

Supplemental Table 2. Genetic map of A9919-BY5C/Strongfield. Summary of the 4,721 SNP and DArT markers mapped in the Strongfield and A9919-BY5C doubled haploid population and a subset of 613 markers selected for QTL analysis.

Linkage group	Marker code	Marker name	Position (cM)	Interval (cM)	Used for QTL analysis
1A_1	wPt-6530	wPt-6530	0.0	0.7	Yes
1A_1	wPt-8838	wPt-8838	0.7	4.0	Yes
1A_1	39626453	TA005181-0473	4.6	0.0	Yes
1A_1	65689362	BobWhite_c13039_184	4.6	0.0	Yes
1A_1	57744391	BobWhite_c18184_107	4.6	0.0	No
1A_1	15750464	BobWhite_c26122_129	4.6	0.0	No
1A_1	61726344	BobWhite_c28971_184	4.6	0.0	No
1A_1	73705455	BobWhite_c96_170	4.6	0.0	No
1A_1	54684445	BS00012042_51	4.6	0.0	No
1A_1	20633491	BS00028146_51	4.6	0.0	No
1A_1	59653326	BS00065114_51	4.6	0.0	No
1A_1	43650374	BS00087589_51	4.6	0.0	No
1A_1	72672414	CAP7_c11581_78	4.6	0.0	No
1A_1	12787358	CAP8_c2578_452	4.6	0.0	No
1A_1	64767333	Excalibur_c14859_394	4.6	0.0	No
1A_1	10660375	IAAV8743	4.6	0.0	No
1A_1	72692349	IACX11345	4.6	0.0	No
1A_1	50747431	IACX9046	4.6	0.0	No
1A_1	61749487	Kukri_c10405_1277	4.6	0.0	No
1A_1	24741476	Kukri_c43972_367	4.6	0.0	No
1A_1	73656347	Kukri_c45512_193	4.6	0.0	No
1A_1	52668343	RAC875_c15918_407	4.6	0.0	No
1A_1	12674346	RAC875_c31031_387	4.6	0.0	No
1A_1	54779351	RAC875_rep_c109970_73	4.6	0.0	No
1A_1	70630370	RAC875_rep_c95460_302	4.6	0.0	No
1A_1	19615496	TA005587-0433	4.6	0.0	No
1A_1	57626390	Tdurum_contig29437_126	4.6	0.0	No
1A_1	69632335	Tdurum_contig44112_1609	4.6	0.0	No
1A_1	41619431	Tdurum_contig44112_1850	4.6	0.0	No
1A_1	32745501	Tdurum_contig47620_592	4.6	0.0	No
1A_1	42704400	Tdurum_contig48037_385	4.6	0.0	No
1A_1	17714339	Tdurum_contig48037_499	4.6	0.0	No
1A_1	58727454	Tdurum_contig57566_1035	4.6	0.0	No
1A_1	26797313	Tdurum_contig57566_1653	4.6	0.0	No
1A_1	67736338	Tdurum_contig57566_1755	4.6	0.0	No
1A_1	61706485	Tdurum_contig57566_809	4.6	0.0	No
1A_1	56600321	Tdurum_contig57566_827	4.6	0.0	No
1A_1	15627430	Tdurum_contig79608_369	4.6	0.0	No
1A_1	48626364	Tdurum_contig79608_437	4.6	0.0	No

1A_1	15794492	wsnp_BG263358A_Ta_2_3	4.6	0.0	No
1A_1	36784475	wsnp_Ex_c5060_8985678	4.6	0.0	No
1A_1	25682393	wsnp_Ex_c6563_11378632	4.6	0.0	No
1A_1	29805342	wsnp_Ku_c33917_43336069	4.6	0.0	No
1A_1	66622366	wsnp_RFL_Contig1109_136771	4.6	2.6	No
1A_1	41642475	BS00022239_51	7.2	0.0	Yes
1A_1	64675446	BS00081002_51	7.2	0.0	No
1A_1	29651467	Excalibur_c45861_189	7.2	0.0	No
1A_1	48751333	Tdurum_contig21329_326	7.2	1.4	No
1A_1	58794377	BS00022261_51	8.6	0.0	Yes
1A_1	72658344	BS00022848_51	8.6	0.0	No
1A_1	72746411	BS00109991_51	8.6	0.0	No
1A_1	29775466	GENE-0262_431	8.6	0.0	No
1A_1	24706370	RAC875_c6798_467	8.6	5.5	No
1A_1	65639344	BS00088136_51	14.1	0.0	Yes
1A_1	60677431	Excalibur_c1845_4911	14.1	0.0	No
1A_1	43771335	Excalibur_c1845_718	14.1	0.0	No
1A_1	62722455	Excalibur_c52725_585	14.1	0.0	No
1A_1	17725310	Excalibur_c65755_51	14.1	0.0	No
1A_1	27600331	Kukri_c28695_269	14.1	0.0	No
1A_1	38602388	RAC875_c12993_127	14.1	0.0	No
1A_1	68810422	RAC875_c12993_201	14.1	0.0	No
1A_1	59809361	RAC875_c45115_340	14.1	0.0	No
1A_1	66784350	RAC875_c45115_509	14.1	0.0	No
1A_1	32785466	wsnp_Ex_c1845_3472790	14.1	15.1	No
1A_1	wPt-6074	wPt-6074	29.2	2.6	Yes
1A_1	18799347	BobWhite_c12568_900	31.8	0.0	Yes
1A_1	36793427	BobWhite_c5356_1272	31.8	0.0	No
1A_1	53634349	BobWhite_rep_c49207_243	31.8	0.0	No
1A_1	32632380	BobWhite_rep_c63278_349	31.8	0.0	No
1A_1	52675336	BobWhite_rep_c63819_182	31.8	0.0	No
1A_1	20654376	BS00002216_51	31.8	0.0	No
1A_1	63753473	BS00021714_51	31.8	0.0	No
1A_1	59680384	BS00021889_51	31.8	0.0	No
1A_1	23674463	BS00022698_51	31.8	0.0	No
1A_1	28629365	BS00033469_51	31.8	0.0	No
1A_1	11610496	BS00063068_51	31.8	0.0	No
1A_1	32793362	BS00065676_51	31.8	0.0	No
1A_1	69795445	BS00073585_51	31.8	0.0	No
1A_1	16695343	Ex_c5192_943	31.8	0.0	No
1A_1	64650479	Excalibur_c10167_1028	31.8	0.0	No
1A_1	22644345	Excalibur_c34697_831	31.8	0.0	No
1A_1	30684341	Excalibur_c49421_443	31.8	0.0	No
1A_1	43696313	Excalibur_rep_c112145_271	31.8	0.0	No

1A_1	31729419	Excalibur_rep_c66449_1588	31.8	0.0	No
1A_1	64701487	GENE-0112_64	31.8	0.0	No
1A_1	51755344	IAAV1225	31.8	0.0	No
1A_1	73736483	IAAV2072	31.8	0.0	No
1A_1	18710440	Kukri_c10065_415	31.8	0.0	No
1A_1	19637484	Kukri_c10239_2186	31.8	0.0	No
1A_1	16764323	Kukri_c25215_124	31.8	0.0	No
1A_1	14643361	Kukri_c26093_861	31.8	0.0	No
1A_1	51708387	Kukri_c3582_87	31.8	0.0	No
1A_1	38705475	Ra_c4159_2716	31.8	0.0	No
1A_1	47699432	Ra_c58315_265	31.8	0.0	No
1A_1	44764361	Ra_c6038_588	31.8	0.0	No
1A_1	51657427	RAC875_c16080_777	31.8	0.0	No
1A_1	21683451	RAC875_c23081_141	31.8	0.0	No
1A_1	55662342	RAC875_c25507_551	31.8	0.0	No
1A_1	40619408	RAC875_c2734_135	31.8	0.0	No
1A_1	48606368	RAC875_c31276_1128	31.8	0.0	No
1A_1	55663302	RAC875_c41275_131	31.8	0.0	No
1A_1	58697313	RAC875_c43643_176	31.8	0.0	No
1A_1	65809475	RFL_Contig3203_1971	31.8	0.0	No
1A_1	15717375	Tdurum_contig31304_527	31.8	0.0	No
1A_1	25628321	wsnp_Ex_c12165_19452361	31.8	0.0	No
1A_1	26801345	wsnp_Ex_c12336_19686808	31.8	0.0	No
1A_1	32688412	wsnp_Ex_c16592_25117132	31.8	0.0	No
1A_1	50645321	wsnp_Ex_c21193_30320134	31.8	0.0	No
1A_1	23696337	wsnp_Ex_c21336_30465618	31.8	0.0	No
1A_1	31681367	wsnp_Ex_c34344_42677360	31.8	0.0	No
1A_1	49760309	wsnp_Ex_c5192_9203100	31.8	0.0	No
1A_1	20748366	wsnp_Ex_c5192_9203682	31.8	0.0	No
1A_1	18603508	wsnp_Ex_c534_1058778	31.8	0.0	No
1A_1	18680391	wsnp_Ex_c56097_58352130	31.8	0.0	No
1A_1	45623485	wsnp_JD_c13903_13781269	31.8	0.0	No
1A_1	59727349	wsnp_Ku_c21356_31093507	31.8	0.0	No
1A_1	36767440	wsnp_Ku_c24239_34199356	31.8	0.0	No
1A_1	21729357	wsnp_Ku_c2815_5317230	31.8	0.0	No
1A_1	38743479	wsnp_Ra_c37745_45806931	31.8	0.0	No
1A_1	71689351	wsnp_Ra_c7818_13376644	31.8	0.5	No
1A_1	67752328	IACX4386	32.2	1.0	Yes
1A_1	58728356	IAAV213	33.3	0.0	Yes
1A_1	61660371	wsnp_Ex_c25734_34995416	33.3	0.0	No
1A_1	11790437	wsnp_Ex_rep_c73818_71733737	33.3	0.0	No
1A_1	51717319	wsnp_Ku_c557_1166684	33.3	1.4	No
1A_1	21642326	IAAV4099	34.7	0.0	Yes
1A_1	19642410	IAAV7203	34.7	0.0	No

1A_1	28745340	Kukri_c22434_513	34.7	0.0	No
1A_1	15800471	Ra_c2895_591	34.7	0.0	No
1A_1	34743372	wsnp_Ex_c572_1138339	34.7	0.0	No
1A_1	51765355	wsnp_Ex_c572_1138770	34.7	0.0	No
1A_1	12803398	wsnp_Ra_c2895_5488879	34.7	4.1	No
1A_1	wPt-4886	wPt-4886	38.8	0.9	Yes
1A_1	wPt-7074	wPt-7074	39.7	0.5	Yes
1A_1	15646417	Excalibur_c5606_1192	40.3	0.0	Yes
1A_1	69612362	Tdurum_contig16812_256	40.3	2.3	No
1A_1	24638426	Ku_c11769_252	42.5	1.0	Yes
1A_1	34614324	Kukri_c7579_443	43.5	0.0	Yes
1A_1	38742487	RAC875_c10090_963	43.5	0.0	No
1A_1	47768469	RAC875_c14066_452	43.5	0.0	No
1A_1	20636476	RAC875_rep_c111911_116	43.5	0.0	No
1A_1	10623303	Tdurum_contig11004_400	43.5	0.0	No
1A_1	15626445	Tdurum_contig11004_613	43.5	0.0	No
1A_1	72782314	Tdurum_contig34019_260	43.5	0.0	No
1A_1	26680320	Tdurum_contig56382_747	43.5	0.0	No
1A_1	72748493	Tdurum_contig61515_259	43.5	0.0	No
1A_1	48726377	Tdurum_contig61515_522	43.5	0.6	No
1A_1	wPt-8478	wPt-8478	44.1	0.1	Yes
1A_1	wPt-5968	wPt-5968	44.3	1.2	Yes
1A_1	52616361	Excalibur_rep_c77404_218	45.4	0.2	Yes
1A_1	70788380	Kukri_c46010_146	45.6	0.0	Yes
1A_1	30754343	Kukri_c82555_88	45.6	0.0	No
1A_1	61693455	Ra_c22663_367	45.6	0.0	No
1A_1	16775476	Tdurum_contig13946_241	45.6	0.0	No
1A_1	46638437	Tdurum_contig13946_329	45.6	0.0	No
1A_1	32755503	Tdurum_contig29280_216	45.6	0.0	No
1A_1	11713430	Tdurum_contig50355_269	45.6	0.0	No
1A_1	26764360	Tdurum_contig50355_685	45.6	0.0	No
1A_1	26675318	Tdurum_contig77289_179	45.6	0.0	No
1A_1	34658330	wsnp_Ex_c31983_40709607	45.6	0.0	No
1A_1	36719316	wsnp_Ex_c31983_40709866	45.6	2.4	No
1A_1	wPt-3698	wPt-3698	48.0	0.7	Yes
1A_1	69634410	BobWhite_c4384_262	48.8	0.0	Yes
1A_1	34729477	BobWhite_c48591_394	48.8	0.0	No
1A_1	44727502	Excalibur_c7026_2635	48.8	0.0	No
1A_1	69669448	Kukri_c12534_559	48.8	0.0	No
1A_1	36720409	Kukri_c13136_1363	48.8	0.0	No
1A_1	26733495	Kukri_c31964_109	48.8	0.0	No
1A_1	22674464	Kukri_c31964_56	48.8	0.0	No
1A_1	56722431	Tdurum_contig13937_2280	48.8	0.0	No
1A_1	45645320	Tdurum_contig41233_94	48.8	0.0	No

1A_1	14608437	Tdurum_contig8382_300	48.8	0.0	No
1A_1	41701471	wsnp_Ex_c15717_24067142	48.8	0.0	No
1A_1	16747335	wsnp_JD_c9290_10155594	48.8	7.0	No
1A_1	wPt-4735	wPt-4735	55.7	0.4	Yes
1A_1	wPt-3560	wPt-3560	56.2	0.9	Yes
1A_1	15605483	Tdurum_contig75476_167	57.1	0.1	Yes
1A_1	55804396	BobWhite_c3661_88	57.1	0.0	Yes
1A_1	43646336	BobWhite_c46501_92	57.1	0.0	No
1A_1	60674407	BS00003761_51	57.1	0.0	No
1A_1	29645378	BS00003802_51	57.1	0.0	No
1A_1	48725343	BS00022443_51	57.1	0.0	No
1A_1	50616307	BS00022738_51	57.1	0.0	No
1A_1	51685417	BS00022977_51	57.1	0.0	No
1A_1	49633498	BS00026453_51	57.1	0.0	No
1A_1	16633399	BS00026917_51	57.1	0.0	No
1A_1	44608335	BS00077492_51	57.1	0.0	No
1A_1	60612385	BS00082266_51	57.1	0.0	No
1A_1	33610325	BS00100287_51	57.1	0.0	No
1A_1	58655300	CAP7_c1645_359	57.1	0.0	No
1A_1	47707373	Ex_c27351_850	57.1	0.0	No
1A_1	42677363	Excalibur_c105151_200	57.1	0.0	No
1A_1	16647363	Excalibur_c20777_315	57.1	0.0	No
1A_1	42799471	Excalibur_c20777_428	57.1	0.0	No
1A_1	43742451	GENE-0211_139	57.1	0.0	No
1A_1	40755329	IAAV1469	57.1	0.0	No
1A_1	54787428	IAAV6899	57.1	0.0	No
1A_1	34744373	IACX5892	57.1	0.0	No
1A_1	65633318	Kukri_c11891_1015	57.1	0.0	No
1A_1	25629497	Kukri_c18434_200	57.1	0.0	No
1A_1	55700381	RAC875_c108229_54	57.1	0.0	No
1A_1	21730501	RAC875_c2122_159	57.1	0.0	No
1A_1	69734437	RAC875_c29598_147	57.1	0.0	No
1A_1	53650429	RAC875_c54245_88	57.1	0.0	No
1A_1	59718477	RAC875_c59712_105	57.1	0.0	No
1A_1	48768438	Tdurum_contig11756_1415	57.1	0.0	No
1A_1	45666351	Tdurum_contig11756_264	57.1	0.0	No
1A_1	64717383	Tdurum_contig11756_458	57.1	0.0	No
1A_1	46801356	Tdurum_contig15335_452	57.1	0.0	No
1A_1	10656301	Tdurum_contig20965_1446	57.1	0.0	No
1A_1	35608309	Tdurum_contig29484_628	57.1	0.0	No
1A_1	20636403	Tdurum_contig30956_537	57.1	0.0	No
1A_1	11728508	Tdurum_contig50845_215	57.1	0.0	No
1A_1	63791319	Tdurum_contig50845_82	57.1	0.0	No
1A_1	15662319	Tdurum_contig52332_94	57.1	0.0	No

1A_1	41660381	Tdurum_contig61492_458	57.1	0.0	No
1A_1	56653315	Tdurum_contig61492_684	57.1	0.0	No
1A_1	20762469	Tdurum_contig75476_721	57.1	0.0	No
1A_1	73800311	Tdurum_contig83113_134	57.1	0.0	No
1A_1	44696466	tplb0034h06_391	57.1	0.0	No
1A_1	18771424	wsnp_Ex_c5780_10154132	57.1	0.6	No
1A_1	43603325	D_GDEEGVY02H7D8K_299	57.7	0.6	Yes
1A_1	28656406	RAC875_c20875_753	58.3	0.2	Yes
1A_1	43688410	Kukri_c4126_240	58.5	0.0	Yes
1A_1	71740379	BobWhite_c1265_247	58.5	0.0	Yes
1A_1	65606465	BS00023485_51	58.5	0.0	No
1A_1	31717432	BS00065909_51	58.5	0.0	No
1A_1	41791494	BS00081680_51	58.5	0.0	No
1A_1	26798436	BS00103478_51	58.5	0.0	No
1A_1	42755420	Ex_c4876_1221	58.5	0.0	No
1A_1	51770302	Excalibur_c101903_902	58.5	0.0	No
1A_1	22780317	Excalibur_c25891_1402	58.5	0.0	No
1A_1	30785426	IAAV3809	58.5	0.0	No
1A_1	34785374	IACX11001	58.5	0.0	No
1A_1	48690431	IACX6155	58.5	0.0	No
1A_1	58670488	IACX9458	58.5	0.0	No
1A_1	51801361	Jagger_rep_c10343_173	58.5	0.0	No
1A_1	23727442	Kukri_c2121_1334	58.5	0.0	No
1A_1	47684331	Kukri_c2121_2345	58.5	0.0	No
1A_1	15745473	Kukri_c37592_531	58.5	0.0	No
1A_1	62659369	RAC875_c23587_271	58.5	0.0	No
1A_1	26622333	RAC875_c50463_808	58.5	0.0	No
1A_1	34680487	Tdurum_contig42479_1624	58.5	0.0	No
1A_1	25776468	Tdurum_contig42479_2158	58.5	0.0	No
1A_1	23772370	Tdurum_contig42479_3110	58.5	0.0	No
1A_1	47601471	Tdurum_contig42479_3800	58.5	0.0	No
1A_1	14782497	Tdurum_contig44809_1626	58.5	0.0	No
1A_1	20800400	wsnp_Ex_c1137_2183772	58.5	0.0	No
1A_1	54689418	wsnp_Ex_c4876_8692783	58.5	0.0	No
1A_1	37701397	wsnp_Ex_c7965_13520238	58.5	0.1	No
1A_1	38661351	wsnp_Ex_c7252_12452995	58.6		Yes
1A_2	wPt-5577	wPt-5577	0.0	0.0	Yes
1A_2	wPt-8245	wPt-8245	0.0	12.9	Yes
1A_2	45703322	BS00032855_51	12.9	0.0	Yes
1A_2	53803419	Excalibur_rep_c71271_247	12.9	0.0	No
1A_2	57795383	Tdurum_contig47006_1105	12.9	0.0	No
1A_2	58634428	Tdurum_contig47006_1641	12.9	0.0	No
1A_2	56629477	Tdurum_contig47006_2711	12.9	0.0	No
1A_2	74647506	Tdurum_contig9144_1571	12.9	0.0	No

1A_2	15649491	tplb0059i08_441	12.9	0.0	No
1A_2	31635360	wsnp_Ex_c2918_5381441	12.9	0.0	No
1A_2	32752313	wsnp_Ex_c34694_42959047	12.9	4.2	No
1A_2	wPt-4709	wPt-4709	17.1	0.0	Yes
1A_2	wPt-6754	wPt-6754	17.1	0.0	No
1A_2	wPt-3934	wPt-3934	17.1	0.3	No
1A_2	wPt-6853	wPt-6853	17.4	0.0	Yes
1A_2	wPt-1310	wPt-1310	17.4	0.0	No
1A_2	71714499	BobWhite_c1027_1127	17.5	0.0	Yes
1A_2	20667410	BobWhite_c44947_277	17.5	0.0	No
1A_2	18740464	BS00021990_51	17.5	0.0	No
1A_2	48624416	BS00035273_51	17.5	0.0	No
1A_2	45618509	BS00036189_51	17.5	0.0	No
1A_2	44693466	BS00056823_51	17.5	0.0	No
1A_2	41782316	BS00063847_51	17.5	0.0	No
1A_2	51639445	BS00064087_51	17.5	0.0	No
1A_2	14682327	BS00070695_51	17.5	0.0	No
1A_2	23638305	BS00070991_51	17.5	0.0	No
1A_2	55729317	BS00075271_51	17.5	0.0	No
1A_2	54742356	D_contig14466_410	17.5	0.0	No
1A_2	60795497	Excalibur_c10538_1153	17.5	0.0	No
1A_2	29708399	Excalibur_c12932_2102	17.5	0.0	No
1A_2	29779358	Excalibur_c27376_74	17.5	0.0	No
1A_2	24691324	Excalibur_c46365_304	17.5	0.0	No
1A_2	42602322	Excalibur_c46365_442	17.5	0.0	No
1A_2	60647505	Excalibur_rep_c67492_1119	17.5	0.0	No
1A_2	38806444	GENE-0543_1074	17.5	0.0	No
1A_2	48686457	GENE-0543_113	17.5	0.0	No
1A_2	18609402	GENE-0543_577	17.5	0.0	No
1A_2	58801392	IAAV2162	17.5	0.0	No
1A_2	19807301	IAAV4238	17.5	0.0	No
1A_2	25664352	IAAV4435	17.5	0.0	No
1A_2	51759499	IAAV8446	17.5	0.0	No
1A_2	64725372	Ku_c32704_43	17.5	0.0	No
1A_2	25681485	Kukri_c4204_1346	17.5	0.0	No
1A_2	62760340	Kukri_c4204_1673	17.5	0.0	No
1A_2	24796455	Kukri_c4204_1946	17.5	0.0	No
1A_2	17735324	Kukri_c44201_497	17.5	0.0	No
1A_2	18710406	Kukri_c47559_289	17.5	0.0	No
1A_2	70797509	Kukri_c65610_572	17.5	0.0	No
1A_2	71780488	Kukri_c8527_53	17.5	0.0	No
1A_2	18725415	Kukri_rep_c115657_255	17.5	0.0	No
1A_2	22602372	Kukri_rep_c69829_150	17.5	0.0	No
1A_2	30718499	RAC875_c26801_179	17.5	0.0	No

1A_2	22601461	RAC875_c43002_382	17.5	0.0	No
1A_2	16748469	RAC875_c5119_2696	17.5	0.0	No
1A_2	11606334	RAC875_c51346_99	17.5	0.0	No
1A_2	16627361	RAC875_c52947_84	17.5	0.0	No
1A_2	41747469	RAC875_c57566_61	17.5	0.0	No
1A_2	64737310	RAC875_c62550_470	17.5	0.0	No
1A_2	64684349	RAC875_c63359_1446	17.5	0.0	No
1A_2	59788428	Tdurum_contig11349_810	17.5	0.0	No
1A_2	16695449	Tdurum_contig29886_139	17.5	0.0	No
1A_2	72617476	Tdurum_contig70803_475	17.5	0.0	No
1A_2	41600409	Tdurum_contig84252_155	17.5	0.0	No
1A_2	25654461	wsnp_Ex_c11939_19147421	17.5	0.0	No
1A_2	23627463	wsnp_Ex_c11939_19147514	17.5	0.0	No
1A_2	65791428	wsnp_Ex_c11939_19147602	17.5	0.0	No
1A_2	23699323	wsnp_Ex_c11939_19147790	17.5	0.0	No
1A_2	18707407	wsnp_Ex_c12932_20486842	17.5	0.0	No
1A_2	12720366	wsnp_Ex_c1557_2973321	17.5	0.0	No
1A_2	21789500	wsnp_Ex_c1861_3507281	17.5	0.0	No
1A_2	26752462	wsnp_Ex_c271_521429	17.5	0.0	No
1A_2	15651460	wsnp_Ex_rep_c67492_66096650	17.5	0.0	No
1A_2	23709468	wsnp_Ku_c12441_20092792	17.5	0.0	No
1A_2	23682314	wsnp_Ku_c5687_10068945	17.5	0.0	No
1A_2	49688432	wsnp_Ku_c754_1557338	17.5	0.0	No
1A_2	44804502	wsnp_Ra_c59303_60669172	17.5	0.0	No
1A_2	66772335	wsnp_RFL_Contig3850_4199825	17.5	0.0	No
1A_2	56720494	wsnp_RFL_Contig3881_4265086	17.5	0.0	No
1A_2	wPt-0497	wPt-0497	17.5	0.0	Yes
1A_2	wPt-1011	wPt-1011	17.5	0.0	Yes
1A_2	wPt-8644	wPt-8644	17.5	0.0	Yes
1A_2	wPt-6274	wPt-6274	17.5	0.0	Yes
1A_2	wPt-5077	wPt-5077	17.5	0.0	Yes
1A_2	wPt-9985	wPt-9985	17.6	0.1	Yes
1A_2	wPt-1010	wPt-1010	17.7	0.0	Yes
1A_2	tPt-1419	tPt-1419	17.7	0.1	Yes
1A_2	13633462	BS00084995_51	17.8	1.2	Yes
1A_2	tPt-7724	tPt-7724	19.0	0.4	Yes
1A_2	64695411	BS00011521_51	19.5	0.0	Yes
1A_2	36774301	BS00022824_51	19.5	0.0	No
1A_2	29727381	BS00068074_51	19.5	0.0	No
1A_2	38643481	BS00106641_51	19.5	0.0	No
1A_2	13760348	Kukri_c17324_261	19.5	0.0	No
1A_2	55807505	Kukri_c47669_204	19.5	0.0	No
1A_2	69647505	RAC875_c68350_61	19.5	0.0	No
1A_2	60743409	wsnp_Ex_c18499_27344859	19.5	0.0	No

1A_2	53720314	wsnp_Ex_c9918_16332583	19.5		No
1B_1	35646347	BS00022022_51	0.0	0.0	Yes
1B_1	60677411	BS00022343_51	0.0	0.0	No
1B_1	34732303	BS00022619_51	0.0	0.0	No
1B_1	19712348	BS00022878_51	0.0	0.0	No
1B_1	26640360	BS00022920_51	0.0	0.0	No
1B_1	55720311	BS00085546_51	0.0	0.0	No
1B_1	58672440	BS00090201_51	0.0	0.0	No
1B_1	33761427	BS00107799_51	0.0	0.0	No
1B_1	10615389	Excalibur_c14801_451	0.0	0.0	No
1B_1	34603436	GENE-0107_807	0.0	0.0	No
1B_1	23692363	IACX3408	0.0	0.0	No
1B_1	45808418	JD_c3116_778	0.0	0.0	No
1B_1	26603328	Ku_c20478_390	0.0	0.0	No
1B_1	25646335	Kukri_c13188_256	0.0	0.0	No
1B_1	59662471	Kukri_c7905_226	0.0	0.0	No
1B_1	49668320	RAC875_c19014_725	0.0	0.0	No
1B_1	30607335	RAC875_c87890_234	0.0	0.0	No
1B_1	70758384	RAC875_rep_c119728_146	0.0	0.0	No
1B_1	69730489	TA003238-0490	0.0	0.0	No
1B_1	72680412	TA003725-0553	0.0	0.0	No
1B_1	60794344	Tdurum_contig10026_1493	0.0	0.0	No
1B_1	34796371	Tdurum_contig29363_461	0.0	0.0	No
1B_1	67785333	Tdurum_contig29363_511	0.0	0.0	No
1B_1	13668440	Tdurum_contig30195_318	0.0	0.0	No
1B_1	46785360	Tdurum_contig31094_386	0.0	0.0	No
1B_1	14627472	Tdurum_contig32584_219	0.0	0.0	No
1B_1	42719430	Tdurum_contig44232_132	0.0	0.0	No
1B_1	45640485	Tdurum_contig59449_1462	0.0	0.0	No
1B_1	16631411	Tdurum_contig59449_249	0.0	0.0	No
1B_1	29626491	Tdurum_contig59449_400	0.0	0.0	No
1B_1	42706445	Tdurum_contig60509_232	0.0	0.0	No
1B_1	70613477	Tdurum_contig81102_102	0.0	0.0	No
1B_1	44794349	Tdurum_contig83937_560	0.0	0.0	No
1B_1	35677402	Tdurum_contig9506_524	0.0	0.0	No
1B_1	40617376	Tdurum_contig98080_171	0.0	0.0	No
1B_1	35743455	wsnp_Ex_c4561_8184576	0.0	0.0	No
1B_1	33659480	wsnp_Ex_c5679_9976893	0.0	0.0	No
1B_1	24750315	wsnp_Ex_c6611_11451949	0.0	0.0	No
1B_1	47651362	wsnp_Ex_c6611_11452297	0.0	0.0	No
1B_1	55608502	wsnp_Ra_c19148_28288923	0.0	2.0	No
1B_1	wPt-2389	wPt-2389	2.0	1.5	Yes
1B_1	wPt-3451	wPt-3451	3.5	1.2	Yes
1B_1	15663311	BobWhite_c346_253	4.7	0.0	Yes

1B_1	55607329	BS00069723_51	4.7	0.0	No
1B_1	45690460	GENE-0505_443	4.7	0.0	No
1B_1	48706507	Kukri_c27851_69	4.7	0.0	No
1B_1	56748340	Kukri_c51474_334	4.7	0.0	No
1B_1	72779318	Kukri_c62050_194	4.7	0.0	No
1B_1	64617498	Ra_c3083_982	4.7	0.0	No
1B_1	38807409	RAC875_c865_1936	4.7	0.0	No
1B_1	17727358	RAC875_s105188_92	4.7	0.0	No
1B_1	57612350	Tdurum_contig115_131	4.7	0.0	No
1B_1	51784443	Tdurum_contig20191_171	4.7	0.0	No
1B_1	64792441	Tdurum_contig63335_321	4.7	0.0	No
1B_1	47640345	Tdurum_contig68228_206	4.7	0.0	No
1B_1	50670331	wsnp_CAP11_c4558_2144436	4.7	0.0	No
1B_1	26656428	wsnp_Ex_c2025_3799847	4.7	0.0	No
1B_1	21637398	wsnp_Ex_c3681_6715277	4.7	0.0	No
1B_1	74678507	wsnp_Ex_c3681_6716255	4.7	0.0	No
1B_1	28686327	wsnp_Ex_rep_c66846_65240088	4.7	0.0	No
1B_1	51632392	wsnp_Ra_c2027_3943938	4.7	0.0	No
1B_1	65786326	wsnp_Ra_c2027_3945713	4.7	0.0	No
1B_1	26758443	wsnp_Ra_c23758_33291657	4.7	0.8	No
1B_1	35651359	Kukri_rep_c69810_502	5.6	0.0	Yes
1B_1	52746436	BobWhite_c1967_175	5.6	0.0	Yes
1B_1	15687442	BobWhite_c1967_388	5.6	0.0	No
1B_1	52765302	BS00011918_51	5.6	0.0	No
1B_1	70745412	BS00023142_51	5.6	0.0	No
1B_1	23619423	BS00034925_51	5.6	0.0	No
1B_1	28679504	BS00071465_51	5.6	0.0	No
1B_1	50746407	BS00078431_51	5.6	0.0	No
1B_1	66725472	BS00107420_51	5.6	0.0	No
1B_1	71692392	CAP7_c3456_113	5.6	0.0	No
1B_1	28803308	Excalibur_c50665_1323	5.6	0.0	No
1B_1	16768491	Excalibur_rep_c105376_485	5.6	0.0	No
1B_1	71719510	GENE-0142_178	5.6	0.0	No
1B_1	42606341	IAAV7383	5.6	0.0	No
1B_1	55701475	IAAV8763	5.6	0.0	No
1B_1	48721450	IACX15424	5.6	0.0	No
1B_1	41787337	Kukri_c667_1073	5.6	0.0	No
1B_1	71657486	Kukri_c67707_114	5.6	0.0	No
1B_1	51703394	Ra_c26829_375	5.6	0.0	No
1B_1	36614467	RAC875_c3617_396	5.6	0.0	No
1B_1	45742414	RAC875_c56417_377	5.6	0.0	No
1B_1	67801469	TA001197-0204	5.6	0.0	No
1B_1	69621413	Tdurum_contig15593_407	5.6	0.0	No
1B_1	32690478	Tdurum_contig28316_228	5.6	0.0	No

1B_1	43710338	Tdurum_contig28316_243	5.6	0.0	No
1B_1	72751327	Tdurum_contig28316_442	5.6	0.0	No
1B_1	24758365	Tdurum_contig44255_814	5.6	0.0	No
1B_1	73620300	Tdurum_contig53864_617	5.6	0.0	No
1B_1	48687502	Tdurum_contig56873_1237	5.6	0.0	No
1B_1	31678329	Tdurum_contig56874_562	5.6	0.0	No
1B_1	15725507	Tdurum_contig57183_368	5.6	0.0	No
1B_1	35646494	Tdurum_contig57183_581	5.6	0.0	No
1B_1	42690342	Tdurum_contig60052_184	5.6	0.0	No
1B_1	25778440	Tdurum_contig76481_798	5.6	0.0	No
1B_1	71659408	wsnp_BE446240B_Ta_2_1	5.6	0.0	No
1B_1	45788478	wsnp_BE446240B_Ta_2_3	5.6	0.0	No
1B_1	17634427	wsnp_Ku_c20139_29729256	5.6	0.0	No
1B_1	54644413	wsnp_Ku_c24323_34285350	5.6	1.1	No
1B_1	14767431	Tdurum_contig10217_1081	6.7	4.3	Yes
1B_1	56631345	BS00071082_51	10.9	0.0	Yes
1B_1	12765501	BS00087015_51	10.9	0.0	No
1B_1	56763456	RAC875_c24337_1280	10.9	0.0	No
1B_1	22621499	Tdurum_contig25434_209	10.9	1.3	No
1B_1	53654304	BS00062740_51	12.2	0.0	Yes
1B_1	11619400	Excalibur_c29029_424	12.2	0.0	No
1B_1	34654371	Excalibur_c39191_82	12.2	0.0	No
1B_1	68786360	Kukri_rep_c108436_534	12.2	0.0	No
1B_1	13733383	RAC875_c22350_1108	12.2	0.0	No
1B_1	72672331	RAC875_c39721_709	12.2	0.0	No
1B_1	19758492	Tdurum_contig52053_149	12.2	0.0	No
1B_1	12751435	Tdurum_contig57247_383	12.2	0.0	No
1B_1	72626353	Tdurum_contig57247_482	12.2	0.2	No
1B_1	65728455	BS00065117_51	12.4	0.7	Yes
1B_1	39714370	wsnp_Ex_c24700_33953160	13.1	0.0	Yes
1B_1	29702343	BobWhite_c1456_615	13.1	0.0	Yes
1B_1	46691309	BobWhite_c15603_69	13.1	0.0	No
1B_1	16727510	BobWhite_c18583_280	13.1	0.0	No
1B_1	27728422	BobWhite_c22981_218	13.1	0.0	No
1B_1	74764364	BobWhite_c3669_329	13.1	0.0	No
1B_1	71673408	BobWhite_c7333_76	13.1	0.0	No
1B_1	62656468	BobWhite_rep_c66146_237	13.1	0.0	No
1B_1	49668308	BS00003600_51	13.1	0.0	No
1B_1	29613350	BS00009731_51	13.1	0.0	No
1B_1	11742331	BS00011333_51	13.1	0.0	No
1B_1	26671469	BS00018461_51	13.1	0.0	No
1B_1	24726408	BS00022023_51	13.1	0.0	No
1B_1	67667349	BS00022085_51	13.1	0.0	No
1B_1	31615463	BS00022722_51	13.1	0.0	No

1B_1	26701468	BS00023302_51	13.1	0.0	No
1B_1	72635403	BS00029345_51	13.1	0.0	No
1B_1	38670447	BS00034018_51	13.1	0.0	No
1B_1	74638307	BS00036121_51	13.1	0.0	No
1B_1	64615443	BS00036333_51	13.1	0.0	No
1B_1	17743365	BS00037306_51	13.1	0.0	No
1B_1	39649386	BS00038778_51	13.1	0.0	No
1B_1	58673346	BS00041010_51	13.1	0.0	No
1B_1	51741348	BS00047700_51	13.1	0.0	No
1B_1	24773378	BS00050126_51	13.1	0.0	No
1B_1	49753429	BS00050457_51	13.1	0.0	No
1B_1	71784323	BS00052089_51	13.1	0.0	No
1B_1	33701308	BS00062770_51	13.1	0.0	No
1B_1	47756432	BS00062942_51	13.1	0.0	No
1B_1	38800331	BS00063866_51	13.1	0.0	No
1B_1	22650468	BS00065139_51	13.1	0.0	No
1B_1	65650376	BS00066040_51	13.1	0.0	No
1B_1	42724496	BS00068779_51	13.1	0.0	No
1B_1	38640474	BS00070623_51	13.1	0.0	No
1B_1	47620484	BS00073373_51	13.1	0.0	No
1B_1	53808387	BS00073603_51	13.1	0.0	No
1B_1	56616506	BS00077353_51	13.1	0.0	No
1B_1	63622481	BS00087451_51	13.1	0.0	No
1B_1	51751355	BS00088264_51	13.1	0.0	No
1B_1	70608496	BS00091640_51	13.1	0.0	No
1B_1	43765346	BS00101500_51	13.1	0.0	No
1B_1	52610315	CAP12_c3646_110	13.1	0.0	No
1B_1	67611465	CAP7_rep_c12580_266	13.1	0.0	No
1B_1	13632336	CAP7_rep_c7114_55	13.1	0.0	No
1B_1	53688424	CAP8_c4506_82	13.1	0.0	No
1B_1	37644441	Ex_c19477_336	13.1	0.0	No
1B_1	60663454	Ex_c2051_225	13.1	0.0	No
1B_1	38746347	Ex_c34070_464	13.1	0.0	No
1B_1	51673310	Excalibur_c15885_1145	13.1	0.0	No
1B_1	11663305	Excalibur_c1729_841	13.1	0.0	No
1B_1	46629453	Excalibur_c20228_135	13.1	0.0	No
1B_1	17741338	Excalibur_c23779_474	13.1	0.0	No
1B_1	43728319	Excalibur_c27675_912	13.1	0.0	No
1B_1	69726492	Excalibur_c3140_697	13.1	0.0	No
1B_1	27774368	Excalibur_c33494_224	13.1	0.0	No
1B_1	29786473	Excalibur_c40240_78	13.1	0.0	No
1B_1	43805338	Excalibur_c4082_370	13.1	0.0	No
1B_1	25803503	Excalibur_c41211_311	13.1	0.0	No
1B_1	50696416	Excalibur_c5052_151	13.1	0.0	No

1B_1	50620406	Excalibur_c55805_316	13.1	0.0	No
1B_1	16671392	Excalibur_c6497_535	13.1	0.0	No
1B_1	45807398	Excalibur_rep_c66306_499	13.1	0.0	No
1B_1	21672454	Excalibur_rep_c74235_231	13.1	0.0	No
1B_1	23701508	GENE-0116_102	13.1	0.0	No
1B_1	43782391	GENE-1214_159	13.1	0.0	No
1B_1	25688325	IAAV2546	13.1	0.0	No
1B_1	40792467	IAAV4491	13.1	0.0	No
1B_1	39727493	IAAV5269	13.1	0.0	No
1B_1	17687316	IAAV6919	13.1	0.0	No
1B_1	42627300	IAAV7757	13.1	0.0	No
1B_1	42728364	IAAV8440	13.1	0.0	No
1B_1	67742342	IAAV8661	13.1	0.0	No
1B_1	41677463	IACX1008	13.1	0.0	No
1B_1	19786432	IACX8452	13.1	0.0	No
1B_1	21653300	IACX9203	13.1	0.0	No
1B_1	19764305	JD_c10376_670	13.1	0.0	No
1B_1	63607400	JD_c29157_213	13.1	0.0	No
1B_1	45763384	Ku_c12031_980	13.1	0.0	No
1B_1	17765392	Ku_c20833_518	13.1	0.0	No
1B_1	16707350	Ku_c28949_178	13.1	0.0	No
1B_1	21719483	Ku_c31251_565	13.1	0.0	No
1B_1	17713489	Ku_c56327_481	13.1	0.0	No
1B_1	36714412	Ku_c62848_956	13.1	0.0	No
1B_1	17658449	Kukri_c100591_224	13.1	0.0	No
1B_1	51665469	Kukri_c10308_342	13.1	0.0	No
1B_1	27649302	Kukri_c10593_1064	13.1	0.0	No
1B_1	56795437	Kukri_c11580_451	13.1	0.0	No
1B_1	62619345	Kukri_c11580_818	13.1	0.0	No
1B_1	69774380	Kukri_c12063_1652	13.1	0.0	No
1B_1	34635449	Kukri_c13156_129	13.1	0.0	No
1B_1	47808466	Kukri_c13349_176	13.1	0.0	No
1B_1	33713439	Kukri_c13976_96	13.1	0.0	No
1B_1	34805328	Kukri_c19641_477	13.1	0.0	No
1B_1	60777432	Kukri_c21709_185	13.1	0.0	No
1B_1	44654366	Kukri_c2297_181	13.1	0.0	No
1B_1	58613498	Kukri_c2535_98	13.1	0.0	No
1B_1	23696319	Kukri_c27690_411	13.1	0.0	No
1B_1	56707493	Kukri_c28541_635	13.1	0.0	No
1B_1	43759446	Kukri_c30982_1173	13.1	0.0	No
1B_1	48756309	Kukri_c49091_415	13.1	0.0	No
1B_1	41787386	Kukri_c5398_1061	13.1	0.0	No
1B_1	37771338	Kukri_c62285_336	13.1	0.0	No
1B_1	62624384	Kukri_c62848_106	13.1	0.0	No

