577	CakSNP18577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7910500	(C/T)
18578	CakSNP18578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7910554	(G/A)
18579	CakSNP18579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7920197	(C/T)
18580	CakSNP18580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7920209	(G/A)
18581	CakSNP18581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7930088	(T/G)
18582	CakSNP18582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7936283	(C/T)
18583	CakSNP18583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7936329	(T/G)
18584	CakSNP18584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7941133	(C/T)
18585	CakSNP18585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7941147	(T/C)
18586	CakSNP18586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7945108	(G/A)
18587	CakSNP18587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7949240	(G/C)
18588	CakSNP18588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7949247	(G/C)
18589	CakSNP18589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7952539	(A/G)
18590	CakSNP18590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7952565	(T/C)
18591	CakSNP18591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7953341	(G/C)
18592	CakSNP18592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7955422	(T/C)
18593	CakSNP18593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7955973	(G/C)
18594	CakSNP18594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7955994	(G/T)
18595	CakSNP18595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7956631	(T/C)
18596	CakSNP18596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7960635	(C/T)
18597	CakSNP18597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7962856	(C/T)
18598	CakSNP18598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7962883	(G/C)
18599	CakSNP18599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7963369	(A/G)
18600	CakSNP18600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7963390	(G/C)
18601	CakSNP18601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7970950	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18602	CakSNP18602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7974031	(G/C)
18603	CakSNP18603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7974052	(C/G)
18604	CakSNP18604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7982597	(A/G)
18605	CakSNP18605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7988467	(G/A)
18606	CakSNP18606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7995056	(A/G)
18607	CakSNP18607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7995068	(C/T)
18608	CakSNP18608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7997461	(T/C)
18609	CakSNP18609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7999842	(T/G)
18610	CakSNP18610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	7999848	(T/A)
18611	CakSNP18611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8001503	(T/C)
18612	CakSNP18612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8003727	(A/G)
18613	CakSNP18613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8003736	(A/G)
18614	CakSNP18614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8011242	(G/C)
18615	CakSNP18615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8011262	(C/T)
18616	CakSNP18616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8013352	(C/T)
18617	CakSNP18617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8019793	(C/A)
18618	CakSNP18618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8022307	(G/A)
18619	CakSNP18619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8022322	(C/G)
18620	CakSNP18620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8022996	(A/G)
18621	CakSNP18621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8026787	(T/G)
18622	CakSNP18622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8026830	(G/C)
18623	CakSNP18623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8027198	(T/C)
18624	CakSNP18624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8027199	(T/C)
18625	CakSNP18625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8039817	(T/C)
18626	CakSNP18626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8041747	(T/C)
18627	CakSNP18627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8041759	(C/A)
18628	CakSNP18628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8043209	(A/G)
18629	CakSNP18629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8043253	(T/C)
18630	CakSNP18630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8044069	(A/G)
18631	CakSNP18631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8044129	(G/A)
18632	CakSNP18632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8045895	(A/G)
18633	CakSNP18633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8051714	(T/C)
18634	CakSNP18634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8057562	(G/A)
18635	CakSNP18635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8063940	(A/T)
18636	CakSNP18636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8069087	(C/A)
18637	CakSNP18637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8069369	(G/C)
18638	CakSNP18638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8070193	(G/C)
18639	CakSNP18639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8070240	(T/C)
18640	CakSNP18640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8072550	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18641	CakSNP18641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8082932	(G/A)
18642	CakSNP18642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8083232	(A/G)
18643	CakSNP18643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8087512	(A/G)
18644	CakSNP18644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8087573	(A/G)
18645	CakSNP18645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8088037	(C/G)
18646	CakSNP18646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8088041	(T/C)
18647	CakSNP18647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8088319	(C/T)
18648	CakSNP18648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8088322	(G/C)
18649	CakSNP18649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8094162	(A/C)
18650	CakSNP18650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8098520	(A/G)
18651	CakSNP18651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8105899	(T/G)
18652	CakSNP18652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8105968	(T/C)
18653	CakSNP18653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8109763	(A/C)
18654	CakSNP18654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8112263	(A/G)
18655	CakSNP18655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8112296	(A/C)
18656	CakSNP18656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8112297	(G/C)
18657	CakSNP18657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8115320	(A/G)
18658	CakSNP18658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8122096	(T/C)
18659	CakSNP18659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8130858	(G/A)
18660	CakSNP18660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8130859	(C/G)
18661	CakSNP18661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8137324	(C/T)
18662	CakSNP18662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8137330	(T/G)
18663	CakSNP18663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8141933	(A/G)
18664	CakSNP18664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8144021	(A/C)
18665	CakSNP18665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8144078	(G/A)
18666	CakSNP18666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8148859	(G/A)
18667	CakSNP18667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8148868	(C/A)
18668	CakSNP18668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8149952	(C/G)
18669	CakSNP18669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8149954	(A/G)
18670	CakSNP18670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8154225	(C/A)
18671	CakSNP18671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8158725	(C/T)
18672	CakSNP18672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8158779	(T/C)
18673	CakSNP18673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8159110	(A/G)
18674	CakSNP18674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8159113	(A/G)
18675	CakSNP18675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8168485	(A/G)
18676	CakSNP18676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8169341	(C/G)
18677	CakSNP18677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8171387	(G/C)
18678	CakSNP18678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8178754	(T/C)
18679	CakSNP18679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8184848	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18680	CakSNP18680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8189540	(A/C)
18681	CakSNP18681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8196300	(T/C)
18682	CakSNP18682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8196341	(C/G)
18683	CakSNP18683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8203367	(G/A)
18684	CakSNP18684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8207563	(C/T)
18685	CakSNP18685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8210958	(C/G)
18686	CakSNP18686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8211907	(A/G)
18687	CakSNP18687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8214133	(A/G)
18688	CakSNP18688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8214554	(T/C)
18689	CakSNP18689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8214590	(A/G)
18690	CakSNP18690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8217362	(A/G)
18691	CakSNP18691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8218000	(C/G)
18692	CakSNP18692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8218005	(A/C)
18693	CakSNP18693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8219090	(G/T)
18694	CakSNP18694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8223822	(C/G)
18695	CakSNP18695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8226812	(C/T)
18696	CakSNP18696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8230958	(C/G)
18697	CakSNP18697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8230966	(A/T)
18698	CakSNP18698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8232844	(G/A)
18699	CakSNP18699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8232880	(G/A)
18700	CakSNP18700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8234144	(A/G)
18701	CakSNP18701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8234153	(C/G)
18702	CakSNP18702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8241946	(C/T)
18703	CakSNP18703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8241952	(C/T)
18704	CakSNP18704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8242371	(G/A)
18705	CakSNP18705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8243836	(T/C)
18706	CakSNP18706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8244667	(C/T)
18707	CakSNP18707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8249352	(C/A)
18708	CakSNP18708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8256558	(C/T)
18709	CakSNP18709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8256561	(C/T)
18710	CakSNP18710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8257059	(C/T)
18711	CakSNP18711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8257088	(A/G)
18712	CakSNP18712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8261284	(C/G)
18713	CakSNP18713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8266889	(C/T)
18714	CakSNP18714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8269821	(A/G)
18715	CakSNP18715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8271190	(C/G)
18716	CakSNP18716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8271195	(G/C)
18717	CakSNP18717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8283720	(C/T)
18718	CakSNP18718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8283723	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18719	CakSNP18719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8287800	(G/T)
18720	CakSNP18720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8289104	(C/T)
18721	CakSNP18721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8293206	(G/T)
18722	CakSNP18722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8297749	(A/C)
18723	CakSNP18723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8300470	(T/G)
18724	CakSNP18724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8300931	(A/G)
18725	CakSNP18725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8300939	(T/A)
18726	CakSNP18726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8303497	(T/C)
18727	CakSNP18727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8303505	(C/G)
18728	CakSNP18728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8305655	(A/G)
18729	CakSNP18729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8305661	(G/A)
18730	CakSNP18730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8306153	(G/A)
18731	CakSNP18731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8317400	(G/C)
18732	CakSNP18732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8317564	(G/C)
18733	CakSNP18733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8317582	(C/T)
18734	CakSNP18734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8321061	(C/T)
18735	CakSNP18735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8322931	(G/A)
18736	CakSNP18736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8325194	(C/T)
18737	CakSNP18737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8325213	(C/A)
18738	CakSNP18738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8327042	(C/T)
18739	CakSNP18739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8327887	(A/G)
18740	CakSNP18740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8327890	(A/G)
18741	CakSNP18741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8328850	(G/A)
18742	CakSNP18742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8329853	(G/T)
18743	CakSNP18743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8329859	(G/A)
18744	CakSNP18744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8331379	(C/T)
18745	CakSNP18745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8335396	(T/C)
18746	CakSNP18746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8335402	(T/G)
18747	CakSNP18747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8336646	(G/C)
18748	CakSNP18748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8336655	(T/C)
18749	CakSNP18749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8336819	(G/A)
18750	CakSNP18750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8336864	(A/G)
18751	CakSNP18751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8337449	(T/G)
18752	CakSNP18752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8343165	(A/G)
18753	CakSNP18753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8349391	(G/C)
18754	CakSNP18754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8349400	(C/T)
18755	CakSNP18755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8350117	(T/G)
18756	CakSNP18756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8350148	(C/G)
18757	CakSNP18757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8353015	(G/T)

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18758	CakSNP18758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8354669	(A/T)
18759	CakSNP18759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8354690	(T/C)
18760	CakSNP18760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8355827	(T/G)
18761	CakSNP18761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8360991	(C/A)
18762	CakSNP18762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8361061	(G/A)
18763	CakSNP18763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8365868	(T/C)
18764	CakSNP18764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8365899	(G/A)
18765	CakSNP18765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8379869	(A/C)
18766	CakSNP18766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8380718	(C/G)
18767	CakSNP18767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8380722	(G/A)
18768	CakSNP18768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8391995	(A/G)
18769	CakSNP18769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8392015	(A/C)
18770	CakSNP18770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8400805	(C/T)
18771	CakSNP18771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8405558	(A/G)
18772	CakSNP18772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8405615	(T/C)
18773	CakSNP18773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8409196	(T/C)
18774	CakSNP18774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8409374	(T/C)
18775	CakSNP18775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8411035	(T/G)
18776	CakSNP18776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8411059	(T/G)
18777	CakSNP18777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8413267	(G/C)
18778	CakSNP18778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8413291	(A/C)
18779	CakSNP18779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8416177	(T/C)
18780	CakSNP18780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8416180	(T/C)
18781	CakSNP18781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8417405	(T/G)
18782	CakSNP18782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8417948	(G/T)
18783	CakSNP18783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8418116	(G/C)
18784	CakSNP18784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8418159	(T/C)
18785	CakSNP18785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8419456	(C/G)
18786	CakSNP18786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8420072	(A/C)
18787	CakSNP18787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8422556	(T/C)
18788	CakSNP18788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8423156	(T/C)
18789	CakSNP18789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8429766	(A/C)
18790	CakSNP18790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8436507	(C/T)
18791	CakSNP18791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8436561	(G/A)
18792	CakSNP18792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8438196	(T/G)
18793	CakSNP18793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8438207	(G/C)
18794	CakSNP18794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8448425	(G/C)
18795	CakSNP18795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8448815	(C/A)
18796	CakSNP18796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8452890	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18797	CakSNP18797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8454266	(T/C)
18798	CakSNP18798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8460560	(C/A)
18799	CakSNP18799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8461914	(C/G)
18800	CakSNP18800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8466689	(A/G)
18801	CakSNP18801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8469963	(A/G)
18802	CakSNP18802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8469975	(C/A)
18803	CakSNP18803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8479007	(G/T)
18804	CakSNP18804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8479010	(C/G)
18805	CakSNP18805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8480432	(C/G)
18806	CakSNP18806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8480589	(C/T)
18807	CakSNP18807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8483863	(T/C)
18808	CakSNP18808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8486588	(G/T)
18809	CakSNP18809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8489504	(G/A)
18810	CakSNP18810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8492446	(C/G)
18811	CakSNP18811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8492462	(A/T)
18812	CakSNP18812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8496663	(T/G)
18813	CakSNP18813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8503771	(T/C)
18814	CakSNP18814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8503785	(T/G)
18815	CakSNP18815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8503798	(A/G)
18816	CakSNP18816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8505482	(T/C)
18817	CakSNP18817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8505765	(G/A)
18818	CakSNP18818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8509639	(A/G)
18819	CakSNP18819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8509669	(G/A)
18820	CakSNP18820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8513119	(A/C)
18821	CakSNP18821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8530754	(T/C)
18822	CakSNP18822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8530755	(T/G)
18823	CakSNP18823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8531674	(C/T)
18824	CakSNP18824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8531701	(A/T)
18825	CakSNP18825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8531753	(G/C)
18826	CakSNP18826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8531795	(G/A)
18827	CakSNP18827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8533432	(C/T)
18828	CakSNP18828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8533441	(A/C)
18829	CakSNP18829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8533970	(A/C)
18830	CakSNP18830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8533990	(T/C)
18831	CakSNP18831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8534449	(G/A)
18832	CakSNP18832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8550060	(A/G)
18833	CakSNP18833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8554253	(A/T)
18834	CakSNP18834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8554325	(G/A)
18835	CakSNP18835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8556197	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18836	CakSNP18836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8556200	(A/G)
18837	CakSNP18837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8556235	(C/T)
18838	CakSNP18838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8560474	(C/G)
18839	CakSNP18839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8560544	(A/C)
18840	CakSNP18840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8562341	(G/C)
18841	CakSNP18841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8566053	(G/T)
18842	CakSNP18842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8566099	(C/T)
18843	CakSNP18843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8571259	(A/G)
18844	CakSNP18844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8573599	(A/T)
18845	CakSNP18845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8578805	(A/C)
18846	CakSNP18846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8580661	(G/C)
18847	CakSNP18847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8580697	(G/T)
18848	CakSNP18848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8581281	(G/A)
18849	CakSNP18849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8584477	(A/G)
18850	CakSNP18850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8584479	(C/A)
18851	CakSNP18851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8584858	(T/C)
18852	CakSNP18852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8584877	(G/A)
18853	CakSNP18853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8593352	(G/C)
18854	CakSNP18854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8593359	(A/C)
18855	CakSNP18855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8603638	(C/T)
18856	CakSNP18856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8603707	(C/A)
18857	CakSNP18857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8607036	(T/C)
18858	CakSNP18858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8623968	(C/A)
18859	CakSNP18859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8626120	(T/C)
18860	CakSNP18860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8626123	(C/T)
18861	CakSNP18861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8629836	(A/C)
18862	CakSNP18862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8629837	(G/C)
18863	CakSNP18863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8629839	(T/C)
18864	CakSNP18864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8630141	(T/G)
18865	CakSNP18865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8630199	(G/C)
18866	CakSNP18866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8633226	(G/A)
18867	CakSNP18867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8633271	(G/T)
18868	CakSNP18868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8634180	(T/C)
18869	CakSNP18869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8634188	(A/G)
18870	CakSNP18870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8642988	(A/C)
18871	CakSNP18871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8652511	(T/A)
18872	CakSNP18872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8656524	(G/C)
18873	CakSNP18873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8657680	(G/T)
18874	CakSNP18874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8661307	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18875	CakSNP18875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8661312	(G/A)
18876	CakSNP18876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8665424	(G/A)
18877	CakSNP18877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8677202	(C/T)
18878	CakSNP18878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8677253	(T/C)
18879	CakSNP18879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8683447	(T/C)
18880	CakSNP18880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8683473	(T/C)
18881	CakSNP18881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8688554	(G/A)
18882	CakSNP18882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8692558	(A/G)
18883	CakSNP18883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8697009	(A/G)
18884	CakSNP18884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8701182	(C/T)
18885	CakSNP18885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8706399	(C/T)
18886	CakSNP18886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8712116	(C/T)
18887	CakSNP18887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8712137	(C/G)
18888	CakSNP18888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8713270	(C/A)
18889	CakSNP18889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8713287	(T/G)
18890	CakSNP18890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8714821	(G/A)
18891	CakSNP18891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8717740	(T/C)
18892	CakSNP18892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8717768	(G/C)
18893	CakSNP18893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8718318	(T/G)
18894	CakSNP18894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8723450	(C/T)
18895	CakSNP18895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8728039	(C/T)
18896	CakSNP18896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8728049	(T/G)
18897	CakSNP18897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8733667	(G/T)
18898	CakSNP18898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8737564	(A/G)
18899	CakSNP18899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8740252	(C/T)
18900	CakSNP18900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8741945	(G/A)
18901	CakSNP18901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8743682	(C/A)
18902	CakSNP18902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8745896	(T/G)
18903	CakSNP18903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8746884	(A/G)
18904	CakSNP18904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8749660	(G/A)
18905	CakSNP18905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8749690	(C/G)
18906	CakSNP18906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8751619	(C/A)
18907	CakSNP18907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8751625	(C/T)
18908	CakSNP18908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8754866	(C/G)
18909	CakSNP18909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8756405	(T/A)
18910	CakSNP18910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8762906	(T/C)
18911	CakSNP18911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8764006	(C/G)
18912	CakSNP18912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8773383	(C/A)
18913	CakSNP18913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8783399	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18914	CakSNP18914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8785543	(T/A)
18915	CakSNP18915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8785573	(G/A)
18916	CakSNP18916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8785912	(A/G)
18917	CakSNP18917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8785983	(A/C)
18918	CakSNP18918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8786375	(C/T)
18919	CakSNP18919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8786405	(T/C)
18920	CakSNP18920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8790559	(G/A)
18921	CakSNP18921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8793365	(T/C)
18922	CakSNP18922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8797171	(C/A)
18923	CakSNP18923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8797219	(T/C)
18924	CakSNP18924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8802899	(C/T)
18925	CakSNP18925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8802968	(C/A)
18926	CakSNP18926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8802970	(C/G)
18927	CakSNP18927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8817440	(T/C)
18928	CakSNP18928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8817510	(C/A)
18929	CakSNP18929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8821101	(C/T)
18930	CakSNP18930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8835782	(A/C)
18931	CakSNP18931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8837267	(C/G)
18932	CakSNP18932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8837276	(C/G)
18933	CakSNP18933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8839300	(G/C)
18934	CakSNP18934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8839943	(C/T)
18935	CakSNP18935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8839950	(G/A)
18936	CakSNP18936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8841891	(C/G)
18937	CakSNP18937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8843216	(T/C)
18938	CakSNP18938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8846463	(T/C)
18939	CakSNP18939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8847644	(T/G)
18940	CakSNP18940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8847757	(A/T)
18941	CakSNP18941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8847796	(A/G)
18942	CakSNP18942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8852097	(T/G)
18943	CakSNP18943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8855774	(G/C)
18944	CakSNP18944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8856170	(A/C)
18945	CakSNP18945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8857655	(A/T)
18946	CakSNP18946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8858498	(A/G)
18947	CakSNP18947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8864720	(T/G)
18948	CakSNP18948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8869813	(G/A)
18949	CakSNP18949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8881500	(A/C)
18950	CakSNP18950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8881501	(G/A)
18951	CakSNP18951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8882179	(C/T)
18952	CakSNP18952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8882231	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18953	CakSNP18953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8885140	(A/C)
18954	CakSNP18954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8885204	(C/T)
18955	CakSNP18955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8887438	(T/G)
18956	CakSNP18956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8891101	(C/T)
18957	CakSNP18957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8898477	(T/C)
18958	CakSNP18958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8903642	(A/G)
18959	CakSNP18959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8903702	(G/A)
18960	CakSNP18960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8904259	(T/G)
18961	CakSNP18961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8910990	(A/G)
18962	CakSNP18962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8911135	(G/A)
18963	CakSNP18963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8911140	(G/A)
18964	CakSNP18964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8916332	(C/A)
18965	CakSNP18965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8918015	(A/G)
18966	CakSNP18966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8918028	(C/T)
18967	CakSNP18967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8918993	(C/T)
18968	CakSNP18968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8922620	(C/G)
18969	CakSNP18969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8922642	(T/G)
18970	CakSNP18970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8923604	(A/G)
18971	CakSNP18971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8935945	(G/T)
18972	CakSNP18972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8941714	(G/A)
18973	CakSNP18973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8941759	(G/A)
18974	CakSNP18974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8946705	(C/T)
18975	CakSNP18975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8946759	(C/T)
18976	CakSNP18976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8955101	(C/T)
18977	CakSNP18977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8956392	(T/C)
18978	CakSNP18978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8956416	(A/G)
18979	CakSNP18979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8958868	(C/A)
18980	CakSNP18980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8962549	(T/C)
18981	CakSNP18981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8969882	(C/G)
18982	CakSNP18982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8969927	(G/A)
18983	CakSNP18983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8972239	(C/G)
18984	CakSNP18984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8979187	(A/G)
18985	CakSNP18985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8991933	(T/C)
18986	CakSNP18986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8998274	(C/T)
18987	CakSNP18987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8998283	(G/C)
18988	CakSNP18988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8998729	(C/G)
18989	CakSNP18989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8998743	(G/T)
18990	CakSNP18990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8999684	(C/T)
18991	CakSNP18991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	8999695	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
18992	CakSNP18992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9007535	(C/A)
18993	CakSNP18993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9007546	(A/C)
18994	CakSNP18994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9008111	(G/A)
18995	CakSNP18995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9008153	(A/G)
18996	CakSNP18996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9009853	(T/G)
18997	CakSNP18997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9010359	(T/C)
18998	CakSNP18998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9016466	(A/C)
18999	CakSNP18999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9016479	(C/T)
19000	CakSNP19000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9020583	(C/G)
19001	CakSNP19001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9020621	(A/G)
19002	CakSNP19002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9020928	(A/G)
19003	CakSNP19003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9021373	(C/T)
19004	CakSNP19004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9025243	(C/A)
19005	CakSNP19005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9025246	(G/C)
19006	CakSNP19006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9026799	(A/C)
19007	CakSNP19007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9028405	(C/G)
19008	CakSNP19008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9029661	(C/T)
19009	CakSNP19009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9030509	(T/C)
19010	CakSNP19010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9034404	(A/G)
19011	CakSNP19011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9034429	(A/C)
19012	CakSNP19012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9043273	(C/G)
19013	CakSNP19013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9043321	(C/T)
19014	CakSNP19014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9050711	(C/G)
19015	CakSNP19015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9050747	(G/A)
19016	CakSNP19016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9056377	(A/G)
19017	CakSNP19017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9067796	(A/G)
19018	CakSNP19018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9067797	(A/G)
19019	CakSNP19019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9068479	(A/G)
19020	CakSNP19020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9071784	(G/A)
19021	CakSNP19021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077263	(A/C)
19022	CakSNP19022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077474	(T/G)
19023	CakSNP19023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077488	(T/C)
19024	CakSNP19024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077513	(T/G)
19025	CakSNP19025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077529	(T/G)
19026	CakSNP19026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9077813	(C/T)
19027	CakSNP19027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9081380	(G/A)
19028	CakSNP19028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9081383	(C/T)
19029	CakSNP19029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9085000	(T/C)
19030	CakSNP19030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9085051	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19031	CakSNP19031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9087707	(T/C)
19032	CakSNP19032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9089170	(A/C)
19033	CakSNP19033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9089960	(G/A)
19034	CakSNP19034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9093663	(G/A)
19035	CakSNP19035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9094477	(C/T)
19036	CakSNP19036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9096275	(G/A)
19037	CakSNP19037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9096314	(A/G)
19038	CakSNP19038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9099899	(G/C)
19039	CakSNP19039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9099908	(C/G)
19040	CakSNP19040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9101826	(A/G)
19041	CakSNP19041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9110057	(T/G)
19042	CakSNP19042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9116771	(G/A)
19043	CakSNP19043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9116864	(C/T)
19044	CakSNP19044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9116876	(C/G)
19045	CakSNP19045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9118126	(A/G)
19046	CakSNP19046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9119868	(A/C)
19047	CakSNP19047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9119949	(G/A)
19048	CakSNP19048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9120924	(C/T)
19049	CakSNP19049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9120942	(C/G)
19050	CakSNP19050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9124892	(A/G)
19051	CakSNP19051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9124895	(G/T)
19052	CakSNP19052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9125565	(C/T)
19053	CakSNP19053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9128353	(A/G)
19054	CakSNP19054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9128371	(C/T)
19055	CakSNP19055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9130620	(G/T)
19056	CakSNP19056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9140141	(G/A)
19057	CakSNP19057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9140451	(G/C)
19058	CakSNP19058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9140463	(A/G)
19059	CakSNP19059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9142027	(T/C)
19060	CakSNP19060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9147040	(G/C)
19061	CakSNP19061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9147082	(G/C)
19062	CakSNP19062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9148606	(G/C)
19063	CakSNP19063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9150620	(G/C)
19064	CakSNP19064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9156588	(G/T)
19065	CakSNP19065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9156594	(C/T)
19066	CakSNP19066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9158920	(T/G)
19067	CakSNP19067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9160264	(G/C)
19068	CakSNP19068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9160267	(T/G)
19069	CakSNP19069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9172662	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19070	CakSNP19070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9173737	(C/T)
19071	CakSNP19071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9173759	(C/A)
19072	CakSNP19072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9176774	(A/C)
19073	CakSNP19073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9176776	(A/G)
19074	CakSNP19074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9177251	(T/G)
19075	CakSNP19075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9177255	(A/C)
19076	CakSNP19076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9185606	(A/C)
19077	CakSNP19077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9185607	(G/C)
19078	CakSNP19078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9185932	(C/T)
19079	CakSNP19079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9187737	(T/G)
19080	CakSNP19080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9192222	(G/A)
19081	CakSNP19081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9192798	(G/A)
19082	CakSNP19082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9192851	(T/C)
19083	CakSNP19083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9198550	(A/G)
19084	CakSNP19084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9198616	(C/G)
19085	CakSNP19085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9201182	(T/C)
19086	CakSNP19086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9203603	(T/C)
19087	CakSNP19087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9205951	(A/G)
19088	CakSNP19088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9208178	(C/A)
19089	CakSNP19089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9208179	(A/G)
19090	CakSNP19090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9209336	(T/G)
19091	CakSNP19091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9214280	(G/C)
19092	CakSNP19092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9224701	(A/G)
19093	CakSNP19093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9224756	(A/G)
19094	CakSNP19094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9226486	(T/C)
19095	CakSNP19095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9239246	(T/C)
19096	CakSNP19096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9239264	(A/G)
19097	CakSNP19097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9239699	(G/A)
19098	CakSNP19098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9239708	(G/A)
19099	CakSNP19099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9248504	(T/C)
19100	CakSNP19100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9248531	(C/G)
19101	CakSNP19101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9250624	(A/G)
19102	CakSNP19102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9251558	(C/G)
19103	CakSNP19103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9252627	(C/T)
19104	CakSNP19104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9260377	(A/G)
19105	CakSNP19105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9275027	(C/T)
19106	CakSNP19106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9279086	(G/A)
19107	CakSNP19107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9279103	(C/G)
19108	CakSNP19108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9280476	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19109	CakSNP19109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9285521	(A/G)
19110	CakSNP19110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9285552	(A/C)
19111	CakSNP19111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9290097	(C/T)
19112	CakSNP19112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9290124	(T/C)
19113	CakSNP19113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9291022	(T/C)
19114	CakSNP19114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9291386	(G/T)
19115	CakSNP19115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9295107	(C/T)
19116	CakSNP19116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9302031	(A/G)
19117	CakSNP19117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9303206	(G/C)
19118	CakSNP19118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9303255	(G/A)
19119	CakSNP19119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9306274	(T/C)
19120	CakSNP19120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9311223	(T/C)
19121	CakSNP19121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9311232	(T/C)
19122	CakSNP19122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9313124	(G/A)
19123	CakSNP19123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9313760	(A/C)
19124	CakSNP19124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9313761	(G/C)
19125	CakSNP19125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9313763	(T/A)
19126	CakSNP19126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9313764	(C/T)
19127	CakSNP19127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9323010	(A/G)
19128	CakSNP19128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9325321	(G/A)
19129	CakSNP19129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9326340	(C/G)
19130	CakSNP19130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9326358	(C/T)
19131	CakSNP19131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9327287	(G/A)
19132	CakSNP19132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9329987	(A/G)
19133	CakSNP19133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9331268	(T/A)
19134	CakSNP19134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9331322	(G/A)
19135	CakSNP19135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9336282	(C/T)
19136	CakSNP19136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9336314	(A/G)
19137	CakSNP19137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9337079	(A/G)
19138	CakSNP19138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9337886	(G/A)
19139	CakSNP19139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9337907	(G/A)
19140	CakSNP19140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9341919	(G/A)
19141	CakSNP19141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9343441	(C/T)
19142	CakSNP19142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9343510	(A/C)
19143	CakSNP19143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9343631	(G/A)
19144	CakSNP19144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9349136	(G/A)
19145	CakSNP19145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9349164	(C/T)
19146	CakSNP19146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9360445	(T/C)
19147	CakSNP19147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9360845	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19148	CakSNP19148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9361697	(A/G)
19149	CakSNP19149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9362542	(T/G)
19150	CakSNP19150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9364583	(A/G)
19151	CakSNP19151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9364589	(C/G)
19152	CakSNP19152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9370733	(A/C)
19153	CakSNP19153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9373782	(A/G)
19154	CakSNP19154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9378726	(T/C)
19155	CakSNP19155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9380666	(A/G)
19156	CakSNP19156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9380693	(T/C)
19157	CakSNP19157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9383066	(T/C)
19158	CakSNP19158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9386351	(T/C)
19159	CakSNP19159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9389346	(C/T)
19160	CakSNP19160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9393532	(C/T)
19161	CakSNP19161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9394058	(G/A)
19162	CakSNP19162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9395983	(G/T)
19163	CakSNP19163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9396052	(G/A)
19164	CakSNP19164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9396286	(T/C)
19165	CakSNP19165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9396295	(T/C)
19166	CakSNP19166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9397435	(C/T)
19167	CakSNP19167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9397440	(T/A)
19168	CakSNP19168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9404461	(G/A)
19169	CakSNP19169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9404509	(T/C)
19170	CakSNP19170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9410160	(A/G)
19171	CakSNP19171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9412751	(G/C)
19172	CakSNP19172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9412760	(A/G)
19173	CakSNP19173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9414379	(T/G)
19174	CakSNP19174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9415076	(A/G)
19175	CakSNP19175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9415133	(G/A)
19176	CakSNP19176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9418681	(T/A)
19177	CakSNP19177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9421464	(A/C)
19178	CakSNP19178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9421521	(T/C)
19179	CakSNP19179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9425870	(T/C)
19180	CakSNP19180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9429363	(A/C)
19181	CakSNP19181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9432400	(T/C)
19182	CakSNP19182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9434348	(T/C)
19183	CakSNP19183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9434372	(T/G)
19184	CakSNP19184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9435488	(T/G)
19185	CakSNP19185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9437375	(A/G)
19186	CakSNP19186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9437396	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19187	CakSNP19187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9437960	(C/T)
19188	CakSNP19188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9437977	(A/G)
19189	CakSNP19189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9438865	(G/C)
19190	CakSNP19190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9442353	(G/C)
19191	CakSNP19191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9442362	(A/G)
19192	CakSNP19192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9444085	(T/C)
19193	CakSNP19193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9448354	(G/T)
19194	CakSNP19194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9452904	(G/A)
19195	CakSNP19195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9456475	(T/C)
19196	CakSNP19196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9456505	(T/G)
19197	CakSNP19197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9457401	(G/C)
19198	CakSNP19198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9462647	(A/G)
19199	CakSNP19199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9462650	(C/G)
19200	CakSNP19200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9469427	(G/C)
19201	CakSNP19201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9475012	(A/G)
19202	CakSNP19202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9479197	(G/C)
19203	CakSNP19203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9479611	(A/T)
19204	CakSNP19204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9482483	(T/C)
19205	CakSNP19205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9493569	(T/G)
19206	CakSNP19206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9493584	(T/G)
19207	CakSNP19207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9495891	(C/G)
19208	CakSNP19208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9495933	(T/G)
19209	CakSNP19209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9501269	(T/C)
19210	CakSNP19210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9503039	(G/T)
19211	CakSNP19211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9510912	(A/G)
19212	CakSNP19212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9511963	(C/T)
19213	CakSNP19213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9511976	(G/A)
19214	CakSNP19214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9513069	(C/T)
19215	CakSNP19215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9513373	(T/C)
19216	CakSNP19216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9513845	(G/A)
19217	CakSNP19217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9518015	(G/A)
19218	CakSNP19218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9519581	(C/T)
19219	CakSNP19219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9519617	(C/T)
19220	CakSNP19220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9519815	(A/G)
19221	CakSNP19221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9519824	(A/G)
19222	CakSNP19222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9522876	(C/G)
19223	CakSNP19223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9523870	(C/G)
19224	CakSNP19224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9523885	(C/T)
19225	CakSNP19225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9523894	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19226	CakSNP19226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9524048	(A/G)
19227	CakSNP19227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9527559	(T/A)
19228	CakSNP19228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533107	(C/T)
19229	CakSNP19229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533143	(C/T)
19230	CakSNP19230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533629	(G/A)
19231	CakSNP19231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533635	(A/G)
19232	CakSNP19232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533903	(G/C)
19233	CakSNP19233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9533953	(G/T)
19234	CakSNP19234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9535405	(A/C)
19235	CakSNP19235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9535430	(A/C)
19236	CakSNP19236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9545146	(T/G)
19237	CakSNP19237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9545486	(A/T)
19238	CakSNP19238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9551035	(G/C)
19239	CakSNP19239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9554120	(A/G)
19240	CakSNP19240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9555017	(C/T)
19241	CakSNP19241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9555080	(T/C)
19242	CakSNP19242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9565532	(C/T)
19243	CakSNP19243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9565561	(T/G)
19244	CakSNP19244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9573858	(T/C)
19245	CakSNP19245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9585179	(T/C)
19246	CakSNP19246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9586184	(G/C)
19247	CakSNP19247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9595407	(C/G)
19248	CakSNP19248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9595430	(C/T)
19249	CakSNP19249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9595612	(T/G)
19250	CakSNP19250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9595624	(C/G)
19251	CakSNP19251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9602675	(T/C)
19252	CakSNP19252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9607619	(G/A)
19253	CakSNP19253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9608629	(C/T)
19254	CakSNP19254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9611662	(C/T)
19255	CakSNP19255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9611695	(A/C)
19256	CakSNP19256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9612481	(C/T)
19257	CakSNP19257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9615028	(G/T)
19258	CakSNP19258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9619205	(G/A)
19259	CakSNP19259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9622636	(A/C)
19260	CakSNP19260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9624793	(T/C)
19261	CakSNP19261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9626464	(G/A)
19262	CakSNP19262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9626469	(G/A)
19263	CakSNP19263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9626640	(G/T)
19264	CakSNP19264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9626684	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19265	CakSNP19265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9627699	(T/C)
19266	CakSNP19266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9628193	(A/G)
19267	CakSNP19267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9628195	(T/G)
19268	CakSNP19268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9633018	(A/C)
19269	CakSNP19269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9633019	(G/A)
19270	CakSNP19270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9634980	(C/G)
19271	CakSNP19271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9634986	(C/T)
19272	CakSNP19272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9635479	(G/A)
19273	CakSNP19273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9639661	(A/G)
19274	CakSNP19274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9639705	(C/A)
19275	CakSNP19275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9648137	(G/A)
19276	CakSNP19276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9650779	(A/G)
19277	CakSNP19277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9653500	(G/A)
19278	CakSNP19278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9653548	(G/T)
19279	CakSNP19279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9655416	(G/C)
19280	CakSNP19280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9655928	(C/G)
19281	CakSNP19281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9658278	(G/A)
19282	CakSNP19282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9660064	(C/G)
19283	CakSNP19283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9661613	(G/C)
19284	CakSNP19284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9664866	(C/T)
19285	CakSNP19285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9664901	(G/C)
19286	CakSNP19286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9668776	(G/T)
19287	CakSNP19287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9672444	(T/C)
19288	CakSNP19288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9672812	(G/A)
19289	CakSNP19289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9678908	(A/G)
19290	CakSNP19290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9678917	(C/T)
19291	CakSNP19291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9679714	(T/G)
19292	CakSNP19292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9681415	(G/C)
19293	CakSNP19293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9685223	(G/C)
19294	CakSNP19294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9689620	(A/G)
19295	CakSNP19295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9689670	(A/G)
19296	CakSNP19296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9699577	(C/T)
19297	CakSNP19297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9702980	(T/C)
19298	CakSNP19298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9702994	(T/C)
19299	CakSNP19299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9718247	(G/A)
19300	CakSNP19300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9718330	(C/A)
19301	CakSNP19301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9718375	(C/T)
19302	CakSNP19302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9719868	(T/C)
19303	CakSNP19303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9720016	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19304	CakSNP19304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9720034	(A/G)
19305	CakSNP19305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9725329	(A/C)
19306	CakSNP19306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9726829	(G/T)
19307	CakSNP19307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9726834	(T/C)
19308	CakSNP19308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9730519	(A/G)
19309	CakSNP19309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9730534	(C/A)
19310	CakSNP19310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9737591	(A/G)
19311	CakSNP19311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9738624	(A/C)
19312	CakSNP19312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9738660	(G/A)
19313	CakSNP19313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9739260	(A/C)
19314	CakSNP19314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9739831	(G/A)
19315	CakSNP19315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9741292	(C/A)
