

Supplementary file 5. The whole genome linkage maps developed in ND495 × Largo RIL recombinant inbred line population.

	Chr.	Index on 90K SNP iSelect array	Marker Name	SNP Name	NDLargo Dist. (cM)
1	1A	12147	IWB12147	BS00100774_51	0.0
2	1A	6234	IWB6234	BS00010488_51	0.3
3	1A	80188	IWA6644	wsnp_Ku_c1818_3557408	1.4
4	1A	74213	IWB74213	tplb0025b13_150	1.4
5	1A	48747	IWB48747	Kukri_rep_c102231_265	4.3
6	1A	42635	IWB42635	Kukri_c22349_754	4.3
7	1A	32244	IWB32244	GENE-1118_58	4.3
8	1A	7436	IWB7436	BS00023130_51	4.3
9	1A	17894	IWB17894	D_GA8KES402HR8TV_187	5.1
10	1A	81583	IWA8622	wsnp_RFL_Contig4735_5673999	5.1
11	1A	31867	IWB31867	GENE-0411_807	5.7
12	1A	79135	IWA5150	wsnp_Ex_rep_c106111_90308719	5.7
13	1A	31866	IWB31866	GENE-0411_723	5.7
14	1A	8796	IWB8796	BS00060058_51	6.8
15	1A	29039	IWB29039	Excalibur_c82557_201	8.0
16	1A	37531	IWB37531	JD_c49343_475	8.0
17	1A	29562	IWB29562	Excalibur_c9676_163	8.0
18	1A	6172	IWB6172	BS00010128_51	8.0
19	1A	54411	IWB54411	RAC875_c1710_376	8.0
20	1A	27228	IWB27228	Excalibur_c5139_198	8.0
21	1A	73128	IWB73128	Tdurum_contig68827_118	8.6
22	1A	43759	IWB43759	Kukri_c29655_239	8.6
23	1A	23623	IWB23623	Excalibur_c21298_515	14.5
24	1A	6195	IWB6195	BS00010267_51	14.5
25	1A	61182	IWB61182	RAC875_c97040_104	14.7
26	1A	69234	IWB69234	Tdurum_contig26035_231	14.7
27	1A	59323	IWB59323	RAC875_c57939_78	14.7
28	1A	20818	IWB20818	Ex_c4876_1221	16.5
29	1A	42452	IWB42452	Kukri_c2121_2345	16.5
30	1A	71175	IWB71175	Tdurum_contig42479_3800	16.5
31	1A	35649	IWB35649	IACX11001	16.5
32	1A	39517	IWB39517	Ku_c4823_673	16.8
33	1A	24273	IWB24273	Excalibur_c25175_512	16.8
34	1A	27788	IWB27788	Excalibur_c58154_84	16.8
35	1A	34835	IWB34835	IAAV4132	16.8
36	1A	11301	IWB11301	BS00083459_51	16.8
37	1A	45180	IWB45180	Kukri_c41943_535	16.8
38	1A	73615	IWB73615	Tdurum_contig83113_134	18.4
39	1A	22004	IWB22004	Excalibur_c11941_612	28.4
40	1A	76219	IWA1388	wsnp_Ex_c10783_17555091	28.7
41	1A	14137	IWB14137	CAP7_c4833_141	28.7
42	1A	76218	IWA1387	wsnp_Ex_c10783_17554146	28.7
43	1A	54031	IWB54031	RAC875_c14926_589	29.2
44	1A	72066	IWB72066	Tdurum_contig50355_685	30.7
45	1A	69751	IWB69751	Tdurum_contig29280_216	31.3
46	1A	35770	IWB35770	IACX1592	31.8
47	1A	60704	IWB60704	RAC875_c826_2186	32.1
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51	1A	71771	IWB71771	Tdurum_contig47183_205	32.7
52	1A	30674	IWB30674	Excalibur_rep_c114535_55	33.2
53	1A	42898	IWB42898	Kukri_c23985_166	33.2
54	1A	43982	IWB43982	Kukri_c3150_341	33.2
55	1A	73155	IWB73155	Tdurum_contig69753_513	33.2
56	1A	38267	IWB38267	Ku_c11769_252	33.2
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65	1A	42899	IWB42899	Kukri_c23985_229	33.2