1B_1	15802325	Kukri_c62848_1581	13.1	0.0	No
1B_1	15690350	Kukri_c62848_1632	13.1	0.0	No
1B_1	52759426	Kukri_c65759_98	13.1	0.0	No
1B_1	51762376	Kukri_c7428_604	13.1	0.0	No
1B_1	73767352	Kukri_c78742_146	13.1	0.0	No
1B_1	17695313	Kukri_c7902_438	13.1	0.0	No
1B_1	41610479	Kukri_c8308_245	13.1	0.0	No
1B_1	53798314	Kukri_rep_c101550_113	13.1	0.0	No
1B_1	71647495	Kukri_rep_c104432_114	13.1	0.0	No
1B_1	41762412	Kukri_rep_c104432_409	13.1	0.0	No
1B_1	63717383	Kukri_rep_c106406_265	13.1	0.0	No
1B_1	13805483	Kukri_rep_c107366_103	13.1	0.0	No
1B_1	61704337	Kukri_rep_c111517_289	13.1	0.0	No
1B_1	41723440	Kukri_rep_c68583_931	13.1	0.0	No
1B_1	49772492	Kukri_rep_c69383_56	13.1	0.0	No
1B_1	41764348	Kukri_rep_c70738_896	13.1	0.0	No
1B_1	16637500	Kukri_rep_c71291_155	13.1	0.0	No
1B_1	34732469	Kukri_rep_c88171_730	13.1	0.0	No
1B_1	12740447	Kukri_rep_c91496_1320	13.1	0.0	No
1B_1	67668327	Kukri_rep_c95031_104	13.1	0.0	No
1B_1	35638360	Ra_c1195_200	13.1	0.0	No
1B_1	51740351	Ra_c33845_794	13.1	0.0	No
1B_1	10673413	Ra_c4348_920	13.1	0.0	No
1B_1	22809436	RAC875_c11749_97	13.1	0.0	No
1B_1	38687425	RAC875_c16677_56	13.1	0.0	No
1B_1	71746472	RAC875_c18282_1390	13.1	0.0	No
1B_1	67768392	RAC875_c20420_87	13.1	0.0	No
1B_1	36724419	RAC875_c21131_3615	13.1	0.0	No
1B_1	14772432	RAC875_c21274_235	13.1	0.0	No
1B_1	53782388	RAC875_c22244_61	13.1	0.0	No
1B_1	50715466	RAC875_c2331_2570	13.1	0.0	No
1B_1	38693379	RAC875_c24109_600	13.1	0.0	No
1B_1	14794374	RAC875_c25708_503	13.1	0.0	No
1B_1	27725330	RAC875_c2972_225	13.1	0.0	No
1B_1	11743304	RAC875_c3457_303	13.1	0.0	No
1B_1	64668346	RAC875_c3457_65	13.1	0.0	No
1B_1	21684355	RAC875_c36442_127	13.1	0.0	No
1B_1	15612385	RAC875_c42206_305	13.1	0.0	No
1B_1	50728306	RAC875_c44575_396	13.1	0.0	No
1B_1	26661488	RAC875_c44575_561	13.1	0.0	No
1B_1	33719451	RAC875_c49601_837	13.1	0.0	No
1B_1	67726451	RAC875_c50365_521	13.1	0.0	No
1B_1	44601377	RAC875_c50514_88	13.1	0.0	No
1B_1	24714505	RAC875_c5227_1385	13.1	0.0	No

1B_1	45780403	RAC875_c63421_83	13.1	0.0	No
1B_1	40802411	RAC875_rep_c108085_570	13.1	0.0	No
1B_1	66608322	RAC875_rep_c110216_250	13.1	0.0	No
1B_1	16636348	RAC875_rep_c117462_124	13.1	0.0	No
1B_1	37779467	RAC875_rep_c117617_183	13.1	0.0	No
1B_1	57613348	RAC875_rep_c70803_1442	13.1	0.0	No
1B_1	10637318	RAC875_rep_c75762_175	13.1	0.0	No
1B_1	31603328	RAC875_rep_c87552_86	13.1	0.0	No
1B_1	18672453	RFL_Contig1354_484	13.1	0.0	No
1B_1	32795404	RFL_Contig1354_663	13.1	0.0	No
1B_1	55731416	RFL_Contig2784_641	13.1	0.0	No
1B_1	57630348	TA001643-0728	13.1	0.0	No
1B_1	47667491	TA003659-1136	13.1	0.0	No
1B_1	28751364	TA004184-0525	13.1	0.0	No
1B_1	56672327	Tdurum_contig10326_151	13.1	0.0	No
1B_1	23691384	Tdurum_contig11660_200	13.1	0.0	No
1B_1	57636308	Tdurum_contig11692_131	13.1	0.0	No
1B_1	32647488	Tdurum_contig11877_414	13.1	0.0	No
1B_1	45629331	Tdurum_contig11877_429	13.1	0.0	No
1B_1	71630348	Tdurum_contig11877_785	13.1	0.0	No
1B_1	51682447	Tdurum_contig13391_680	13.1	0.0	No
1B_1	55644336	Tdurum_contig13405_483	13.1	0.0	No
1B_1	34687340	Tdurum_contig14650_689	13.1	0.0	No
1B_1	40614391	Tdurum_contig19102_84	13.1	0.0	No
1B_1	63781466	Tdurum_contig20752_248	13.1	0.0	No
1B_1	58627431	Tdurum_contig25337_77	13.1	0.0	No
1B_1	15702486	Tdurum_contig288_253	13.1	0.0	No
1B_1	60627481	Tdurum_contig29712_129	13.1	0.0	No
1B_1	39782322	Tdurum_contig29769_202	13.1	0.0	No
1B_1	69707362	Tdurum_contig31201_201	13.1	0.0	No
1B_1	62806418	Tdurum_contig31201_380	13.1	0.0	No
1B_1	65698324	Tdurum_contig31624_230	13.1	0.0	No
1B_1	58688468	Tdurum_contig42182_6396	13.1	0.0	No
1B_1	70639498	Tdurum_contig42289_1857	13.1	0.0	No
1B_1	65662494	Tdurum_contig42289_936	13.1	0.0	No
1B_1	66609376	Tdurum_contig42856_1271	13.1	0.0	No
1B_1	22803497	Tdurum_contig46780_203	13.1	0.0	No
1B_1	41762331	Tdurum_contig47035_428	13.1	0.0	No
1B_1	31803334	Tdurum_contig47456_182	13.1	0.0	No
1B_1	18781446	Tdurum_contig48959_515	13.1	0.0	No
1B_1	60684416	Tdurum_contig51348_327	13.1	0.0	No
1B_1	59773412	Tdurum_contig53888_107	13.1	0.0	No
1B_1	43777427	Tdurum_contig53888_350	13.1	0.0	No
1B_1	46607499	Tdurum_contig60809_255	13.1	0.0	No

1B_1	48633505	Tdurum_contig60809_268	13.1	0.0	No
1B_1	37664308	Tdurum_contig63991_186	13.1	0.0	No
1B_1	43715302	Tdurum_contig63991_280	13.1	0.0	No
1B_1	21731394	Tdurum_contig63991_404	13.1	0.0	No
1B_1	70759502	Tdurum_contig65023_587	13.1	0.0	No
1B_1	39732469	Tdurum_contig6949_697	13.1	0.0	No
1B_1	40766362	Tdurum_contig76507_442	13.1	0.0	No
1B_1	24675318	Tdurum_contig83096_345	13.1	0.0	No
1B_1	54705475	Tdurum_contig83096_388	13.1	0.0	No
1B_1	39716505	Tdurum_contig83763_107	13.1	0.0	No
1B_1	44622452	Tdurum_contig84184_124	13.1	0.0	No
1B_1	28600447	tplb0024i16_1177	13.1	0.0	No
1B_1	24654501	tplb0024i16_800	13.1	0.0	No
1B_1	31665424	tplb0030i08_367	13.1	0.0	No
1B_1	72760474	tplb0059c20_2221	13.1	0.0	No
1B_1	35670496	wsnp_be443797B_Ta_2_1	13.1	0.0	No
1B_1	33691473	wsnp_BE497109B_Ta_2_5	13.1	0.0	No
1B_1	48608491	wsnp_BG607036B_Ta_1_1	13.1	0.0	No
1B_1	40621386	wsnp_CAP11_c1043_618449	13.1	0.0	No
1B_1	14804331	wsnp_Ex_c10233_16784994	13.1	0.0	No
1B_1	63673450	wsnp_Ex_c11177_18096010	13.1	0.0	No
1B_1	62790372	wsnp_Ex_c14_27570	13.1	0.0	No
1B_1	41703508	wsnp_Ex_c1429_2744367	13.1	0.0	No
1B_1	25718416	wsnp_Ex_c15934_24341135	13.1	0.0	No
1B_1	28603322	wsnp_Ex_c30805_39678077	13.1	0.0	No
1B_1	34606451	wsnp_Ex_c38116_45719983	13.1	0.0	No
1B_1	46635328	wsnp_Ex_c6022_10552811	13.1	0.0	No
1B_1	30610420	wsnp_Ex_c9979_16421462	13.1	0.0	No
1B_1	27649456	wsnp_Ex_rep_c68573_67416138	13.1	0.0	No
1B_1	35750434	wsnp_Ex_rep_c69266_68192766	13.1	0.0	No
1B_1	73766392	wsnp_JD_c8926_9848514	13.1	0.0	No
1B_1	34800337	wsnp_Ku_c1772_3465811	13.1	0.0	No
1B_1	49734344	wsnp_Ku_c30982_40765254	13.1	0.0	No
1B_1	30608335	wsnp_Ku_c30982_40765341	13.1	0.0	No
1B_1	14716471	wsnp_Ku_c3710_6836438	13.1	0.0	No
1B_1	13804371	wsnp_Ku_c62848_63784645	13.1	0.0	No
1B_1	64752461	wsnp_Ku_c66585_65967792	13.1	0.0	No
1B_1	74690481	wsnp_RFL_Contig4726_5654774	13.1	0.0	No
1B_1	61765495	TA013374-0567	13.2	0.0	Yes
1B_1	58695430	GENE-4465_342	13.2	0.0	Yes
1B_1	74704311	Ku_c8767_1245	13.2	1.2	Yes
1B_1	19699505	Tdurum_contig97143_402	14.4	1.3	Yes
1B_1	35609456	Kukri_c51268_248	15.7	13.7	Yes
1B_1	30781435	Tdurum_contig604_71	29.4	0.5	Yes

1B_1	61640428	BS00009699_51	29.8	0.0	Yes
1B_1	74747491	Kukri_c33670_506	29.8	0.0	No
1B_1	11773424	Tdurum_contig12598_378	29.8	0.0	No
1B_1	30672389	Tdurum_contig12598_408	29.8	0.0	No
1B_1	30740352	Tdurum_contig13608_195	29.8	0.0	No
1B_1	59799504	Tdurum_contig42446_1915	29.8	0.0	No
1B_1	74808387	Tdurum_contig42446_1999	29.8	1.6	No
1B_1	43781489	BS00067012_51	31.4	0.0	Yes
1B_1	46678449	Ex_c64327_523	31.4	0.0	No
1B_1	72700310	Excalibur_c14273_1928	31.4	0.0	No
1B_1	20617445	IAAV468	31.4	0.0	No
1B_1	43749361	RAC875_c51663_87	31.4	0.0	No
1B_1	22725311	Tdurum_contig61410_59	31.4	0.0	No
1B_1	46678463	wsnp_BE405834B_Ta_2_2	31.4	0.0	No
1B_1	71763325	wsnp_BE405834B_Ta_2_3	31.4	0.1	No
1B_1	40644458	Excalibur_c34148_481	31.5	0.0	Yes
1B_1	18693324	RAC875_c41129_455	31.5	6.7	No
1B_1	wPt-9864	wPt-9864	38.2	5.4	Yes
1B_1	40707404	D_contig70818_696	43.6	0.0	Yes
1B_1	35795483	Tdurum_contig41904_446	43.6	10.8	No
1B_1	21697486	BS00030948_51	54.4	0.0	Yes
1B_1	68614470	Excalibur_c10065_570	54.4	0.0	No
1B_1	12769495	Excalibur_c23515_1177	54.4	0.0	No
1B_1	53623446	Excalibur_c44711_453	54.4	0.0	No
1B_1	73632484	Jagger_c8952_170	54.4	0.0	No
1B_1	72710465	Kukri_c2464_592	54.4	0.0	No
1B_1	23614385	Kukri_c79135_136	54.4	1.1	No
1B_1	19608410	TA015410-0477	55.5	5.9	Yes
1B_1	52674305	BobWhite_c28295_256	61.4	0.0	Yes
1B_1	45614367	BS00064398_51	61.4	0.0	No
1B_1	45660475	BS00105846_51	61.4	0.0	No
1B_1	67698482	GENE-0387_81	61.4	0.0	No
1B_1	19601508	Kukri_c34536_259	61.4	0.0	No
1B_1	46702348	Kukri_c8211_761	61.4	0.0	No
1B_1	43727495	Tdurum_contig50555_1144	61.4	0.0	No
1B_1	66760403	Tdurum_contig50555_632	61.4	0.0	No
1B_1	24700328	Tdurum_contig58525_304	61.4	0.0	No
1B_1	67701303	wsnp_Ex_c1493_2862065	61.4	2.8	No
1B_1	61629397	BS00062727_51	64.2	0.1	Yes
1B_1	48785372	BS00029539_51	64.3	0.0	Yes
1B_1	45692333	BS00062726_51	64.3	0.0	No
1B_1	62627346	BS00072113_51	64.3	0.0	No
1B_1	70785458	Excalibur_c26496_352	64.3	0.0	No
1B_1	26730461	Kukri_c7393_851	64.3	5.6	No

1B_1	tPt-5249	tPt-5249	69.9	2.3	Yes
1B_1	55795400	BS00022323_51	72.1	0.0	Yes
1B_1	65690363	BS00023004_51	72.1	0.0	No
1B_1	49733364	BS00023084_51	72.1	0.0	No
1B_1	37610342	BS00030768_51	72.1	0.0	No
1B_1	59756341	BS00074511_51	72.1	0.0	No
1B_1	34662428	BS00095286_51	72.1	0.0	No
1B_1	72666366	BS00100994_51	72.1	0.0	No
1B_1	54628315	BS00105813_51	72.1	0.0	No
1B_1	59711491	BS00108242_51	72.1	0.0	No
1B_1	16740369	Excalibur_c28255_430	72.1	0.0	No
1B_1	70725311	Excalibur_c28255_482	72.1	0.0	No
1B_1	66684461	Excalibur_c2868_1808	72.1	0.0	No
1B_1	19688483	Excalibur_c2868_486	72.1	0.0	No
1B_1	45658508	Excalibur_c43567_679	72.1	0.0	No
1B_1	48806361	Excalibur_c43567_913	72.1	0.0	No
1B_1	31657337	Excalibur_c54611_735	72.1	0.0	No
1B_1	37627401	Excalibur_rep_c105429_528	72.1	0.0	No
1B_1	21682503	Excalibur_rep_c110294_82	72.1	0.0	No
1B_1	30681388	GENE-1118_58	72.1	0.0	No
1B_1	47740397	IAAV3773	72.1	0.0	No
1B_1	51703351	IAAV392	72.1	0.0	No
1B_1	40606456	IAAV423	72.1	0.0	No
1B_1	31689394	IAAV8117	72.1	0.0	No
1B_1	17609456	Ku_c17846_363	72.1	0.0	No
1B_1	53796318	Ku_c17846_781	72.1	0.0	No
1B_1	16751368	Ku_c36151_460	72.1	0.0	No
1B_1	19700315	Kukri_c35451_437	72.1	0.0	No
1B_1	14755405	Ra_c6355_647	72.1	0.0	No
1B_1	51646322	RAC875_c11276_340	72.1	0.0	No
1B_1	69719367	RAC875_c11782_701	72.1	0.0	No
1B_1	24683381	RAC875_c1471_566	72.1	0.0	No
1B_1	14654435	RAC875_c16981_691	72.1	0.0	No
1B_1	16662370	RAC875_c3692_2287	72.1	0.0	No
1B_1	58743305	RAC875_c5016_314	72.1	0.0	No
1B_1	55692455	RAC875_c62503_372	72.1	0.0	No
1B_1	22671446	RAC875_c8222_773	72.1	0.0	No
1B_1	32635476	RAC875_c9457_457	72.1	0.0	No
1B_1	60729480	RAC875_rep_c104133_1757	72.1	0.0	No
1B_1	12770435	RAC875_rep_c74067_541	72.1	0.0	No
1B_1	45796474	TA006040-0724	72.1	0.0	No
1B_1	23721435	Tdurum_contig10767_538	72.1	0.0	No
1B_1	29744445	Tdurum_contig31941_276	72.1	0.0	No
1B_1	28783422	Tdurum_contig8791_415	72.1	0.0	No

1B_1	16752342	wsnp_Ku_c13229_21142792	72.1	0.0	No
1B_1	63774326	Ku_c28007_1398	72.1	0.1	Yes
1B_1	38800415	wsnp_Ex_c2868_5293485	72.2	1.0	Yes
1B_1	39668402	BobWhite_c65478_119	73.3	0.0	Yes
1B_1	58608431	BS00012321_51	73.3	0.0	No
1B_1	19795491	BS00022820_51	73.3	0.0	No
1B_1	53723451	BS00026180_51	73.3	0.0	No
1B_1	20746313	BS00050522_51	73.3	0.0	No
1B_1	34743454	BS00067201_51	73.3	0.0	No
1B_1	29663390	BS00071161_51	73.3	0.0	No
1B_1	39600498	BS00071333_51	73.3	0.0	No
1B_1	48687369	BS00076192_51	73.3	0.0	No
1B_1	15690446	BS00083177_51	73.3	0.0	No
1B_1	27645338	BS00093336_51	73.3	0.0	No
1B_1	39804357	CAP11_rep_c7878_143	73.3	0.0	No
1B_1	51639352	Excalibur_c12376_569	73.3	0.0	No
1B_1	54662348	Excalibur_c29707_318	73.3	0.0	No
1B_1	13609478	Excalibur_c35316_388	73.3	0.0	No
1B_1	49786457	GENE-0014_474	73.3	0.0	No
1B_1	26668498	GENE-0412_338	73.3	0.0	No
1B_1	69647494	IACX11116	73.3	0.0	No
1B_1	11810408	Jagger_c5878_119	73.3	0.0	No
1B_1	73615362	Kukri_c26168_423	73.3	0.0	No
1B_1	40618375	Kukri_c44369_131	73.3	0.0	No
1B_1	39708408	Kukri_c54820_382	73.3	0.0	No
1B_1	42600431	Kukri_c64049_279	73.3	0.0	No
1B_1	48801319	Kukri_rep_c103804_203	73.3	0.0	No
1B_1	47677332	Kukri_rep_c68121_88	73.3	0.0	No
1B_1	13737498	RAC875_c30138_595	73.3	0.0	No
1B_1	21751428	RAC875_c400_1363	73.3	0.0	No
1B_1	66710373	RAC875_c79514_853	73.3	0.0	No
1B_1	67607416	TA002086-0901	73.3	0.0	No
1B_1	14608376	Tdurum_contig35757_161	73.3	0.0	No
1B_1	51761436	tplb0025b13_2792	73.3	0.0	No
1B_1	13732472	tplb0028p02_562	73.3	0.0	No
1B_1	10683381	wsnp_CAP12_c55_32598	73.3	0.0	No
1B_1	26805440	wsnp_JD_c5316_6447231	73.3	0.2	No
1B_1	21642480	BS00065167_51	73.5	0.0	Yes
1B_1	43698368	Excalibur_rep_c111074_76	73.5	0.0	No
1B_1	23725330	IACX9264	73.5	0.3	No
1B_1	wPt-0983	wPt-0983	73.8	0.2	Yes
1B_1	wPt-3411	wPt-3411	74.0	0.3	Yes
1B_1	wPt-1238	wPt-1238	74.2	0.0	Yes
1B_1	wPt-1912	wPt-1912	74.2	0.1	No

1B_1	wPt-7138	wPt-7138	74.3	0.0	Yes
1B_1	tPt-1772	tPt-1772	74.4	0.2	Yes
1B_1	wPt-0308	wPt-0308	74.6	1.1	Yes
1B_1	16672359	BS00011824_51	75.7		Yes
1B_2	wPt-5253	wPt-5253	0.0	1.7	Yes
1B_2	wPt-2968	wPt-2968	1.7	0.2	Yes
1B_2	wPt-9028	wPt-9028	1.9	0.1	Yes
1B_2	67730310	BobWhite_c34379_178	1.9	0.0	Yes
1B_2	17748418	BobWhite_c7691_195	1.9	0.0	No
1B_2	47716439	BS00001128_51	1.9	0.0	No
1B_2	37609362	BS00021667_51	1.9	0.0	No
1B_2	30627334	BS00064948_51	1.9	0.0	No
1B_2	30690327	BS00066805_51	1.9	0.0	No
1B_2	69601478	BS00082577_51	1.9	0.0	No
1B_2	35614432	Excalibur_c39284_949	1.9	0.0	No
1B_2	54765439	Excalibur_c5888_169	1.9	0.0	No
1B_2	65614327	Excalibur_c5888_641	1.9	0.0	No
1B_2	11707412	Excalibur_c62139_215	1.9	0.0	No
1B_2	43614407	Excalibur_rep_c69522_83	1.9	0.0	No
1B_2	36688437	Ku_c11537_539	1.9	0.0	No
1B_2	53756345	Kukri_c16608_761	1.9	0.0	No
1B_2	40613463	Kukri_c29687_369	1.9	0.0	No
1B_2	31742455	Kukri_c59535_186	1.9	0.0	No
1B_2	32694400	Kukri_c59535_393	1.9	0.0	No
1B_2	64653508	Kukri_c94613_316	1.9	0.0	No
1B_2	55626488	Kukri_c94613_637	1.9	0.0	No
1B_2	53711460	Kukri_rep_c110309_69	1.9	0.0	No
1B_2	27783352	Kukri_rep_c111174_132	1.9	0.0	No
1B_2	48692353	Ra_c109187_371	1.9	0.0	No
1B_2	58761410	RAC875_c26801_129	1.9	0.0	No
1B_2	10606387	RAC875_c5882_307	1.9	0.0	No
1B_2	18791488	RAC875_rep_c109804_216	1.9	0.0	No
1B_2	59747453	RFL_Contig2550_679	1.9	0.0	No
1B_2	61686422	Tdurum_contig13879_352	1.9	0.0	No
1B_2	46642426	Tdurum_contig13879_429	1.9	0.0	No
1B_2	14637444	Tdurum_contig13879_520	1.9	0.0	No
1B_2	29694378	Tdurum_contig13879_919	1.9	0.0	No
1B_2	44787503	Tdurum_contig1631_240	1.9	0.0	No
1B_2	19800401	Tdurum_contig29915_167	1.9	0.0	No
1B_2	29757478	Tdurum_contig42108_958	1.9	0.0	No
1B_2	12640317	Tdurum_contig42960_865	1.9	0.0	No
1B_2	38786352	Tdurum_contig49509_456	1.9	0.0	No
1B_2	16635458	Tdurum_contig51922_676	1.9	0.0	No
1B_2	68676381	Tdurum_contig58710_411	1.9	0.0	No

1B_2	52810302	Tdurum_contig58710_516	1.9	0.0	No
1B_2	32631382	Tdurum_contig60566_269	1.9	0.0	No
1B_2	53697357	Tdurum_contig80264_1014	1.9	0.0	No
1B_2	72725302	Tdurum_contig9144_222	1.9	0.0	No
1B_2	70602492	Tdurum_contig92835_177	1.9	0.0	No
1B_2	35760374	wsnp_BE446672B_Ta_2_1	1.9	0.0	No
1B_2	26780455	wsnp_BG274687B_Ta_2_1	1.9	0.0	No
1B_2	42770510	wsnp_Ex_c750_1474184	1.9	0.0	No
1B_2	50622429	wsnp_Ex_c955_1827567	1.9	0.0	No
1B_2	50709395	wsnp_Ku_c11807_19204597	1.9	1.6	No
1B_2	26714508	D_contig03023_692	3.5	4.6	Yes
1B_2	wPt-1786	wPt-1786	8.1	0.0	Yes
1B_2	tPt-6091	tPt-6091	8.2	0.0	Yes
1B_2	55628463	Kukri_c15691_151	8.2	0.0	Yes
1B_2	wPt-1672	wPt-1672	8.2	0.0	Yes
1B_2	60701386	BobWhite_c12960_168	8.2	0.0	Yes
1B_2	57601344	BobWhite_c32659_88	8.2	0.0	No
1B_2	31611357	BobWhite_c34125_183	8.2	0.0	No
1B_2	67733477	BS00024107_51	8.2	0.0	No
1B_2	52805480	BS00033776_51	8.2	0.0	No
1B_2	50689369	BS00063302_51	8.2	0.0	No
1B_2	33644429	BS00093275_51	8.2	0.0	No
1B_2	48756379	CAP11_c7969_315	8.2	0.0	No
1B_2	74791354	Excalibur_c38500_494	8.2	0.0	No
1B_2	34727411	IAAV8347	8.2	0.0	No
1B_2	11686500	Kukri_c18749_968	8.2	0.0	No
1B_2	17613419	Kukri_c32122_257	8.2	0.0	No
1B_2	59663404	Tdurum_contig43162_244	8.2	0.0	No
1B_2	32615328	Tdurum_contig52086_108	8.2	0.0	No
1B_2	64793360	Tdurum_contig52086_129	8.2	0.0	No
1B_2	22808326	Tdurum_contig52086_264	8.2	0.0	No
1B_2	45763334	Tdurum_contig52086_488	8.2	0.0	No
1B_2	10794409	Tdurum_contig52086_524	8.2	0.0	No
1B_2	65770440	tplb0049h18_765	8.2	0.0	No
1B_2	64776382	wsnp_Ex_rep_c88749_79992654	8.2	0.0	No
1B_2	44800381	Tdurum_contig52086_342	8.2	1.7	Yes
1B_2	wPt-1973	wPt-1973	9.9	3.6	Yes
1B_2	49616444	D_GBUVHFX01AHO3C_336	13.5	1.5	Yes
1B_2	23720402	BobWhite_c16824_151	15.0	0.0	Yes
1B_2	49658452	BobWhite_rep_c50057_164	15.0	0.0	No
1B_2	63612335	BobWhite_s64871_104	15.0	0.0	No
1B_2	65635338	BS00000010_51	15.0	0.0	No
1B_2	16721309	BS00023105_51	15.0	0.0	No
1B_2	43715450	BS00036439_51	15.0	0.0	No

1B_2	71651430	BS00060686_51	15.0	0.0	No
1B_2	55695435	BS00065694_51	15.0	0.0	No
1B_2	26796350	BS00066052_51	15.0	0.0	No
1B_2	13765498	BS00073763_51	15.0	0.0	No
1B_2	39652412	BS00084990_51	15.0	0.0	No
1B_2	46774335	BS00089959_51	15.0	0.0	No
1B_2	54719454	BS00103710_51	15.0	0.0	No
1B_2	56737405	BS00107837_51	15.0	0.0	No
1B_2	22704372	CAP7_c1788_66	15.0	0.0	No
1B_2	34785408	D_GCE8AKX01BOGN5_399	15.0	0.0	No
1B_2	31609371	Excalibur_c11190_617	15.0	0.0	No
1B_2	41667355	IAAV5776	15.0	0.0	No
1B_2	23617489	IAAV6011	15.0	0.0	No
1B_2	17704359	IACX17310	15.0	0.0	No
1B_2	23657367	Kukri_c15757_1117	15.0	0.0	No
1B_2	15653484	Kukri_c376_3063	15.0	0.0	No
1B_2	39765425	Kukri_c44604_203	15.0	0.0	No
1B_2	53658438	Kukri_c5873_645	15.0	0.0	No
1B_2	23763311	RAC875_rep_c118984_119	15.0	0.0	No
1B_2	31772468	TA002645-0060	15.0	0.0	No
1B_2	50618434	Tdurum_contig42558_134	15.0	0.0	No
1B_2	14658478	Tdurum_contig46647_623	15.0	0.0	No
1B_2	41671394	Tdurum_contig62905_165	15.0	0.0	No
1B_2	28774445	Tdurum_contig62905_530	15.0	0.0	No
1B_2	47791346	Tdurum_contig84791_198	15.0	0.0	No
1B_2	51690496	Tdurum_contig8669_131	15.0	0.0	No
1B_2	29639357	Tdurum_contig8669_296	15.0	0.1	No
1B_2	40796301	Ku_c26_547	15.0	0.0	Yes
1B_2	wPt-1770	wPt-1770	15.0	0.0	Yes
1B_2	wPt-1313	wPt-1313	15.0	0.1	No
1B_2	69727475	IAAV1913	15.1	11.0	Yes
1B_2	wPt-4651	wPt-4651	26.1		Yes
1B_3	70640446	Excalibur_c8585_561	0.0	0.0	Yes
1B_3	23674376	BobWhite_c23617_167	0.0	0.0	Yes
1B_3	48645474	BS00002484_51	0.0	0.0	No
1B_3	56607317	BS00021934_51	0.0	0.0	No
1B_3	66754322	BS00064944_51	0.0	0.0	No
1B_3	28640326	BS00065396_51	0.0	0.0	No
1B_3	43804486	BS00070285_51	0.0	0.0	No
1B_3	57727446	BS00099794_51	0.0	0.0	No
1B_3	23777360	BS00109244_51	0.0	0.0	No
1B_3	36670439	CAP7_c199_62	0.0	0.0	No
1B_3	46689426	Excalibur_c8585_701	0.0	0.0	No
1B_3	16732399	Jagger_c3757_131	0.0	0.0	No

1B_3	64797339	Kukri_c57725_146	0.0	0.0	No
1B_3	19693332	RFL_Contig1823_1044	0.0	0.0	No
1B_3	52624477	Tdurum_contig11216_942	0.0	0.0	No
1B_3	63643414	Tdurum_contig30664_181	0.0	0.0	No
1B_3	49762312	Tdurum_contig50988_500	0.0	0.0	No
1B_3	42741502	wsnp_CAP11_c1902_1022590	0.0	0.0	No
1B_3	23746385	wsnp_RFL_Contig3951_4390396	0.0	3.0	No
1B_3	24699324	BS00064943_51	3.0		Yes
2A_1	32788463	wsnp_CAP11_rep_c6137_2841945	0.0	0.0	Yes
2A_1	72774394	Kukri_rep_c82871_113	0.0	0.0	Yes
2A_1	13780481	BS00060653_51	0.0	0.0	Yes
2A_1	11795376	BobWhite_c14425_216	0.0	0.0	Yes
2A_1	63616314	BobWhite_c44175_495	0.0	0.0	No
2A_1	35777422	BobWhite_c9626_246	0.0	0.0	No
2A_1	40680495	BS00010932_51	0.0	0.0	No
2A_1	65677326	BS00011045_51	0.0	0.0	No
2A_1	12770428	BS00023953_51	0.0	0.0	No
2A_1	51626408	BS00031140_51	0.0	0.0	No
2A_1	50641417	BS00032606_51	0.0	0.0	No
2A_1	10774365	BS00034382_51	0.0	0.0	No
2A_1	26738343	BS00039489_51	0.0	0.0	No
2A_1	20603489	BS00039797_51	0.0	0.0	No
2A_1	59798497	BS00063298_51	0.0	0.0	No
2A_1	17628307	BS00063599_51	0.0	0.0	No
2A_1	43687428	BS00066748_51	0.0	0.0	No
2A_1	48792412	BS00073720_51	0.0	0.0	No
2A_1	16768510	BS00077693_51	0.0	0.0	No
2A_1	36809438	BS00078923_51	0.0	0.0	No
2A_1	11618300	BS00080997_51	0.0	0.0	No
2A_1	72601336	BS00097263_51	0.0	0.0	No
2A_1	20664453	BS00100472_51	0.0	0.0	No
2A_1	70725319	CAP11_c1716_97	0.0	0.0	No
2A_1	17635499	CAP11_s9154_121	0.0	0.0	No
2A_1	71645325	CAP7_rep_c6939_197	0.0	0.0	No
2A_1	53736311	Ex_c12563_1279	0.0	0.0	No
2A_1	28706423	Ex_c39005_750	0.0	0.0	No
2A_1	18783410	Ex_c5366_1904	0.0	0.0	No
2A_1	10757395	Excalibur_c56144_207	0.0	0.0	No
2A_1	11641466	Excalibur_c640_464	0.0	0.0	No
2A_1	66784474	Excalibur_c7154_886	0.0	0.0	No
2A_1	73717436	Excalibur_rep_c67434_73	0.0	0.0	No
2A_1	53747371	GENE-0940_83	0.0	0.0	No
2A_1	19602348	GENE-0976_223	0.0	0.0	No
2A_1	56718420	GENE-1326_350	0.0	0.0	No

2A_1	73635377	IAAV1587	0.0	0.0	No
2A_1	44609415	IAAV3570	0.0	0.0	No
2A_1	43614332	IAAV359	0.0	0.0	No
2A_1	41618338	IAAV444	0.0	0.0	No
2A_1	17710460	IAAV6661	0.0	0.0	No
2A_1	53743369	IAAV7492	0.0	0.0	No
2A_1	18621351	IAAV9024	0.0	0.0	No
2A_1	57610416	IAAV9197	0.0	0.0	No
2A_1	22798487	JD_c14920_380	0.0	0.0	No
2A_1	71689489	JD_c3358_1128	0.0	0.0	No
2A_1	44648444	Ku_c13599_707	0.0	0.0	No
2A_1	16713405	Ku_c27939_333	0.0	0.0	No
2A_1	12758474	Ku_c6019_806	0.0	0.0	No
2A_1	66677301	Kukri_c11705_767	0.0	0.0	No
2A_1	37740358	Kukri_c12194_1322	0.0	0.0	No
2A_1	19732433	Kukri_c15325_1360	0.0	0.0	No
2A_1	25713446	Kukri_c20280_325	0.0	0.0	No
2A_1	45725474	Kukri_c34097_494	0.0	0.0	No
2A_1	69619397	Kukri_c38852_100	0.0	0.0	No
2A_1	74619450	Kukri_c4213_2363	0.0	0.0	No
2A_1	50756413	Kukri_c4213_2733	0.0	0.0	No
2A_1	69737327	Kukri_c42406_313	0.0	0.0	No
2A_1	64635446	Kukri_c5358_1252	0.0	0.0	No
2A_1	35774386	Kukri_c93735_119	0.0	0.0	No
2A_1	12714313	Kukri_rep_c102166_1016	0.0	0.0	No
2A_1	44754314	Kukri_rep_c105807_101	0.0	0.0	No
2A_1	59622339	Ra_c11553_1115	0.0	0.0	No
2A_1	29645429	Ra_c15292_990	0.0	0.0	No
2A_1	17713475	RAC875_c2054_191	0.0	0.0	No
2A_1	11640383	RAC875_c4267_1269	0.0	0.0	No
2A_1	70656394	RAC875_rep_c101788_71	0.0	0.0	No
2A_1	22627442	TA001220-1276	0.0	0.0	No
2A_1	43720339	TA001801-0524	0.0	0.0	No
2A_1	43717452	Tdurum_contig10356_818	0.0	0.0	No
2A_1	55702363	Tdurum_contig10385_477	0.0	0.0	No
2A_1	62678484	Tdurum_contig10910_1662	0.0	0.0	No
2A_1	22690457	Tdurum_contig12179_239	0.0	0.0	No
2A_1	23604360	Tdurum_contig12179_270	0.0	0.0	No
2A_1	13765369	Tdurum_contig12179_75	0.0	0.0	No
2A_1	60620428	Tdurum_contig27794_724	0.0	0.0	No
2A_1	61731416	wsnp_BE399936A_Ta_2_1	0.0	0.0	No
2A_1	47646508	wsnp_BG263263A_Ta_2_1	0.0	0.0	No
2A_1	10802434	wsnp_CAP11_rep_c8681_3747503	0.0	0.0	No
2A_1	24781464	wsnp_Ex_c1064_2034518	0.0	0.0	No

2A_1	46748420	wsnp_Ex_c14760_22866930	0.0	0.0	No
2A_1	24683485	wsnp_Ex_c21786_30948397	0.0	0.0	No
2A_1	66682426	wsnp_Ex_c23720_32957892	0.0	0.0	No
2A_1	26601383	wsnp_Ex_c25057_34318425	0.0	0.0	No
2A_1	62772418	wsnp_Ex_c45617_51361414	0.0	0.0	No
2A_1	65761377	wsnp_Ku_c30418_40245121	0.0	0.0	No
2A_1	16661422	wsnp_Ku_c38662_47257696	0.0	0.0	No
2A_1	36790393	wsnp_Ku_c4213_7674814	0.0	0.0	No
2A_1	63794395	wsnp_Ra_c10861_17763060	0.0	0.0	No
2A_1	65641490	wsnp_Ra_c18391_27447178	0.0	0.0	No
2A_1	19652399	wsnp_Ra_c58188_60005934	0.0	0.0	No
2A_1	37734304	wsnp_Ra_rep_c88200_80168527	0.0	1.0	No
2A_1	17682328	Excalibur_c6027_1035	1.0	0.0	Yes
2A_1	70794460	Kukri_c7169_105	1.0	0.0	No
2A_1	27755336	RAC875_rep_c89170_572	1.0	0.0	No
2A_1	19747476	Tdurum_contig10696_458	1.0	0.0	No
2A_1	50644461	Tdurum_contig31600_293	1.0	0.0	No
2A_1	26684306	Tdurum_contig33419_124	1.0	0.0	No
2A_1	58689345	Tdurum_contig33419_337	1.0	0.0	No
2A_1	52737459	Tdurum_contig42331_2843	1.0	0.0	No
2A_1	39633361	Tdurum_contig47103_94	1.0	0.0	No
2A_1	25749442	Tdurum_contig55145_180	1.0	0.0	No
2A_1	21685361	Tdurum_contig93152_81	1.0	4.0	No
2A_1	52760352	BS00028481_51	5.0	0.0	Yes
2A_1	12736508	BS00036985_51	5.0	0.0	No
2A_1	23754450	BS00038871_51	5.0	0.0	No
2A_1	60728306	BS00055512_51	5.0	0.0	No
2A_1	32770361	BS00055514_51	5.0	0.0	No
2A_1	57703424	BS00062756_51	5.0	0.0	No
2A_1	25650449	BS00062757_51	5.0	0.0	No
2A_1	66723439	D_contig58311_469	5.0	0.0	No
2A_1	27700322	Excalibur_rep_c103924_189	5.0	0.0	No
2A_1	50684497	Kukri_c58791_906	5.0	0.0	No
2A_1	31758429	RAC875_c39665_175	5.0	0.0	No
2A_1	60799359	Tdurum_contig31316_197	5.0	9.3	No
2A_1	40785477	Tdurum_contig5114_319	14.3	16.1	Yes
2A_1	wPt-7466	wPt-7466	30.4		Yes
2A_2	12687490	RAC875_c56095_66	0.0	3.9	Yes
2A_2	tPt-6105	tPt-6105	3.9	1.6	Yes
2A_2	62801364	BS00028935_51	5.5	0.0	Yes
2A_2	45757373	BS00054751_51	5.5	0.0	No
2A_2	64623336	Excalibur_c28710_490	5.5	0.0	No
2A_2	20628323	Ku_c68139_836	5.5	0.0	No
2A_2	14732324	RAC875_c104604_86	5.5	0.0	No

2A_2	72781355	RAC875_c48891_476	5.5	0.0	No
2A_2	26770422	Tdurum_contig67879_504	5.5	0.7	No
2A_2	72802312	GENE-0361_558	6.2	0.4	Yes
2A_2	53608491	BS00101944_51	6.6	0.0	Yes
2A_2	29796437	BobWhite_c1477_315	6.6	0.0	Yes
2A_2	33650474	BobWhite_c18406_110	6.6	0.0	No
2A_2	64601402	BobWhite_c5756_163	6.6	0.0	No
2A_2	70630336	BS00011599_51	6.6	0.0	No
2A_2	65798322	BS00022287_51	6.6	0.0	No
2A_2	66659360	BS00094172_51	6.6	0.0	No
2A_2	28630489	BS00095525_51	6.6	0.0	No
2A_2	44725499	D_GA8KES401D9BT5_335	6.6	0.0	No
2A_2	74680431	Excalibur_c1999_1178	6.6	0.0	No
2A_2	69798300	Excalibur_c28710_103	6.6	0.0	No
2A_2	49653447	Excalibur_c97347_55	6.6	0.0	No
2A_2	41757346	GENE-0361_416	6.6	0.0	No
2A_2	15740306	GENE-0361_486	6.6	0.0	No
2A_2	69796312	IAAV2607	6.6	0.0	No
2A_2	52809353	IAAV2847	6.6	0.0	No
2A_2	34767440	IAAV5548	6.6	0.0	No
2A_2	59804418	Kukri_rep_c110277_268	6.6	0.0	No
2A_2	10754360	Ra_c72517_981	6.6	0.0	No
2A_2	42668479	RAC875_c21405_591	6.6	0.0	No
2A_2	67743442	RAC875_c2538_206	6.6	0.0	No
2A_2	58740323	RAC875_c35873_1828	6.6	0.0	No
2A_2	55740323	RAC875_c35873_1894	6.6	0.0	No
2A_2	54752374	RAC875_c43810_265	6.6	0.0	No
2A_2	35747369	RAC875_c63917_698	6.6	0.0	No
2A_2	68788418	RAC875_c68649_457	6.6	0.0	No
2A_2	72653433	RAC875_rep_c69643_488	6.6	0.0	No
2A_2	28795373	RAC875_rep_c72517_1215	6.6	0.0	No
2A_2	42757341	Tdurum_contig10209_925	6.6	0.0	No
2A_2	41657335	Tdurum_contig60619_283	6.6	0.0	No
2A_2	17627350	wsnp_Ex_rep_c66356_64538896	6.6	0.0	No
2A_2	64645504	wsnp_Ex_rep_c70934_69795145	6.6	0.0	No
2A_2	28712441	wsnp_JD_c30_49876	6.6	0.1	No
2A_2	30735370	BS00067603_51	6.8	5.8	Yes
2A_2	31617487	BS00022467_51	12.6	0.0	Yes
2A_2	64698409	BS00069105_51	12.6	0.0	No
2A_2	67657411	BS00082153_51	12.6	0.0	No
2A_2	45773506	Excalibur_c33560_256	12.6	0.0	No
2A_2	30741404	Kukri_c408_154	12.6	0.0	No
2A_2	30642485	tplb0060e06_691	12.6	1.5	No
2A_2	44697487	BS00009594_51	14.1	0.0	Yes

2A_2	46701396	BS00012942_51	14.1	0.0	No
2A_2	16719330	IAAV7742	14.1	0.0	No
2A_2	31645439	JD_c10324_88	14.1	0.0	No
2A_2	32697331	Ku_c68144_387	14.1	0.0	No
2A_2	26688469	Ku_c68144_972	14.1	0.0	No
2A_2	15673367	Ra_c1757_256	14.1	0.0	No
2A_2	52795409	RAC875_c1757_1183	14.1	0.0	No
2A_2	48799356	RAC875_c29056_261	14.1	0.0	No
2A_2	72710375	RAC875_c29056_299	14.1	0.0	No
2A_2	56734412	RAC875_c35807_1110	14.1	0.0	No
2A_2	29766494	Tdurum_contig42937_1564	14.1	0.0	No
2A_2	42713505	Tdurum_contig45196_487	14.1	1.5	No
2A_2	40631417	BS00032383_51	15.6	0.0	Yes
2A_2	69665444	D_GBUVHFX02GKWUA_343	15.6	0.0	No
2A_2	25742471	Tdurum_contig92425_1324	15.6	0.0	No
2A_2	39777486	Tdurum_contig92425_801	15.6	0.0	No
2A_2	60607474	Tdurum_contig92425_992	15.6	0.7	No
2A_2	18691337	Tdurum_contig92425_1612	16.4	0.0	Yes
2A_2	54630357	Tdurum_contig92425_296	16.4	0.0	No
2A_2	53753419	Tdurum_contig92425_908	16.4	0.5	No
2A_2	56790507	Tdurum_contig92425_1126	16.8	0.0	Yes
2A_2	74760413	Tdurum_contig92425_224	16.8	0.0	No
2A_2	27633451	Tdurum_contig92425_431	16.8	1.4	No
2A_2	40647320	BS00021937_51	18.2	0.0	Yes
2A_2	41800396	GENE-0918_140	18.2	0.0	No
2A_2	35780334	Kukri_c16094_289	18.2	0.0	No
2A_2	48681408	Kukri_c16094_799	18.2	0.0	No
2A_2	54664437	Kukri_c36985_104	18.2	0.0	No
2A_2	22760483	Kukri_rep_c104451_213	18.2	0.0	No
2A_2	32677374	RAC875_c22214_142	18.2	0.0	No
2A_2	26638455	Tdurum_contig50839_279	18.2	0.0	No
2A_2	34742374	Tdurum_contig50839_593	18.2	0.0	No
2A_2	29738401	Tdurum_contig62210_229	18.2	0.0	No
2A_2	15627422	Tdurum_contig64286_182	18.2	0.0	No
2A_2	74663355	Tdurum_contig64286_268	18.2	0.1	No
2A_2	35751318	BS00007689_51	18.3	1.3	Yes
2A_2	30669333	BobWhite_c7551_418	19.6	0.0	Yes
2A_2	53682421	BobWhite_rep_c64068_213	19.6	0.0	No
2A_2	15710333	BS00000479_51	19.6	0.0	No
2A_2	44713412	BS00010760_51	19.6	0.0	No
2A_2	19714437	BS00011539_51	19.6	0.0	No
2A_2	24772471	BS00062869_51	19.6	0.0	No
2A_2	68776415	BS00077504_51	19.6	0.0	No
2A_2	49659454	BS00087929_51	19.6	0.0	No