19316	CakSNP19316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9751264	(G/C)
19317	CakSNP19317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9751267	(C/T)
19318	CakSNP19318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9751700	(A/C)
19319	CakSNP19319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9751701	(G/A)
19320	CakSNP19320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9758471	(C/T)
19321	CakSNP19321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9765484	(C/G)
19322	CakSNP19322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9765523	(T/C)
19323	CakSNP19323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9766654	(C/T)
19324	CakSNP19324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9780824	(T/C)
19325	CakSNP19325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9780872	(T/C)
19326	CakSNP19326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9781196	(C/T)
19327	CakSNP19327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9781236	(A/G)
19328	CakSNP19328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9783341	(A/G)
19329	CakSNP19329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9786959	(G/C)
19330	CakSNP19330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9788350	(G/A)
19331	CakSNP19331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9788437	(T/C)
19332	CakSNP19332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9793854	(C/G)
19333	CakSNP19333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9802771	(T/G)
19334	CakSNP19334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9804090	(G/A)
19335	CakSNP19335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9804109	(C/T)
19336	CakSNP19336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9804576	(G/A)
19337	CakSNP19337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9809489	(T/C)
19338	CakSNP19338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9809493	(T/C)
19339	CakSNP19339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9815146	(G/T)
19340	CakSNP19340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9815151	(A/T)
19341	CakSNP19341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9823378	(C/G)
19342	CakSNP19342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9830944	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19343	CakSNP19343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9830977	(T/C)
19344	CakSNP19344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9832549	(G/A)
19345	CakSNP19345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9833972	(G/A)
19346	CakSNP19346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9836572	(G/T)
19347	CakSNP19347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9845280	(A/C)
19348	CakSNP19348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9845868	(T/C)
19349	CakSNP19349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9847577	(C/A)
19350	CakSNP19350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9847585	(G/A)
19351	CakSNP19351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9848680	(G/C)
19352	CakSNP19352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9850046	(A/G)
19353	CakSNP19353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9853101	(A/C)
19354	CakSNP19354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9863140	(A/G)
19355	CakSNP19355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9863513	(T/C)
19356	CakSNP19356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9863525	(G/C)
19357	CakSNP19357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9865957	(C/T)
19358	CakSNP19358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9870575	(T/C)
19359	CakSNP19359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9872528	(T/G)
19360	CakSNP19360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9872591	(C/G)
19361	CakSNP19361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9878441	(A/G)
19362	CakSNP19362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9880795	(C/G)
19363	CakSNP19363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9881788	(G/T)
19364	CakSNP19364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9881800	(A/G)
19365	CakSNP19365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9884524	(T/G)
19366	CakSNP19366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9885838	(G/C)
19367	CakSNP19367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9889813	(T/C)
19368	CakSNP19368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9891114	(G/T)
19369	CakSNP19369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9891158	(T/C)
19370	CakSNP19370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9891452	(A/G)
19371	CakSNP19371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9896914	(G/A)
19372	CakSNP19372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9896968	(G/A)
19373	CakSNP19373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9899452	(C/G)
19374	CakSNP19374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9901759	(C/T)
19375	CakSNP19375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9901779	(G/C)
19376	CakSNP19376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9908975	(T/C)
19377	CakSNP19377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9913858	(G/T)
19378	CakSNP19378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9913864	(G/A)
19379	CakSNP19379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9914830	(G/T)
19380	CakSNP19380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9915716	(C/G)
19381	CakSNP19381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9915762	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19382	CakSNP19382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9915772	(C/G)
19383	CakSNP19383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9918090	(C/A)
19384	CakSNP19384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9918838	(C/G)
19385	CakSNP19385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9918841	(A/G)
19386	CakSNP19386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9918853	(C/T)
19387	CakSNP19387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9923995	(C/T)
19388	CakSNP19388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9924598	(C/T)
19389	CakSNP19389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9924640	(T/A)
19390	CakSNP19390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9924819	(G/T)
19391	CakSNP19391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9924862	(G/A)
19392	CakSNP19392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9929093	(C/T)
19393	CakSNP19393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9932690	(G/A)
19394	CakSNP19394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9932696	(G/C)
19395	CakSNP19395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9933865	(G/C)
19396	CakSNP19396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9933889	(A/G)
19397	CakSNP19397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9937838	(T/C)
19398	CakSNP19398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9938641	(A/G)
19399	CakSNP19399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9938665	(G/C)
19400	CakSNP19400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9940609	(C/T)
19401	CakSNP19401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9942826	(T/C)
19402	CakSNP19402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9942846	(A/G)
19403	CakSNP19403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9947560	(A/C)
19404	CakSNP19404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9951000	(A/G)
19405	CakSNP19405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9962011	(G/A)
19406	CakSNP19406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9962035	(C/T)
19407	CakSNP19407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9973611	(G/T)
19408	CakSNP19408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9973617	(T/C)
19409	CakSNP19409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9973620	(A/G)
19410	CakSNP19410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9974899	(G/A)
19411	CakSNP19411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9976962	(T/C)
19412	CakSNP19412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9976966	(A/G)
19413	CakSNP19413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9981376	(A/C)
19414	CakSNP19414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9981406	(G/T)
19415	CakSNP19415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9985529	(C/G)
19416	CakSNP19416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9985544	(C/G)
19417	CakSNP19417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9996966	(G/A)
19418	CakSNP19418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	9996979	(G/T)
19419	CakSNP19419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10003680	(G/T)
19420	CakSNP19420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10008824	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19421	CakSNP19421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10009526	(T/C)
19422	CakSNP19422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10012784	(A/G)
19423	CakSNP19423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10012811	(G/C)
19424	CakSNP19424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10013047	(C/T)
19425	CakSNP19425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10013311	(A/C)
19426	CakSNP19426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10013608	(T/C)
19427	CakSNP19427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10013617	(T/G)
19428	CakSNP19428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10015026	(C/G)
19429	CakSNP19429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10015729	(T/G)
19430	CakSNP19430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10016049	(C/A)
19431	CakSNP19431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10019860	(A/G)
19432	CakSNP19432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10019905	(A/G)
19433	CakSNP19433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10022721	(T/C)
19434	CakSNP19434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10022740	(C/A)
19435	CakSNP19435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10032574	(T/C)
19436	CakSNP19436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10032577	(T/G)
19437	CakSNP19437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10039375	(C/G)
19438	CakSNP19438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10039400	(C/T)
19439	CakSNP19439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10040960	(T/C)
19440	CakSNP19440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10041262	(T/G)
19441	CakSNP19441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10043768	(T/C)
19442	CakSNP19442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10045315	(A/G)
19443	CakSNP19443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10045339	(C/G)
19444	CakSNP19444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10061400	(T/C)
19445	CakSNP19445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10061401	(T/C)
19446	CakSNP19446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10061405	(C/G)
19447	CakSNP19447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10068192	(T/C)
19448	CakSNP19448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10070360	(G/C)
19449	CakSNP19449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10077413	(C/T)
19450	CakSNP19450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10077418	(C/T)
19451	CakSNP19451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10078621	(C/T)
19452	CakSNP19452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10084025	(T/C)
19453	CakSNP19453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10086513	(A/G)
19454	CakSNP19454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10086534	(C/T)
19455	CakSNP19455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10088290	(T/C)
19456	CakSNP19456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10090741	(G/C)
19457	CakSNP19457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10090793	(G/A)
19458	CakSNP19458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10091452	(G/C)
19459	CakSNP19459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10091458	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19460	CakSNP19460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10093966	(A/G)
19461	CakSNP19461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10093969	(C/A)
19462	CakSNP19462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10096801	(A/G)
19463	CakSNP19463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10096810	(C/T)
19464	CakSNP19464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10097986	(T/C)
19465	CakSNP19465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10101482	(C/T)
19466	CakSNP19466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10101496	(C/T)
19467	CakSNP19467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10103354	(T/G)
19468	CakSNP19468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10103399	(A/C)
19469	CakSNP19469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10104830	(C/T)
19470	CakSNP19470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10104864	(G/A)
19471	CakSNP19471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10109044	(C/G)
19472	CakSNP19472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10112518	(A/C)
19473	CakSNP19473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10112928	(A/C)
19474	CakSNP19474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10112950	(G/C)
19475	CakSNP19475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10117322	(C/T)
19476	CakSNP19476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10117331	(T/G)
19477	CakSNP19477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10124748	(A/G)
19478	CakSNP19478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10124801	(G/A)
19479	CakSNP19479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10129566	(G/C)
19480	CakSNP19480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10129575	(T/C)
19481	CakSNP19481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10137026	(C/G)
19482	CakSNP19482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10137050	(T/C)
19483	CakSNP19483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10138779	(A/C)
19484	CakSNP19484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10141306	(G/T)
19485	CakSNP19485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10141307	(T/C)
19486	CakSNP19486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10141954	(A/G)
19487	CakSNP19487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10142443	(C/T)
19488	CakSNP19488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10145154	(A/G)
19489	CakSNP19489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10149666	(T/C)
19490	CakSNP19490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10149781	(G/A)
19491	CakSNP19491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10149790	(A/G)
19492	CakSNP19492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10149841	(T/C)
19493	CakSNP19493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10149869	(A/C)
19494	CakSNP19494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10156177	(T/C)
19495	CakSNP19495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10156216	(G/C)
19496	CakSNP19496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10168295	(G/A)
19497	CakSNP19497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10168335	(A/G)
19498	CakSNP19498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10169966	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19499	CakSNP19499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10169996	(A/G)
19500	CakSNP19500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10171792	(A/C)
19501	CakSNP19501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10171816	(A/G)
19502	CakSNP19502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10175611	(A/C)
19503	CakSNP19503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10177607	(A/G)
19504	CakSNP19504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10177613	(T/C)
19505	CakSNP19505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10178789	(G/C)
19506	CakSNP19506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10178804	(C/T)
19507	CakSNP19507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10190673	(A/G)
19508	CakSNP19508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10194406	(C/T)
19509	CakSNP19509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10194475	(A/G)
19510	CakSNP19510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10205609	(G/A)
19511	CakSNP19511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10210572	(G/T)
19512	CakSNP19512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10213833	(A/C)
19513	CakSNP19513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10217093	(C/G)
19514	CakSNP19514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10217104	(A/C)
19515	CakSNP19515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10225142	(C/T)
19516	CakSNP19516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10225149	(G/A)
19517	CakSNP19517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10228761	(A/G)
19518	CakSNP19518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10228762	(G/A)
19519	CakSNP19519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10230849	(G/T)
19520	CakSNP19520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10230851	(T/C)
19521	CakSNP19521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10236737	(C/T)
19522	CakSNP19522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10254467	(C/T)
19523	CakSNP19523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10255898	(A/G)
19524	CakSNP19524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10256594	(C/G)
19525	CakSNP19525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10257196	(A/G)
19526	CakSNP19526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10261646	(T/C)
19527	CakSNP19527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10261700	(G/C)
19528	CakSNP19528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10262876	(C/T)
19529	CakSNP19529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10263678	(A/G)
19530	CakSNP19530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10265917	(C/T)
19531	CakSNP19531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10265974	(C/A)
19532	CakSNP19532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10269550	(C/T)
19533	CakSNP19533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10269607	(T/G)
19534	CakSNP19534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10274756	(G/T)
19535	CakSNP19535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10274772	(T/C)
19536	CakSNP19536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10279030	(C/T)
19537	CakSNP19537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10280444	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19538	CakSNP19538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10286367	(T/C)
19539	CakSNP19539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10288899	(T/A)
19540	CakSNP19540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10288969	(C/T)
19541	CakSNP19541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10290935	(A/G)
19542	CakSNP19542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10291504	(G/A)
19543	CakSNP19543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10291534	(C/T)
19544	CakSNP19544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10292621	(T/C)
19545	CakSNP19545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10300039	(G/A)
19546	CakSNP19546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10309223	(C/G)
19547	CakSNP19547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10313066	(G/A)
19548	CakSNP19548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10313087	(A/G)
19549	CakSNP19549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10313600	(T/C)
19550	CakSNP19550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10320550	(G/C)
19551	CakSNP19551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10320553	(C/T)
19552	CakSNP19552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10321987	(T/A)
19553	CakSNP19553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10322002	(T/C)
19554	CakSNP19554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10324130	(C/G)
19555	CakSNP19555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10324205	(G/C)
19556	CakSNP19556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10328878	(T/C)
19557	CakSNP19557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10329076	(C/T)
19558	CakSNP19558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10332868	(G/A)
19559	CakSNP19559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10336212	(C/T)
19560	CakSNP19560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10336214	(C/T)
19561	CakSNP19561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10336794	(G/C)
19562	CakSNP19562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10339873	(C/T)
19563	CakSNP19563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10340283	(T/C)
19564	CakSNP19564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10349134	(G/T)
19565	CakSNP19565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10352881	(A/C)
19566	CakSNP19566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10352883	(A/G)
19567	CakSNP19567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10359340	(T/G)
19568	CakSNP19568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10362271	(C/T)
19569	CakSNP19569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10362307	(A/C)
19570	CakSNP19570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10371987	(T/G)
19571	CakSNP19571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10382340	(G/C)
19572	CakSNP19572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10382402	(T/C)
19573	CakSNP19573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10386409	(C/T)
19574	CakSNP19574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10387229	(G/A)
19575	CakSNP19575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10388512	(A/G)
19576	CakSNP19576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10389471	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19577	CakSNP19577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10397284	(C/T)
19578	CakSNP19578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10397306	(C/G)
19579	CakSNP19579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10398136	(C/T)
19580	CakSNP19580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10400788	(G/C)
19581	CakSNP19581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10404768	(A/G)
19582	CakSNP19582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10404818	(G/A)
19583	CakSNP19583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10407328	(C/G)
19584	CakSNP19584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10413612	(A/G)
19585	CakSNP19585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10415506	(T/C)
19586	CakSNP19586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10417123	(G/C)
19587	CakSNP19587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10417126	(A/G)
19588	CakSNP19588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10420396	(C/T)
19589	CakSNP19589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10420453	(T/G)
19590	CakSNP19590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10421757	(G/A)
19591	CakSNP19591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10421896	(C/A)
19592	CakSNP19592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10423550	(C/T)
19593	CakSNP19593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10423580	(T/C)
19594	CakSNP19594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10426889	(T/C)
19595	CakSNP19595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10426931	(G/A)
19596	CakSNP19596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10427834	(G/C)
19597	CakSNP19597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10427835	(C/T)
19598	CakSNP19598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10427855	(T/C)
19599	CakSNP19599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10428671	(G/A)
19600	CakSNP19600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10428677	(G/T)
19601	CakSNP19601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10433563	(T/G)
19602	CakSNP19602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10434056	(G/A)
19603	CakSNP19603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10434071	(G/T)
19604	CakSNP19604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10434715	(T/C)
19605	CakSNP19605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10438263	(A/C)
19606	CakSNP19606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10438309	(A/C)
19607	CakSNP19607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10449585	(A/T)
19608	CakSNP19608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10453372	(G/A)
19609	CakSNP19609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10457782	(A/G)
19610	CakSNP19610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10462185	(T/G)
19611	CakSNP19611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10463932	(A/G)
19612	CakSNP19612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10466745	(C/T)
19613	CakSNP19613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10466768	(C/T)
19614	CakSNP19614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10471964	(A/G)
19615	CakSNP19615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10474267	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19616	CakSNP19616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10474993	(G/A)
19617	CakSNP19617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10475020	(C/G)
19618	CakSNP19618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10476143	(A/C)
19619	CakSNP19619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10478166	(G/A)
19620	CakSNP19620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10478171	(C/T)
19621	CakSNP19621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10480186	(G/A)
19622	CakSNP19622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10480247	(G/A)
19623	CakSNP19623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10480562	(A/G)
19624	CakSNP19624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10487489	(C/T)
19625	CakSNP19625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10487501	(C/T)
19626	CakSNP19626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10487719	(C/A)
19627	CakSNP19627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10488191	(G/A)
19628	CakSNP19628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10488218	(T/C)
19629	CakSNP19629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10490833	(T/G)
19630	CakSNP19630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10490857	(C/T)
19631	CakSNP19631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10491343	(G/A)
19632	CakSNP19632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10491421	(A/C)
19633	CakSNP19633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10504586	(T/A)
19634	CakSNP19634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10509436	(C/T)
19635	CakSNP19635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10520172	(A/G)
19636	CakSNP19636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10521045	(C/T)
19637	CakSNP19637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10522423	(C/T)
19638	CakSNP19638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10526136	(T/C)
19639	CakSNP19639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10526145	(C/T)
19640	CakSNP19640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10527066	(C/A)
19641	CakSNP19641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10528013	(A/G)
19642	CakSNP19642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10538248	(G/A)
19643	CakSNP19643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10544632	(A/G)
19644	CakSNP19644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10546885	(A/G)
19645	CakSNP19645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10555780	(C/A)
19646	CakSNP19646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10558499	(C/T)
19647	CakSNP19647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10558812	(T/C)
19648	CakSNP19648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10559975	(A/G)
19649	CakSNP19649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10563440	(G/A)
19650	CakSNP19650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10566203	(C/G)
19651	CakSNP19651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10580621	(G/A)
19652	CakSNP19652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10583596	(G/A)
19653	CakSNP19653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10586396	(G/A)
19654	CakSNP19654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10586476	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19655	CakSNP19655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10587347	(T/C)
19656	CakSNP19656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10587505	(C/G)
19657	CakSNP19657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10597388	(C/G)
19658	CakSNP19658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10597948	(T/C)
19659	CakSNP19659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10601860	(C/T)
19660	CakSNP19660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10602584	(A/G)
19661	CakSNP19661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10604019	(C/T)
19662	CakSNP19662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10608370	(C/T)
19663	CakSNP19663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10609543	(G/A)
19664	CakSNP19664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10612490	(G/A)
19665	CakSNP19665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10613546	(T/G)
19666	CakSNP19666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10614294	(C/T)
19667	CakSNP19667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10614905	(G/A)
19668	CakSNP19668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10619587	(G/A)
19669	CakSNP19669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10623248	(A/G)
19670	CakSNP19670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10625948	(C/A)
19671	CakSNP19671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10625976	(A/T)
19672	CakSNP19672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10633747	(C/T)
19673	CakSNP19673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10634473	(A/G)
19674	CakSNP19674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10634539	(C/G)
19675	CakSNP19675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10635906	(G/A)
19676	CakSNP19676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10636722	(T/G)
19677	CakSNP19677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10636753	(T/C)
19678	CakSNP19678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10638379	(C/T)
19679	CakSNP19679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10638416	(C/T)
19680	CakSNP19680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10639123	(T/C)
19681	CakSNP19681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10639199	(A/C)
19682	CakSNP19682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10639200	(G/T)
19683	CakSNP19683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10639201	(A/C)
19684	CakSNP19684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10645075	(G/A)
19685	CakSNP19685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10648894	(A/C)
19686	CakSNP19686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10648964	(A/G)
19687	CakSNP19687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10651838	(C/T)
19688	CakSNP19688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10652481	(A/G)
19689	CakSNP19689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10652486	(T/C)
19690	CakSNP19690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10660520	(G/A)
19691	CakSNP19691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10675025	(A/G)
19692	CakSNP19692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10675052	(G/A)
19693	CakSNP19693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10675879	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19694	CakSNP19694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10682359	(A/G)
19695	CakSNP19695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10685319	(T/A)
19696	CakSNP19696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10690207	(C/A)
19697	CakSNP19697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10690236	(T/C)
19698	CakSNP19698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10704771	(C/T)
19699	CakSNP19699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10704772	(C/T)
19700	CakSNP19700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10709211	(G/A)
19701	CakSNP19701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10709212	(C/T)
19702	CakSNP19702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10711513	(C/T)
19703	CakSNP19703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10717240	(C/T)
19704	CakSNP19704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10725261	(T/C)
19705	CakSNP19705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10725280	(A/G)
19706	CakSNP19706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10726837	(T/G)
19707	CakSNP19707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10726857	(A/G)
19708	CakSNP19708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10727523	(C/T)
19709	CakSNP19709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10737510	(A/C)
19710	CakSNP19710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10737559	(A/G)
19711	CakSNP19711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10744775	(G/A)
19712	CakSNP19712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10748089	(T/C)
19713	CakSNP19713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10748469	(T/G)
19714	CakSNP19714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10750888	(A/G)
19715	CakSNP19715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10750911	(T/C)
19716	CakSNP19716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10750941	(G/A)
19717	CakSNP19717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10765332	(C/T)
19718	CakSNP19718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10774154	(C/A)
19719	CakSNP19719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10774193	(A/G)
19720	CakSNP19720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10779799	(C/G)
19721	CakSNP19721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10779817	(C/T)
19722	CakSNP19722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10784206	(C/G)
19723	CakSNP19723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10785716	(C/G)
19724	CakSNP19724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10793538	(C/T)
19725	CakSNP19725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10801968	(C/G)
19726	CakSNP19726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10802297	(T/C)
19727	CakSNP19727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10802312	(A/G)
19728	CakSNP19728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10804689	(A/C)
19729	CakSNP19729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10804725	(A/C)
19730	CakSNP19730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10815305	(C/T)
19731	CakSNP19731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10816024	(A/G)
19732	CakSNP19732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10820299	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19733	CakSNP19733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10820305	(T/G)
19734	CakSNP19734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10827752	(T/C)
19735	CakSNP19735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10827766	(C/G)
19736	CakSNP19736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10829958	(G/C)
19737	CakSNP19737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10830004	(C/T)
19738	CakSNP19738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10836808	(T/G)
19739	CakSNP19739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10837882	(A/G)
19740	CakSNP19740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10837892	(A/C)
19741	CakSNP19741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10843751	(G/A)
19742	CakSNP19742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10852994	(G/T)
19743	CakSNP19743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10853440	(C/A)
19744	CakSNP19744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10855184	(A/C)
19745	CakSNP19745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10859383	(A/G)
19746	CakSNP19746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10859422	(C/T)
19747	CakSNP19747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10863716	(A/C)
19748	CakSNP19748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10863767	(C/T)
19749	CakSNP19749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10867451	(C/A)
19750	CakSNP19750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10868177	(C/T)
19751	CakSNP19751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10871629	(C/T)
19752	CakSNP19752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10871630	(G/A)
19753	CakSNP19753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10872857	(C/A)
19754	CakSNP19754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10872867	(T/G)
19755	CakSNP19755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10873672	(G/C)
19756	CakSNP19756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10879509	(A/G)
19757	CakSNP19757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10880917	(G/C)
19758	CakSNP19758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10882337	(C/G)
19759	CakSNP19759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10884357	(A/G)
19760	CakSNP19760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10884407	(A/T)
19761	CakSNP19761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10894351	(C/A)
19762	CakSNP19762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10894895	(A/G)
19763	CakSNP19763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10894913	(T/C)
19764	CakSNP19764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10897663	(C/T)
19765	CakSNP19765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10905659	(A/G)
19766	CakSNP19766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10929918	(A/T)
19767	CakSNP19767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10930163	(G/T)
19768	CakSNP19768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10935880	(C/T)
19769	CakSNP19769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10935937	(A/C)
19770	CakSNP19770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10936993	(A/G)
19771	CakSNP19771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10942394	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19772	CakSNP19772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10942431	(A/G)
19773	CakSNP19773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10943375	(T/C)
19774	CakSNP19774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10943443	(C/T)
19775	CakSNP19775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10945287	(G/A)
19776	CakSNP19776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10945318	(G/C)
19777	CakSNP19777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10951393	(G/T)
19778	CakSNP19778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10951395	(A/G)
19779	CakSNP19779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10957310	(C/T)
19780	CakSNP19780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10958307	(C/T)
19781	CakSNP19781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10958312	(C/A)
19782	CakSNP19782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10959965	(C/G)
19783	CakSNP19783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10960754	(G/A)
19784	CakSNP19784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10964203	(C/T)
19785	CakSNP19785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10964227	(G/A)
19786	CakSNP19786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10971033	(G/A)
19787	CakSNP19787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10971053	(G/C)
19788	CakSNP19788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10977079	(A/C)
19789	CakSNP19789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10978239	(A/G)
19790	CakSNP19790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10978244	(G/A)
19791	CakSNP19791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10978256	(C/G)
19792	CakSNP19792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10985386	(T/C)
19793	CakSNP19793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10985566	(A/G)
19794	CakSNP19794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10985567	(T/C)
19795	CakSNP19795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10986704	(C/G)
19796	CakSNP19796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10986710	(C/G)
19797	CakSNP19797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10987146	(T/G)
19798	CakSNP19798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10987152	(T/A)
19799	CakSNP19799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10989989	(T/G)
19800	CakSNP19800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10994002	(C/T)
19801	CakSNP19801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10994032	(T/C)
19802	CakSNP19802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	10996772	(C/T)
19803	CakSNP19803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11000849	(G/C)
19804	CakSNP19804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11000856	(C/G)
19805	CakSNP19805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11009676	(C/T)
19806	CakSNP19806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11015742	(G/A)
19807	CakSNP19807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11018664	(C/A)
19808	CakSNP19808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11018718	(C/G)
19809	CakSNP19809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11022673	(C/G)
19810	CakSNP19810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11022685	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19811	CakSNP19811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11022766	(C/T)
19812	CakSNP19812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11025360	(A/C)
19813	CakSNP19813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11025765	(C/G)
19814	CakSNP19814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11035425	(C/T)
19815	CakSNP19815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11035455	(C/G)
19816	CakSNP19816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11038835	(C/G)
19817	CakSNP19817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11038859	(T/C)
19818	CakSNP19818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11041618	(G/A)
19819	CakSNP19819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11041631	(A/G)
19820	CakSNP19820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11049997	(A/G)
19821	CakSNP19821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11050024	(G/A)
19822	CakSNP19822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11052623	(T/G)
19823	CakSNP19823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11052626	(T/C)
19824	CakSNP19824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11059845	(G/A)
19825	CakSNP19825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11060901	(G/C)
19826	CakSNP19826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11063106	(T/A)
19827	CakSNP19827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11078845	(G/C)
19828	CakSNP19828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11081534	(T/C)
19829	CakSNP19829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11081662	(C/T)
19830	CakSNP19830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11083492	(G/A)
19831	CakSNP19831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11083548	(G/A)
19832	CakSNP19832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11086369	(G/A)
19833	CakSNP19833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11099095	(G/A)
19834	CakSNP19834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11101450	(A/G)
19835	CakSNP19835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11101462	(T/C)
19836	CakSNP19836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11114537	(G/C)
19837	CakSNP19837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11116590	(A/G)
19838	CakSNP19838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11116620	(T/C)
19839	CakSNP19839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11117655	(A/C)
19840	CakSNP19840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11127124	(T/C)
19841	CakSNP19841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11129839	(G/A)
19842	CakSNP19842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11132036	(G/C)
19843	CakSNP19843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11136790	(A/G)
19844	CakSNP19844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11136841	(C/T)
19845	CakSNP19845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11137317	(G/A)
19846	CakSNP19846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11137921	(G/T)
19847	CakSNP19847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11143568	(A/G)
19848	CakSNP19848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11144773	(A/G)
19849	CakSNP19849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11144842	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19850	CakSNP19850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11146079	(C/A)
19851	CakSNP19851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11161889	(G/T)
19852	CakSNP19852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11162483	(G/T)
19853	CakSNP19853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11162500	(A/G)
19854	CakSNP19854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11165328	(A/G)
19855	CakSNP19855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11165347	(A/C)
19856	CakSNP19856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11171823	(G/T)
19857	CakSNP19857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11172625	(A/G)
19858	CakSNP19858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11172634	(A/G)
19859	CakSNP19859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11174544	(G/T)
19860	CakSNP19860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11174567	(A/G)
19861	CakSNP19861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11177330	(C/G)
19862	CakSNP19862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11185106	(C/G)
19863	CakSNP19863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11188583	(G/C)
19864	CakSNP19864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11193535	(C/G)
19865	CakSNP19865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11193573	(G/A)
19866	CakSNP19866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11195851	(G/T)
19867	CakSNP19867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11204126	(C/T)
19868	CakSNP19868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11204171	(A/C)
19869	CakSNP19869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11205211	(G/A)
19870	CakSNP19870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11205220	(C/A)
19871	CakSNP19871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11205976	(A/G)
19872	CakSNP19872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11205991	(C/T)
19873	CakSNP19873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11207799	(T/C)
19874	CakSNP19874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11210096	(T/C)
19875	CakSNP19875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11212029	(T/C)
19876	CakSNP19876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11212077	(A/G)
19877	CakSNP19877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11212273	(G/C)
19878	CakSNP19878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11212276	(A/G)
19879	CakSNP19879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11226427	(A/G)
19880	CakSNP19880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11226478	(C/G)
19881	CakSNP19881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11232178	(C/A)
19882	CakSNP19882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11232208	(T/C)
19883	CakSNP19883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11235535	(T/C)
19884	CakSNP19884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11238073	(G/A)
19885	CakSNP19885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11238076	(C/G)
19886	CakSNP19886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11243846	(C/T)
19887	CakSNP19887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11247995	(G/A)
19888	CakSNP19888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11251636	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19889	CakSNP19889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11253863	(C/T)
19890	CakSNP19890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11253937	(C/T)
19891	CakSNP19891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11253941	(G/T)
19892	CakSNP19892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11254529	(C/A)
19893	CakSNP19893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11254535	(G/C)
19894	CakSNP19894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11257861	(A/G)
19895	CakSNP19895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11257890	(T/C)
19896	CakSNP19896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11260640	(C/T)
19897	CakSNP19897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11261285	(T/G)
19898	CakSNP19898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11263910	(C/T)
19899	CakSNP19899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11264488	(A/G)
19900	CakSNP19900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11266340	(C/G)
19901	CakSNP19901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11268597	(A/G)
19902	CakSNP19902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11269385	(C/A)
19903	CakSNP19903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11274782	(G/A)
19904	CakSNP19904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11274830	(A/G)
19905	CakSNP19905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11276474	(C/T)
19906	CakSNP19906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11281562	(A/G)
19907	CakSNP19907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11282591	(A/T)
19908	CakSNP19908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11284197	(C/T)
19909	CakSNP19909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11284218	(A/G)
19910	CakSNP19910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11294318	(T/C)
19911	CakSNP19911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11294360	(T/C)
19912	CakSNP19912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11298034	(A/G)
19913	CakSNP19913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11302009	(A/G)
19914	CakSNP19914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11303066	(G/A)
19915	CakSNP19915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11303067	(C/G)
19916	CakSNP19916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11303075	(A/G)
19917	CakSNP19917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11305242	(C/G)
19918	CakSNP19918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11311346	(G/A)
19919	CakSNP19919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11311355	(C/G)
19920	CakSNP19920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11313010	(G/A)
19921	CakSNP19921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11313019	(G/T)
19922	CakSNP19922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11320821	(C/T)
19923	CakSNP19923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11320852	(C/T)
19924	CakSNP19924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11320859	(C/G)
19925	CakSNP19925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11321893	(C/A)
19926	CakSNP19926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11322134	(A/G)
19927	CakSNP19927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11322171	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19928	CakSNP19928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11322424	(G/A)
19929	CakSNP19929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11328453	(T/C)
19930	CakSNP19930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11328457	(A/G)
19931	CakSNP19931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11330932	(A/C)
19932	CakSNP19932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11335776	(T/C)
19933	CakSNP19933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11335791	(T/C)
19934	CakSNP19934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11336858	(T/C)
19935	CakSNP19935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11337191	(G/A)
19936	CakSNP19936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11338105	(G/C)
19937	CakSNP19937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11338164	(A/T)
19938	CakSNP19938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11338385	(G/A)
19939	CakSNP19939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11338391	(C/G)
19940	CakSNP19940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11346296	(G/T)
19941	CakSNP19941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11353664	(T/C)
19942	CakSNP19942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11361169	(G/C)
19943	CakSNP19943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11361193	(C/A)
19944	CakSNP19944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11361211	(A/G)
19945	CakSNP19945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11361500	(G/C)
19946	CakSNP19946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11361520	(C/T)
19947	CakSNP19947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11375757	(C/T)
19948	CakSNP19948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11378866	(C/T)
19949	CakSNP19949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11378886	(G/C)
19950	CakSNP19950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11386105	(C/T)
19951	CakSNP19951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11386154	(C/G)
19952	CakSNP19952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11389200	(G/C)
19953	CakSNP19953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11393292	(C/T)
19954	CakSNP19954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11400208	(C/G)
19955	CakSNP19955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11400582	(C/A)
19956	CakSNP19956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11402566	(C/T)
19957	CakSNP19957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11403286	(A/G)
19958	CakSNP19958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11407953	(A/G)
19959	CakSNP19959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11416225	(A/G)
19960	CakSNP19960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11430755	(A/G)
19961	CakSNP19961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11434250	(T/G)
19962	CakSNP19962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11441548	(G/C)
19963	CakSNP19963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11441557	(T/C)
19964	CakSNP19964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11452594	(T/C)
19965	CakSNP19965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11452603	(A/G)
19966	CakSNP19966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11455379	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
19967	CakSNP19967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11455475	(T/C)
19968	CakSNP19968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11455484	(C/G)
19969	CakSNP19969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11467373	(G/A)
19970	CakSNP19970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11483928	(G/A)
19971	CakSNP19971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11485151	(G/A)
19972	CakSNP19972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11485417	(C/A)
19973	CakSNP19973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11489691	(A/G)
19974	CakSNP19974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11489727	(A/G)
19975	CakSNP19975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11492137	(T/C)
19976	CakSNP19976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11500226	(C/T)
19977	CakSNP19977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11500286	(A/G)
19978	CakSNP19978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11500518	(C/T)
19979	CakSNP19979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11500549	(G/A)
19980	CakSNP19980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11509689	(A/G)
19981	CakSNP19981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11509710	(T/A)
19982	CakSNP19982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11520113	(T/C)
19983	CakSNP19983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11520121	(T/G)
19984	CakSNP19984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11522244	(T/C)
19985	CakSNP19985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11522247	(G/A)
19986	CakSNP19986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11524862	(A/G)
19987	CakSNP19987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11524904	(A/G)
19988	CakSNP19988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11526181	(G/C)
19989	CakSNP19989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11526429	(C/T)
19990	CakSNP19990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11526440	(C/T)
19991	CakSNP19991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11536624	(T/G)
19992	CakSNP19992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11537381	(G/A)
19993	CakSNP19993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11539912	(A/G)
19994	CakSNP19994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11539928	(C/A)
19995	CakSNP19995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11543736	(G/A)
19996	CakSNP19996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11546270	(G/A)
19997	CakSNP19997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11546282	(G/A)
19998	CakSNP19998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11560747	(A/T)
19999	CakSNP19999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11560777	(T/A)
20000	CakSNP20000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11562092	(A/C)
20001	CakSNP20001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11566483	(T/C)
20002	CakSNP20002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11570439	(G/C)
20003	CakSNP20003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11571669	(C/T)
20004	CakSNP20004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11571683	(C/T)
20005	CakSNP20005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11572107	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20006	CakSNP20006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11576597	(G/A)
20007	CakSNP20007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11582680	(A/G)
20008	CakSNP20008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11584675	(A/G)
20009	CakSNP20009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11594624	(T/C)
20010	CakSNP20010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11596364	(G/A)
20011	CakSNP20011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11596442	(A/G)
20012	CakSNP20012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11597952	(C/T)
20013	CakSNP20013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11597994	(A/G)
20014	CakSNP20014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11601006	(G/T)
20015	CakSNP20015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11602335	(G/C)
20016	CakSNP20016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11602781	(C/G)
20017	CakSNP20017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11603266	(T/A)
20018	CakSNP20018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11621388	(A/G)
20019	CakSNP20019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11622352	(G/C)
20020	CakSNP20020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11622365	(A/T)
20021	CakSNP20021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11628118	(T/C)
20022	CakSNP20022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11628136	(A/C)
20023	CakSNP20023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11629142	(G/C)
20024	CakSNP20024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11629160	(T/G)
20025	CakSNP20025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11632641	(T/G)
20026	CakSNP20026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11632708	(T/C)
20027	CakSNP20027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11633909	(A/G)
20028	CakSNP20028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11635456	(T/C)
20029	CakSNP20029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11635493	(G/C)
20030	CakSNP20030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11637531	(C/T)
20031	CakSNP20031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11647295	(G/A)
20032	CakSNP20032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11647988	(A/G)
20033	CakSNP20033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11653902	(C/A)
20034	CakSNP20034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11654696	(G/T)
20035	CakSNP20035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11654699	(G/A)
20036	CakSNP20036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11657390	(G/A)
20037	CakSNP20037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11657404	(G/A)
20038	CakSNP20038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11657818	(C/T)
20039	CakSNP20039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11657827	(C/G)
20040	CakSNP20040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11658673	(G/C)
20041	CakSNP20041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11658712	(G/T)
20042	CakSNP20042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11658756	(C/G)
20043	CakSNP20043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11659710	(C/G)
20044	CakSNP20044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11663334	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20045	CakSNP20045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11665747	(C/T)
20046	CakSNP20046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11672834	(T/C)
20047	CakSNP20047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11672842	(G/A)