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68	1A	12486	IWB12486	BS00110151_51	33.2
69	1A	9220	IWB9220	BS00064197_51	33.5
70	1A	26888	IWB26888	Excalibur_c47654_70	33.5
71	1A	59114	IWB59114	RAC875_c5544_4156	34.1
72	1A	48980	IWB48980	Kukri_rep_c104386_273	34.1
73	1A	35115	IWB35115	IAAV5931	35.3
74	1A	75447	IWA164	wsnp_BE445121A_Ta_1_8	35.3
75	1A	58229	IWB58229	RAC875_c46269_387	35.8
76	1A	57257	IWB57257	RAC875_c37183_331	36.7
77	1A	77388	IWA2921	wsnp_Ex_c24686_33941368	36.7
78	1A	77208	IWA2656	wsnp_Ex_c2181_4089788	36.7
79	1A	27624	IWB27624	Excalibur_c5606_1192	36.7
80	1A	77207	IWA2655	wsnp_Ex_c2181_4089639	36.7
81	1A	77389	IWA2922	wsnp_Ex_c24686_33942264	36.7
82	1A	21167	IWB21167	Ex_c68770_506	36.7
83	1A	34853	IWB34853	IAAV4243	36.7
84	1A	80781	IWA7421	wsnp_Ku_rep_c107796_93118214	37.0
85	1A	35435	IWB35435	IAAV814	37.2
86	1A	43050	IWB43050	Kukri_c24897_140	37.2
87	1A	76270	IWA1450	wsnp_Ex_c111741_93530669	37.2
88	1A	77722	IWA3346	wsnp_Ex_c31525_40302140	37.2
89	1A	20438	IWB20438	Ex_c29914_480	37.2
90	1A	34698	IWB34698	IAAV3306	37.2
91	1A	79077	IWA5080	wsnp_Ex_rep_c103028_88077819	37.2
92	1A	81405	IWA8307	wsnp_RFL_Contig2185_1520256	37.2
93	1A	20986	IWB20986	Ex_c60135_528	37.2
94	1A	35478	IWB35478	IAAV8458	37.2
95	1A	45088	IWB45088	Kukri_c4099_321	37.2
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97	1A	1215	IWB1215	BobWhite_c18773_75	37.2
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108	1A	8098	IWB8098	BS00037255_51	37.8
109	1A	78142	IWA3882	wsnp_Ex_c44049_50205457	37.8
110	1A	78902	IWA4852	wsnp_Ex_c8885_14842394	37.8
111	1A	64861	IWB64861	RFL_Contig5001_1099	37.8
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129	1A	79936	IWA6260	wsnp_JD_rep_c49359_33578909	38.9
130	1A	75973	IWA948	wsnp_CAP12_c2645_1267978	38.9
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139	1A	31380	IWB31380	Excalibur_rep_c88290_94	38.9
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145	1A	78280	IWA4061	wsnp_Ex_c49829_54319220	38.9
146	1A	77992	IWA3690	wsnp_Ex_c39661_46902689	38.9
147	1A	76658	IWA1934	wsnp_Ex_c14733_22819625	38.9
148	1A	43323	IWB43323	Kukri_c26669_515	38.9
149	1A	35544	IWB35544	IAAV8824	38.9
150	1A	11503	IWB11503	BS00087437_51	38.9
151	1A	6200	IWB6200	BS00010287_51	38.9
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153	1A	6380	IWB6380	BS00011286_51	38.9
154	1A	28360	IWB28360	Excalibur_c65280_322	38.9
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156	1A	79120	IWA5133	wsnp_Ex_rep_c105244_89727546	38.9
157	1A	81054	IWA7804	wsnp_Ra_c26956_36503468	38.9

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160	1A	76933	IWA2289	wsnp_Ex_c18196_27006489	38.9
161	1A	76756	IWA2057	wsnp_Ex_c15722_24074399	38.9