2A_2	69671477	BS00087932_51	19.6	0.0	No
2A_2	66721324	BS00097473_51	19.6	0.0	No
2A_2	52731374	BS00098033_51	19.6	0.0	No
2A_2	32642357	CAP12_c1380_238	19.6	0.0	No
2A_2	14601325	Ex_c36309_435	19.6	0.0	No
2A_2	23685338	Excalibur_c17000_557	19.6	0.0	No
2A_2	38672488	Excalibur_c20478_641	19.6	0.0	No
2A_2	71740479	Excalibur_c27142_67	19.6	0.0	No
2A_2	54711340	Excalibur_c30571_95	19.6	0.0	No
2A_2	50621322	Excalibur_c4372_262	19.6	0.0	No
2A_2	42728332	Excalibur_c62106_387	19.6	0.0	No
2A_2	64655304	Excalibur_c63622_125	19.6	0.0	No
2A_2	39712483	Excalibur_c7971_712	19.6	0.0	No
2A_2	53691484	GENE-1294_101	19.6	0.0	No
2A_2	74654320	GENE-1294_339	19.6	0.0	No
2A_2	31782370	GENE-1303_118	19.6	0.0	No
2A_2	49637488	IAAV4880	19.6	0.0	No
2A_2	21629357	IAAV5232	19.6	0.0	No
2A_2	51622474	IAAV6102	19.6	0.0	No
2A_2	63770311	IAAV7287	19.6	0.0	No
2A_2	40734468	Kukri_c11099_1198	19.6	0.0	No
2A_2	19756378	Kukri_c21008_657	19.6	0.0	No
2A_2	34605355	Kukri_c25632_86	19.6	0.0	No
2A_2	20631308	Kukri_c37366_95	19.6	0.0	No
2A_2	13771418	Kukri_c44231_1576	19.6	0.0	No
2A_2	31712370	Kukri_c50116_107	19.6	0.0	No
2A_2	45723498	Kukri_c62704_192	19.6	0.0	No
2A_2	64623455	Kukri_c89717_64	19.6	0.0	No
2A_2	55710334	Kukri_rep_c71154_1562	19.6	0.0	No
2A_2	45701329	RAC875_c22328_1356	19.6	0.0	No
2A_2	10699363	RAC875_c259_1339	19.6	0.0	No
2A_2	53618364	RAC875_c27530_860	19.6	0.0	No
2A_2	53695366	RAC875_c35688_382	19.6	0.0	No
2A_2	11682354	RAC875_c37413_569	19.6	0.0	No
2A_2	18799499	RAC875_c68651_391	19.6	0.0	No
2A_2	69622414	RFL_Contig5122_974	19.6	0.0	No
2A_2	52726303	Tdurum_contig10048_207	19.6	0.0	No
2A_2	12792387	Tdurum_contig12556_431	19.6	0.0	No
2A_2	20679320	Tdurum_contig14482_1073	19.6	0.0	No
2A_2	68606312	Tdurum_contig16904_167	19.6	0.0	No
2A_2	11730442	Tdurum_contig25539_248	19.6	0.0	No
2A_2	28772434	Tdurum_contig42282_10323	19.6	0.0	No
2A_2	32774307	Tdurum_contig42282_11463	19.6	0.0	No
2A_2	56633397	Tdurum_contig49366_118	19.6	0.0	No

2A_2	18655461	Tdurum_contig50720_204	19.6	0.0	No
2A_2	43611302	Tdurum_contig50720_354	19.6	0.0	No
2A_2	46647476	Tdurum_contig50720_482	19.6	0.0	No
2A_2	24725433	Tdurum_contig50755_190	19.6	0.0	No
2A_2	10781405	Tdurum_contig50755_97	19.6	0.0	No
2A_2	58699349	Tdurum_contig52350_170	19.6	0.0	No
2A_2	69631509	Tdurum_contig52350_296	19.6	0.0	No
2A_2	47724490	Tdurum_contig52350_588	19.6	0.0	No
2A_2	74628380	Tdurum_contig52350_636	19.6	0.0	No
2A_2	14796404	Tdurum_contig52350_902	19.6	0.0	No
2A_2	37660510	Tdurum_contig53038_1287	19.6	0.0	No
2A_2	20630482	Tdurum_contig53038_684	19.6	0.0	No
2A_2	58709480	Tdurum_contig53038_714	19.6	0.0	No
2A_2	53617455	Tdurum_contig56321_179	19.6	0.0	No
2A_2	29762384	Tdurum_contig56321_232	19.6	0.0	No
2A_2	25617360	Tdurum_contig66353_358	19.6	0.0	No
2A_2	58603392	Tdurum_contig8350_243	19.6	0.0	No
2A_2	66644476	Tdurum_contig8350_350	19.6	0.0	No
2A_2	47718389	Tdurum_contig9224_402	19.6	0.0	No
2A_2	50719449	Tdurum_contig92425_3144	19.6	0.0	No
2A_2	72773503	tplb0021g21_595	19.6	0.0	No
2A_2	23678484	tplb0025l18_1788	19.6	0.0	No
2A_2	65621355	tplb0057b09_367	19.6	0.0	No
2A_2	54795491	wsnp_BE498892A_Ta_2_1	19.6	0.0	No
2A_2	46654387	wsnp_BE498892A_Ta_2_25	19.6	0.0	No
2A_2	19795442	wsnp_CAP11_c3226_1588070	19.6	0.0	No
2A_2	29754448	wsnp_Ex_c10555_17235832	19.6	0.0	No
2A_2	35746432	wsnp_Ex_c10555_17236072	19.6	0.0	No
2A_2	62702502	wsnp_Ex_c3695_6740063	19.6	0.0	No
2A_2	50722472	wsnp_Ex_c3695_6740111	19.6	0.0	No
2A_2	42717410	wsnp_Ex_c3695_6740339	19.6	0.0	No
2A_2	60615347	wsnp_Ku_c16547_25454123	19.6	0.0	No
2A_2	68741369	wsnp_Ku_c2838_5354231	19.6	0.0	No
2A_2	73789363	wsnp_Ku_c2838_5355065	19.6	0.0	No
2A_2	25689339	BS00010477_51	19.6	0.0	Yes
2A_2	49681420	Kukri_rep_c95118_467	19.6	0.7	Yes
2A_2	wPt-9793	wPt-9793	20.3	0.9	Yes
2A_2	61787461	wsnp_Ex_c14639_22695091	21.2	1.7	Yes
2A_2	wPt-9277	wPt-9277	22.9	1.8	Yes
2A_2	47654375	BS00023075_51	24.7	0.0	Yes
2A_2	36673416	Excalibur_c35919_107	24.7	0.0	No
2A_2	57713477	RAC875_c1706_1888	24.7	0.0	No
2A_2	13624387	RAC875_c6586_946	24.7	0.0	No
2A_2	29624442	Tdurum_contig10287_329	24.7	0.0	No

2A_2	44636348	Tdurum_contig47508_250	24.7	0.0	No
2A_2	12613392	Tdurum_contig61938_424	24.7	0.0	No
2A_2	20690440	wsnp_Ex_c2137_4014287	24.7	0.0	No
2A_2	74606404	wsnp_Ra_c6586_11477949	24.7	0.1	No
2A_2	34779482	Tdurum_contig54056_501	24.8		Yes
2B_1	wPt-0891	wPt-0891	0.0	9.7	Yes
2B_1	wPt-2929	wPt-2929	9.7	0.0	Yes
2B_1	wPt-4892	wPt-4892	9.7	0.2	No
2B_1	wPt-4426	wPt-4426	9.8	1.6	Yes
2B_1	69655337	IAAV1535	11.5	0.0	Yes
2B_1	13731333	CAP7_c16_300	11.5	0.0	Yes
2B_1	wPt-3632	wPt-3632	11.5	0.1	Yes
2B_1	50694416	BobWhite_c24069_152	11.6	0.0	Yes
2B_1	32750357	BobWhite_c24069_257	11.6	0.0	No
2B_1	14680386	BobWhite_c7274_197	11.6	0.0	No
2B_1	28705400	BobWhite_c7274_333	11.6	0.0	No
2B_1	41672487	BS00072349_51	11.6	0.0	No
2B_1	46738405	CAP7_c16_483	11.6	0.0	No
2B_1	59746452	Excalibur_c26527_82	11.6	0.0	No
2B_1	44732390	Excalibur_c74622_265	11.6	0.0	No
2B_1	39736350	Excalibur_c910_946	11.6	0.0	No
2B_1	65621346	Excalibur_rep_c109577_191	11.6	0.0	No
2B_1	15745504	GENE-1056_55	11.6	0.0	No
2B_1	34786315	Ku_c67680_195	11.6	0.0	No
2B_1	46682331	Ra_c12604_447	11.6	0.0	No
2B_1	41742345	RAC875_c19685_944	11.6	0.0	No
2B_1	24677389	RAC875_c21269_1225	11.6	0.0	No
2B_1	32699430	RFL_Contig1307_328	11.6	0.0	No
2B_1	49660402	RFL_Contig1307_382	11.6	0.0	No
2B_1	49742392	Tdurum_contig10048_447	11.6	0.0	No
2B_1	23618503	Tdurum_contig10048_61	11.6	0.0	No
2B_1	57610447	Tdurum_contig52627_496	11.6	0.0	No
2B_1	14688315	Tdurum_contig52627_726	11.6	0.0	No
2B_1	60653416	Tdurum_contig9071_215	11.6	0.0	No
2B_1	25635449	wsnp_Ex_c34303_42642389	11.6	0.0	No
2B_1	38722338	wsnp_Ra_c17622_26522072	11.6	1.0	No
2B_1	39684500	Kukri_c4235_764	12.5	1.4	Yes
2B_1	wPt-6643	wPt-6643	13.9	0.1	Yes
2B_1	17801487	Kukri_c17_1246	14.0	0.0	Yes
2B_1	10785347	BobWhite_c20158_834	14.1	0.0	Yes
2B_1	28642306	BobWhite_c928_311	14.1	0.0	No
2B_1	26669360	BS00007384_51	14.1	0.0	No
2B_1	23753503	BS00022252_51	14.1	0.0	No
2B_1	50627321	BS00025106_51	14.1	0.0	No

2B_1	20626471	BS00026408_51	14.1	0.0	No
2B_1	32642370	BS00026409_51	14.1	0.0	No
2B_1	44745444	BS00032381_51	14.1	0.0	No
2B_1	28806412	BS00066148_51	14.1	0.0	No
2B_1	45688362	BS00067878_51	14.1	0.0	No
2B_1	29782485	BS00100117_51	14.1	0.0	No
2B_1	12787323	CAP7_c2746_331	14.1	0.0	No
2B_1	20707303	CAP7_c4827_53	14.1	0.0	No
2B_1	23623439	CAP7_c4827_78	14.1	0.0	No
2B_1	31629365	D_contig17550_189	14.1	0.0	No
2B_1	69801437	Excalibur_c12675_1147	14.1	0.0	No
2B_1	58704485	Excalibur_c12675_1395	14.1	0.0	No
2B_1	32613498	Excalibur_c12675_1789	14.1	0.0	No
2B_1	58726362	Excalibur_c2993_457	14.1	0.0	No
2B_1	13663316	Excalibur_c33525_279	14.1	0.0	No
2B_1	27702432	Excalibur_c48404_59	14.1	0.0	No
2B_1	34689486	Excalibur_c73791_215	14.1	0.0	No
2B_1	16646387	Excalibur_c73791_296	14.1	0.0	No
2B_1	50744440	Excalibur_c8919_345	14.1	0.0	No
2B_1	19647408	Excalibur_rep_c67599_677	14.1	0.0	No
2B_1	55692471	Excalibur_rep_c76271_351	14.1	0.0	No
2B_1	43732448	GENE-1119_104	14.1	0.0	No
2B_1	39810508	GENE-1136_260	14.1	0.0	No
2B_1	22728388	GENE-1258_152	14.1	0.0	No
2B_1	20618478	IAAV1798	14.1	0.0	No
2B_1	32777468	IAAV5401	14.1	0.0	No
2B_1	23801412	IAAV8570	14.1	0.0	No
2B_1	50626505	Kukri_c17_967	14.1	0.0	No
2B_1	34643454	Kukri_c3501_1175	14.1	0.0	No
2B_1	47661469	Kukri_c38413_121	14.1	0.0	No
2B_1	34768371	Kukri_c60352_344	14.1	0.0	No
2B_1	24662403	Kukri_c94792_127	14.1	0.0	No
2B_1	29623301	RAC875_c12741_101	14.1	0.0	No
2B_1	13614463	RAC875_c319_1776	14.1	0.0	No
2B_1	21698302	RAC875_c59976_291	14.1	0.0	No
2B_1	52672423	RAC875_c63343_52	14.1	0.0	No
2B_1	49753455	RAC875_c999_612	14.1	0.0	No
2B_1	33715361	Tdurum_contig10295_374	14.1	0.0	No
2B_1	23741436	Tdurum_contig21786_270	14.1	0.0	No
2B_1	32633477	Tdurum_contig27848_179	14.1	0.0	No
2B_1	59785412	Tdurum_contig42064_2318	14.1	0.0	No
2B_1	27628332	wsnp_Ex_c15646_23969140	14.1	0.0	No
2B_1	33787433	wsnp_Ex_c73454_71499715	14.1	1.0	No
2B_1	27726461	BS00098042_51	15.0	10.4	Yes

2B_1	26739421	RAC875_c21680_1023	25.4	0.0	Yes
2B_1	wPt-8776	wPt-8776	25.4	0.0	Yes
2B_1	61602385	BobWhite_c17767_396	25.4	0.0	Yes
2B_1	50743508	BS00080318_51	25.4	0.0	Yes
2B_1	15745476	BobWhite_rep_c50285_700	25.4	0.0	Yes
2B_1	50631300	BS00003673_51	25.5	0.0	Yes
2B_1	65606459	BS00074091_51	25.5	0.0	No
2B_1	71697480	BS00102709_51	25.5	0.0	No
2B_1	32739390	BS00108288_51	25.5	0.0	No
2B_1	64703470	CAP7_c6910_523	25.5	0.0	No
2B_1	57746300	Excalibur_c16679_215	25.5	0.0	No
2B_1	18808431	Excalibur_c9752_619	25.5	0.0	No
2B_1	34640333	IACX8202	25.5	0.0	No
2B_1	23769304	Kukri_c7579_749	25.5	0.0	No
2B_1	24676463	Kukri_c78358_129	25.5	0.0	No
2B_1	33649433	Ra_c23972_327	25.5	0.0	No
2B_1	52755306	Ra_c69149_345	25.5	0.0	No
2B_1	54630428	RAC875_c31606_234	25.5	0.0	No
2B_1	21731393	RAC875_c37473_384	25.5	0.0	No
2B_1	30623451	RAC875_c5673_1209	25.5	0.0	No
2B_1	55768354	RAC875_c65882_668	25.5	0.0	No
2B_1	19756357	RFL_Contig5240_1987	25.5	0.0	No
2B_1	51694508	Tdurum_contig49532_368	25.5	0.0	No
2B_1	21645337	Tdurum_contig49532_53	25.5	0.0	No
2B_1	32679487	Tdurum_contig67827_89	25.5	0.0	No
2B_1	22752418	wsnp_Ex_c10441_17078853	25.5	0.0	No
2B_1	42620382	wsnp_Ex_rep_c101342_86720058	25.5	1.5	No
2B_1	39636318	BobWhite_c31708_99	26.9	6.0	Yes
2B_1	wPt-4223	wPt-4223	33.0	0.0	Yes
2B_1	wPt-0510	wPt-0510	33.0	0.0	Yes
2B_1	60681330	Jagger_c914_155	33.0	0.0	Yes
2B_1	34706422	BobWhite_c232_563	33.1	0.0	Yes
2B_1	21700347	BobWhite_c232_625	33.1	0.0	No
2B_1	38606365	BS00009060_51	33.1	0.0	No
2B_1	44610483	BS00100981_51	33.1	0.0	No
2B_1	42679301	Excalibur_c10637_515	33.1	0.0	No
2B_1	13682398	Excalibur_c91034_141	33.1	0.0	No
2B_1	19688410	IAAV6288	33.1	0.0	No
2B_1	35610456	RAC875_c35399_497	33.1	1.3	No
2B_1	58688435	BS00043338_51	34.3	0.5	Yes
2B_1	40638446	RAC875_c26697_589	34.8	0.0	Yes
2B_1	46602308	BobWhite_c7050_564	34.8	0.0	Yes
2B_1	22743493	BobWhite_c7050_792	34.8	0.0	No
2B_1	15653411	BobWhite_c9690_94	34.8	0.0	No

2B_1	29766476	Excalibur_c17745_493	34.8	0.0	No
2B_1	24611371	Excalibur_c2157_173	34.8	0.0	No
2B_1	52659439	Excalibur_c37753_655	34.8	0.0	No
2B_1	27784362	Excalibur_c37753_754	34.8	0.0	No
2B_1	21781447	RAC875_c16752_283	34.8	0.0	No
2B_1	36601300	RAC875_c20979_234	34.8	0.0	No
2B_1	23633335	RAC875_c40992_113	34.8	0.0	No
2B_1	52808489	RAC875_c40992_68	34.8	0.0	No
2B_1	59772405	RAC875_c51420_237	34.8	0.0	No
2B_1	10770468	RAC875_c66695_560	34.8	0.0	No
2B_1	29697352	RAC875_rep_c83093_126	34.8	0.0	No
2B_1	39681367	Tdurum_contig15649_215	34.8	0.0	No
2B_1	32602398	Tdurum_contig28795_219	34.8	0.0	No
2B_1	36631436	Tdurum_contig28795_273	34.8	0.0	No
2B_1	70728339	Tdurum_contig28795_322	34.8	0.0	No
2B_1	65687358	Tdurum_contig28795_381	34.8	0.0	No
2B_1	73636380	Tdurum_contig59546_695	34.8	0.0	No
2B_1	48663490	Tdurum_contig9214_279	34.8	0.0	No
2B_1	64778463	wsnp_Ex_c13865_21720307	34.8	0.0	No
2B_1	46690369	wsnp_Ex_rep_c67838_66536117	34.8	0.0	No
2B_1	37748429	wsnp_JD_c12346_12606967	34.8	0.0	No
2B_1	24630359	wsnp_RFL_Contig3273_3319580	34.8	0.0	No
2B_1	26730364	wsnp_RFL_Contig3917_4326857	34.8	1.6	No
2B_1	36709371	BS00039766_51	36.4	0.0	Yes
2B_1	52753407	Excalibur_c33221_681	36.4	0.0	No
2B_1	31753300	Tdurum_contig28980_211	36.4	0.0	No
2B_1	67719486	Tdurum_contig47_148	36.4	0.0	No
2B_1	13718425	Tdurum_contig71365_233	36.4	0.0	No
2B_1	34655309	Tdurum_contig77036_338	36.4	0.0	No
2B_1	17624400	Tdurum_contig93103_284	36.4	0.0	No
2B_1	30765353	tplb0024e19_1029	36.4	0.0	No
2B_1	36639495	Tdurum_contig67254_504	36.4	3.1	Yes
2B_1	47726391	BS00065327_51	39.5	0.0	Yes
2B_1	73690361	BS00065471_51	39.5	0.0	No
2B_1	26690509	D_GCE8AKX01DSI7J_273	39.5	0.0	No
2B_1	50794327	Excalibur_c32980_169	39.5	0.0	No
2B_1	74786353	RAC875_c59799_932	39.5	0.0	No
2B_1	72755454	RAC875_rep_c69762_300	39.5	0.1	Yes
2B_1	wPt-0694	wPt-0694	39.6	1.4	Yes
2B_1	60639321	BS00022674_51	41.0	0.0	Yes
2B_1	20685369	Ku_c4168_1399	41.0	0.0	No
2B_1	16707455	Tdurum_contig17826_338	41.0	0.0	No
2B_1	15700467	Tdurum_contig45468_674	41.0	0.0	No
2B_1	67766365	Tdurum_contig56876_1078	41.0	0.0	No

2B_1	17718449	Tdurum_contig56876_365	41.0	0.0	No
2B_1	72729495	Tdurum_contig56876_449	41.0	0.0	No
2B_1	57805364	tplb0040p24_838	41.0	2.9	No
2B_1	51630457	RAC875_c13240_96	43.9	0.0	Yes
2B_1	52748434	Tdurum_contig48260_249	43.9	0.0	No
2B_1	35795369	Tdurum_contig64795_494	43.9	0.0	No
2B_1	39624360	wsnp_CAP7_c1592_791887	43.9	0.0	No
2B_1	48613443	wsnp_Ex_c20029_29064315	43.9	0.0	No
2B_1	72730302	wsnp_Ra_c15621_24073604	43.9	0.0	No
2B_1	22690425	wsnp_Ra_c3955_7262354	43.9	1.4	No
2B_1	50688426	BS00063365_51	45.3	0.0	Yes
2B_1	24613339	Excalibur_c5801_177	45.3	0.0	No
2B_1	30712413	IAAV1401	45.3	0.0	No
2B_1	16699385	Tdurum_contig78534_314	45.3	0.0	No
2B_1	57734352	wsnp_Ex_c29382_38422739	45.3	0.0	No
2B_1	26702364	wsnp_Ex_rep_c101581_86924089	45.3	0.0	No
2B_1	70654439	wsnp_Ra_c4660_8405634	45.3	0.8	No
2B_1	58663351	Excalibur_c42512_584	46.1	0.0	Yes
2B_1	26710506	IACX6231	46.2	0.6	Yes
2B_1	33702307	BobWhite_c1472_59	46.8	0.0	Yes
2B_1	48778343	BobWhite_c2244_314	46.8	0.0	No
2B_1	23702409	BobWhite_c2371_520	46.8	0.0	No
2B_1	16699323	BobWhite_c29596_649	46.8	0.0	No
2B_1	20727444	BobWhite_c32938_264	46.8	0.0	No
2B_1	44794401	BobWhite_c32938_366	46.8	0.0	No
2B_1	59781400	BobWhite_c38001_528	46.8	0.0	No
2B_1	36686453	BobWhite_c4704_304	46.8	0.0	No
2B_1	67660499	BobWhite_c8109_82	46.8	0.0	No
2B_1	61697506	BobWhite_rep_c66891_121	46.8	0.0	No
2B_1	13621451	BS00009511_51	46.8	0.0	No
2B_1	35690488	BS00021682_51	46.8	0.0	No
2B_1	42674362	BS00021896_51	46.8	0.0	No
2B_1	49681331	BS00025649_51	46.8	0.0	No
2B_1	72617508	BS00046164_51	46.8	0.0	No
2B_1	45645475	BS00046165_51	46.8	0.0	No
2B_1	10654353	BS00047070_51	46.8	0.0	No
2B_1	24752475	BS00047073_51	46.8	0.0	No
2B_1	70740500	BS00065136_51	46.8	0.0	No
2B_1	66707314	BS00083820_51	46.8	0.0	No
2B_1	51681419	Excalibur_c1140_1044	46.8	0.0	No
2B_1	23795439	Excalibur_c14988_388	46.8	0.0	No
2B_1	10774413	Excalibur_c14988_872	46.8	0.0	No
2B_1	72790412	Excalibur_c1625_1215	46.8	0.0	No
2B_1	67664341	Excalibur_c27629_473	46.8	0.0	No

2B_1	35786411	Excalibur_c36280_764	46.8	0.0	No
2B_1	27618351	Excalibur_c46178_303	46.8	0.0	No
2B_1	56634310	Excalibur_c65341_303	46.8	0.0	No
2B_1	59798461	Excalibur_c7449_587	46.8	0.0	No
2B_1	72710393	Excalibur_c80601_278	46.8	0.0	No
2B_1	53664472	Excalibur_c80601_308	46.8	0.0	No
2B_1	41789340	Excalibur_c80601_83	46.8	0.0	No
2B_1	32760505	GENE-0663_75	46.8	0.0	No
2B_1	33755337	GENE-0663_864	46.8	0.0	No
2B_1	21674439	IAAV2917	46.8	0.0	No
2B_1	17705500	IAAV3100	46.8	0.0	No
2B_1	25750380	IACX2142	46.8	0.0	No
2B_1	62612473	IACX2158	46.8	0.0	No
2B_1	54665340	IACX5941	46.8	0.0	No
2B_1	37718487	IACX6309	46.8	0.0	No
2B_1	49617425	Ku_c12447_2002	46.8	0.0	No
2B_1	31666342	Ku_c9369_1965	46.8	0.0	No
2B_1	54734355	Kukri_c1314_371	46.8	0.0	No
2B_1	48797319	Kukri_c15498_1679	46.8	0.0	No
2B_1	56721473	Kukri_c15498_657	46.8	0.0	No
2B_1	65779369	Kukri_c84629_315	46.8	0.0	No
2B_1	30790480	Kukri_rep_c74359_1069	46.8	0.0	No
2B_1	42655502	Ra_c69196_575	46.8	0.0	No
2B_1	13695380	RAC875_c10132_462	46.8	0.0	No
2B_1	50627403	RAC875_c17455_152	46.8	0.0	No
2B_1	65798482	RAC875_c17658_1419	46.8	0.0	No
2B_1	17619326	RAC875_c3397_274	46.8	0.0	No
2B_1	22662381	RAC875_c81984_707	46.8	0.0	No
2B_1	71673329	RAC875_rep_c113405_148	46.8	0.0	No
2B_1	50725362	RFL_Contig2577_435	46.8	0.0	No
2B_1	45662370	RFL_Contig3044_346	46.8	0.0	No
2B_1	21746311	RFL_Contig3172_1752	46.8	0.0	No
2B_1	17600377	Tdurum_contig10219_295	46.8	0.0	No
2B_1	51653429	Tdurum_contig10219_706	46.8	0.0	No
2B_1	52649476	Tdurum_contig12879_1200	46.8	0.0	No
2B_1	68619428	Tdurum_contig12879_1384	46.8	0.0	No
2B_1	65722473	Tdurum_contig12879_201	46.8	0.0	No
2B_1	70693421	Tdurum_contig12879_264	46.8	0.0	No
2B_1	70746420	Tdurum_contig12879_320	46.8	0.0	No
2B_1	53764479	Tdurum_contig21896_174	46.8	0.0	No
2B_1	33725324	Tdurum_contig27907_216	46.8	0.0	No
2B_1	43735338	Tdurum_contig27907_359	46.8	0.0	No
2B_1	56729476	Tdurum_contig42046_1390	46.8	0.0	No
2B_1	47650443	Tdurum_contig42046_1426	46.8	0.0	No

2B_1	16610365	Tdurum_contig42046_597	46.8	0.0	No
2B_1	47636424	Tdurum_contig67613_465	46.8	0.0	No
2B_1	65800344	Tdurum_contig70558_492	46.8	0.0	No
2B_1	60810394	Tdurum_contig72054_94	46.8	0.0	No
2B_1	63602367	Tdurum_contig96648_102	46.8	0.0	No
2B_1	41650460	Tdurum_contig96648_192	46.8	0.0	No
2B_1	18607311	tplb0024l03_910	46.8	0.0	No
2B_1	12791433	wsnp_Ex_c13353_21046550	46.8	0.0	No
2B_1	60746400	wsnp_Ex_c19772_28771627	46.8	0.0	No
2B_1	41772411	wsnp_Ex_c24135_33382521	46.8	0.0	No
2B_1	37659472	wsnp_Ex_c24135_33382700	46.8	0.0	No
2B_1	50720507	wsnp_Ex_c28627_37743031	46.8	0.0	No
2B_1	67629377	wsnp_Ex_c3506_6414757	46.8	0.0	No
2B_1	63797325	wsnp_Ex_c3506_6415495	46.8	0.0	No
2B_1	59760376	wsnp_Ex_c3506_6415581	46.8	0.0	No
2B_1	54622421	wsnp_Ex_c5123_9087869	46.8	0.0	No
2B_1	42775321	wsnp_Ex_c5123_9088111	46.8	0.0	No
2B_1	74664375	wsnp_Ex_c5123_9089025	46.8	0.0	No
2B_1	72770384	wsnp_Ex_c5123_9089624	46.8	0.0	No
2B_1	43702308	wsnp_Ex_c9025_15039930	46.8	0.0	No
2B_1	47757415	wsnp_Ku_c15498_24122936	46.8	0.0	No
2B_1	65753397	wsnp_Ku_c7297_12596001	46.8	0.0	No
2B_1	71719313	wsnp_Ku_c9901_16493072	46.8	0.0	No
2B_1	35777477	wsnp_Ra_c16333_24961476	46.8	0.0	No
2B_1	71808431	Kukri_s110874_162	46.8	0.1	Yes
2B_1	65684320	RAC875_c54927_238	46.8	0.0	Yes
2B_1	69617479	RAC875_c77565_298	46.9	0.1	Yes
2B_1	wPt-8460	wPt-8460	46.9	1.6	Yes
2B_1	wPt-3651	wPt-3651	48.5	0.0	Yes
2B_1	wPt-0489	wPt-0489	48.5	3.0	No
2B_1	wPt-1646	wPt-1646	51.6		Yes
2B_2	wPt-9958	wPt-9958	0.0	3.7	Yes
2B_2	21741330	BS00010318_51	3.7	0.0	Yes
2B_2	57689460	BS00070050_51	3.7	0.0	No
2B_2	66805385	BS00070051_51	3.7	0.0	No
2B_2	39766453	BS00070900_51	3.7	0.0	No
2B_2	62638305	BS00072619_51	3.7	0.0	No
2B_2	37641457	BS00072620_51	3.7	0.0	No
2B_2	26655504	BS00075303_51	3.7	0.0	No
2B_2	70796398	D_F5XZDLF01CFO7W_135	3.7	0.0	No
2B_2	27677385	GENE-1343_556	3.7	3.6	No
2B_2	41745453	BobWhite_c11397_231	7.3	0.0	Yes
2B_2	48767343	BobWhite_c17047_268	7.3	0.0	No
2B_2	64642414	BobWhite_c39433_450	7.3	0.0	No

2B_2	18636303	BS00099465_51	7.3	0.0	No
2B_2	24797430	RAC875_c16656_406	7.3	0.0	No
2B_2	21801508	Tdurum_contig10208_447	7.3	0.0	No
2B_2	47616439	Tdurum_contig10208_452	7.3	6.3	No
2B_2	56664430	BobWhite_c23828_341	13.6	0.0	Yes
2B_2	52693464	BS00013534_51	13.6	0.0	No
2B_2	26667460	BS00028092_51	13.6	0.0	No
2B_2	61731506	BS00044806_51	13.6	0.0	No
2B_2	52694499	BS00086125_51	13.6	0.0	No
2B_2	22626378	Excalibur_c22179_206	13.6	0.0	No
2B_2	65620361	Excalibur_c41959_546	13.6	0.0	No
2B_2	15737342	Excalibur_c841_609	13.6	0.0	No
2B_2	22683483	IAAV8700	13.6	0.0	No
2B_2	12784390	Kukri_c16758_443	13.6	0.0	No
2B_2	33674347	Kukri_c19815_969	13.6	0.0	No
2B_2	10749357	Kukri_c41556_619	13.6	0.0	No
2B_2	63690352	RAC875_c9543_99	13.6	0.0	No
2B_2	20676441	Tdurum_contig12711_264	13.6	0.0	No
2B_2	41611497	Tdurum_contig49144_321	13.6	0.0	No
2B_2	64701393	Tdurum_contig51145_187	13.6	0.0	No
2B_2	61677412	Tdurum_contig51145_476	13.6	0.0	No
2B_2	20680425	Tdurum_contig54649_798	13.6	0.0	No
2B_2	49747371	Tdurum_contig54649_915	13.6	0.0	No
2B_2	35678315	Tdurum_contig93602_268	13.6	0.0	No
2B_2	48705437	Tdurum_contig93602_338	13.6	0.6	No
2B_2	15751334	BS00043055_51	14.2	0.0	Yes
2B_2	43804354	Excalibur_c22179_119	14.2	0.0	No
2B_2	26686323	wsnp_Ex_c18354_27181431	14.2	0.0	No
2B_2	66657505	BobWhite_c15035_469	14.2	0.0	Yes
2B_2	24669449	BS00085748_51	14.2	0.0	No
2B_2	44730476	BS00086109_51	14.2	0.0	No
2B_2	35707472	BS00100466_51	14.2	0.0	No
2B_2	72687471	BS00108016_51	14.2	0.0	No
2B_2	37707385	Excalibur_c1787_1037	14.2	0.0	No
2B_2	14720403	Kukri_c12804_620	14.2	0.0	No
2B_2	36787389	Kukri_c22513_1780	14.2	0.0	No
2B_2	11620340	Kukri_rep_c92967_369	14.2	0.0	No
2B_2	15605329	wsnp_Ex_c18354_27181086	14.2	0.2	No
2B_2	37723456	Tdurum_contig48835_437	14.4	0.0	Yes
2B_2	wPt-2106	wPt-2106	14.4	0.3	Yes
2B_2	21800346	RAC875_rep_c69222_996	14.7	3.5	Yes
2B_2	10764355	BS00023068_51	18.2	0.0	Yes
2B_2	24643394	BS00027693_51	18.2	0.0	No
2B_2	53720394	Excalibur_c10406_1949	18.2	0.0	No

2B_2	33794395	Excalibur_c34937_710	18.2	0.0	No
2B_2	49766350	Excalibur_c34937_734	18.2	0.0	No
2B_2	47773390	GENE-1230_189	18.2	0.0	No
2B_2	28808481	Kukri_c7339_1716	18.2	0.0	No
2B_2	23784373	Kukri_rep_c110389_569	18.2	0.0	No
2B_2	38692329	Kukri_rep_c117487_334	18.2	0.0	No
2B_2	66797388	RAC875_c38665_247	18.2	0.0	No
2B_2	16758425	RAC875_c5577_1682	18.2	2.7	No
2B_2	37809448	wsnp_Ku_c3663_6748611	20.9		Yes
2B_3	61699435	Kukri_c8177_718	0.0	0.0	Yes
2B_3	65704370	Tdurum_contig27880_199	0.0	0.0	No
2B_3	10695335	Tdurum_contig27880_75	0.0	0.0	No
2B_3	18618450	Tdurum_contig42504_1634	0.0	0.0	No
2B_3	64639491	Tdurum_contig48833_736	0.0	0.0	No
2B_3	38739342	Tdurum_contig62998_380	0.0	0.0	No
2B_3	53722380	wsnp_Ex_c29445_38480890	0.0	0.2	No
2B_3	12770423	Tdurum_contig64416_441	0.2	4.3	Yes
2B_3	48621301	Excalibur_c22285_762	4.4	0.0	Yes
2B_3	45671323	Excalibur_rep_c86787_98	4.4	8.7	No
2B_3	32645403	BobWhite_c8113_532	13.2	0.0	Yes
2B_3	65809315	wsnp_Ex_c7003_12065642	13.2	0.0	No
2B_3	22660468	wsnp_Ex_c7003_12065828	13.2	3.0	No
2B_3	58615442	RAC875_rep_c96091_211	16.2		Yes
3A	wPt-8362	wPt-8362	0.0	4.3	Yes
3A	69631338	Tdurum_contig29045_84	4.3	0.0	Yes
3A	54672504	Tdurum_contig48522_227	4.3	0.0	No
3A	45724455	Tdurum_contig48522_295	4.3	0.0	No
3A	25789348	Tdurum_contig48522_635	4.3	1.3	No
3A	28803467	BobWhite_c716_644	5.6	0.0	Yes
3A	56801435	BobWhite_c8674_595	5.6	0.0	No
3A	36656442	BS00064445_51	5.6	0.0	No
3A	70784423	CAP7_rep_c12940_130	5.6	0.0	No
3A	33745405	Excalibur_c18747_1292	5.6	0.0	No
3A	58655318	IAAV969	5.6	0.0	No
3A	24794331	Kukri_c15102_505	5.6	0.0	No
3A	67790477	Kukri_c27572_1338	5.6	0.0	No
3A	46754407	RAC875_c14370_1319	5.6	0.0	No
3A	63707393	RAC875_c62012_382	5.6	0.0	No
3A	71767426	RAC875_c947_383	5.6	0.0	No
3A	22704344	Tdurum_contig42150_2422	5.6	0.0	No
3A	69758398	Tdurum_contig42150_3190	5.6	0.0	No
3A	19657446	Tdurum_contig42150_3198	5.6	0.0	No
3A	38646431	Tdurum_contig42150_3348	5.6	0.0	No
3A	27636311	Tdurum_contig42150_3417	5.6	0.0	No

3A	22610342	Tdurum_contig42150_3440	5.6	0.0	No
3A	58638463	Tdurum_contig42647_1727	5.6	0.0	No
3A	74803455	Tdurum_contig49022_293	5.6	0.0	No
3A	29601457	Tdurum_contig55560_972	5.6	0.0	No
3A	23700493	Tdurum_contig57552_327	5.6	0.0	No
3A	10751415	Tdurum_contig61190_271	5.6	0.0	No
3A	60795494	wsnp_Ex_c18747_27625264	5.6	0.0	No
3A	65726404	wsnp_Ex_c35861_43926854	5.6	0.0	No
3A	28638482	wsnp_Ex_rep_c104327_89077792	5.6	0.0	No
3A	17658459	wsnp_Ex_rep_c69919_68881108	5.6	0.5	No
3A	wPt-1119	wPt-1119	6.0	3.7	Yes
3A	17766473	BS00047668_51	9.7	0.0	Yes
3A	52648401	BS00048355_51	9.7	0.0	No
3A	59712366	Excalibur_c60581_62	9.7	0.0	No
3A	58640508	GENE-1634_405	9.7	0.0	No
3A	13629447	Kukri_rep_c72850_358	9.7	0.0	No
3A	48640431	RAC875_c53238_455	9.7	0.0	No
3A	64756488	RAC875_c57977_121	9.7	0.0	No
3A	34683459	TA001383-0516	9.7	0.0	No
3A	22806469	Tdurum_contig13671_297	9.7	0.0	No
3A	73777333	Tdurum_contig34453_179	9.7	0.0	No
3A	22702507	Tdurum_contig47186_1848	9.7	0.0	No
3A	21682306	Tdurum_contig47186_1897	9.7	0.0	No
3A	22652317	Tdurum_contig51341_630	9.7	0.0	No
3A	30694359	Tdurum_contig83333_238	9.7	6.2	No
3A	54735391	BS00066319_51	15.9	0.0	Yes
3A	26736331	RAC875_rep_c109433_782	15.9	0.0	No
3A	68756308	Tdurum_contig12557_1382	15.9	0.0	No
3A	38689445	Tdurum_contig76105_124	15.9	0.0	No
3A	27650509	Tdurum_contig76105_201	15.9	1.5	No
3A	41755404	Tdurum_contig27968_156	17.4	0.0	Yes
3A	15631456	Tdurum_contig42827_1693	17.4	0.0	No
3A	46650488	Tdurum_contig47509_93	17.4	0.0	No
3A	36756372	Tdurum_contig64606_1104	17.4	0.0	No
3A	53803498	Tdurum_contig64606_1106	17.4	0.0	No
3A	20679356	Tdurum_contig64606_1309	17.4	0.0	No
3A	46673342	Tdurum_contig76296_461	17.4	2.9	No
3A	49641502	BobWhite_c2868_183	20.3	0.0	Yes
3A	28648318	Ex_c22149_916	20.3	0.0	No
3A	45740461	Excalibur_c38597_243	20.3	0.0	No
3A	53700300	Kukri_rep_c111139_338	20.3	4.2	No
3A	62755505	BS00031289_51	24.6	0.0	Yes
3A	52780390	IAAV902	24.6	0.0	No
3A	40687387	IACX787	24.6	0.0	No

3A	63644328	Kukri_c37815_53	24.6	0.0	No
3A	54627378	Kukri_c41296_172	24.6	0.0	No
3A	66706397	RAC875_c744_1935	24.6	0.0	No
3A	38736451	Tdurum_contig11714_304	24.6	0.0	No
3A	64775465	Tdurum_contig43475_978	24.6	0.0	No
3A	63609438	Tdurum_contig61819_115	24.6	0.0	No
3A	63615432	wsnp_Ex_c1039_1990833	24.6	0.0	No
3A	38689417	wsnp_Ra_c744_1535534	24.6	1.2	No
3A	13623337	RAC875_s120038_124	25.7	0.3	Yes
3A	53667447	BS00003971_51	26.1	0.0	Yes
3A	45751329	BS00064039_51	26.1	0.0	No
3A	52614321	Excalibur_c33545_134	26.1	0.0	No
3A	52659487	IACX6277	26.1	0.0	No
3A	12611357	Ku_c70534_1215	26.1	0.0	No
3A	62626480	Kukri_rep_c87640_135	26.1	0.0	No
3A	45623326	RAC875_c58159_521	26.1	0.0	No
3A	19735399	Tdurum_contig98188_239	26.1	0.0	No
3A	19790464	wsnp_Ex_c12750_20243224	26.1	0.0	No
3A	38604331	wsnp_Ex_c28930_38008757	26.1	0.0	No
3A	65618393	wsnp_Ex_rep_c66685_65003087	26.1	0.0	No
3A	14627315	wsnp_Ex_rep_c69864_68823765	26.1	0.0	No
3A	62662440	wsnp_Ex_rep_c69864_68824236	26.1	0.0	No
3A	45683390	wsnp_Ex_rep_c69864_68824319	26.1	0.0	No
3A	54744349	wsnp_Ku_c23901_33846711	26.1	0.0	No
3A	57707371	wsnp_Ku_c5378_9559013	26.1	0.0	No
3A	74709325	wsnp_Ra_c34117_42876812	26.1	16.1	No
3A	47655304	BS00067215_51	42.2	0.0	Yes
3A	32695491	BS00067216_51	42.2	0.0	No
3A	25717488	Kukri_rep_c70575_722	42.2	0.0	No
3A	61680502	Tdurum_contig56960_109	42.2	0.0	No
3A	10614475	Tdurum_contig9063_299	42.2	1.6	No
3A	73626376	RAC875_rep_c109288_122	43.8	0.0	Yes
3A	40781328	RFL_Contig1170_1827	43.8	0.0	No
3A	16796370	Tdurum_contig44029_144	43.8	0.0	No
3A	13620387	Tdurum_contig44029_158	43.8	0.0	No
3A	36637307	Tdurum_contig44029_621	43.8	0.0	No
3A	32622505	Tdurum_contig44029_66	43.8	5.1	No
3A	13747438	Excalibur_c6852_799	48.9	1.2	Yes
3A	47620366	wsnp_Ex_c15674_24005648	50.0	0.0	Yes
3A	58796306	BobWhite_c20673_447	50.1	0.0	Yes
3A	27733302	BobWhite_c29419_116	50.1	0.0	No
3A	15767467	BS00048757_51	50.1	0.0	No
3A	10710416	BS00065956_51	50.1	0.0	No
3A	52688441	Excalibur_c25239_283	50.1	0.0	No