20048	CakSNP20048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11676813	(G/C)
20049	CakSNP20049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11677203	(G/T)
20050	CakSNP20050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11677211	(C/T)
20051	CakSNP20051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11677396	(A/G)
20052	CakSNP20052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11678405	(A/G)
20053	CakSNP20053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11681261	(C/A)
20054	CakSNP20054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11681262	(T/G)
20055	CakSNP20055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11691933	(A/G)
20056	CakSNP20056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11691993	(C/A)
20057	CakSNP20057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11700734	(G/A)
20058	CakSNP20058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11705216	(A/C)
20059	CakSNP20059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11705234	(G/A)
20060	CakSNP20060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11718358	(T/G)
20061	CakSNP20061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11727596	(A/G)
20062	CakSNP20062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11729357	(A/T)
20063	CakSNP20063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11729711	(C/A)
20064	CakSNP20064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11731601	(C/T)
20065	CakSNP20065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11732939	(G/A)
20066	CakSNP20066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11751802	(T/C)
20067	CakSNP20067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11751841	(C/T)
20068	CakSNP20068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11756035	(G/T)
20069	CakSNP20069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11757946	(C/T)
20070	CakSNP20070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11758845	(C/T)
20071	CakSNP20071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11758846	(G/A)
20072	CakSNP20072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11765477	(T/A)
20073	CakSNP20073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11767720	(T/C)
20074	CakSNP20074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11767747	(C/G)
20075	CakSNP20075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11773745	(C/G)
20076	CakSNP20076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11777816	(G/C)
20077	CakSNP20077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11785619	(G/A)
20078	CakSNP20078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11785637	(C/G)
20079	CakSNP20079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11789993	(G/T)
20080	CakSNP20080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11789999	(A/C)
20081	CakSNP20081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11792609	(C/T)
20082	CakSNP20082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11792678	(A/C)
20083	CakSNP20083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11792680	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20084	CakSNP20084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11797038	(T/C)
20085	CakSNP20085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11797045	(C/A)
20086	CakSNP20086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11797720	(C/T)
20087	CakSNP20087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11798474	(A/G)
20088	CakSNP20088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11800425	(C/T)
20089	CakSNP20089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11800433	(C/A)
20090	CakSNP20090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11801910	(G/C)
20091	CakSNP20091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11801949	(A/G)
20092	CakSNP20092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11801959	(C/G)
20093	CakSNP20093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11813358	(T/C)
20094	CakSNP20094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11813400	(T/A)
20095	CakSNP20095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11818388	(C/G)
20096	CakSNP20096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11818997	(A/C)
20097	CakSNP20097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11818999	(A/C)
20098	CakSNP20098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11821809	(C/T)
20099	CakSNP20099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11826617	(G/T)
20100	CakSNP20100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11826835	(C/T)
20101	CakSNP20101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11826865	(T/C)
20102	CakSNP20102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11828227	(C/A)
20103	CakSNP20103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11832922	(A/G)
20104	CakSNP20104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11836267	(T/C)
20105	CakSNP20105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11836286	(C/T)
20106	CakSNP20106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11839483	(T/C)
20107	CakSNP20107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11841284	(A/G)
20108	CakSNP20108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11842163	(T/C)
20109	CakSNP20109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11842187	(T/C)
20110	CakSNP20110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11844115	(G/C)
20111	CakSNP20111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11848053	(T/C)
20112	CakSNP20112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11850589	(C/G)
20113	CakSNP20113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11851324	(T/C)
20114	CakSNP20114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11851331	(G/A)
20115	CakSNP20115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11853095	(T/A)
20116	CakSNP20116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11855554	(A/G)
20117	CakSNP20117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11855592	(A/T)
20118	CakSNP20118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11857112	(A/G)
20119	CakSNP20119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11858823	(C/G)
20120	CakSNP20120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11858841	(C/T)
20121	CakSNP20121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11867607	(G/A)
20122	CakSNP20122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11868238	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20123	CakSNP20123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11868277	(C/T)
20124	CakSNP20124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11870258	(T/C)
20125	CakSNP20125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11879386	(A/C)
20126	CakSNP20126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11879392	(T/C)
20127	CakSNP20127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11887761	(T/C)
20128	CakSNP20128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11887771	(T/C)
20129	CakSNP20129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11888785	(T/C)
20130	CakSNP20130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11888809	(T/C)
20131	CakSNP20131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11901103	(A/T)
20132	CakSNP20132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11904032	(G/T)
20133	CakSNP20133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11905598	(T/A)
20134	CakSNP20134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11905613	(C/G)
20135	CakSNP20135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11909810	(G/C)
20136	CakSNP20136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11913469	(A/G)
20137	CakSNP20137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11917788	(G/C)
20138	CakSNP20138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11918472	(T/C)
20139	CakSNP20139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11921650	(T/C)
20140	CakSNP20140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11921653	(C/T)
20141	CakSNP20141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11926343	(G/A)
20142	CakSNP20142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11926414	(C/G)
20143	CakSNP20143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11928286	(C/G)
20144	CakSNP20144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11928288	(A/G)
20145	CakSNP20145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11932767	(C/T)
20146	CakSNP20146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11933776	(T/C)
20147	CakSNP20147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11933779	(T/C)
20148	CakSNP20148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11934806	(A/G)
20149	CakSNP20149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11934835	(C/T)
20150	CakSNP20150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11935833	(C/T)
20151	CakSNP20151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11936229	(A/T)
20152	CakSNP20152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11937312	(A/G)
20153	CakSNP20153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11937322	(A/C)
20154	CakSNP20154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11937520	(G/T)
20155	CakSNP20155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11941139	(A/G)
20156	CakSNP20156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11942242	(T/A)
20157	CakSNP20157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11942299	(C/T)
20158	CakSNP20158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11947730	(T/A)
20159	CakSNP20159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11953049	(C/G)
20160	CakSNP20160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11962838	(A/G)
20161	CakSNP20161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11962840	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20162	CakSNP20162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11965507	(A/G)
20163	CakSNP20163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11965510	(G/A)
20164	CakSNP20164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11970885	(C/G)
20165	CakSNP20165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11976757	(C/G)
20166	CakSNP20166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11983367	(T/C)
20167	CakSNP20167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11983391	(C/A)
20168	CakSNP20168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11986506	(G/A)
20169	CakSNP20169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11986536	(A/G)
20170	CakSNP20170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11986557	(A/G)
20171	CakSNP20171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11987561	(G/C)
20172	CakSNP20172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	11993728	(G/A)
20173	CakSNP20173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12005056	(T/C)
20174	CakSNP20174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12008099	(T/C)
20175	CakSNP20175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12008111	(T/C)
20176	CakSNP20176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12010534	(A/T)
20177	CakSNP20177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12018239	(A/G)
20178	CakSNP20178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12019804	(C/T)
20179	CakSNP20179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12024854	(T/G)
20180	CakSNP20180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12027996	(C/G)
20181	CakSNP20181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12028061	(A/G)
20182	CakSNP20182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12033965	(G/A)
20183	CakSNP20183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12033971	(C/T)
20184	CakSNP20184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12036188	(A/G)
20185	CakSNP20185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12036224	(T/A)
20186	CakSNP20186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12037582	(A/G)
20187	CakSNP20187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12037583	(T/C)
20188	CakSNP20188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12041729	(T/G)
20189	CakSNP20189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12049740	(G/A)
20190	CakSNP20190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12054052	(T/G)
20191	CakSNP20191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12063452	(G/A)
20192	CakSNP20192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12063460	(C/T)
20193	CakSNP20193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12065643	(T/G)
20194	CakSNP20194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12066145	(T/C)
20195	CakSNP20195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12075499	(A/T)
20196	CakSNP20196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12075514	(A/T)
20197	CakSNP20197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12075516	(C/G)
20198	CakSNP20198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12075524	(C/G)
20199	CakSNP20199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12076633	(T/C)
20200	CakSNP20200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12076636	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20201	CakSNP20201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12077380	(C/T)
20202	CakSNP20202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12079082	(G/A)
20203	CakSNP20203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12079352	(G/A)
20204	CakSNP20204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12079358	(G/C)
20205	CakSNP20205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12083899	(T/C)
20206	CakSNP20206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12083908	(G/T)
20207	CakSNP20207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12090488	(C/G)
20208	CakSNP20208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12100423	(C/T)
20209	CakSNP20209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12100504	(C/A)
20210	CakSNP20210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12105637	(T/C)
20211	CakSNP20211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12105669	(G/A)
20212	CakSNP20212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12108912	(G/A)
20213	CakSNP20213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12118782	(G/T)
20214	CakSNP20214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12118820	(T/A)
20215	CakSNP20215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12123015	(A/C)
20216	CakSNP20216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12123016	(G/C)
20217	CakSNP20217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12128221	(A/C)
20218	CakSNP20218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12129661	(T/C)
20219	CakSNP20219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12132152	(C/T)
20220	CakSNP20220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12140555	(C/T)
20221	CakSNP20221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12140573	(C/A)
20222	CakSNP20222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12141836	(G/A)
20223	CakSNP20223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12142574	(A/G)
20224	CakSNP20224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12151348	(A/G)
20225	CakSNP20225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12151375	(A/G)
20226	CakSNP20226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12157446	(T/G)
20227	CakSNP20227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12157447	(T/A)
20228	CakSNP20228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12157570	(G/A)
20229	CakSNP20229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12160442	(T/G)
20230	CakSNP20230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12160463	(C/T)
20231	CakSNP20231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12160547	(T/C)
20232	CakSNP20232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12160588	(A/G)
20233	CakSNP20233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12161049	(A/C)
20234	CakSNP20234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12163984	(G/C)
20235	CakSNP20235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12170666	(T/C)
20236	CakSNP20236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12174208	(C/G)
20237	CakSNP20237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12178363	(A/G)
20238	CakSNP20238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12181987	(G/A)
20239	CakSNP20239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12182026	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20240	CakSNP20240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12186730	(T/C)
20241	CakSNP20241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12186760	(C/G)
20242	CakSNP20242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12187344	(A/G)
20243	CakSNP20243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12192872	(C/T)
20244	CakSNP20244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12201334	(A/G)
20245	CakSNP20245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12202915	(A/G)
20246	CakSNP20246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12209776	(T/C)
20247	CakSNP20247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12215372	(G/T)
20248	CakSNP20248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12216070	(C/T)
20249	CakSNP20249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12217982	(G/A)
20250	CakSNP20250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12234821	(C/T)
20251	CakSNP20251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12236422	(T/C)
20252	CakSNP20252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12239018	(C/G)
20253	CakSNP20253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12240512	(A/G)
20254	CakSNP20254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12240549	(A/G)
20255	CakSNP20255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12243380	(A/G)
20256	CakSNP20256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12248626	(A/G)
20257	CakSNP20257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12251127	(C/A)
20258	CakSNP20258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12252623	(A/G)
20259	CakSNP20259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12257991	(T/C)
20260	CakSNP20260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12257993	(T/G)
20261	CakSNP20261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12264308	(G/T)
20262	CakSNP20262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12266786	(A/G)
20263	CakSNP20263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12269505	(G/C)
20264	CakSNP20264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12292363	(G/C)
20265	CakSNP20265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12298060	(C/G)
20266	CakSNP20266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12298745	(C/T)
20267	CakSNP20267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12301582	(A/C)
20268	CakSNP20268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12309140	(G/A)
20269	CakSNP20269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12309148	(A/G)
20270	CakSNP20270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12318085	(T/C)
20271	CakSNP20271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12318112	(T/C)
20272	CakSNP20272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12319732	(G/C)
20273	CakSNP20273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12323652	(G/C)
20274	CakSNP20274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12329986	(G/A)
20275	CakSNP20275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12329992	(C/T)
20276	CakSNP20276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12331347	(C/G)
20277	CakSNP20277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12331761	(G/C)
20278	CakSNP20278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12331775	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20279	CakSNP20279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12343528	(T/C)
20280	CakSNP20280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12343563	(T/C)
20281	CakSNP20281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12348038	(C/G)
20282	CakSNP20282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12348044	(C/G)
20283	CakSNP20283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12356015	(T/C)
20284	CakSNP20284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12360701	(T/G)
20285	CakSNP20285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12360722	(C/T)
20286	CakSNP20286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12364826	(G/T)
20287	CakSNP20287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12365459	(A/C)
20288	CakSNP20288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12368369	(C/T)
20289	CakSNP20289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12380551	(A/T)
20290	CakSNP20290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12380579	(G/C)
20291	CakSNP20291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12381201	(C/T)
20292	CakSNP20292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12381391	(C/T)
20293	CakSNP20293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12385312	(G/C)
20294	CakSNP20294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12385354	(A/C)
20295	CakSNP20295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12386113	(C/G)
20296	CakSNP20296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12387661	(C/A)
20297	CakSNP20297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12387670	(T/C)
20298	CakSNP20298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12391385	(G/A)
20299	CakSNP20299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12391414	(G/A)
20300	CakSNP20300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12394679	(T/C)
20301	CakSNP20301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12394728	(G/C)
20302	CakSNP20302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12394732	(C/T)
20303	CakSNP20303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12404927	(A/G)
20304	CakSNP20304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12411157	(C/G)
20305	CakSNP20305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12415971	(C/T)
20306	CakSNP20306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12417288	(C/A)
20307	CakSNP20307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12417294	(G/C)
20308	CakSNP20308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12420048	(G/C)
20309	CakSNP20309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12422409	(C/G)
20310	CakSNP20310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12422413	(A/C)
20311	CakSNP20311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12424936	(C/T)
20312	CakSNP20312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12424968	(A/T)
20313	CakSNP20313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12431462	(C/T)
20314	CakSNP20314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12440976	(C/T)
20315	CakSNP20315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12449927	(T/C)
20316	CakSNP20316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12449999	(C/T)
20317	CakSNP20317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12450760	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20318	CakSNP20318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12450818	(G/C)
20319	CakSNP20319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12450967	(C/T)
20320	CakSNP20320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12450989	(A/G)
20321	CakSNP20321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12467411	(A/G)
20322	CakSNP20322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12468098	(C/G)
20323	CakSNP20323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12471420	(T/C)
20324	CakSNP20324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12472768	(G/A)
20325	CakSNP20325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12473457	(A/G)
20326	CakSNP20326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12484829	(T/G)
20327	CakSNP20327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12485751	(A/G)
20328	CakSNP20328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12485766	(C/T)
20329	CakSNP20329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12486851	(A/G)
20330	CakSNP20330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12486854	(G/A)
20331	CakSNP20331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12487619	(C/T)
20332	CakSNP20332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12487668	(A/G)
20333	CakSNP20333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12496808	(C/T)
20334	CakSNP20334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12500463	(G/A)
20335	CakSNP20335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12500466	(G/C)
20336	CakSNP20336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12502746	(A/T)
20337	CakSNP20337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12505149	(G/T)
20338	CakSNP20338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12506116	(A/C)
20339	CakSNP20339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12506158	(A/G)
20340	CakSNP20340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12507925	(C/T)
20341	CakSNP20341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12514887	(A/C)
20342	CakSNP20342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12527488	(G/C)
20343	CakSNP20343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12529187	(A/G)
20344	CakSNP20344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12530009	(C/T)
20345	CakSNP20345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12539987	(C/T)
20346	CakSNP20346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12541576	(C/G)
20347	CakSNP20347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12550942	(C/T)
20348	CakSNP20348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12562412	(C/T)
20349	CakSNP20349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12562414	(G/A)
20350	CakSNP20350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12567144	(T/C)
20351	CakSNP20351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12568213	(A/G)
20352	CakSNP20352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12568222	(G/A)
20353	CakSNP20353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12572669	(A/C)
20354	CakSNP20354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12572691	(C/T)
20355	CakSNP20355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12578294	(T/C)
20356	CakSNP20356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12578300	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20357	CakSNP20357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12583593	(T/C)
20358	CakSNP20358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12588224	(G/A)
20359	CakSNP20359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12597602	(C/T)
20360	CakSNP20360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12597680	(C/T)
20361	CakSNP20361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12597698	(A/G)
20362	CakSNP20362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12598854	(G/A)
20363	CakSNP20363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12614448	(C/G)
20364	CakSNP20364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12614475	(T/G)
20365	CakSNP20365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12620203	(T/G)
20366	CakSNP20366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12625088	(G/A)
20367	CakSNP20367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12630071	(G/A)
20368	CakSNP20368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12630136	(C/G)
20369	CakSNP20369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12647378	(C/G)
20370	CakSNP20370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12647381	(C/T)
20371	CakSNP20371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12649202	(G/C)
20372	CakSNP20372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12649208	(G/A)
20373	CakSNP20373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12655462	(A/C)
20374	CakSNP20374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12655487	(A/C)
20375	CakSNP20375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12669133	(G/A)
20376	CakSNP20376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12672676	(T/C)
20377	CakSNP20377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12680590	(T/G)
20378	CakSNP20378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12680643	(T/C)
20379	CakSNP20379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12681610	(G/T)
20380	CakSNP20380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12683863	(C/A)
20381	CakSNP20381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12684098	(A/G)
20382	CakSNP20382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12684100	(C/T)
20383	CakSNP20383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12686753	(A/G)
20384	CakSNP20384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12686758	(C/A)
20385	CakSNP20385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12688024	(C/T)
20386	CakSNP20386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12688476	(G/C)
20387	CakSNP20387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12688489	(G/T)
20388	CakSNP20388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12689864	(G/A)
20389	CakSNP20389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12689914	(C/T)
20390	CakSNP20390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12691912	(C/A)
20391	CakSNP20391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12691926	(C/G)
20392	CakSNP20392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12692387	(A/G)
20393	CakSNP20393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12701219	(C/T)
20394	CakSNP20394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12701233	(A/G)
20395	CakSNP20395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12701423	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20396	CakSNP20396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12711354	(C/G)
20397	CakSNP20397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12711370	(T/C)
20398	CakSNP20398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12711403	(G/C)
20399	CakSNP20399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12712367	(A/G)
20400	CakSNP20400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12712436	(A/G)
20401	CakSNP20401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12712492	(C/G)
20402	CakSNP20402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12719308	(C/T)
20403	CakSNP20403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12728194	(C/A)
20404	CakSNP20404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12728235	(C/G)
20405	CakSNP20405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12728761	(G/C)
20406	CakSNP20406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12728774	(G/C)
20407	CakSNP20407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12730181	(C/T)
20408	CakSNP20408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12735810	(A/G)
20409	CakSNP20409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12735840	(G/A)
20410	CakSNP20410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12738518	(C/T)
20411	CakSNP20411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12738520	(T/C)
20412	CakSNP20412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12739001	(C/G)
20413	CakSNP20413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12739011	(G/C)
20414	CakSNP20414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12739895	(T/G)
20415	CakSNP20415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12740080	(T/G)
20416	CakSNP20416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12740138	(G/C)
20417	CakSNP20417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12748520	(T/C)
20418	CakSNP20418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12754598	(G/A)
20419	CakSNP20419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12760788	(G/T)
20420	CakSNP20420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12763262	(C/T)
20421	CakSNP20421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12765002	(G/C)
20422	CakSNP20422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12765006	(G/A)
20423	CakSNP20423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12767039	(A/G)
20424	CakSNP20424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12769214	(A/T)
20425	CakSNP20425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12770684	(A/G)
20426	CakSNP20426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12770747	(C/G)
20427	CakSNP20427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12772557	(A/G)
20428	CakSNP20428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12772584	(T/C)
20429	CakSNP20429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12776581	(G/A)
20430	CakSNP20430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12780073	(C/A)
20431	CakSNP20431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12785221	(C/A)
20432	CakSNP20432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12785230	(G/C)
20433	CakSNP20433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12785482	(C/G)
20434	CakSNP20434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12785515	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20435	CakSNP20435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12791066	(A/G)
20436	CakSNP20436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12791067	(A/G)
20437	CakSNP20437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12793473	(T/C)
20438	CakSNP20438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12793863	(G/A)
20439	CakSNP20439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12793884	(C/G)
20440	CakSNP20440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12795878	(C/T)
20441	CakSNP20441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12805396	(T/C)
20442	CakSNP20442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12812076	(C/G)
20443	CakSNP20443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12812111	(A/C)
20444	CakSNP20444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12817660	(C/T)
20445	CakSNP20445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12818175	(T/G)
20446	CakSNP20446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12829473	(G/A)
20447	CakSNP20447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12830550	(C/G)
20448	CakSNP20448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12830559	(G/A)
20449	CakSNP20449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12832898	(C/A)
20450	CakSNP20450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12832925	(C/G)
20451	CakSNP20451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12843699	(C/T)
20452	CakSNP20452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12843736	(T/A)
20453	CakSNP20453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12845113	(G/T)
20454	CakSNP20454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12848545	(T/C)
20455	CakSNP20455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12850100	(T/C)
20456	CakSNP20456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12850561	(A/G)
20457	CakSNP20457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12850591	(C/T)
20458	CakSNP20458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12854008	(A/G)
20459	CakSNP20459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12854011	(G/C)
20460	CakSNP20460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12856834	(T/G)
20461	CakSNP20461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12860525	(G/A)
20462	CakSNP20462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12862348	(T/G)
20463	CakSNP20463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12863560	(A/G)
20464	CakSNP20464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12865448	(C/T)
20465	CakSNP20465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12865468	(C/T)
20466	CakSNP20466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12869255	(A/G)
20467	CakSNP20467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12871791	(C/G)
20468	CakSNP20468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12872788	(G/A)
20469	CakSNP20469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12872842	(T/C)
20470	CakSNP20470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12876043	(A/G)
20471	CakSNP20471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12888592	(A/C)
20472	CakSNP20472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12897255	(A/G)
20473	CakSNP20473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12899024	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20474	CakSNP20474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12903398	(C/A)
20475	CakSNP20475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12903437	(C/A)
20476	CakSNP20476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12904085	(T/C)
20477	CakSNP20477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12904118	(A/G)
20478	CakSNP20478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12910271	(C/T)
20479	CakSNP20479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12910286	(A/G)
20480	CakSNP20480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12911244	(T/G)
20481	CakSNP20481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12911275	(A/G)
20482	CakSNP20482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12914398	(C/T)
20483	CakSNP20483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12914424	(C/A)
20484	CakSNP20484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12927462	(A/G)
20485	CakSNP20485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12933253	(T/C)
20486	CakSNP20486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12935128	(T/C)
20487	CakSNP20487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12935673	(C/G)
20488	CakSNP20488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12936805	(T/C)
20489	CakSNP20489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12939572	(T/C)
20490	CakSNP20490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12939580	(G/A)
20491	CakSNP20491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12974203	(T/C)
20492	CakSNP20492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12975846	(T/C)
20493	CakSNP20493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12976965	(C/G)
20494	CakSNP20494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12977012	(C/G)
20495	CakSNP20495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12980401	(G/A)
20496	CakSNP20496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12980404	(G/C)
20497	CakSNP20497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12981713	(C/T)
20498	CakSNP20498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12983088	(A/G)
20499	CakSNP20499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	12997717	(G/A)
20500	CakSNP20500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13000283	(A/C)
20501	CakSNP20501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13013951	(A/C)
20502	CakSNP20502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13013952	(G/A)
20503	CakSNP20503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13013955	(C/T)
20504	CakSNP20504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13014166	(T/C)
20505	CakSNP20505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13016388	(C/T)
20506	CakSNP20506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13016391	(G/C)
20507	CakSNP20507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13020665	(G/A)
20508	CakSNP20508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13021311	(G/A)
20509	CakSNP20509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13028389	(A/G)
20510	CakSNP20510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13028463	(G/A)
20511	CakSNP20511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13030260	(G/A)
20512	CakSNP20512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13031950	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20513	CakSNP20513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13032980	(G/A)
20514	CakSNP20514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13033007	(C/T)
20515	CakSNP20515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13044230	(G/C)
20516	CakSNP20516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13047420	(G/A)
20517	CakSNP20517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13048862	(C/T)
20518	CakSNP20518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13049519	(T/C)
20519	CakSNP20519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13051397	(C/G)
20520	CakSNP20520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13055832	(A/G)
20521	CakSNP20521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13060385	(C/A)
20522	CakSNP20522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13060407	(G/C)
20523	CakSNP20523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13064433	(G/A)
20524	CakSNP20524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13065262	(G/C)
20525	CakSNP20525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13082032	(G/C)
20526	CakSNP20526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13088614	(G/C)
20527	CakSNP20527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13101486	(C/G)
20528	CakSNP20528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13101540	(G/C)
20529	CakSNP20529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13107551	(T/G)
20530	CakSNP20530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13108297	(C/T)
20531	CakSNP20531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13108376	(A/G)
20532	CakSNP20532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13109480	(G/C)
20533	CakSNP20533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13109533	(C/G)
20534	CakSNP20534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13113390	(A/T)
20535	CakSNP20535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13113393	(T/C)
20536	CakSNP20536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13113408	(G/A)
20537	CakSNP20537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13114873	(A/C)
20538	CakSNP20538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13115242	(T/C)
20539	CakSNP20539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13117588	(T/G)
20540	CakSNP20540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13117614	(A/G)
20541	CakSNP20541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13119370	(T/C)
20542	CakSNP20542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13121866	(T/C)
20543	CakSNP20543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13121875	(A/G)
20544	CakSNP20544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13123297	(A/G)
20545	CakSNP20545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13124552	(A/G)
20546	CakSNP20546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13124612	(G/A)
20547	CakSNP20547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13127534	(G/T)
20548	CakSNP20548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13127558	(C/G)
20549	CakSNP20549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13131624	(G/A)
20550	CakSNP20550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13131674	(G/A)
20551	CakSNP20551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13138680	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20552	CakSNP20552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13138756	(G/A)
20553	CakSNP20553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13141952	(T/C)
20554	CakSNP20554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13143666	(C/G)
20555	CakSNP20555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13145752	(T/G)
20556	CakSNP20556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13145765	(C/T)
20557	CakSNP20557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13146212	(A/T)
20558	CakSNP20558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13146263	(T/A)
20559	CakSNP20559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13147196	(A/G)
20560	CakSNP20560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13147202	(G/A)
20561	CakSNP20561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13155547	(G/T)
20562	CakSNP20562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13162784	(G/C)
20563	CakSNP20563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13169513	(C/T)
20564	CakSNP20564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13169527	(C/T)
20565	CakSNP20565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13171259	(A/G)
20566	CakSNP20566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13171283	(A/G)
20567	CakSNP20567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13172040	(A/G)
20568	CakSNP20568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13173271	(C/T)
20569	CakSNP20569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13173276	(G/A)
20570	CakSNP20570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13178980	(C/G)
20571	CakSNP20571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13179014	(C/G)
20572	CakSNP20572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13182701	(C/G)
20573	CakSNP20573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13184993	(G/C)
20574	CakSNP20574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13187926	(C/T)
20575	CakSNP20575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13189933	(A/G)
20576	CakSNP20576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13194655	(A/C)
20577	CakSNP20577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13198712	(T/C)
20578	CakSNP20578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13198718	(C/T)
20579	CakSNP20579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13203576	(T/G)
20580	CakSNP20580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13205570	(T/C)
20581	CakSNP20581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13205676	(A/C)
20582	CakSNP20582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13206342	(G/C)
20583	CakSNP20583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13208511	(A/C)
20584	CakSNP20584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13208512	(G/A)
20585	CakSNP20585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13211264	(A/G)
20586	CakSNP20586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13219900	(G/T)
20587	CakSNP20587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13220434	(C/T)
20588	CakSNP20588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13220440	(A/G)
20589	CakSNP20589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13223422	(C/G)
20590	CakSNP20590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13223458	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20591	CakSNP20591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13233187	(T/A)
20592	CakSNP20592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13233773	(C/T)
20593	CakSNP20593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13236038	(A/C)
20594	CakSNP20594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13236125	(T/C)
20595	CakSNP20595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13236608	(A/G)
20596	CakSNP20596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13243606	(G/T)
20597	CakSNP20597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13243624	(C/A)
20598	CakSNP20598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13255115	(G/A)
20599	CakSNP20599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13256716	(C/T)
20600	CakSNP20600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13257182	(A/G)
20601	CakSNP20601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13257218	(C/T)
20602	CakSNP20602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13257741	(G/C)
20603	CakSNP20603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13257752	(C/T)
20604	CakSNP20604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13262646	(C/T)
20605	CakSNP20605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13262682	(G/C)
20606	CakSNP20606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13263857	(C/G)
20607	CakSNP20607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13263881	(T/C)
20608	CakSNP20608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13265069	(T/C)
20609	CakSNP20609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13265087	(G/C)
20610	CakSNP20610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13265898	(A/G)
20611	CakSNP20611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13265931	(G/A)
20612	CakSNP20612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13266100	(T/C)
20613	CakSNP20613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13266130	(A/T)
20614	CakSNP20614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13268055	(T/C)
20615	CakSNP20615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13268076	(G/T)
20616	CakSNP20616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13271245	(A/G)
20617	CakSNP20617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13271253	(T/C)
20618	CakSNP20618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13274178	(C/A)
20619	CakSNP20619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13274216	(C/G)
20620	CakSNP20620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13281091	(T/A)
20621	CakSNP20621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13283664	(C/A)
20622	CakSNP20622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13291126	(C/A)
20623	CakSNP20623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13298005	(C/T)
20624	CakSNP20624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13299371	(A/T)
20625	CakSNP20625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13299943	(G/A)
20626	CakSNP20626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13300502	(C/T)
20627	CakSNP20627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13300525	(C/T)
20628	CakSNP20628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13302088	(G/T)
20629	CakSNP20629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13302097	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20630	CakSNP20630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13305822	(C/T)
20631	CakSNP20631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13309255	(A/G)
20632	CakSNP20632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13309265	(T/C)
20633	CakSNP20633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13318048	(T/C)
20634	CakSNP20634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13321431	(G/C)
20635	CakSNP20635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13321444	(T/A)
20636	CakSNP20636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13326443	(T/A)
20637	CakSNP20637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13326470	(A/G)
20638	CakSNP20638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13331285	(A/G)
20639	CakSNP20639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13331312	(C/G)
20640	CakSNP20640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13338641	(A/C)
20641	CakSNP20641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13338649	(T/G)
20642	CakSNP20642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13342906	(A/G)
20643	CakSNP20643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13347586	(G/C)
20644	CakSNP20644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13347619	(C/T)
20645	CakSNP20645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13350368	(G/C)
20646	CakSNP20646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13350390	(A/G)
20647	CakSNP20647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13350733	(A/G)
20648	CakSNP20648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13350766	(T/C)
20649	CakSNP20649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13351946	(A/G)
20650	CakSNP20650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13354654	(C/G)
20651	CakSNP20651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13361155	(T/C)
20652	CakSNP20652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13368691	(G/T)
20653	CakSNP20653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13373609	(C/T)
20654	CakSNP20654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13373661	(G/A)
20655	CakSNP20655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13375276	(T/C)
20656	CakSNP20656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13376177	(C/T)
20657	CakSNP20657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13376187	(C/T)
20658	CakSNP20658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13390756	(T/C)
20659	CakSNP20659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13390759	(A/G)
20660	CakSNP20660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13400505	(T/C)
20661	CakSNP20661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13400514	(C/A)
20662	CakSNP20662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13402676	(C/T)
20663	CakSNP20663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13402685	(C/T)
20664	CakSNP20664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13402948	(T/C)
20665	CakSNP20665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13402956	(G/C)
20666	CakSNP20666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13402957	(C/T)
20667	CakSNP20667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13403374	(C/T)
20668	CakSNP20668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13404299	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20669	CakSNP20669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13405999	(T/C)
20670	CakSNP20670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13408133	(G/A)
20671	CakSNP20671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13413523	(C/T)
20672	CakSNP20672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13421129	(A/G)
20673	CakSNP20673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13423674	(G/A)
20674	CakSNP20674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13424125	(A/T)
20675	CakSNP20675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13425959	(C/G)
20676	CakSNP20676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13431139	(T/C)
20677	CakSNP20677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13434517	(C/G)
20678	CakSNP20678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13437430	(T/C)
20679	CakSNP20679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13438296	(C/A)
20680	CakSNP20680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13444653	(A/G)
20681	CakSNP20681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13449681	(C/T)
20682	CakSNP20682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13450012	(G/A)
20683	CakSNP20683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13451539	(T/C)
20684	CakSNP20684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13451572	(G/T)
20685	CakSNP20685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13452839	(A/G)
20686	CakSNP20686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13462372	(A/C)
20687	CakSNP20687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13465634	(C/G)
20688	CakSNP20688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13467173	(G/A)
20689	CakSNP20689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13475729	(C/T)
20690	CakSNP20690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13475780	(T/C)
20691	CakSNP20691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13477849	(T/C)
20692	CakSNP20692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13477879	(C/T)
20693	CakSNP20693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13482416	(C/T)
20694	CakSNP20694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13483653	(C/G)
20695	CakSNP20695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13483915	(C/T)
20696	CakSNP20696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13483957	(C/T)
20697	CakSNP20697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13484597	(G/A)
20698	CakSNP20698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13486160	(G/A)
20699	CakSNP20699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13486322	(C/T)
20700	CakSNP20700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13487264	(C/T)
20701	CakSNP20701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13487276	(C/T)
20702	CakSNP20702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13489767	(C/G)
20703	CakSNP20703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13489770	(A/G)
20704	CakSNP20704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13489794	(C/T)
20705	CakSNP20705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13494557	(G/C)
20706	CakSNP20706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13494571	(A/G)
20707	CakSNP20707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13500382	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20708	CakSNP20708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13511809	(A/G)
20709	CakSNP20709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13511857	(A/G)
20710	CakSNP20710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13515765	(T/C)
20711	CakSNP20711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13528252	(G/A)
20712	CakSNP20712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13528261	(G/A)
20713	CakSNP20713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13536814	(A/G)
20714	CakSNP20714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13536909	(C/T)
20715	CakSNP20715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13536915	(G/C)
20716	CakSNP20716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13539057	(G/C)
20717	CakSNP20717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13544201	(G/A)
20718	CakSNP20718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13550350	(T/C)
20719	CakSNP20719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13560452	(G/A)
20720	CakSNP20720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13565367	(C/G)
20721	CakSNP20721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13565390	(A/G)
20722	CakSNP20722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13575988	(T/C)
20723	CakSNP20723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13576027	(G/T)
20724	CakSNP20724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13602770	(G/T)
20725	CakSNP20725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13604914	(T/C)
20726	CakSNP20726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13604935	(C/T)
20727	CakSNP20727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13606541	(A/G)
20728	CakSNP20728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13613180	(T/C)
20729	CakSNP20729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13613224	(A/G)
20730	CakSNP20730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13613225	(A/G)
20731	CakSNP20731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13613231	(C/G)
20732	CakSNP20732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13617653	(C/T)
20733	CakSNP20733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13617683	(A/T)
20734	CakSNP20734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13623029	(G/A)
20735	CakSNP20735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13623080	(G/C)
20736	CakSNP20736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13625592	(C/G)
20737	CakSNP20737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13625871	(G/T)
20738	CakSNP20738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13626117	(C/T)
20739	CakSNP20739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13629263	(T/C)
20740	CakSNP20740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13629308	(C/T)
20741	CakSNP20741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13632321	(T/C)
20742	CakSNP20742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13632391	(A/G)
20743	CakSNP20743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13641188	(A/G)
20744	CakSNP20744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13641203	(G/A)
20745	CakSNP20745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13641400	(G/A)
20746	CakSNP20746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13643385	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20747	CakSNP20747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13643444	(A/G)
20748	CakSNP20748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13651337	(T/G)
20749	CakSNP20749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13655503	(A/G)
20750	CakSNP20750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13655518	(A/G)
20751	CakSNP20751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13666470	(C/T)
20752	CakSNP20752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13666480	(A/G)
20753	CakSNP20753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13673377	(T/C)
20754	CakSNP20754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13675125	(C/T)
20755	CakSNP20755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13675292	(G/A)
20756	CakSNP20756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13677592	(A/C)
20757	CakSNP20757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13687869	(G/C)
20758	CakSNP20758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13691846	(G/A)
20759	CakSNP20759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13691919	(T/A)
20760	CakSNP20760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13698536	(C/T)
20761	CakSNP20761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13698551	(G/C)
20762	CakSNP20762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13701338	(G/C)
20763	CakSNP20763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13701377	(C/T)
20764	CakSNP20764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13704680	(T/C)
20765	CakSNP20765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13706750	(T/C)
20766	CakSNP20766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13706908	(T/C)
20767	CakSNP20767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13706944	(C/T)
20768	CakSNP20768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13709609	(A/G)
20769	CakSNP20769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13710121	(G/T)
20770	CakSNP20770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13711298	(T/C)
20771	CakSNP20771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13711325	(C/G)
20772	CakSNP20772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13718021	(G/A)
20773	CakSNP20773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13721788	(T/C)
20774	CakSNP20774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13721815	(C/T)
20775	CakSNP20775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13732598	(C/T)
20776	CakSNP20776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13732658	(C/T)
20777	CakSNP20777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13736037	(G/A)
