

Table S8. List of polymorphic SSRs identified between kabuli and desi chickpea.

Kabuli SSR ID	Kabuli TC ID	SSR	Start	End	Desi SSR ID	Desi TC ID	SSR	Start	End	Repeat unit size difference	Tissue specificity	TF family
CakTpSSR00026	CakTC00646	(GA)7	1984	1997	Ca(ICC4958)TpSSR01618	TC09857	(GA)10	2061	2080	3	--	--
CakTpSSR00219	CakTC05322	(CAT)5	1130	1144	Ca(ICC4958)TpSSR01328	TC08180	(CAT)7	1053	1073	2	--	--
CakTpSSR00368	CakTC08782	(TC)21	17	58	Ca(ICC4958)TpSSR02480	TC15958	(TC)13	56	81	8	--	--
CakTpSSR00381	CakTC08924	(TCCTCT)9	2364	2417	Ca(ICC4958)TpSSR00873	TC05387	(TCCTCT)6	2292	2327	3	--	--
CakTpSSR00428	CakTC09678	(TCAC)9	1204	1239	Ca(ICC4958)TpSSR00117	TC00871	(TCAC)7	1222	1249	2	--	--
CakTpSSR00452	CakTC09874	(GA)8	1242	1257	Ca(ICC4958)TpSSR00281	TC01966	(GA)10	1262	1281	2	--	--
CakTpSSR00630	CakTC11163	(TC)6	92	103	Ca(ICC4958)TpSSR02109	TC13124	(TC)17	204	237	11	Young_pod	--
CakTpSSR00643	CakTC11370	(TAA)10	1	30	Ca(ICC4958)TpSSR02227	TC14545	(TAA)12	9	44	2	--	--
CakTpSSR00729	CakTC12463	(TA)14	49	76	Ca(ICC4958)TpSSR03164	TC22801	(TA)13	49	74	1	--	--
CakTpSSR00739	CakTC12740	(CTT)5	197	211	Ca(ICC4958)TpSSR03282	TC26236	(CTT)6	197	214	1	--	--
CakTpSSR00744	CakTC12877	(CT)7	159	172	Ca(ICC4958)TpSSR03335	TC28683	(CT)12	175	198	5	--	--
CakTpSSR00748	CakTC12979	(GA)9	84	101	Ca(ICC4958)TpSSR03401	TC31429	(GA)8	84	99	1	Flower bud	--
CakTpSSR00752	CakTC13120	(AGA)6	855	872	Ca(ICC4958)TpSSR02662	TC16903	(AGA)8	45	68	2	--	--
CakTpSSR00830	CakTC14565	(ATA)9	1455	1481	Ca(ICC4958)TpSSR02007	TC12302	(ATA)10	1251	1280	1	--	--
CakTpSSR00867	CakTC15258	(GA)14	3523	3550	Ca(ICC4958)TpSSR01851	TC11344	(GA)16	3528	3559	2	--	CAMTA
CakTpSSR01146	CakTC21556	(GA)11	1055	1076	Ca(ICC4958)TpSSR03214	TC23672	(GA)10	1062	1081	1	--	--
CakTpSSR01208	CakTC22596	(TA)8	224	239	Ca(ICC4958)TpSSR00814	TC05059	(TA)6	365	376	2	--	--
CakTpSSR01214	CakTC22634	(TA)11	1274	1295	Ca(ICC4958)TpSSR01194	TC07400	(TA)12	1277	1300	1	--	--
CakTpSSR01279	CakTC23175	(CACAAA)7	1634	1675	Ca(ICC4958)TpSSR00033	TC00294	(CACAAA)8	1636	1683	1	--	--
CakTpSSR01283	CakTC23285	(TG)7	1350	1363	Ca(ICC4958)TpSSR03144	TC22550	(TG)8	1493	1508	1	Flower bud	--
CakTpSSR01308	CakTC23402	(TA)7	12	25	Ca(ICC4958)TpSSR02913	TC18998	(TA)8	9	24	1	--	--
CakTpSSR01352	CakTC23616	(CT)9	1068	1085	Ca(ICC4958)TpSSR00856	TC05299	(CT)8	1144	1159	1	--	--
CakTpSSR01394	CakTC23803	(TGA)15	3735	3779	Ca(ICC4958)TpSSR03439	TC34228	(TGA)14	3099	3140	1	--	--
CakTpSSR01400	CakTC23833	(AG)9	256	273	Ca(ICC4958)TpSSR00905	TC05500	(AG)10	251	270	1	--	--