3A	57606487	Excalibur_c27972_320	50.1	0.0	No
3A	32784402	Excalibur_c47078_512	50.1	0.0	No
3A	53652341	Kukri_c4568_1708	50.1	0.0	No
3A	17810490	Kukri_c47091_511	50.1	0.0	No
3A	34717477	Kukri_c80974_619	50.1	0.0	No
3A	13780446	RAC875_c37084_107	50.1	0.0	No
3A	11677367	wsnp_Ex_c15674_24004513	50.1	0.0	No
3A	52605411	wsnp_Ex_c15674_24004810	50.1	1.3	No
3A	25750351	Tdurum_contig45380_92	51.4	0.0	Yes
3A	47775460	BobWhite_c11997_246	51.4	0.0	Yes
3A	16688467	Excalibur_c11594_497	51.4	0.0	No
3A	53654390	Excalibur_c1806_1285	51.4	0.0	No
3A	23686458	Excalibur_c34472_211	51.4	0.0	No
3A	15626411	Excalibur_c64214_703	51.4	0.0	No
3A	14804374	Kukri_c32377_237	51.4	0.0	No
3A	66619323	Kukri_c32377_399	51.4	0.0	No
3A	17753434	Kukri_c32377_557	51.4	0.0	No
3A	35663342	Kukri_c56638_212	51.4	0.0	No
3A	39801401	RAC875_c584_303	51.4	0.0	No
3A	58612324	RAC875_c64107_404	51.4	0.0	No
3A	57675320	RAC875_rep_c109701_76	51.4	0.0	No
3A	20744403	TA015264-0958	51.4	0.0	No
3A	35644506	Tdurum_contig12371_132	51.4	0.0	No
3A	37686410	Tdurum_contig12371_197	51.4	0.0	No
3A	50662311	Tdurum_contig29847_479	51.4	0.0	No
3A	12736430	Tdurum_contig30718_308	51.4	0.0	No
3A	37807482	Tdurum_contig30718_383	51.4	0.0	No
3A	44649395	Tdurum_contig59358_392	51.4	0.0	No
3A	65739441	Tdurum_contig5961_2764	51.4	0.0	No
3A	15656351	Tdurum_contig60260_89	51.4	0.0	No
3A	35658391	Tdurum_contig74920_757	51.4	0.0	No
3A	16772374	Tdurum_contig91865_242	51.4	0.0	No
3A	58717351	Tdurum_contig99640_243	51.4	0.1	No
3A	12614475	Tdurum_contig12371_248	51.5	2.4	Yes
3A	20685407	BS00021981_51	53.9	0.0	Yes
3A	32700373	Kukri_rep_c102953_304	53.9	0.0	No
3A	46614379	wsnp_Ex_c742_1458033	53.9		No
3B_1	28698354	Excalibur_rep_c104387_443	0.0	12.3	Yes
3B_1	18723442	Kukri_c22235_1547	12.3	0.0	Yes
3B_1	30704353	wsnp_Ex_c2500_4671165	12.3	0.1	No
3B_1	18702365	Excalibur_c27057_401	12.4	4.4	Yes
3B_1	32737338	BS00010277_51	16.8	0.0	Yes
3B_1	48630476	BS00064896_51	16.8	0.0	No
3B_1	59797441	Kukri_rep_c114800_56	16.8	0.0	No

3B_1	55762454	Tdurum_contig45817_193	16.8	3.0	No
3B_1	20688474	BS00021992_51	19.8	0.0	Yes
3B_1	69689427	BS00068473_51	19.8	0.0	No
3B_1	64717480	TA009924-0526	19.8	0.0	No
3B_1	15766400	Tdurum_contig44221_1085	19.8	0.0	No
3B_1	56622341	wsnp_CAP7_c5097_2266314	19.8	1.4	No
3B_1	53695414	Excalibur_c50953_96	21.2	0.0	Yes
3B_1	10637452	Kukri_c24007_83	21.2	1.6	No
3B_1	33717308	BobWhite_c13381_101	22.8	0.0	Yes
3B_1	47782463	GENE-1512_152	22.8	0.0	No
3B_1	30784390	Kukri_c668_316	22.8	0.0	No
3B_1	37689441	Tdurum_contig60330_1230	22.8	0.0	No
3B_1	31787395	Tdurum_contig60330_126	22.8	0.0	No
3B_1	17714376	wsnp_Ra_c67016_65144188	22.8	1.2	No
3B_1	42772488	Tdurum_contig15928_135	24.0	0.0	Yes
3B_1	10693444	Tdurum_contig46030_580	24.0	0.3	No
3B_1	wPt-9049	wPt-9049	24.3	0.8	Yes
3B_1	51780351	Kukri_c35451_857	25.1	1.7	Yes
3B_1	wPt-2698	wPt-2698	26.8	12.1	Yes
3B_1	26651478	GENE-2105_409	38.9	0.0	Yes
3B_1	66750499	Kukri_c41129_344	38.9	0.0	No
3B_1	39805406	Kukri_rep_c93484_422	38.9	2.8	No
3B_1	55609449	Ra_c35_3184	41.7	0.0	Yes
3B_1	33800419	RFL_Contig679_784	41.7	0.0	No
3B_1	22761426	Tdurum_contig48528_144	41.7	0.0	No
3B_1	12619370	Tdurum_contig48528_320	41.7	0.0	No
3B_1	16738367	wsnp_JD_c4413_5541190	41.7	1.8	No
3B_1	47643464	RAC875_c65295_290	43.5	1.3	Yes
3B_1	58673391	Excalibur_c33274_498	44.8	0.0	Yes
3B_1	63608350	Tdurum_contig11443_1022	44.8	0.0	No
3B_1	66746403	Tdurum_contig11443_978	44.8	0.0	No
3B_1	31800387	Tdurum_contig12643_514	44.8	0.0	No
3B_1	20628306	Tdurum_contig67350_494	44.8	0.0	No
3B_1	59785402	Tdurum_contig67350_771	44.8	0.0	No
3B_1	66747440	Tdurum_contig93431_129	44.8	0.0	No
3B_1	29709317	Tdurum_contig93431_485	44.8	0.0	No
3B_1	55764410	wsnp_Ex_c19778_28779907	44.8	0.0	No
3B_1	37787404	wsnp_Ex_rep_c101457_86817938	44.8	3.6	No
3B_1	51725372	BobWhite_c33344_143	48.4	0.0	Yes
3B_1	56649386	IAAV6566	48.4	0.0	No
3B_1	48801360	RAC875_c42186_335	48.4	0.0	No
3B_1	57715474	Tdurum_contig8365_319	48.4	0.0	No
3B_1	70798451	Tdurum_contig8365_433	48.4	5.2	No
3B_1	29786484	Tdurum_contig66511_957	53.6	0.1	Yes

3B_1	60794449	BobWhite_c22794_470	53.6	0.0	Yes
3B_1	14790458	BobWhite_rep_c66990_212	53.6	0.0	No
3B_1	70704318	BobWhite_rep_c66990_294	53.6	0.0	No
3B_1	47602326	BS00031402_51	53.6	0.0	No
3B_1	11635307	Ex_c25520_449	53.6	0.0	No
3B_1	36766472	Excalibur_c35526_537	53.6	0.0	No
3B_1	15725480	Excalibur_c60319_127	53.6	0.0	No
3B_1	33722324	Excalibur_c8998_469	53.6	0.0	No
3B_1	19658302	GENE-1167_104	53.6	0.0	No
3B_1	38606445	IAAV3519	53.6	0.0	No
3B_1	47729463	IAAV4125	53.6	0.0	No
3B_1	49778449	IAAV8554	53.6	0.0	No
3B_1	17711472	Ku_c12345_328	53.6	0.0	No
3B_1	66667378	Kukri_c11147_22	53.6	0.0	No
3B_1	30697489	Kukri_c14832_407	53.6	0.0	No
3B_1	59792383	Ra_c44591_213	53.6	0.0	No
3B_1	53661500	RAC875_c19810_278	53.6	0.0	No
3B_1	39629370	Tdurum_contig76671_435	53.6	0.0	No
3B_1	67672417	wsnp_Ex_c3040_5615597	53.6	2.8	No
3B_1	66607435	Excalibur_c34754_108	56.4	0.0	Yes
3B_1	61625482	RAC875_c65292_58	56.4	3.3	No
3B_1	55761400	BS00032926_51	59.8	0.0	Yes
3B_1	25753437	Ex_c4757_695	59.8	8.6	No
3B_1	15638485	Tdurum_contig49991_103	68.4	0.0	Yes
3B_1	33808302	wsnp_Ex_c11313_18277285	68.4	0.0	No
3B_1	13771400	wsnp_Ex_c11313_18277396	68.4	3.1	No
3B_1	32748374	BS00087278_51	71.5	0.1	Yes
3B_1	36722411	BobWhite_c21036_213	71.5	0.0	Yes
3B_1	50704359	BS00005265_51	71.5	0.0	No
3B_1	67801480	BS00087279_51	71.5	0.0	No
3B_1	30808364	CAP7_c3667_77	71.5	0.0	No
3B_1	72738345	Excalibur_c18060_449	71.5	0.0	No
3B_1	47677321	Excalibur_c6325_949	71.5	0.0	No
3B_1	58800347	Excalibur_rep_c106935_390	71.5	0.0	No
3B_1	22628396	Jagger_c5649_59	71.5	0.0	No
3B_1	65677451	Kukri_rep_c107421_115	71.5	0.0	No
3B_1	22750491	RAC875_c20275_1619	71.5	0.0	No
3B_1	59670466	RAC875_c50661_279	71.5	0.0	No
3B_1	21802410	RAC875_rep_c116515_181	71.5	0.0	No
3B_1	53745482	wsnp_Ex_c12887_20427158	71.5	0.0	No
3B_1	37656475	wsnp_Ex_rep_c110375_92775402	71.5	6.2	No
3B_1	63681357	BS00068494_51	77.7	0.0	Yes
3B_1	60720480	Tdurum_contig49477_548	77.7	0.1	No
3B_1	69788382	Excalibur_c5416_846	77.8	0.0	Yes

3B_1	35631318	Ku_c71049_1180	77.8	0.0	No
3B_1	25607393	TA002266-1244	77.8	0.0	No
3B_1	31754310	Tdurum_contig48224_272	77.8	0.0	No
3B_1	60603486	Tdurum_contig49477_187	77.8	0.0	No
3B_1	65624454	Tdurum_contig63110_433	77.8	0.0	No
3B_1	69788323	wsnp_RFL_Contig383_4163148	77.8	1.5	No
3B_1	34761381	BS00037536_51	79.3	0.0	Yes
3B_1	47765308	BS00089166_51	79.3	0.0	No
3B_1	39733361	Ex_c5074_1539	79.3	0.0	No
3B_1	33647370	Excalibur_c5921_1315	79.3	0.0	No
3B_1	23744320	Excalibur_c80041_400	79.3	0.0	No
3B_1	33646407	GENE-1455_114	79.3	0.0	No
3B_1	52781325	IAAV1382	79.3	0.0	No
3B_1	31660486	IAAV2739	79.3	0.0	No
3B_1	14685388	Ku_c101932_436	79.3	0.0	No
3B_1	18753390	Kukri_rep_c108929_91	79.3	0.0	No
3B_1	44661468	wsnp_Ex_c5074_9009245	79.3	0.0	No
3B_1	67615408	wsnp_Ku_rep_c73198_72796386	79.3	0.0	No
3B_1	71767349	wsnp_Ra_rep_c74606_72470419	79.3	1.4	No
3B_1	59694507	BS00011869_51	80.8	0.0	Yes
3B_1	69783490	wsnp_Ku_c93664_84327484	80.8	1.4	No
3B_1	26650310	Excalibur_c11242_301	82.1	0.0	Yes
3B_1	59653470	Kukri_c21818_519	82.1	0.0	No
3B_1	68628353	TA001464-0572	82.1	0.0	No
3B_1	43665307	wsnp_Ku_c21818_31604716	82.1	0.0	No
3B_1	40695489	wsnp_Ku_c4078_7436510	82.1	7.7	No
3B_1	43604471	BobWhite_c1196_297	89.9	0.0	Yes
3B_1	42654349	BobWhite_c14606_452	89.9	0.0	No
3B_1	73653397	BobWhite_c42781_98	89.9	0.0	No
3B_1	45709447	BS00023645_51	89.9	0.0	No
3B_1	48681316	BS00033737_51	89.9	0.0	No
3B_1	38669378	BS00036352_51	89.9	0.0	No
3B_1	13654321	BS00037898_51	89.9	0.0	No
3B_1	71781468	BS00043730_51	89.9	0.0	No
3B_1	41620326	BS00045330_51	89.9	0.0	No
3B_1	38714467	BS00053566_51	89.9	0.0	No
3B_1	59648339	BS00053568_51	89.9	0.0	No
3B_1	44754307	BS00073825_51	89.9	0.0	No
3B_1	32649505	BS00074997_51	89.9	0.0	No
3B_1	66662462	Excalibur_c14999_712	89.9	0.0	No
3B_1	11666389	Excalibur_c16842_743	89.9	0.0	No
3B_1	39786325	Excalibur_c29625_222	89.9	0.0	No
3B_1	25787318	Excalibur_c29625_243	89.9	0.0	No
3B_1	50640488	Excalibur_c33550_75	89.9	0.0	No

3B_1	56771491	Excalibur_c46052_695	89.9	0.0	No
3B_1	32612320	Excalibur_c77101_90	89.9	0.0	No
3B_1	34668494	Excalibur_rep_c100805_157	89.9	0.0	No
3B_1	39721498	Excalibur_rep_c111297_98	89.9	0.0	No
3B_1	51771437	GENE-1966_110	89.9	0.0	No
3B_1	26667475	IAAV4105	89.9	0.0	No
3B_1	26734435	IACX11401	89.9	0.0	No
3B_1	21712316	Kukri_rep_c70198_1436	89.9	0.0	No
3B_1	62785364	Kukri_rep_c73303_688	89.9	0.0	No
3B_1	20743508	RAC875_c10203_2620	89.9	0.0	No
3B_1	53605332	RAC875_c19030_112	89.9	0.0	No
3B_1	55627426	RAC875_c46237_294	89.9	0.0	No
3B_1	40790387	RAC875_c8081_435	89.9	0.0	No
3B_1	70717385	RAC875_rep_c82061_78	89.9	0.0	No
3B_1	49654324	RAC875_rep_c83245_239	89.9	0.0	No
3B_1	35720454	RFL_Contig1945_110	89.9	0.0	No
3B_1	16806305	RFL_Contig5758_757	89.9	0.0	No
3B_1	52748430	RFL_Contig622_1601	89.9	0.0	No
3B_1	10664434	RFL_Contig622_381	89.9	0.0	No
3B_1	65711504	RFL_Contig873_566	89.9	0.0	No
3B_1	50644328	TA002241-1114	89.9	0.0	No
3B_1	42734420	TA002954-0682	89.9	0.0	No
3B_1	45753391	Tdurum_contig12540_72	89.9	0.0	No
3B_1	11775445	Tdurum_contig12941_1413	89.9	0.0	No
3B_1	68727418	Tdurum_contig31586_197	89.9	0.0	No
3B_1	14749497	Tdurum_contig42234_4440	89.9	0.0	No
3B_1	15805318	Tdurum_contig42234_6222	89.9	0.0	No
3B_1	27655447	Tdurum_contig54463_316	89.9	0.0	No
3B_1	44761437	Tdurum_contig75784_771	89.9	0.0	No
3B_1	12769382	wsnp_BG263758B_Ta_2_1	89.9	0.0	No
3B_1	41781441	wsnp_Ex_c3227_5948436	89.9	0.0	No
3B_1	50735310	wsnp_Ex_c5378_9505533	89.9	0.0	No
3B_1	29605316	wsnp_Ex_c5457_9631220	89.9	0.0	No
3B_1	13673417	wsnp_Ex_c5457_9632050	89.9	0.0	No
3B_1	54788469	wsnp_JD_c1316_1891903	89.9	0.0	No
3B_1	13725473	wsnp_JD_c1816_2522844	89.9	0.0	No
3B_1	21706316	wsnp_Ra_c10203_16850924	89.9	0.0	No
3B_1	60648457	wsnp_Ra_c38981_46788555	89.9	0.2	No
3B_1	wPt-6047	wPt-6047	90.0	0.4	Yes
3B_1	56778330	Tdurum_contig75688_884	90.4	2.1	Yes
3B_1	42665484	BobWhite_c5968_868	92.5	0.0	Yes
3B_1	40792376	Kukri_c4074_463	92.5	2.6	No
3B_1	26614475	BobWhite_rep_c50834_145	95.0	0.0	Yes
3B_1	67678509	BS00022741_51	95.0	0.0	No

3B_1	45709413	BS00075108_51	95.0	0.0	No
3B_1	36768505	Excalibur_c21372_142	95.0	0.0	No
3B_1	48682313	Excalibur_c2492_1750	95.0	0.0	No
3B_1	26791370	Excalibur_c52783_67	95.0	0.0	No
3B_1	38617328	Kukri_c10511_94	95.0	0.0	No
3B_1	60619390	Kukri_c32046_493	95.0	0.0	No
3B_1	33735456	Kukri_c48750_1372	95.0	0.0	No
3B_1	22747370	Kukri_c48750_1416	95.0	0.0	No
3B_1	35611319	RAC875_c35355_777	95.0	0.0	No
3B_1	11770473	Tdurum_contig51993_52	95.0	0.0	No
3B_1	11781345	wsnp_Ex_c44447_50496676	95.0	0.0	No
3B_1	18719502	wsnp_Ku_c13069_20938717	95.0	0.0	No
3B_1	14785414	Tdurum_contig81690_353	95.0	0.7	Yes
3B_1	27670387	Excalibur_c36626_228	95.8	0.0	Yes
3B_1	27717440	RAC875_c49822_111	95.8	4.9	No
3B_1	wPt-8140	wPt-8140	100.7	7.4	Yes
3B_1	wPt-8686	wPt-8686	108.0	0.0	Yes
3B_1	wPt-1349	wPt-1349	108.0	0.3	No
3B_1	25773506	BobWhite_c12360_401	108.4	0.0	Yes
3B_1	33780472	BobWhite_c2957_369	108.4	0.0	No
3B_1	38669350	BS00022242_51	108.4	0.0	No
3B_1	21733356	D_contig23666_332	108.4	0.0	No
3B_1	60639446	Excalibur_c25515_95	108.4	0.0	No
3B_1	47660493	Excalibur_c47078_1842	108.4	0.0	No
3B_1	31606460	Excalibur_c47078_1918	108.4	0.0	No
3B_1	74635484	Excalibur_c48030_405	108.4	0.0	No
3B_1	14795307	Ku_c17747_568	108.4	0.0	No
3B_1	26775420	Ku_c1976_663	108.4	0.0	No
3B_1	44793413	Kukri_c17063_548	108.4	0.0	No
3B_1	38762492	Kukri_c24606_98	108.4	0.0	No
3B_1	16729497	Kukri_c27565_61	108.4	0.0	No
3B_1	29654465	Kukri_c50943_853	108.4	0.0	No
3B_1	60669313	Kukri_c54561_272	108.4	0.0	No
3B_1	47781326	Ra_c21068_1260	108.4	0.0	No
3B_1	69754371	Tdurum_contig28784_225	108.4	0.0	No
3B_1	35697446	Tdurum_contig31379_183	108.4	0.0	No
3B_1	42749374	Tdurum_contig31498_210	108.4	0.0	No
3B_1	62808477	Tdurum_contig41261_243	108.4	0.0	No
3B_1	26644338	Tdurum_contig42485_1862	108.4	0.0	No
3B_1	35731457	Tdurum_contig4951_694	108.4	0.0	No
3B_1	65639333	Tdurum_contig60949_306	108.4	0.0	No
3B_1	65758417	Tdurum_contig64530_267	108.4	0.0	No
3B_1	37686421	Tdurum_contig97412_270	108.4	0.0	No
3B_1	26726464	Tdurum_contig97412_402	108.4	0.0	No

3B_1	50731434	wsnp_Ex_c47078_52393295	108.4	0.0	No
3B_1	38727390	Excalibur_c42314_1152	108.4	0.2	Yes
3B_1	wPt-8592	wPt-8592	108.6	0.1	Yes
3B_1	wPt-6239	wPt-6239	108.7	0.3	Yes
3B_1	53665310	BS00065927_51	108.9	0.0	Yes
3B_1	64711311	BS00067499_51	108.9	0.0	No
3B_1	64715393	D_F5XZDLF02HWOJZ_227	108.9	0.0	No
3B_1	67789368	Excalibur_c8284_580	108.9	0.0	No
3B_1	27624465	Ku_c14750_566	108.9	0.0	No
3B_1	12680507	Kukri_c14140_347	108.9	0.0	No
3B_1	66636417	Kukri_c46948_558	108.9	0.0	No
3B_1	34765506	Kukri_c73725_218	108.9	0.0	No
3B_1	62627503	RAC875_rep_c110663_1499	108.9	0.0	No
3B_1	65666338	RAC875_rep_c111648_86	108.9	0.0	No
3B_1	65668370	Tdurum_contig19977_210	108.9	2.1	No
3B_1	55723469	TA002541-0818	111.0	5.7	Yes
3B_1	wPt-6802	wPt-6802	116.7		Yes
3B_2	wPt-7225	wPt-7225	0.0	0.2	Yes
3B_2	wPt-7264	wPt-7264	0.2	0.4	Yes
3B_2	74750498	BS00042999_51	0.6	0.0	Yes
3B_2	64604478	BS00045156_51	0.6	0.0	No
3B_2	45710464	BS00075934_51	0.6	0.0	No
3B_2	51632351	Kukri_c17082_378	0.6	0.0	No
3B_2	47677424	RAC875_c46415_638	0.6	0.0	No
3B_2	66738435	RAC875_c4907_474	0.6	0.0	No
3B_2	43771312	RFL_Contig3626_521	0.6	0.0	No
3B_2	15790431	Tdurum_contig44344_346	0.6	0.0	No
3B_2	14771468	Tdurum_contig46443_1505	0.6	0.0	No
3B_2	23777327	Tdurum_contig6356_150	0.6	0.0	No
3B_2	66626488	Tdurum_contig7623_392	0.6	0.0	No
3B_2	37629351	wsnp_JD_c5170_6293946	0.6	1.2	No
3B_2	32724480	RAC875_c4954_331	1.8	0.0	Yes
3B_2	66613420	GENE-3869_603	1.8	0.3	Yes
3B_2	wPt-7984	wPt-7984	2.0	0.0	Yes
3B_2	wPt-3921	wPt-3921	2.1	0.1	Yes
3B_2	21783371	BobWhite_c4864_326	2.2	0.0	Yes
3B_2	31718370	BobWhite_c54480_387	2.2	0.0	No
3B_2	51752448	BobWhite_c6016_715	2.2	0.0	No
3B_2	31621367	BobWhite_c6016_805	2.2	0.0	No
3B_2	10709425	BS00001335_51	2.2	0.0	No
3B_2	34615359	BS00004358_51	2.2	0.0	No
3B_2	51674415	BS00011532_51	2.2	0.0	No
3B_2	36705476	BS00022229_51	2.2	0.0	No
3B_2	17810459	BS00022669_51	2.2	0.0	No

3B_2	27662483	BS00025838_51	2.2	0.0	No
3B_2	56633467	BS00036089_51	2.2	0.0	No
3B_2	35784471	BS00058654_51	2.2	0.0	No
3B_2	47756461	BS00058860_51	2.2	0.0	No
3B_2	60695433	BS00058861_51	2.2	0.0	No
3B_2	72646491	BS00062676_51	2.2	0.0	No
3B_2	10767448	BS00062677_51	2.2	0.0	No
3B_2	57719332	BS00063443_51	2.2	0.0	No
3B_2	72658500	BS00063445_51	2.2	0.0	No
3B_2	60760412	BS00064776_51	2.2	0.0	No
3B_2	44708434	BS00066754_51	2.2	0.0	No
3B_2	18635340	BS00067275_51	2.2	0.0	No
3B_2	44680390	BS00073658_51	2.2	0.0	No
3B_2	51628437	BS00077449_51	2.2	0.0	No
3B_2	42678411	BS00077909_51	2.2	0.0	No
3B_2	31646459	BS00083706_51	2.2	0.0	No
3B_2	69601414	BS00089530_51	2.2	0.0	No
3B_2	15675407	BS00095247_51	2.2	0.0	No
3B_2	17667413	BS00095248_51	2.2	0.0	No
3B_2	40685306	BS00098161_51	2.2	0.0	No
3B_2	15606501	BS00098759_51	2.2	0.0	No
3B_2	19601461	BS00098760_51	2.2	0.0	No
3B_2	51724486	BS00100706_51	2.2	0.0	No
3B_2	54732371	BS00102648_51	2.2	0.0	No
3B_2	30756462	Excalibur_c10014_307	2.2	0.0	No
3B_2	54726327	Excalibur_c17599_988	2.2	0.0	No
3B_2	53778444	Excalibur_c19743_1714	2.2	0.0	No
3B_2	47769497	Excalibur_c3031_59	2.2	0.0	No
3B_2	54667345	Excalibur_c30368_56	2.2	0.0	No
3B_2	19736439	Excalibur_c31384_461	2.2	0.0	No
3B_2	16762457	Excalibur_c35170_1610	2.2	0.0	No
3B_2	33714324	Excalibur_c39985_68	2.2	0.0	No
3B_2	24734366	Excalibur_c45695_253	2.2	0.0	No
3B_2	53746316	Excalibur_c9430_1166	2.2	0.0	No
3B_2	34721433	Excalibur_rep_c102055_320	2.2	0.0	No
3B_2	59686341	Excalibur_rep_c66331_1967	2.2	0.0	No
3B_2	38625425	Excalibur_rep_c71060_78	2.2	0.0	No
3B_2	13629417	GENE-3869_1166	2.2	0.0	No
3B_2	12807314	IAAV4876	2.2	0.0	No
3B_2	25702478	Kukri_c12817_59	2.2	0.0	No
3B_2	46707459	Kukri_c15654_309	2.2	0.0	No
3B_2	67648366	Kukri_c3540_931	2.2	0.0	No
3B_2	44749415	Kukri_c64588_229	2.2	0.0	No
3B_2	65708494	Kukri_rep_c69663_846	2.2	0.0	No

3B_2	20775503	RAC875_c101155_64	2.2	0.0	No
3B_2	61796373	RAC875_c11409_550	2.2	0.0	No
3B_2	45649507	RAC875_c14696_980	2.2	0.0	No
3B_2	38677330	RAC875_c21604_1625	2.2	0.0	No
3B_2	22729492	RAC875_c26767_158	2.2	0.0	No
3B_2	58664480	RAC875_c3956_275	2.2	0.0	No
3B_2	40781407	RAC875_c3956_659	2.2	0.0	No
3B_2	14706313	RAC875_c4954_1419	2.2	0.0	No
3B_2	48621416	RAC875_c4954_943	2.2	0.0	No
3B_2	19736335	RAC875_c62483_112	2.2	0.0	No
3B_2	26804461	RAC875_c98721_85	2.2	0.0	No
3B_2	69748352	RAC875_rep_c118986_60	2.2	0.0	No
3B_2	54721312	RAC875_rep_c69171_241	2.2	0.0	No
3B_2	46707381	RAC875_rep_c69820_148	2.2	0.0	No
3B_2	13651400	RFL_Contig1801_429	2.2	0.0	No
3B_2	18624509	RFL_Contig3008_1370	2.2	0.0	No
3B_2	45627362	RFL_Contig4531_1195	2.2	0.0	No
3B_2	70670413	TA003763-0481	2.2	0.0	No
3B_2	28693395	Tdurum_contig10352_373	2.2	0.0	No
3B_2	29629509	Tdurum_contig11192_373	2.2	0.0	No
3B_2	65630463	Tdurum_contig17943_547	2.2	0.0	No
3B_2	30773347	Tdurum_contig25619_350	2.2	0.0	No
3B_2	70676347	Tdurum_contig25619_416	2.2	0.0	No
3B_2	32678320	Tdurum_contig34149_219	2.2	0.0	No
3B_2	54613468	Tdurum_contig35799_208	2.2	0.0	No
3B_2	28788403	Tdurum_contig47506_251	2.2	0.0	No
3B_2	30601358	Tdurum_contig47506_269	2.2	0.0	No
3B_2	73715350	Tdurum_contig47506_495	2.2	0.0	No
3B_2	57659505	Tdurum_contig49804_392	2.2	0.0	No
3B_2	44612321	Tdurum_contig50954_1095	2.2	0.0	No
3B_2	58644504	Tdurum_contig50954_1264	2.2	0.0	No
3B_2	29764357	Tdurum_contig50954_1393	2.2	0.0	No
3B_2	47685498	Tdurum_contig50954_394	2.2	0.0	No
3B_2	46641410	Tdurum_contig50954_475	2.2	0.0	No
3B_2	39620399	Tdurum_contig50954_880	2.2	0.0	No
3B_2	10739474	Tdurum_contig77551_586	2.2	0.0	No
3B_2	18677340	Tdurum_contig77551_589	2.2	0.0	No
3B_2	45642359	Tdurum_contig84762_189	2.2	0.0	No
3B_2	71709440	Tdurum_contig84762_258	2.2	0.0	No
3B_2	34625324	Tdurum_contig93830_1688	2.2	0.0	No
3B_2	53698357	tplb0028p23_691	2.2	0.0	No
3B_2	62649451	tplb0028p23_852	2.2	0.0	No
3B_2	64732379	tplb0050o09_895	2.2	0.0	No
3B_2	57760367	wsnp_BE446462D_Ta_2_3	2.2	0.0	No

3B_2	31600353	wsnp_Ex_c12875_20407926	2.2	0.0	No
3B_2	27743453	wsnp_Ex_c30368_39293103	2.2	0.0	No
3B_2	26701502	wsnp_Ex_c8360_14085858	2.2	0.0	No
3B_2	61644412	wsnp_Ex_rep_c66331_64502363	2.2	0.0	No
3B_2	36729365	wsnp_Ex_rep_c66331_64502558	2.2	0.0	No
3B_2	47736395	wsnp_Ex_rep_c66331_64503065	2.2	0.0	No
3B_2	23725426	wsnp_Ku_c12698_20441325	2.2	0.0	No
3B_2	44645343	wsnp_Ku_c1629_3206989	2.2	0.0	No
3B_2	24798457	wsnp_Ra_c41135_48426638	2.2	0.1	No
3B_2	wPt-9303	wPt-9303	2.2	0.0	Yes
3B_2	wPt-8079	wPt-8079	2.2	0.0	Yes
3B_2	tPt-1079	tPt-1079	2.2	0.0	Yes
3B_2	wPt-1516	wPt-1516	2.3	1.0	Yes
3B_2	53697477	Tdurum_contig7623_695	3.3	1.4	Yes
3B_2	20652373	BobWhite_c3902_175	4.6	0.0	Yes
3B_2	58755453	Ra_c17608_960	4.6	0.0	No
3B_2	13715410	Tdurum_contig61004_483	4.6	0.0	No
3B_2	35681368	Tdurum_contig94629_258	4.6	0.0	No
3B_2	11711371	tplb0059m03_1516	4.6	1.5	No
3B_2	37744464	BobWhite_c22126_94	6.2	0.0	Yes
3B_2	60741489	BobWhite_c4249_174	6.2	0.0	No
3B_2	53765342	BS00022154_51	6.2	0.0	No
3B_2	63760430	CAP11_c2057_200	6.2	0.0	No
3B_2	21787380	CAP7_c1997_79	6.2	0.0	No
3B_2	56642444	Excalibur_c25195_1047	6.2	0.0	No
3B_2	30655407	Excalibur_c8314_405	6.2	0.0	No
3B_2	66762490	Excalibur_c8386_1009	6.2	0.0	No
3B_2	40600481	Tdurum_contig10608_948	6.2	0.0	No
3B_2	54685400	wsnp_Ex_c8386_14127329	6.2	0.0	No
3B_2	43766401	wsnp_Ex_c8386_14128029	6.2	0.0	No
3B_2	42674480	wsnp_Ex_rep_c103892_88739043	6.2	0.0	No
3B_2	48780439	wsnp_Ku_c55746_59522526	6.2	0.0	No
3B_2	69615301	wsnp_Ku_c6602_11531957	6.2	1.5	No
3B_2	34645487	BobWhite_c609_1239	7.7	0.0	Yes
3B_2	50718469	BobWhite_c609_414	7.7	0.0	No
3B_2	13638330	BobWhite_c609_453	7.7	0.0	No
3B_2	60750419	BS00009393_51	7.7	0.0	No
3B_2	72797386	BS00017635_51	7.7	0.0	No
3B_2	34645456	BS00033209_51	7.7	0.0	No
3B_2	70789468	BS00065556_51	7.7	0.0	No
3B_2	30644355	BS00110822_51	7.7	0.0	No
3B_2	66727311	CAP11_c527_306	7.7	0.0	No
3B_2	53701359	CAP7_c1576_371	7.7	0.0	No
3B_2	58794492	CAP7_c455_467	7.7	0.0	No

3B_2	37803328	CAP8_rep_c3727_108	7.7	0.0	No
3B_2	54733504	Excalibur_rep_c104237_78	7.7	0.0	No
3B_2	22769498	GENE-1851_76	7.7	0.0	No
3B_2	71612497	IAAV4561	7.7	0.0	No
3B_2	20669431	JD_c23336_253	7.7	0.0	No
3B_2	22799338	Ku_c23419_358	7.7	0.0	No
3B_2	60622329	Ku_c519_281	7.7	0.0	No
3B_2	71673428	Kukri_rep_c96809_1043	7.7	0.0	No
3B_2	55616354	Kukri_rep_c96809_457	7.7	0.0	No
3B_2	59790383	RAC875_c16609_1134	7.7	0.0	No
3B_2	38699494	RAC875_c787_671	7.7	0.0	No
3B_2	22681428	RAC875_rep_c96490_105	7.7	0.0	No
3B_2	20648426	RFL_Contig2585_1174	7.7	0.0	No
3B_2	53600346	RFL_Contig2585_1280	7.7	0.0	No
3B_2	27635467	RFL_Contig2585_547	7.7	0.0	No
3B_2	10700401	RFL_Contig5709_3446	7.7	0.0	No
3B_2	29729382	Tdurum_contig11115_99	7.7	0.0	No
3B_2	37760402	Tdurum_contig31294_108	7.7	0.0	No
3B_2	74715311	Tdurum_contig402_129	7.7	0.0	No
3B_2	21770418	Tdurum_contig43378_256	7.7	0.0	No
3B_2	36769451	Tdurum_contig75400_998	7.7	0.0	No
3B_2	53787309	Tdurum_contig79629_538	7.7	0.0	No
3B_2	57709499	Tdurum_contig80344_144	7.7	0.0	No
3B_2	23704496	tplb0043c20_1046	7.7	0.0	No
3B_2	69808362	wsnp_CAP11_c3742_1796552	7.7	0.0	No
3B_2	71796402	wsnp_Ex_c22154_31342077	7.7	0.0	No
3B_2	12656357	wsnp_Ex_c23633_32868822	7.7	0.0	No
3B_2	53784457	wsnp_Ex_rep_c67033_65490126	7.7	0.0	No
3B_2	39649391	wsnp_JD_c222_352320	7.7	10.6	No
3B_2	36613362	GENE-1856_756	18.3	0.8	Yes
3B_2	48669407	BS00064956_51	19.1	0.0	Yes
3B_2	39725491	BS00088683_51	19.1	0.0	No
3B_2	45754492	BS00088684_51	19.1	0.0	No
3B_2	13753381	Excalibur_c9206_671	19.1	0.0	No
3B_2	49698455	IAAV4792	19.1	0.0	No
3B_2	39656434	IAAV6442	19.1	0.0	No
3B_2	38611394	Ku_c663_1896	19.1	0.0	No
3B_2	10678368	tplb0041e10_1230	19.1	0.0	No
3B_2	66652487	wsnp_Ex_c3005_5548573	19.1		No
4A	18783508	BobWhite_c23619_138	0.0	0.0	Yes
4A	39618399	Excalibur_c39621_358	0.0	0.0	No
4A	50624434	Kukri_c2005_1312	0.0	0.0	No
4A	55687434	Kukri_c27901_685	0.0	0.0	No
4A	61702346	Kukri_c8815_531	0.0	0.0	No

4A	42712504	Kukri_c8815_619	0.0	0.0	No
4A	62667392	Kukri_rep_c79597_513	0.0	0.0	No
4A	12789398	TA001195-0515	0.0	3.8	No
4A	42635500	BobWhite_c31621_148	3.8	0.0	Yes
4A	27730364	Excalibur_c10390_104	3.8	0.0	No
4A	16637480	GENE-2570_298	3.8	0.0	No
4A	17773339	GENE-2875_113	3.8	0.0	No
4A	56619347	Ra_c108749_837	3.8	0.0	No
4A	23624395	RAC875_c7325_407	3.8	0.0	No
4A	15764428	Tdurum_contig13606_928	3.8	0.0	No
4A	45775410	wsnp_Ex_c10390_17007929	3.8	0.0	No
4A	37606329	wsnp_Ex_c4220_7623030	3.8	0.0	No
4A	61649321	wsnp_Ex_rep_c66426_64644630	3.8	0.0	No
4A	61649429	wsnp_Ex_rep_c66426_64645835	3.8	0.0	No
4A	31764451	wsnp_Ku_c2114_4088504	3.8	0.0	No
4A	57743342	wsnp_Ku_c49919_55679171	3.8	0.0	No
4A	18802418	wsnp_Ku_rep_c102728_89637829	3.8	15.5	No
4A	11655504	BobWhite_c4083_743	19.3	0.0	Yes
4A	47735312	BS00021752_51	19.3	0.0	No
4A	32732371	BS00036493_51	19.3	0.0	No
4A	29623352	Ex_c883_2618	19.3	0.0	No
4A	40609445	IAAV855	19.3	0.0	No
4A	28685340	Ku_c22706_1527	19.3	0.0	No
4A	61631458	Kukri_c53787_620	19.3	0.0	No
4A	40804370	Kukri_rep_c111543_206	19.3	0.0	No
4A	30810434	RAC875_c1377_428	19.3	0.0	No
4A	30712424	Tdurum_contig8061_56	19.3	0.0	No
4A	62607490	tplb0030n07_390	19.3	0.0	No
4A	69807405	wsnp_Ex_c4752_8482625	19.3	2.8	No
4A	42658481	BS00089283_51	22.1	0.0	Yes
4A	56622390	Excalibur_c40618_182	22.1	0.0	No
4A	13751461	Tdurum_contig11919_360	22.1	0.0	No
4A	63772306	Tdurum_contig33628_129	22.1	0.0	No
4A	15739480	wsnp_CAP8_c1013_646748	22.1	6.8	No
4A	54678302	D_contig08728_654	28.9	9.5	Yes
4A	23603411	IACX2890	38.4	0.0	Yes
4A	47793452	RAC875_c21369_425	38.4	0.0	No
4A	52631327	wsnp_Ex_c13031_20625900	38.4	0.0	No
4A	57663506	wsnp_Ku_c4342_7887834	38.4	2.1	No
4A	wPt-7355	wPt-7355	40.5	3.7	Yes
4A	wPt-4660	wPt-4660	44.2	0.5	Yes
4A	62725494	BobWhite_c12128_187	44.7	0.0	Yes
4A	58611346	BobWhite_c35402_66	44.7	0.0	No
4A	37615506	Ex_c675_2554	44.7	0.0	No

4A	64793344	Excalibur_c24511_1196	44.7	0.0	No
4A	35605505	Excalibur_c46394_497	44.7	0.0	No
4A	21611357	Excalibur_c46394_762	44.7	0.0	No
4A	66716344	Excalibur_rep_c102323_379	44.7	0.0	No
4A	21792311	Excalibur_rep_c107908_308	44.7	0.0	No
4A	63751452	IAAV7104	44.7	0.0	No
4A	32743435	Ku_c46953_153	44.7	0.0	No
4A	24614312	Ra_c22675_581	44.7	0.0	No
4A	17651381	Ra_c23848_305	44.7	0.0	No
4A	49764498	RAC875_c17918_321	44.7	0.0	No
4A	26806347	RAC875_c19919_724	44.7	0.0	No
4A	17775300	RFL_Contig3679_315	44.7	0.0	No
4A	13719353	Tdurum_contig42257_4485	44.7	0.0	No
4A	14740499	Tdurum_contig42526_1331	44.7	0.0	No
4A	13631417	Tdurum_contig42526_994	44.7	0.0	No
4A	35628314	Tdurum_contig47148_651	44.7	0.0	No
4A	46654375	Tdurum_contig6030_377	44.7	0.0	No
4A	52656487	Tdurum_contig97887_268	44.7	0.0	No
4A	37785467	tplb0031m13_2255	44.7	0.0	No
4A	55740463	wsnp_Ku_c2317_4448102	44.7	0.0	No
4A	68654366	wsnp_Ku_c4924_8816643	44.7	1.5	No
4A	14793436	BobWhite_c15406_510	46.2	0.0	Yes
4A	24809459	Excalibur_c30378_673	46.2	0.0	No
4A	31762425	wsnp_Ex_c612_1213451	46.2	0.0	No
4A	20622446	wsnp_JD_c38619_27992279	46.2	0.1	No
4A	38692401	Excalibur_c16188_531	46.3	1.3	Yes
4A	30748344	Excalibur_c21964_237	47.6	1.5	Yes
4A	28795326	BS00108849_51	49.1	4.0	Yes
4A	15670400	BobWhite_c18287_502	53.1	0.0	Yes
4A	65660463	Ex_c57499_418	53.1	0.0	No
4A	33747404	Excalibur_rep_c114451_411	53.1	0.0	No
4A	45759362	Kukri_c6224_492	53.1	1.4	No
4A	28649342	Tdurum_contig22511_355	54.5	1.2	Yes
4A	38787407	Excalibur_c76268_300	55.7	0.0	Yes
4A	45672307	Tdurum_contig47858_1217	55.7	0.0	No
4A	70788346	Tdurum_contig47858_908	55.7	7.3	No
4A	28699459	BobWhite_c22176_230	63.0	0.0	Yes
4A	14715408	BobWhite_c22176_295	63.0	1.1	No
4A	32709356	Excalibur_c4325_1440	64.1	0.0	Yes
4A	25655379	Kukri_c96159_197	64.1	5.9	No
4A	36611322	RAC875_c24341_146	70.1	20.3	Yes
4A	13727499	Kukri_rep_c96828_86	90.3	0.9	Yes
4A	27622339	D_GBB4FNX02F8WWU_105	91.3	0.9	Yes
4A	74656326	Excalibur_c23264_122	92.2	0.0	Yes

4A	38793372	Excalibur_c25471_225	92.2	0.0	No
4A	17614440	Excalibur_rep_c68955_422	92.2	0.0	No
4A	64690429	IAAV1383	92.2	0.0	No
4A	55789432	IAAV9183	92.2	0.0	No
4A	30604310	JD_c4812_228	92.2	0.0	No
4A	64692365	Ku_c20453_883	92.2	0.0	No
4A	71603321	Ku_c7810_274	92.2	0.0	No
4A	25765476	Kukri_c17417_134	92.2	0.0	No
4A	57810345	Kukri_c17417_407	92.2	0.0	No
4A	32640474	Kukri_c50675_126	92.2	0.0	No
4A	15608468	RAC875_c85046_124	92.2	0.0	No
4A	23710313	RAC875_rep_c103774_289	92.2	0.0	No
4A	41801410	Tdurum_contig10064_204	92.2	0.0	No
4A	49791458	Tdurum_contig16541_78	92.2	1.4	No
4A	69686409	D_GBF1XID01EMISV_148	93.6	0.0	Yes
4A	40674367	RAC875_c7734_411	93.6	1.6	No
4A	wPt-3766	wPt-3766	95.2	0.2	Yes
4A	wPt-6214	wPt-6214	95.4	0.0	Yes
4A	wPt-0105	wPt-0105	95.4	0.0	No
4A	wPt-9833	wPt-9833	95.4	0.0	No
4A	wPt-5749	wPt-5749	95.4	0.5	Yes
4A	14669333	Tdurum_contig12838_193	95.9	0.0	Yes
4A	61742377	Tdurum_contig17050_547	95.9	0.0	No
4A	22618316	Tdurum_contig9260_996	95.9	1.4	No
4A	18709407	IAAV3960	97.4	1.4	Yes
4A	30750383	BS00022929_51	98.8	0.0	Yes
4A	46709317	BS00032622_51	98.8	0.0	No
4A	54742395	BS00080927_51	98.8	0.0	No
4A	36732393	Excalibur_c15222_313	98.8	0.0	No
4A	53765340	Excalibur_c7897_600	98.8	0.0	No
4A	62702501	Kukri_c40856_320	98.8	0.0	No
4A	43677370	Kukri_c45531_307	98.8	0.0	No
4A	53699415	RAC875_c33109_72	98.8	0.0	No
4A	41765407	Tdurum_contig12313_290	98.8	0.0	No
4A	44687323	Tdurum_contig31344_97	98.8	0.0	No
4A	38705320	Tdurum_contig54122_1095	98.8	0.0	No
4A	11775407	Tdurum_contig54122_594	98.8	0.0	No
4A	18740424	Tdurum_contig7992_173	98.8	0.0	No
4A	45624307	Tdurum_contig7992_254	98.8	0.0	No
4A	70796495	Tdurum_contig7992_605	98.8	0.0	No
4A	25726379	wsnp_Ra_c22775_32274079	98.8	0.1	No
4A	34713506	BS00078953_51	98.9	0.9	Yes
4A	wPt-4596	wPt-4596	99.8	4.0	Yes
4A	wPt-5857	wPt-5857	103.8		Yes