162	1A	65677	IWB65677	TA003382-0407	38.9
163	1A	33065	IWB33065	GENE-2795_120	38.9
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166	1A	25221	IWB25221	Excalibur_c32608_64	38.9
167	1A	23434	IWB23434	Excalibur_c20133_87	38.9
168	1A	22559	IWB22559	Excalibur_c15098_591	38.9
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171	1A	79365	IWA5435	wsnp_Ex_rep_c67665_66326492	38.9
172	1A	78196	IWA3952	wsnp_Ex_c45880_51550172	38.9
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176	1A	75874	IWA764	wsnp_CAP11_c3968_1874257	38.9
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179	1A	78659	IWA4555	wsnp_Ex_c66106_64268316	38.9
180	1A	48617	IWB48617	Kukri_rep_c101218_200	38.9
181	1A	20214	IWB20214	Ex_c2389_1633	38.9
182	1A	78135	IWA3875	wsnp_Ex_c43586_49862663	38.9
183	1A	43755	IWB43755	Kukri_c29652_858	38.9
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193	1A	60543	IWB60543	RAC875_c7891_426	38.9
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222	1A	77640	IWA3249	wsnp_Ex_c2972_5477975	38.9
223	1A	78589	IWA4466	wsnp_Ex_c6278_10941843	38.9
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225	1A	78842	IWA4775	wsnp_Ex_c8162_13799067	38.9
226	1A	78858	IWA4798	wsnp_Ex_c8374_14111734	38.9
227	1A	79057	IWA5054	wsnp_Ex_rep_c102155_87382570	38.9
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230	1A	81144	IWA7922	wsnp_Ra_c41581_48764320	38.9
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237	1A	19851	IWB19851	Ex_c14515_220	38.9
238	1A	20204	IWB20204	Ex_c23451_720	38.9
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243	1A	35337	IWB35337	IAAV7414	38.9
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245	1A	39019	IWB39019	Ku_c2742_638	38.9
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248	1A	44535	IWB44535	Kukri_c362_91	38.9
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250	1A	51652	IWB51652	Ra_c272_1632	38.9
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254	1A	76657	IWA1933	wsnp_Ex_c14733_22819350	38.9
255	1A	76906	IWA2248	wsnp_Ex_c17684_26426785	38.9
256	1A	76967	IWA2337	wsnp_Ex_c18662_27538313	38.9
257	1A	77058	IWA2456	wsnp_Ex_c19730_28728245	38.9
258	1A	77342	IWA2851	wsnp_Ex_c2389_4478238	38.9
259	1A	77417	IWA2957	wsnp_Ex_c25220_34487119	38.9
260	1A	77716	IWA3338	wsnp_Ex_c3142_5808330	38.9
261	1A	77717	IWA3339	wsnp_Ex_c3142_5808713	38.9
262	1A	77794	IWA3442	wsnp_Ex_c3365_6183009	38.9
263	1A	77929	IWA3612	wsnp_Ex_c3747_6824863	38.9
264	1A	77991	IWA3689	wsnp_Ex_c39661_46902650	38.9
265	1A	78155	IWA3898	wsnp_Ex_c44498_50537128	38.9

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267	1A	78621	IWA4509	wsnp_Ex_c645_1273901	38.9