CakTpSSR01486	CakTC24535	(TGGA)8	862	893	Ca(ICC4958)TpSSR02031	TC12444	(TGGA)7	924	951	1	--	--
CakTpSSR01488	CakTC24545	(AG)9	2849	2866	Ca(ICC4958)TpSSR00159	TC01142	(AG)6	2993	3004	3	--	--

CakTpSSR01500	CakTC24617	(ATG)6	855	872	Ca(ICC4958)TpSSR03128	TC22362	(ATG)5	873	887	1	Flower bud	--
CakTpSSR01506	CakTC24680	(AT)7	539	552	Ca(ICC4958)TpSSR01661	TC10126	(AT)8	287	302	1	Young pod	--
CakTpSSR01526	CakTC24804	(AG)12	119	142	Ca(ICC4958)TpSSR01042	TC06457	(AG)18	46	81	6	--	--
CakTpSSR01542	CakTC24891	(AAT)11	122	154	Ca(ICC4958)TpSSR00635	TC04041	(AAT)13	100	138	2	--	--
CakTpSSR01621	CakTC25414	(TCT)9	20	46	Ca(ICC4958)TpSSR02974	TC19743	(TCT)11	72	104	2	--	--
CakTpSSR01660	CakTC25584	(AG)6	1427	1438	Ca(ICC4958)TpSSR00217	TC01569	(AG)13	206	231	7	--	TRAF
CakTpSSR01696	CakTC25709	(TGA)5	522	536	Ca(ICC4958)TpSSR03351	TC29442	(TGA)6	4	21	1	--	--
CakTpSSR01720	CakTC25855	(TAA)11	46	78	Ca(ICC4958)TpSSR01235	TC07671	(TAA)9	49	75	2	--	--
CakTpSSR01802	CakTC26308	(AG)19	1446	1483	Ca(ICC4958)TpSSR01142	TC07093	(AG)16	1456	1487	3	--	--
CakTpSSR01814	CakTC26431	(TC)8	14	29	Ca(ICC4958)TpSSR01356	TC08294	(TC)7	6	19	1	--	--
CakTpSSR01841	CakTC26529	(GA)25	2090	2139	Ca(ICC4958)TpSSR00962	TC05907	(GA)28	1775	1830	3	--	--
CakTpSSR01928	CakTC27222	(CT)13	1776	1801	Ca(ICC4958)TpSSR02638	TC16687	(CT)12	1782	1805	1	--	--
CakTpSSR01932	CakTC27236	(CT)12	94	117	Ca(ICC4958)TpSSR00781	TC04854	(CT)9	9	26	3	--	--
CakTpSSR01949	CakTC27313	(TC)7	1	14	Ca(ICC4958)TpSSR01566	TC09548	(TC)8	18	33	1	--	--
CakTpSSR01958	CakTC27343	(GA)21	1442	1483	Ca(ICC4958)TpSSR02238	TC14592	(GA)20	1448	1487	1	--	BES1
CakTpSSR01981	CakTC27530	(TC)12	1219	1242	Ca(ICC4958)TpSSR01152	TC07156	(TC)11	1198	1219	1	--	--
CakTpSSR02042	CakTC27908	(TTC)6	165	182	Ca(ICC4958)TpSSR02064	TC12644	(TTC)7	165	185	1	--	--
CakTpSSR02074	CakTC28116	(GTG)8	1614	1637	Ca(ICC4958)TpSSR01498	TC09117	(GTG)6	1614	1631	2	--	--
CakTpSSR02142	CakTC28476	(TA)6	319	330	Ca(ICC4958)TpSSR02228	TC14548	(TA)7	159	172	1	--	--
CakTpSSR02149	CakTC28528	(AG)16	760	791	Ca(ICC4958)TpSSR00841	TC05210	(AG)17	665	698	1	--	--
CakTpSSR02169	CakTC28712	(AG)8	886	901	Ca(ICC4958)TpSSR02887	TC18797	(AG)11	870	891	3	--	--
CakTpSSR02188	CakTC28814	(AGA)11	2055	2087	Ca(ICC4958)TpSSR02415	TC15640	(AGA)12	1996	2031	1	--	--
CakTpSSR02222	CakTC29000	(TTC)10	171	200	Ca(ICC4958)TpSSR00509	TC03306	(TTC)5	27	41	5	--	--
CakTpSSR02459	CakTC30368	(AG)11	1246	1267	Ca(ICC4958)TpSSR02824	TC18242	(AG)10	952	971	1	--	--
CakTpSSR02497	CakTC30675	(AT)7	183	196	Ca(ICC4958)TpSSR02664	TC16913	(AT)10	174	193	3	--	--