4B_1	35626365	Tdurum_contig26052_199	0.0	0.0	Yes
4B_1	70803429	BS00029013_51	0.0	0.0	Yes
4B_1	31635303	BS00030843_51	0.0	0.0	No
4B_1	49675374	BS00067786_51	0.0	0.0	No
4B_1	60792484	Excalibur_c8845_1531	0.0	0.0	No
4B_1	15623413	Excalibur_rep_c69304_402	0.0	0.0	No
4B_1	70733474	GENE-2913_148	0.0	0.0	No
4B_1	18754472	IACX69	0.0	0.0	No
4B_1	20760404	Kukri_c47660_356	0.0	0.0	No
4B_1	36719329	Kukri_rep_c110025_90	0.0	0.0	No
4B_1	18760462	RAC875_c104483_216	0.0	0.0	No
4B_1	72720452	RAC875_c18732_193	0.0	0.0	No
4B_1	11786360	RAC875_c39524_181	0.0	0.0	No
4B_1	19623497	RAC875_rep_c105832_99	0.0	0.0	No
4B_1	65784509	RAC875_rep_c91551_80	0.0	0.0	No
4B_1	10700353	Tdurum_contig25698_123	0.0	0.0	No
4B_1	35664444	Tdurum_contig29989_74	0.0	0.0	No
4B_1	10686340	Tdurum_contig4842_650	0.0	0.0	No
4B_1	57744323	Tdurum_contig52356_517	0.0	0.0	No
4B_1	32608471	Tdurum_contig52805_183	0.0	0.0	No
4B_1	19685378	Tdurum_contig52805_250	0.0	0.0	No
4B_1	66723333	Tdurum_contig5562_441	0.0	0.0	No
4B_1	10782406	Tdurum_contig5562_730	0.0	0.0	No
4B_1	52669402	Tdurum_contig56402_57	0.0	0.0	No
4B_1	35644483	Tdurum_contig75734_623	0.0	0.0	No
4B_1	65627300	Tdurum_contig85933_153	0.0	0.0	No
4B_1	11727461	Tdurum_contig94032_1528	0.0	0.0	No
4B_1	60735393	Tdurum_contig94032_1688	0.0	0.0	No
4B_1	19639510	Tdurum_contig98478_400	0.0	0.0	No
4B_1	26797422	Tdurum_contig98478_494	0.0	1.5	No
4B_1	71653500	BobWhite_c38340_243	1.5	0.0	Yes
4B_1	17735453	BS00063804_51	1.5	0.0	No
4B_1	35765492	BS00064884_51	1.5	0.0	No
4B_1	52632337	BS00064935_51	1.5	0.0	No
4B_1	28792338	BS00065555_51	1.5	0.0	No
4B_1	35756357	CAP8_c9887_106	1.5	0.0	No
4B_1	69759404	Excalibur_c26226_458	1.5	0.0	No
4B_1	48716377	IAAV8654	1.5	0.0	No
4B_1	19630494	Ra_c59822_1439	1.5	0.0	No
4B_1	17734386	RAC875_c90425_234	1.5	0.0	No
4B_1	50739492	TA003665-0980	1.5	0.0	No
4B_1	33723509	TA004394-0527	1.5	0.0	No
4B_1	62632434	wsnp_BE405519B-Ta_1_1	1.5	0.0	No
4B_1	60751398	wsnp_Ra_c15715_24192817	1.5	1.2	No

4B_1	48777443	Tdurum_contig98255_148	2.8	1.4	Yes
4B_1	50744413	Tdurum_contig54854_547	4.2	8.9	Yes
4B_1	29717467	Tdurum_contig11593_170	13.2	4.5	Yes
4B_1	64654325	BS00022194_51	17.7	0.0	Yes
4B_1	59773471	Tdurum_contig51818_145	17.7	0.8	No
4B_1	20681436	wsnp_JD_c10515_11167103	18.4	0.0	Yes
4B_1	73617362	BobWhite_c17457_89	18.4	0.0	Yes
4B_1	71700332	BobWhite_c665_296	18.4	0.0	No
4B_1	14679447	BS00010659_51	18.4	0.0	No
4B_1	58798451	BS00010940_51	18.4	0.0	No
4B_1	28748346	BS00032203_51	18.4	0.0	No
4B_1	71730410	BS00077411_51	18.4	0.0	No
4B_1	65635376	BS00087144_51	18.4	0.0	No
4B_1	57723422	BS00107247_51	18.4	0.0	No
4B_1	28696304	Excalibur_c57212_1167	18.4	0.0	No
4B_1	46664462	Excalibur_c5769_798	18.4	0.0	No
4B_1	70802317	GENE-2361_194	18.4	0.0	No
4B_1	24792306	IAAV3421	18.4	0.0	No
4B_1	34747390	IAAV3896	18.4	0.0	No
4B_1	47803402	IAAV4665	18.4	0.0	No
4B_1	46745417	IACX1099	18.4	0.0	No
4B_1	19725376	IACX5891	18.4	0.0	No
4B_1	31756391	IACX9352	18.4	0.0	No
4B_1	63631319	Ku_c3385_441	18.4	0.0	No
4B_1	62611374	Kukri_c34453_332	18.4	0.0	No
4B_1	36766348	Kukri_rep_c115927_102	18.4	0.0	No
4B_1	71665506	RAC875_c5087_310	18.4	0.0	No
4B_1	22633405	RAC875_rep_c106177_206	18.4	0.0	No
4B_1	13668498	Tdurum_contig12453_246	18.4	0.0	No
4B_1	47745443	Tdurum_contig27809_177	18.4	0.0	No
4B_1	64775463	Tdurum_contig45550_570	18.4	0.0	No
4B_1	40755497	Tdurum_contig45550_918	18.4	0.0	No
4B_1	73790340	Tdurum_contig47552_957	18.4	0.0	No
4B_1	17725384	Tdurum_contig55374_309	18.4	0.0	No
4B_1	36784500	Tdurum_contig8068_517	18.4	0.0	No
4B_1	69730339	tplb0034b12_591	18.4	0.0	No
4B_1	51770472	wsnp_CAP12_rep_c4278_1949864	18.4	0.0	No
4B_1	32665469	wsnp_Ex_c22648_31848819	18.4	0.0	No
4B_1	26642338	wsnp_Ex_c40815_47789152	18.4	0.0	No
4B_1	51602383	wsnp_Ex_c5769_10136243	18.4	0.0	No
4B_1	39680381	wsnp_Ex_c5769_10136788	18.4	0.0	No
4B_1	58716338	wsnp_JD_c2488_3379427	18.4	0.0	No
4B_1	24672509	wsnp_Ku_rep_c104382_90867406	18.4	11.5	No
4B_1	72691497	BobWhite_rep_c66020_333	29.9	0.0	Yes

4B_1	10651419	Excalibur_c27139_396	29.9	0.0	No
4B_1	40777354	RFL_Contig5869_863	29.9	0.0	No
4B_1	26796309	TA011763-0791	29.9	0.0	No
4B_1	42634308	Tdurum_contig42208_263	29.9	0.0	No
4B_1	42600457	Tdurum_contig44860_1171	29.9	0.0	No
4B_1	26614487	Tdurum_contig45927_1211	29.9	0.0	No
4B_1	65624355	Tdurum_contig45927_663	29.9	0.0	No
4B_1	42650439	Tdurum_contig45927_677	29.9	0.0	No
4B_1	74685411	Tdurum_contig5470_570	29.9	0.0	No
4B_1	54662334	Tdurum_contig82603_67	29.9	0.0	No
4B_1	48801437	Tdurum_contig920_126	29.9	0.0	No
4B_1	10633384	Tdurum_contig97499_167	29.9	0.0	No
4B_1	67802439	tplb0036a20_1295	29.9	0.0	No
4B_1	27799409	Tdurum_contig45927_968	29.9	0.0	Yes
4B_1	31736416	Tdurum_contig95381_152	29.9	1.5	Yes
4B_1	14704301	GENE-2566_317	31.4	0.0	Yes
4B_1	19700466	wsnp_BE499546B_Ta_2_1	31.4	1.5	No
4B_1	62672333	Excalibur_c49297_159	32.9	2.8	Yes
4B_1	26626456	Tdurum_contig8322_2041	35.8	7.8	Yes
4B_1	44643306	BobWhite_c12593_361	43.5	0.0	Yes
4B_1	40645303	Tdurum_contig56458_594	43.5		No
4B_2	52724327	BS00011148_51	0.0	0.0	Yes
4B_2	50645494	CAP11_c864_214	0.0	0.0	No
4B_2	38697331	CAP11_rep_c4893_84	0.0	0.0	No
4B_2	31646334	Kukri_c8386_767	0.0	0.0	No
4B_2	38718318	RAC875_rep_c106667_302	0.0	0.0	No
4B_2	67724335	wsnp_BF483640B_Ta_2_2	0.0	1.5	No
4B_2	16712419	BobWhite_c46938_314	1.5	0.0	Yes
4B_2	66702354	BS00063809_51	1.5	0.0	No
4B_2	42806482	Excalibur_c55463_232	1.5	0.0	No
4B_2	73809340	Kukri_rep_c104277_1326	1.5	0.0	No
4B_2	13787463	RAC875_c22142_333	1.5	0.0	No
4B_2	12691466	Tdurum_contig42083_1308	1.5	0.0	No
4B_2	63795435	Tdurum_contig42083_1539	1.5	0.0	No
4B_2	67778389	Tdurum_contig42083_691	1.5	0.0	No
4B_2	27787341	Tdurum_contig42083_757	1.5	0.0	No
4B_2	16632435	Tdurum_contig42083_890	1.5	0.0	No
4B_2	62678322	Tdurum_contig9072_88	1.5	0.0	No
4B_2	58789345	tplb0025f09_1052	1.5	0.0	No
4B_2	41795317	tplb0025f09_1853	1.5	0.0	No
4B_2	37738328	tplb0050b23_546	1.5	1.5	No
4B_2	12691373	BS00039935_51	2.9	0.0	Yes
4B_2	26773364	BS00039936_51	2.9	0.0	No
4B_2	18689465	BS00063011_51	2.9		No

5A	54601407	BS00079189_51	0.0	0.0	Yes
5A	58762339	wsnp_Ex_c9842_16228523	0.0	21.3	No
5A	73629406	BobWhite_c4004_61	21.3	0.0	Yes
5A	59756317	Excalibur_c19267_919	21.3	0.0	No
5A	35710467	Tdurum_contig11173_79	21.3	0.0	No
5A	53765359	Tdurum_contig45977_1319	21.3	3.0	No
5A	59624342	BS00041219_51	24.3	0.0	Yes
5A	45649340	BS00041220_51	24.3	0.0	No
5A	14803507	BS00045473_51	24.3	0.0	No
5A	62680354	BS00077990_51	24.3	0.0	No
5A	23604372	Ra_c24707_827	24.3	0.0	No
5A	65609349	wsnp_Ra_c24707_34262900	24.3	1.5	No
5A	47759479	RAC875_c55661_677	25.8	0.0	Yes
5A	24612436	Tdurum_contig76578_537	25.8	0.0	No
5A	35643468	wsnp_Ku_c1102_2211433	25.8	1.5	No
5A	63732345	BobWhite_c5839_341	27.3	0.0	Yes
5A	40660507	BobWhite_rep_c49153_721	27.3	0.0	No
5A	25718321	BobWhite_rep_c63777_325	27.3	0.0	No
5A	47609438	CAP7_c6531_308	27.3	0.0	No
5A	15606364	Excalibur_c4912_106	27.3	0.0	No
5A	70635332	Excalibur_c64265_224	27.3	0.0	No
5A	27704301	Tdurum_contig10398_2166	27.3	0.0	No
5A	70655385	Tdurum_contig12465_596	27.3	0.0	No
5A	42618339	Tdurum_contig42128_10375	27.3	0.0	No
5A	27680391	Tdurum_contig52610_144	27.3	0.0	No
5A	46744473	Tdurum_contig65805_1015	27.3	0.0	No
5A	32655399	Tdurum_contig75624_375	27.3	0.0	No
5A	57643372	Tdurum_contig77937_226	27.3	0.0	No
5A	60701339	wsnp_RFL_Contig4307_5006558	27.3	1.9	No
5A	64676427	BobWhite_c17170_99	29.1	0.0	Yes
5A	74690424	BS00032406_51	29.1	0.0	No
5A	56652400	BS00051181_51	29.1	0.0	No
5A	60610438	BS00062427_51	29.1	0.0	No
5A	10656403	CAP11_c3113_79	29.1	0.0	No
5A	20649349	CAP12_c667_143	29.1	0.0	No
5A	45636318	Ku_c21587_754	29.1	0.0	No
5A	21804410	Ra_c144_1023	29.1	0.0	No
5A	50670329	Ra_c33743_472	29.1	0.0	No
5A	66750368	RAC875_c55468_242	29.1	0.0	No
5A	56724443	RAC875_c8895_1029	29.1	0.0	No
5A	30787323	RAC875_c96615_107	29.1	0.0	No
5A	47764347	Tdurum_contig15250_312	29.1	0.0	No
5A	44714374	Tdurum_contig45240_1309	29.1	0.0	No
5A	25700406	Tdurum_contig61258_264	29.1	4.6	No

5A	wPt-5588	wPt-5588	33.7	3.2	Yes
5A	60634412	RFL_Contig727_736	36.9	0.1	Yes
5A	11780448	Ex_c6161_335	37.0	0.1	Yes
5A	32601419	BS00022003_51	37.1	0.0	Yes
5A	40732334	BS00034101_51	37.1	0.0	No
5A	55624331	BS00034704_51	37.1	0.0	No
5A	45629430	BS00043474_51	37.1	0.0	No
5A	44661476	BS00067453_51	37.1	0.0	No
5A	17679489	BS00076190_51	37.1	0.0	No
5A	38756316	BS00089966_51	37.1	0.0	No
5A	26786311	BS00089967_51	37.1	0.0	No
5A	55788326	BS00089968_51	37.1	0.0	No
5A	36716345	IAAV3512	37.1	0.0	No
5A	51622368	IAAV9057	37.1	0.0	No
5A	52808317	IACX815	37.1	0.0	No
5A	65665414	Kukri_c27691_226	37.1	0.0	No
5A	51768318	Kukri_c7633_724	37.1	0.0	No
5A	20643484	RAC875_c4033_192	37.1	0.0	No
5A	26785401	RAC875_c58966_471	37.1	0.0	No
5A	37734387	RAC875_c7794_542	37.1	0.0	No
5A	48764510	RAC875_c95309_460	37.1	0.0	No
5A	60678452	Tdurum_contig12967_831	37.1	0.0	No
5A	44749424	Tdurum_contig28306_292	37.1	0.0	No
5A	48685328	Tdurum_contig43413_1432	37.1	0.0	No
5A	73679345	Tdurum_contig48766_257	37.1	0.0	No
5A	23745395	Tdurum_contig50282_211	37.1	0.0	No
5A	72794454	Tdurum_contig50282_269	37.1	0.0	No
5A	32658456	Tdurum_contig50282_516	37.1	0.0	No
5A	16720468	Tdurum_contig54737_537	37.1	0.0	No
5A	22606498	Tdurum_contig81510_198	37.1	0.0	No
5A	35644301	Tdurum_contig88305_380	37.1	0.0	No
5A	48600375	wsnp_Ex_c43578_49857984	37.1	0.6	No
5A	26693300	Excalibur_c65171_418	37.7	0.0	Yes
5A	65614480	tplb0039m09_92	37.7	0.0	No
5A	25723353	wsnp_JD_c1796_2496653	37.7	5.5	No
5A	46765398	Tdurum_contig60405_714	43.1	9.6	Yes
5A	55619327	BS00003618_51	52.7	0.0	Yes
5A	44767313	Excalibur_c47321_138	52.7	0.0	No
5A	19638393	GENE-3528_61	52.7	0.0	No
5A	36715448	IACX5879	52.7	0.0	No
5A	18716414	Kukri_rep_c77459_316	52.7	0.0	No
5A	67701360	Tdurum_contig11933_1503	52.7	0.0	No
5A	20783361	Tdurum_contig49187_601	52.7	0.0	No
5A	37701363	wsnp_Ex_c31017_39858962	52.7	0.0	No

5A	42736366	RAC875_c35993_308	52.7	17.6	Yes
5A	62649398	IACX1979	70.3	2.9	Yes
5A	57684495	Tdurum_contig48760_112	73.2	2.8	Yes
5A	53800402	BS00068178_51	76.0	0.0	Yes
5A	63629338	BS00072155_51	76.0	0.0	No
5A	72645345	BS00098207_51	76.0	0.0	No
5A	67624427	GENE-3189_377	76.0	0.0	No
5A	31615346	GENE-3318_556	76.0	0.0	No
5A	20753330	Jagger_c4318_79	76.0	0.0	No
5A	61687427	Jagger_c6106_119	76.0	0.0	No
5A	43635369	Kukri_c14889_1086	76.0	0.0	No
5A	39690453	Kukri_c14889_116	76.0	0.0	No
5A	29722311	Kukri_c75754_239	76.0	0.0	No
5A	37784425	Kukri_s112978_54	76.0	0.0	No
5A	48737452	Tdurum_contig17500_876	76.0	1.5	No
5A	39767412	Kukri_c25121_146	77.5	6.0	Yes
5A	28616478	BobWhite_rep_c63943_76	83.5	0.0	Yes
5A	22636424	Excalibur_c9210_168	83.5	0.0	No
5A	44789340	Excalibur_rep_c68708_80	83.5	0.0	No
5A	57664457	Kukri_c41594_74	83.5	0.0	No
5A	17687404	Tdurum_contig10124_967	83.5	1.6	No
5A	15773324	BobWhite_c14291_666	85.0	0.0	Yes
5A	61622461	BS00022215_51	85.0	0.0	No
5A	58809349	BS00055981_51	85.0	0.0	No
5A	20621423	D_GB5Y7FA02JGU4G_88	85.0	0.0	No
5A	65735461	Excalibur_c45853_1161	85.0	0.0	No
5A	73769503	Excalibur_c45894_344	85.0	0.0	No
5A	62628419	Excalibur_rep_c106365_485	85.0	0.0	No
5A	48620447	IAAV2542	85.0	0.0	No
5A	44765506	RAC875_c13164_695	85.0	0.0	No
5A	50683412	Tdurum_contig10601_289	85.0	0.0	No
5A	66705466	wsnp_Ku_c12211_19780409	85.0	9.2	No
5A	64738435	BobWhite_c20974_103	94.2	0.0	Yes
5A	19665304	BS00065292_51	94.2	3.2	No
5A	58657364	RFL_Contig2031_2040	97.4	4.7	Yes
5A	32727485	BS00035256_51	102.1	0.0	Yes
5A	51611391	Kukri_c54152_242	102.1	0.0	No
5A	16744480	Ra_c22700_818	102.1	0.0	No
5A	66800427	Ra_c22700_943	102.1	0.0	No
5A	14624459	wsnp_Ku_c21275_31007309	102.1	13.0	No
5A	51782323	BS00029871_51	115.1	0.0	Yes
5A	64740437	RAC875_c23775_406	115.1	0.0	No
5A	12630389	Tdurum_contig36142_150	115.1	0.0	No
5A	30677387	wsnp_Ex_c15342_23592789	115.1	4.2	No

5A	45633326	BobWhite_c21949_150	119.3	0.0	Yes
5A	68706442	BobWhite_c40643_370	119.3	0.0	No
5A	59736416	BS00006196_51	119.3	0.0	No
5A	54614423	BS00011360_51	119.3	0.0	No
5A	57644388	BS00075959_51	119.3	0.0	No
5A	34701329	BS00096940_51	119.3	0.0	No
5A	67758376	BS00097986_51	119.3	0.0	No
5A	72801386	Excalibur_c23354_306	119.3	0.0	No
5A	69625461	Excalibur_c3743_1624	119.3	0.0	No
5A	10691459	Excalibur_c7729_144	119.3	0.0	No
5A	73683480	Excalibur_rep_c111129_125	119.3	0.0	No
5A	29752431	GENE-2326_353	119.3	0.0	No
5A	54694482	IAAV3043	119.3	0.0	No
5A	74768451	IAAV3365	119.3	0.0	No
5A	46688401	IAAV8669	119.3	0.0	No
5A	33690483	IACX10100	119.3	0.0	No
5A	10810494	JD_c889_708	119.3	0.0	No
5A	56714369	Ku_c19858_2078	119.3	0.0	No
5A	19681499	Kukri_c33022_198	119.3	0.0	No
5A	17668437	Ra_c14657_678	119.3	0.0	No
5A	17755342	Ra_c14657_919	119.3	0.0	No
5A	19742361	Ra_c3838_1644	119.3	0.0	No
5A	14694372	Ra_c3838_861	119.3	0.0	No
5A	22806346	Ra_c7619_526	119.3	0.0	No
5A	37753420	RAC875_c11404_610	119.3	0.0	No
5A	63717399	RAC875_c3838_1378	119.3	0.0	No
5A	61794333	RAC875_c5850_287	119.3	0.0	No
5A	18799431	Tdurum_contig10759_260	119.3	0.0	No
5A	46792379	Tdurum_contig56267_180	119.3	0.0	No
5A	60728509	Tdurum_contig64587_107	119.3	0.0	No
5A	45655435	Tdurum_contig67291_367	119.3	0.0	No
5A	42653500	Tdurum_contig81424_675	119.3	0.0	No
5A	17733427	wsnp_AJ612027A_Ta_2_5	119.3	0.0	No
5A	14719353	wsnp_BF293620A_Ta_2_1	119.3	0.0	No
5A	40625459	wsnp_Ex_c54193_57155537	119.3	0.0	No
5A	48751393	wsnp_Ex_c54193_57155632	119.3	1.4	No
5A	41603352	BS00041063_51	120.7	0.0	Yes
5A	37715351	RFL_Contig316_572	120.7	0.0	No
5A	60745328	Tdurum_contig10843_745	120.7	0.0	No
5A	18698375	Tdurum_contig47120_587	120.7	0.0	No
5A	67646501	Tdurum_contig50175_875	120.7	0.0	No
5A	73613376	Tdurum_contig69612_781	120.7	0.0	No
5A	64768438	wsnp_Ex_c621_1231298	120.7	0.0	No
5A	70710376	wsnp_Ex_c621_1231444	120.7	0.0	No

5A	70782385	wsnp_Ex_c8424_14192191	120.7	1.5	No
5A	73671327	BS00073849_51	122.2	0.0	Yes
5A	34741365	Excalibur_c49550_97	122.2	0.0	No
5A	43730507	Ku_c12469_983	122.2	0.0	No
5A	44731342	Tdurum_contig10086_387	122.2	0.0	No
5A	20668451	Tdurum_contig10587_601	122.2	0.0	No
5A	16732355	Tdurum_contig29286_319	122.2	0.0	No
5A	29675416	Tdurum_contig54543_1242	122.2	0.0	No
5A	66614404	Tdurum_contig54543_173	122.2	0.0	No
5A	38602372	Tdurum_contig54543_888	122.2	0.0	No
5A	29702375	Tdurum_contig81907_126	122.2	1.3	No
5A	58667483	Tdurum_contig85105_286	123.6	0.0	Yes
5A	18631345	wsnp_BF484028B_Td_2_1	123.6	1.5	No
5A	69610376	Kukri_c49530_762	125.1	1.5	Yes
5A	23632484	RAC875_c19302_82	126.5	1.4	Yes
5A	59714421	RAC875_c65358_186	127.9	0.0	Yes
5A	45748450	Tdurum_contig54725_586	127.9	3.0	No
5A	29755395	BS00026916_51	130.9	0.0	Yes
5A	72773340	GENE-2344_73	130.9	0.0	No
5A	18651498	Ku_c6824_1023	130.9	0.0	No
5A	16690344	Kukri_rep_c92945_759	130.9	0.0	No
5A	17733322	RAC875_rep_c112818_307	130.9	0.0	No
5A	35652393	Tdurum_contig47101_301	130.9	0.0	No
5A	26781479	Tdurum_contig53340_355	130.9	0.0	No
5A	40618351	Tdurum_contig53340_953	130.9	0.0	No
5A	70666406	wsnp_Ex_c40019_47166980	130.9	1.5	No
5A	26786398	BS00069739_51	132.4	0.0	Yes
5A	40683367	BobWhite_c14689_172	132.4	0.0	Yes
5A	43742437	BobWhite_c16397_524	132.4	0.0	No
5A	57729347	IAAV8042	132.4	0.0	No
5A	50741393	IACX2540	132.4	0.0	No
5A	16640343	Ku_c21235_676	132.4	0.0	No
5A	30805496	Ku_c5215_1361	132.4	0.0	No
5A	66601420	Tdurum_contig50212_471	132.4	0.0	No
5A	44703427	wsnp_BG607308A_Ta_2_1	132.4	0.0	No
5A	63672501	wsnp_BG607308A_Ta_2_2	132.4	0.0	No
5A	49749362	wsnp_Ex_c3772_6866645	132.4	1.2	No
5A	38795321	Tdurum_contig42905_282	133.5	2.7	Yes
5A	19769316	CAP7_c2618_188	136.2	0.0	Yes
5A	69744491	RAC875_c62807_251	136.2	0.8	No
5A	wPt-8155	wPt-8155	137.0	0.7	Yes
5A	wPt-2070	wPt-2070	137.7	2.0	Yes
5A	15621365	BobWhite_c42433_340	139.7	0.0	Yes
5A	54758377	BS00104432_51	139.7	0.0	No

5A	54603348	Tdurum_contig62330_431	139.7	0.0	No
5A	60728397	Tdurum_contig62330_88	139.7	0.0	No
5A	24638305	Tdurum_contig9074_2085	139.7	5.8	No
5A	26650306	CAP12_c2984_189	145.5	7.8	Yes
5A	30793422	BS00028356_51	153.4	0.0	Yes
5A	56604460	RAC875_c34007_292	153.4	0.0	No
5A	56810429	wsnp_Ex_c1481_2831499	153.4	1.5	No
5A	67709480	BS00085711_51	154.9	0.0	Yes
5A	47779312	GENE-2890_445	154.9	0.0	No
5A	54690476	IAAV3527	154.9	0.0	No
5A	74737373	RAC875_c55872_149	154.9	0.0	No
5A	24753319	TA003720-0955	154.9	0.0	No
5A	24664305	wsnp_CAP11_c923_558715	154.9	0.0	No
5A	56713413	wsnp_Ex_c16295_24772663	154.9	0.0	No
5A	66790432	wsnp_Ex_c23968_33209660	154.9	0.0	No
5A	41650485	wsnp_Ex_c23968_33209733	154.9	0.0	No
5A	66773324	wsnp_Ex_c23968_33210208	154.9	0.0	No
5A	53794466	wsnp_Ex_c54655_57455110	154.9	0.0	No
5A	55659337	wsnp_Ku_c3953_7233359	154.9	0.1	No
5A	17682402	wsnp_Ex_c23968_33210344	155.0	1.5	Yes
5A	73701316	Tdurum_contig11774_1894	156.4		Yes
5B_1	rPt-7889	rPt-7889	0.0	1.5	Yes
5B_1	tPt-1253	tPt-1253	1.5	0.1	Yes
5B_1	wPt-8931	wPt-8931	1.7	1.4	Yes
5B_1	48610314	Tdurum_contig51422_127	3.1	0.1	Yes
5B_1	44664423	BobWhite_c22036_399	3.1	0.0	Yes
5B_1	27617475	BobWhite_c22572_782	3.1	0.0	No
5B_1	39626376	BobWhite_c4905_267	3.1	0.0	No
5B_1	54722466	BobWhite_c6017_1096	3.1	0.0	No
5B_1	46800414	BobWhite_c6017_1147	3.1	0.0	No
5B_1	51772393	BS00021960_51	3.1	0.0	No
5B_1	47758372	BS00037103_51	3.1	0.0	No
5B_1	67610444	BS00037104_51	3.1	0.0	No
5B_1	65796447	BS00065029_51	3.1	0.0	No
5B_1	31754383	CAP7_c1274_206	3.1	0.0	No
5B_1	18693361	D_GDS7LZN02FRZ4J_84	3.1	0.0	No
5B_1	40748380	Ex_c71558_391	3.1	0.0	No
5B_1	13730491	Excalibur_c12395_467	3.1	0.0	No
5B_1	13642310	Excalibur_c3350_265	3.1	0.0	No
5B_1	22723318	Kukri_c10508_253	3.1	0.0	No
5B_1	63688415	Kukri_c10508_438	3.1	0.0	No
5B_1	55679382	Kukri_c10508_755	3.1	0.0	No
5B_1	46696491	Kukri_c23743_112	3.1	0.0	No
5B_1	12774435	Kukri_c25613_1347	3.1	0.0	No

5B_1	58795434	Kukri_c45951_367	3.1	0.0	No
5B_1	70727310	RAC875_c10819_636	3.1	0.0	No
5B_1	15659326	RAC875_c45114_564	3.1	0.0	No
5B_1	37806359	RAC875_rep_c109634_90	3.1	0.0	No
5B_1	55694502	RAC875_rep_c91630_132	3.1	0.0	No
5B_1	44703428	Tdurum_contig11399_221	3.1	0.0	No
5B_1	50788475	Tdurum_contig24416_284	3.1	0.0	No
5B_1	37678303	Tdurum_contig25692_435	3.1	0.0	No
5B_1	45763382	Tdurum_contig48335_209	3.1	0.0	No
5B_1	53745330	Tdurum_contig57696_133	3.1	0.0	No
5B_1	48744371	Tdurum_contig81548_426	3.1	0.0	No
5B_1	39765313	Tdurum_contig82473_67	3.1	0.0	No
5B_1	28776416	Tdurum_contig85060_121	3.1	0.0	No
5B_1	53792410	Tdurum_contig85060_281	3.1	0.0	No
5B_1	60668454	Tdurum_contig94033_487	3.1	0.0	No
5B_1	25610309	Tdurum_contig94033_717	3.1	0.0	No
5B_1	66616318	tplb0058f13_242	3.1	0.0	No
5B_1	12643387	wsnp_Ex_c11070_17950604	3.1	0.0	No
5B_1	20694305	wsnp_Ex_c32872_41456586	3.1	0.0	No
5B_1	61659480	wsnp_Ex_c53426_56666463	3.1	0.0	No
5B_1	27745317	wsnp_Ex_c53426_56666788	3.1	0.0	No
5B_1	13706457	wsnp_Ex_c53426_56667282	3.1	0.0	No
5B_1	64729450	wsnp_JD_c6562_7716133	3.1	0.0	No
5B_1	59772379	wsnp_Ku_rep_c102339_89347150	3.1	1.4	No
5B_1	21709402	Kukri_c20813_85	4.5	0.0	Yes
5B_1	36759348	Tdurum_contig68741_839	4.5	0.0	No
5B_1	58669350	Tdurum_contig85339_162	4.5	0.0	No
5B_1	31672460	wsnp_BG607308B_Ta_2_1	4.5	1.0	No
5B_1	rPt-3114	rPt-3114	5.5	0.4	Yes
5B_1	49623369	BS00035963_51	5.9	0.0	Yes
5B_1	42665471	Excalibur_c6279_381	5.9	0.0	No
5B_1	53648405	Excalibur_rep_c104627_106	5.9	0.0	No
5B_1	73684351	Excalibur_rep_c112275_315	5.9	0.0	No
5B_1	66738433	GENE-0620_95	5.9	0.0	No
5B_1	68644302	Kukri_c718_285	5.9	0.0	No
5B_1	39767309	RAC875_rep_c109097_771	5.9	0.0	No
5B_1	73679329	RFL_Contig3835_2474	5.9	0.0	No
5B_1	10638468	RFL_Contig3835_2578	5.9	0.0	No
5B_1	62612369	RFL_Contig3835_475	5.9	0.0	No
5B_1	37668463	Tdurum_contig14404_319	5.9	0.0	No
5B_1	66769435	Tdurum_contig28272_126	5.9	0.0	No
5B_1	51780451	Tdurum_contig28377_271	5.9	0.0	No
5B_1	31809394	Tdurum_contig83644_276	5.9	0.0	No
5B_1	17802339	Tdurum_contig83644_363	5.9	0.8	No

5B_1	62655413	BobWhite_c13340_412	6.7	0.0	Yes
5B_1	27679309	BobWhite_rep_c60245_107	6.7	0.0	No
5B_1	45711434	BS00023064_51	6.7	0.0	No
5B_1	29609334	BS00023067_51	6.7	0.0	No
5B_1	36663418	BS00037487_51	6.7	0.0	No
5B_1	14735484	BS00048205_51	6.7	0.0	No
5B_1	20803415	BS00066039_51	6.7	0.0	No
5B_1	42772501	Excalibur_c15141_684	6.7	0.0	No
5B_1	54661453	GENE-2944_81	6.7	0.0	No
5B_1	49626366	IACX6070	6.7	0.0	No
5B_1	23629413	Kukri_c3973_101	6.7	0.0	No
5B_1	39644381	Kukri_c44654_98	6.7	0.0	No
5B_1	17777404	Ra_c9527_234	6.7	0.0	No
5B_1	40732355	RFL_Contig1265_515	6.7	0.0	No
5B_1	59771378	RFL_Contig3885_1183	6.7	0.0	No
5B_1	41676489	Tdurum_contig14326_495	6.7	0.0	No
5B_1	11678457	Tdurum_contig14326_597	6.7	0.0	No
5B_1	15640301	Tdurum_contig19615_188	6.7	0.0	No
5B_1	22669374	Tdurum_contig29967_456	6.7	0.0	No
5B_1	73641306	Tdurum_contig31657_465	6.7	0.0	No
5B_1	18794443	Tdurum_contig47491_258	6.7	0.0	No
5B_1	60805384	Tdurum_contig62260_270	6.7	0.0	No
5B_1	53616326	Tdurum_contig70554_1004	6.7	0.0	No
5B_1	44756351	Tdurum_contig70554_1006	6.7	0.0	No
5B_1	11785412	Tdurum_contig82077_129	6.7	0.0	No
5B_1	20639331	Tdurum_contig82077_336	6.7	0.0	No
5B_1	32670423	Tdurum_contig85945_281	6.7	0.0	No
5B_1	60640464	Tdurum_contig92419_429	6.7	0.0	No
5B_1	62704370	wsnp_Ex_c12152_19429932	6.7	0.0	No
5B_1	27793369	wsnp_Ex_c12152_19431363	6.7	0.0	No
5B_1	37680301	wsnp_Ex_c3019_5578488	6.7	0.0	No
5B_1	33603314	wsnp_Ex_c6571_11387527	6.7	4.7	No
5B_1	10737414	Excalibur_c100531_251	11.5	0.0	Yes
5B_1	29616492	Excalibur_rep_c106165_238	11.5	0.0	No
5B_1	16711441	Tdurum_contig10669_1535	11.5	0.0	No
5B_1	50702389	Tdurum_contig10669_1557	11.5	0.0	No
5B_1	59641397	Tdurum_contig10669_1621	11.5	0.0	No
5B_1	69639461	Tdurum_contig14490_593	11.5	0.0	No
5B_1	10799336	Tdurum_contig28353_1110	11.5	0.0	No
5B_1	45636362	Tdurum_contig28353_1628	11.5	0.0	No
5B_1	36745385	Tdurum_contig28353_1720	11.5	0.0	No
5B_1	18715499	Tdurum_contig98569_290	11.5	0.0	No
5B_1	46800510	Tdurum_contig98569_56	11.5	7.3	No
5B_1	wPt-6014	wPt-6014	18.8	1.1	Yes

5B_1	19758486	BS00062762_51	19.9	0.0	Yes
5B_1	16677467	IACX5702	19.9	3.8	No
5B_1	wPt-3763	wPt-3763	23.7	1.2	Yes
5B_1	wPt-8054	wPt-8054	24.9	0.0	Yes
5B_1	wPt-5928	wPt-5928	24.9	1.8	No
5B_1	wPt-6989	wPt-6989	26.7	0.0	Yes
5B_1	wPt-4367	wPt-4367	26.7	0.3	No
5B_1	37796358	BS00010311_51	27.0	0.0	Yes
5B_1	18714433	BS00011453_51	27.0	0.0	No
5B_1	33648371	BS00036434_51	27.0	0.0	No
5B_1	44694392	BS00067331_51	27.0	0.0	No
5B_1	22775459	BS00093522_51	27.0	0.0	No
5B_1	22648445	Excalibur_c38433_291	27.0	0.0	No
5B_1	11661412	Excalibur_rep_c69730_391	27.0	0.0	No
5B_1	52755489	IAAV1148	27.0	0.0	No
5B_1	58685434	IAAV475	27.0	0.0	No
5B_1	21637460	IAAV5992	27.0	0.0	No
5B_1	40668413	IACX10195	27.0	0.0	No
5B_1	54769369	Ku_c55173_549	27.0	0.0	No
5B_1	15738345	Kukri_c12910_214	27.0	0.0	No
5B_1	66749385	Kukri_c27720_274	27.0	0.0	No
5B_1	19735394	Kukri_c31599_1456	27.0	0.0	No
5B_1	22646374	Kukri_c8495_616	27.0	0.0	No
5B_1	18650453	RAC875_c28667_516	27.0	0.0	No
5B_1	31729417	RAC875_c3046_1764	27.0	0.0	No
5B_1	25615358	RAC875_c40254_116	27.0	0.0	No
5B_1	34667451	Tdurum_contig11228_274	27.0	0.0	No
5B_1	16674320	Tdurum_contig12995_722	27.0	0.0	No
5B_1	53801487	Tdurum_contig12995_792	27.0	0.0	No
5B_1	36602321	Tdurum_contig32812_255	27.0	0.0	No
5B_1	28794420	Tdurum_contig42008_7461	27.0	0.0	No
5B_1	66632475	Tdurum_contig44181_311	27.0	0.0	No
5B_1	10803388	Tdurum_contig44181_593	27.0	0.0	No
5B_1	71600379	Tdurum_contig44181_730	27.0	0.0	No
5B_1	42663429	Tdurum_contig58669_273	27.0	0.0	No
5B_1	72694350	wsnp_Ex_c17754_26503892	27.0	0.0	No
5B_1	42653388	wsnp_Ex_c27046_36265198	27.0	0.0	No
5B_1	54675301	wsnp_Ex_c33431_41918732	27.0	0.0	No
5B_1	70779486	wsnp_JD_c1358_1947464	27.0	0.0	No
5B_1	50600341	wsnp_JD_c1358_1947467	27.0	1.6	No
5B_1	29807445	BS00061326_51	28.5	0.0	Yes
5B_1	66618420	BS00066345_51	28.5	0.0	No
5B_1	14720425	BS00073015_51	28.5	0.0	No
5B_1	11748311	RAC875_c103988_92	28.5	0.0	No

5B_1	12754339	RAC875_c985_387	28.5	0.0	No
5B_1	74790423	Tdurum_contig44635_759	28.5	0.0	No
5B_1	64633404	wsnp_Ex_c2582_4804223	28.5	1.5	No
5B_1	31801455	BS00012038_51	30.1	0.0	Yes
5B_1	63790321	BS00020982_51	30.1	0.0	No
5B_1	45615342	BS00049083_51	30.1	0.0	No
5B_1	10789344	BS00067841_51	30.1	0.0	No
5B_1	69610452	BS00068805_51	30.1	0.0	No
5B_1	71623458	BS00079316_51	30.1	0.0	No
5B_1	32777370	BS00087043_51	30.1	0.0	No
5B_1	34720368	BS00087696_51	30.1	0.0	No
5B_1	54648403	CAP12_c703_150	30.1	0.0	No
5B_1	14719413	CAP7_c12729_232	30.1	0.0	No
5B_1	35724393	Ex_c26924_745	30.1	0.0	No
5B_1	74686309	Excalibur_c33675_201	30.1	0.0	No
5B_1	51726355	Excalibur_c33675_410	30.1	0.0	No
5B_1	46677498	Excalibur_c52162_95	30.1	0.0	No
5B_1	33661311	Excalibur_c56310_57	30.1	0.0	No
5B_1	44730498	GENE-3383_162	30.1	0.0	No
5B_1	55791362	GENE-3383_710	30.1	0.0	No
5B_1	42801420	IAAV2426	30.1	0.0	No
5B_1	42652408	Jagger_c8122_111	30.1	0.0	No
5B_1	53637370	Kukri_c35352_483	30.1	0.0	No
5B_1	54718460	Kukri_c37692_347	30.1	0.0	No
5B_1	35636374	Kukri_c94990_140	30.1	0.0	No
5B_1	16673420	RAC875_c10139_92	30.1	0.0	No
5B_1	43683433	RAC875_c23289_303	30.1	0.0	No
5B_1	67684366	RAC875_c32320_88	30.1	0.0	No
5B_1	42801364	RAC875_c36779_148	30.1	0.0	No
5B_1	20639404	RAC875_c41100_175	30.1	0.0	No
5B_1	23610443	RAC875_c42281_475	30.1	0.0	No
5B_1	71720461	RAC875_c68413_74	30.1	0.0	No
5B_1	59675303	RAC875_c8757_589	30.1	0.0	No
5B_1	70648502	RAC875_c91986_410	30.1	0.0	No
5B_1	66769418	Tdurum_contig10210_428	30.1	0.0	No
5B_1	36775457	Tdurum_contig31075_260	30.1	0.0	No
5B_1	51766305	Tdurum_contig61623_129	30.1	0.0	No
5B_1	66745365	Tdurum_contig61623_570	30.1	0.0	No
5B_1	58810450	Tdurum_contig63272_105	30.1	0.0	No
5B_1	60639416	Tdurum_contig63997_587	30.1	0.0	No
5B_1	15650409	wsnp_Ex_c1838_3461594	30.1	0.0	No
5B_1	49737469	wsnp_Ku_c3294_6125586	30.1	0.0	No
5B_1	60745421	BS00099782_51	30.1	0.1	Yes
5B_1	28610379	BS00017264_51	30.2	0.6	Yes

5B_1	30613337	RAC875_c41057_202	30.9	1.0	Yes
5B_1	32797469	Tdurum_contig50581_125	31.9	0.0	Yes
5B_1	63709362	Tdurum_contig50581_379	31.9	7.5	No
5B_1	73716353	BobWhite_c48435_165	39.4	0.0	Yes
5B_1	25727419	BS00010590_51	39.4	0.0	No
5B_1	30656336	Ex_c13277_2025	39.4	0.0	No
5B_1	46652323	Excalibur_c37642_1416	39.4	0.0	No
5B_1	56732361	GENE-3198_56	39.4	0.0	No
5B_1	69657432	Kukri_c17396_2448	39.4	0.0	No
5B_1	17803405	Kukri_c54078_114	39.4	0.0	No
5B_1	14658370	Kukri_c90424_72	39.4	0.0	No
5B_1	26680348	Kukri_rep_c113115_261	39.4	0.0	No
5B_1	12792318	Kukri_rep_c113115_424	39.4	0.0	No
5B_1	67650433	Ra_c38583_333	39.4	0.0	No
5B_1	29805367	Tdurum_contig12066_126	39.4	0.0	No
5B_1	70620409	Tdurum_contig12066_247	39.4	0.0	No
5B_1	48799302	Tdurum_contig25513_123	39.4	0.0	No
5B_1	33741393	Tdurum_contig25513_195	39.4	0.0	No
5B_1	24619331	Tdurum_contig57027_347	39.4	0.0	No
5B_1	19735355	tplb0027f13_1346	39.4	0.0	No
5B_1	53713377	tplb0027f13_1493	39.4	0.0	No
5B_1	63752461	wsnp_Ex_c13277_20936069	39.4	0.0	No
5B_1	25657344	wsnp_Ku_c40334_48581010	39.4	1.4	No
5B_1	21619364	wsnp_Ku_c3102_5810751	40.8	0.0	Yes
5B_1	15610394	wsnp_Ku_c3102_5811860	40.8	1.1	No
5B_1	wPt-0498	wPt-0498	41.8		Yes
5B_2	46758315	BS00068592_51	0.0	3.2	Yes
5B_2	35728444	BS00035899_51	3.2	0.0	Yes
5B_2	49717383	BS00063423_51	3.2	0.0	No
5B_2	43674468	wsnp_Ku_c28245_38183393	3.2	0.9	No
5B_2	60606440	Excalibur_rep_c70353_160	4.2	0.0	Yes
5B_2	35795366	wsnp_Ku_c28491_38419391	4.2	0.0	Yes
5B_2	44644327	BobWhite_c36054_53	4.2	0.0	Yes
5B_2	11629416	BS00002208_51	4.2	0.0	No
5B_2	16769311	BS00023803_51	4.2	0.0	No
5B_2	65711461	BS00067072_51	4.2	0.0	No
5B_2	28677460	BS00089969_51	4.2	0.0	No
5B_2	27721412	BS00108062_51	4.2	0.0	No
5B_2	10639315	CAP12_c182_72	4.2	0.0	No
5B_2	41790360	Excalibur_c33031_1755	4.2	0.0	No
5B_2	29633430	IAAV850	4.2	0.0	No
5B_2	21703483	IACX4548	4.2	0.0	No
5B_2	30801455	IACX6007	4.2	0.0	No
5B_2	62758432	Jagger_c505_141	4.2	0.0	No