20778	CakSNP20778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13736092	(C/G)
20779	CakSNP20779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13739207	(A/G)
20780	CakSNP20780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13739213	(C/T)
20781	CakSNP20781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13740208	(A/G)
20782	CakSNP20782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13745703	(T/C)
20783	CakSNP20783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13745704	(T/C)
20784	CakSNP20784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13757579	(G/T)
20785	CakSNP20785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13762433	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20786	CakSNP20786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13762450	(C/T)
20787	CakSNP20787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13764490	(C/A)
20788	CakSNP20788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13770447	(C/T)
20789	CakSNP20789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13770484	(T/C)
20790	CakSNP20790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13788645	(T/G)
20791	CakSNP20791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13788697	(G/A)
20792	CakSNP20792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13788721	(T/C)
20793	CakSNP20793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13794543	(T/C)
20794	CakSNP20794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13799629	(G/C)
20795	CakSNP20795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13799704	(T/C)
20796	CakSNP20796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13817434	(G/A)
20797	CakSNP20797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13819277	(C/A)
20798	CakSNP20798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13819286	(G/C)
20799	CakSNP20799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13820035	(C/T)
20800	CakSNP20800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13826976	(G/T)
20801	CakSNP20801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13826995	(G/A)
20802	CakSNP20802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13831242	(A/T)
20803	CakSNP20803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13838447	(T/C)
20804	CakSNP20804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13841687	(C/T)
20805	CakSNP20805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13841700	(A/G)
20806	CakSNP20806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13841822	(T/G)
20807	CakSNP20807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13849092	(C/T)
20808	CakSNP20808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13851470	(A/G)
20809	CakSNP20809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13854412	(G/C)
20810	CakSNP20810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13868476	(A/C)
20811	CakSNP20811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13868494	(C/G)
20812	CakSNP20812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13868588	(G/A)
20813	CakSNP20813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13870026	(T/C)
20814	CakSNP20814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13870068	(A/C)
20815	CakSNP20815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13878412	(A/C)
20816	CakSNP20816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13879822	(G/T)
20817	CakSNP20817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13882414	(G/A)
20818	CakSNP20818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13882450	(T/C)
20819	CakSNP20819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13884785	(T/C)
20820	CakSNP20820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13885854	(T/C)
20821	CakSNP20821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13892083	(A/G)
20822	CakSNP20822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13892084	(C/A)
20823	CakSNP20823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13898027	(G/A)
20824	CakSNP20824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13901395	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20825	CakSNP20825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13902570	(A/C)
20826	CakSNP20826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13902571	(A/G)
20827	CakSNP20827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13911052	(T/A)
20828	CakSNP20828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13911082	(G/A)
20829	CakSNP20829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13912343	(T/C)
20830	CakSNP20830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13912361	(A/G)
20831	CakSNP20831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13915445	(G/A)
20832	CakSNP20832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13928830	(C/T)
20833	CakSNP20833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13935332	(G/A)
20834	CakSNP20834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13938219	(G/A)
20835	CakSNP20835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13938220	(G/A)
20836	CakSNP20836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13942437	(G/A)
20837	CakSNP20837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13942467	(G/A)
20838	CakSNP20838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13945517	(C/T)
20839	CakSNP20839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13948830	(T/C)
20840	CakSNP20840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13955773	(T/C)
20841	CakSNP20841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13955776	(G/C)
20842	CakSNP20842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13958314	(A/T)
20843	CakSNP20843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13960720	(C/T)
20844	CakSNP20844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13963694	(C/A)
20845	CakSNP20845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13963760	(A/G)
20846	CakSNP20846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13965291	(C/G)
20847	CakSNP20847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13965316	(C/T)
20848	CakSNP20848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13974263	(G/A)
20849	CakSNP20849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13977184	(G/A)
20850	CakSNP20850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13978845	(A/G)
20851	CakSNP20851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13978865	(A/G)
20852	CakSNP20852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13978866	(C/G)
20853	CakSNP20853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13980992	(G/A)
20854	CakSNP20854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13981007	(T/C)
20855	CakSNP20855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13988791	(G/C)
20856	CakSNP20856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13988810	(C/G)
20857	CakSNP20857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13989848	(A/G)
20858	CakSNP20858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13989891	(G/A)
20859	CakSNP20859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13991399	(T/C)
20860	CakSNP20860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13991444	(A/G)
20861	CakSNP20861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13991699	(A/G)
20862	CakSNP20862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13993112	(G/A)
20863	CakSNP20863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13994280	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20864	CakSNP20864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13994560	(C/G)
20865	CakSNP20865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13994609	(A/G)
20866	CakSNP20866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	13997710	(C/A)
20867	CakSNP20867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14013165	(T/C)
20868	CakSNP20868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14024171	(A/G)
20869	CakSNP20869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14024173	(T/C)
20870	CakSNP20870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14031255	(G/C)
20871	CakSNP20871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14031282	(A/G)
20872	CakSNP20872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14038882	(A/G)
20873	CakSNP20873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14047682	(A/G)
20874	CakSNP20874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14047694	(G/A)
20875	CakSNP20875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14051292	(C/A)
20876	CakSNP20876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14054007	(C/T)
20877	CakSNP20877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14054913	(C/T)
20878	CakSNP20878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14063953	(G/C)
20879	CakSNP20879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14069422	(A/G)
20880	CakSNP20880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14069482	(C/T)
20881	CakSNP20881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14070071	(A/G)
20882	CakSNP20882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14070080	(T/C)
20883	CakSNP20883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14090644	(C/G)
20884	CakSNP20884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14094627	(C/T)
20885	CakSNP20885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14094666	(A/G)
20886	CakSNP20886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14095149	(T/G)
20887	CakSNP20887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14097307	(T/G)
20888	CakSNP20888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14097992	(G/A)
20889	CakSNP20889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14099100	(A/G)
20890	CakSNP20890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14101707	(G/C)
20891	CakSNP20891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14102440	(C/T)
20892	CakSNP20892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14102489	(G/T)
20893	CakSNP20893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14104688	(T/A)
20894	CakSNP20894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14109844	(G/A)
20895	CakSNP20895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14109866	(A/C)
20896	CakSNP20896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14109868	(A/C)
20897	CakSNP20897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14112239	(C/T)
20898	CakSNP20898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14112675	(G/T)
20899	CakSNP20899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14112693	(C/T)
20900	CakSNP20900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14115751	(C/T)
20901	CakSNP20901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14121780	(G/T)
20902	CakSNP20902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14121828	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20903	CakSNP20903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14123266	(C/T)
20904	CakSNP20904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14132147	(C/G)
20905	CakSNP20905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14134459	(C/T)
20906	CakSNP20906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14136009	(A/G)
20907	CakSNP20907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14136078	(A/G)
20908	CakSNP20908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14141764	(T/C)
20909	CakSNP20909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14146205	(T/C)
20910	CakSNP20910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14146512	(A/T)
20911	CakSNP20911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14146533	(C/T)
20912	CakSNP20912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14151634	(A/G)
20913	CakSNP20913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14162150	(G/C)
20914	CakSNP20914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14162186	(G/A)
20915	CakSNP20915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14162459	(C/T)
20916	CakSNP20916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14165612	(A/G)
20917	CakSNP20917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14170796	(C/T)
20918	CakSNP20918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14170853	(G/A)
20919	CakSNP20919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14173237	(C/T)
20920	CakSNP20920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14175735	(C/G)
20921	CakSNP20921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14178519	(A/C)
20922	CakSNP20922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14178529	(C/T)
20923	CakSNP20923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14180447	(A/G)
20924	CakSNP20924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14186276	(T/C)
20925	CakSNP20925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14188666	(T/C)
20926	CakSNP20926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14204954	(T/C)
20927	CakSNP20927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14204970	(A/G)
20928	CakSNP20928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14210876	(A/G)
20929	CakSNP20929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14210938	(C/T)
20930	CakSNP20930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14219449	(A/G)
20931	CakSNP20931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14219489	(G/A)
20932	CakSNP20932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14219623	(T/C)
20933	CakSNP20933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14221319	(G/A)
20934	CakSNP20934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14221501	(T/C)
20935	CakSNP20935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14229007	(C/A)
20936	CakSNP20936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14231935	(T/C)
20937	CakSNP20937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14231950	(G/T)
20938	CakSNP20938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14235265	(T/G)
20939	CakSNP20939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14237166	(G/A)
20940	CakSNP20940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14237557	(A/C)
20941	CakSNP20941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14241384	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20942	CakSNP20942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14244846	(A/G)
20943	CakSNP20943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14246524	(T/G)
20944	CakSNP20944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14251791	(G/C)
20945	CakSNP20945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14251806	(A/G)
20946	CakSNP20946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14255378	(G/A)
20947	CakSNP20947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14257965	(C/A)
20948	CakSNP20948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14264833	(G/C)
20949	CakSNP20949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14264890	(T/C)
20950	CakSNP20950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14265359	(A/G)
20951	CakSNP20951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14275421	(G/T)
20952	CakSNP20952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14276179	(C/T)
20953	CakSNP20953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14276201	(G/A)
20954	CakSNP20954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14282422	(T/G)
20955	CakSNP20955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14282784	(G/A)
20956	CakSNP20956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14282796	(G/A)
20957	CakSNP20957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14286253	(T/C)
20958	CakSNP20958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14286269	(T/C)
20959	CakSNP20959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14289279	(C/G)
20960	CakSNP20960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14289309	(A/G)
20961	CakSNP20961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14292246	(C/G)
20962	CakSNP20962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14296223	(C/T)
20963	CakSNP20963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14297461	(G/C)
20964	CakSNP20964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14297530	(G/C)
20965	CakSNP20965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14303045	(C/T)
20966	CakSNP20966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14307152	(A/G)
20967	CakSNP20967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14308158	(C/G)
20968	CakSNP20968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14308820	(C/T)
20969	CakSNP20969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14310581	(A/C)
20970	CakSNP20970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14310632	(T/C)
20971	CakSNP20971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14311760	(A/G)
20972	CakSNP20972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14313417	(C/G)
20973	CakSNP20973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14320707	(G/A)
20974	CakSNP20974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14320709	(T/A)
20975	CakSNP20975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14328623	(A/C)
20976	CakSNP20976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14328917	(G/T)
20977	CakSNP20977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14333931	(A/G)
20978	CakSNP20978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14337745	(A/G)
20979	CakSNP20979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14337746	(T/C)
20980	CakSNP20980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14341574	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
20981	CakSNP20981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14341617	(A/C)
20982	CakSNP20982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14346701	(A/G)
20983	CakSNP20983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14346747	(G/T)
20984	CakSNP20984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14347271	(T/C)
20985	CakSNP20985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14348435	(A/T)
20986	CakSNP20986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14352328	(T/C)
20987	CakSNP20987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14352669	(A/G)
20988	CakSNP20988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14353348	(G/T)
20989	CakSNP20989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14353366	(G/A)
20990	CakSNP20990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14364703	(C/G)
20991	CakSNP20991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14369102	(C/G)
20992	CakSNP20992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14369921	(T/C)
20993	CakSNP20993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14380810	(C/G)
20994	CakSNP20994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14380823	(T/C)
20995	CakSNP20995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14383046	(C/T)
20996	CakSNP20996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14388649	(G/A)
20997	CakSNP20997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14388663	(T/A)
20998	CakSNP20998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14394158	(C/T)
20999	CakSNP20999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14397942	(G/A)
21000	CakSNP21000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14401170	(T/C)
21001	CakSNP21001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14402239	(T/G)
21002	CakSNP21002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14403229	(T/G)
21003	CakSNP21003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14405364	(C/T)
21004	CakSNP21004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14405406	(T/C)
21005	CakSNP21005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14406925	(C/G)
21006	CakSNP21006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14406958	(A/G)
21007	CakSNP21007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14406974	(G/C)
21008	CakSNP21008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14407215	(C/A)
21009	CakSNP21009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14407218	(T/C)
21010	CakSNP21010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14414831	(A/C)
21011	CakSNP21011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14416795	(G/A)
21012	CakSNP21012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14429719	(T/C)
21013	CakSNP21013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14433591	(C/T)
21014	CakSNP21014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14437122	(T/G)
21015	CakSNP21015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14437433	(T/C)
21016	CakSNP21016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14442419	(T/C)
21017	CakSNP21017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14442430	(C/T)
21018	CakSNP21018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14443760	(T/G)
21019	CakSNP21019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14443778	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21020	CakSNP21020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14444490	(T/C)
21021	CakSNP21021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14444536	(C/G)
21022	CakSNP21022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14445505	(A/C)
21023	CakSNP21023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14448509	(T/G)
21024	CakSNP21024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14449521	(A/T)
21025	CakSNP21025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14449530	(G/A)
21026	CakSNP21026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14452270	(T/C)
21027	CakSNP21027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14457529	(C/T)
21028	CakSNP21028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14467081	(T/G)
21029	CakSNP21029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14469056	(T/C)
21030	CakSNP21030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14469127	(C/G)
21031	CakSNP21031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14469420	(A/G)
21032	CakSNP21032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14483569	(C/T)
21033	CakSNP21033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14495553	(A/G)
21034	CakSNP21034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14495559	(T/G)
21035	CakSNP21035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14513052	(T/C)
21036	CakSNP21036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14513906	(G/T)
21037	CakSNP21037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14514776	(T/A)
21038	CakSNP21038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14514787	(T/C)
21039	CakSNP21039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14515738	(G/C)
21040	CakSNP21040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14530041	(A/C)
21041	CakSNP21041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14537319	(T/C)
21042	CakSNP21042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14543760	(C/T)
21043	CakSNP21043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14546700	(A/G)
21044	CakSNP21044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14547594	(C/T)
21045	CakSNP21045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14550152	(G/A)
21046	CakSNP21046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14551303	(G/T)
21047	CakSNP21047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14561183	(A/G)
21048	CakSNP21048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14562250	(C/T)
21049	CakSNP21049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14566607	(A/G)
21050	CakSNP21050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14570440	(C/G)
21051	CakSNP21051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14570663	(G/T)
21052	CakSNP21052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14571952	(T/A)
21053	CakSNP21053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14572744	(T/C)
21054	CakSNP21054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14573976	(C/T)
21055	CakSNP21055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14578027	(A/C)
21056	CakSNP21056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14578231	(A/G)
21057	CakSNP21057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14578249	(C/T)
21058	CakSNP21058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14578273	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21059	CakSNP21059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14582337	(C/T)
21060	CakSNP21060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14587510	(T/C)
21061	CakSNP21061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14589670	(G/A)
21062	CakSNP21062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14589693	(G/C)
21063	CakSNP21063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14590243	(A/C)
21064	CakSNP21064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14596822	(T/G)
21065	CakSNP21065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14596886	(T/C)
21066	CakSNP21066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14597698	(T/C)
21067	CakSNP21067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14599704	(A/G)
21068	CakSNP21068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14609759	(C/G)
21069	CakSNP21069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14609792	(T/C)
21070	CakSNP21070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14614842	(G/T)
21071	CakSNP21071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14615031	(T/G)
21072	CakSNP21072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14617523	(T/C)
21073	CakSNP21073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14619462	(T/G)
21074	CakSNP21074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14619490	(T/C)
21075	CakSNP21075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14620013	(C/T)
21076	CakSNP21076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14631563	(T/G)
21077	CakSNP21077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14636201	(G/A)
21078	CakSNP21078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14636204	(A/G)
21079	CakSNP21079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14636266	(G/A)
21080	CakSNP21080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14636270	(A/C)
21081	CakSNP21081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14641177	(A/C)
21082	CakSNP21082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14648080	(C/G)
21083	CakSNP21083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14648723	(T/C)
21084	CakSNP21084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14648727	(C/T)
21085	CakSNP21085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14652198	(G/T)
21086	CakSNP21086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14660915	(A/G)
21087	CakSNP21087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14668713	(A/C)
21088	CakSNP21088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14670691	(C/T)
21089	CakSNP21089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14670709	(C/T)
21090	CakSNP21090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14673778	(T/C)
21091	CakSNP21091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14682478	(C/G)
21092	CakSNP21092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14682505	(T/C)
21093	CakSNP21093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14685915	(G/A)
21094	CakSNP21094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14689649	(G/C)
21095	CakSNP21095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14696938	(A/G)
21096	CakSNP21096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14698942	(T/C)
21097	CakSNP21097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14703530	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21098	CakSNP21098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14703575	(A/G)
21099	CakSNP21099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14704072	(T/C)
21100	CakSNP21100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14704120	(T/C)
21101	CakSNP21101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14704731	(C/T)
21102	CakSNP21102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14704732	(T/C)
21103	CakSNP21103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14715112	(A/G)
21104	CakSNP21104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14715215	(G/A)
21105	CakSNP21105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14715220	(C/G)
21106	CakSNP21106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14726401	(A/G)
21107	CakSNP21107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14728979	(G/T)
21108	CakSNP21108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14729758	(C/G)
21109	CakSNP21109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14729891	(A/T)
21110	CakSNP21110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14735636	(T/G)
21111	CakSNP21111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14736247	(A/G)
21112	CakSNP21112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14736289	(C/T)
21113	CakSNP21113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14741708	(A/C)
21114	CakSNP21114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14743692	(C/G)
21115	CakSNP21115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14743756	(T/A)
21116	CakSNP21116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14745532	(A/C)
21117	CakSNP21117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14746118	(A/G)
21118	CakSNP21118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14746154	(A/G)
21119	CakSNP21119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14748412	(G/A)
21120	CakSNP21120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14748417	(G/C)
21121	CakSNP21121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14749636	(G/A)
21122	CakSNP21122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14749704	(T/G)
21123	CakSNP21123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14749705	(G/T)
21124	CakSNP21124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14752787	(T/C)
21125	CakSNP21125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14755314	(C/T)
21126	CakSNP21126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14757725	(C/G)
21127	CakSNP21127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14759576	(C/T)
21128	CakSNP21128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14782372	(C/T)
21129	CakSNP21129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14782399	(C/T)
21130	CakSNP21130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14787071	(G/T)
21131	CakSNP21131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14788336	(T/C)
21132	CakSNP21132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14792248	(G/C)
21133	CakSNP21133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14792775	(G/A)
21134	CakSNP21134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14801212	(C/G)
21135	CakSNP21135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14801218	(C/T)
21136	CakSNP21136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14805457	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21137	CakSNP21137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14805477	(G/C)
21138	CakSNP21138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14805855	(T/C)
21139	CakSNP21139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14805865	(A/G)
21140	CakSNP21140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14811884	(G/C)
21141	CakSNP21141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14825428	(C/G)
21142	CakSNP21142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14825440	(G/C)
21143	CakSNP21143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14833055	(C/A)
21144	CakSNP21144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14833103	(A/G)
21145	CakSNP21145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14834045	(G/C)
21146	CakSNP21146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14838314	(G/C)
21147	CakSNP21147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14841355	(G/A)
21148	CakSNP21148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14841976	(C/T)
21149	CakSNP21149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14845633	(A/C)
21150	CakSNP21150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14861241	(T/C)
21151	CakSNP21151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14861255	(T/C)
21152	CakSNP21152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14864054	(G/T)
21153	CakSNP21153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14864425	(C/T)
21154	CakSNP21154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14872625	(C/T)
21155	CakSNP21155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14872631	(C/T)
21156	CakSNP21156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14877101	(G/A)
21157	CakSNP21157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14877962	(G/A)
21158	CakSNP21158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14878041	(C/G)
21159	CakSNP21159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14881946	(C/T)
21160	CakSNP21160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14883255	(A/C)
21161	CakSNP21161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14883746	(C/T)
21162	CakSNP21162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14883748	(G/A)
21163	CakSNP21163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14886823	(T/C)
21164	CakSNP21164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14888070	(A/G)
21165	CakSNP21165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14891224	(G/A)
21166	CakSNP21166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14893670	(A/C)
21167	CakSNP21167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14893855	(T/G)
21168	CakSNP21168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14895580	(A/C)
21169	CakSNP21169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14898622	(C/T)
21170	CakSNP21170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14898764	(C/A)
21171	CakSNP21171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14899131	(T/G)
21172	CakSNP21172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14899150	(T/C)
21173	CakSNP21173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14899484	(T/C)
21174	CakSNP21174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14905145	(C/G)
21175	CakSNP21175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14906147	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21176	CakSNP21176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14907584	(C/T)
21177	CakSNP21177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14909654	(T/G)
21178	CakSNP21178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14909803	(T/G)
21179	CakSNP21179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14912143	(A/G)
21180	CakSNP21180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14912144	(A/G)
21181	CakSNP21181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14913605	(C/T)
21182	CakSNP21182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14914323	(G/A)
21183	CakSNP21183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14916673	(T/C)
21184	CakSNP21184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14916715	(A/G)
21185	CakSNP21185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14918881	(G/C)
21186	CakSNP21186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14926796	(A/G)
21187	CakSNP21187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14927585	(T/C)
21188	CakSNP21188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14929577	(A/C)
21189	CakSNP21189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14935159	(C/A)
21190	CakSNP21190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14942882	(A/G)
21191	CakSNP21191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14942888	(A/C)
21192	CakSNP21192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14943646	(G/A)
21193	CakSNP21193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14950163	(T/G)
21194	CakSNP21194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14962978	(T/C)
21195	CakSNP21195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14968986	(C/A)
21196	CakSNP21196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14971785	(C/T)
21197	CakSNP21197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14974801	(G/A)
21198	CakSNP21198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14974806	(G/A)
21199	CakSNP21199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14977193	(T/C)
21200	CakSNP21200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14978299	(A/C)
21201	CakSNP21201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14981709	(C/T)
21202	CakSNP21202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14981741	(A/G)
21203	CakSNP21203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14982459	(G/A)
21204	CakSNP21204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14982465	(A/C)
21205	CakSNP21205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14985193	(G/A)
21206	CakSNP21206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14985249	(G/A)
21207	CakSNP21207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14991461	(T/C)
21208	CakSNP21208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14993274	(T/G)
21209	CakSNP21209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	14998061	(T/C)
21210	CakSNP21210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15002955	(T/C)
21211	CakSNP21211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15006029	(T/A)
21212	CakSNP21212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15007070	(G/T)
21213	CakSNP21213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15011020	(G/A)
21214	CakSNP21214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15012544	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21215	CakSNP21215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15012589	(C/T)
21216	CakSNP21216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15019523	(T/C)
21217	CakSNP21217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15019572	(G/T)
21218	CakSNP21218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15029564	(G/A)
21219	CakSNP21219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15029594	(G/A)
21220	CakSNP21220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15029893	(T/G)
21221	CakSNP21221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15029901	(T/C)
21222	CakSNP21222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15033418	(G/A)
21223	CakSNP21223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15048640	(G/C)
21224	CakSNP21224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15053938	(G/C)
21225	CakSNP21225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15053965	(T/C)
21226	CakSNP21226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15055093	(G/C)
21227	CakSNP21227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15055828	(C/A)
21228	CakSNP21228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15056085	(T/C)
21229	CakSNP21229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15056124	(C/T)
21230	CakSNP21230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15057672	(A/G)
21231	CakSNP21231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15058226	(C/A)
21232	CakSNP21232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15061165	(A/C)
21233	CakSNP21233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15063461	(C/T)
21234	CakSNP21234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15064384	(C/T)
21235	CakSNP21235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15068536	(G/C)
21236	CakSNP21236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15072879	(C/T)
21237	CakSNP21237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15072882	(A/C)
21238	CakSNP21238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15076991	(G/C)
21239	CakSNP21239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15077061	(T/C)
21240	CakSNP21240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15078562	(T/C)
21241	CakSNP21241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15078586	(G/C)
21242	CakSNP21242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15078864	(A/G)
21243	CakSNP21243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15079985	(C/A)
21244	CakSNP21244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15079994	(A/G)
21245	CakSNP21245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15080664	(G/A)
21246	CakSNP21246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15081288	(C/T)
21247	CakSNP21247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15081298	(G/A)
21248	CakSNP21248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15084526	(C/T)
21249	CakSNP21249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15084576	(C/T)
21250	CakSNP21250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15097373	(A/C)
21251	CakSNP21251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15101968	(T/C)
21252	CakSNP21252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15109364	(G/A)
21253	CakSNP21253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15111061	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21254	CakSNP21254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15121640	(T/C)
21255	CakSNP21255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15122674	(A/C)
21256	CakSNP21256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15125029	(A/C)
21257	CakSNP21257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15125256	(A/G)
21258	CakSNP21258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15128950	(C/G)
21259	CakSNP21259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15136143	(G/A)
21260	CakSNP21260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15146085	(T/C)
21261	CakSNP21261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15146116	(C/G)
21262	CakSNP21262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15147215	(G/C)
21263	CakSNP21263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15148861	(A/C)
21264	CakSNP21264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15148863	(A/C)
21265	CakSNP21265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15149093	(G/T)
21266	CakSNP21266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15149102	(C/T)
21267	CakSNP21267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15162466	(C/G)
21268	CakSNP21268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15162535	(C/G)
21269	CakSNP21269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15172412	(A/G)
21270	CakSNP21270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15173713	(G/T)
21271	CakSNP21271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15173771	(T/G)
21272	CakSNP21272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15175666	(T/C)
21273	CakSNP21273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15178364	(A/C)
21274	CakSNP21274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15178367	(C/T)
21275	CakSNP21275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15181189	(C/G)
21276	CakSNP21276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15193542	(A/G)
21277	CakSNP21277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15193595	(T/G)
21278	CakSNP21278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15194474	(A/C)
21279	CakSNP21279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15194482	(A/G)
21280	CakSNP21280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15198160	(T/C)
21281	CakSNP21281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15198174	(G/A)
21282	CakSNP21282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15198245	(A/G)
21283	CakSNP21283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15199468	(T/C)
21284	CakSNP21284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15199489	(T/C)
21285	CakSNP21285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15199495	(G/A)
21286	CakSNP21286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15206923	(G/A)
21287	CakSNP21287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15206935	(A/G)
21288	CakSNP21288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15209330	(A/G)
21289	CakSNP21289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15210193	(G/A)
21290	CakSNP21290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15210344	(C/T)
21291	CakSNP21291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15211610	(A/G)
21292	CakSNP21292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15212128	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21293	CakSNP21293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15212149	(T/C)
21294	CakSNP21294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15212161	(G/C)
21295	CakSNP21295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15213006	(A/T)
21296	CakSNP21296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15226225	(G/A)
21297	CakSNP21297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15228338	(A/C)
21298	CakSNP21298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15233099	(A/G)
21299	CakSNP21299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15237165	(T/C)
21300	CakSNP21300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15238403	(C/G)
21301	CakSNP21301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15244019	(C/T)
21302	CakSNP21302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15245249	(G/C)
21303	CakSNP21303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15250791	(A/C)
21304	CakSNP21304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15261871	(A/G)
21305	CakSNP21305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15262432	(T/C)
21306	CakSNP21306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15262463	(T/C)
21307	CakSNP21307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15267483	(C/T)
21308	CakSNP21308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15267510	(T/C)
21309	CakSNP21309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15270517	(A/G)
21310	CakSNP21310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15270541	(G/C)
21311	CakSNP21311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15271966	(G/T)
21312	CakSNP21312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15277962	(C/A)
21313	CakSNP21313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15278013	(A/C)
21314	CakSNP21314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15278377	(C/G)
21315	CakSNP21315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15278389	(T/C)
21316	CakSNP21316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15281124	(A/C)
21317	CakSNP21317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15281657	(C/A)
21318	CakSNP21318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15281660	(C/G)
21319	CakSNP21319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15285712	(T/A)
21320	CakSNP21320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15286336	(C/T)
21321	CakSNP21321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15289465	(C/T)
21322	CakSNP21322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15289612	(A/G)
21323	CakSNP21323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15298450	(G/T)
21324	CakSNP21324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15298471	(T/A)
21325	CakSNP21325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15301323	(C/T)
21326	CakSNP21326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15301328	(C/T)
21327	CakSNP21327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15307943	(G/C)
21328	CakSNP21328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15308754	(C/G)
21329	CakSNP21329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15310682	(A/C)
21330	CakSNP21330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15310711	(T/C)
21331	CakSNP21331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15310717	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21332	CakSNP21332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15311372	(A/T)
21333	CakSNP21333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15321205	(G/A)
21334	CakSNP21334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15325303	(C/G)
21335	CakSNP21335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15325309	(A/C)
21336	CakSNP21336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15328163	(G/C)
21337	CakSNP21337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15339934	(C/T)
21338	CakSNP21338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15341482	(A/G)
21339	CakSNP21339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15342107	(G/A)
21340	CakSNP21340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15343248	(C/G)
21341	CakSNP21341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15343266	(A/G)
21342	CakSNP21342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15345196	(T/C)
21343	CakSNP21343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15345239	(T/A)
21344	CakSNP21344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15349210	(C/T)
21345	CakSNP21345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15349219	(C/T)
21346	CakSNP21346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15350042	(C/T)
21347	CakSNP21347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15350057	(C/G)
21348	CakSNP21348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15352453	(G/A)
21349	CakSNP21349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15352531	(A/G)
21350	CakSNP21350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15357660	(G/C)
21351	CakSNP21351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15357668	(C/T)
21352	CakSNP21352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15358078	(C/T)
21353	CakSNP21353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15358348	(C/T)
21354	CakSNP21354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15361024	(C/T)
21355	CakSNP21355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15361027	(A/G)
21356	CakSNP21356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15361033	(A/C)
21357	CakSNP21357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15363103	(C/T)
21358	CakSNP21358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15363133	(A/G)
21359	CakSNP21359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15366397	(G/A)
21360	CakSNP21360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15368258	(T/C)
21361	CakSNP21361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15368306	(A/G)
21362	CakSNP21362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15379238	(T/C)
21363	CakSNP21363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15379241	(G/A)
21364	CakSNP21364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15383419	(T/C)
21365	CakSNP21365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15386024	(G/A)
21366	CakSNP21366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15386083	(C/A)
21367	CakSNP21367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15387519	(C/T)
21368	CakSNP21368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15390193	(T/G)
21369	CakSNP21369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15390614	(G/C)
21370	CakSNP21370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15390631	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21371	CakSNP21371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15390776	(C/G)
21372	CakSNP21372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15390791	(G/A)
21373	CakSNP21373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15391286	(G/A)
21374	CakSNP21374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15391314	(A/C)
21375	CakSNP21375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15397292	(G/C)
21376	CakSNP21376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15397334	(C/G)
21377	CakSNP21377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15400127	(G/A)
21378	CakSNP21378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15400133	(A/C)
21379	CakSNP21379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15401000	(A/G)
21380	CakSNP21380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15401033	(G/T)
21381	CakSNP21381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15406282	(A/C)
21382	CakSNP21382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15406287	(G/C)
21383	CakSNP21383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15406288	(G/T)
21384	CakSNP21384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15407414	(T/G)
21385	CakSNP21385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15407444	(A/G)
21386	CakSNP21386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15414998	(A/G)
21387	CakSNP21387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15417467	(A/G)
21388	CakSNP21388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15424718	(C/G)
21389	CakSNP21389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15425714	(A/G)
21390	CakSNP21390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15426125	(A/G)
21391	CakSNP21391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15428336	(G/C)
21392	CakSNP21392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15430885	(T/G)
21393	CakSNP21393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15431873	(G/C)
21394	CakSNP21394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15431888	(C/T)
21395	CakSNP21395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15431906	(C/G)
21396	CakSNP21396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15431918	(C/T)
21397	CakSNP21397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15440132	(A/C)
21398	CakSNP21398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15441290	(A/C)
21399	CakSNP21399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15441305	(A/G)
21400	CakSNP21400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15455235	(G/T)
21401	CakSNP21401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15455296	(C/G)
21402	CakSNP21402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15456996	(G/A)
21403	CakSNP21403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15458395	(C/T)
21404	CakSNP21404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15458942	(G/A)
21405	CakSNP21405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15460422	(A/G)
21406	CakSNP21406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15460460	(G/A)
21407	CakSNP21407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15464054	(C/T)
21408	CakSNP21408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15464063	(A/G)
21409	CakSNP21409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15464257	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21410	CakSNP21410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15464599	(A/G)
21411	CakSNP21411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15468646	(C/T)
21412	CakSNP21412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15469155	(C/T)
21413	CakSNP21413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15474029	(A/G)
21414	CakSNP21414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15474040	(T/G)
21415	CakSNP21415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15474052	(C/A)
21416	CakSNP21416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15474082	(G/T)
21417	CakSNP21417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15475209	(C/G)
21418	CakSNP21418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15475225	(T/C)
21419	CakSNP21419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15478410	(T/G)
21420	CakSNP21420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15480813	(C/T)
21421	CakSNP21421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15480822	(C/T)
21422	CakSNP21422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15491990	(T/C)
21423	CakSNP21423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15491996	(G/A)
21424	CakSNP21424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15499304	(G/T)
21425	CakSNP21425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15499316	(T/C)
21426	CakSNP21426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15499338	(T/G)
21427	CakSNP21427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15506868	(C/T)
21428	CakSNP21428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15507953	(G/T)
21429	CakSNP21429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15507965	(A/G)
21430	CakSNP21430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15521689	(T/C)
21431	CakSNP21431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15522761	(G/A)
21432	CakSNP21432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15522773	(G/A)
21433	CakSNP21433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15524716	(G/T)
21434	CakSNP21434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15524717	(T/C)
21435	CakSNP21435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15524990	(T/C)
21436	CakSNP21436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15526190	(A/G)
21437	CakSNP21437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15530285	(T/G)
21438	CakSNP21438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15531595	(T/C)
21439	CakSNP21439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15552032	(A/G)
21440	CakSNP21440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15564979	(C/T)
21441	CakSNP21441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15566724	(T/A)
21442	CakSNP21442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15568183	(T/C)
21443	CakSNP21443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15568192	(G/T)
21444	CakSNP21444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15575379	(A/G)
21445	CakSNP21445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15575382	(G/C)
21446	CakSNP21446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15576520	(G/C)
21447	CakSNP21447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15582787	(T/C)
21448	CakSNP21448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15582800	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21449	CakSNP21449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15590817	(A/G)
21450	CakSNP21450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15591832	(T/C)
21451	CakSNP21451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15595473	(C/A)
21452	CakSNP21452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15597791	(G/A)
21453	CakSNP21453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15597799	(C/A)
21454	CakSNP21454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15603179	(A/G)
21455	CakSNP21455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15603193	(T/C)
21456	CakSNP21456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15606500	(G/A)
21457	CakSNP21457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15609823	(G/A)
21458	CakSNP21458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15611115	(G/C)
21459	CakSNP21459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15611121	(C/T)
21460	CakSNP21460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15620902	(C/T)
21461	CakSNP21461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15620920	(G/T)
21462	CakSNP21462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15620944	(C/G)
21463	CakSNP21463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15621127	(G/A)
21464	CakSNP21464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15628387	(T/C)
21465	CakSNP21465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15631264	(G/T)
21466	CakSNP21466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15631270	(A/G)
21467	CakSNP21467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15631562	(C/A)
21468	CakSNP21468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15633158	(C/A)
21469	CakSNP21469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15637429	(G/T)
21470	CakSNP21470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15638521	(C/G)
21471	CakSNP21471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15638548	(A/G)
21472	CakSNP21472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15640495	(C/T)
21473	CakSNP21473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643259	(G/A)
21474	CakSNP21474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643271	(T/C)
21475	CakSNP21475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643735	(C/T)
21476	CakSNP21476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643743	(A/G)
21477	CakSNP21477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643912	(T/C)
21478	CakSNP21478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15643960	(C/T)
21479	CakSNP21479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15644967	(A/C)
21480	CakSNP21480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15647635	(A/G)
21481	CakSNP21481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15650816	(G/A)
21482	CakSNP21482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15656144	(T/C)
21483	CakSNP21483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15662922	(A/G)
21484	CakSNP21484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15662923	(A/G)
21485	CakSNP21485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15668904	(C/G)
21486	CakSNP21486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15672757	(G/A)
21487	CakSNP21487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15672819	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21488	CakSNP21488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15676871	(A/G)
21489	CakSNP21489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15679048	(C/T)
21490	CakSNP21490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15682338	(A/G)
21491	CakSNP21491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15686389	(G/A)
21492	CakSNP21492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15689140	(T/G)
21493	CakSNP21493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15689179	(A/G)
21494	CakSNP21494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15693017	(A/G)
21495	CakSNP21495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15693033	(A/C)
21496	CakSNP21496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15696764	(T/G)
21497	CakSNP21497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15710031	(A/C)
21498	CakSNP21498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15724677	(T/C)
21499	CakSNP21499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15729201	(C/T)
21500	CakSNP21500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15730162	(T/C)
21501	CakSNP21501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15731996	(T/C)
21502	CakSNP21502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15732030	(C/T)
21503	CakSNP21503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15737951	(G/C)
21504	CakSNP21504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15738002	(A/G)
21505	CakSNP21505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15738908	(T/C)
21506	CakSNP21506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15738922	(T/C)
21507	CakSNP21507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15742863	(C/T)
21508	CakSNP21508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15746595	(T/G)