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269	1A	78887	IWA4834	wsnp_Ex_c8666_14522816	38.9
270	1A	79121	IWA5134	wsnp_Ex_rep_c105244_89727666	38.9
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282	1A	79176	IWA5199	wsnp_Ex_rep_c66318_64485410	38.9
283	1A	60818	IWB60818	RAC875_c85778_184	38.9
284	1A	68883	IWB68883	Tdurum_contig20581_256	38.9
285	1A	61932	IWB61932	RAC875_rep_c110052_194	38.9
286	1A	31018	IWB31018	Excalibur_rep_c69012_742	38.9
287	1A	35050	IWB35050	IAAV5581	38.9
288	1A	28151	IWA5194	wsnp_Ex_rep_c66282_64438053	38.9
289	1A	52514	IWB52514	Ra_c7062_430	38.9
290	1A	28131	IWB28131	Excalibur_c6255_1119	38.9
291	1A	11756	IWB11756	BS00092422_51	38.9
292	1A	8634	IWB8634	BS00053718_51	38.9
293	1A	8491	IWB8491	BS00048118_51	38.9
294	1A	6966	IWB6966	BS00022207_51	38.9
295	1A	74462	IWB74462	tplb0032d09_1393	38.9
296	1A	10935	IWB10935	BS00077504_51	38.9
297	1A	77802	IWA3451	wsnp_Ex_c33831_42253707	38.9
298	1A	78143	IWA3883	wsnp_Ex_c44049_50205614	38.9
299	1A	79729	IWA5952	wsnp_JD_c24506_20670773	38.9
300	1A	11130	IWB11130	BS00080438_51	38.9
301	1A	10889	IWB10889	BS00076538_51	38.9
302	1A	8519	IWB8519	BS00048887_51	38.9
303	1A	6784	IWB6784	BS00021895_51	38.9
304	1A	5898	IWB5898	BS00003813_51	38.9
305	1A	5887	IWB5887	BS00003758_51	38.9
306	1A	81251	IWA8071	wsnp_Ra_c7847_13421750	38.9
307	1A	80776	IWA7413	wsnp_Ku_rep_c104517_90964418	38.9
308	1A	79419	IWA5509	wsnp_Ex_rep_c68183_66958099	38.9
309	1A	79276	IWA5320	wsnp_Ex_rep_c66875_65276404	38.9
310	1A	79127	IWA5140	wsnp_Ex_rep_c105541_89932598	38.9
311	1A	78679	IWA4579	wsnp_Ex_c6826_11775106	38.9
312	1A	78464	IWA4302	wsnp_Ex_c5634_9907829	38.9
313	1A	78463	IWA4301	wsnp_Ex_c5634_9906981	38.9
314	1A	78051	IWA3766	wsnp_Ex_c41237_48104282	38.9
315	1A	77345	IWA2854	wsnp_Ex_c2389_4479352	38.9
316	1A	77344	IWA2853	wsnp_Ex_c2389_4479047	38.9
317	1A	77340	IWA2849	wsnp_Ex_c2389_4477621	38.9
318	1A	76700	IWA1990	wsnp_Ex_c15188_23387523	38.9
319	1A	65824	IWB65824	TA004365-0417	38.9

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321	1A	62689	IWB62689	RAC875_rep_c70404_755	38.9
322	1A	61408	IWB61408	RAC875_rep_c105092_114	38.9
323	1A	60332	IWB60332	RAC875_c7305_75	38.9
324	1A	58896	IWB58896	RAC875_c53095_51	38.9
325	1A	55795	IWB55795	RAC875_c25442_231	38.9
326	1A	51646	IWB51646	Ra_c26970_1740	38.9
327	1A	50397	IWB50397	Kukri_rep_c81206_235	38.9
328	1A	43481	IWB43481	Kukri_c27717_316	38.9
329	1A	42800	IWB42800	Kukri_c23382_1431	38.9
330	1A	35297	IWB35297	IAAV7131	38.9
331	1A	31842	IWB31842	GENE-0379_108	38.9
332	1A	31787	IWB31787	GENE-0287_28	38.9
333	1A	31507	IWB31507	Excalibur_s107771_77	38.9
334	1A	27755	IWB27755	Excalibur_c57766_92	38.9
335	1A	76558	IWA1807	wsnp_Ex_c1374_2630879	38.9
336	1A	76543	IWA1785	wsnp_Ex_c13564_21327699	38.9