5B_2	36654403	Ku_c33217_323	4.2	0.0	No
5B_2	53698365	Ku_c6193_821	4.2	0.0	No
5B_2	73616329	Kukri_c12490_766	4.2	0.0	No
5B_2	46606364	Kukri_c13224_551	4.2	0.0	No
5B_2	15711439	Kukri_c16197_1315	4.2	0.0	No
5B_2	52805327	Kukri_c28117_583	4.2	0.0	No
5B_2	65803450	Kukri_c40388_844	4.2	0.0	No
5B_2	19761409	Kukri_c49151_139	4.2	0.0	No
5B_2	12754500	Kukri_c73901_100	4.2	0.0	No
5B_2	15719356	Kukri_c8428_403	4.2	0.0	No
5B_2	25625465	Kukri_rep_c113387_369	4.2	0.0	No
5B_2	34650318	RAC875_c103701_126	4.2	0.0	No
5B_2	10661349	RAC875_c18048_105	4.2	0.0	No
5B_2	37766301	RAC875_c29431_1849	4.2	0.0	No
5B_2	18637319	RAC875_c378_310	4.2	0.0	No
5B_2	39739441	RAC875_c51478_173	4.2	0.0	No
5B_2	43686414	RAC875_c96137_101	4.2	0.0	No
5B_2	20688366	RAC875_rep_c105322_99	4.2	0.0	No
5B_2	31798434	RAC875_rep_c112125_305	4.2	0.0	No
5B_2	66624445	RAC875_rep_c71474_66	4.2	0.0	No
5B_2	28692439	RFL_Contig3811_3709	4.2	0.0	No
5B_2	59727411	TA004005-0934	4.2	0.0	No
5B_2	41654426	TA005344-0744	4.2	0.0	No
5B_2	73761454	Tdurum_contig10191_996	4.2	0.0	No
5B_2	56713510	Tdurum_contig10358_176	4.2	0.0	No
5B_2	16617438	Tdurum_contig11649_320	4.2	0.0	No
5B_2	27644485	Tdurum_contig11757_575	4.2	0.0	No
5B_2	57688462	Tdurum_contig14784_676	4.2	0.0	No
5B_2	52685505	Tdurum_contig16751_309	4.2	0.0	No
5B_2	57631370	Tdurum_contig17230_619	4.2	0.0	No
5B_2	13650307	Tdurum_contig25393_218	4.2	0.0	No
5B_2	26718478	Tdurum_contig25393_269	4.2	0.0	No
5B_2	42793501	Tdurum_contig28408_340	4.2	0.0	No
5B_2	21742447	Tdurum_contig30065_537	4.2	0.0	No
5B_2	62767477	Tdurum_contig30729_263	4.2	0.0	No
5B_2	10602366	Tdurum_contig31131_198	4.2	0.0	No
5B_2	44665419	Tdurum_contig354_149	4.2	0.0	No
5B_2	20620445	Tdurum_contig42527_298	4.2	0.0	No
5B_2	12772406	Tdurum_contig43677_338	4.2	0.0	No
5B_2	21657463	Tdurum_contig46366_913	4.2	0.0	No
5B_2	20712393	Tdurum_contig48658_1022	4.2	0.0	No
5B_2	31601475	Tdurum_contig48658_794	4.2	0.0	No
5B_2	62610328	Tdurum_contig48658_802	4.2	0.0	No
5B_2	49753321	Tdurum_contig52439_196	4.2	0.0	No

5B_2	65718405	Tdurum_contig53235_475	4.2	0.0	No
5B_2	17685505	Tdurum_contig56973_413	4.2	0.0	No
5B_2	11768418	Tdurum_contig65246_303	4.2	0.0	No
5B_2	12766372	Tdurum_contig78069_514	4.2	0.0	No
5B_2	40714352	Tdurum_contig84745_267	4.2	0.0	No
5B_2	42765404	Tdurum_contig93270_1008	4.2	0.0	No
5B_2	54672332	Tdurum_contig98095_134	4.2	0.0	No
5B_2	21748335	Tdurum_contig99185_460	4.2	0.0	No
5B_2	59780374	wsnp_BE497820B_Ta_2_3	4.2	0.0	No
5B_2	51728393	wsnp_BQ166999B_Ta_2_1	4.2	0.0	No
5B_2	26639381	wsnp_CAP11_rep_c8668_3741698	4.2	0.0	No
5B_2	63629486	wsnp_Ex_c11275_18229524	4.2	0.0	No
5B_2	26717484	wsnp_Ex_c43518_49814933	4.2	0.0	No
5B_2	14733485	wsnp_Ex_c6100_10676217	4.2	0.0	No
5B_2	67665307	wsnp_Ex_c7483_12800686	4.2	0.0	No
5B_2	29671414	wsnp_Ex_c765_1506774	4.2	0.0	No
5B_2	15711363	wsnp_Ex_c8985_14979134	4.2	0.0	No
5B_2	55685347	wsnp_Ex_rep_c66651_64962429	4.2	0.0	No
5B_2	59667334	wsnp_Ex_rep_c66651_64963120	4.2	0.0	No
5B_2	23796432	wsnp_Ex_rep_c66921_65344887	4.2	0.0	No
5B_2	55687436	wsnp_Ku_c11721_19085513	4.2	0.0	No
5B_2	73600441	wsnp_Ku_c11980_19464222	4.2	0.0	No
5B_2	15805376	wsnp_Ku_c14332_22613741	4.2	0.0	No
5B_2	29677414	wsnp_Ku_c15630_24304828	4.2	0.0	No
5B_2	43629326	wsnp_Ku_c15630_24304954	4.2	0.0	No
5B_2	13690397	wsnp_Ku_c20701_30355248	4.2	0.0	No
5B_2	64701311	wsnp_Ku_c6464_11320381	4.2	0.0	No
5B_2	46767300	wsnp_Ra_c31894_40964279	4.2	0.0	No
5B_2	57809388	wsnp_RFL_Contig4574_5416228	4.2	0.6	No
5B_2	12603491	BobWhite_c10954_467	4.8	0.0	Yes
5B_2	55744499	BobWhite_c15585_87	4.8	0.0	No
5B_2	43703376	BobWhite_c17133_107	4.8	0.0	No
5B_2	69670434	BobWhite_c17133_595	4.8	0.0	No
5B_2	56749301	BobWhite_c5564_86	4.8	0.0	No
5B_2	54770377	BS00041079_51	4.8	0.0	No
5B_2	34774494	D_contig19092_316	4.8	0.0	No
5B_2	69687424	Ex_c1846_1818	4.8	0.0	No
5B_2	57693492	Excalibur_c17843_812	4.8	0.0	No
5B_2	62622382	Excalibur_c38701_537	4.8	0.0	No
5B_2	56806432	Excalibur_c5540_1197	4.8	0.0	No
5B_2	68745320	IAAV2507	4.8	0.0	No
5B_2	32809331	IAAV4252	4.8	0.0	No
5B_2	48678439	Ku_c439_1308	4.8	0.0	No
5B_2	43808467	Kukri_c10512_427	4.8	0.0	No

5B_2	58699420	Kukri_rep_c106411_137	4.8	0.0	No
5B_2	47671446	Kukri_rep_c106665_549	4.8	0.0	No
5B_2	20730307	RAC875_c2440_755	4.8	0.0	No
5B_2	12643304	TA003794-1077	4.8	0.0	No
5B_2	56675339	Tdurum_contig28482_427	4.8	0.0	No
5B_2	52685441	Tdurum_contig44130_228	4.8	0.0	No
5B_2	10623492	Tdurum_contig4708_1648	4.8	0.0	No
5B_2	49637400	Tdurum_contig4708_684	4.8	0.0	No
5B_2	56788498	Tdurum_contig62320_141	4.8	0.0	No
5B_2	41623489	wsnp_CAP7_c3386_1586636	4.8	0.0	No
5B_2	23764319	wsnp_CAP8_c2693_1401039	4.8	0.0	No
5B_2	72804304	wsnp_Ex_c1498_2868339	4.8	0.0	No
5B_2	41614361	wsnp_Ex_c5915_10378807	4.8	0.0	No
5B_2	40670460	wsnp_Ex_rep_c103024_88075650	4.8	0.0	No
5B_2	71633310	wsnp_Ex_rep_c68091_66846454	4.8	0.0	No
5B_2	61610355	wsnp_Ku_c14252_22506286	4.8	0.0	No
5B_2	61675430	wsnp_Ku_c27243_37190781	4.8	0.0	No
5B_2	41681500	wsnp_Ku_c48254_54492007	4.8	1.0	No
5B_2	14650319	GENE-3101_854	5.8	0.0	Yes
5B_2	62803335	IAAV5469	5.8	0.0	No
5B_2	57636315	Kukri_c22967_1272	5.8	0.0	No
5B_2	49786476	RFL_Contig3192_1291	5.8	0.0	No
5B_2	31673329	wsnp_Ex_rep_c75281_72691359	5.8	0.0	No
5B_2	70742342	wsnp_RFL_Contig4565_5399994	5.8	1.7	No
5B_2	wPt-6902	wPt-6902	7.5	10.8	Yes
5B_2	wPt-1261	wPt-1261	18.3	1.2	Yes
5B_2	74804315	Excalibur_c40676_447	19.5	0.0	Yes
5B_2	32602303	Kukri_c25747_894	19.5	0.0	No
5B_2	51608479	Kukri_c37603_123	19.5	0.0	No
5B_2	68603378	Tdurum_contig71099_245	19.5	0.0	No
5B_2	48654384	wsnp_BE499835B_Ta_2_5	19.5	0.0	No
5B_2	15732497	wsnp_BF201102B_Ta_2_1	19.5	0.0	No
5B_2	50617403	Tdurum_contig9387_219	19.6	1.4	Yes
5B_2	66682425	BS00065543_51	20.9	0.0	Yes
5B_2	42778506	CAP12_c6289_70	20.9	0.0	No
5B_2	16653360	Excalibur_c11605_156	20.9	0.0	No
5B_2	70655326	Excalibur_c30273_138	20.9	0.0	No
5B_2	10712498	GENE-3207_134	20.9	0.0	No
5B_2	44642444	GENE-3207_610	20.9	0.0	No
5B_2	23704491	Kukri_c23694_370	20.9	0.0	No
5B_2	51766508	RAC875_c22387_117	20.9	0.0	No
5B_2	40769453	RAC875_c54904_460	20.9	0.0	No
5B_2	26775464	wsnp_Ex_rep_c110196_92676847	20.9	0.0	No
5B_2	29696464	wsnp_JD_c4559_5692668	20.9	2.1	No

5B_2	wPt-3931	wPt-3931	23.0	7.1	Yes
5B_2	60738428	IAAV731	30.2	0.0	Yes
5B_2	32674430	Tdurum_contig53796_360	30.2	0.0	No
5B_2	63743350	Tdurum_contig8695_379	30.2	0.0	No
5B_2	20795408	Tdurum_contig9291_438	30.2	0.0	No
5B_2	60727362	Tdurum_contig9291_553	30.2	0.0	No
5B_2	25638301	Tdurum_contig9291_744	30.2	0.9	No
5B_2	34780347	wsnp_Ku_c10586_17464696	31.1	0.6	Yes
5B_2	64683488	BobWhite_c26680_62	31.7	0.0	Yes
5B_2	14643453	BS00022525_51	31.7	0.0	No
5B_2	64604429	BS00063476_51	31.7	0.0	No
5B_2	14795396	BS00083715_51	31.7	0.0	No
5B_2	12679365	Excalibur_c74858_243	31.7	0.0	No
5B_2	52728334	Excalibur_rep_c102143_58	31.7	0.0	No
5B_2	13660346	Excalibur_rep_c110121_63	31.7	0.0	No
5B_2	12752381	Kukri_c25201_305	31.7	0.0	No
5B_2	67750473	Kukri_c37061_649	31.7	0.0	No
5B_2	57603410	RAC875_c28831_558	31.7	0.0	No
5B_2	59665445	RFL_Contig1899_2863	31.7	0.0	No
5B_2	11810411	Tdurum_contig14130_245	31.7	0.0	No
5B_2	15736438	Tdurum_contig14130_315	31.7	0.0	No
5B_2	65735414	wsnp_Ex_c2459_4591587	31.7	0.0	No
5B_2	35784435	wsnp_Ex_c33932_42333941	31.7	0.0	No
5B_2	67624371	wsnp_Ex_c56629_58677561	31.7	0.0	No
5B_2	22770452	wsnp_Ex_rep_c68504_67334656	31.7	0.0	No
5B_2	47686481	wsnp_Ku_rep_c103274_90057407	31.7	5.8	No
5B_2	43603363	BobWhite_c23714_130	37.5	0.0	Yes
5B_2	49602302	BS00003643_51	37.5	0.0	No
5B_2	70605484	BS00010153_51	37.5	0.0	No
5B_2	32745425	BS00022115_51	37.5	0.0	No
5B_2	13781404	BS00024992_51	37.5	0.0	No
5B_2	55761423	BS00024993_51	37.5	0.0	No
5B_2	71759490	BS00060650_51	37.5	0.0	No
5B_2	58760471	BS00064297_51	37.5	0.0	No
5B_2	10734479	BS00064298_51	37.5	0.0	No
5B_2	65635360	BS00067985_51	37.5	0.0	No
5B_2	54785392	BS00079166_51	37.5	0.0	No
5B_2	72676414	BS00102828_51	37.5	0.0	No
5B_2	42733454	Excalibur_c25026_175	37.5	0.0	No
5B_2	37665487	Excalibur_c32189_941	37.5	0.0	No
5B_2	41674311	Excalibur_c32189_998	37.5	0.0	No
5B_2	58679300	Excalibur_c6967_1233	37.5	0.0	No
5B_2	22683365	Excalibur_c6967_1852	37.5	0.0	No
5B_2	28601335	Excalibur_c6967_553	37.5	0.0	No

5B_2	38714363	IACX5872	37.5	0.0	No
5B_2	35618330	Kukri_c14683_65	37.5	0.0	No
5B_2	73617495	Kukri_c60115_164	37.5	0.0	No
5B_2	16705506	Kukri_c65921_274	37.5	0.0	No
5B_2	37737380	Kukri_rep_c70770_1937	37.5	0.0	No
5B_2	16739423	RFL_Contig4979_865	37.5	0.0	No
5B_2	16755350	RFL_Contig4979_965	37.5	0.0	No
5B_2	21673349	tplb0060p09_735	37.5	0.0	No
5B_2	68769300	wsnp_CAP11_rep_c4382_2067038	37.5	1.8	No
5B_2	wPt-1302	wPt-1302	39.3		Yes
5B_3	wPt-0295	wPt-0295	0.0	2.3	Yes
5B_3	wPt-0054	wPt-0054	2.3	1.2	Yes
5B_3	28716332	Excalibur_c2207_1060	3.5	0.0	Yes
5B_3	15619460	Excalibur_c47234_1012	3.5	0.0	No
5B_3	53672473	Kukri_c3734_400	3.5	0.0	No
5B_3	47621357	Kukri_c3734_438	3.5	0.0	No
5B_3	44680307	Kukri_c46310_84	3.5	0.0	No
5B_3	11724498	Kukri_c55885_110	3.5	0.0	No
5B_3	29616467	Kukri_c55885_139	3.5	0.0	No
5B_3	15748378	Kukri_c637_1679	3.5	0.0	No
5B_3	54775396	Kukri_c637_517	3.5	0.0	No
5B_3	40784490	Kukri_c637_583	3.5	0.0	No
5B_3	39667351	Kukri_c637_827	3.5	0.0	No
5B_3	63655503	Kukri_c637_974	3.5	0.0	No
5B_3	18657304	RAC875_rep_c105927_650	3.5	0.0	No
5B_3	66772337	tplb0048o03_953	3.5	0.0	No
5B_3	71800312	wsnp_Ex_c2207_4135530	3.5	0.0	No
5B_3	45767369	wsnp_Ex_c2207_4136036	3.5	0.0	No
5B_3	52768307	wsnp_Ku_c16116_24914891	3.5	0.0	No
5B_3	27753465	wsnp_Ku_c16116_24914991	3.5	1.4	No
5B_3	15680482	Ex_c34486_581	4.9	0.0	Yes
5B_3	58682336	Excalibur_c71602_420	4.9	0.0	Yes
5B_3	17605488	Excalibur_c71602_591	4.9	0.0	No
5B_3	58689332	Excalibur_c86388_413	4.9	0.0	No
5B_3	36613388	Excalibur_c96435_216	4.9	0.0	No
5B_3	63693508	Kukri_c21384_1758	4.9	1.3	No
5B_3	40606486	Tdurum_contig93435_1096	6.2	0.0	Yes
5B_3	10721350	BobWhite_c31_3667	6.2	0.0	Yes
5B_3	22755487	BobWhite_c31_2478	6.2	0.0	Yes
5B_3	48608497	D_contig01224_479	6.2	0.0	No
5B_3	49784494	Excalibur_c31364_298	6.2	0.0	No
5B_3	62703417	Kukri_c5318_380	6.2	0.0	No
5B_3	60726451	RAC875_rep_c106589_784	6.2	0.0	No
5B_3	49693412	RAC875_rep_c69613_547	6.2	0.0	No

5B_3	72635468	Tdurum_contig28552_211	6.2	0.0	No
5B_3	25716491	Tdurum_contig28552_88	6.2	0.0	No
5B_3	36669355	Tdurum_contig43552_666	6.2	0.0	No
5B_3	22681352	Tdurum_contig51416_414	6.2	0.0	No
5B_3	13751405	Tdurum_contig54787_576	6.2	0.0	No
5B_3	71635326	Tdurum_contig54787_931	6.2	0.0	No
5B_3	17617427	Tdurum_contig92922_58	6.2	0.0	No
5B_3	37626468	Tdurum_contig9749_66	6.2	11.0	No
5B_3	54802470	Excalibur_c28091_279	17.2	3.9	Yes
5B_3	wPt-4091	wPt-4091	21.1	2.6	Yes
5B_3	wPt-5118	wPt-5118	23.7	0.6	Yes
5B_3	16601306	BS00068775_51	24.4	0.0	Yes
5B_3	54767467	BS00098432_51	24.4	0.0	No
5B_3	31647398	D_contig61362_644	24.4	0.0	No
5B_3	67726383	Excalibur_c146_170	24.4	0.0	No
5B_3	28767366	Excalibur_c23433_338	24.4	0.0	No
5B_3	55659386	Excalibur_c23801_115	24.4	0.0	No
5B_3	63787425	Excalibur_c5055_1160	24.4	0.0	No
5B_3	30767482	Excalibur_c6346_266	24.4	0.0	No
5B_3	64607483	Kukri_c18410_193	24.4	0.0	No
5B_3	38649476	Kukri_c18410_349	24.4	0.0	No
5B_3	10681310	Kukri_c18410_409	24.4	0.0	No
5B_3	54709458	Kukri_c84307_76	24.4	0.0	No
5B_3	20643407	RAC875_c35495_796	24.4	0.0	No
5B_3	61806355	RAC875_c82589_246	24.4	0.0	No
5B_3	23728504	Tdurum_contig11758_295	24.4	0.0	No
5B_3	31633355	Tdurum_contig60189_855	24.4	0.0	No
5B_3	48674305	Tdurum_contig66604_927	24.4	0.0	No
5B_3	27624367	BS00068776_51	24.4	1.4	Yes
5B_3	22701360	Tdurum_contig28868_84	25.8	0.0	Yes
5B_3	62683390	Tdurum_contig59965_403	25.8	0.0	No
5B_3	19650432	Tdurum_contig59965_563	25.8	1.5	No
5B_3	38704367	BS00013077_51	27.3	0.0	Yes
5B_3	31721471	CAP11_c2765_78	27.3	0.0	No
5B_3	16640308	Tdurum_contig59631_198	27.3	0.0	No
5B_3	44666327	Tdurum_contig59631_417	27.3	3.0	No
5B_3	69737452	BS00060460_51	30.3	0.0	Yes
5B_3	51678437	BS00031338_51	30.4	0.0	Yes
5B_3	37759483	BS00031339_51	30.4	0.0	No
5B_3	66707439	BS00097029_51	30.4	0.0	No
5B_3	50761436	BS00097030_51	30.4	0.0	No
5B_3	74722398	Ex_c20024_1452	30.4	0.0	No
5B_3	55762343	Ex_c20606_800	30.4	0.0	No
5B_3	41803310	Excalibur_c20024_806	30.4	0.0	No

5B_3	11685462	Excalibur_c20606_871	30.4	0.0	No
5B_3	10681381	Excalibur_c2618_1412	30.4	0.0	No
5B_3	30661474	Excalibur_c2618_1723	30.4	0.0	No
5B_3	58731494	Excalibur_c63110_92	30.4	0.0	No
5B_3	11663477	IAAV1981	30.4	0.0	No
5B_3	69733364	Kukri_c52425_198	30.4	0.0	No
5B_3	73690472	RAC875_c20429_101	30.4	0.0	No
5B_3	14666390	RAC875_c20429_421	30.4	0.0	No
5B_3	74753411	Tdurum_contig13965_1223	30.4	0.0	No
5B_3	35609320	Tdurum_contig13965_452	30.4	0.0	No
5B_3	61636447	Tdurum_contig29123_351	30.4	0.0	No
5B_3	69683331	Tdurum_contig84832_110	30.4	0.0	No
5B_3	74605493	Tdurum_contig97942_163	30.4	0.0	No
5B_3	28687303	Tdurum_contig97942_51	30.4	0.8	No
5B_3	35714398	BobWhite_c7818_278	31.2	0.0	Yes
5B_3	16639325	BS00090411_51	31.2	0.8	No
5B_3	wPt-6971	wPt-6971	32.0	3.3	Yes
5B_3	wPt-7665	wPt-7665	35.3	0.0	Yes
5B_3	wPt-11557	wPt-11557	35.3		Yes
6A_1	61755380	RAC875_c52504_215	0.0	3.5	Yes
6A_1	wPt-8833	wPt-8833	3.5	0.9	Yes
6A_1	wPt-2563	wPt-2563	4.4	0.0	Yes
6A_1	wPt-0139	wPt-0139	4.4	1.2	No
6A_1	wPt-7445	wPt-7445	5.5	0.0	Yes
6A_1	23770349	GENE-4099_228	5.6	0.1	Yes
6A_1	60707487	BobWhite_c10740_179	5.6	0.0	Yes
6A_1	47781300	BobWhite_c15870_540	5.6	0.0	No
6A_1	17682332	BobWhite_c27216_137	5.6	0.0	No
6A_1	10621452	BS00023140_51	5.6	0.0	No
6A_1	37772311	BS00066661_51	5.6	0.0	No
6A_1	47707338	BS00076530_51	5.6	0.0	No
6A_1	46742492	BS00091666_51	5.6	0.0	No
6A_1	38661500	BS00091668_51	5.6	0.0	No
6A_1	26678504	BS00109886_51	5.6	0.0	No
6A_1	17746350	BS00110316_51	5.6	0.0	No
6A_1	26687437	CAP7_rep_c13246_103	5.6	0.0	No
6A_1	15807504	CAP8_c3629_486	5.6	0.0	No
6A_1	65705408	Excalibur_c1708_1975	5.6	0.0	No
6A_1	74785356	Excalibur_c17274_263	5.6	0.0	No
6A_1	26601489	Excalibur_c25211_828	5.6	0.0	No
6A_1	43747366	Excalibur_c60006_452	5.6	0.0	No
6A_1	72602460	Excalibur_c60006_83	5.6	0.0	No
6A_1	71770479	Excalibur_c77210_167	5.6	0.0	No

6A_1	44606323	GENE-1530_1075	5.6	0.0	No
6A_1	44689472	GENE-1530_263	5.6	0.0	No
6A_1	61664486	IAAV7349	5.6	0.0	No
6A_1	65747381	IAAV7418	5.6	0.0	No
6A_1	69712354	IACX3415	5.6	0.0	No
6A_1	22727355	IACX8337	5.6	0.0	No
6A_1	29743371	Ku_c37893_495	5.6	0.0	No
6A_1	70602362	Kukri_c18486_347	5.6	0.0	No
6A_1	31681334	Kukri_c2357_152	5.6	0.0	No
6A_1	11713464	Kukri_c264_438	5.6	0.0	No
6A_1	38772458	Kukri_c264_539	5.6	0.0	No
6A_1	37659360	Kukri_c35661_63	5.6	0.0	No
6A_1	74715380	Kukri_rep_c104648_439	5.6	0.0	No
6A_1	23785416	Kukri_rep_c113626_110	5.6	0.0	No
6A_1	13762313	RAC875_c1215_1525	5.6	0.0	No
6A_1	45785402	RAC875_c23490_622	5.6	0.0	No
6A_1	41635392	RAC875_c34617_143	5.6	0.0	No
6A_1	14773430	RAC875_c47243_145	5.6	0.0	No
6A_1	52659311	RAC875_rep_c106439_1097	5.6	0.0	No
6A_1	48765385	RAC875_rep_c108445_772	5.6	0.0	No
6A_1	43620473	TA001668-0792	5.6	0.0	No
6A_1	49622421	TA004624-0679	5.6	0.0	No
6A_1	15682336	TA005058-0493	5.6	0.0	No
6A_1	69672505	Tdurum_contig102404_127	5.6	0.0	No
6A_1	36777326	Tdurum_contig102404_298	5.6	0.0	No
6A_1	55801300	Tdurum_contig17950_455	5.6	0.0	No
6A_1	69667371	Tdurum_contig25770_254	5.6	0.0	No
6A_1	56690306	Tdurum_contig25770_308	5.6	0.0	No
6A_1	29775390	Tdurum_contig25841_178	5.6	0.0	No
6A_1	48641499	Tdurum_contig29033_75	5.6	0.0	No
6A_1	43687309	Tdurum_contig33286_221	5.6	0.0	No
6A_1	25642388	Tdurum_contig33313_101	5.6	0.0	No
6A_1	11733392	Tdurum_contig42015_2187	5.6	0.0	No
6A_1	10692492	Tdurum_contig42729_242	5.6	0.0	No
6A_1	64785360	Tdurum_contig42729_380	5.6	0.0	No
6A_1	28777469	Tdurum_contig42729_433	5.6	0.0	No
6A_1	19694442	Tdurum_contig42906_732	5.6	0.0	No
6A_1	53697412	Tdurum_contig47463_615	5.6	0.0	No
6A_1	46719385	Tdurum_contig51780_159	5.6	0.0	No
6A_1	58691417	Tdurum_contig61934_167	5.6	0.0	No
6A_1	24668309	Tdurum_contig61934_60	5.6	0.0	No
6A_1	33606405	Tdurum_contig62141_295	5.6	0.0	No
6A_1	29773398	Tdurum_contig62141_496	5.6	0.0	No
6A_1	54653416	Tdurum_contig62141_93	5.6	0.0	No

6A_1	55807428	Tdurum_contig64407_187	5.6	0.0	No
6A_1	50787420	Tdurum_contig64407_219	5.6	0.0	No
6A_1	36753334	Tdurum_contig64407_297	5.6	0.0	No
6A_1	13743395	Tdurum_contig64854_527	5.6	0.0	No
6A_1	49662503	Tdurum_contig75292_933	5.6	0.0	No
6A_1	27633454	Tdurum_contig9544_2126	5.6	0.0	No
6A_1	45717497	Tdurum_contig9544_2233	5.6	0.0	No
6A_1	64765333	Tdurum_contig9544_675	5.6	0.0	No
6A_1	73648376	Tdurum_contig9544_978	5.6	0.0	No
6A_1	34769343	tplb0048b19_119	5.6	0.0	No
6A_1	47649468	wsnp_BQ167224A_Ta_2_1	5.6	0.0	No
6A_1	72656304	wsnp_Ex_c17575_26299925	5.6	0.0	No
6A_1	26789399	wsnp_Ex_c17575_26300030	5.6	0.0	No
6A_1	67706475	wsnp_Ex_c31149_39975724	5.6	0.0	No
6A_1	42772374	wsnp_Ex_c31149_39975883	5.6	0.0	No
6A_1	57624462	wsnp_Ex_c31149_39976066	5.6	0.0	No
6A_1	16646472	wsnp_Ex_c42945_49390254	5.6	0.0	No
6A_1	15767315	wsnp_Ex_rep_c67468_66068537	5.6	0.0	No
6A_1	14624397	wsnp_Ex_rep_c67468_66068960	5.6	0.0	No
6A_1	70730334	wsnp_RFL_Contig3759_4027999	5.6	0.3	No
6A_1	wPt-7599	wPt-7599	5.9	0.7	Yes
6A_1	wPt-0357	wPt-0357	6.5	1.3	Yes
6A_1	56615458	Kukri_c38599_63	7.9	0.0	Yes
6A_1	63773396	Kukri_c39863_225	7.9	2.7	No
6A_1	11672462	BS00063990_51	10.6	0.0	Yes
6A_1	20750365	Excalibur_c9713_371	10.6	0.0	No
6A_1	17690316	JD_c2846_753	10.6	0.0	No
6A_1	21614384	Tdurum_contig51862_864	10.6	0.0	No
6A_1	69610500	Tdurum_contig64047_213	10.6	0.0	No
6A_1	53762463	Tdurum_contig64047_520	10.6	0.0	No
6A_1	22789429	wsnp_JD_c2180_3000498	10.6	1.6	No
6A_1	22612466	Tdurum_contig67686_633	12.2	1.0	Yes
6A_1	19644441	BobWhite_c4872_97	13.3	0.0	Yes
6A_1	61662360	BobWhite_c5782_825	13.3	0.0	No
6A_1	56617324	BS00063296_51	13.3	0.0	No
6A_1	49674371	BS00073124_51	13.3	0.0	No
6A_1	37656394	Excalibur_c10263_218	13.3	0.0	No
6A_1	30701428	IAAV4950	13.3	0.0	No
6A_1	10715321	Jagger_c2853_75	13.3	0.0	No
6A_1	50694309	Tdurum_contig11413_700	13.3	0.0	No
6A_1	65670452	Tdurum_contig11413_78	13.3	0.0	No
6A_1	60794387	Tdurum_contig50698_250	13.3	0.0	No
6A_1	14657335	Tdurum_contig58912_605	13.3	0.0	No
6A_1	43632439	Tdurum_contig7557_723	13.3	0.0	No

6A_1	24614340	Tdurum_contig92819_647	13.3	0.0	No
6A_1	67772367	wsnp_BE490604A_Ta_2_1	13.3	0.0	No
6A_1	13690326	wsnp_Ku_c26784_36748247	13.3	4.2	No
6A_1	14662411	BobWhite_c11312_346	17.4	0.0	Yes
6A_1	40810448	BobWhite_c18017_209	17.4	0.0	No
6A_1	56642495	BobWhite_c23888_124	17.4	0.0	No
6A_1	12754439	BS00021747_51	17.4	0.0	No
6A_1	63618429	BS00023847_51	17.4	0.0	No
6A_1	48709384	BS00065851_51	17.4	0.0	No
6A_1	46747504	BS00072286_51	17.4	0.0	No
6A_1	16624503	BS00079942_51	17.4	0.0	No
6A_1	64675414	Excalibur_c61218_269	17.4	0.0	No
6A_1	38618457	Excalibur_rep_c82397_137	17.4	0.0	No
6A_1	66679334	GENE-3854_620	17.4	0.0	No
6A_1	54605409	IAAV8577	17.4	0.0	No
6A_1	61710390	JD_c8888_741	17.4	0.0	No
6A_1	10614354	Kukri_c19338_413	17.4	0.0	No
6A_1	51663388	Kukri_c22149_276	17.4	0.0	No
6A_1	55798326	Kukri_c36476_559	17.4	0.0	No
6A_1	19624426	Kukri_rep_c68344_627	17.4	0.0	No
6A_1	72649431	RAC875_c28637_1004	17.4	0.0	No
6A_1	54667316	RAC875_c33523_648	17.4	0.0	No
6A_1	23734508	RAC875_c49875_405	17.4	0.0	No
6A_1	68646384	RAC875_c60695_112	17.4	0.0	No
6A_1	61708323	RAC875_rep_c73850_589	17.4	0.0	No
6A_1	37686426	RAC875_rep_c81239_73	17.4	0.0	No
6A_1	31712474	Tdurum_contig16290_156	17.4	0.0	No
6A_1	29690461	Tdurum_contig17126_1477	17.4	0.0	No
6A_1	29742500	Tdurum_contig42084_811	17.4	0.0	No
6A_1	66801487	Tdurum_contig48870_249	17.4	0.0	No
6A_1	58701385	Tdurum_contig55124_310	17.4	0.0	No
6A_1	52773489	Tdurum_contig70820_833	17.4	0.0	No
6A_1	72740486	wsnp_CAP7_c1839_907899	17.4	0.0	No
6A_1	66668338	wsnp_CAP7_c1839_908011	17.4	0.0	No
6A_1	35649370	wsnp_CAP7_c1839_908093	17.4	0.0	No
6A_1	37707344	wsnp_Ex_c10087_16579529	17.4	0.0	No
6A_1	54721339	wsnp_Ex_c12141_19415226	17.4	0.0	No
6A_1	49739503	wsnp_Ex_c14192_22135363	17.4	0.0	No
6A_1	70630443	wsnp_Ex_c14192_22135384	17.4	0.0	No
6A_1	13661498	wsnp_Ex_rep_c66433_64661643	17.4	0.0	No
6A_1	26762321	wsnp_Ex_rep_c66433_64662690	17.4	1.5	No
6A_1	49662344	Ku_c11950_931	18.9	1.2	Yes
6A_1	23669340	Tdurum_contig10412_469	20.1	0.0	Yes
6A_1	42760463	Tdurum_contig10412_650	20.1	1.3	No

6A_1	30600447	Tdurum_contig42318_1372	21.5	1.4	Yes
6A_1	37622412	Tdurum_contig45504_166	22.9	2.3	Yes
6A_1	33656377	BS00010576_51	25.2	0.0	Yes
6A_1	49781460	Excalibur_rep_c68125_1097	25.2	0.0	No
6A_1	32759502	Kukri_c14877_303	25.2	0.0	No
6A_1	37675408	Kukri_c31048_186	25.2	0.0	No
6A_1	64670433	Kukri_c4750_452	25.2	0.0	No
6A_1	67798495	TA005759-0353	25.2	0.0	No
6A_1	35617482	Tdurum_contig10205_807	25.2	0.0	No
6A_1	51720318	Tdurum_contig10622_799	25.2	0.0	No
6A_1	55736439	Tdurum_contig12033_275	25.2	0.0	No
6A_1	47601447	Tdurum_contig13680_134	25.2	0.0	No
6A_1	26687465	Tdurum_contig29774_603	25.2	0.0	No
6A_1	54740384	Tdurum_contig43479_952	25.2	0.0	No
6A_1	65656442	Tdurum_contig59351_418	25.2	0.0	No
6A_1	29693497	Tdurum_contig59351_490	25.2	0.0	No
6A_1	31625341	Tdurum_contig59599_1213	25.2	0.0	No
6A_1	57677381	Tdurum_contig75737_1479	25.2	0.0	No
6A_1	66800425	Tdurum_contig83570_288	25.2	0.0	No
6A_1	35648432	Tdurum_contig83933_258	25.2	0.0	No
6A_1	23786453	Tdurum_contig8896_296	25.2	0.7	No
6A_1	55631459	BS00021376_51	25.9	0.0	Yes
6A_1	36672383	BS00023092_51	25.9	0.0	No
6A_1	68652406	BS00036878_51	25.9	0.0	No
6A_1	50775444	BS00059860_51	25.9	0.0	No
6A_1	39780478	Excalibur_c56264_188	25.9	0.0	No
6A_1	23781401	IAAV7384	25.9	0.0	No
6A_1	10625381	RAC875_c7804_236	25.9	0.0	No
6A_1	53614423	RAC875_rep_c72499_697	25.9	0.0	No
6A_1	69782324	Tdurum_contig27441_373	25.9	0.0	No
6A_1	33706338	Tdurum_contig47663_321	25.9	0.0	No
6A_1	39711447	Tdurum_contig48357_329	25.9	0.0	No
6A_1	66770382	Tdurum_contig53138_302	25.9	0.0	No
6A_1	16764361	Tdurum_contig76709_195	25.9	0.0	No
6A_1	14765378	Tdurum_contig78006_158	25.9	0.2	No
6A_1	22604400	wsnp_Ku_rep_c112734_95776957	26.1	5.2	Yes
6A_1	wPt-2465	wPt-2465	31.3	7.4	Yes
6A_1	wPt-2077	wPt-2077	38.7		Yes
6A_2	11637384	BS00029127_51	0.0	0.0	Yes
6A_2	23661403	BS00096240_51	0.0	0.0	No
6A_2	39609405	GENE-4028_111	0.0	0.0	No
6A_2	18626359	Tdurum_contig51566_561	0.0	0.0	No
6A_2	51633421	wsnp_BE489894A_Ta_2_1	0.0	0.0	No
6A_2	59751365	wsnp_Ku_c28854_38769308	0.0	1.5	No

6A_2	24662474	BobWhite_c27145_318	1.5	0.0	Yes
6A_2	33703326	BobWhite_c27145_731	1.5	0.0	No
6A_2	41698509	Tdurum_contig75700_411	1.5	1.5	No
6A_2	67688322	Kukri_c57452_1040	3.0	0.0	Yes
6A_2	22627504	Kukri_rep_c95718_868	3.0	0.0	No
6A_2	22698476	Ra_c3533_880	3.0	0.0	No
6A_2	69646316	RAC875_c103443_475	3.0	0.0	No
6A_2	52685379	RAC875_rep_c74051_276	3.0	0.0	No
6A_2	70774343	RFL_Contig1715_631	3.0	0.0	No
6A_2	30750317	RFL_Contig6053_2072	3.0	0.0	No
6A_2	15695493	RFL_Contig6053_3082	3.0	0.0	No
6A_2	31674394	Tdurum_contig28802_213	3.0	0.0	No
6A_2	57783484	wsnp_Ex_c20457_29526260	3.0	0.0	No
6A_2	40647399	wsnp_Ex_c20457_29526403	3.0	0.0	No
6A_2	46615369	wsnp_Ex_c2236_4189774	3.0	0.0	No
6A_2	72722317	wsnp_Ex_c34597_42879693	3.0	0.0	No
6A_2	19789442	wsnp_Ex_c34597_42879718	3.0	0.0	No
6A_2	23658413	wsnp_Ex_c8510_14306239	3.0	0.0	No
6A_2	48651392	wsnp_Ex_rep_c101766_87073440	3.0	11.7	No
6A_2	22693435	Tdurum_contig92441_354	14.7	2.1	Yes
6A_2	10777324	Tdurum_contig14676_637	16.8	0.2	Yes
6A_2	48678361	Tdurum_contig62599_415	16.9	4.9	Yes
6A_2	39791473	BS00074024_51	21.9	0.0	Yes
6A_2	13693382	Excalibur_c33709_68	21.9	2.7	No
6A_2	56661502	Ku_c604_705	24.5	0.0	Yes
6A_2	11612455	RFL_Contig5314_1147	24.5	0.0	No
6A_2	12643375	Tdurum_contig27888_760	24.5	0.0	No
6A_2	25722415	Tdurum_contig30251_210	24.5	0.0	No
6A_2	48746309	Tdurum_contig7464_1168	24.5		No
6A_3	wPt-0562	wPt-0562	0.0	0.0	Yes
6A_3	rPt-9065	rPt-9065	0.0	1.2	No
6A_3	44677388	JD_c23_3032	1.2	0.5	Yes
6A_3	73647386	BobWhite_c4142_91	1.7	0.0	Yes
6A_3	71788457	BS00010657_51	1.7	0.0	No
6A_3	59625343	BS00010922_51	1.7	0.0	No
6A_3	46797463	BS00022481_51	1.7	0.0	No
6A_3	13704432	BS00075409_51	1.7	0.0	No
6A_3	73636486	Excalibur_c4789_2748	1.7	0.0	No
6A_3	22633505	Kukri_c11737_1241	1.7	0.0	No
6A_3	19742453	Kukri_c7146_870	1.7	0.0	No
6A_3	17793437	RAC875_rep_c112205_166	1.7	0.0	No
6A_3	46686409	TA002381-0322	1.7	0.0	No
6A_3	45767484	Tdurum_contig27939_357	1.7	0.0	No
6A_3	60704377	Tdurum_contig44853_1083	1.7	0.5	No

6A_3	55787349	BobWhite_c15802_72	2.3	0.0	Yes
6A_3	28624486	BS00003632_51	2.3	0.0	No
6A_3	74806438	BS00012150_51	2.3	0.0	No
6A_3	30708455	BS00036635_51	2.3	0.0	No
6A_3	32747347	BS00063903_51	2.3	0.0	No
6A_3	14704411	BS00064449_51	2.3	0.0	No
6A_3	16689320	BS00064453_51	2.3	0.0	No
6A_3	74806492	BS00065069_51	2.3	0.0	No
6A_3	74653443	BS00066872_51	2.3	0.0	No
6A_3	16784373	BS00068515_51	2.3	0.0	No
6A_3	55730325	BS00091538_51	2.3	0.0	No
6A_3	45801420	BS00107760_51	2.3	0.0	No
6A_3	40771408	Excalibur_c13_1799	2.3	0.0	No
6A_3	41608325	Excalibur_c13115_348	2.3	0.0	No
6A_3	52760357	Excalibur_c2978_667	2.3	0.0	No
6A_3	16702435	GENE-0345_707	2.3	0.0	No
6A_3	12617362	IACX8154	2.3	0.0	No
6A_3	37733505	Kukri_c102502_261	2.3	0.0	No
6A_3	30659415	Kukri_c2040_624	2.3	0.0	No
6A_3	46665450	Kukri_c37937_351	2.3	0.0	No
6A_3	32734487	Kukri_c38982_246	2.3	0.0	No
6A_3	58781391	Kukri_c38982_516	2.3	0.0	No
6A_3	70742487	Kukri_c49017_404	2.3	0.0	No
6A_3	58704375	Kukri_c6364_578	2.3	0.0	No
6A_3	65805436	Kukri_c93507_110	2.3	0.0	No
6A_3	47749444	Kukri_rep_c101465_416	2.3	0.0	No
6A_3	69768348	RAC875_c12835_1335	2.3	0.0	No
6A_3	26632406	RAC875_rep_c79566_238	2.3	0.0	No
6A_3	18687503	RFL_Contig1622_1433	2.3	0.0	No
6A_3	44688444	RFL_Contig1622_1825	2.3	0.0	No
6A_3	31689326	RFL_Contig1622_923	2.3	0.0	No
6A_3	19711475	TA001907-0759	2.3	0.0	No
6A_3	35650496	Tdurum_contig29823_88	2.3	0.0	No
6A_3	57616448	Tdurum_contig42405_114	2.3	0.0	No
6A_3	62809396	Tdurum_contig42405_197	2.3	0.0	No
6A_3	30638347	Tdurum_contig54957_525	2.3	0.0	No
6A_3	10647346	Tdurum_contig62593_410	2.3	0.0	No
6A_3	52720372	Tdurum_contig97611_150	2.3	0.0	No
6A_3	51809440	wsnp_CAP8_c6680_3136899	2.3	0.0	No
6A_3	14777486	wsnp_Ku_c16572_25480808	2.3	0.0	No
6A_3	16668429	wsnp_Ku_c20866_30535750	2.3	0.0	No
6A_3	60727385	wsnp_Ku_c7471_12865307	2.3	0.0	No
6A_3	37789321	wsnp_Ku_c7471_12865509	2.3	0.0	No
6A_3	38624464	wsnp_Ku_rep_c69659_69084797	2.3	0.0	No