CakTpSSR02499	CakTC30698	(ATG)7	391	411	Ca(ICC4958)TpSSR02814	TC18156	(ATG)5	226	240	2	--	--
CakTpSSR02543	CakTC30946	(TAT)8	119	142	Ca(ICC4958)TpSSR02726	TC17430	(TAT)6	119	136	2	--	--
CakTpSSR02622	CakTC31433	(GT)12	3927	3950	Ca(ICC4958)TpSSR00683	TC04310	(GT)13	3925	3950	1	--	--
CakTpSSR02637	CakTC31492	(GATA)7	1607	1634	Ca(ICC4958)TpSSR01477	TC08987	(GATA)8	648	679	1	--	--
CakTpSSR02667	CakTC31656	(CTT)5	64	78	Ca(ICC4958)TpSSR01057	TC06534	(CTT)6	46	63	1	--	--

CakTpSSR02706	CakTC31866	(AG)18	2317	2352	Ca(ICC4958)TpSSR00257	TC01827	(AG)8	2452	2467	10	--	--
CakTpSSR02719	CakTC32010	(CAG)5	1224	1238	Ca(ICC4958)TpSSR00219	TC01590	(CAG)6	1071	1088	1	--	--
CakTpSSR02802	CakTC32400	(TC)11	30	51	Ca(ICC4958)TpSSR01599	TC09738	(TC)12	2	25	1	--	--
CakTpSSR02806	CakTC32453	(TC)6	604	615	Ca(ICC4958)TpSSR02737	TC17540	(TC)8	604	619	2	--	--
CakTpSSR02813	CakTC32488	(CTT)8	1662	1685	Ca(ICC4958)TpSSR01141	TC07091	(CTT)9	2008	2034	1	--	TCP
CakTpSSR02824	CakTC32576	(ATT)16	2243	2290	Ca(ICC4958)TpSSR01370	TC08358	(ATT)15	2241	2285	1	--	--
CakTpSSR02886	CakTC33013	(AG)13	2881	2906	Ca(ICC4958)TpSSR01648	TC10033	(AG)14	2862	2889	1	--	--
CakTpSSR02894	CakTC33055	(AT)10	601	620	Ca(ICC4958)TpSSR01649	TC10046	(AT)8	521	536	2	--	--
CakTpSSR02898	CakTC33105	(TA)8	2388	2403	Ca(ICC4958)TpSSR01488	TC09053	(TA)9	65	82	1	--	--
CakTpSSR02900	CakTC33120	(AG)25	1	50	Ca(ICC4958)TpSSR01159	TC07211	(AG)23	56	101	2	--	--
CakTpSSR02930	CakTC33291	(AG)13	4884	4909	Ca(ICC4958)TpSSR00158	TC01136	(AG)12	4900	4923	1	--	--
CakTpSSR02952	CakTC33440	(AG)7	1890	1903	Ca(ICC4958)TpSSR00916	TC05616	(AG)6	1887	1898	1	--	--
CakTpSSR02970	CakTC33640	(TA)10	2154	2173	Ca(ICC4958)TpSSR01462	TC08921	(TA)9	1985	2002	1	--	TPR
CakTpSSR02987	CakTC33747	(CT)8	652	667	Ca(ICC4958)TpSSR02709	TC17310	(CT)12	652	675	4	--	--
CakTpSSR02992	CakTC33793	(AG)25	2395	2444	Ca(ICC4958)TpSSR02459	TC15892	(AG)23	2395	2440	2	--	--
CakTpSSR03000	CakTC33850	(TCA)6	395	412	Ca(ICC4958)TpSSR02735	TC17527	(TCA)7	413	433	1	--	--
CakTpSSR03003	CakTC33861	(TC)6	2447	2458	Ca(ICC4958)TpSSR00864	TC05340	(TC)7	2453	2466	1	--	--
CakTpSSR03090	CakTC34556	(ATTCAT)7	200	241	Ca(ICC4958)TpSSR01265	TC07827	(ATTCAT)6	206	241	1	--	bHLH
CakTpSSR03117	CakTC34751	(AT)10	192	211	Ca(ICC4958)TpSSR00718	TC04509	(AT)12	3479	3502	2	--	--
CakTpSSR03118	CakTC34754	(AG)12	3280	3303	Ca(ICC4958)TpSSR02469	TC15922	(AG)10	3314	3333	2	--	--
CakTpSSR03171	CakTC35154	(TC)8	4019	4034	Ca(ICC4958)TpSSR01627	TC09901	(TC)7	4018	4031	1	--	--