21509	CakSNP21509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15746721	(A/G)
21510	CakSNP21510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15748786	(T/C)
21511	CakSNP21511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15750852	(A/C)
21512	CakSNP21512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15750903	(T/A)
21513	CakSNP21513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15750933	(C/T)
21514	CakSNP21514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15756831	(C/A)
21515	CakSNP21515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15760646	(C/G)
21516	CakSNP21516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15760923	(A/C)
21517	CakSNP21517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15766715	(C/T)
21518	CakSNP21518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15766718	(G/T)
21519	CakSNP21519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15769597	(C/T)
21520	CakSNP21520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15775001	(G/A)
21521	CakSNP21521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15777288	(T/G)
21522	CakSNP21522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15779882	(G/C)
21523	CakSNP21523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15780781	(C/T)
21524	CakSNP21524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15781142	(G/A)
21525	CakSNP21525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15781160	(G/A)
21526	CakSNP21526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15791427	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21527	CakSNP21527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15791472	(C/G)
21528	CakSNP21528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15792255	(C/T)
21529	CakSNP21529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15806405	(G/A)
21530	CakSNP21530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15816444	(G/C)
21531	CakSNP21531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15816474	(A/C)
21532	CakSNP21532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15817830	(A/G)
21533	CakSNP21533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15820384	(T/C)
21534	CakSNP21534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15827646	(G/C)
21535	CakSNP21535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15835243	(A/T)
21536	CakSNP21536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15840418	(C/T)
21537	CakSNP21537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15843233	(T/A)
21538	CakSNP21538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15846580	(C/T)
21539	CakSNP21539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15846593	(T/C)
21540	CakSNP21540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15848981	(A/G)
21541	CakSNP21541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15848984	(G/C)
21542	CakSNP21542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15853479	(G/C)
21543	CakSNP21543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15855332	(G/T)
21544	CakSNP21544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15857901	(A/G)
21545	CakSNP21545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15858482	(A/G)
21546	CakSNP21546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15858484	(C/G)
21547	CakSNP21547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15866668	(A/G)
21548	CakSNP21548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15867686	(T/G)
21549	CakSNP21549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15873998	(C/T)
21550	CakSNP21550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15874929	(G/A)
21551	CakSNP21551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15874948	(A/G)
21552	CakSNP21552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15875007	(G/A)
21553	CakSNP21553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15876783	(A/G)
21554	CakSNP21554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15884976	(C/G)
21555	CakSNP21555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15887807	(G/A)
21556	CakSNP21556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15892953	(T/C)
21557	CakSNP21557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15893254	(T/C)
21558	CakSNP21558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15893260	(A/G)
21559	CakSNP21559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15893327	(A/C)
21560	CakSNP21560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15893329	(A/C)
21561	CakSNP21561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15897534	(A/G)
21562	CakSNP21562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15897602	(C/T)
21563	CakSNP21563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15903773	(G/T)
21564	CakSNP21564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15903815	(A/G)
21565	CakSNP21565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15905649	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21566	CakSNP21566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15907232	(T/C)
21567	CakSNP21567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15908094	(G/C)
21568	CakSNP21568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15911035	(T/C)
21569	CakSNP21569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15924073	(C/T)
21570	CakSNP21570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15929633	(T/A)
21571	CakSNP21571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15929674	(T/C)
21572	CakSNP21572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15930740	(G/A)
21573	CakSNP21573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15930808	(C/T)
21574	CakSNP21574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15931690	(C/G)
21575	CakSNP21575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15931714	(G/T)
21576	CakSNP21576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15932330	(A/G)
21577	CakSNP21577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15934836	(C/T)
21578	CakSNP21578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15937570	(A/G)
21579	CakSNP21579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15951873	(G/A)
21580	CakSNP21580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15952688	(A/G)
21581	CakSNP21581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15952703	(A/G)
21582	CakSNP21582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15970245	(G/A)
21583	CakSNP21583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15972570	(G/T)
21584	CakSNP21584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15972591	(C/G)
21585	CakSNP21585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15977624	(G/T)
21586	CakSNP21586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15980240	(A/T)
21587	CakSNP21587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15992568	(C/G)
21588	CakSNP21588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15996800	(A/C)
21589	CakSNP21589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15997796	(A/T)
21590	CakSNP21590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	15997817	(G/A)
21591	CakSNP21591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16007356	(G/C)
21592	CakSNP21592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16016229	(T/C)
21593	CakSNP21593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16018177	(C/T)
21594	CakSNP21594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16019462	(G/C)
21595	CakSNP21595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16032952	(G/C)
21596	CakSNP21596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16035104	(T/A)
21597	CakSNP21597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16035142	(T/C)
21598	CakSNP21598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16042128	(A/C)
21599	CakSNP21599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16045168	(G/T)
21600	CakSNP21600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16046908	(A/G)
21601	CakSNP21601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16051304	(C/T)
21602	CakSNP21602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16053222	(G/A)
21603	CakSNP21603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16059216	(G/C)
21604	CakSNP21604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16063343	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21605	CakSNP21605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16063447	(T/G)
21606	CakSNP21606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16063460	(A/C)
21607	CakSNP21607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16064860	(C/G)
21608	CakSNP21608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16072684	(A/G)
21609	CakSNP21609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16077406	(A/C)
21610	CakSNP21610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16083241	(T/G)
21611	CakSNP21611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16088745	(T/C)
21612	CakSNP21612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16088999	(A/C)
21613	CakSNP21613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16089001	(A/C)
21614	CakSNP21614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16091858	(T/G)
21615	CakSNP21615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16104177	(G/A)
21616	CakSNP21616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16107450	(C/T)
21617	CakSNP21617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16107506	(G/A)
21618	CakSNP21618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16114582	(A/G)
21619	CakSNP21619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16115155	(C/T)
21620	CakSNP21620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16115164	(C/A)
21621	CakSNP21621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16116836	(T/G)
21622	CakSNP21622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16116890	(T/G)
21623	CakSNP21623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16118811	(T/C)
21624	CakSNP21624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16118838	(G/A)
21625	CakSNP21625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16119632	(A/G)
21626	CakSNP21626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16134211	(G/A)
21627	CakSNP21627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16134249	(G/A)
21628	CakSNP21628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16134580	(G/A)
21629	CakSNP21629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16143666	(A/G)
21630	CakSNP21630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16144928	(A/G)
21631	CakSNP21631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16146300	(C/G)
21632	CakSNP21632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16152938	(G/A)
21633	CakSNP21633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16159144	(T/C)
21634	CakSNP21634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16165826	(C/G)
21635	CakSNP21635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16165837	(G/A)
21636	CakSNP21636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16167983	(C/T)
21637	CakSNP21637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16171075	(G/A)
21638	CakSNP21638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16173457	(T/G)
21639	CakSNP21639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16173469	(A/G)
21640	CakSNP21640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16180337	(A/T)
21641	CakSNP21641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16180369	(G/C)
21642	CakSNP21642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16180679	(T/C)
21643	CakSNP21643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16180694	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21644	CakSNP21644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16180697	(G/A)
21645	CakSNP21645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16192364	(T/G)
21646	CakSNP21646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16195262	(A/G)
21647	CakSNP21647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16195265	(C/A)
21648	CakSNP21648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16202129	(C/G)
21649	CakSNP21649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16202257	(G/T)
21650	CakSNP21650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16203514	(A/G)
21651	CakSNP21651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16212822	(A/G)
21652	CakSNP21652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16212833	(G/T)
21653	CakSNP21653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16223803	(C/T)
21654	CakSNP21654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16223835	(A/T)
21655	CakSNP21655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16226517	(T/G)
21656	CakSNP21656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16226520	(A/C)
21657	CakSNP21657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16228102	(T/G)
21658	CakSNP21658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16231770	(C/T)
21659	CakSNP21659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16232648	(C/A)
21660	CakSNP21660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16234566	(G/T)
21661	CakSNP21661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16234575	(G/A)
21662	CakSNP21662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16240526	(G/A)
21663	CakSNP21663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16244719	(A/T)
21664	CakSNP21664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16247333	(G/A)
21665	CakSNP21665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16247374	(C/T)
21666	CakSNP21666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16260126	(G/C)
21667	CakSNP21667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16260137	(A/G)
21668	CakSNP21668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16260601	(C/T)
21669	CakSNP21669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16260619	(G/A)
21670	CakSNP21670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16262566	(G/C)
21671	CakSNP21671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16263211	(C/T)
21672	CakSNP21672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16263606	(A/T)
21673	CakSNP21673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16263609	(T/C)
21674	CakSNP21674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16265172	(C/G)
21675	CakSNP21675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16266042	(T/G)
21676	CakSNP21676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16280261	(C/A)
21677	CakSNP21677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16280269	(C/T)
21678	CakSNP21678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16285150	(C/T)
21679	CakSNP21679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16285196	(C/T)
21680	CakSNP21680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16285228	(G/C)
21681	CakSNP21681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16287350	(G/C)
21682	CakSNP21682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16287361	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21683	CakSNP21683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16293927	(C/T)
21684	CakSNP21684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16304638	(C/G)
21685	CakSNP21685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16304644	(G/A)
21686	CakSNP21686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16309405	(C/T)
21687	CakSNP21687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16310098	(A/C)
21688	CakSNP21688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16311865	(A/G)
21689	CakSNP21689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16318334	(A/C)
21690	CakSNP21690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16321322	(G/A)
21691	CakSNP21691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16321357	(G/T)
21692	CakSNP21692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16323646	(C/T)
21693	CakSNP21693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16323653	(G/A)
21694	CakSNP21694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16324174	(T/C)
21695	CakSNP21695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16324198	(G/C)
21696	CakSNP21696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16326296	(A/G)
21697	CakSNP21697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16326326	(T/C)
21698	CakSNP21698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16327612	(G/T)
21699	CakSNP21699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16329733	(T/G)
21700	CakSNP21700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16329739	(T/C)
21701	CakSNP21701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16331645	(T/C)
21702	CakSNP21702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16332497	(A/G)
21703	CakSNP21703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16335146	(A/G)
21704	CakSNP21704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16337697	(A/C)
21705	CakSNP21705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16338451	(T/C)
21706	CakSNP21706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16338474	(T/G)
21707	CakSNP21707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16345856	(C/G)
21708	CakSNP21708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16360422	(C/T)
21709	CakSNP21709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16366147	(A/C)
21710	CakSNP21710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16366177	(T/C)
21711	CakSNP21711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16374055	(C/T)
21712	CakSNP21712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16374136	(C/A)
21713	CakSNP21713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16379800	(G/A)
21714	CakSNP21714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16380555	(A/G)
21715	CakSNP21715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16382611	(C/T)
21716	CakSNP21716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16386909	(T/G)
21717	CakSNP21717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16386939	(A/G)
21718	CakSNP21718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16395993	(A/C)
21719	CakSNP21719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16395994	(G/A)
21720	CakSNP21720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16396510	(A/G)
21721	CakSNP21721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16396541	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21722	CakSNP21722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16399727	(C/G)
21723	CakSNP21723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16400456	(A/C)
21724	CakSNP21724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16400458	(A/G)
21725	CakSNP21725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16403710	(T/G)
21726	CakSNP21726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16407355	(T/G)
21727	CakSNP21727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16407358	(G/C)
21728	CakSNP21728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16408072	(T/C)
21729	CakSNP21729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16419017	(G/T)
21730	CakSNP21730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16419044	(T/C)
21731	CakSNP21731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16422703	(G/C)
21732	CakSNP21732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16423796	(C/G)
21733	CakSNP21733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16431153	(A/G)
21734	CakSNP21734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16431161	(G/A)
21735	CakSNP21735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16432329	(A/G)
21736	CakSNP21736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433327	(G/A)
21737	CakSNP21737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433379	(A/G)
21738	CakSNP21738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433532	(T/C)
21739	CakSNP21739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433951	(A/G)
21740	CakSNP21740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433958	(T/C)
21741	CakSNP21741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16433964	(T/C)
21742	CakSNP21742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16438515	(G/C)
21743	CakSNP21743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16438572	(G/T)
21744	CakSNP21744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16439398	(G/C)
21745	CakSNP21745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16439416	(T/C)
21746	CakSNP21746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16442634	(G/A)
21747	CakSNP21747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16442868	(A/T)
21748	CakSNP21748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16443463	(G/A)
21749	CakSNP21749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16443487	(C/T)
21750	CakSNP21750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16446001	(T/C)
21751	CakSNP21751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16446028	(A/T)
21752	CakSNP21752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16446612	(C/G)
21753	CakSNP21753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16446660	(C/T)
21754	CakSNP21754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16448652	(C/T)
21755	CakSNP21755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16448673	(C/T)
21756	CakSNP21756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16450928	(C/T)
21757	CakSNP21757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16450936	(G/C)
21758	CakSNP21758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16454737	(A/G)
21759	CakSNP21759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16454742	(C/T)
21760	CakSNP21760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16463528	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21761	CakSNP21761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16463533	(A/C)
21762	CakSNP21762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16466561	(G/C)
21763	CakSNP21763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16478129	(C/T)
21764	CakSNP21764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16480207	(G/A)
21765	CakSNP21765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16481213	(T/C)
21766	CakSNP21766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16481216	(C/G)
21767	CakSNP21767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16488089	(C/G)
21768	CakSNP21768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16491339	(G/A)
21769	CakSNP21769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16493110	(C/G)
21770	CakSNP21770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16493176	(T/C)
21771	CakSNP21771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16493859	(C/T)
21772	CakSNP21772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16493864	(G/A)
21773	CakSNP21773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16495795	(T/G)
21774	CakSNP21774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16495801	(A/G)
21775	CakSNP21775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16499520	(A/G)
21776	CakSNP21776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16499555	(C/A)
21777	CakSNP21777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16500677	(A/G)
21778	CakSNP21778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16500683	(A/G)
21779	CakSNP21779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16501449	(T/G)
21780	CakSNP21780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16503695	(G/C)
21781	CakSNP21781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506410	(C/G)
21782	CakSNP21782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506452	(C/T)
21783	CakSNP21783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506584	(C/G)
21784	CakSNP21784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506595	(A/C)
21785	CakSNP21785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506801	(C/T)
21786	CakSNP21786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16506848	(T/G)
21787	CakSNP21787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16507564	(T/G)
21788	CakSNP21788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16507589	(T/G)
21789	CakSNP21789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16511992	(G/A)
21790	CakSNP21790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16516079	(T/C)
21791	CakSNP21791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16518646	(A/G)
21792	CakSNP21792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16521054	(G/C)
21793	CakSNP21793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16523681	(A/G)
21794	CakSNP21794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16527540	(A/G)
21795	CakSNP21795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16527703	(T/C)
21796	CakSNP21796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16527716	(G/A)
21797	CakSNP21797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16531688	(G/C)
21798	CakSNP21798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16531733	(G/C)
21799	CakSNP21799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16535101	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21800	CakSNP21800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16537066	(C/A)
21801	CakSNP21801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16538701	(C/T)
21802	CakSNP21802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16538725	(G/T)
21803	CakSNP21803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16540897	(G/T)
21804	CakSNP21804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16540932	(T/C)
21805	CakSNP21805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16541788	(T/C)
21806	CakSNP21806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16541815	(C/G)
21807	CakSNP21807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16541818	(C/T)
21808	CakSNP21808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16542667	(T/C)
21809	CakSNP21809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16543444	(T/C)
21810	CakSNP21810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16548536	(G/A)
21811	CakSNP21811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16548706	(T/G)
21812	CakSNP21812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16548709	(C/T)
21813	CakSNP21813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16550594	(A/G)
21814	CakSNP21814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16550597	(G/C)
21815	CakSNP21815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16550753	(T/G)
21816	CakSNP21816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16551596	(T/C)
21817	CakSNP21817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16551608	(C/T)
21818	CakSNP21818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16551984	(C/G)
21819	CakSNP21819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16552001	(C/G)
21820	CakSNP21820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16555320	(A/G)
21821	CakSNP21821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16555331	(A/G)
21822	CakSNP21822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16555347	(C/T)
21823	CakSNP21823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16563232	(C/G)
21824	CakSNP21824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16568993	(G/T)
21825	CakSNP21825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16568994	(T/C)
21826	CakSNP21826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16573820	(G/C)
21827	CakSNP21827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16573891	(C/T)
21828	CakSNP21828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16573900	(C/G)
21829	CakSNP21829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16573903	(C/T)
21830	CakSNP21830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16575551	(A/G)
21831	CakSNP21831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16577951	(G/A)
21832	CakSNP21832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16577959	(G/T)
21833	CakSNP21833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16578568	(C/T)
21834	CakSNP21834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16585761	(C/T)
21835	CakSNP21835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16589452	(G/A)
21836	CakSNP21836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16590210	(G/C)
21837	CakSNP21837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16590229	(C/G)
21838	CakSNP21838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16611748	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21839	CakSNP21839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16613548	(A/G)
21840	CakSNP21840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16616090	(G/A)
21841	CakSNP21841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16616105	(A/G)
21842	CakSNP21842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16616806	(C/A)
21843	CakSNP21843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16619801	(C/A)
21844	CakSNP21844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16623076	(A/G)
21845	CakSNP21845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16626028	(C/A)
21846	CakSNP21846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16626043	(A/G)
21847	CakSNP21847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16629782	(C/T)
21848	CakSNP21848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16643323	(A/G)
21849	CakSNP21849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16648155	(A/G)
21850	CakSNP21850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16653157	(T/C)
21851	CakSNP21851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16665169	(T/C)
21852	CakSNP21852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16669271	(T/G)
21853	CakSNP21853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16669353	(G/C)
21854	CakSNP21854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16669354	(G/C)
21855	CakSNP21855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16672658	(C/G)
21856	CakSNP21856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16673523	(C/T)
21857	CakSNP21857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16673532	(T/A)
21858	CakSNP21858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16673632	(C/A)
21859	CakSNP21859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16678096	(A/G)
21860	CakSNP21860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16678143	(G/T)
21861	CakSNP21861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16691722	(T/A)
21862	CakSNP21862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16700868	(G/C)
21863	CakSNP21863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16706187	(G/C)
21864	CakSNP21864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16706241	(G/A)
21865	CakSNP21865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16707329	(G/A)
21866	CakSNP21866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16707356	(A/C)
21867	CakSNP21867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16708337	(A/G)
21868	CakSNP21868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16715210	(A/G)
21869	CakSNP21869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16715216	(A/C)
21870	CakSNP21870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16720077	(T/G)
21871	CakSNP21871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16720096	(C/A)
21872	CakSNP21872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16723012	(G/A)
21873	CakSNP21873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16724754	(A/G)
21874	CakSNP21874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16724832	(T/C)
21875	CakSNP21875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16725436	(T/C)
21876	CakSNP21876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16728254	(A/C)
21877	CakSNP21877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16734735	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21878	CakSNP21878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16738628	(C/T)
21879	CakSNP21879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16741741	(T/C)
21880	CakSNP21880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16745312	(T/G)
21881	CakSNP21881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16745357	(C/T)
21882	CakSNP21882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16749543	(C/T)
21883	CakSNP21883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16753524	(T/C)
21884	CakSNP21884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16756754	(T/G)
21885	CakSNP21885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16756778	(C/G)
21886	CakSNP21886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16759066	(A/C)
21887	CakSNP21887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16763119	(G/C)
21888	CakSNP21888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16768916	(C/T)
21889	CakSNP21889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16770864	(C/T)
21890	CakSNP21890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16773167	(G/A)
21891	CakSNP21891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16773169	(T/C)
21892	CakSNP21892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16775909	(G/C)
21893	CakSNP21893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16792384	(G/T)
21894	CakSNP21894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16792385	(T/C)
21895	CakSNP21895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16795334	(A/C)
21896	CakSNP21896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16796009	(G/C)
21897	CakSNP21897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16797381	(A/C)
21898	CakSNP21898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16798070	(T/G)
21899	CakSNP21899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16800967	(G/C)
21900	CakSNP21900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16800982	(G/A)
21901	CakSNP21901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16805285	(A/C)
21902	CakSNP21902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16806851	(A/G)
21903	CakSNP21903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16810319	(C/G)
21904	CakSNP21904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16810328	(G/T)
21905	CakSNP21905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16811019	(A/G)
21906	CakSNP21906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16817728	(C/T)
21907	CakSNP21907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16818477	(G/T)
21908	CakSNP21908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16822925	(G/A)
21909	CakSNP21909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16839161	(T/C)
21910	CakSNP21910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16847104	(G/A)
21911	CakSNP21911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16847905	(T/G)
21912	CakSNP21912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16847915	(T/C)
21913	CakSNP21913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16848678	(A/G)
21914	CakSNP21914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16848818	(C/G)
21915	CakSNP21915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16849886	(C/A)
21916	CakSNP21916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16849916	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21917	CakSNP21917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16854862	(C/T)
21918	CakSNP21918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16854880	(A/G)
21919	CakSNP21919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16856071	(T/C)
21920	CakSNP21920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16857724	(G/T)
21921	CakSNP21921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16866134	(C/T)
21922	CakSNP21922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16866191	(T/G)
21923	CakSNP21923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16867690	(G/A)
21924	CakSNP21924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16884460	(G/C)
21925	CakSNP21925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16890964	(T/C)
21926	CakSNP21926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16890974	(A/G)
21927	CakSNP21927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16900104	(G/A)
21928	CakSNP21928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16900127	(G/A)
21929	CakSNP21929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16901597	(T/G)
21930	CakSNP21930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16901600	(T/A)
21931	CakSNP21931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16901701	(C/T)
21932	CakSNP21932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16904740	(A/C)
21933	CakSNP21933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16909393	(C/G)
21934	CakSNP21934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16909447	(C/A)
21935	CakSNP21935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16913920	(G/T)
21936	CakSNP21936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16917202	(G/C)
21937	CakSNP21937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16917212	(G/A)
21938	CakSNP21938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16921376	(A/G)
21939	CakSNP21939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16929094	(C/T)
21940	CakSNP21940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16930382	(T/C)
21941	CakSNP21941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16936177	(A/G)
21942	CakSNP21942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16938854	(T/C)
21943	CakSNP21943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16938863	(A/G)
21944	CakSNP21944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16947610	(G/A)
21945	CakSNP21945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16947664	(T/C)
21946	CakSNP21946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16947792	(G/A)
21947	CakSNP21947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16950010	(T/C)
21948	CakSNP21948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16959044	(C/G)
21949	CakSNP21949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16959070	(C/G)
21950	CakSNP21950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16959077	(G/A)
21951	CakSNP21951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16972762	(T/C)
21952	CakSNP21952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16973548	(C/T)
21953	CakSNP21953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16973590	(C/G)
21954	CakSNP21954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16984599	(C/G)
21955	CakSNP21955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16984785	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21956	CakSNP21956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	16984812	(T/C)
21957	CakSNP21957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17004468	(G/A)
21958	CakSNP21958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17004504	(C/T)
21959	CakSNP21959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17004540	(C/T)
21960	CakSNP21960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17005753	(G/A)
21961	CakSNP21961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17005756	(A/G)
21962	CakSNP21962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17016529	(C/T)
21963	CakSNP21963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17016536	(G/T)
21964	CakSNP21964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17016995	(A/T)
21965	CakSNP21965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17021436	(T/G)
21966	CakSNP21966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17021442	(G/T)
21967	CakSNP21967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17024552	(C/A)
21968	CakSNP21968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17034564	(T/C)
21969	CakSNP21969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17034585	(G/A)
21970	CakSNP21970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17035472	(G/A)
21971	CakSNP21971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17039549	(C/G)
21972	CakSNP21972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17039551	(T/G)
21973	CakSNP21973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17042770	(C/G)
21974	CakSNP21974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17043941	(G/A)
21975	CakSNP21975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17045500	(T/G)
21976	CakSNP21976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17050364	(G/A)
21977	CakSNP21977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17052384	(T/G)
21978	CakSNP21978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17056471	(C/T)
21979	CakSNP21979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17056477	(C/G)
21980	CakSNP21980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17057732	(C/T)
21981	CakSNP21981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17057823	(T/C)
21982	CakSNP21982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17057850	(G/A)
21983	CakSNP21983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17069033	(A/C)
21984	CakSNP21984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17069653	(C/T)
21985	CakSNP21985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17069674	(T/C)
21986	CakSNP21986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17072513	(T/C)
21987	CakSNP21987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17072515	(G/C)
21988	CakSNP21988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17072813	(T/C)
21989	CakSNP21989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17074228	(A/G)
21990	CakSNP21990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17074250	(T/A)
21991	CakSNP21991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17074307	(A/T)
21992	CakSNP21992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17077410	(A/G)
21993	CakSNP21993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17082462	(T/C)
21994	CakSNP21994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17082822	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
21995	CakSNP21995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17083441	(G/T)
21996	CakSNP21996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17085224	(T/C)
21997	CakSNP21997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17094726	(G/A)
21998	CakSNP21998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17095757	(A/G)
21999	CakSNP21999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100012	(C/G)
22000	CakSNP22000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100020	(A/C)
22001	CakSNP22001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100026	(C/G)
22002	CakSNP22002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100254	(A/T)
22003	CakSNP22003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100270	(C/G)
22004	CakSNP22004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17100331	(T/C)
22005	CakSNP22005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17105131	(T/G)
22006	CakSNP22006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17124123	(G/C)
22007	CakSNP22007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17124179	(G/A)
22008	CakSNP22008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17135908	(C/G)
22009	CakSNP22009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17135911	(T/C)
22010	CakSNP22010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17137643	(A/C)
22011	CakSNP22011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17145502	(C/T)
22012	CakSNP22012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17149807	(C/G)
22013	CakSNP22013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17153306	(G/A)
22014	CakSNP22014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17153538	(A/G)
22015	CakSNP22015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17153539	(T/C)
22016	CakSNP22016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17158844	(T/G)
22017	CakSNP22017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17158845	(C/A)
22018	CakSNP22018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17164315	(G/T)
22019	CakSNP22019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17169559	(C/T)
22020	CakSNP22020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17173889	(C/T)
22021	CakSNP22021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17175017	(C/G)
22022	CakSNP22022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17175032	(C/T)
22023	CakSNP22023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17183208	(C/T)
22024	CakSNP22024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17183478	(C/G)
22025	CakSNP22025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17183481	(T/C)
22026	CakSNP22026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17191143	(A/C)
22027	CakSNP22027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17191144	(G/A)
22028	CakSNP22028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17193826	(G/A)
22029	CakSNP22029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17194069	(G/T)
22030	CakSNP22030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17197111	(T/G)
22031	CakSNP22031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17197112	(C/T)
22032	CakSNP22032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17211956	(G/A)
22033	CakSNP22033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17221166	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22034	CakSNP22034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17222126	(G/T)
22035	CakSNP22035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17228590	(A/G)
22036	CakSNP22036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17228617	(C/G)
22037	CakSNP22037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17229757	(T/C)
22038	CakSNP22038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17229851	(A/G)
22039	CakSNP22039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17229856	(T/C)
22040	CakSNP22040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17230023	(C/T)
22041	CakSNP22041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17232772	(G/A)
22042	CakSNP22042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17234123	(C/T)
22043	CakSNP22043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17234152	(T/G)
22044	CakSNP22044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17234682	(G/A)
22045	CakSNP22045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17234713	(C/A)
22046	CakSNP22046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17236651	(C/T)
22047	CakSNP22047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17236681	(T/C)
22048	CakSNP22048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17237146	(A/G)
22049	CakSNP22049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17259898	(C/G)
22050	CakSNP22050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17263412	(T/G)
22051	CakSNP22051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17264715	(G/C)
22052	CakSNP22052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17264725	(T/C)
22053	CakSNP22053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17264921	(G/A)
22054	CakSNP22054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17265470	(A/G)
22055	CakSNP22055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17270108	(G/A)
22056	CakSNP22056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17275057	(G/A)
22057	CakSNP22057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17275063	(A/G)
22058	CakSNP22058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17284324	(A/G)
22059	CakSNP22059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17286294	(C/T)
22060	CakSNP22060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17286314	(A/G)
22061	CakSNP22061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17288522	(C/T)
22062	CakSNP22062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17288523	(T/C)
22063	CakSNP22063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17289626	(T/G)
22064	CakSNP22064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17290132	(C/T)
22065	CakSNP22065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17291686	(A/C)
22066	CakSNP22066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17297188	(C/T)
22067	CakSNP22067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17297200	(G/A)
22068	CakSNP22068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17309055	(A/G)
22069	CakSNP22069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17310208	(T/C)
22070	CakSNP22070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17313517	(C/A)
22071	CakSNP22071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17313528	(A/C)
22072	CakSNP22072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17313529	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22073	CakSNP22073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17317567	(C/T)
22074	CakSNP22074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17318919	(T/G)
22075	CakSNP22075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17319872	(C/T)
22076	CakSNP22076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17321416	(C/A)
22077	CakSNP22077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17330189	(T/C)
22078	CakSNP22078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17330572	(T/G)
22079	CakSNP22079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17335969	(T/C)
22080	CakSNP22080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17335978	(C/T)
22081	CakSNP22081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17336333	(C/T)
22082	CakSNP22082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17336409	(T/C)
22083	CakSNP22083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17339624	(A/G)
22084	CakSNP22084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17347047	(G/T)
22085	CakSNP22085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17347065	(G/C)
22086	CakSNP22086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17349179	(C/A)
22087	CakSNP22087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17350379	(C/T)
22088	CakSNP22088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17350403	(G/C)
22089	CakSNP22089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17355331	(C/T)
22090	CakSNP22090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17355343	(T/G)
22091	CakSNP22091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17363326	(A/G)
22092	CakSNP22092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17363362	(C/G)
22093	CakSNP22093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17363588	(G/C)
22094	CakSNP22094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17363607	(G/A)
22095	CakSNP22095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17365595	(A/G)
22096	CakSNP22096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17367130	(T/G)
22097	CakSNP22097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17372448	(G/A)
22098	CakSNP22098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17372474	(G/T)
22099	CakSNP22099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17374148	(T/C)
22100	CakSNP22100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17374150	(G/A)
22101	CakSNP22101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17374982	(C/G)
22102	CakSNP22102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17383714	(G/C)
22103	CakSNP22103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17390158	(C/T)
22104	CakSNP22104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17391946	(G/A)
22105	CakSNP22105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17392021	(A/G)
22106	CakSNP22106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17396458	(G/A)
22107	CakSNP22107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17400281	(G/C)
22108	CakSNP22108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17418177	(G/A)
22109	CakSNP22109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17418195	(G/A)
22110	CakSNP22110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17423923	(A/C)
22111	CakSNP22111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17425180	(T/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22112	CakSNP22112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17425534	(G/C)
22113	CakSNP22113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17426379	(C/T)
22114	CakSNP22114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17427763	(A/G)
22115	CakSNP22115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17427807	(G/A)
22116	CakSNP22116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17429423	(A/G)
22117	CakSNP22117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17429444	(G/A)
22118	CakSNP22118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17432893	(G/A)
22119	CakSNP22119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17438905	(A/G)
22120	CakSNP22120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17454408	(G/A)
22121	CakSNP22121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17454527	(C/G)
22122	CakSNP22122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17454584	(G/A)
22123	CakSNP22123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17458338	(C/G)
22124	CakSNP22124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17458378	(A/C)
22125	CakSNP22125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17460854	(C/A)
22126	CakSNP22126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17462015	(T/C)
22127	CakSNP22127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17462108	(G/T)
22128	CakSNP22128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17463999	(T/G)
22129	CakSNP22129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17464342	(A/G)
22130	CakSNP22130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17465423	(C/T)
22131	CakSNP22131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17465429	(A/G)
22132	CakSNP22132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17467389	(A/G)
22133	CakSNP22133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17468575	(A/T)
22134	CakSNP22134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17472963	(C/A)
22135	CakSNP22135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17475553	(A/G)
22136	CakSNP22136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17475769	(A/C)
22137	CakSNP22137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17484863	(A/G)
22138	CakSNP22138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17484890	(C/A)
22139	CakSNP22139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17490392	(G/A)
22140	CakSNP22140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17491797	(C/T)
22141	CakSNP22141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17494871	(A/T)
22142	CakSNP22142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17495308	(T/C)
22143	CakSNP22143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17495506	(A/T)
22144	CakSNP22144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17495658	(A/G)
22145	CakSNP22145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17495911	(C/A)
22146	CakSNP22146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17495980	(C/G)
22147	CakSNP22147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17496047	(A/G)
22148	CakSNP22148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17496086	(C/T)
22149	CakSNP22149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17498540	(G/C)
22150	CakSNP22150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17502327	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22151	CakSNP22151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17502354	(C/T)
22152	CakSNP22152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17509865	(C/G)
22153	CakSNP22153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17509874	(G/T)
22154	CakSNP22154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17512372	(G/C)
22155	CakSNP22155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17512443	(A/G)
22156	CakSNP22156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17514272	(T/G)
22157	CakSNP22157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17514319	(A/C)
22158	CakSNP22158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17515725	(T/C)
22159	CakSNP22159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17515728	(A/G)
22160	CakSNP22160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17516278	(A/G)
22161	CakSNP22161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17517744	(A/G)
22162	CakSNP22162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17519081	(A/G)
22163	CakSNP22163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17519153	(C/G)
22164	CakSNP22164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17522335	(A/G)
22165	CakSNP22165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17522341	(C/G)
22166	CakSNP22166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17543443	(A/G)
22167	CakSNP22167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17554118	(A/G)
22168	CakSNP22168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17554879	(G/A)
22169	CakSNP22169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17555105	(G/A)
22170	CakSNP22170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17555680	(C/T)
22171	CakSNP22171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17563276	(A/C)
22172	CakSNP22172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17563281	(G/A)
22173	CakSNP22173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17568185	(A/G)
22174	CakSNP22174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17568195	(A/G)
22175	CakSNP22175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17568481	(A/C)
22176	CakSNP22176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17568536	(A/G)
22177	CakSNP22177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17569512	(C/G)
22178	CakSNP22178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17571190	(T/C)
22179	CakSNP22179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17575857	(G/C)
22180	CakSNP22180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17575861	(A/G)
22181	CakSNP22181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17575862	(A/G)
22182	CakSNP22182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17575990	(A/G)
22183	CakSNP22183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17576348	(T/C)
22184	CakSNP22184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17577311	(G/T)
22185	CakSNP22185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17577949	(T/G)
22186	CakSNP22186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17578019	(C/G)
22187	CakSNP22187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17587745	(A/G)
22188	CakSNP22188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17587759	(A/G)
22189	CakSNP22189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17588013	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22190	CakSNP22190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17588037	(A/G)
22191	CakSNP22191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17588065	(C/T)
22192	CakSNP22192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17589665	(C/T)
22193	CakSNP22193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17589862	(C/G)
22194	CakSNP22194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17593933	(G/A)
22195	CakSNP22195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17593960	(A/G)
22196	CakSNP22196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17605730	(G/A)
22197	CakSNP22197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17609678	(G/C)
22198	CakSNP22198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17609709	(A/G)
22199	CakSNP22199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17610652	(A/G)
22200	CakSNP22200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17610664	(G/C)
22201	CakSNP22201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17610812	(G/A)
22202	CakSNP22202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17610820	(C/T)
22203	CakSNP22203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17611216	(C/T)
22204	CakSNP22204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17611222	(A/G)
22205	CakSNP22205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17621283	(C/T)
22206	CakSNP22206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17621351	(T/C)
22207	CakSNP22207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17625679	(A/G)
22208	CakSNP22208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17626513	(T/G)
22209	CakSNP22209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17627257	(C/T)
22210	CakSNP22210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17634324	(G/T)
22211	CakSNP22211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17634364	(G/A)
22212	CakSNP22212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17643307	(G/A)
22213	CakSNP22213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17645604	(A/G)
22214	CakSNP22214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17648275	(C/T)
22215	CakSNP22215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17651790	(C/T)
22216	CakSNP22216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17651792	(G/C)
22217	CakSNP22217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17653212	(C/A)
22218	CakSNP22218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17653385	(A/G)
22219	CakSNP22219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17653412	(T/C)
22220	CakSNP22220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17655910	(G/A)
22221	CakSNP22221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17659610	(C/T)
22222	CakSNP22222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17660788	(G/T)
22223	CakSNP22223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17664464	(G/A)
22224	CakSNP22224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17664469	(C/T)
22225	CakSNP22225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17667464	(A/C)
22226	CakSNP22226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17667796	(C/G)
22227	CakSNP22227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17667823	(A/G)
22228	CakSNP22228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17668198	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22229	CakSNP22229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17675941	(C/T)
22230	CakSNP22230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17675953	(C/G)
22231	CakSNP22231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17681320	(T/C)
22232	CakSNP22232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17686750	(C/T)
22233	CakSNP22233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17686802	(C/T)
22234	CakSNP22234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17690386	(A/G)
22235	CakSNP22235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17690457	(T/G)
22236	CakSNP22236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17695830	(T/C)
22237	CakSNP22237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17696236	(A/G)
22238	CakSNP22238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17703446	(C/T)
22239	CakSNP22239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17707089	(T/G)