6A_3	49687499	wsnp_Ku_rep_c69924_69422461	2.3	0.1	No
6A_3	38627474	Tdurum_contig61363_249	2.4	0.2	Yes
6A_3	29624478	tplb0042b08_1432	2.6	0.2	Yes
6A_3	54752441	BS00082191_51	2.7	0.4	Yes
6A_3	37639364	BS00009514_51	3.2	0.0	Yes
6A_3	59781508	RAC875_c35198_418	3.2	0.0	Yes
6A_3	16760367	BobWhite_c32973_167	3.2	0.0	Yes
6A_3	22778344	BobWhite_rep_c52979_181	3.2	0.0	No
6A_3	27759335	BS00030219_51	3.2	0.0	No
6A_3	19739360	BS00071573_51	3.2	0.0	No
6A_3	59673431	BS00093037_51	3.2	0.0	No
6A_3	30680486	D_GCE8AKX01D9GOJ_39	3.2	0.0	No
6A_3	44638443	Excalibur_c12085_276	3.2	0.0	No
6A_3	18707510	Excalibur_c15851_566	3.2	0.0	No
6A_3	69760331	Excalibur_c15851_590	3.2	0.0	No
6A_3	17637400	Excalibur_c21794_383	3.2	0.0	No
6A_3	31663508	Excalibur_c431_1130	3.2	0.0	No
6A_3	13756449	Excalibur_c4483_1053	3.2	0.0	No
6A_3	28796484	Excalibur_c89674_134	3.2	0.0	No
6A_3	62669444	Kukri_c21384_1872	3.2	0.0	No
6A_3	18645355	Kukri_c3827_337	3.2	0.0	No
6A_3	47646365	Kukri_c39873_66	3.2	0.0	No
6A_3	14671495	Kukri_c9049_202	3.2	0.0	No
6A_3	64659490	Ra_c22493_190	3.2	0.0	No
6A_3	19707376	Ra_c22558_437	3.2	0.0	No
6A_3	26714502	Ra_c8975_168	3.2	0.0	No
6A_3	31624383	RAC875_c13610_2646	3.2	0.0	No
6A_3	64628346	RAC875_c23241_844	3.2	0.0	No
6A_3	61608493	RAC875_c67999_295	3.2	0.0	No
6A_3	53715318	RAC875_c68978_220	3.2	0.0	No
6A_3	33789434	RAC875_c6916_860	3.2	0.0	No
6A_3	49670322	RAC875_rep_c105500_301	3.2	0.0	No
6A_3	36753351	RAC875_rep_c108136_115	3.2	0.0	No
6A_3	48798489	TA002540-0938	3.2	0.0	No
6A_3	21608320	TA005787-0140	3.2	0.0	No
6A_3	48627405	Tdurum_contig12045_613	3.2	0.0	No
6A_3	74772393	Tdurum_contig12045_868	3.2	0.0	No
6A_3	59626487	Tdurum_contig12749_284	3.2	0.0	No
6A_3	64695401	Tdurum_contig63703_1305	3.2	0.0	No
6A_3	49713311	Tdurum_contig8345_1460	3.2	0.0	No
6A_3	72722399	wsnp_Ku_c39334_47795461	3.2	0.0	No
6A_3	48681446	wsnp_Ra_c3996_7334169	3.2	0.6	No
6A_3	16697469	BS00081603_51	3.8	0.0	Yes
6A_3	66675498	RAC875_c16610_470	3.8	0.1	No

6A_3	63627352	BobWhite_rep_c65669_295	3.9	0.0	Yes
6A_3	67693457	BobWhite_rep_c65669_525	3.9	0.0	No
6A_3	63778390	Kukri_rep_c116677_306	3.9	0.0	No
6A_3	30799428	RFL_Contig2815_1764	3.9	0.0	No
6A_3	20747502	Tdurum_contig44853_1539	3.9	0.0	No
6A_3	21634385	wsnp_Ku_c26585_36553202	3.9	0.3	No
6A_3	60649412	BS00074429_51	4.2	0.0	Yes
6A_3	14650444	BS00076455_51	4.2	0.0	No
6A_3	20707360	BS00083630_51	4.2	0.0	No
6A_3	36696397	IAAV9150	4.2	0.0	No
6A_3	67730387	Kukri_c3009_1702	4.2	0.0	No
6A_3	31687303	Kukri_c3009_1822	4.2	0.0	No
6A_3	28640361	Kukri_rep_c105406_308	4.2	0.0	No
6A_3	37710307	RAC875_c4668_771	4.2	0.0	No
6A_3	54742495	RAC875_rep_c70001_263	4.2	0.0	No
6A_3	74707472	Tdurum_contig12749_255	4.2	0.0	No
6A_3	63657379	Tdurum_contig55193_347	4.2	0.0	No
6A_3	12737424	Tdurum_contig63703_1143	4.2	0.2	No
6A_3	wPt-9075	wPt-9075	4.4	0.1	Yes
6A_3	35758486	IACX11098	4.4	0.0	Yes
6A_3	38698499	BS00003786_51	4.4	0.0	Yes
6A_3	55751303	BS00083640_51	4.4	0.0	No
6A_3	70776317	BS00093317_51	4.4	0.0	No
6A_3	27603446	Ex_c16090_1157	4.4	0.0	No
6A_3	13603402	Excalibur_c27164_77	4.4	0.0	No
6A_3	42770457	Excalibur_c31801_752	4.4	0.0	No
6A_3	67764499	IAAV661	4.4	0.0	No
6A_3	23633462	Kukri_c143_1116	4.4	0.0	No
6A_3	27787509	Kukri_c3009_1374	4.4	0.0	No
6A_3	46746501	Kukri_c3009_157	4.4	0.0	No
6A_3	62769392	Kukri_c6285_190	4.4	0.0	No
6A_3	46702341	RFL_Contig5170_330	4.4	0.0	No
6A_3	18619403	Tdurum_contig12045_1230	4.4	0.0	No
6A_3	23642342	Tdurum_contig12045_246	4.4	0.0	No
6A_3	55792403	Tdurum_contig12045_327	4.4	0.0	No
6A_3	53728391	Tdurum_contig29878_59	4.4	0.0	No
6A_3	21690381	Tdurum_contig63703_1237	4.4	0.3	No
6A_3	43719439	IAAV8377	4.8	0.2	Yes
6A_3	41781404	BobWhite_c5092_422	5.0	0.0	Yes
6A_3	42639465	BS00022032_51	5.0	0.0	No
6A_3	42787319	BS00025560_51	5.0	0.0	No
6A_3	29758465	BS00030455_51	5.0	0.0	No
6A_3	32792374	BS00047085_51	5.0	0.0	No
6A_3	22732436	BS00064730_51	5.0	0.0	No

6A_3	65787459	BS00096853_51	5.0	0.0	No
6A_3	11604463	BS00098857_51	5.0	0.0	No
6A_3	32798333	BS00105910_51	5.0	0.0	No
6A_3	26746398	BS00105913_51	5.0	0.0	No
6A_3	64654340	CAP7_rep_c5315_221	5.0	0.0	No
6A_3	10724379	Ex_c2978_643	5.0	0.0	No
6A_3	46674508	Ex_c3530_106	5.0	0.0	No
6A_3	74657421	Excalibur_c32710_68	5.0	0.0	No
6A_3	41604302	Excalibur_c4202_1326	5.0	0.0	No
6A_3	45759509	Jagger_c9118_62	5.0	0.0	No
6A_3	50627510	Kukri_c16030_275	5.0	0.0	No
6A_3	47721361	Kukri_c25244_199	5.0	0.0	No
6A_3	26799419	Kukri_rep_c69659_71	5.0	0.0	No
6A_3	29626479	Ra_c4286_1000	5.0	0.0	No
6A_3	44623480	RAC875_c28122_475	5.0	0.0	No
6A_3	57631379	RAC875_rep_c97032_73	5.0	0.0	No
6A_3	47767438	Tdurum_contig10580_316	5.0	0.0	No
6A_3	28606470	Tdurum_contig29823_203	5.0	0.0	No
6A_3	43648417	Tdurum_contig45243_188	5.0	0.0	No
6A_3	17675413	Tdurum_contig56431_637	5.0	0.0	No
6A_3	35639332	Tdurum_contig8849_343	5.0	0.0	No
6A_3	65773443	wsnp_Ex_c3530_6459532	5.0	0.0	No
6A_3	15672408	wsnp_Ex_c3530_6459643	5.0	0.0	No
6A_3	24764396	wsnp_Ex_rep_c68165_66935014	5.0	0.0	No
6A_3	44619436	wsnp_Ex_rep_c68165_66935041	5.0	0.0	No
6A_3	39792333	wsnp_Ex_rep_c68165_66935148	5.0	0.0	No
6A_3	41652461	wsnp_JD_c7718_8795833	5.0	0.0	No
6A_3	24804448	wsnp_Ku_c38351_47009610	5.0	0.3	No
6A_3	44784388	BobWhite_c13779_636	5.3	0.0	Yes
6A_3	20779375	BobWhite_c15802_720	5.3	0.0	No
6A_3	36797447	BobWhite_c34318_375	5.3	0.0	No
6A_3	50661359	BobWhite_c6569_479	5.3	0.0	No
6A_3	12734505	BS00035056_51	5.3	0.0	No
6A_3	51646364	BS00035057_51	5.3	0.0	No
6A_3	52791356	BS00064485_51	5.3	0.0	No
6A_3	22649431	BS00067829_51	5.3	0.0	No
6A_3	11755368	CAP11_rep_c5191_192	5.3	0.0	No
6A_3	55697331	Excalibur_c18449_124	5.3	0.0	No
6A_3	72803504	Excalibur_c18449_304	5.3	0.0	No
6A_3	52790321	Excalibur_c38751_118	5.3	0.0	No
6A_3	62646459	Excalibur_c9048_1431	5.3	0.0	No
6A_3	65604340	Excalibur_c9779_465	5.3	0.0	No
6A_3	70646423	Kukri_c18361_614	5.3	0.0	No
6A_3	41659365	Kukri_c18361_650	5.3	0.0	No

6A_3	17800441	Kukri_c21443_482	5.3	0.0	No
6A_3	48732368	Kukri_c38982_165	5.3	0.0	No
6A_3	48732481	Kukri_c38982_555	5.3	0.0	No
6A_3	47786400	Kukri_c6364_1243	5.3	0.0	No
6A_3	51628387	Kukri_c7508_805	5.3	0.0	No
6A_3	34769390	Kukri_rep_c102263_1262	5.3	0.0	No
6A_3	50662372	Kukri_rep_c110681_178	5.3	0.0	No
6A_3	38724450	RAC875_c106584_747	5.3	0.0	No
6A_3	15685428	RAC875_c2145_92	5.3	0.0	No
6A_3	40626355	RAC875_c29816_75	5.3	0.0	No
6A_3	25749412	RAC875_c38876_642	5.3	0.0	No
6A_3	71652370	TA001326-1839	5.3	0.0	No
6A_3	70737320	Tdurum_contig54957_624	5.3	0.0	No
6A_3	10721322	wsnp_Ex_c52849_56297163	5.3	0.0	No
6A_3	29755387	wsnp_Ex_c9779_16145653	5.3	0.0	No
6A_3	18702464	wsnp_Ku_c20866_30535489	5.3	0.0	No
6A_3	12759300	wsnp_Ku_rep_c71785_71517370	5.3	0.0	No
6A_3	21693359	wsnp_Ra_rep_c79566_75592262	5.3	1.0	No
6A_3	wPt-7330	wPt-7330	6.3	0.0	Yes
6A_3	wPt-4016	wPt-4016	6.3	0.0	Yes
6A_3	wPt-3468	wPt-3468	6.3	0.0	Yes
6A_3	wPt-4017	wPt-4017	6.3	0.0	Yes
6A_3	wPt-5395	wPt-5395	6.3	0.0	Yes
6A_3	wPt-4270	wPt-4270	6.3	0.0	Yes
6A_3	wPt-0864	wPt-0864	6.4	0.0	Yes
6A_3	wPt-2636	wPt-2636	6.4	0.0	No
6A_3	wPt-6520	wPt-6520	6.4	0.0	No
6A_3	wPt-8006	wPt-8006	6.4	0.0	No
6A_3	wPt-7754	wPt-7754	6.4	0.4	No
6A_3	wPt-9280	wPt-9280	6.8	0.4	Yes
6A_3	wPt-1742	wPt-1742	7.2	0.3	Yes
6A_3	wPt-4589	wPt-4589	7.5	0.8	Yes
6A_3	tPt-0877	tPt-0877	8.4	0.0	Yes
6A_3	wPt-7663	wPt-7663	8.4	0.0	No
6A_3	wPt-8266	wPt-8266	8.4	0.0	No
6A_3	wPt-0689	wPt-0689	8.4	0.0	No
6A_3	tPt-2833	tPt-2833	8.4	0.0	No
6A_3	wPt-3524	wPt-3524	8.4	0.0	Yes
6A_3	wPt-7027	wPt-7027	8.4	0.0	Yes
6A_3	wPt-9679	wPt-9679	8.4	0.0	No
6A_3	wPt-6904	wPt-6904	8.4	0.7	Yes
6A_3	wPt-5652	wPt-5652	9.1	0.2	Yes
6A_3	wPt-7616	wPt-7616	9.3	0.8	Yes
6A_3	wPt-8443	wPt-8443	10.0	2.6	Yes

6A_3	32777499	RAC875_c23552_811	12.7	0.6	Yes
6A_3	39771370	RAC875_s119505_143	13.3		Yes
6B	wPt-3581	wPt-3581	0.0	2.8	Yes
6B	42655436	Tdurum_contig31036_96	2.8	1.1	Yes
6B	wPt-1730	wPt-1730	4.0	0.4	Yes
6B	33682420	BobWhite_c22827_193	4.4	0.0	Yes
6B	49682429	BobWhite_c6950_269	4.4	0.0	No
6B	22609391	BS00066253_51	4.4	0.0	No
6B	18697383	CAP7_c5075_412	4.4	0.0	No
6B	35689365	D_GBUVHFX02HQJ47_110	4.4	0.0	No
6B	43706306	Excalibur_c4084_408	4.4	0.0	No
6B	43616462	GENE-4204_311	4.4	0.0	No
6B	10756454	Kukri_c61680_247	4.4	0.0	No
6B	12612433	Tdurum_contig10567_644	4.4	0.0	No
6B	42717496	Tdurum_contig44825_307	4.4	0.0	No
6B	49713452	Tdurum_contig48727_691	4.4	0.0	No
6B	43782449	Tdurum_contig53125_1716	4.4	0.0	No
6B	60712486	Tdurum_contig57255_86	4.4	0.0	No
6B	58719458	Tdurum_contig74717_297	4.4	0.0	No
6B	72700385	Tdurum_contig74717_436	4.4	0.0	No
6B	68785408	Tdurum_contig81463_185	4.4	0.0	No
6B	34737496	Tdurum_contig94541_217	4.4	0.0	No
6B	29622408	wsnp_BE490200B_Ta_2_1	4.4	0.0	No
6B	63665503	wsnp_CAP11_c1432_806102	4.4	0.0	No
6B	65740407	wsnp_CAP11_c2485_1280612	4.4	0.0	No
6B	49639357	wsnp_Ex_c9750_16105678	4.4	1.4	No
6B	22761316	RAC875_c6355_1709	5.8	0.1	Yes
6B	23696355	Tdurum_contig83473_341	5.8	0.0	Yes
6B	67684483	IACX415	5.9	0.0	Yes
6B	50612308	Kukri_c65766_78	5.9	0.0	No
6B	49697457	Kukri_rep_c107419_372	5.9	0.0	No
6B	55634494	Tdurum_contig10499_1207	5.9	0.0	No
6B	54635322	Tdurum_contig45353_547	5.9	0.0	No
6B	73694315	Tdurum_contig47269_241	5.9	0.0	No
6B	33664399	Tdurum_contig47269_904	5.9	0.0	No
6B	48782392	Tdurum_contig54437_165	5.9	0.0	No
6B	54775367	Tdurum_contig54437_377	5.9	0.0	No
6B	59647454	Tdurum_contig55197_627	5.9	0.0	No
6B	16627333	Tdurum_contig55197_680	5.9	0.0	No
6B	67756473	Tdurum_contig55473_221	5.9	0.0	No
6B	70642366	Tdurum_contig55473_381	5.9	0.0	No
6B	72661306	Tdurum_contig55473_437	5.9	0.0	No
6B	17641414	Tdurum_contig76550_1161	5.9	0.0	No
6B	58749348	Tdurum_contig76550_1300	5.9	0.0	No

6B	34681326	Tdurum_contig76550_1364	5.9	0.0	No
6B	60803379	Tdurum_contig76550_500	5.9	0.0	No
6B	64712373	Tdurum_contig76550_723	5.9	0.0	No
6B	26754390	Tdurum_contig80294_434	5.9	0.0	No
6B	26755423	wsnp_Ku_c16522_25425455	5.9	4.6	No
6B	48678460	Excalibur_c21568_1462	10.5	0.0	Yes
6B	37735385	Excalibur_c21568_689	10.5	0.0	No
6B	23614356	Excalibur_rep_c69660_398	10.5	1.5	No
6B	19633332	Tdurum_contig29807_324	12.1	0.0	Yes
6B	12703471	Tdurum_contig48158_878	12.1	0.0	No
6B	44726410	Tdurum_contig9531_176	12.1	1.5	No
6B	14782481	BS00022192_51	13.6	0.0	Yes
6B	62674383	Tdurum_contig46965_1385	13.6	0.0	No
6B	66713326	Tdurum_contig69600_415	13.6	1.5	No
6B	22798303	Ex_c1145_552	15.0	0.0	Yes
6B	14661506	RAC875_c64560_111	15.0	0.0	No
6B	53623431	wsnp_Ex_c1145_2198295	15.0	1.5	No
6B	29648476	Tdurum_contig45370_704	16.6	0.0	Yes
6B	49753330	BobWhite_c27318_380	16.6	0.0	Yes
6B	47763417	BobWhite_c57109_169	16.6	0.0	No
6B	10659496	BobWhite_c8571_699	16.6	0.0	No
6B	47671404	BobWhite_rep_c63804_353	16.6	0.0	No
6B	27774428	BS00010676_51	16.6	0.0	No
6B	37706367	BS00049942_51	16.6	0.0	No
6B	67660491	Excalibur_c30793_77	16.6	0.0	No
6B	50798463	Excalibur_c6416_1712	16.6	0.0	No
6B	33679452	Excalibur_c90130_313	16.6	0.0	No
6B	47793335	GENE-0659_105	16.6	0.0	No
6B	27601454	GENE-4048_299	16.6	0.0	No
6B	66675434	GENE-4195_165	16.6	0.0	No
6B	58685491	Jagger_c6357_245	16.6	0.0	No
6B	30780455	Ku_c47744_1073	16.6	0.0	No
6B	57714443	Kukri_c22032_619	16.6	0.0	No
6B	44774447	Kukri_c63145_262	16.6	0.0	No
6B	74701467	Kukri_rep_c105243_341	16.6	0.0	No
6B	32615498	Ra_c26317_453	16.6	0.0	No
6B	33742314	RAC875_c26887_562	16.6	0.0	No
6B	45653325	RAC875_c63209_154	16.6	0.0	No
6B	49671400	TA005016-0827	16.6	0.0	No
6B	63646369	Tdurum_contig12089_821	16.6	0.0	No
6B	41685492	Tdurum_contig29294_171	16.6	0.0	No
6B	61620368	Tdurum_contig45370_324	16.6	0.0	No
6B	66697407	Tdurum_contig45370_808	16.6	0.0	No
6B	17710453	wsnp_Ex_c34011_42398362	16.6	0.0	No

6B	63653474	wsnp_Ex_c4180_7550457	16.6	1.5	No
6B	65780418	RAC875_c19649_848	18.1	0.0	Yes
6B	45763383	BobWhite_c23946_75	18.1	0.0	Yes
6B	63774466	BS00026203_51	18.1	0.0	No
6B	28745439	BS00056278_51	18.1	0.0	No
6B	44782446	BS00070668_51	18.1	0.0	No
6B	35758391	BS00071912_51	18.1	0.0	No
6B	36662332	BS00078932_51	18.1	0.0	No
6B	34804432	BS00080317_51	18.1	0.0	No
6B	57612502	BS00082760_51	18.1	0.0	No
6B	39705496	BS00095516_51	18.1	0.0	No
6B	34773309	BS00110920_51	18.1	0.0	No
6B	55607416	D_GBB4FNX01BO9N8_336	18.1	0.0	No
6B	28758408	Excalibur_c11726_1432	18.1	0.0	No
6B	32697505	Excalibur_c15870_1331	18.1	0.0	No
6B	63712503	Excalibur_c7823_397	18.1	0.0	No
6B	15665380	Excalibur_rep_c84475_162	18.1	0.0	No
6B	36770423	IAAV3811	18.1	0.0	No
6B	63626461	Jagger_c556_473	18.1	0.0	No
6B	16775430	JD_c2691_2946	18.1	0.0	No
6B	32731415	JD_c2691_2947	18.1	0.0	No
6B	13698358	Ku_c1189_1439	18.1	0.0	No
6B	31671358	Ku_c35629_568	18.1	0.0	No
6B	70703359	Kukri_c10200_286	18.1	0.0	No
6B	62772378	Kukri_c16877_142	18.1	0.0	No
6B	50694365	Kukri_c31481_1478	18.1	0.0	No
6B	52637402	Kukri_c55096_140	18.1	0.0	No
6B	40668488	Kukri_rep_c68962_1971	18.1	0.0	No
6B	12692444	Ra_c26497_381	18.1	0.0	No
6B	19740480	Ra_c44817_353	18.1	0.0	No
6B	35672405	RAC875_c32137_751	18.1	0.0	No
6B	44620312	RAC875_c34604_142	18.1	0.0	No
6B	51808373	RAC875_c7110_2706	18.1	0.0	No
6B	40704345	RAC875_c90029_92	18.1	0.0	No
6B	42718447	Tdurum_contig13162_61	18.1	0.0	No
6B	39708425	Tdurum_contig31386_195	18.1	0.0	No
6B	54623422	Tdurum_contig42194_1451	18.1	0.0	No
6B	37784476	Tdurum_contig51326_364	18.1	0.0	No
6B	22731476	Tdurum_contig58201_582	18.1	0.0	No
6B	40644462	Tdurum_contig71266_87	18.1	0.0	No
6B	11666303	Tdurum_contig92663_475	18.1	0.0	No
6B	67614403	wsnp_CAP12_rep_c3885_1758057	18.1	0.0	No
6B	18659468	wsnp_Ex_c1398_2676484	18.1	0.0	No
6B	73647470	wsnp_Ex_c1398_2677127	18.1	0.0	No

6B	66734340	wsnp_Ex_c16446_24946990	18.1	0.0	No
6B	31803462	wsnp_Ex_c23122_32350412	18.1	0.0	No
6B	73676346	wsnp_Ex_c3858_7011837	18.1	0.0	No
6B	33682316	wsnp_Ex_c44857_50804565	18.1	0.0	No
6B	74699447	wsnp_Ex_c5334_9427658	18.1	0.0	No
6B	44686392	wsnp_Ex_c8843_14783989	18.1	0.0	No
6B	55648423	wsnp_Ex_c9470_15701734	18.1	0.0	No
6B	66609348	wsnp_Ex_rep_c101703_87021883	18.1	0.0	No
6B	63732369	wsnp_Ex_rep_c103517_88455567	18.1	0.0	No
6B	52726500	wsnp_JD_c2691_3617481	18.1	0.0	No
6B	24739488	wsnp_JD_c5591_6743599	18.1	0.0	No
6B	61647369	wsnp_JD_c681_1014454	18.1	0.0	No
6B	30739440	wsnp_Ra_c11942_19247669	18.1	0.5	No
6B	28699343	Ra_c1485_2726	18.6	7.6	Yes
6B	65722506	BS00075406_51	26.2	0.0	Yes
6B	30721428	BobWhite_c10614_157	26.2	0.0	Yes
6B	36785379	BobWhite_c5418_82	26.2	0.0	No
6B	25775429	BS00028217_51	26.2	0.0	No
6B	12692394	BS00065174_51	26.2	0.0	No
6B	59790437	BS00088307_51	26.2	0.0	No
6B	61614400	Excalibur_c17241_388	26.2	0.0	No
6B	59601503	Excalibur_c22223_188	26.2	0.0	No
6B	52610317	Excalibur_c33724_303	26.2	0.0	No
6B	18711419	Excalibur_rep_c104880_102	26.2	0.0	No
6B	17752504	GENE-3171_203	26.2	0.0	No
6B	53756494	IAAV1673	26.2	0.0	No
6B	67806391	IACX11060	26.2	0.0	No
6B	29680477	JD_c5418_941	26.2	0.0	No
6B	10675375	Kukri_c21943_958	26.2	0.0	No
6B	20754468	Kukri_c3044_188	26.2	0.0	No
6B	25657327	Kukri_c5147_1856	26.2	0.0	No
6B	37655454	Kukri_c53345_583	26.2	0.0	No
6B	38748455	Kukri_c75566_265	26.2	0.0	No
6B	51612382	Kukri_rep_c117390_70	26.2	0.0	No
6B	15710458	RAC875_c11183_2580	26.2	0.0	No
6B	61808470	RAC875_c13949_923	26.2	0.0	No
6B	10702442	RAC875_c25902_594	26.2	0.0	No
6B	65678405	RAC875_c27207_380	26.2	0.0	No
6B	26803383	RAC875_c2730_620	26.2	0.0	No
6B	61810467	RAC875_c33609_246	26.2	0.0	No
6B	67791394	RAC875_c33609_381	26.2	0.0	No
6B	24772419	RAC875_c47717_388	26.2	0.0	No
6B	71798505	RAC875_c982_710	26.2	0.0	No
6B	15655394	RAC875_rep_c104354_333	26.2	0.0	No

6B	37795425	RAC875_rep_c111557_801	26.2	0.0	No
6B	66619465	RAC875_rep_c71306_1026	26.2	0.0	No
6B	37762396	RAC875_rep_c71306_97	26.2	0.0	No
6B	14714445	RAC875_rep_c75251_505	26.2	0.0	No
6B	11797329	Tdurum_contig29467_99	26.2	0.0	No
6B	22617493	Tdurum_contig32619_202	26.2	0.0	No
6B	30750475	Tdurum_contig42026_2552	26.2	0.0	No
6B	48733352	Tdurum_contig42557_78	26.2	0.0	No
6B	28660480	Tdurum_contig43119_297	26.2	0.0	No
6B	44780483	Tdurum_contig45714_427	26.2	0.0	No
6B	49790498	Tdurum_contig45714_546	26.2	0.0	No
6B	48618446	Tdurum_contig48689_514	26.2	0.0	No
6B	11681389	Tdurum_contig61970_499	26.2	0.0	No
6B	12658420	Tdurum_contig61970_627	26.2	0.0	No
6B	43625502	Tdurum_contig61970_835	26.2	0.0	No
6B	44719353	Tdurum_contig62040_1247	26.2	0.0	No
6B	23654411	Tdurum_contig62040_1487	26.2	0.0	No
6B	28609440	Tdurum_contig62040_1494	26.2	0.0	No
6B	26780416	Tdurum_contig62040_432	26.2	0.0	No
6B	53630321	Tdurum_contig62383_259	26.2	0.0	No
6B	52680441	Tdurum_contig75750_432	26.2	0.0	No
6B	38654375	Tdurum_contig8740_109	26.2	0.0	No
6B	30770497	Tdurum_contig98106_715	26.2	0.0	No
6B	23801417	wsnp_Ex_c17435_26144201	26.2	0.0	No
6B	71650454	wsnp_Ex_c19602_28584250	26.2	0.0	No
6B	16609435	wsnp_Ex_c30852_39718945	26.2	0.0	No
6B	28663414	wsnp_Ex_c3267_6026545	26.2	0.0	No
6B	39693395	wsnp_Ex_c3267_6026676	26.2	0.0	No
6B	70710343	wsnp_Ex_rep_c102159_87386822	26.2	0.0	No
6B	53702489	wsnp_Ex_rep_c102159_87387134	26.2	0.0	No
6B	38655340	wsnp_JD_c18284_16822042	26.2	0.0	No
6B	44671337	wsnp_Ku_c13325_21275440	26.2	0.0	No
6B	21721502	wsnp_Ku_c35839_44981841	26.2	0.0	No
6B	36722313	wsnp_Ra_c13949_21928888	26.2	0.0	No
6B	26662501	wsnp_Ra_c2730_5189836	26.2	0.0	No
6B	49702319	wsnp_Ra_c2730_5190076	26.2	0.0	No
6B	37631382	wsnp_Ra_c2730_5190365	26.2	1.4	No
6B	60669402	Tdurum_contig13901_55	27.6	0.0	Yes
6B	67662386	BS00022823_51	27.6	0.0	Yes
6B	55770342	BS00049843_51	27.6	0.0	No
6B	43710386	BS00064715_51	27.6	0.0	No
6B	10722403	BS00065680_51	27.6	0.0	No
6B	23668481	BS00067293_51	27.6	0.0	No
6B	17739327	CAP8_c1361_367	27.6	0.0	No

6B	25615359	GENE-0221_721	27.6	0.0	No
6B	30761392	Kukri_rep_c106450_71	27.6	0.0	No
6B	62630356	RAC875_c23251_864	27.6	0.0	No
6B	44721436	RAC875_c23812_187	27.6	0.0	No
6B	17670496	RAC875_c52426_90	27.6	0.0	No
6B	35715317	Tdurum_contig42930_481	27.6	0.0	No
6B	62609370	Tdurum_contig43872_549	27.6	0.0	No
6B	58664327	Tdurum_contig45478_1302	27.6	0.0	No
6B	19721465	Tdurum_contig48939_754	27.6	0.0	No
6B	61714456	Tdurum_contig49740_193	27.6	0.0	No
6B	30753454	Tdurum_contig5132_1261	27.6	0.0	No
6B	48623374	Tdurum_contig5486_1406	27.6	0.0	No
6B	46705327	Tdurum_contig5486_177	27.6	0.0	No
6B	64682350	Tdurum_contig56007_439	27.6	0.0	No
6B	24725446	Tdurum_contig58200_210	27.6	0.0	No
6B	57797347	Tdurum_contig62803_286	27.6	0.0	No
6B	49691328	Tdurum_contig64861_211	27.6	0.0	No
6B	15755437	Tdurum_contig9860_281	27.6	1.7	No
6B	wPt-8721	wPt-8721	29.3	11.9	Yes
6B	30800480	Tdurum_contig11641_1008	41.2	1.4	Yes
6B	tPt-2451	tPt-2451	42.6	0.2	Yes
6B	40757356	BobWhite_c23416_168	42.8	0.0	Yes
6B	23690480	Kukri_c102760_148	42.8	0.0	No
6B	13620485	Kukri_c54773_76	42.8	0.0	No
6B	34735447	Kukri_c61725_199	42.8	0.0	No
6B	17767380	Kukri_c61725_545	42.8	0.0	No
6B	29726372	Kukri_rep_c103613_253	42.8	0.0	No
6B	34692308	Kukri_rep_c104545_173	42.8	0.0	No
6B	44710316	Ra_c27159_181	42.8	0.0	No
6B	15764479	RAC875_c13920_747	42.8	0.0	No
6B	47640410	RAC875_c13920_836	42.8	0.0	No
6B	29658458	Tdurum_contig43092_876	42.8	0.0	No
6B	67659346	Tdurum_contig47020_1135	42.8	0.0	No
6B	43739343	Tdurum_contig47020_173	42.8	0.0	No
6B	46809442	Tdurum_contig47204_301	42.8	0.1	No
6B	wPt-3606	wPt-3606	42.9	0.4	Yes
6B	wPt-5333	wPt-5333	43.3	1.1	Yes
6B	wPt-3309	wPt-3309	44.3		Yes
7A_1	14675320	Ra_c12301_484	0.0	1.4	Yes
7A_1	37762375	Tdurum_contig49189_168	1.4	1.5	Yes
7A_1	36801417	Tdurum_contig41133_341	2.9	3.9	Yes
7A_1	wPt-1080	wPt-1080	6.8	0.9	Yes
7A_1	wPt-3373	wPt-3373	7.7	0.8	Yes
7A_1	wPt-4345	wPt-4345	8.5	0.1	Yes

7A_1	wPt-7076	wPt-7076	8.6	0.6	Yes
7A_1	wPt-0288	wPt-0288	9.2	0.1	Yes
7A_1	32730507	BobWhite_c6193_298	9.4	0.0	Yes
7A_1	60654318	BS00021769_51	9.4	0.0	No
7A_1	48639409	BS00022475_51	9.4	0.0	No
7A_1	23758435	BS00047690_51	9.4	0.0	No
7A_1	10750437	BS00076461_51	9.4	0.0	No
7A_1	44602419	BS00093895_51	9.4	0.0	No
7A_1	35691410	BS00093896_51	9.4	0.0	No
7A_1	47806463	CAP12_c6260_64	9.4	0.0	No
7A_1	42752500	Ex_c44379_2197	9.4	0.0	No
7A_1	51795477	GENE-4338_512	9.4	0.0	No
7A_1	66615477	IACX481	9.4	0.0	No
7A_1	25712455	JD_c6934_1038	9.4	0.0	No
7A_1	52768373	Ku_c62485_931	9.4	0.0	No
7A_1	39606507	Kukri_c16480_370	9.4	0.0	No
7A_1	20752401	Kukri_c2737_89	9.4	0.0	No
7A_1	49707325	Kukri_c484_1877	9.4	0.0	No
7A_1	53716382	Kukri_c63336_279	9.4	0.0	No
7A_1	63610449	Kukri_c63336_621	9.4	0.0	No
7A_1	36679474	Kukri_c6453_184	9.4	0.0	No
7A_1	28604303	Kukri_rep_c110838_253	9.4	0.0	No
7A_1	63774486	RAC875_c100339_541	9.4	0.0	No
7A_1	53638362	RAC875_c14386_600	9.4	0.0	No
7A_1	70643423	RAC875_c14386_822	9.4	0.0	No
7A_1	37699473	RAC875_c67063_703	9.4	0.0	No
7A_1	41733302	RAC875_c67063_984	9.4	0.0	No
7A_1	20805300	RAC875_rep_c111778_387	9.4	0.0	No
7A_1	12609403	RAC875_rep_c72596_466	9.4	0.0	No
7A_1	35665450	RAC875_rep_c76772_850	9.4	0.0	No
7A_1	31655416	TA001083-0602	9.4	0.0	No
7A_1	10619461	TA001398-1597	9.4	0.0	No
7A_1	24708364	TA003194-1513	9.4	0.0	No
7A_1	38800353	Tdurum_contig16839_284	9.4	0.0	No
7A_1	25668505	Tdurum_contig19352_76	9.4	0.0	No
7A_1	16796404	Tdurum_contig29796_109	9.4	0.0	No
7A_1	64628339	Tdurum_contig29796_126	9.4	0.0	No
7A_1	51759330	Tdurum_contig42661_202	9.4	0.0	No
7A_1	59720455	Tdurum_contig43052_3611	9.4	0.0	No
7A_1	26611309	Tdurum_contig43052_3851	9.4	0.0	No
7A_1	34679425	Tdurum_contig47443_361	9.4	0.0	No
7A_1	34708421	Tdurum_contig61653_126	9.4	0.0	No
7A_1	58736470	Tdurum_contig61653_358	9.4	0.0	No
7A_1	63761420	Tdurum_contig61653_802	9.4	0.0	No

7A_1	18784509	Tdurum_contig63598_188	9.4	0.0	No
7A_1	47709334	Tdurum_contig65261_244	9.4	0.0	No
7A_1	57706498	Tdurum_contig68236_437	9.4	0.0	No
7A_1	12628404	Tdurum_contig69247_268	9.4	0.0	No
7A_1	21726357	Tdurum_contig71271_261	9.4	0.1	No
7A_1	62788496	Tdurum_contig71875_247	9.4	0.1	Yes
7A_1	33703487	RAC875_c13093_86	9.5	0.7	Yes
7A_1	68757359	wsnp_CAP11_c1591_881161	10.2	0.0	Yes
7A_1	29686501	wsnp_JG_c227_167774	10.2	0.3	No
7A_1	67713317	BobWhite_c12159_729	10.5	0.0	Yes
7A_1	57676302	BS00040657_51	10.5	0.0	No
7A_1	49723304	D_GDRF1KQ02H7HJS_109	10.5	0.0	No
7A_1	17741470	Tdurum_contig46368_742	10.5	0.0	No
7A_1	72759483	Tdurum_contig60128_346	10.5	1.0	No
7A_1	44711484	BS00040929_51	11.5	0.0	Yes
7A_1	73604394	BS00079614_51	11.5	0.0	No
7A_1	63691345	Excalibur_c42993_561	11.5	0.0	No
7A_1	66660352	Excalibur_c60598_158	11.5	0.0	No
7A_1	41617397	Excalibur_c9488_702	11.5	0.0	No
7A_1	55640440	Excalibur_rep_c72139_187	11.5	0.0	No
7A_1	40644306	IACX9283	11.5	0.0	No
7A_1	22680504	Kukri_rep_c101532_104	11.5	0.0	No
7A_1	50628495	Kukri_rep_c101532_1046	11.5	0.0	No
7A_1	10720432	Tdurum_contig99143_205	11.5	2.5	No
7A_1	69780475	IAAV3449	14.0	0.3	Yes
7A_1	51661450	BS00023831_51	14.3	0.0	Yes
7A_1	46732425	BS00091101_51	14.3	0.0	No
7A_1	34701435	IAAV1069	14.3	0.0	No
7A_1	22785373	IAAV5054	14.3	0.0	No
7A_1	42653396	IAAV5058	14.3	0.0	No
7A_1	38643374	Kukri_c31596_412	14.3	0.0	No
7A_1	10737401	Kukri_c31596_630	14.3	0.0	No
7A_1	54603320	Kukri_c31596_818	14.3	0.0	No
7A_1	18669388	Kukri_c31596_872	14.3	0.0	No
7A_1	69768359	Kukri_rep_c101286_390	14.3	0.0	No
7A_1	46686445	Kukri_rep_c105330_552	14.3	0.0	No
7A_1	30728411	Kukri_rep_c75743_357	14.3	0.0	No
7A_1	29803430	RAC875_c7019_754	14.3	0.0	No
7A_1	18687376	RAC875_c81356_645	14.3	0.0	No
7A_1	25648333	RAC875_c81356_688	14.3	0.0	No
7A_1	16642302	Tdurum_contig51189_574	14.3	0.0	No
7A_1	67761368	wsnp_Ku_rep_c71755_71490557	14.3	2.6	No
7A_1	29612382	Tdurum_contig98197_73	16.9	0.5	Yes
7A_1	29753417	BS00022369_51	17.4	0.0	Yes

7A_1	74765358	BS00049729_51	17.4	0.0	No
7A_1	57617320	Tdurum_contig24133_438	17.4	0.0	No
7A_1	16768305	Tdurum_contig51089_1066	17.4	0.0	No
7A_1	65654482	wsnp_BE498209A_Ta_2_1	17.4	0.8	No
7A_1	39805473	Tdurum_contig42011_1051	18.1	0.0	Yes
7A_1	71708499	wsnp_be471272A_Ta_2_1	18.1	0.0	No
7A_1	34789460	wsnp_Ra_c250_526345	18.1	0.3	No
7A_1	47657427	BobWhite_c19875_271	18.4	0.0	Yes
7A_1	31606311	BobWhite_c20374_162	18.4	0.0	No
7A_1	62731319	BobWhite_c23146_84	18.4	0.0	No
7A_1	32645421	BobWhite_c24259_117	18.4	0.0	No
7A_1	48743407	BobWhite_c47716_503	18.4	0.0	No
7A_1	44755510	BobWhite_rep_c49547_310	18.4	0.0	No
7A_1	73779497	BobWhite_rep_c66337_650	18.4	0.0	No
7A_1	65763389	BS00021936_51	18.4	0.0	No
7A_1	37801450	BS00035678_51	18.4	0.0	No
7A_1	63705367	BS00036422_51	18.4	0.0	No
7A_1	49673509	BS00040156_51	18.4	0.0	No
7A_1	11778504	BS00063383_51	18.4	0.0	No
7A_1	12759466	BS00063673_51	18.4	0.0	No
7A_1	44781350	BS00063933_51	18.4	0.0	No
7A_1	42667388	BS00064189_51	18.4	0.0	No
7A_1	28615453	BS00065127_51	18.4	0.0	No
7A_1	40767474	BS00065346_51	18.4	0.0	No
7A_1	23707427	BS00065647_51	18.4	0.0	No
7A_1	44681385	BS00066045_51	18.4	0.0	No
7A_1	70669316	BS00066536_51	18.4	0.0	No
7A_1	46804303	BS00066695_51	18.4	0.0	No
7A_1	52685506	BS00067030_51	18.4	0.0	No
7A_1	61680406	BS00067200_51	18.4	0.0	No
7A_1	61749439	BS00067759_51	18.4	0.0	No
7A_1	61624378	BS00068510_51	18.4	0.0	No
7A_1	16731333	BS00073125_51	18.4	0.0	No
7A_1	36659329	BS00077560_51	18.4	0.0	No
7A_1	27673474	BS00077955_51	18.4	0.0	No
7A_1	29779351	BS00078522_51	18.4	0.0	No
7A_1	40606318	BS00079590_51	18.4	0.0	No
7A_1	37603466	BS00079591_51	18.4	0.0	No
7A_1	33781373	Ex_c13716_356	18.4	0.0	No
7A_1	18808428	Ex_c21222_313	18.4	0.0	No
7A_1	24646382	Ex_c37521_670	18.4	0.0	No
7A_1	29686364	Ex_c38707_1039	18.4	0.0	No
7A_1	32760332	Ex_c41740_166	18.4	0.0	No
7A_1	56741498	Ex_c52578_44	18.4	0.0	No