CakTpSSR03193	CakTC35309	(AGA)9	658	684	Ca(ICC4958)TpSSR01323	TC08159	(AGA)8	661	684	1	--	Bromodomain
CakTpSSR03312	CakTC36126	(AG)9	16	33	Ca(ICC4958)TpSSR00762	TC04777	(AG)12	8	31	3	--	ARF
CakTpSSR03317	CakTC36179	(GA)19	2716	2753	Ca(ICC4958)TpSSR01327	TC08178	(GA)24	2679	2726	5	--	--
CakTpSSR03345	CakTC36401	(AG)6	3140	3151	Ca(ICC4958)TpSSR00951	TC05805	(AG)7	281	294	1	--	HB
CakTpSSR03422	CakTC37047	(TG)10	2692	2711	Ca(ICC4958)TpSSR01664	TC10149	(TG)9	2649	2666	1	--	--
CakTpSSR03480	CakTC37363	(ATC)8	526	549	Ca(ICC4958)TpSSR01799	TC11053	(ATC)10	423	452	2	--	--
CakTpSSR03485	CakTC37408	(AAG)13	1112	1150	Ca(ICC4958)TpSSR02832	TC18327	(AAG)5	1112	1126	8	--	--
CakTpSSR03486	CakTC37409	(CT)17	4	37	Ca(ICC4958)TpSSR03358	TC29761	(CT)12	31	54	5	Young_pod	--
CakTpSSR03521	CakTC37545	(GA)17	1609	1642	Ca(ICC4958)TpSSR02586	TC16423	(GA)22	1608	1651	5	--	--

CakTpSSR03532	CakTC37598	(TTG)6	1177	1194	Ca(ICC4958)TpSSR01794	TC11038	(TTG)5	1131	1145	1	--	--
CakTpSSR03556	CakTC37742	(GA)10	169	188	Ca(ICC4958)TpSSR00458	TC03027	(GA)8	2428	2443	2	Flower bud	--
CakTpSSR03565	CakTC37776	(CTT)7	60	80	Ca(ICC4958)TpSSR02783	TC17959	(CTT)8	100	123	1	--	--
CakTpSSR03588	CakTC37889	(GA)10	1668	1687	Ca(ICC4958)TpSSR01776	TC10907	(GA)11	1648	1669	1	--	--
CakTpSSR03637	CakTC38143	(TTC)12	1028	1063	Ca(ICC4958)TpSSR02320	TC15067	(TTC)8	1079	1102	4	--	--
CakTpSSR03639	CakTC38187	(GA)14	1760	1787	Ca(ICC4958)TpSSR02595	TC16474	(GA)11	1689	1710	3	--	--
CakTpSSR03662	CakTC38353	(CT)15	18	47	Ca(ICC4958)TpSSR01269	TC07866	(CT)14	1	28	1	--	--
CakTpSSR03667	CakTC38412	(GA)15	1686	1715	Ca(ICC4958)TpSSR01421	TC08653	(GA)16	1770	1801	1	--	--
CakTpSSR03684	CakTC38539	(TC)7	1631	1644	Ca(ICC4958)TpSSR02536	TC16204	(TC)8	1614	1629	1	--	--
CakTpSSR03721	CakTC38734	(GA)15	1476	1505	Ca(ICC4958)TpSSR02226	TC14544	(GA)6	1408	1419	9	--	--
CakTpSSR03756	CakTC38907	(TA)10	1265	1284	Ca(ICC4958)TpSSR02343	TC15225	(TA)6	1267	1278	4	--	--
CakTpSSR03776	CakTC38997	(TC)10	1435	1454	Ca(ICC4958)TpSSR01838	TC11273	(TC)9	1445	1462	1	--	SWI/SNF
CakTpSSR03786	CakTC39038	(TTC)20	35	94	Ca(ICC4958)TpSSR02216	TC14490	(TTC)18	26	79	2	--	--
CakTpSSR03806	CakTC39158	(TC)9	1574	1591	Ca(ICC4958)TpSSR02014	TC12350	(TC)7	2082	2095	2	--	SBP
CakTpSSR03815	CakTC39206	(CT)7	115	128	Ca(ICC4958)TpSSR01626	TC09898	(CT)6	132	143	1	--	AUX/IAA
CakTpSSR03820	CakTC39223	(ATA)6	1535	1552	Ca(ICC4958)TpSSR00204	TC01434	(ATA)7	1536	1556	1	--	C2H2
CakTpSSR03821	CakTC39225	(TC)11	149	170	Ca(ICC4958)TpSSR01817	TC11158	(TC)10	88	107	1	--	--