22240	CakSNP22240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17714825	(A/C)
22241	CakSNP22241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17719103	(A/C)
22242	CakSNP22242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17729630	(G/A)
22243	CakSNP22243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17729707	(G/T)
22244	CakSNP22244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17730593	(G/C)
22245	CakSNP22245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17730605	(A/C)
22246	CakSNP22246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17730836	(A/C)
22247	CakSNP22247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17737454	(G/A)
22248	CakSNP22248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17737466	(A/G)
22249	CakSNP22249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17741720	(G/C)
22250	CakSNP22250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17743579	(C/T)
22251	CakSNP22251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17745440	(T/C)
22252	CakSNP22252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17745478	(C/T)
22253	CakSNP22253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17746537	(T/G)
22254	CakSNP22254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17749390	(C/G)
22255	CakSNP22255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17749399	(T/C)
22256	CakSNP22256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17753739	(T/A)
22257	CakSNP22257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17760588	(A/G)
22258	CakSNP22258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17760620	(C/T)
22259	CakSNP22259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17760650	(T/G)
22260	CakSNP22260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17761956	(G/A)
22261	CakSNP22261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17765524	(G/T)
22262	CakSNP22262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17765543	(G/C)
22263	CakSNP22263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17781649	(G/C)
22264	CakSNP22264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17785598	(G/C)
22265	CakSNP22265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17785614	(T/G)
22266	CakSNP22266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17785643	(T/C)
22267	CakSNP22267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17787071	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22268	CakSNP22268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17790731	(G/A)
22269	CakSNP22269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17792770	(C/T)
22270	CakSNP22270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17792777	(G/A)
22271	CakSNP22271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17792957	(C/T)
22272	CakSNP22272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17792964	(G/A)
22273	CakSNP22273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17809880	(T/C)
22274	CakSNP22274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17809913	(G/A)
22275	CakSNP22275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17813020	(G/A)
22276	CakSNP22276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17813023	(C/G)
22277	CakSNP22277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17814716	(C/T)
22278	CakSNP22278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17814788	(C/G)
22279	CakSNP22279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17818318	(C/A)
22280	CakSNP22280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17830073	(C/T)
22281	CakSNP22281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17831657	(A/G)
22282	CakSNP22282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17831663	(G/T)
22283	CakSNP22283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17832301	(G/A)
22284	CakSNP22284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17832314	(G/A)
22285	CakSNP22285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17837354	(T/C)
22286	CakSNP22286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17838454	(G/A)
22287	CakSNP22287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17844685	(A/C)
22288	CakSNP22288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17844706	(T/C)
22289	CakSNP22289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17846171	(C/T)
22290	CakSNP22290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17846249	(A/G)
22291	CakSNP22291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17846303	(C/T)
22292	CakSNP22292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17848306	(T/C)
22293	CakSNP22293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17852659	(G/A)
22294	CakSNP22294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17863496	(T/C)
22295	CakSNP22295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17863520	(G/C)
22296	CakSNP22296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17864834	(C/G)
22297	CakSNP22297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17865968	(T/C)
22298	CakSNP22298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17866529	(C/G)
22299	CakSNP22299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17870735	(G/A)
22300	CakSNP22300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17870747	(A/G)
22301	CakSNP22301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17871285	(G/A)
22302	CakSNP22302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17871294	(C/T)
22303	CakSNP22303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17872306	(A/C)
22304	CakSNP22304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17872945	(A/T)
22305	CakSNP22305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17872976	(A/G)
22306	CakSNP22306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17884474	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22307	CakSNP22307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17889232	(G/C)
22308	CakSNP22308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17889257	(A/G)
22309	CakSNP22309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17891779	(T/C)
22310	CakSNP22310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17892202	(T/C)
22311	CakSNP22311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17901128	(C/T)
22312	CakSNP22312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17901641	(A/G)
22313	CakSNP22313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17901648	(T/A)
22314	CakSNP22314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17910343	(A/G)
22315	CakSNP22315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17910397	(A/C)
22316	CakSNP22316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17913667	(A/G)
22317	CakSNP22317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17913745	(T/C)
22318	CakSNP22318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17919055	(A/C)
22319	CakSNP22319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17925237	(G/A)
22320	CakSNP22320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17925240	(T/G)
22321	CakSNP22321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17928555	(G/T)
22322	CakSNP22322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17928573	(C/G)
22323	CakSNP22323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17932364	(C/T)
22324	CakSNP22324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17935615	(C/A)
22325	CakSNP22325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17935649	(T/G)
22326	CakSNP22326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17935692	(C/T)
22327	CakSNP22327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17935701	(A/G)
22328	CakSNP22328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17942231	(A/G)
22329	CakSNP22329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17949666	(A/G)
22330	CakSNP22330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17950774	(A/G)
22331	CakSNP22331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17957321	(C/A)
22332	CakSNP22332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17957334	(C/G)
22333	CakSNP22333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17963997	(T/G)
22334	CakSNP22334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17968728	(G/A)
22335	CakSNP22335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17969758	(G/C)
22336	CakSNP22336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17971133	(G/C)
22337	CakSNP22337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17971802	(G/T)
22338	CakSNP22338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17971807	(G/C)
22339	CakSNP22339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17972205	(A/G)
22340	CakSNP22340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17974116	(G/A)
22341	CakSNP22341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17974129	(C/T)
22342	CakSNP22342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17985164	(C/T)
22343	CakSNP22343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17986886	(T/A)
22344	CakSNP22344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17991233	(C/G)
22345	CakSNP22345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17991279	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22346	CakSNP22346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	17999993	(A/G)
22347	CakSNP22347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18000376	(T/C)
22348	CakSNP22348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18009494	(G/A)
22349	CakSNP22349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18009530	(G/A)
22350	CakSNP22350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18015260	(C/T)
22351	CakSNP22351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18015266	(T/C)
22352	CakSNP22352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18019036	(G/T)
22353	CakSNP22353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18019054	(G/C)
22354	CakSNP22354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18021175	(A/C)
22355	CakSNP22355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18021208	(C/T)
22356	CakSNP22356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18022504	(A/G)
22357	CakSNP22357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18030218	(A/G)
22358	CakSNP22358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18030245	(G/C)
22359	CakSNP22359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18045236	(A/G)
22360	CakSNP22360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18045254	(G/C)
22361	CakSNP22361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18049288	(A/G)
22362	CakSNP22362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18057460	(A/G)
22363	CakSNP22363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18057493	(A/G)
22364	CakSNP22364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18062095	(T/C)
22365	CakSNP22365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18062116	(C/T)
22366	CakSNP22366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18063677	(T/G)
22367	CakSNP22367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18065873	(T/G)
22368	CakSNP22368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18073526	(A/C)
22369	CakSNP22369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18073553	(C/T)
22370	CakSNP22370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18075293	(G/C)
22371	CakSNP22371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18078197	(G/A)
22372	CakSNP22372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18078269	(C/T)
22373	CakSNP22373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18085071	(C/T)
22374	CakSNP22374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18086849	(A/C)
22375	CakSNP22375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18095969	(C/T)
22376	CakSNP22376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18096648	(T/C)
22377	CakSNP22377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18100045	(T/C)
22378	CakSNP22378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18100062	(G/C)
22379	CakSNP22379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18109396	(C/A)
22380	CakSNP22380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18109402	(T/C)
22381	CakSNP22381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18111873	(G/A)
22382	CakSNP22382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18111898	(C/T)
22383	CakSNP22383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18113153	(C/A)
22384	CakSNP22384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18113171	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22385	CakSNP22385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18113367	(C/A)
22386	CakSNP22386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18113809	(G/A)
22387	CakSNP22387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18115789	(T/A)
22388	CakSNP22388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18115810	(G/C)
22389	CakSNP22389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18116597	(T/C)
22390	CakSNP22390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18116666	(A/T)
22391	CakSNP22391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18118195	(T/G)
22392	CakSNP22392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18120678	(A/C)
22393	CakSNP22393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18126053	(T/C)
22394	CakSNP22394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18127484	(G/C)
22395	CakSNP22395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18130665	(G/A)
22396	CakSNP22396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18131139	(C/A)
22397	CakSNP22397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18131168	(G/A)
22398	CakSNP22398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18132154	(A/G)
22399	CakSNP22399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18136870	(T/G)
22400	CakSNP22400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18136875	(G/C)
22401	CakSNP22401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18143261	(C/T)
22402	CakSNP22402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18145646	(T/C)
22403	CakSNP22403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18145676	(C/T)
22404	CakSNP22404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18150116	(A/G)
22405	CakSNP22405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18150140	(G/T)
22406	CakSNP22406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18152696	(G/C)
22407	CakSNP22407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18155798	(A/G)
22408	CakSNP22408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18155801	(A/G)
22409	CakSNP22409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18157850	(A/C)
22410	CakSNP22410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18159030	(C/T)
22411	CakSNP22411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18161129	(C/G)
22412	CakSNP22412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18164824	(T/A)
22413	CakSNP22413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18166118	(G/C)
22414	CakSNP22414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18166365	(T/C)
22415	CakSNP22415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18166405	(G/A)
22416	CakSNP22416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18167705	(A/T)
22417	CakSNP22417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18169954	(C/T)
22418	CakSNP22418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18170385	(A/G)
22419	CakSNP22419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18173531	(C/T)
22420	CakSNP22420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18178644	(G/T)
22421	CakSNP22421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18178846	(C/T)
22422	CakSNP22422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18183712	(T/G)
22423	CakSNP22423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18185898	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22424	CakSNP22424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18185916	(A/G)
22425	CakSNP22425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18196616	(T/C)
22426	CakSNP22426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18196660	(G/C)
22427	CakSNP22427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18199026	(C/T)
22428	CakSNP22428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18209704	(G/A)
22429	CakSNP22429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18209734	(A/C)
22430	CakSNP22430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18214361	(T/C)
22431	CakSNP22431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18214422	(A/C)
22432	CakSNP22432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18214627	(C/G)
22433	CakSNP22433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18214630	(C/T)
22434	CakSNP22434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18215680	(A/T)
22435	CakSNP22435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18215725	(G/A)
22436	CakSNP22436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18225599	(A/G)
22437	CakSNP22437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18225626	(G/A)
22438	CakSNP22438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18226822	(C/T)
22439	CakSNP22439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18229442	(C/A)
22440	CakSNP22440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18232712	(C/T)
22441	CakSNP22441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18232715	(A/G)
22442	CakSNP22442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18240760	(G/C)
22443	CakSNP22443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18240772	(C/T)
22444	CakSNP22444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18244217	(G/C)
22445	CakSNP22445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18244244	(A/G)
22446	CakSNP22446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18249035	(G/T)
22447	CakSNP22447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18254434	(C/G)
22448	CakSNP22448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18254479	(A/G)
22449	CakSNP22449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18255571	(T/C)
22450	CakSNP22450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18255580	(G/T)
22451	CakSNP22451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18255938	(T/C)
22452	CakSNP22452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18259685	(T/C)
22453	CakSNP22453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18259712	(G/C)
22454	CakSNP22454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18260199	(G/A)
22455	CakSNP22455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18260208	(A/C)
22456	CakSNP22456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18268558	(T/G)
22457	CakSNP22457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18268564	(T/C)
22458	CakSNP22458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18269034	(A/G)
22459	CakSNP22459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18270676	(T/C)
22460	CakSNP22460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18270688	(T/G)
22461	CakSNP22461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18270828	(G/A)
22462	CakSNP22462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18270846	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22463	CakSNP22463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18274147	(T/C)
22464	CakSNP22464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18275905	(T/C)
22465	CakSNP22465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18276932	(A/G)
22466	CakSNP22466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18279539	(C/T)
22467	CakSNP22467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18284434	(G/A)
22468	CakSNP22468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18284503	(G/C)
22469	CakSNP22469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18288645	(T/C)
22470	CakSNP22470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18292460	(G/A)
22471	CakSNP22471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18293034	(A/G)
22472	CakSNP22472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18303244	(T/C)
22473	CakSNP22473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18312877	(G/A)
22474	CakSNP22474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18315388	(T/C)
22475	CakSNP22475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18326563	(C/G)
22476	CakSNP22476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18326575	(C/T)
22477	CakSNP22477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18326977	(G/A)
22478	CakSNP22478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18330217	(T/C)
22479	CakSNP22479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18330247	(C/T)
22480	CakSNP22480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18349380	(C/G)
22481	CakSNP22481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18351620	(T/G)
22482	CakSNP22482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18352549	(T/C)
22483	CakSNP22483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18352558	(A/C)
22484	CakSNP22484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18354146	(A/G)
22485	CakSNP22485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18354163	(T/C)
22486	CakSNP22486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18357472	(A/G)
22487	CakSNP22487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18368995	(G/A)
22488	CakSNP22488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18369476	(G/T)
22489	CakSNP22489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18369482	(T/C)
22490	CakSNP22490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18371972	(A/C)
22491	CakSNP22491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18371974	(T/C)
22492	CakSNP22492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18378184	(A/G)
22493	CakSNP22493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18378189	(G/A)
22494	CakSNP22494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18379267	(G/A)
22495	CakSNP22495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18380355	(A/G)
22496	CakSNP22496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18382345	(G/C)
22497	CakSNP22497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18383189	(C/T)
22498	CakSNP22498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18387158	(T/C)
22499	CakSNP22499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18387172	(G/A)
22500	CakSNP22500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18395703	(G/A)
22501	CakSNP22501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18399965	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22502	CakSNP22502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18399994	(T/C)
22503	CakSNP22503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18400927	(G/C)
22504	CakSNP22504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18400934	(G/A)
22505	CakSNP22505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18411242	(T/C)
22506	CakSNP22506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18411256	(G/A)
22507	CakSNP22507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18416998	(G/C)
22508	CakSNP22508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18416999	(C/G)
22509	CakSNP22509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18417740	(C/G)
22510	CakSNP22510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18417754	(T/C)
22511	CakSNP22511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18423214	(C/T)
22512	CakSNP22512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18423619	(C/T)
22513	CakSNP22513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18423628	(T/C)
22514	CakSNP22514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18423994	(G/A)
22515	CakSNP22515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18428416	(G/T)
22516	CakSNP22516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18429367	(T/G)
22517	CakSNP22517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18429383	(A/G)
22518	CakSNP22518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18432130	(T/C)
22519	CakSNP22519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18432188	(T/C)
22520	CakSNP22520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18437366	(C/A)
22521	CakSNP22521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18438204	(A/G)
22522	CakSNP22522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18440440	(G/A)
22523	CakSNP22523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18451604	(G/A)
22524	CakSNP22524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18451622	(C/A)
22525	CakSNP22525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18455332	(G/A)
22526	CakSNP22526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18455350	(C/A)
22527	CakSNP22527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18455356	(T/C)
22528	CakSNP22528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18459497	(C/G)
22529	CakSNP22529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18462101	(A/C)
22530	CakSNP22530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18464620	(A/G)
22531	CakSNP22531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18464648	(G/A)
22532	CakSNP22532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18466527	(G/C)
22533	CakSNP22533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18466539	(T/C)
22534	CakSNP22534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18469553	(G/T)
22535	CakSNP22535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18470860	(T/C)
22536	CakSNP22536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18474096	(A/G)
22537	CakSNP22537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18476944	(T/G)
22538	CakSNP22538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18477935	(A/G)
22539	CakSNP22539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18479017	(G/C)
22540	CakSNP22540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18484876	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22541	CakSNP22541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18492425	(G/C)
22542	CakSNP22542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18492458	(A/G)
22543	CakSNP22543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18492911	(G/C)
22544	CakSNP22544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18497528	(G/A)
22545	CakSNP22545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18497537	(T/C)
22546	CakSNP22546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18501632	(G/A)
22547	CakSNP22547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18501638	(G/A)
22548	CakSNP22548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18504613	(C/A)
22549	CakSNP22549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18509084	(C/T)
22550	CakSNP22550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18512044	(A/C)
22551	CakSNP22551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18512047	(G/A)
22552	CakSNP22552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18512138	(A/G)
22553	CakSNP22553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18515042	(A/G)
22554	CakSNP22554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18518254	(A/C)
22555	CakSNP22555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18520034	(C/G)
22556	CakSNP22556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18520055	(T/C)
22557	CakSNP22557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18524435	(C/T)
22558	CakSNP22558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18524445	(A/C)
22559	CakSNP22559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18524597	(C/G)
22560	CakSNP22560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18529410	(T/C)
22561	CakSNP22561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18539598	(C/A)
22562	CakSNP22562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18542780	(T/A)
22563	CakSNP22563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18543466	(C/G)
22564	CakSNP22564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18543550	(G/T)
22565	CakSNP22565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18543835	(T/C)
22566	CakSNP22566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18545659	(A/G)
22567	CakSNP22567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18552228	(C/G)
22568	CakSNP22568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18558448	(C/A)
22569	CakSNP22569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18559193	(C/T)
22570	CakSNP22570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18559231	(G/A)
22571	CakSNP22571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18559927	(G/A)
22572	CakSNP22572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18563930	(G/A)
22573	CakSNP22573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18563978	(C/T)
22574	CakSNP22574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18566071	(C/T)
22575	CakSNP22575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18568152	(T/C)
22576	CakSNP22576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18568157	(T/C)
22577	CakSNP22577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18569485	(C/T)
22578	CakSNP22578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18569488	(T/C)
22579	CakSNP22579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18573632	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22580	CakSNP22580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18579933	(C/T)
22581	CakSNP22581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18581122	(A/C)
22582	CakSNP22582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18586183	(G/T)
22583	CakSNP22583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18586211	(A/G)
22584	CakSNP22584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18587105	(C/T)
22585	CakSNP22585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18589602	(T/C)
22586	CakSNP22586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18591097	(A/G)
22587	CakSNP22587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18592866	(C/G)
22588	CakSNP22588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18592869	(C/T)
22589	CakSNP22589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18596290	(T/C)
22590	CakSNP22590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18596296	(T/G)
22591	CakSNP22591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18597427	(G/A)
22592	CakSNP22592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18597485	(C/T)
22593	CakSNP22593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18598249	(C/G)
22594	CakSNP22594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18606359	(C/A)
22595	CakSNP22595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18608180	(G/A)
22596	CakSNP22596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18608195	(T/C)
22597	CakSNP22597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18614037	(T/C)
22598	CakSNP22598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18618464	(A/G)
22599	CakSNP22599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18620233	(T/C)
22600	CakSNP22600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18623050	(G/A)
22601	CakSNP22601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18623064	(G/A)
22602	CakSNP22602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18623808	(T/C)
22603	CakSNP22603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18624662	(G/A)
22604	CakSNP22604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18624688	(T/C)
22605	CakSNP22605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18627935	(A/G)
22606	CakSNP22606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18632591	(A/C)
22607	CakSNP22607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18633248	(G/A)
22608	CakSNP22608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18639938	(A/G)
22609	CakSNP22609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18641122	(C/G)
22610	CakSNP22610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18641197	(C/G)
22611	CakSNP22611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18645319	(C/T)
22612	CakSNP22612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18646865	(T/C)
22613	CakSNP22613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18650506	(G/A)
22614	CakSNP22614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18651436	(C/A)
22615	CakSNP22615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18651511	(T/C)
22616	CakSNP22616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18663629	(G/A)
22617	CakSNP22617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18663648	(T/A)
22618	CakSNP22618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18670780	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22619	CakSNP22619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18671340	(T/C)
22620	CakSNP22620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18671551	(A/G)
22621	CakSNP22621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18671557	(G/C)
22622	CakSNP22622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18675353	(A/G)
22623	CakSNP22623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18675369	(G/C)
22624	CakSNP22624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18676288	(G/A)
22625	CakSNP22625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18676421	(T/C)
22626	CakSNP22626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18676427	(T/C)
22627	CakSNP22627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18678872	(A/G)
22628	CakSNP22628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18680021	(C/T)
22629	CakSNP22629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18680071	(C/A)
22630	CakSNP22630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18680107	(A/C)
22631	CakSNP22631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18685944	(A/C)
22632	CakSNP22632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18690041	(C/A)
22633	CakSNP22633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18690059	(A/T)
22634	CakSNP22634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18696550	(C/T)
22635	CakSNP22635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18696580	(G/A)
22636	CakSNP22636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18700033	(G/C)
22637	CakSNP22637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18704924	(A/C)
22638	CakSNP22638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18705814	(A/C)
22639	CakSNP22639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18712035	(G/T)
22640	CakSNP22640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18713763	(A/T)
22641	CakSNP22641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18713777	(G/A)
22642	CakSNP22642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18713783	(T/C)
22643	CakSNP22643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18716914	(A/G)
22644	CakSNP22644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18722230	(G/T)
22645	CakSNP22645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18724934	(G/A)
22646	CakSNP22646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18726509	(A/G)
22647	CakSNP22647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18727704	(A/G)
22648	CakSNP22648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18727738	(G/C)
22649	CakSNP22649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18728749	(T/G)
22650	CakSNP22650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18728774	(T/G)
22651	CakSNP22651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18733070	(C/T)
22652	CakSNP22652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18733079	(C/G)
22653	CakSNP22653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18739407	(A/C)
22654	CakSNP22654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18739408	(A/G)
22655	CakSNP22655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18747163	(G/A)
22656	CakSNP22656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18748718	(C/A)
22657	CakSNP22657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18748786	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22658	CakSNP22658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18753052	(A/G)
22659	CakSNP22659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18756362	(C/T)
22660	CakSNP22660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18762726	(G/A)
22661	CakSNP22661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18762744	(C/A)
22662	CakSNP22662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18763792	(G/T)
22663	CakSNP22663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18770479	(C/T)
22664	CakSNP22664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18770536	(T/C)
22665	CakSNP22665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18770586	(C/T)
22666	CakSNP22666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18773521	(G/A)
22667	CakSNP22667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18775835	(T/C)
22668	CakSNP22668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18775837	(A/G)
22669	CakSNP22669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18777081	(C/G)
22670	CakSNP22670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18787985	(C/G)
22671	CakSNP22671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18788003	(T/C)
22672	CakSNP22672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18790370	(A/C)
22673	CakSNP22673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18791098	(C/T)
22674	CakSNP22674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18791101	(C/A)
22675	CakSNP22675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18793121	(T/C)
22676	CakSNP22676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18803897	(A/G)
22677	CakSNP22677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18803935	(G/C)
22678	CakSNP22678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18806483	(C/T)
22679	CakSNP22679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18808206	(T/G)
22680	CakSNP22680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18808227	(T/G)
22681	CakSNP22681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18809542	(C/T)
22682	CakSNP22682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18812003	(G/T)
22683	CakSNP22683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18813549	(G/A)
22684	CakSNP22684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18814122	(G/A)
22685	CakSNP22685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18816705	(T/C)
22686	CakSNP22686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18816713	(G/A)
22687	CakSNP22687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18828492	(G/A)
22688	CakSNP22688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18829915	(C/A)
22689	CakSNP22689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18829924	(A/G)
22690	CakSNP22690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18832361	(G/T)
22691	CakSNP22691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18832368	(G/C)
22692	CakSNP22692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18834096	(C/G)
22693	CakSNP22693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18835613	(T/C)
22694	CakSNP22694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18836177	(C/T)
22695	CakSNP22695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18841637	(A/G)
22696	CakSNP22696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18841640	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22697	CakSNP22697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18849251	(G/A)
22698	CakSNP22698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18850197	(A/G)
22699	CakSNP22699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18850203	(C/T)
22700	CakSNP22700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18850655	(G/A)
22701	CakSNP22701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18850691	(G/C)
22702	CakSNP22702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18852209	(A/G)
22703	CakSNP22703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18852950	(A/G)
22704	CakSNP22704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18856357	(T/C)
22705	CakSNP22705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18857764	(C/T)
22706	CakSNP22706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18857773	(T/C)
22707	CakSNP22707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18860305	(A/G)
22708	CakSNP22708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18867206	(A/G)
22709	CakSNP22709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18869392	(G/A)
22710	CakSNP22710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18869409	(A/C)
22711	CakSNP22711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18872425	(C/T)
22712	CakSNP22712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18872431	(T/C)
22713	CakSNP22713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18872443	(T/C)
22714	CakSNP22714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18873043	(G/A)
22715	CakSNP22715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18873726	(T/C)
22716	CakSNP22716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18873766	(G/A)
22717	CakSNP22717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18878910	(T/A)
22718	CakSNP22718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18879388	(G/T)
22719	CakSNP22719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18880593	(T/C)
22720	CakSNP22720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18881435	(T/G)
22721	CakSNP22721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18882519	(T/C)
22722	CakSNP22722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18891748	(T/G)
22723	CakSNP22723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18891754	(T/C)
22724	CakSNP22724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18892953	(A/T)
22725	CakSNP22725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18896152	(A/G)
22726	CakSNP22726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18898353	(C/A)
22727	CakSNP22727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18898800	(C/T)
22728	CakSNP22728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18899861	(A/G)
22729	CakSNP22729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18899909	(C/G)
22730	CakSNP22730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18900482	(A/C)
22731	CakSNP22731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18900483	(G/T)
22732	CakSNP22732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18900484	(A/G)
22733	CakSNP22733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18905479	(G/A)
22734	CakSNP22734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18911372	(C/G)
22735	CakSNP22735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18911381	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22736	CakSNP22736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18924368	(C/A)
22737	CakSNP22737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18927874	(G/C)
22738	CakSNP22738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18930752	(A/G)
22739	CakSNP22739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18930761	(T/C)
22740	CakSNP22740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18930885	(A/G)
22741	CakSNP22741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18930894	(A/G)
22742	CakSNP22742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18934921	(C/T)
22743	CakSNP22743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18934964	(C/T)
22744	CakSNP22744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18935278	(C/T)
22745	CakSNP22745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18938911	(G/A)
22746	CakSNP22746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18938964	(G/C)
22747	CakSNP22747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18940227	(G/C)
22748	CakSNP22748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18949813	(C/T)
22749	CakSNP22749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18951660	(G/C)
22750	CakSNP22750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18951699	(G/C)
22751	CakSNP22751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18951736	(A/G)
22752	CakSNP22752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18951760	(A/G)
22753	CakSNP22753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18968953	(G/C)
22754	CakSNP22754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18969406	(A/G)
22755	CakSNP22755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18969451	(A/G)
22756	CakSNP22756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18975086	(G/A)
22757	CakSNP22757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18975094	(T/C)
22758	CakSNP22758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18975107	(T/C)
22759	CakSNP22759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18975761	(T/C)
22760	CakSNP22760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18975813	(A/G)
22761	CakSNP22761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18976289	(G/A)
22762	CakSNP22762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18976292	(G/A)
22763	CakSNP22763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18977055	(C/G)
22764	CakSNP22764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18978483	(T/C)
22765	CakSNP22765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18981320	(T/C)
22766	CakSNP22766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18987252	(G/T)
22767	CakSNP22767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18992585	(G/A)
22768	CakSNP22768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	18997411	(T/C)
22769	CakSNP22769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19005025	(A/C)
22770	CakSNP22770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19005067	(G/T)
22771	CakSNP22771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19006159	(T/C)
22772	CakSNP22772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19008722	(A/T)
22773	CakSNP22773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19010698	(T/C)
22774	CakSNP22774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19010774	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22775	CakSNP22775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19016555	(G/A)
22776	CakSNP22776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19016573	(A/G)
22777	CakSNP22777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19017747	(T/G)
22778	CakSNP22778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19019311	(C/G)
22779	CakSNP22779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19026033	(A/C)
22780	CakSNP22780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19026034	(G/C)
22781	CakSNP22781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19032739	(G/A)
22782	CakSNP22782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19034113	(A/T)
22783	CakSNP22783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19040086	(T/C)
22784	CakSNP22784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19040170	(G/T)
22785	CakSNP22785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19045310	(G/A)
22786	CakSNP22786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19049477	(T/C)
22787	CakSNP22787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19050458	(A/T)
22788	CakSNP22788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19056692	(A/G)
22789	CakSNP22789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19056836	(C/T)
22790	CakSNP22790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19056854	(G/C)
22791	CakSNP22791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19063347	(C/G)
22792	CakSNP22792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19066239	(C/A)
22793	CakSNP22793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19069211	(T/C)
22794	CakSNP22794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19069247	(A/G)
22795	CakSNP22795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19069451	(T/C)
22796	CakSNP22796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19079071	(C/T)
22797	CakSNP22797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19079086	(C/G)
22798	CakSNP22798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19087156	(T/G)
22799	CakSNP22799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19088934	(C/G)
22800	CakSNP22800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19088942	(C/T)
22801	CakSNP22801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19089410	(G/A)
22802	CakSNP22802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19089454	(G/T)
22803	CakSNP22803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19090604	(G/A)
22804	CakSNP22804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19091010	(T/C)
22805	CakSNP22805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19091040	(A/C)
22806	CakSNP22806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19091083	(T/C)
22807	CakSNP22807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19093687	(G/T)
22808	CakSNP22808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19096458	(A/G)
22809	CakSNP22809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19108084	(G/A)
22810	CakSNP22810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19108134	(G/A)
22811	CakSNP22811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19108151	(G/C)
22812	CakSNP22812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19110319	(C/T)
22813	CakSNP22813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19110332	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22814	CakSNP22814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19110398	(C/A)
22815	CakSNP22815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19126783	(T/A)
22816	CakSNP22816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19132339	(A/C)
22817	CakSNP22817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19132396	(T/C)
22818	CakSNP22818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19135975	(G/A)
22819	CakSNP22819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19136023	(A/G)
22820	CakSNP22820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19138028	(T/C)
22821	CakSNP22821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19138056	(G/A)
22822	CakSNP22822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19147683	(A/G)
22823	CakSNP22823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19147701	(T/C)
22824	CakSNP22824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19149268	(C/T)
22825	CakSNP22825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19154228	(G/A)
22826	CakSNP22826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19154258	(A/G)
22827	CakSNP22827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19155218	(T/C)
22828	CakSNP22828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19155611	(A/G)
22829	CakSNP22829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19155614	(G/A)
22830	CakSNP22830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19156125	(T/C)
22831	CakSNP22831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19158322	(T/C)
22832	CakSNP22832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19160518	(C/T)
22833	CakSNP22833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19160524	(T/A)
22834	CakSNP22834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19161853	(C/A)
22835	CakSNP22835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19163941	(C/G)
22836	CakSNP22836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19169207	(G/T)
22837	CakSNP22837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19169216	(C/T)
22838	CakSNP22838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19171720	(G/A)
22839	CakSNP22839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19171726	(A/G)
22840	CakSNP22840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19177383	(C/A)
22841	CakSNP22841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19177386	(C/A)
22842	CakSNP22842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19184471	(C/T)
22843	CakSNP22843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19185765	(A/G)
22844	CakSNP22844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19185789	(A/G)
22845	CakSNP22845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19191108	(A/C)
22846	CakSNP22846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19191109	(A/G)
22847	CakSNP22847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19192438	(G/A)
22848	CakSNP22848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19192486	(C/T)
22849	CakSNP22849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19195741	(A/G)
22850	CakSNP22850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19195744	(G/A)
22851	CakSNP22851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19198315	(T/C)
22852	CakSNP22852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19198343	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22853	CakSNP22853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19200266	(A/G)
22854	CakSNP22854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19201724	(T/G)
22855	CakSNP22855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19206320	(T/C)
22856	CakSNP22856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19223412	(C/T)
22857	CakSNP22857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19223413	(G/T)
22858	CakSNP22858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19229621	(A/G)
22859	CakSNP22859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19234774	(T/C)
22860	CakSNP22860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19238116	(A/C)
22861	CakSNP22861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19238124	(C/G)
22862	CakSNP22862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19238946	(C/T)
22863	CakSNP22863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19240781	(T/C)
22864	CakSNP22864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19240800	(G/A)
22865	CakSNP22865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19247383	(G/C)
22866	CakSNP22866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19248118	(A/C)
22867	CakSNP22867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19251244	(C/T)
22868	CakSNP22868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19254548	(C/A)
22869	CakSNP22869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19254587	(A/G)
22870	CakSNP22870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19256586	(C/T)
22871	CakSNP22871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19274063	(T/G)
22872	CakSNP22872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19275686	(C/T)
22873	CakSNP22873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19275704	(T/C)
22874	CakSNP22874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19279916	(T/G)
22875	CakSNP22875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19284224	(A/G)
22876	CakSNP22876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19284257	(G/C)
22877	CakSNP22877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19287074	(C/T)
22878	CakSNP22878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19294446	(G/A)
22879	CakSNP22879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19294650	(G/A)
22880	CakSNP22880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19295751	(T/C)
22881	CakSNP22881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19302256	(A/G)
22882	CakSNP22882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19303277	(T/C)
22883	CakSNP22883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19304858	(T/C)
22884	CakSNP22884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19304894	(T/C)
22885	CakSNP22885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19304897	(C/T)
22886	CakSNP22886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19315474	(G/A)
22887	CakSNP22887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19315480	(G/A)
22888	CakSNP22888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19323757	(A/G)
22889	CakSNP22889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19328354	(C/A)
22890	CakSNP22890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19331804	(G/A)
22891	CakSNP22891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19332683	(G/T)

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22892	CakSNP22892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19335471	(C/G)
22893	CakSNP22893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19346404	(T/C)
22894	CakSNP22894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19348192	(A/C)
22895	CakSNP22895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19348233	(C/G)
22896	CakSNP22896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19349645	(T/G)
22897	CakSNP22897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19350085	(G/A)
22898	CakSNP22898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19352147	(G/A)
22899	CakSNP22899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19356539	(C/T)
22900	CakSNP22900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19361046	(A/G)
22901	CakSNP22901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19367179	(T/C)
22902	CakSNP22902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19370551	(T/C)
22903	CakSNP22903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19374728	(A/G)
22904	CakSNP22904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19376336	(G/A)
22905	CakSNP22905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19376363	(G/A)
22906	CakSNP22906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19379073	(C/T)
22907	CakSNP22907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19379306	(C/A)
22908	CakSNP22908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19379735	(T/C)
22909	CakSNP22909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19385230	(C/G)
22910	CakSNP22910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19385511	(G/C)
22911	CakSNP22911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19385523	(A/G)
22912	CakSNP22912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19390162	(C/T)
22913	CakSNP22913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19390333	(T/C)
22914	CakSNP22914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19391252	(C/T)
22915	CakSNP22915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19398054	(C/A)
22916	CakSNP22916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19398085	(T/C)
22917	CakSNP22917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19398318	(G/A)
22918	CakSNP22918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19400571	(C/T)
22919	CakSNP22919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19401445	(G/C)
22920	CakSNP22920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19401475	(A/G)
22921	CakSNP22921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19402744	(C/G)
22922	CakSNP22922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19407853	(C/G)
22923	CakSNP22923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19416866	(C/T)
22924	CakSNP22924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19421553	(C/T)
22925	CakSNP22925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19421556	(A/G)
22926	CakSNP22926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19422615	(G/A)
22927	CakSNP22927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19422629	(G/A)
22928	CakSNP22928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19429950	(T/G)
22929	CakSNP22929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19429960	(G/A)
22930	CakSNP22930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19430010	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22931	CakSNP22931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19430159	(G/A)
22932	CakSNP22932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19430182	(C/A)
22933	CakSNP22933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19432428	(G/T)
22934	CakSNP22934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19434335	(A/G)
22935	CakSNP22935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19435393	(G/T)
22936	CakSNP22936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19435406	(T/C)
22937	CakSNP22937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19446380	(G/C)
22938	CakSNP22938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19449849	(A/G)
22939	CakSNP22939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19459653	(A/G)
22940	CakSNP22940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19459666	(G/C)
22941	CakSNP22941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19461469	(A/G)
22942	CakSNP22942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19467652	(C/G)
22943	CakSNP22943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19482253	(T/C)
22944	CakSNP22944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19482283	(G/C)
22945	CakSNP22945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19490764	(A/G)
22946	CakSNP22946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19490794	(G/A)
22947	CakSNP22947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19494880	(C/T)
22948	CakSNP22948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19496641	(C/G)
22949	CakSNP22949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19496704	(C/T)
22950	CakSNP22950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19497856	(G/A)
22951	CakSNP22951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19497910	(C/T)
22952	CakSNP22952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19499330	(G/T)
22953	CakSNP22953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19499333	(A/G)
22954	CakSNP22954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19500292	(C/T)
22955	CakSNP22955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19500454	(A/G)
22956	CakSNP22956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19500513	(G/A)
22957	CakSNP22957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19504817	(C/T)
22958	CakSNP22958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19504856	(T/G)
22959	CakSNP22959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19505980	(A/G)
22960	CakSNP22960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19508060	(C/T)
22961	CakSNP22961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19508077	(G/T)
22962	CakSNP22962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19508114	(A/G)
22963	CakSNP22963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19509112	(C/A)
22964	CakSNP22964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19515877	(T/C)
22965	CakSNP22965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19519198	(A/G)
22966	CakSNP22966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19519203	(G/A)
22967	CakSNP22967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19521213	(C/G)
22968	CakSNP22968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19521958	(T/A)
22969	CakSNP22969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19521965	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