7A_1	54611373	Ex_c6348_1205	18.4	0.0	No
7A_1	65717455	Ex_c68102_201	18.4	0.0	No
7A_1	74793397	Ex_c7569_919	18.4	0.0	No
7A_1	23757355	Excalibur_c1247_306	18.4	0.0	No
7A_1	19730490	Excalibur_c15904_1331	18.4	0.0	No
7A_1	39691323	Excalibur_c16401_1664	18.4	0.0	No
7A_1	14630466	Excalibur_c20450_230	18.4	0.0	No
7A_1	45601393	Excalibur_c26782_423	18.4	0.0	No
7A_1	25617395	Excalibur_c34091_311	18.4	0.0	No
7A_1	28604388	Excalibur_c37700_1016	18.4	0.0	No
7A_1	63783312	Excalibur_c6806_213	18.4	0.0	No
7A_1	14781400	Excalibur_c7415_148	18.4	0.0	No
7A_1	69712500	Excalibur_rep_c106162_519	18.4	0.0	No
7A_1	61705450	Excalibur_rep_c67182_584	18.4	0.0	No
7A_1	32713460	Excalibur_rep_c67835_488	18.4	0.0	No
7A_1	33657481	Excalibur_rep_c81365_214	18.4	0.0	No
7A_1	72699471	GENE-4508_109	18.4	0.0	No
7A_1	41657342	IAAV222	18.4	0.0	No
7A_1	66767452	IAAV4430	18.4	0.0	No
7A_1	32682413	IAAV8611	18.4	0.0	No
7A_1	63681301	Ku_c2205_1317	18.4	0.0	No
7A_1	49702503	Ku_c307_1994	18.4	0.0	No
7A_1	63654466	Ku_c307_653	18.4	0.0	No
7A_1	42650509	Ku_c3251_1103	18.4	0.0	No
7A_1	43732418	Kukri_c108278_520	18.4	0.0	No
7A_1	11678479	Kukri_c14150_109	18.4	0.0	No
7A_1	58626412	Kukri_c18365_943	18.4	0.0	No
7A_1	18699389	Kukri_c27326_260	18.4	0.0	No
7A_1	28614396	Kukri_c3407_1165	18.4	0.0	No
7A_1	29721334	Kukri_c45895_132	18.4	0.0	No
7A_1	71748450	Kukri_rep_c68087_688	18.4	0.0	No
7A_1	23659418	Kukri_rep_c73018_94	18.4	0.0	No
7A_1	45680438	Kukri_rep_c85030_287	18.4	0.0	No
7A_1	38703382	Ra_c1333_616	18.4	0.0	No
7A_1	32748316	Ra_c19230_1446	18.4	0.0	No
7A_1	64705397	Ra_c19726_1206	18.4	0.0	No
7A_1	28778510	Ra_c25852_308	18.4	0.0	No
7A_1	41656506	Ra_c29645_476	18.4	0.0	No
7A_1	66695329	Ra_c32338_220	18.4	0.0	No
7A_1	71749316	Ra_c3705_2101	18.4	0.0	No
7A_1	23781368	Ra_c40378_557	18.4	0.0	No
7A_1	42788455	Ra_c40942_331	18.4	0.0	No
7A_1	74736348	Ra_c44368_354	18.4	0.0	No
7A_1	31607384	Ra_c5251_2533	18.4	0.0	No

7A_1	12646495	Ra_c64159_441	18.4	0.0	No
7A_1	55663334	Ra_c64159_480	18.4	0.0	No
7A_1	70609381	Ra_c66215_1118	18.4	0.0	No
7A_1	38786347	Ra_c6845_1501	18.4	0.0	No
7A_1	54627330	Ra_c8425_1331	18.4	0.0	No
7A_1	32645445	Ra_c9151_404	18.4	0.0	No
7A_1	63659394	Ra_c9151_770	18.4	0.0	No
7A_1	72623447	RAC875_c10054_2066	18.4	0.0	No
7A_1	31775408	RAC875_c109483_523	18.4	0.0	No
7A_1	37657464	RAC875_c16624_970	18.4	0.0	No
7A_1	55680481	RAC875_c16641_411	18.4	0.0	No
7A_1	56677358	RAC875_c1817_950	18.4	0.0	No
7A_1	19699408	RAC875_c23581_105	18.4	0.0	No
7A_1	18742476	RAC875_c25834_506	18.4	0.0	No
7A_1	48626427	RAC875_c29533_594	18.4	0.0	No
7A_1	49706346	RAC875_c37071_73	18.4	0.0	No
7A_1	50611398	RAC875_c37565_396	18.4	0.0	No
7A_1	34677363	RAC875_c42827_140	18.4	0.0	No
7A_1	13649311	RAC875_c52232_196	18.4	0.0	No
7A_1	49718509	RAC875_c53177_101	18.4	0.0	No
7A_1	22772386	RAC875_c58527_91	18.4	0.0	No
7A_1	50785318	RAC875_c58560_526	18.4	0.0	No
7A_1	26677306	RAC875_c61210_285	18.4	0.0	No
7A_1	13757465	RAC875_c62895_300	18.4	0.0	No
7A_1	66660413	RAC875_c64450_145	18.4	0.0	No
7A_1	66789476	RAC875_c7138_264	18.4	0.0	No
7A_1	59610406	RAC875_c75858_184	18.4	0.0	No
7A_1	46602338	RAC875_c7862_1205	18.4	0.0	No
7A_1	49669510	RAC875_c84991_191	18.4	0.0	No
7A_1	72709390	RAC875_rep_c105853_75	18.4	0.0	No
7A_1	17627406	RAC875_rep_c111703_561	18.4	0.0	No
7A_1	20668450	RAC875_rep_c116752_107	18.4	0.0	No
7A_1	13727322	RAC875_rep_c70756_1009	18.4	0.0	No
7A_1	71724447	RAC875_rep_c73101_689	18.4	0.0	No
7A_1	22654392	RAC875_rep_c73101_932	18.4	0.0	No
7A_1	41644383	RAC875_rep_c81362_344	18.4	0.0	No
7A_1	33615488	RFL_Contig5478_741	18.4	0.0	No
7A_1	14803360	TA001739-1268	18.4	0.0	No
7A_1	39805366	TA002502-2086	18.4	0.0	No
7A_1	26697472	TA006055-0231	18.4	0.0	No
7A_1	74762386	Tdurum_contig10174_155	18.4	0.0	No
7A_1	19704391	Tdurum_contig11542_452	18.4	0.0	No
7A_1	51691508	Tdurum_contig11542_548	18.4	0.0	No
7A_1	14699327	Tdurum_contig11862_341	18.4	0.0	No

7A_1	49773438	Tdurum_contig12156_160	18.4	0.0	No
7A_1	56698469	Tdurum_contig28838_226	18.4	0.0	No
7A_1	16615451	Tdurum_contig28843_80	18.4	0.0	No
7A_1	48810507	Tdurum_contig29988_148	18.4	0.0	No
7A_1	73692312	Tdurum_contig30504_205	18.4	0.0	No
7A_1	33672493	Tdurum_contig31407_132	18.4	0.0	No
7A_1	18644452	Tdurum_contig42547_1197	18.4	0.0	No
7A_1	28791430	Tdurum_contig49723_593	18.4	0.0	No
7A_1	52738484	Tdurum_contig5799_773	18.4	0.0	No
7A_1	57706493	Tdurum_contig59908_400	18.4	0.0	No
7A_1	47730333	Tdurum_contig62237_531	18.4	0.0	No
7A_1	33662342	Tdurum_contig70105_162	18.4	0.0	No
7A_1	49630404	Tdurum_contig76441_240	18.4	0.0	No
7A_1	36674480	wsnp_BE405483A_Ta_1_1	18.4	0.0	No
7A_1	67723439	wsnp_CAP11_c592_400447	18.4	0.0	No
7A_1	37603314	wsnp_Ex_c10094_16590615	18.4	0.0	No
7A_1	54764493	wsnp_Ex_c10094_16590746	18.4	0.0	No
7A_1	13623361	wsnp_Ex_c10988_17836981	18.4	0.0	No
7A_1	12606304	wsnp_Ex_c11228_18162713	18.4	0.0	No
7A_1	56609510	wsnp_Ex_c11350_18330527	18.4	0.0	No
7A_1	64626417	wsnp_Ex_c1247_2397552	18.4	0.0	No
7A_1	18738380	wsnp_Ex_c14173_22107343	18.4	0.0	No
7A_1	74640464	wsnp_Ex_c19198_28115812	18.4	0.0	No
7A_1	29683369	wsnp_Ex_c19262_28188808	18.4	0.0	No
7A_1	46768335	wsnp_Ex_c23156_32391014	18.4	0.0	No
7A_1	46677415	wsnp_Ex_c25188_34454616	18.4	0.0	No
7A_1	61634405	wsnp_Ex_c26560_35803210	18.4	0.0	No
7A_1	62699467	wsnp_Ex_c3456_6336435	18.4	0.0	No
7A_1	31607307	wsnp_Ex_c36591_44511294	18.4	0.0	No
7A_1	48611367	wsnp_Ex_c398_784427	18.4	0.0	No
7A_1	61613481	wsnp_Ex_c398_784645	18.4	0.0	No
7A_1	29754429	wsnp_Ex_c40666_47674310	18.4	0.0	No
7A_1	63705395	wsnp_Ex_c43292_49653827	18.4	0.0	No
7A_1	71663478	wsnp_Ex_c461_907742	18.4	0.0	No
7A_1	50741339	wsnp_Ex_c4819_8600618	18.4	0.0	No
7A_1	23613341	wsnp_Ex_c5025_8932208	18.4	0.0	No
7A_1	30688390	wsnp_Ex_c5330_9422106	18.4	0.0	No
7A_1	71672486	wsnp_Ex_c6797_11731807	18.4	0.0	No
7A_1	40715305	wsnp_Ex_c6797_11732168	18.4	0.0	No
7A_1	27780424	wsnp_Ex_c8615_14454633	18.4	0.0	No
7A_1	42657318	wsnp_Ex_rep_c102317_87512660	18.4	0.0	No
7A_1	14743344	wsnp_Ex_rep_c105174_89674370	18.4	0.0	No
7A_1	61733474	wsnp_Ex_rep_c68227_67012082	18.4	0.0	No
7A_1	60764426	wsnp_Ex_rep_c69132_68043811	18.4	0.0	No

7A_1	21748303	wsnp_Ex_rep_c70294_69236911	18.4	0.0	No
7A_1	34628499	wsnp_Ex_rep_c70294_69237001	18.4	0.0	No
7A_1	42680387	wsnp_Ex_rep_c70629_69539466	18.4	0.0	No
7A_1	14684475	wsnp_Ex_rep_c71217_70021470	18.4	0.0	No
7A_1	43788462	wsnp_JD_c6050_7214383	18.4	0.0	No
7A_1	35713391	wsnp_JD_c7987_9038994	18.4	0.0	No
7A_1	71710504	wsnp_Ku_c48323_54539687	18.4	0.0	No
7A_1	56602455	wsnp_Ku_rep_c70256_69818445	18.4	0.0	No
7A_1	73702407	wsnp_Ra_c109483_92428320	18.4	0.0	No
7A_1	31657384	wsnp_Ra_c12708_20281439	18.4	0.0	No
7A_1	73630380	wsnp_Ra_c13009_20690735	18.4	0.0	No
7A_1	72623371	wsnp_Ra_c20371_29633358	18.4	0.0	No
7A_1	37680365	wsnp_Ra_c25918_35485125	18.4	0.0	No
7A_1	14649399	wsnp_Ra_c428_904568	18.4	0.0	No
7A_1	63682330	wsnp_Ra_c5251_9356517	18.4	0.0	No
7A_1	57630475	wsnp_Ra_c75858_73254602	18.4	0.0	No
7A_1	71672303	wsnp_Ra_rep_c70756_68674560	18.4	0.0	No
7A_1	17758334	wsnp_Ra_rep_c70756_68675384	18.4	0.0	No
7A_1	58638360	Jagger_c7141_114	18.4	1.1	Yes
7A_1	23690438	BS00015354_51	19.6	0.0	Yes
7A_1	40733392	BS00080365_51	19.6	0.0	No
7A_1	56678371	IAAV6170	19.6	0.0	No
7A_1	26736427	Kukri_c53985_59	19.6	0.0	No
7A_1	71763460	Kukri_c64283_212	19.6	0.0	No
7A_1	20756442	Ra_c41488_398	19.6	0.0	No
7A_1	28810431	Tdurum_contig42093_1170	19.6	0.0	No
7A_1	11684333	Tdurum_contig48442_645	19.6	0.0	No
7A_1	46754481	wsnp_Ex_c11417_18429357	19.6	0.0	No
7A_1	15790457	wsnp_Ex_c13721_21532196	19.6	0.0	No
7A_1	74618364	wsnp_Ex_c45495_51274052	19.6	0.0	No
7A_1	52786474	wsnp_Ex_c4996_8885500	19.6	0.0	No
7A_1	74739376	wsnp_Ku_c2958_5561339	19.6	0.0	No
7A_1	43761461	wsnp_Ra_c1303_2598907	19.6	0.0	No
7A_1	19665396	wsnp_Ra_rep_c104968_88985755	19.6	0.6	No
7A_1	34662478	BS00062829_51	20.2	0.0	Yes
7A_1	62741420	BS00076743_51	20.2	0.0	No
7A_1	18709483	TA003505-0833	20.2	4.3	No
7A_1	69790408	Tdurum_contig17697_675	24.6	6.6	Yes
7A_1	70627418	RAC875_c13300_139	31.2	0.0	Yes
7A_1	31675319	wsnp_Ex_c2277_4267788	31.2	0.0	No
7A_1	64684429	wsnp_Ra_c7969_13600474	31.2	1.2	No
7A_1	33653416	Ra_c31466_694	32.4	0.2	Yes
7A_1	56630325	Ra_c1227_2718	32.5	0.0	Yes
7A_1	10685326	BobWhite_c17095_237	32.6	0.0	Yes

7A_1	19759350	BS00002491_51	32.6	0.0	No
7A_1	42712499	BS00021659_51	32.6	0.0	No
7A_1	30798434	BS00021924_51	32.6	0.0	No
7A_1	60703315	BS00044260_51	32.6	0.0	No
7A_1	38655318	BS00059928_51	32.6	0.0	No
7A_1	73650317	BS00078324_51	32.6	0.0	No
7A_1	34767427	BS00092631_51	32.6	0.0	No
7A_1	14648489	BS00109319_51	32.6	0.0	No
7A_1	22757443	CAP7_c1522_255	32.6	0.0	No
7A_1	52765333	Ex_c7833_486	32.6	0.0	No
7A_1	47664380	Excalibur_c12996_775	32.6	0.0	No
7A_1	69677402	Excalibur_c1884_548	32.6	0.0	No
7A_1	44773413	Excalibur_c2359_1511	32.6	0.0	No
7A_1	31804445	Excalibur_c47990_159	32.6	0.0	No
7A_1	30751404	Excalibur_c53632_204	32.6	0.0	No
7A_1	26606348	Excalibur_c96483_102	32.6	0.0	No
7A_1	65681395	Excalibur_c96483_520	32.6	0.0	No
7A_1	25611435	GENE-4270_242	32.6	0.0	No
7A_1	14787339	GENE-4981_53	32.6	0.0	No
7A_1	73725379	IAAV3025	32.6	0.0	No
7A_1	49633401	IAAV3027	32.6	0.0	No
7A_1	55653427	IAAV3305	32.6	0.0	No
7A_1	42610408	IAAV491	32.6	0.0	No
7A_1	37800425	IAAV6180	32.6	0.0	No
7A_1	39776508	IAAV6597	32.6	0.0	No
7A_1	16730501	IACX2907	32.6	0.0	No
7A_1	48722390	Jagger_c8331_69	32.6	0.0	No
7A_1	38708356	Ku_c29856_132	32.6	0.0	No
7A_1	73688454	Ku_c5901_1487	32.6	0.0	No
7A_1	64649477	Kukri_c16922_106	32.6	0.0	No
7A_1	67749392	Kukri_c47141_54	32.6	0.0	No
7A_1	47778312	Kukri_c47141_79	32.6	0.0	No
7A_1	10603482	Kukri_c58950_69	32.6	0.0	No
7A_1	41700442	Kukri_c6676_172	32.6	0.0	No
7A_1	71625306	Kukri_c84323_432	32.6	0.0	No
7A_1	47608430	Kukri_rep_c101625_94	32.6	0.0	No
7A_1	12795333	Kukri_rep_c105999_572	32.6	0.0	No
7A_1	15604369	Ra_c104959_422	32.6	0.0	No
7A_1	28671465	Ra_c4601_2417	32.6	0.0	No
7A_1	46732365	Ra_c72413_1987	32.6	0.0	No
7A_1	57704330	RAC875_c1227_1098	32.6	0.0	No
7A_1	19720392	RAC875_c1227_1471	32.6	0.0	No
7A_1	29722339	RAC875_c16287_699	32.6	0.0	No
7A_1	20636491	RAC875_c16287_726	32.6	0.0	No

7A_1	37735355	RAC875_rep_c104959_434	32.6	0.0	No
7A_1	62702424	RAC875_rep_c105182_460	32.6	0.0	No
7A_1	31740461	RFL_Contig1433_929	32.6	0.0	No
7A_1	71612422	TA005578-0927	32.6	0.0	No
7A_1	49803369	TA016532-0794	32.6	0.0	No
7A_1	22771317	Tdurum_contig12326_232	32.6	0.0	No
7A_1	29733365	Tdurum_contig22364_380	32.6	0.0	No
7A_1	38794315	Tdurum_contig22364_523	32.6	0.0	No
7A_1	61712372	Tdurum_contig22364_580	32.6	0.0	No
7A_1	57726445	Tdurum_contig45680_434	32.6	0.0	No
7A_1	12681302	Tdurum_contig46611_1061	32.6	0.0	No
7A_1	53656372	Tdurum_contig46611_263	32.6	0.0	No
7A_1	66798469	Tdurum_contig56144_277	32.6	0.0	No
7A_1	56662461	Tdurum_contig56144_369	32.6	0.0	No
7A_1	61699353	Tdurum_contig58312_119	32.6	0.0	No
7A_1	64678346	Tdurum_contig62357_527	32.6	0.0	No
7A_1	54635350	wsnp_CAP11_c1761_958064	32.6	0.0	No
7A_1	17710454	wsnp_CAP11_c78_114341	32.6	0.0	No
7A_1	53707323	wsnp_CAP11_c827_513472	32.6	0.0	No
7A_1	42695384	wsnp_CAP12_c1461_744121	32.6	0.0	No
7A_1	72712390	wsnp_CAP7_c949_486485	32.6	0.0	No
7A_1	62767504	wsnp_Ex_c1146_2200823	32.6	0.0	No
7A_1	35798454	wsnp_Ex_c1146_2201722	32.6	0.0	No
7A_1	21784398	wsnp_Ex_c1482_2834254	32.6	0.0	No
7A_1	52746345	wsnp_Ex_c15734_24087394	32.6	0.0	No
7A_1	23728422	wsnp_Ex_c19005_27918129	32.6	0.0	No
7A_1	51718399	wsnp_Ex_c19214_28132186	32.6	0.0	No
7A_1	40710498	wsnp_Ex_c1924_3630249	32.6	0.0	No
7A_1	44694363	wsnp_Ex_c1924_3630519	32.6	0.0	No
7A_1	44670459	wsnp_Ex_c19582_28564743	32.6	0.0	No
7A_1	67741472	wsnp_Ex_c26509_35755018	32.6	0.0	No
7A_1	39619309	wsnp_Ex_c38326_45883440	32.6	0.0	No
7A_1	62763384	wsnp_Ex_c451_885212	32.6	0.0	No
7A_1	13631349	wsnp_Ex_c4883_8705816	32.6	0.0	No
7A_1	57772414	wsnp_Ex_c49880_54354165	32.6	0.0	No
7A_1	13762345	wsnp_Ex_c6059_10615895	32.6	0.0	No
7A_1	42605337	wsnp_Ex_c7397_12674744	32.6	0.0	No
7A_1	12787450	wsnp_Ex_c7833_13327323	32.6	0.0	No
7A_1	71699311	wsnp_Ex_c8614_14453388	32.6	0.0	No
7A_1	20689405	wsnp_Ex_c9982_16429661	32.6	0.0	No
7A_1	46689505	wsnp_Ex_rep_c68405_67220227	32.6	0.0	No
7A_1	24713410	wsnp_Ex_rep_c68405_67220388	32.6	0.0	No
7A_1	17625411	wsnp_Ku_c10202_16937059	32.6	0.0	No
7A_1	17774356	wsnp_Ku_c34643_43968242	32.6	0.0	No

7A_1	40601356	wsnp_Ra_c16287_24904962	32.6	0.0	No
7A_1	32770453	wsnp_Ra_c16287_24905062	32.6	0.0	No
7A_1	55659327	wsnp_Ra_c23285_32795964	32.6	0.0	No
7A_1	53718451	wsnp_Ra_c40910_48252997	32.6	0.0	No
7A_1	29672496	wsnp_Ra_rep_c105182_89171265	32.6	0.0	No
7A_1	23725497	wsnp_Ra_rep_c105182_89171305	32.6	0.0	No
7A_1	68614361	wsnp_RFL_Contig1510_707132	32.6	1.3	No
7A_1	15603459	Tdurum_contig27847_579	33.9	0.0	Yes
7A_1	33614410	Tdurum_contig93258_281	33.9	2.4	No
7A_1	33627313	Ku_c29856_174	36.2	14.1	Yes
7A_1	35763461	BS00066295_51	50.3	0.0	Yes
7A_1	47626370	BS00066296_51	50.3	0.0	No
7A_1	43665449	Tdurum_contig8615_230	50.3	0.0	No
7A_1	20796325	Tdurum_contig8615_370	50.3	0.0	No
7A_1	61714363	Tdurum_contig8615_683	50.3	0.0	No
7A_1	69802346	wsnp_CAP11_c2435_1256981	50.3	4.0	No
7A_1	35645352	BS00071478_51	54.3	0.5	Yes
7A_1	14737379	BobWhite_c12302_368	54.8	0.0	Yes
7A_1	69639443	BobWhite_c15352_394	54.8	0.0	No
7A_1	49633328	BS00009838_51	54.8	0.0	No
7A_1	55636416	BS00009926_51	54.8	0.0	No
7A_1	30715420	BS00021261_51	54.8	0.0	No
7A_1	48689415	BS00067425_51	54.8	0.0	No
7A_1	33647434	BS00067610_51	54.8	0.0	No
7A_1	55645428	BS00068562_51	54.8	0.0	No
7A_1	53792429	BS00088825_51	54.8	0.0	No
7A_1	33798311	BS00094965_51	54.8	0.0	No
7A_1	35614403	Excalibur_c71066_78	54.8	0.0	No
7A_1	16622383	IACX2471	54.8	0.0	No
7A_1	14778505	Kukri_c57086_133	54.8	0.0	No
7A_1	72788475	Ra_c14761_1468	54.8	0.0	No
7A_1	35662343	RAC875_c37085_317	54.8	0.0	No
7A_1	52672441	RAC875_c41659_794	54.8	0.0	No
7A_1	25772445	RAC875_c43295_135	54.8	0.0	No
7A_1	34754377	RAC875_c56692_170	54.8	0.0	No
7A_1	70732301	Tdurum_contig41918_666	54.8	0.0	No
7A_1	65698391	Tdurum_contig42954_1081	54.8	0.0	No
7A_1	57691399	Tdurum_contig42954_657	54.8	0.0	No
7A_1	22660401	Tdurum_contig69067_287	54.8	0.0	No
7A_1	22696409	Tdurum_contig69067_405	54.8	0.0	No
7A_1	54761481	wsnp_Ku_c21665_31431143	54.8	0.0	No
7A_1	17632507	wsnp_Ku_c42539_50247597	54.8	0.0	No
7A_1	66692413	wsnp_Ex_c1309_2502521	54.8		Yes
7A_2	60749472	Tdurum_contig955_254	0.0	13.6	Yes

7A_2	13617450	Kukri_rep_c101374_298	13.6	0.0	Yes
7A_2	27643398	Tdurum_contig85217_206	13.6	0.0	No
7A_2	22801377	Tdurum_contig85217_286	13.6	1.5	No
7A_2	62751412	BS00069242_51	15.1	0.0	Yes
7A_2	46801361	wsnp_CAP11_rep_c4066_1921894	15.1		No
7A_3	48713451	BS00110256_51	0.0	0.0	Yes
7A_3	28636390	BS00002510_51	0.0	0.0	Yes
7A_3	10720428	BS00062611_51	0.0	0.0	No
7A_3	62771430	BS00064413_51	0.0	0.0	No
7A_3	10723468	BS00076120_51	0.0	0.0	No
7A_3	74635481	Ex_c23405_470	0.0	0.0	No
7A_3	56686307	Ex_c499_767	0.0	0.0	No
7A_3	10651313	Excalibur_c34189_122	0.0	0.0	No
7A_3	26794374	Excalibur_c46453_144	0.0	0.0	No
7A_3	65724482	IAAV2968	0.0	0.0	No
7A_3	66804507	Ku_c10243_855	0.0	0.0	No
7A_3	41687337	Kukri_c17839_484	0.0	0.0	No
7A_3	29690496	Kukri_c33620_129	0.0	0.0	No
7A_3	62740447	Kukri_c9728_1171	0.0	0.0	No
7A_3	37725373	RAC875_c57584_240	0.0	0.0	No
7A_3	60626350	Tdurum_contig12454_585	0.0	0.0	No
7A_3	44661448	Tdurum_contig59633_56	0.0	0.0	No
7A_3	27679420	Tdurum_contig93328_869	0.0	0.0	No
7A_3	48783358	Tdurum_contig97505_172	0.0	0.0	No
7A_3	45667376	wsnp_Ex_c53387_56639949	0.0	0.0	No
7A_3	54755386	wsnp_Ex_c53387_56641291	0.0	1.5	No
7A_3	70786301	BS00065453_51	1.5	0.0	Yes
7A_3	22633491	BS00065454_51	1.5	0.0	No
7A_3	63737367	CAP8_c8600_130	1.5	0.0	No
7A_3	67702320	CAP8_c8600_222	1.5	0.0	No
7A_3	64724489	Excalibur_c3286_103	1.5	0.0	No
7A_3	53753429	GENE-1996_277	1.5	0.0	No
7A_3	48807457	IAAV14	1.5	0.0	No
7A_3	66637436	Kukri_c12384_430	1.5	0.0	No
7A_3	38725372	Kukri_c28077_282	1.5	0.0	No
7A_3	49651304	Kukri_c28968_130	1.5	0.0	No
7A_3	69710398	Kukri_c54653_270	1.5	0.0	No
7A_3	22672366	Kukri_c54653_295	1.5	0.0	No
7A_3	16603424	RAC875_c11283_379	1.5	0.0	No
7A_3	60787443	RAC875_c2532_64	1.5	0.0	No
7A_3	55622432	Tdurum_contig59467_433	1.5	0.0	No
7A_3	41602427	Tdurum_contig59467_534	1.5	0.0	No
7A_3	67758453	wsnp_Ex_c1159_2224684	1.5	0.0	No
7A_3	30772403	wsnp_Ex_c1159_2225557	1.5	0.0	No

7A_3	37702356	Ex_c1159_616	1.6		Yes
7B_1	35721458	BS00067942_51	0.0	7.7	Yes
7B_1	22719392	Tdurum_contig51087_573	7.7	0.0	Yes
7B_1	32728355	BobWhite_c10017_644	7.8	0.0	Yes
7B_1	59781423	BobWhite_c20290_226	7.8	0.0	No
7B_1	40752507	BobWhite_c20571_102	7.8	0.0	No
7B_1	45677388	BobWhite_c21181_787	7.8	0.0	No
7B_1	23767477	BS00062967_51	7.8	0.0	No
7B_1	66632397	CAP7_c122_102	7.8	0.0	No
7B_1	68698337	Ex_c68356_765	7.8	0.0	No
7B_1	48629320	Excalibur_rep_c102182_311	7.8	0.0	No
7B_1	66628490	Excalibur_rep_c71057_1199	7.8	0.0	No
7B_1	12605377	JD_c11426_334	7.8	0.0	No
7B_1	70635406	Ku_c1839_202	7.8	0.0	No
7B_1	33629390	Kukri_c1576_1469	7.8	0.0	No
7B_1	11652505	Kukri_c21302_194	7.8	0.0	No
7B_1	21774400	Kukri_c21336_512	7.8	0.0	No
7B_1	22796449	Kukri_rep_c102204_68	7.8	0.0	No
7B_1	28617303	Kukri_rep_c103332_710	7.8	0.0	No
7B_1	59689333	Ra_c11468_305	7.8	0.0	No
7B_1	48646442	Ra_c38371_1171	7.8	0.0	No
7B_1	58794487	RAC875_c1638_165	7.8	0.0	No
7B_1	23763394	RAC875_c3876_1123	7.8	0.0	No
7B_1	31632483	RAC875_c6303_529	7.8	0.0	No
7B_1	49768307	Tdurum_contig28644_281	7.8	0.0	No
7B_1	69632376	Tdurum_contig28644_90	7.8	0.0	No
7B_1	12664425	Tdurum_contig31496_79	7.8	0.0	No
7B_1	27606399	wsnp_CAP11_c32_70127	7.8	0.0	No
7B_1	19653365	wsnp_Ex_c27914_37074773	7.8	0.0	No
7B_1	71670359	wsnp_Ex_c27914_37075168	7.8	0.0	No
7B_1	66782450	wsnp_RFL_Contig1210_295012	7.8	5.5	No
7B_1	24624475	BobWhite_rep_c64768_264	13.3	0.0	Yes
7B_1	66771372	BS00022841_51	13.3	0.0	No
7B_1	58780454	BS00079017_51	13.3	0.0	No
7B_1	60646423	BS00079019_51	13.3	0.0	No
7B_1	24786348	CAP7_c10566_170	13.3	0.0	No
7B_1	63801383	IAAV3391	13.3	0.0	No
7B_1	15753403	IAAV7544	13.3	0.0	No
7B_1	53731445	Tdurum_contig84962_256	13.3	0.0	No
7B_1	53737362	Tdurum_contig84962_266	13.3	1.4	No
7B_1	64672434	GENE-4750_46	14.7	0.0	Yes
7B_1	18679496	TA001320-0384	14.7	5.6	No
7B_1	27793473	IAAV7520	20.3	0.0	Yes
7B_1	52725344	Tdurum_contig12084_1122	20.3	0.0	No

7B_1	22618374	Tdurum_contig20094_458	20.3	0.0	No
7B_1	25738509	Tdurum_contig32954_195	20.3	0.0	No
7B_1	42667467	Tdurum_contig44261_127	20.3	0.0	No
7B_1	62669310	Tdurum_contig44261_795	20.3	0.0	No
7B_1	44612434	Tdurum_contig75644_138	20.3	0.0	No
7B_1	51712302	Tdurum_contig75644_871	20.3	8.5	No
7B_1	57632410	IACX6036	28.8	0.0	Yes
7B_1	72792426	Jagger_c9314_100	28.8	0.0	No
7B_1	74725439	Ku_c46689_1653	28.8	0.0	No
7B_1	43767454	Kukri_c15310_755	28.8	0.0	No
7B_1	13651445	Kukri_c36225_133	28.8	0.0	No
7B_1	72772452	Kukri_rep_c69164_94	28.8	0.0	No
7B_1	15748471	RAC875_c16839_188	28.8	0.0	No
7B_1	72759491	RFL_Contig492_751	28.8	0.0	No
7B_1	24643306	Tdurum_contig11028_398	28.8	0.0	No
7B_1	57771371	Tdurum_contig11028_533	28.8	0.0	No
7B_1	46701469	Tdurum_contig11557_86	28.8	0.0	No
7B_1	26626333	Tdurum_contig1969_254	28.8	0.0	No
7B_1	42661433	Tdurum_contig35652_348	28.8	0.0	No
7B_1	29802360	Tdurum_contig43523_1458	28.8	0.0	No
7B_1	49633404	Tdurum_contig43523_359	28.8	0.0	No
7B_1	68686485	Tdurum_contig46877_173	28.8	0.0	No
7B_1	58647353	Tdurum_contig46877_262	28.8	0.0	No
7B_1	14668370	Tdurum_contig46877_488	28.8	0.0	No
7B_1	44687469	Tdurum_contig46877_84	28.8	0.0	No
7B_1	51700342	Tdurum_contig48824_476	28.8	0.0	No
7B_1	66663396	Tdurum_contig49572_643	28.8	0.0	No
7B_1	20617508	Tdurum_contig51024_1234	28.8	0.0	No
7B_1	28661352	Tdurum_contig66810_100	28.8	0.0	No
7B_1	34768350	Tdurum_contig66810_334	28.8	0.0	No
7B_1	61767337	Tdurum_contig81683_217	28.8	0.0	No
7B_1	26761454	wsnp_Ex_c35742_43830556	28.8	0.0	No
7B_1	38778317	wsnp_Ex_c36325_44308589	28.8	0.0	No
7B_1	21640356	wsnp_Ex_c6590_11419735	28.8	0.0	No
7B_1	19679312	wsnp_Ex_rep_c67369_65940601	28.8	2.8	No
7B_1	18682384	Excalibur_c2389_361	31.6	0.0	Yes
7B_1	53630448	RAC875_c19943_2198	31.6	0.0	No
7B_1	55632354	wsnp_CAP8_rep_c3687_1819173	31.6	0.0	No
7B_1	71795373	wsnp_Ex_c24376_33618864	31.6	0.0	No
7B_1	29630411	wsnp_Ex_c24376_33619527	31.6	2.9	No
7B_1	19691476	Excalibur_c108159_334	34.5	0.0	Yes
7B_1	27691304	Excalibur_c97905_134	34.5	0.0	No
7B_1	21716484	Tdurum_contig66398_976	34.5	0.0	No
7B_1	33721337	wsnp_Ex_c2103_3947695	34.5	1.2	No

7B_1	43630403	BobWhite_c44404_312	35.7	0.0	Yes
7B_1	21733363	GENE-4833_102	35.7	0.0	No
7B_1	25809376	Kukri_c67849_109	35.7	0.0	No
7B_1	28790343	Ra_c39042_935	35.7	0.0	No
7B_1	60662304	Tdurum_contig46398_534	35.7	0.0	No
7B_1	27744314	Tdurum_contig99020_139	35.7	3.0	No
7B_1	wPt-2883	wPt-2883	38.7	10.8	Yes
7B_1	47748478	Excalibur_c3423_1170	49.5	0.0	Yes
7B_1	58705312	Tdurum_contig30677_66	49.5		No
7B_2	wPt-4025	wPt-4025	0.0	1.4	Yes
7B_2	39676487	tplb0055p22_1895	1.4	0.1	Yes
7B_2	53720390	BobWhite_c5961_849	1.5	0.0	Yes
7B_2	25600403	BobWhite_rep_c64772_309	1.5	0.0	No
7B_2	58715333	Excalibur_c2217_68	1.5	0.0	No
7B_2	65778349	IACX1805	1.5	0.0	No
7B_2	46797467	Ku_c6047_1228	1.5	0.0	No
7B_2	21807333	Kukri_c38676_251	1.5	0.0	No
7B_2	35810382	Kukri_c8718_193	1.5	0.0	No
7B_2	44791428	RAC875_c37751_215	1.5	0.0	No
7B_2	60800370	RAC875_c5646_969	1.5	0.0	No
7B_2	62697475	RAC875_c570_302	1.5	0.0	No
7B_2	39658309	RAC875_rep_c73821_223	1.5	0.0	No
7B_2	73793401	Tdurum_contig16482_124	1.5	0.0	No
7B_2	35669424	Tdurum_contig28174_132	1.5	0.0	No
7B_2	70673320	Tdurum_contig28174_476	1.5	0.0	No
7B_2	45681454	Tdurum_contig28174_76	1.5	0.0	No
7B_2	55765462	Tdurum_contig29317_467	1.5	0.0	No
7B_2	36807361	Tdurum_contig34357_160	1.5	0.0	No
7B_2	45695495	Tdurum_contig43966_1107	1.5	0.0	No
7B_2	43657502	wsnp_BF482403B_Ta_1_1	1.5	0.0	No
7B_2	48734390	wsnp_CAP11_c103_134545	1.5	3.2	No
7B_2	52631386	CAP7_c9776_62	4.6	0.0	Yes
7B_2	21713430	Excalibur_c6738_2072	4.6	0.0	No
7B_2	48637330	Excalibur_rep_c108075_472	4.6	0.0	No
7B_2	31688363	RAC875_c1742_2710	4.6	0.0	No
7B_2	27652461	RAC875_c6020_496	4.6	0.0	No
7B_2	53768466	Tdurum_contig3914_153	4.6	0.0	No
7B_2	22771389	Tdurum_contig50574_304	4.6	0.0	No
7B_2	70717323	Tdurum_contig74753_946	4.6	0.0	No
7B_2	72627443	Tdurum_contig98926_227	4.6	0.7	No
7B_2	70777505	BS00075332_51	5.3	0.0	Yes
7B_2	13666384	CAP7_c3661_99	5.3	0.0	No
7B_2	26805419	Ra_c11303_583	5.3	1.4	No
7B_2	48708393	Excalibur_c29455_428	6.7	0.1	Yes

7B_2	21679482	BobWhite_rep_c52876_72	6.8	0.0	Yes
7B_2	22622379	Excalibur_c13444_235	6.8	0.0	No
7B_2	67779490	RAC875_c4834_694	6.8	0.0	No
7B_2	36809318	wsnp_BF291608B_Ta_2_1	6.8	0.0	No
7B_2	30628330	wsnp_BF291608B_Ta_2_2	6.8	2.4	No
7B_2	73605324	Kukri_rep_c70697_875	9.2	2.9	Yes
7B_2	36714410	BobWhite_c12256_96	12.1	0.0	Yes
7B_2	74719351	BobWhite_c34689_116	12.1	0.0	No
7B_2	14617381	BS00003350_51	12.1	0.0	No
7B_2	30632447	BS00089938_51	12.1	0.0	No
7B_2	26657325	BS00089942_51	12.1	0.0	No
7B_2	16655330	CAP7_rep_c5216_143	12.1	0.0	No
7B_2	68771482	D_contig00840_473	12.1	0.0	No
7B_2	26805408	Excalibur_c11857_1196	12.1	0.0	No
7B_2	67718342	Excalibur_c21739_688	12.1	0.0	No
7B_2	65773468	Excalibur_c32038_566	12.1	0.0	No
7B_2	42657509	GENE-4608_280	12.1	0.0	No
7B_2	40630393	GENE-4624_79	12.1	0.0	No
7B_2	67652348	IACX486	12.1	0.0	No
7B_2	40712329	Ku_c10179_1837	12.1	0.0	No
7B_2	66735315	Kukri_c14766_484	12.1	0.0	No
7B_2	69746482	Kukri_c50071_1084	12.1	0.0	No
7B_2	53611363	Kukri_c51101_351	12.1	0.0	No
7B_2	73693338	Ra_c10804_1595	12.1	0.0	No
7B_2	11735436	RAC875_c21489_908	12.1	0.0	No
7B_2	18628474	RAC875_c27548_234	12.1	0.0	No
7B_2	33681423	RAC875_c27548_417	12.1	0.0	No
7B_2	34733359	RAC875_c4128_926	12.1	0.0	No
7B_2	35624409	RAC875_c54615_58	12.1	0.0	No
7B_2	21651493	RAC875_c9494_651	12.1	0.0	No
7B_2	52722334	Tdurum_contig41998_1213	12.1	0.0	No
7B_2	20670414	wsnp_Ex_c10550_17231294	12.1	0.0	No
7B_2	50632495	wsnp_Ex_c10550_17231658	12.1	0.0	No
7B_2	71707494	wsnp_Ex_c53019_56399917	12.1	0.0	No
7B_2	23734497	wsnp_Ex_rep_c70700_69597262	12.1	0.0	No
7B_2	42714316	wsnp_Ku_c17161_26193672	12.1	0.0	No
7B_2	47623406	wsnp_Ku_c17161_26193994	12.1	0.9	No
7B_2	wPt-8312	wPt-8312	13.0	0.0	Yes
7B_2	wPt-9133	wPt-9133	13.0	3.6	Yes
7B_2	47791339	Tdurum_contig97814_355	16.6	0.0	Yes
7B_2	62727322	tplb0033d17_389	16.6	0.1	No
7B_2	wPt-3723	wPt-3723	16.7	1.0	Yes
7B_2	21635381	BobWhite_c292_385	17.7	0.0	Yes
7B_2	49699505	BS00070791_51	17.7	0.0	No

7B_2	20733378	BS00076675_51	17.7	0.0	No
7B_2	50725360	Excalibur_c48976_396	17.7	0.0	No
7B_2	40748320	Kukri_c25451_119	17.7	0.0	No
7B_2	20763448	Kukri_c29415_392	17.7	0.0	No
7B_2	28725491	RAC875_c3361_180	17.7	0.0	No
7B_2	69763476	RAC875_c45062_305	17.7	0.0	No
7B_2	18650392	RFL_Contig1874_216	17.7	0.0	No
7B_2	60737311	Tdurum_contig13930_254	17.7	0.0	No
7B_2	55638485	Tdurum_contig5083_1164	17.7	0.0	No
7B_2	47664306	wsnp_Ex_c10500_17163855	17.7	0.0	No
7B_2	35803481	wsnp_Ex_c10571_17258682	17.7	0.0	No
7B_2	49692305	wsnp_Ex_c3309_6096114	17.7	0.0	No
7B_2	42805505	wsnp_Ku_c16295_25149034	17.7	1.5	No
7B_2	22764496	BS00039118_51	19.2	0.0	Yes
7B_2	60682366	BS00101408_51	19.2	0.0	No
7B_2	31600479	Excalibur_c74925_338	19.2	0.0	No
7B_2	25669323	GENE-4996_592	19.2	0.0	No
7B_2	74749308	Kukri_c31628_571	19.2	0.0	No
7B_2	20638382	Tdurum_contig10677_529	19.2	0.0	No
7B_2	66688474	Tdurum_contig14821_751	19.2	0.0	No
7B_2	36667398	Tdurum_contig43995_370	19.2	0.0	No
7B_2	37602467	Tdurum_contig43995_611	19.2	0.0	No
7B_2	57663499	wsnp_BE498985A_Ta_2_1	19.2	0.0	No
7B_2	72656358	wsnp_BE605194B_Ta_2_1	19.2	0.0	No
7B_2	52803426	wsnp_BE605194B_Ta_2_7	19.2	5.3	No
7B_2	58786403	BS00064871_51	24.4	0.0	Yes
7B_2	35754432	Tdurum_contig63311_285	24.4	1.1	No
7B_2	wPt-8615	wPt-8615	25.6	0.8	Yes
7B_2	57718474	BobWhite_c21838_152	26.4	0.0	Yes
7B_2	25600474	BS00047083_51	26.4	0.0	No
7B_2	74798311	BS00090785_51	26.4	0.0	No
7B_2	23742370	BS00101087_51	26.4	0.0	No
7B_2	52675418	Excalibur_c16856_432	26.4	0.0	No
7B_2	35636419	IAAV6659	26.4	0.0	No
7B_2	59601354	IACX8294	26.4	0.0	No
7B_2	48640421	Kukri_c11141_203	26.4	0.0	No
7B_2	18742406	Kukri_c292_2231	26.4	0.0	No
7B_2	30635376	Kukri_c345_644	26.4	0.0	No
7B_2	35774391	RAC875_c22172_454	26.4	0.0	No
7B_2	38722344	RAC875_c37638_233	26.4	0.0	No
7B_2	35717459	RAC875_c89312_61	26.4	0.0	No
7B_2	39695387	RFL_Contig4842_579	26.4	0.0	No
7B_2	20792420	RFL_Contig5701_783	26.4	0.0	No
7B_2	56804441	Tdurum_contig4658_106	26.4	0.0	No

7B_2	55804337	Tdurum_contig5360_182	26.4	0.0	No
7B_2	61717319	Tdurum_contig5360_329	26.4	0.0	No
7B_2	43606499	Tdurum_contig5360_379	26.4	0.0	No
7B_2	21705415	Tdurum_contig5360_95	26.4	0.0	No
7B_2	41767403	TA006300-0258	26.5	0.0	Yes
7B_2	25669458	D_F5XZDLF01DRADL_134	26.5	0.9	Yes
7B_2	53749327	RAC875_c37638_174	27.4	1.2	Yes
7B_2	wPt-5343	wPt-5343	28.6	1.9	Yes
7B_2	52724354	BS00068305_51	30.5	0.0	Yes
7B_2	18641394	BS00068309_51	30.5	0.0	No
7B_2	44764324	Excalibur_c41736_124	30.5	0.0	No
7B_2	24625311	RAC875_c41903_122	30.5	0.0	No
7B_2	46755300	TA002394-1002	30.5	1.6	No
7B_2	63671448	BS00067433_51	32.1	0.0	Yes
7B_2	50807352	D_contig05029_98	32.1	0.0	No
7B_2	48658323	Excalibur_c2062_383	32.1	0.0	No
7B_2	27720504	Kukri_c28239_224	32.1	0.0	No
7B_2	73716402	RAC875_c15057_1050	32.1	0.0	No
7B_2	41703336	Tdurum_contig49613_61	32.1		No

SNP: single nucleotide polymorphism; DArT: diversity array technology; QTL: quantitative trait loci; cM: centi Morgan; DArT markers are shown in blue colour