CakTpSSR03822	CakTC39230	(TC)26	1	52	Ca(ICC4958)TpSSR02329	TC15147	(TC)36	1	72	10	--	--
CakTpSSR03826	CakTC39247	(AG)12	1566	1589	Ca(ICC4958)TpSSR00969	TC05928	(AG)11	1571	1592	1	--	--
CakTpSSR03829	CakTC39262	(AG)20	1520	1559	Ca(ICC4958)TpSSR02047	TC12532	(AG)12	1492	1515	8	--	--
CakTpSSR03853	CakTC39411	(AG)7	15	28	Ca(ICC4958)TpSSR00845	TC05231	(AG)8	13	28	1	--	--
CakTpSSR03891	CakTC39656	(TTC)17	45	95	Ca(ICC4958)TpSSR02917	TC19015	(TTC)21	64	126	4	--	--
CakTpSSR03899	CakTC39710	(ATA)10	1334	1363	Ca(ICC4958)TpSSR02322	TC15070	(ATA)7	1291	1311	3	--	--
CakTpSSR03923	CakTC39799	(GAA)19	1300	1356	Ca(ICC4958)TpSSR01692	TC10313	(GAA)18	1097	1150	1	--	bZIP
CakTpSSR03960	CakTC40044	(CTT)6	706	723	Ca(ICC4958)TpSSR01049	TC06514	(CTT)5	706	720	1	--	--
CakTpSSR03970	CakTC40146	(TGA)9	1298	1324	Ca(ICC4958)TpSSR01825	TC11208	(TGA)12	1283	1318	3	--	--
CakTpSSR04045	CakTC40557	(TC)12	641	664	Ca(ICC4958)TpSSR02685	TC17104	(TC)11	647	668	1	--	--
CakTpSSR04058	CakTC40637	(GA)20	2026	2065	Ca(ICC4958)TpSSR02422	TC15677	(GA)18	2026	2061	2	--	WRKY
CakTpSSR04076	CakTC40711	(CCA)5	950	964	Ca(ICC4958)TpSSR00090	TC00618	(CCA)6	946	963	1	--	--
CakTpSSR04141	CakTC41199	(TC)12	178	201	Ca(ICC4958)TpSSR02445	TC15793	(TC)14	177	204	2	--	--

CakTpSSR04176	CakTC41338	(TTC)9	418	444	Ca(ICC4958)TpSSR00663	TC04203	(TTC)5	418	432	4	--	--
CakTpSSR04185	CakTC41423	(TC)8	20	35	Ca(ICC4958)TpSSR00577	TC03730	(TC)7	55	68	1	--	--
CakTpSSR04189	CakTC41441	(AG)18	2	37	Ca(ICC4958)TpSSR02454	TC15839	(AG)10	14	33	8	--	--
CakTpSSR04240	CakTC41792	(GA)12	2265	2288	Ca(ICC4958)TpSSR01646	TC10031	(GA)13	2357	2382	1	--	--
CakTpSSR04265	CakTC41944	(TAA)17	627	677	Ca(ICC4958)TpSSR01075	TC06664	(TAA)14	594	635	3	--	C2C2-Dof
CakTpSSR04290	CakTC42107	(TTA)8	893	916	Ca(ICC4958)TpSSR02959	TC19502	(TTA)7	894	914	1	--	--
CakTpSSR04307	CakTC42202	(CT)7	874	887	Ca(ICC4958)TpSSR01443	TC08808	(CT)8	1033	1048	1	--	--
CakTpSSR04360	CakTC42489	(GA)15	1	30	Ca(ICC4958)TpSSR00334	TC02328	(GA)14	4	31	1	Shoot	--
CakTpSSR04389	CakTC42648	(AG)6	113	124	Ca(ICC4958)TpSSR02552	TC16250	(AG)7	113	126	1	--	--
CakTpSSR04404	CakTC42701	(TCT)7	856	876	Ca(ICC4958)TpSSR02791	TC18026	(TCT)8	924	947	1	--	--
CakTpSSR04421	CakTC42806	(AG)16	1917	1948	Ca(ICC4958)TpSSR01802	TC11083	(AG)17	1894	1927	1	--	--
CakTpSSR04457	CakTC43019	(AG)9	15	32	Ca(ICC4958)TpSSR00305	TC02135	(AG)8	15	30	1	Young_pod	--
CakTpSSR04464	CakTC43053	(TC)8	1908	1923	Ca(ICC4958)TpSSR00955	TC05850	(TC)7	1917	1930	1	--	--
CakTpSSR04488	CakTC43146	(TCT)6	128	145	Ca(ICC4958)TpSSR03203	TC23463	(TCT)5	154	168	1	--	--