22970	CakSNP22970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19525451	(G/A)
22971	CakSNP22971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19526859	(G/C)
22972	CakSNP22972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19526871	(T/C)
22973	CakSNP22973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19532983	(T/C)
22974	CakSNP22974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19537330	(A/G)
22975	CakSNP22975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19547897	(G/A)
22976	CakSNP22976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19549075	(C/T)
22977	CakSNP22977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19549145	(A/G)
22978	CakSNP22978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19554267	(A/G)
22979	CakSNP22979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19558394	(C/T)
22980	CakSNP22980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19558883	(A/G)
22981	CakSNP22981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19559530	(T/C)
22982	CakSNP22982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19569592	(C/G)
22983	CakSNP22983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19578021	(C/T)
22984	CakSNP22984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19580031	(C/G)
22985	CakSNP22985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19583318	(G/A)
22986	CakSNP22986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19584237	(C/G)
22987	CakSNP22987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19592563	(A/C)
22988	CakSNP22988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19594005	(A/T)
22989	CakSNP22989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19594048	(G/C)
22990	CakSNP22990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19596700	(C/G)
22991	CakSNP22991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19596703	(G/A)
22992	CakSNP22992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19596726	(G/C)
22993	CakSNP22993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19599063	(G/A)
22994	CakSNP22994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19607491	(A/C)
22995	CakSNP22995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19607505	(G/C)
22996	CakSNP22996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19607787	(T/C)
22997	CakSNP22997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19607832	(G/A)
22998	CakSNP22998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19609996	(C/T)
22999	CakSNP22999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19610895	(C/G)
23000	CakSNP23000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19613068	(C/T)
23001	CakSNP23001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19629262	(A/C)
23002	CakSNP23002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19630852	(G/A)
23003	CakSNP23003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19632166	(T/C)
23004	CakSNP23004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19632919	(C/T)
23005	CakSNP23005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19634087	(T/C)
23006	CakSNP23006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19640222	(A/G)
23007	CakSNP23007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19640228	(C/T)
23008	CakSNP23008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19645993	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23009	CakSNP23009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19652525	(G/A)
23010	CakSNP23010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19657004	(G/A)
23011	CakSNP23011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19658542	(T/C)
23012	CakSNP23012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19659001	(T/C)
23013	CakSNP23013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19661154	(C/G)
23014	CakSNP23014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19664674	(T/A)
23015	CakSNP23015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19664737	(T/G)
23016	CakSNP23016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19666531	(A/C)
23017	CakSNP23017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19666855	(A/G)
23018	CakSNP23018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19666861	(C/A)
23019	CakSNP23019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19670099	(G/C)
23020	CakSNP23020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19687054	(T/C)
23021	CakSNP23021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19692882	(G/T)
23022	CakSNP23022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19692883	(A/C)
23023	CakSNP23023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19694833	(A/G)
23024	CakSNP23024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19694872	(G/T)
23025	CakSNP23025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19695841	(C/T)
23026	CakSNP23026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19695891	(C/T)
23027	CakSNP23027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19699736	(G/A)
23028	CakSNP23028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19713310	(A/G)
23029	CakSNP23029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19713350	(T/C)
23030	CakSNP23030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19715189	(C/G)
23031	CakSNP23031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19715195	(C/T)
23032	CakSNP23032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19720566	(C/G)
23033	CakSNP23033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19720598	(T/A)
23034	CakSNP23034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19721704	(G/A)
23035	CakSNP23035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19721717	(C/T)
23036	CakSNP23036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19728777	(G/A)
23037	CakSNP23037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19728792	(A/G)
23038	CakSNP23038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19731087	(C/G)
23039	CakSNP23039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19734795	(G/A)
23040	CakSNP23040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19734828	(C/G)
23041	CakSNP23041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19738169	(A/C)
23042	CakSNP23042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19741005	(T/G)
23043	CakSNP23043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19744691	(C/T)
23044	CakSNP23044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19750612	(G/A)
23045	CakSNP23045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19756173	(A/G)
23046	CakSNP23046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19761671	(G/A)
23047	CakSNP23047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19761695	(A/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23048	CakSNP23048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19762343	(C/T)
23049	CakSNP23049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19762346	(T/C)
23050	CakSNP23050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19764134	(G/C)
23051	CakSNP23051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19769234	(G/T)
23052	CakSNP23052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19774332	(C/T)
23053	CakSNP23053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19776405	(T/G)
23054	CakSNP23054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19776889	(T/G)
23055	CakSNP23055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19781120	(C/T)
23056	CakSNP23056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19788782	(A/G)
23057	CakSNP23057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19788806	(C/G)
23058	CakSNP23058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19793263	(G/A)
23059	CakSNP23059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19794417	(A/G)
23060	CakSNP23060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19797482	(C/T)
23061	CakSNP23061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19797497	(T/C)
23062	CakSNP23062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19806614	(T/G)
23063	CakSNP23063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19806651	(G/C)
23064	CakSNP23064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19808095	(A/C)
23065	CakSNP23065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19808101	(A/G)
23066	CakSNP23066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19814186	(C/A)
23067	CakSNP23067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19825655	(A/G)
23068	CakSNP23068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19825684	(C/G)
23069	CakSNP23069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19831346	(T/C)
23070	CakSNP23070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19831394	(A/G)
23071	CakSNP23071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19833191	(C/T)
23072	CakSNP23072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19835711	(C/T)
23073	CakSNP23073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19837847	(T/C)
23074	CakSNP23074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19837862	(C/A)
23075	CakSNP23075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19838759	(T/C)
23076	CakSNP23076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19842335	(T/G)
23077	CakSNP23077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19842348	(G/A)
23078	CakSNP23078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19848450	(G/C)
23079	CakSNP23079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19848471	(T/C)
23080	CakSNP23080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19852642	(C/T)
23081	CakSNP23081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19852670	(C/G)
23082	CakSNP23082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19857655	(C/T)
23083	CakSNP23083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19857667	(T/C)
23084	CakSNP23084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19858311	(C/G)
23085	CakSNP23085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19858321	(G/C)
23086	CakSNP23086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19866905	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23087	CakSNP23087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19873840	(C/A)
23088	CakSNP23088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19873946	(T/C)
23089	CakSNP23089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19875607	(T/C)
23090	CakSNP23090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19878301	(T/A)
23091	CakSNP23091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19878370	(C/T)
23092	CakSNP23092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19879644	(A/G)
23093	CakSNP23093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19879658	(C/T)
23094	CakSNP23094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19880110	(G/A)
23095	CakSNP23095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19888886	(T/G)
23096	CakSNP23096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19895426	(C/T)
23097	CakSNP23097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19895429	(C/T)
23098	CakSNP23098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19896219	(A/G)
23099	CakSNP23099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19897592	(A/G)
23100	CakSNP23100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19898670	(C/T)
23101	CakSNP23101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19900442	(G/A)
23102	CakSNP23102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19901441	(A/G)
23103	CakSNP23103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19904162	(G/C)
23104	CakSNP23104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19906133	(C/T)
23105	CakSNP23105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19906160	(C/G)
23106	CakSNP23106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19913298	(A/G)
23107	CakSNP23107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19913325	(T/G)
23108	CakSNP23108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19917542	(T/C)
23109	CakSNP23109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19917611	(T/G)
23110	CakSNP23110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19917912	(C/T)
23111	CakSNP23111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19917922	(G/A)
23112	CakSNP23112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19919217	(T/C)
23113	CakSNP23113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19919234	(G/C)
23114	CakSNP23114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19921011	(C/A)
23115	CakSNP23115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19921041	(A/G)
23116	CakSNP23116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19926525	(G/C)
23117	CakSNP23117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19931580	(C/A)
23118	CakSNP23118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19931658	(C/G)
23119	CakSNP23119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19937324	(G/A)
23120	CakSNP23120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19937333	(G/C)
23121	CakSNP23121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19938269	(C/T)
23122	CakSNP23122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19942267	(A/C)
23123	CakSNP23123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19945803	(G/T)
23124	CakSNP23124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19948365	(C/G)
23125	CakSNP23125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19948387	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23126	CakSNP23126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19948522	(C/T)
23127	CakSNP23127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19948538	(T/A)
23128	CakSNP23128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19952071	(T/A)
23129	CakSNP23129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19953836	(C/T)
23130	CakSNP23130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19953839	(T/G)
23131	CakSNP23131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19954188	(C/G)
23132	CakSNP23132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19955948	(G/C)
23133	CakSNP23133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19956797	(C/T)
23134	CakSNP23134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19958097	(C/G)
23135	CakSNP23135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19958902	(A/G)
23136	CakSNP23136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19963409	(G/A)
23137	CakSNP23137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19968457	(G/A)
23138	CakSNP23138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19975434	(T/A)
23139	CakSNP23139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19975893	(G/A)
23140	CakSNP23140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19975905	(G/C)
23141	CakSNP23141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19984691	(C/T)
23142	CakSNP23142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19989240	(G/A)
23143	CakSNP23143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19989273	(A/G)
23144	CakSNP23144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19997189	(A/C)
23145	CakSNP23145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19997192	(C/G)
23146	CakSNP23146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	19998340	(T/C)
23147	CakSNP23147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20000681	(G/A)
23148	CakSNP23148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20000697	(T/C)
23149	CakSNP23149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20000708	(T/C)
23150	CakSNP23150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20005079	(G/A)
23151	CakSNP23151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20017910	(C/G)
23152	CakSNP23152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20017928	(T/C)
23153	CakSNP23153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20018908	(C/G)
23154	CakSNP23154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20018920	(C/T)
23155	CakSNP23155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20024896	(C/G)
23156	CakSNP23156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20024947	(C/A)
23157	CakSNP23157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20025608	(A/G)
23158	CakSNP23158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20025654	(G/A)
23159	CakSNP23159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20026305	(T/C)
23160	CakSNP23160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20027451	(G/C)
23161	CakSNP23161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20035598	(C/T)
23162	CakSNP23162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20035633	(G/C)
23163	CakSNP23163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20038648	(G/C)
23164	CakSNP23164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20038704	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23165	CakSNP23165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20040215	(T/A)
23166	CakSNP23166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20042344	(T/C)
23167	CakSNP23167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20044804	(C/G)
23168	CakSNP23168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20044831	(C/T)
23169	CakSNP23169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20048966	(G/A)
23170	CakSNP23170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20056233	(G/C)
23171	CakSNP23171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20063573	(G/A)
23172	CakSNP23172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20068026	(G/C)
23173	CakSNP23173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20069077	(C/G)
23174	CakSNP23174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20074843	(C/A)
23175	CakSNP23175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20078987	(G/T)
23176	CakSNP23176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20081620	(C/A)
23177	CakSNP23177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20083394	(T/A)
23178	CakSNP23178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20083396	(T/C)
23179	CakSNP23179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20085531	(T/C)
23180	CakSNP23180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20085546	(G/T)
23181	CakSNP23181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20087213	(T/C)
23182	CakSNP23182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20087214	(T/G)
23183	CakSNP23183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20101340	(C/G)
23184	CakSNP23184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20104647	(A/C)
23185	CakSNP23185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20104648	(G/C)
23186	CakSNP23186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20110626	(G/T)
23187	CakSNP23187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20110644	(C/T)
23188	CakSNP23188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20116483	(C/T)
23189	CakSNP23189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20119877	(A/G)
23190	CakSNP23190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20123545	(T/C)
23191	CakSNP23191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20123553	(A/G)
23192	CakSNP23192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20126594	(T/G)
23193	CakSNP23193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20126610	(G/C)
23194	CakSNP23194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20129287	(A/G)
23195	CakSNP23195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20129288	(A/T)
23196	CakSNP23196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20129305	(C/G)
23197	CakSNP23197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20131006	(G/A)
23198	CakSNP23198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20131170	(A/T)
23199	CakSNP23199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20134798	(A/C)
23200	CakSNP23200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20136511	(A/G)
23201	CakSNP23201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20137771	(G/A)
23202	CakSNP23202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20141248	(C/G)
23203	CakSNP23203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20142644	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23204	CakSNP23204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20145625	(A/G)
23205	CakSNP23205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20145669	(C/G)
23206	CakSNP23206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20145687	(G/T)
23207	CakSNP23207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20150919	(C/T)
23208	CakSNP23208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20152100	(A/T)
23209	CakSNP23209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20156472	(T/C)
23210	CakSNP23210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20157125	(G/A)
23211	CakSNP23211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20157152	(T/C)
23212	CakSNP23212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20158810	(T/C)
23213	CakSNP23213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20159644	(T/C)
23214	CakSNP23214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20159683	(G/T)
23215	CakSNP23215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20161993	(T/C)
23216	CakSNP23216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20162803	(C/T)
23217	CakSNP23217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20162851	(C/T)
23218	CakSNP23218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20164653	(T/C)
23219	CakSNP23219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20164656	(G/A)
23220	CakSNP23220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20170406	(A/G)
23221	CakSNP23221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20170473	(A/C)
23222	CakSNP23222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20180858	(T/G)
23223	CakSNP23223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20194916	(G/C)
23224	CakSNP23224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20194934	(A/C)
23225	CakSNP23225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20196346	(T/C)
23226	CakSNP23226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20200393	(T/C)
23227	CakSNP23227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20202734	(A/T)
23228	CakSNP23228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20202761	(A/G)
23229	CakSNP23229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20212724	(A/G)
23230	CakSNP23230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20212763	(G/A)
23231	CakSNP23231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20219887	(G/A)
23232	CakSNP23232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20220084	(G/A)
23233	CakSNP23233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20220098	(C/G)
23234	CakSNP23234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20230591	(C/T)
23235	CakSNP23235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20230657	(C/T)
23236	CakSNP23236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20236388	(A/G)
23237	CakSNP23237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20240633	(T/G)
23238	CakSNP23238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20240645	(C/G)
23239	CakSNP23239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20241466	(T/C)
23240	CakSNP23240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20241469	(G/A)
23241	CakSNP23241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20244579	(G/A)
23242	CakSNP23242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20249119	(C/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23243	CakSNP23243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20249316	(T/C)
23244	CakSNP23244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20249645	(T/C)
23245	CakSNP23245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20249668	(C/A)
23246	CakSNP23246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20257527	(C/G)
23247	CakSNP23247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20257528	(G/A)
23248	CakSNP23248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20260076	(C/G)
23249	CakSNP23249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20260108	(G/A)
23250	CakSNP23250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20264839	(T/C)
23251	CakSNP23251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20269376	(C/T)
23252	CakSNP23252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20269682	(T/G)
23253	CakSNP23253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20272800	(A/C)
23254	CakSNP23254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20272866	(C/G)
23255	CakSNP23255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20274219	(C/T)
23256	CakSNP23256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20281838	(T/G)
23257	CakSNP23257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20283791	(G/A)
23258	CakSNP23258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20286365	(C/T)
23259	CakSNP23259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20286656	(G/A)
23260	CakSNP23260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20287498	(C/T)
23261	CakSNP23261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20287522	(T/C)
23262	CakSNP23262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20295694	(T/C)
23263	CakSNP23263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20295877	(A/G)
23264	CakSNP23264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20297276	(C/G)
23265	CakSNP23265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20297287	(T/C)
23266	CakSNP23266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20304659	(G/C)
23267	CakSNP23267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20307614	(C/T)
23268	CakSNP23268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20308015	(C/T)
23269	CakSNP23269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20309478	(T/C)
23270	CakSNP23270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20309524	(C/T)
23271	CakSNP23271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20309582	(A/C)
23272	CakSNP23272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20313491	(T/C)
23273	CakSNP23273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20317455	(G/T)
23274	CakSNP23274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20318783	(C/T)
23275	CakSNP23275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20319883	(T/G)
23276	CakSNP23276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20321059	(T/G)
23277	CakSNP23277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20333539	(G/T)
23278	CakSNP23278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20333593	(G/C)
23279	CakSNP23279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20338885	(G/A)
23280	CakSNP23280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20339572	(A/T)
23281	CakSNP23281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20355762	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23282	CakSNP23282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20359839	(A/G)
23283	CakSNP23283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20360563	(C/T)
23284	CakSNP23284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20362457	(C/T)
23285	CakSNP23285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20367494	(C/T)
23286	CakSNP23286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20368379	(A/T)
23287	CakSNP23287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20370821	(T/C)
23288	CakSNP23288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20375797	(A/G)
23289	CakSNP23289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20375808	(G/A)
23290	CakSNP23290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20380039	(G/C)
23291	CakSNP23291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20386266	(G/A)
23292	CakSNP23292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20386332	(A/G)
23293	CakSNP23293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20393328	(C/T)
23294	CakSNP23294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20396493	(A/G)
23295	CakSNP23295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20407673	(G/C)
23296	CakSNP23296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20407694	(C/G)
23297	CakSNP23297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20411690	(A/G)
23298	CakSNP23298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20416894	(G/A)
23299	CakSNP23299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20416922	(T/C)
23300	CakSNP23300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20418994	(G/A)
23301	CakSNP23301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20424469	(A/G)
23302	CakSNP23302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20424475	(T/G)
23303	CakSNP23303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20426830	(C/G)
23304	CakSNP23304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20426890	(G/C)
23305	CakSNP23305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20450527	(C/T)
23306	CakSNP23306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20450551	(T/C)
23307	CakSNP23307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20462740	(T/C)
23308	CakSNP23308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20463827	(T/C)
23309	CakSNP23309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20463839	(C/T)
23310	CakSNP23310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20464124	(C/T)
23311	CakSNP23311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20464330	(G/T)
23312	CakSNP23312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20464352	(G/A)
23313	CakSNP23313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20466839	(C/T)
23314	CakSNP23314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20471359	(G/C)
23315	CakSNP23315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20473596	(G/A)
23316	CakSNP23316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20473597	(T/C)
23317	CakSNP23317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20474659	(A/G)
23318	CakSNP23318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20474660	(G/A)
23319	CakSNP23319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20486435	(C/A)
23320	CakSNP23320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20486468	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23321	CakSNP23321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20490102	(C/A)
23322	CakSNP23322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20501163	(C/T)
23323	CakSNP23323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20511427	(A/C)
23324	CakSNP23324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20511808	(G/A)
23325	CakSNP23325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20516470	(C/T)
23326	CakSNP23326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20517433	(C/T)
23327	CakSNP23327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20522644	(C/T)
23328	CakSNP23328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20522665	(T/A)
23329	CakSNP23329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20541587	(C/G)
23330	CakSNP23330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20542211	(A/G)
23331	CakSNP23331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20546414	(A/G)
23332	CakSNP23332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20546702	(G/A)
23333	CakSNP23333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20546714	(G/A)
23334	CakSNP23334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20549051	(C/G)
23335	CakSNP23335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20554469	(G/T)
23336	CakSNP23336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20555467	(T/G)
23337	CakSNP23337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20555488	(T/C)
23338	CakSNP23338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20567620	(G/T)
23339	CakSNP23339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20567674	(G/C)
23340	CakSNP23340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20568646	(A/G)
23341	CakSNP23341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20569289	(G/A)
23342	CakSNP23342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20571818	(T/C)
23343	CakSNP23343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20571867	(C/A)
23344	CakSNP23344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20577212	(G/A)
23345	CakSNP23345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20577218	(C/T)
23346	CakSNP23346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20581578	(G/A)
23347	CakSNP23347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20584509	(T/C)
23348	CakSNP23348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20588181	(G/C)
23349	CakSNP23349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20588184	(T/C)
23350	CakSNP23350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20588933	(A/G)
23351	CakSNP23351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20588955	(C/T)
23352	CakSNP23352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20591069	(C/T)
23353	CakSNP23353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20591637	(G/A)
23354	CakSNP23354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20591679	(C/G)
23355	CakSNP23355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20597291	(C/T)
23356	CakSNP23356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20603510	(C/G)
23357	CakSNP23357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20608014	(T/C)
23358	CakSNP23358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20608016	(G/C)
23359	CakSNP23359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20608286	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23360	CakSNP23360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20608691	(A/G)
23361	CakSNP23361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20610844	(G/A)
23362	CakSNP23362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20618225	(C/A)
23363	CakSNP23363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20620363	(T/C)
23364	CakSNP23364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20621301	(A/G)
23365	CakSNP23365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20622012	(G/A)
23366	CakSNP23366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20624246	(T/C)
23367	CakSNP23367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20624249	(A/G)
23368	CakSNP23368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20626274	(T/C)
23369	CakSNP23369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20626284	(G/A)
23370	CakSNP23370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20629298	(G/A)
23371	CakSNP23371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20629762	(T/C)
23372	CakSNP23372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20629816	(C/T)
23373	CakSNP23373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20629867	(T/C)
23374	CakSNP23374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20631581	(A/C)
23375	CakSNP23375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20632830	(A/T)
23376	CakSNP23376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20632874	(G/A)
23377	CakSNP23377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20644947	(G/A)
23378	CakSNP23378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20647462	(G/A)
23379	CakSNP23379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20647463	(T/A)
23380	CakSNP23380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20649939	(C/T)
23381	CakSNP23381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20649985	(G/A)
23382	CakSNP23382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20651807	(T/C)
23383	CakSNP23383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20652253	(G/A)
23384	CakSNP23384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20652319	(C/G)
23385	CakSNP23385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20655181	(A/G)
23386	CakSNP23386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20655205	(C/T)
23387	CakSNP23387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20658706	(G/C)
23388	CakSNP23388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20659695	(A/G)
23389	CakSNP23389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20660543	(A/G)
23390	CakSNP23390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20661734	(G/A)
23391	CakSNP23391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20663129	(C/T)
23392	CakSNP23392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20663431	(A/G)
23393	CakSNP23393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20663481	(G/C)
23394	CakSNP23394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20664732	(A/G)
23395	CakSNP23395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20666474	(G/A)
23396	CakSNP23396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20666533	(T/C)
23397	CakSNP23397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20671435	(G/T)
23398	CakSNP23398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20671438	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23399	CakSNP23399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20671699	(G/A)
23400	CakSNP23400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20674290	(T/C)
23401	CakSNP23401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20674470	(G/T)
23402	CakSNP23402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20674471	(G/T)
23403	CakSNP23403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20674987	(G/T)
23404	CakSNP23404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20675794	(T/G)
23405	CakSNP23405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20675819	(T/G)
23406	CakSNP23406	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20676549	(T/C)
23407	CakSNP23407	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20679128	(T/G)
23408	CakSNP23408	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20681826	(C/T)
23409	CakSNP23409	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20681874	(G/C)
23410	CakSNP23410	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20682581	(T/C)
23411	CakSNP23411	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20682638	(C/T)
23412	CakSNP23412	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20692335	(G/C)
23413	CakSNP23413	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20692407	(A/C)
23414	CakSNP23414	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20693892	(G/T)
23415	CakSNP23415	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20697315	(A/G)
23416	CakSNP23416	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20698586	(G/T)
23417	CakSNP23417	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20702486	(G/C)
23418	CakSNP23418	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20702493	(C/G)
23419	CakSNP23419	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20706779	(G/T)
23420	CakSNP23420	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20706816	(A/T)
23421	CakSNP23421	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20710940	(G/A)
23422	CakSNP23422	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20712713	(G/C)
23423	CakSNP23423	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20712728	(C/T)
23424	CakSNP23424	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20713275	(G/A)
23425	CakSNP23425	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20715271	(G/A)
23426	CakSNP23426	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20720557	(A/G)
23427	CakSNP23427	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20723873	(C/G)
23428	CakSNP23428	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20723876	(A/G)
23429	CakSNP23429	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20725341	(A/G)
23430	CakSNP23430	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20725359	(C/G)
23431	CakSNP23431	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20727759	(C/G)
23432	CakSNP23432	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20727764	(G/C)
23433	CakSNP23433	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20740597	(A/G)
23434	CakSNP23434	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20740642	(C/G)
23435	CakSNP23435	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20743843	(A/G)
23436	CakSNP23436	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20760598	(T/G)
23437	CakSNP23437	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20765039	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23438	CakSNP23438	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20765041	(A/G)
23439	CakSNP23439	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20773882	(C/A)
23440	CakSNP23440	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20777272	(G/T)
23441	CakSNP23441	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20777274	(T/C)
23442	CakSNP23442	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20782360	(T/C)
23443	CakSNP23443	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20789033	(T/C)
23444	CakSNP23444	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20790116	(A/C)
23445	CakSNP23445	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20790127	(C/T)
23446	CakSNP23446	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20800334	(G/C)
23447	CakSNP23447	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20801433	(G/A)
23448	CakSNP23448	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20801457	(A/C)
23449	CakSNP23449	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20806916	(G/A)
23450	CakSNP23450	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20820671	(G/A)
23451	CakSNP23451	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20820733	(T/C)
23452	CakSNP23452	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20822191	(C/G)
23453	CakSNP23453	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20827366	(C/G)
23454	CakSNP23454	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20827408	(C/G)
23455	CakSNP23455	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20828077	(G/T)
23456	CakSNP23456	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20840036	(A/T)
23457	CakSNP23457	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20848569	(C/T)
23458	CakSNP23458	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20850730	(C/G)
23459	CakSNP23459	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20858746	(C/T)
23460	CakSNP23460	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20858776	(G/T)
23461	CakSNP23461	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20859779	(C/G)
23462	CakSNP23462	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20859806	(A/C)
23463	CakSNP23463	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20865497	(C/T)
23464	CakSNP23464	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20869412	(A/G)
23465	CakSNP23465	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20870518	(G/T)
23466	CakSNP23466	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20870556	(T/C)
23467	CakSNP23467	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20877900	(G/C)
23468	CakSNP23468	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20881291	(A/C)
23469	CakSNP23469	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20889434	(C/T)
23470	CakSNP23470	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20889463	(A/G)
23471	CakSNP23471	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20890276	(G/A)
23472	CakSNP23472	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20890735	(C/G)
23473	CakSNP23473	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20891812	(G/T)
23474	CakSNP23474	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20896658	(T/C)
23475	CakSNP23475	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20899817	(G/A)
23476	CakSNP23476	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20899873	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23477	CakSNP23477	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20901410	(G/A)
23478	CakSNP23478	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20902136	(G/T)
23479	CakSNP23479	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20902138	(C/G)
23480	CakSNP23480	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20905216	(C/G)
23481	CakSNP23481	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20909680	(A/G)
23482	CakSNP23482	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20918685	(A/G)
23483	CakSNP23483	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20920301	(T/C)
23484	CakSNP23484	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20927066	(C/T)
23485	CakSNP23485	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20927075	(C/G)
23486	CakSNP23486	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20930235	(A/G)
23487	CakSNP23487	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20931160	(C/G)
23488	CakSNP23488	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20932009	(C/G)
23489	CakSNP23489	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20932069	(A/G)
23490	CakSNP23490	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20935272	(C/T)
23491	CakSNP23491	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20939058	(G/A)
23492	CakSNP23492	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20942369	(T/G)
23493	CakSNP23493	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20943817	(C/G)
23494	CakSNP23494	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20943829	(C/T)
23495	CakSNP23495	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20947352	(G/A)
23496	CakSNP23496	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20952554	(G/C)
23497	CakSNP23497	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20954312	(C/T)
23498	CakSNP23498	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20954315	(T/C)
23499	CakSNP23499	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20956282	(G/C)
23500	CakSNP23500	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20956459	(C/T)
23501	CakSNP23501	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20957959	(T/C)
23502	CakSNP23502	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20959789	(T/A)
23503	CakSNP23503	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20962222	(G/A)
23504	CakSNP23504	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20962285	(A/G)
23505	CakSNP23505	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20967037	(G/A)
23506	CakSNP23506	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20975342	(A/G)
23507	CakSNP23507	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20976175	(G/A)
23508	CakSNP23508	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20976187	(A/G)
23509	CakSNP23509	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20976285	(G/A)
23510	CakSNP23510	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20978728	(G/A)
23511	CakSNP23511	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20980830	(T/C)
23512	CakSNP23512	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20980872	(T/C)
23513	CakSNP23513	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20982688	(A/G)
23514	CakSNP23514	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20982709	(G/T)
23515	CakSNP23515	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20986531	(C/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23516	CakSNP23516	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20987836	(A/G)
23517	CakSNP23517	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20990243	(A/G)
23518	CakSNP23518	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20990278	(C/A)
23519	CakSNP23519	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20994487	(A/G)
23520	CakSNP23520	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20994648	(A/C)
23521	CakSNP23521	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20994656	(T/C)
23522	CakSNP23522	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	20996617	(A/G)
23523	CakSNP23523	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21002777	(T/C)
23524	CakSNP23524	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21005000	(G/A)
23525	CakSNP23525	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21005039	(G/A)
23526	CakSNP23526	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21005600	(G/C)
23527	CakSNP23527	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21005601	(C/T)
23528	CakSNP23528	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21008057	(T/G)
23529	CakSNP23529	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21008099	(G/C)
23530	CakSNP23530	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21008633	(A/C)
23531	CakSNP23531	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21008674	(C/G)
23532	CakSNP23532	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21012356	(C/T)
23533	CakSNP23533	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21012365	(C/T)
23534	CakSNP23534	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21017170	(C/G)
23535	CakSNP23535	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21017204	(G/A)
23536	CakSNP23536	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21017243	(A/G)
23537	CakSNP23537	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21020518	(G/A)
23538	CakSNP23538	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21020548	(A/T)
23539	CakSNP23539	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21024546	(T/C)
23540	CakSNP23540	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21030016	(C/T)
23541	CakSNP23541	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21044341	(C/T)
23542	CakSNP23542	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21047977	(T/C)
23543	CakSNP23543	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21061094	(T/A)
23544	CakSNP23544	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21068365	(G/C)
23545	CakSNP23545	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21068404	(G/T)
23546	CakSNP23546	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21071286	(C/T)
23547	CakSNP23547	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21077257	(A/G)
23548	CakSNP23548	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21077281	(T/C)
23549	CakSNP23549	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21082230	(G/T)
23550	CakSNP23550	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21082236	(G/T)
23551	CakSNP23551	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21082241	(T/G)
23552	CakSNP23552	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21082258	(T/G)
23553	CakSNP23553	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21084346	(T/G)
23554	CakSNP23554	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21084718	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23555	CakSNP23555	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21084761	(A/G)
23556	CakSNP23556	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21090649	(T/C)
23557	CakSNP23557	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21090888	(C/G)
23558	CakSNP23558	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21090964	(T/G)
23559	CakSNP23559	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21090985	(G/A)
23560	CakSNP23560	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21100610	(C/T)
23561	CakSNP23561	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21106642	(C/A)
23562	CakSNP23562	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21106699	(A/C)
23563	CakSNP23563	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21110848	(T/C)
23564	CakSNP23564	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21113900	(T/C)
23565	CakSNP23565	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21115327	(A/G)
23566	CakSNP23566	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21115333	(A/G)
23567	CakSNP23567	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21117191	(C/A)
23568	CakSNP23568	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21117193	(A/G)
23569	CakSNP23569	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21126652	(G/A)
23570	CakSNP23570	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21126679	(A/G)
23571	CakSNP23571	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21134870	(G/C)
23572	CakSNP23572	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21144962	(T/A)
23573	CakSNP23573	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21144985	(C/A)
23574	CakSNP23574	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21147449	(T/C)
23575	CakSNP23575	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21150332	(C/T)
23576	CakSNP23576	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21154187	(C/T)
23577	CakSNP23577	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21158231	(C/G)
23578	CakSNP23578	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21160880	(G/A)
23579	CakSNP23579	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21162260	(T/C)
23580	CakSNP23580	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21162266	(A/G)
23581	CakSNP23581	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21169177	(C/T)
23582	CakSNP23582	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21173866	(C/A)
23583	CakSNP23583	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21176854	(A/G)
23584	CakSNP23584	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21176884	(G/A)
23585	CakSNP23585	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21178432	(G/A)
23586	CakSNP23586	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21179437	(A/G)
23587	CakSNP23587	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21179446	(C/G)
23588	CakSNP23588	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21181786	(T/C)
23589	CakSNP23589	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21184619	(T/C)
23590	CakSNP23590	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21184628	(T/C)
23591	CakSNP23591	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21186065	(G/A)
23592	CakSNP23592	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21186539	(G/T)
23593	CakSNP23593	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21190874	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23594	CakSNP23594	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21194997	(C/T)
23595	CakSNP23595	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21199835	(G/C)
23596	CakSNP23596	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21200833	(T/G)
23597	CakSNP23597	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21204235	(G/C)
23598	CakSNP23598	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21208112	(C/A)
23599	CakSNP23599	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21208135	(A/G)
23600	CakSNP23600	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21213971	(C/T)
23601	CakSNP23601	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21221451	(T/G)
23602	CakSNP23602	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21225048	(C/G)
23603	CakSNP23603	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21225421	(G/C)
23604	CakSNP23604	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21231167	(T/G)
23605	CakSNP23605	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21232376	(C/T)
23606	CakSNP23606	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21232394	(C/T)
23607	CakSNP23607	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21244441	(C/T)
23608	CakSNP23608	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21250052	(G/A)
23609	CakSNP23609	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21250842	(G/A)
23610	CakSNP23610	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21251182	(T/G)
23611	CakSNP23611	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21254233	(T/C)
23612	CakSNP23612	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21255077	(G/A)
23613	CakSNP23613	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21255104	(G/C)
23614	CakSNP23614	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21256294	(T/C)
23615	CakSNP23615	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21262614	(C/G)
23616	CakSNP23616	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21262652	(T/C)
23617	CakSNP23617	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21267786	(A/G)
23618	CakSNP23618	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21270928	(G/A)
23619	CakSNP23619	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21271173	(G/A)
23620	CakSNP23620	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21271385	(C/A)
23621	CakSNP23621	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21272775	(A/G)
23622	CakSNP23622	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21277217	(C/T)
23623	CakSNP23623	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21277218	(C/T)
23624	CakSNP23624	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21279072	(C/T)
23625	CakSNP23625	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21279083	(A/G)
23626	CakSNP23626	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21282944	(G/A)
23627	CakSNP23627	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21283436	(C/T)
23628	CakSNP23628	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21284173	(C/G)
23629	CakSNP23629	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21295065	(G/C)
23630	CakSNP23630	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21295070	(T/C)
23631	CakSNP23631	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21296946	(T/A)
23632	CakSNP23632	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21296983	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23633	CakSNP23633	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21298616	(T/C)
23634	CakSNP23634	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21307635	(G/A)
23635	CakSNP23635	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21308677	(T/G)
23636	CakSNP23636	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21318213	(A/C)
23637	CakSNP23637	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21329472	(A/G)
23638	CakSNP23638	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21331823	(C/A)
23639	CakSNP23639	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21331826	(C/G)
23640	CakSNP23640	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21332074	(C/T)
23641	CakSNP23641	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21332076	(A/G)
23642	CakSNP23642	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21341423	(C/T)
23643	CakSNP23643	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21341964	(T/C)
23644	CakSNP23644	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21343141	(C/T)
23645	CakSNP23645	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21344835	(G/C)
23646	CakSNP23646	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21348438	(G/A)
23647	CakSNP23647	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21348450	(T/C)
23648	CakSNP23648	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21349005	(C/A)
23649	CakSNP23649	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21351422	(A/T)
23650	CakSNP23650	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21356826	(T/C)
23651	CakSNP23651	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21356851	(C/G)
23652	CakSNP23652	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21358482	(G/A)
23653	CakSNP23653	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21358524	(C/T)
23654	CakSNP23654	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21361581	(C/T)
23655	CakSNP23655	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21366756	(G/T)
23656	CakSNP23656	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21367515	(G/C)
23657	CakSNP23657	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21367533	(T/C)
23658	CakSNP23658	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21367537	(C/A)
23659	CakSNP23659	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21372130	(G/A)
23660	CakSNP23660	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21377916	(G/A)
23661	CakSNP23661	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21377970	(T/C)
23662	CakSNP23662	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21380467	(C/T)
23663	CakSNP23663	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21381098	(G/A)
23664	CakSNP23664	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21381144	(C/A)
23665	CakSNP23665	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21384365	(C/T)
23666	CakSNP23666	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21384367	(G/A)
23667	CakSNP23667	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21385344	(T/G)
23668	CakSNP23668	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21393480	(A/G)
23669	CakSNP23669	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21393528	(G/A)
23670	CakSNP23670	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21399407	(A/T)
23671	CakSNP23671	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21399412	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23672	CakSNP23672	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21400517	(C/T)
23673	CakSNP23673	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21400573	(C/T)
23674	CakSNP23674	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21407519	(A/G)
23675	CakSNP23675	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21421791	(A/G)
23676	CakSNP23676	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21424958	(T/G)
23677	CakSNP23677	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21440438	(T/G)
23678	CakSNP23678	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21445256	(G/A)
23679	CakSNP23679	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21445286	(A/G)
23680	CakSNP23680	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21451496	(T/C)
23681	CakSNP23681	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21452183	(A/G)
23682	CakSNP23682	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21455208	(T/C)
23683	CakSNP23683	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21455244	(C/A)
23684	CakSNP23684	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21459122	(C/A)
23685	CakSNP23685	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21459187	(G/A)
23686	CakSNP23686	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21467527	(T/G)
23687	CakSNP23687	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21467545	(C/T)
23688	CakSNP23688	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21475924	(A/G)
23689	CakSNP23689	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21478754	(G/A)
23690	CakSNP23690	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21482973	(G/C)
23691	CakSNP23691	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21484952	(C/T)
23692	CakSNP23692	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21490667	(C/T)
23693	CakSNP23693	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21491669	(C/G)
23694	CakSNP23694	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21493435	(C/A)
23695	CakSNP23695	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21501063	(A/G)
23696	CakSNP23696	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21503867	(A/G)
23697	CakSNP23697	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21505441	(A/T)
23698	CakSNP23698	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21506174	(G/A)
23699	CakSNP23699	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21506198	(C/T)
23700	CakSNP23700	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21510879	(G/C)
23701	CakSNP23701	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21512410	(G/A)
23702	CakSNP23702	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21512440	(T/C)
23703	CakSNP23703	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21517339	(T/C)
23704	CakSNP23704	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21517364	(G/A)
23705	CakSNP23705	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21521543	(T/C)
23706	CakSNP23706	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21529901	(C/T)
23707	CakSNP23707	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21533729	(C/A)
23708	CakSNP23708	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21536504	(G/A)
23709	CakSNP23709	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21536561	(C/G)
23710	CakSNP23710	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21536878	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23711	CakSNP23711	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21541280	(C/T)
23712	CakSNP23712	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21541298	(C/T)
23713	CakSNP23713	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21541870	(T/C)
23714	CakSNP23714	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21549651	(C/G)
23715	CakSNP23715	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21558166	(C/T)
23716	CakSNP23716	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21559750	(A/T)
23717	CakSNP23717	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21560733	(T/G)
23718	CakSNP23718	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21561543	(G/T)
23719	CakSNP23719	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21565201	(A/G)
23720	CakSNP23720	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21565213	(A/T)
23721	CakSNP23721	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21576483	(G/A)
23722	CakSNP23722	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21577694	(T/G)
23723	CakSNP23723	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21577730	(G/A)
23724	CakSNP23724	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21577736	(A/G)
23725	CakSNP23725	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21577930	(G/T)
23726	CakSNP23726	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21587730	(C/A)
23727	CakSNP23727	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21587742	(G/C)
23728	CakSNP23728	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21588175	(C/G)
23729	CakSNP23729	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21588402	(G/T)
23730	CakSNP23730	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21588479	(A/G)
23731	CakSNP23731	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21589510	(C/A)
23732	CakSNP23732	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21591421	(C/T)
23733	CakSNP23733	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21595077	(C/T)
23734	CakSNP23734	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21595111	(C/T)
23735	CakSNP23735	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21595640	(C/G)
23736	CakSNP23736	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21611670	(T/A)
23737	CakSNP23737	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21611698	(T/G)
23738	CakSNP23738	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21633676	(C/T)
23739	CakSNP23739	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21633691	(T/C)
23740	CakSNP23740	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21651168	(C/T)
23741	CakSNP23741	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21651210	(A/G)
23742	CakSNP23742	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21652622	(C/G)
23743	CakSNP23743	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21655049	(A/C)
23744	CakSNP23744	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21655050	(G/C)
23745	CakSNP23745	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21659196	(C/G)
23746	CakSNP23746	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21664740	(T/C)
23747	CakSNP23747	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21675772	(C/T)
23748	CakSNP23748	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21676093	(C/G)
23749	CakSNP23749	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21676147	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23750	CakSNP23750	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21676158	(T/G)
23751	CakSNP23751	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21683180	(A/T)
23752	CakSNP23752	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21683186	(G/A)
23753	CakSNP23753	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21690203	(T/G)
23754	CakSNP23754	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21691850	(T/C)
23755	CakSNP23755	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21691851	(T/C)
23756	CakSNP23756	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21701022	(C/G)
23757	CakSNP23757	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21702075	(G/A)
23758	CakSNP23758	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21702811	(T/G)
23759	CakSNP23759	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21705038	(C/G)
23760	CakSNP23760	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21707912	(C/A)
23761	CakSNP23761	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21713585	(T/C)
23762	CakSNP23762	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21713624	(A/G)
23763	CakSNP23763	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21717589	(T/C)
23764	CakSNP23764	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21717626	(A/G)
23765	CakSNP23765	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21724227	(A/G)
23766	CakSNP23766	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21724237	(T/C)
23767	CakSNP23767	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21725945	(A/C)
23768	CakSNP23768	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21725951	(A/G)
23769	CakSNP23769	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21726047	(C/A)
23770	CakSNP23770	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21726056	(C/T)
23771	CakSNP23771	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21726967	(G/A)
23772	CakSNP23772	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21729583	(A/G)
23773	CakSNP23773	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21730951	(C/T)
23774	CakSNP23774	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21730966	(C/T)
23775	CakSNP23775	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21745463	(A/T)
23776	CakSNP23776	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21745487	(T/C)
23777	CakSNP23777	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21748246	(C/T)
23778	CakSNP23778	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21748466	(G/C)
23779	CakSNP23779	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21759102	(T/G)
23780	CakSNP23780	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21759330	(C/T)
23781	CakSNP23781	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21759386	(C/T)
23782	CakSNP23782	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21761283	(T/C)
23783	CakSNP23783	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21762479	(A/C)
23784	CakSNP23784	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21764026	(C/G)
23785	CakSNP23785	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21765047	(G/A)
23786	CakSNP23786	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21768651	(C/A)
23787	CakSNP23787	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21768663	(G/A)
23788	CakSNP23788	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21778525	(G/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23789	CakSNP23789	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21778543	(A/G)
23790	CakSNP23790	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21778657	(T/C)
23791	CakSNP23791	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21788450	(C/G)
23792	CakSNP23792	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21788489	(A/G)
23793	CakSNP23793	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21798025	(A/C)
23794	CakSNP23794	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21798919	(T/G)
23795	CakSNP23795	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21800681	(A/G)
23796	CakSNP23796	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21801770	(G/T)
23797	CakSNP23797	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21801797	(C/T)
23798	CakSNP23798	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21804246	(G/A)
23799	CakSNP23799	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21804254	(C/G)
23800	CakSNP23800	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21805673	(C/T)
23801	CakSNP23801	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21807860	(G/T)
23802	CakSNP23802	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21807880	(T/G)
23803	CakSNP23803	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21808391	(C/G)
23804	CakSNP23804	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21811794	(A/C)
23805	CakSNP23805	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21811800	(A/G)
23806	CakSNP23806	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21815122	(G/C)
23807	CakSNP23807	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21815146	(G/A)
23808	CakSNP23808	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21817157	(C/T)
23809	CakSNP23809	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21817167	(A/G)
23810	CakSNP23810	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21818738	(T/C)
23811	CakSNP23811	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21818765	(T/C)
23812	CakSNP23812	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21822406	(T/C)
23813	CakSNP23813	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21822476	(A/G)
23814	CakSNP23814	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21822488	(G/C)
23815	CakSNP23815	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21824609	(T/C)
23816	CakSNP23816	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21824648	(C/G)
23817	CakSNP23817	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21826085	(A/G)
23818	CakSNP23818	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21826147	(C/T)
23819	CakSNP23819	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21827387	(A/C)
23820	CakSNP23820	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21830766	(T/C)
23821	CakSNP23821	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21830792	(A/C)
23822	CakSNP23822	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21832533	(G/A)
23823	CakSNP23823	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21832563	(A/G)
23824	CakSNP23824	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21833724	(A/G)
23825	CakSNP23825	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21833757	(C/T)
23826	CakSNP23826	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21833915	(T/C)
23827	CakSNP23827	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21839422	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23828	CakSNP23828	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21842425	(C/T)
23829	CakSNP23829	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21857124	(G/A)
23830	CakSNP23830	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21860971	(C/G)
23831	CakSNP23831	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21860983	(G/T)
23832	CakSNP23832	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21862785	(A/G)
23833	CakSNP23833	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21863197	(T/G)
23834	CakSNP23834	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21863232	(A/G)
23835	CakSNP23835	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21868496	(C/T)
23836	CakSNP23836	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21876586	(T/C)
23837	CakSNP23837	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21876590	(G/C)
23838	CakSNP23838	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21876611	(G/A)
23839	CakSNP23839	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21880120	(C/T)
23840	CakSNP23840	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21880140	(G/C)
23841	CakSNP23841	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21882551	(C/T)
23842	CakSNP23842	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21883006	(C/G)
23843	CakSNP23843	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21883012	(G/T)
23844	CakSNP23844	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21885351	(G/C)
23845	CakSNP23845	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21886844	(G/A)
23846	CakSNP23846	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21886849	(C/T)
23847	CakSNP23847	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21888586	(G/A)
23848	CakSNP23848	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21893756	(C/T)
23849	CakSNP23849	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21894934	(T/C)
23850	CakSNP23850	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21894955	(A/G)
23851	CakSNP23851	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21898260	(G/A)
23852	CakSNP23852	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21898280	(A/G)
23853	CakSNP23853	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21903472	(C/G)
23854	CakSNP23854	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21903496	(T/C)
23855	CakSNP23855	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21905287	(A/G)
23856	CakSNP23856	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21905310	(G/A)
23857	CakSNP23857	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21907451	(A/C)
23858	CakSNP23858	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21907453	(A/C)
23859	CakSNP23859	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21913758	(T/C)
23860	CakSNP23860	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21915275	(G/A)
23861	CakSNP23861	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21915344	(A/T)
23862	CakSNP23862	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21916354	(G/C)
23863	CakSNP23863	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21916363	(G/C)
23864	CakSNP23864	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21917642	(C/T)
23865	CakSNP23865	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21923496	(C/T)
23866	CakSNP23866	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21926068	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23867	CakSNP23867	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21929425	(G/A)
23868	CakSNP23868	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21931570	(C/T)
23869	CakSNP23869	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21931574	(C/G)
23870	CakSNP23870	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21933266	(G/C)
23871	CakSNP23871	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21943045	(C/T)
23872	CakSNP23872	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21943062	(C/T)
23873	CakSNP23873	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21944105	(T/G)
23874	CakSNP23874	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21947457	(T/C)
23875	CakSNP23875	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21959356	(C/T)
23876	CakSNP23876	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21959383	(T/C)
23877	CakSNP23877	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21959872	(G/T)
23878	CakSNP23878	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21968331	(A/G)
23879	CakSNP23879	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21968856	(T/C)
23880	CakSNP23880	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21968860	(A/G)
23881	CakSNP23881	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21976577	(G/A)
23882	CakSNP23882	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21976623	(C/A)
23883	CakSNP23883	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21978703	(A/C)
23884	CakSNP23884	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21978727	(A/C)
23885	CakSNP23885	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21983999	(A/G)
23886	CakSNP23886	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984023	(A/G)
23887	CakSNP23887	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984026	(G/A)
23888	CakSNP23888	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984665	(A/T)
23889	CakSNP23889	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984673	(T/C)
23890	CakSNP23890	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984871	(A/G)
23891	CakSNP23891	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21984916	(A/G)
23892	CakSNP23892	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21993694	(A/G)
23893	CakSNP23893	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21993700	(A/C)
23894	CakSNP23894	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21995519	(T/G)
23895	CakSNP23895	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21999081	(C/G)
23896	CakSNP23896	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	21999091	(G/T)
23897	CakSNP23897	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22001325	(C/A)
23898	CakSNP23898	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22001329	(G/A)
23899	CakSNP23899	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22003126	(A/G)
23900	CakSNP23900	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22005228	(A/G)
23901	CakSNP23901	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22010799	(C/A)
23902	CakSNP23902	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22010803	(A/C)
23903	CakSNP23903	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22011716	(T/G)
23904	CakSNP23904	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22011794	(C/T)
23905	CakSNP23905	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22016922	(A/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23906	CakSNP23906	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22020149	(C/T)
23907	CakSNP23907	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22020151	(G/A)
23908	CakSNP23908	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22026815	(G/A)
23909	CakSNP23909	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22027645	(C/T)
23910	CakSNP23910	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22028368	(C/T)
23911	CakSNP23911	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22028371	(A/G)
23912	CakSNP23912	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22028386	(T/C)
23913	CakSNP23913	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22028745	(T/G)
23914	CakSNP23914	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22031438	(T/G)
23915	CakSNP23915	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22040585	(G/T)
23916	CakSNP23916	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22044687	(C/T)
23917	CakSNP23917	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22048634	(C/A)
23918	CakSNP23918	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22048658	(G/A)
23919	CakSNP23919	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22054161	(A/G)
23920	CakSNP23920	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22057228	(T/C)
23921	CakSNP23921	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22059344	(C/G)
23922	CakSNP23922	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22059356	(A/G)
23923	CakSNP23923	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22070684	(T/G)
23924	CakSNP23924	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22071511	(G/A)
23925	CakSNP23925	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22072977	(T/G)
23926	CakSNP23926	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22074563	(A/T)
23927	CakSNP23927	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22078330	(T/C)
23928	CakSNP23928	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22078518	(T/C)
23929	CakSNP23929	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22078563	(G/C)
23930	CakSNP23930	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22082588	(T/C)
23931	CakSNP23931	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22082621	(C/T)
23932	CakSNP23932	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22083454	(C/T)
23933	CakSNP23933	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22086659	(T/G)
23934	CakSNP23934	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22093836	(G/A)
23935	CakSNP23935	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22095169	(C/T)
23936	CakSNP23936	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22099049	(A/T)
23937	CakSNP23937	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22099091	(G/A)
23938	CakSNP23938	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22105626	(T/C)
23939	CakSNP23939	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22109925	(C/G)
23940	CakSNP23940	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22109955	(T/C)
23941	CakSNP23941	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22115972	(C/G)
23942	CakSNP23942	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22127527	(C/G)
23943	CakSNP23943	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22145936	(C/A)
23944	CakSNP23944	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22145951	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23945	CakSNP23945	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22147873	(A/G)
23946	CakSNP23946	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22150196	(A/G)
23947	CakSNP23947	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22150199	(G/C)
23948	CakSNP23948	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22154593	(C/T)
23949	CakSNP23949	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22155073	(T/A)
23950	CakSNP23950	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22155343	(G/C)
23951	CakSNP23951	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22155358	(C/A)
23952	CakSNP23952	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22156352	(G/A)
23953	CakSNP23953	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22156384	(C/G)
23954	CakSNP23954	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22162484	(A/G)
23955	CakSNP23955	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22166305	(T/C)
23956	CakSNP23956	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22175865	(C/T)
23957	CakSNP23957	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22175884	(T/C)
23958	CakSNP23958	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22177441	(A/C)
23959	CakSNP23959	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22177732	(T/C)
23960	CakSNP23960	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22177762	(T/C)
23961	CakSNP23961	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22185743	(C/T)
23962	CakSNP23962	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22185763	(T/G)
23963	CakSNP23963	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22187682	(T/C)
23964	CakSNP23964	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22187734	(G/T)
23965	CakSNP23965	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22191206	(C/A)
23966	CakSNP23966	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22191233	(G/C)
23967	CakSNP23967	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22194019	(T/C)
23968	CakSNP23968	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22194078	(G/C)
23969	CakSNP23969	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22199275	(T/C)
23970	CakSNP23970	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22204436	(G/A)
23971	CakSNP23971	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22204475	(A/G)
23972	CakSNP23972	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22206003	(G/A)
23973	CakSNP23973	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22210115	(C/G)
23974	CakSNP23974	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22213095	(C/A)
23975	CakSNP23975	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22213116	(A/G)
23976	CakSNP23976	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22213901	(T/C)
23977	CakSNP23977	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22213930	(G/C)
23978	CakSNP23978	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22216043	(A/G)
23979	CakSNP23979	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22223582	(G/A)
23980	CakSNP23980	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22223614	(T/C)
23981	CakSNP23981	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22223700	(T/A)
23982	CakSNP23982	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22223707	(A/C)
23983	CakSNP23983	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22224352	(G/T)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
23984	CakSNP23984	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22224391	(G/T)
23985	CakSNP23985	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22236255	(C/T)
23986	CakSNP23986	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22236273	(T/G)
23987	CakSNP23987	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22237102	(G/A)
23988	CakSNP23988	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22242259	(C/T)
23989	CakSNP23989	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22242265	(C/T)
23990	CakSNP23990	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22258645	(A/G)
23991	CakSNP23991	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22266067	(G/C)
23992	CakSNP23992	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22274978	(T/C)
23993	CakSNP23993	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22277631	(G/C)
23994	CakSNP23994	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22277682	(C/T)
23995	CakSNP23995	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22279871	(C/A)
23996	CakSNP23996	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22279916	(C/T)
23997	CakSNP23997	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22280798	(G/A)
23998	CakSNP23998	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22288948	(T/C)
23999	CakSNP23999	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22290167	(C/A)
24000	CakSNP24000	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22290169	(A/G)
24001	CakSNP24001	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22297049	(C/A)
24002	CakSNP24002	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22297053	(G/C)
24003	CakSNP24003	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22297315	(T/C)
24004	CakSNP24004	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22297334	(A/G)
24005	CakSNP24005	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22302898	(G/A)
24006	CakSNP24006	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22309863	(A/C)
24007	CakSNP24007	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22315446	(A/T)
24008	CakSNP24008	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22315449	(A/C)
24009	CakSNP24009	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22324880	(T/G)
24010	CakSNP24010	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22324883	(G/A)
24011	CakSNP24011	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22328246	(A/G)
24012	CakSNP24012	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22328273	(C/T)
24013	CakSNP24013	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22332214	(G/T)
24014	CakSNP24014	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22337605	(C/A)
24015	CakSNP24015	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22340311	(C/A)
24016	CakSNP24016	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22340317	(T/G)
24017	CakSNP24017	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22342839	(G/C)
24018	CakSNP24018	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22343917	(T/C)
24019	CakSNP24019	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22343947	(A/C)
24020	CakSNP24020	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22344811	(T/C)
24021	CakSNP24021	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22347675	(T/C)
24022	CakSNP24022	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22355630	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24023	CakSNP24023	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22355651	(A/C)
24024	CakSNP24024	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22356787	(T/C)
24025	CakSNP24025	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22359477	(T/A)
24026	CakSNP24026	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22364608	(C/T)
24027	CakSNP24027	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22370629	(G/A)
24028	CakSNP24028	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22370640	(C/T)
24029	CakSNP24029	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22379899	(G/C)
24030	CakSNP24030	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22383680	(A/G)
24031	CakSNP24031	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22384415	(A/C)
24032	CakSNP24032	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22388447	(T/G)
24033	CakSNP24033	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22390212	(A/C)
24034	CakSNP24034	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22390214	(A/C)
24035	CakSNP24035	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22396027	(G/A)
24036	CakSNP24036	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22399918	(G/C)
24037	CakSNP24037	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22402729	(A/G)
24038	CakSNP24038	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22409040	(G/A)
24039	CakSNP24039	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22409090	(T/G)
24040	CakSNP24040	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22415065	(A/G)
24041	CakSNP24041	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22415068	(T/C)
24042	CakSNP24042	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22421870	(G/A)
24043	CakSNP24043	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22423241	(C/G)
24044	CakSNP24044	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22423263	(G/T)
24045	CakSNP24045	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22424926	(G/C)
24046	CakSNP24046	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22426360	(C/G)
24047	CakSNP24047	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22427046	(A/T)
24048	CakSNP24048	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22431626	(C/A)
24049	CakSNP24049	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22431652	(C/T)
24050	CakSNP24050	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22432380	(C/T)
24051	CakSNP24051	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22432382	(C/G)
24052	CakSNP24052	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22433280	(G/A)
24053	CakSNP24053	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22433295	(A/G)
24054	CakSNP24054	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22436951	(C/G)
24055	CakSNP24055	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22436975	(T/G)
24056	CakSNP24056	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22439163	(C/T)
24057	CakSNP24057	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22443182	(T/C)
24058	CakSNP24058	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22444030	(C/G)
24059	CakSNP24059	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22449467	(G/T)
24060	CakSNP24060	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22449512	(C/G)
24061	CakSNP24061	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22450397	(C/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24062	CakSNP24062	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22451704	(C/T)
24063	CakSNP24063	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22452438	(A/G)
24064	CakSNP24064	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22452449	(C/G)
24065	CakSNP24065	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22453019	(T/C)
24066	CakSNP24066	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22453049	(A/G)
24067	CakSNP24067	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22453067	(G/A)
24068	CakSNP24068	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22454097	(A/G)
24069	CakSNP24069	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22454100	(G/A)
24070	CakSNP24070	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22462238	(C/G)
24071	CakSNP24071	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22462279	(T/C)
24072	CakSNP24072	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22463261	(G/C)
24073	CakSNP24073	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22464550	(C/A)
24074	CakSNP24074	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22464930	(T/C)
24075	CakSNP24075	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22464938	(G/C)
24076	CakSNP24076	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22465107	(T/C)
24077	CakSNP24077	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22465162	(A/G)
24078	CakSNP24078	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22466096	(G/T)
24079	CakSNP24079	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22476717	(A/C)
24080	CakSNP24080	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22476744	(T/C)
24081	CakSNP24081	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22479050	(A/G)
24082	CakSNP24082	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22479122	(T/C)
24083	CakSNP24083	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22480360	(C/T)
24084	CakSNP24084	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22480405	(C/T)
24085	CakSNP24085	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22486514	(G/A)
24086	CakSNP24086	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22486522	(C/T)
24087	CakSNP24087	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22493767	(T/C)
24088	CakSNP24088	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22504660	(C/T)
24089	CakSNP24089	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22514807	(C/A)
24090	CakSNP24090	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22516434	(A/G)
24091	CakSNP24091	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22520823	(G/C)
24092	CakSNP24092	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22520875	(T/C)
24093	CakSNP24093	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22521766	(G/C)
24094	CakSNP24094	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22521796	(C/T)
24095	CakSNP24095	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22529928	(A/G)
24096	CakSNP24096	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22531422	(A/C)
24097	CakSNP24097	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22531463	(A/G)
24098	CakSNP24098	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22534289	(A/G)
24099	CakSNP24099	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22542381	(T/G)
24100	CakSNP24100	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22542441	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24101	CakSNP24101	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22546566	(A/C)
24102	CakSNP24102	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22556801	(T/C)
24103	CakSNP24103	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22561762	(G/C)
24104	CakSNP24104	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22561771	(T/G)
24105	CakSNP24105	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22567017	(T/C)
24106	CakSNP24106	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22567026	(G/A)
24107	CakSNP24107	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22567059	(T/C)
24108	CakSNP24108	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22567219	(T/C)
24109	CakSNP24109	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22567221	(C/T)
24110	CakSNP24110	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22568144	(C/G)
24111	CakSNP24111	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22568186	(C/A)
24112	CakSNP24112	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22568434	(C/G)
24113	CakSNP24113	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22578643	(C/T)
24114	CakSNP24114	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22579945	(G/C)
24115	CakSNP24115	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22581626	(T/C)
24116	CakSNP24116	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22586002	(C/T)
24117	CakSNP24117	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22590746	(G/A)
24118	CakSNP24118	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22590761	(T/C)
24119	CakSNP24119	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22602100	(C/T)
24120	CakSNP24120	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22614086	(C/T)
24121	CakSNP24121	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22614088	(C/G)
24122	CakSNP24122	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22615811	(G/T)
24123	CakSNP24123	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22635214	(G/C)
24124	CakSNP24124	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22635612	(T/C)
24125	CakSNP24125	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22635633	(G/A)
24126	CakSNP24126	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22639106	(A/G)
24127	CakSNP24127	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22639177	(T/C)
24128	CakSNP24128	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22642069	(G/C)
24129	CakSNP24129	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22643291	(C/G)
24130	CakSNP24130	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22643294	(C/G)
24131	CakSNP24131	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22647446	(C/G)
24132	CakSNP24132	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22647449	(T/C)
24133	CakSNP24133	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22650472	(A/G)
24134	CakSNP24134	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22651126	(A/G)
24135	CakSNP24135	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22651157	(A/G)
24136	CakSNP24136	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22658903	(C/T)
24137	CakSNP24137	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22658906	(C/T)
24138	CakSNP24138	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22663217	(G/C)
24139	CakSNP24139	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22663232	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24140	CakSNP24140	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22665794	(C/G)
24141	CakSNP24141	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22667929	(T/C)
24142	CakSNP24142	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22698389	(C/G)
24143	CakSNP24143	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22701613	(A/T)
24144	CakSNP24144	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22701626	(C/T)
24145	CakSNP24145	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22704938	(C/G)
24146	CakSNP24146	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22706294	(A/G)
24147	CakSNP24147	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22706309	(G/A)
24148	CakSNP24148	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22711654	(T/C)
24149	CakSNP24149	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22712338	(G/C)
24150	CakSNP24150	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22722943	(T/C)
24151	CakSNP24151	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22722952	(G/C)
24152	CakSNP24152	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22725798	(G/C)
24153	CakSNP24153	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22725833	(G/T)
24154	CakSNP24154	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22733117	(A/G)
24155	CakSNP24155	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22733125	(C/G)
24156	CakSNP24156	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22735553	(A/G)
24157	CakSNP24157	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22735578	(A/G)
24158	CakSNP24158	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22749173	(G/T)
24159	CakSNP24159	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22749177	(G/C)
24160	CakSNP24160	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22749186	(T/G)
24161	CakSNP24161	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22762717	(C/G)
24162	CakSNP24162	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22762805	(T/G)
24163	CakSNP24163	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22762824	(G/T)
24164	CakSNP24164	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22762857	(C/G)
24165	CakSNP24165	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22767279	(T/G)
24166	CakSNP24166	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22767322	(C/A)
24167	CakSNP24167	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22770414	(T/C)
24168	CakSNP24168	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22770468	(A/G)
24169	CakSNP24169	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22772193	(G/C)
24170	CakSNP24170	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22772208	(T/G)
24171	CakSNP24171	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22774872	(A/G)
24172	CakSNP24172	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22774887	(C/A)
24173	CakSNP24173	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22774929	(T/G)
24174	CakSNP24174	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22774938	(C/G)
24175	CakSNP24175	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22779099	(G/T)
24176	CakSNP24176	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22786218	(T/G)
24177	CakSNP24177	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22786232	(A/G)
24178	CakSNP24178	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22786258	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24179	CakSNP24179	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	22786269	(A/G)
24180	CakSNP24180	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	23389902	(A/G)
24181	CakSNP24181	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	26279213	(G/C)
24182	CakSNP24182	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	26279215	(G/T)
24183	CakSNP24183	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	26279249	(T/C)
24184	CakSNP24184	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	28463588	(A/G)
24185	CakSNP24185	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	28463605	(G/A)
24186	CakSNP24186	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30521758	(C/T)
24187	CakSNP24187	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30521760	(T/C)
24188	CakSNP24188	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30521761	(G/A)
24189	CakSNP24189	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30521763	(T/C)
24190	CakSNP24190	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30542416	(G/A)
24191	CakSNP24191	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30542450	(A/G)
24192	CakSNP24192	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30542467	(C/G)
24193	CakSNP24193	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30542477	(A/G)
24194	CakSNP24194	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544320	(T/G)
24195	CakSNP24195	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544340	(T/C)
24196	CakSNP24196	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544349	(A/G)
24197	CakSNP24197	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544978	(T/A)
24198	CakSNP24198	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544987	(T/A)
24199	CakSNP24199	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30544997	(G/C)
24200	CakSNP24200	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30556074	(T/C)
24201	CakSNP24201	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30556076	(T/C)
24202	CakSNP24202	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30556080	(T/A)
24203	CakSNP24203	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30556081	(C/A)
24204	CakSNP24204	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30562605	(A/G)
24205	CakSNP24205	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30562663	(G/A)
24206	CakSNP24206	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30564215	(C/G)
24207	CakSNP24207	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30564217	(T/G)
24208	CakSNP24208	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30565114	(T/G)
24209	CakSNP24209	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30565484	(C/A)
24210	CakSNP24210	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30565552	(G/T)
24211	CakSNP24211	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30585112	(C/G)
24212	CakSNP24212	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30595715	(C/G)
24213	CakSNP24213	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30595726	(C/G)
24214	CakSNP24214	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30595772	(A/G)
24215	CakSNP24215	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30595815	(C/A)
24216	CakSNP24216	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30595832	(T/A)
24217	CakSNP24217	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30608911	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24218	CakSNP24218	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30608992	(G/T)
24219	CakSNP24219	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30608994	(T/C)
24220	CakSNP24220	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30624438	(A/T)
24221	CakSNP24221	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30624449	(G/A)
24222	CakSNP24222	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30654546	(A/G)
24223	CakSNP24223	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30654549	(A/C)
24224	CakSNP24224	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30654551	(C/G)
24225	CakSNP24225	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30654552	(T/G)
24226	CakSNP24226	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30689389	(C/T)
24227	CakSNP24227	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30692542	(C/T)
24228	CakSNP24228	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30701261	(G/A)
24229	CakSNP24229	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30701345	(T/A)
24230	CakSNP24230	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30713916	(A/G)
24231	CakSNP24231	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30713943	(A/G)
24232	CakSNP24232	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30717672	(T/G)
24233	CakSNP24233	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30720426	(T/G)
24234	CakSNP24234	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30720438	(G/T)
24235	CakSNP24235	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30720473	(A/G)
24236	CakSNP24236	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30722929	(G/T)
24237	CakSNP24237	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30722957	(T/G)
24238	CakSNP24238	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30722963	(A/G)
24239	CakSNP24239	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30722980	(G/A)
24240	CakSNP24240	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30726959	(G/A)
24241	CakSNP24241	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30726961	(G/A)
24242	CakSNP24242	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30726962	(A/G)
24243	CakSNP24243	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30726963	(G/A)
24244	CakSNP24244	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30728437	(T/G)
24245	CakSNP24245	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30728439	(A/G)
24246	CakSNP24246	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30728469	(A/G)
24247	CakSNP24247	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730294	(G/C)
24248	CakSNP24248	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730741	(C/A)
24249	CakSNP24249	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730742	(C/G)
24250	CakSNP24250	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730743	(A/C)
24251	CakSNP24251	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730744	(G/A)
24252	CakSNP24252	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30730790	(A/C)
24253	CakSNP24253	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30731368	(C/G)
24254	CakSNP24254	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30731905	(T/G)
24255	CakSNP24255	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30731938	(T/G)
24256	CakSNP24256	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30733630	(T/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24257	CakSNP24257	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30733690	(C/G)
24258	CakSNP24258	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30733694	(A/T)
24259	CakSNP24259	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30733703	(G/T)
24260	CakSNP24260	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30742989	(T/G)
24261	CakSNP24261	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30742991	(A/C)
24262	CakSNP24262	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30742993	(A/C)
24263	CakSNP24263	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30742994	(G/A)
24264	CakSNP24264	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30742995	(A/G)
24265	CakSNP24265	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30746022	(G/A)
24266	CakSNP24266	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30746046	(A/G)
24267	CakSNP24267	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30752607	(A/G)
24268	CakSNP24268	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30756090	(A/G)
24269	CakSNP24269	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30756108	(A/C)
24270	CakSNP24270	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30756117	(A/G)
24271	CakSNP24271	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30760173	(G/C)
24272	CakSNP24272	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30760215	(C/G)
24273	CakSNP24273	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30765681	(T/C)
24274	CakSNP24274	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30765682	(C/G)
24275	CakSNP24275	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30765685	(A/C)
24276	CakSNP24276	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30765686	(A/C)
24277	CakSNP24277	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30766057	(G/A)
24278	CakSNP24278	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30768470	(A/T)
24279	CakSNP24279	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30772256	(C/G)
24280	CakSNP24280	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30772258	(G/T)
24281	CakSNP24281	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30772260	(C/T)
24282	CakSNP24282	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30772261	(A/C)
24283	CakSNP24283	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30772262	(G/A)
24284	CakSNP24284	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774518	(A/G)
24285	CakSNP24285	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774519	(G/A)
24286	CakSNP24286	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774521	(A/C)
24287	CakSNP24287	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774523	(G/A)
24288	CakSNP24288	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774524	(T/A)
24289	CakSNP24289	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30774525	(C/A)
24290	CakSNP24290	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775207	(A/G)
24291	CakSNP24291	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775239	(A/G)
24292	CakSNP24292	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775240	(T/G)
24293	CakSNP24293	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775682	(C/G)
24294	CakSNP24294	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775707	(C/G)
24295	CakSNP24295	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30775728	(A/G)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24296	CakSNP24296	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30776185	(C/G)
24297	CakSNP24297	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30776186	(A/G)
24298	CakSNP24298	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30776187	(A/T)
24299	CakSNP24299	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30776188	(C/T)
24300	CakSNP24300	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780155	(C/A)
24301	CakSNP24301	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780159	(A/G)
24302	CakSNP24302	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780168	(T/G)
24303	CakSNP24303	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780869	(T/G)
24304	CakSNP24304	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780871	(C/G)
24305	CakSNP24305	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780877	(A/G)
24306	CakSNP24306	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780881	(C/G)
24307	CakSNP24307	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30780893	(T/G)
24308	CakSNP24308	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30786169	(A/G)
24309	CakSNP24309	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30786176	(G/A)
24310	CakSNP24310	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30786230	(T/G)
24311	CakSNP24311	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30786234	(A/G)
24312	CakSNP24312	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30792759	(T/C)
24313	CakSNP24313	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30792760	(A/C)
24314	CakSNP24314	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30792764	(A/C)
24315	CakSNP24315	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30792765	(A/G)
24316	CakSNP24316	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30797378	(T/G)
24317	CakSNP24317	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30797410	(A/G)
24318	CakSNP24318	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30798168	(C/G)
24319	CakSNP24319	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30798174	(A/G)
24320	CakSNP24320	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30798186	(G/A)
24321	CakSNP24321	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30798221	(A/G)
24322	CakSNP24322	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30806118	(A/G)
24323	CakSNP24323	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30807009	(C/G)
24324	CakSNP24324	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30814984	(C/A)
24325	CakSNP24325	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30814986	(G/T)
24326	CakSNP24326	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30814988	(C/A)
24327	CakSNP24327	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30814989	(C/A)
24328	CakSNP24328	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30814991	(A/G)
24329	CakSNP24329	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30817556	(C/G)
24330	CakSNP24330	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820587	(G/A)
24331	CakSNP24331	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820674	(A/G)
24332	CakSNP24332	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820693	(T/G)
24333	CakSNP24333	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820725	(A/G)
24334	CakSNP24334	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820857	(G/A)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24335	CakSNP24335	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820885	(T/G)
24336	CakSNP24336	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30820935	(G/C)
24337	CakSNP24337	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30821907	(A/G)
24338	CakSNP24338	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30821961	(T/G)
24339	CakSNP24339	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30824952	(C/A)
24340	CakSNP24340	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30825037	(G/T)
24341	CakSNP24341	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30825073	(C/G)
24342	CakSNP24342	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30825087	(T/G)
24343	CakSNP24343	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30825459	(C/G)
24344	CakSNP24344	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826626	(A/G)
24345	CakSNP24345	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826708	(T/A)
24346	CakSNP24346	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826821	(C/A)
24347	CakSNP24347	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826826	(T/G)
24348	CakSNP24348	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826840	(G/T)
24349	CakSNP24349	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826859	(A/G)
24350	CakSNP24350	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30826896	(T/G)
24351	CakSNP24351	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30829200	(G/A)
24352	CakSNP24352	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30829213	(C/G)
24353	CakSNP24353	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30831665	(G/T)
24354	CakSNP24354	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30832766	(C/G)
24355	CakSNP24355	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30833069	(G/A)
24356	CakSNP24356	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30835039	(G/A)
24357	CakSNP24357	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30835060	(G/C)
24358	CakSNP24358	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30836884	(A/G)
24359	CakSNP24359	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30836903	(T/C)
24360	CakSNP24360	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30836937	(T/A)
24361	CakSNP24361	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30836941	(A/C)
24362	CakSNP24362	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30846063	(T/G)
24363	CakSNP24363	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30846909	(T/G)
24364	CakSNP24364	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30886176	(A/G)
24365	CakSNP24365	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30886221	(C/T)
24366	CakSNP24366	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914188	(A/T)
24367	CakSNP24367	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914189	(T/C)
24368	CakSNP24368	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914190	(C/G)
24369	CakSNP24369	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914192	(A/G)
24370	CakSNP24370	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914194	(G/A)
24371	CakSNP24371	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914211	(T/A)
24372	CakSNP24372	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914217	(G/A)
24373	CakSNP24373	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914223	(T/C)

S.N.	SNP IDs	Cultivars	Chromosomes/scaffolds	Physical positions (bp)	SNPs
24374	CakSNP24374	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30914224	(C/T)
24375	CakSNP24375	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30915856	(G/A)
24376	CakSNP24376	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30920569	(C/A)
24377	CakSNP24377	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30920603	(A/G)
24378	CakSNP24378	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30920620	(C/G)
24379	CakSNP24379	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30920641	(T/G)
24380	CakSNP24380	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30948570	(A/G)
24381	CakSNP24381	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	30948583	(C/T)
24382	CakSNP24382	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	39369006	(C/G)
24383	CakSNP24383	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43194868	(T/A)
24384	CakSNP24384	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43209602	(C/T)
24385	CakSNP24385	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43209612	(T/G)
24386	CakSNP24386	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43706574	(C/T)
24387	CakSNP24387	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43711784	(A/C)
24388	CakSNP24388	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43711813	(A/G)
24389	CakSNP24389	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990689	(T/C)
24390	CakSNP24390	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990690	(C/G)
24391	CakSNP24391	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990720	(C/A)
24392	CakSNP24392	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990743	(G/A)
24393	CakSNP24393	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990748	(T/G)
24394	CakSNP24394	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	43990751	(C/T)
24395	CakSNP24395	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44029557	(G/C)
24396	CakSNP24396	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44029593	(G/T)
24397	CakSNP24397	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44071541	(A/G)
24398	CakSNP24398	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44449557	(A/G)
24399	CakSNP24399	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44449575	(A/T)
24400	CakSNP24400	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44449577	(G/A)
24401	CakSNP24401	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	44449597	(C/T)
24402	CakSNP24402	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67025915	(G/T)
24403	CakSNP24403	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67025928	(G/T)
24404	CakSNP24404	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67030173	(T/G)
24405	CakSNP24405	<i>Kabuli</i>	<i>Ca_Kabuli_denovo</i>	67030216	(A/G)

Table S2. SNP loci mapped on eight LGs of an intra-specific chickpea genetic linkage map (ICC 4958 x ICC 8261)

Linkage groups (LGs)/chromosomes (Chr)	SNPs mapped	Map length covered (cM)	Mean inter-marker distance (cM)
LG(Chr)01	58	102.7	1.77
LG(Chr)02	68	110.2	1.62
LG(Chr)03	118	165.8	1.41
LG(Chr)04	124	168.5	1.36
LG(Chr)05	48	73.6	1.53
LG(Chr)06	41	66.8	1.63
LG(Chr)07	46	85.7	1.86
LG(Chr)08	30	57.9	1.93
Total	533	831.2	1.56

Table S3. Diverse statistical measures estimated for Fe and Zn contents variation observed in a diversity panel and an intra-specific RIL mapping population (ICC 4958 x ICC 8261) of chickpea

Traits	92 <i>desi</i> and <i>kabuli</i> accessions					F ₇ RIL mapping population (ICC 4958 x ICC 8261)						
						Parental accessions		Mapping individuals		Heritability (H ² %)	Coefficient of variation (CV%)	ANOVA significance (P)
	(Mean ± SD)	Range (ppm)	Heritability (H ² %)	Coefficient of variation (CV%)	ANOVA significance (P)	ICC 4958 (Mean ± SD)	ICC 8261 (Mean ± SD)	(Mean ± SD)	Range (ppm)			
Fe	63.3 ± 13.3	40.2-91.0	80	21.0	< 0.0001	43.0 ± 2.9	64.8 ± 3.3	51.3 ± 5.0	40.3-67.0	81	9.7	< 0.0001
Zn	46.2 ± 9.1	26.8-61.8	82	19.7	< 0.0001	30.2 ± 2.5	42.0 ± 2.7	36.0 ± 3.8	27.9-48.5	83	10.5	< 0.0001