337	1A	80963	IWA7677	wsnp_Ra_c18045_27024765	38.9
338	1A	79788	IWA6044	wsnp_JD_c40990_29127031	38.9
339	1A	77870	IWA3536	wsnp_Ex_c3572_6531810	38.9
340	1A	77187	IWA2630	wsnp_Ex_c21592_30743815	38.9
341	1A	13493	IWB13493	CAP12_c6266_339	38.9
342	1A	44145	IWB44145	Kukri_c32885_145	38.9
343	1A	21584	IWB21584	Excalibur_c102582_360	38.9
344	1A	78144	IWA3884	wsnp_Ex_c44049_50205904	38.9
345	1A	77817	IWA3473	wsnp_Ex_c34260_42602746	38.9
346	1A	59770	IWB59770	RAC875_c6338_2719	38.9
347	1A	57676	IWB57676	RAC875_c41113_144	38.9
348	1A	54694	IWB54694	RAC875_c18539_1159	38.9
349	1A	39871	IWB39871	Ku_c6979_182	38.9
350	1A	23847	IWB23847	Excalibur_c22728_610	38.9
351	1A	21835	IWB21835	Excalibur_c11273_284	38.9
352	1A	20606	IWB20606	Ex_c3799_2429	38.9
353	1A	19850	IWB19850	Ex_c14515_218	38.9
354	1A	14948	IWB14948	CAP8_c806_297	38.9
355	1A	3358	IWB3358	BobWhite_c44224_71	38.9
356	1A	30170	IWB30170	Excalibur_rep_c106065_511	38.9
357	1A	36350	IWB36350	IACX9106	38.9
358	1A	9345	IWB9345	BS00064679_51	38.9
359	1A	78690	IWA4591	wsnp_Ex_c6934_11953178	38.9
360	1A	77715	IWA3337	wsnp_Ex_c3142_5808220	38.9
361	1A	63072	IWB63072	RAC875_rep_c76047_63	38.9
362	1A	21346	IWB21346	Ex_c801_555	38.9
363	1A	3462	IWB3462	BobWhite_c45409_389	38.9
364	1A	80416	IWA6942	wsnp_Ku_c3468_6420199	38.9
365	1A	38904	IWB38904	Ku_c2449_578	38.9
366	1A	35084	IWB35084	IAAV5756	38.9
367	1A	77343	IWA2852	wsnp_Ex_c2389_4478587	38.9
368	1A	77338	IWA2847	wsnp_Ex_c2389_4477096	38.9
369	1A	20215	IWB20215	Ex_c2389_1634	38.9
370	1A	77989	IWA3686	wsnp_Ex_c3963_7179957	38.9
371	1A	20216	IWB20216	Ex_c2389_1828	38.9
372	1A	8490	IWB8490	BS00048117_51	38.9
373	1A	77558	IWA3147	wsnp_Ex_c28165_37310070	38.9

374	1A	59768	IWB59768	RAC875_c6338_1887	38.9
375	1A	80448	IWA6985	wsnp_Ku_c3844_7053669	38.9
376	1A	13492	IWB13492	CAP12_c6266_298	38.9
377	1A	13491	IWB13491	CAP12_c6266_187	38.9
378	1A	65705	IWB65705	TA003542-0511	38.9
379	1A	60215	IWB60215	RAC875_c68797_400	38.9
380	1A	53086	IWB53086	RAC875_c10506_434	38.9
381	1A	81337	IWA8198	wsnp_Ra_rep_c74936_72685894	38.9
382	1A	77871	IWA3538	wsnp_Ex_c3572_6533892	38.9
383	1A	77186	IWA2629	wsnp_Ex_c21592_30743513	38.9
384	1A	31366	IWB31366	Excalibur_rep_c86757_244	39.5
385	1A	27889	IWB27889	Excalibur_c59486_172	39.8
386	1A	48847	IWB48847	Kukri_rep_c103147_745	40.1
387	1A	22518	IWB22518	Excalibur_c14943_695	40.1
388	1A	75360	IWA42	wsnp_BE403956A_Ta_2_3	40.3
389	1A	6779	IWB6779	BS00021878_51	40.3
390	1A	8273	IWB8273	BS00041358_51	40.3
391	1A	9465	IWB9465	BS00065146_51	40.3
392	1A	16658	IWB16658	D_contig35755_111	40.3
393	1A	53037	IWB53037	RAC875_c10400_791	40.3
394	1A	53598	IWB53598	RAC875_c12808_182	40.3
395	1A	65452	IWB65452	TA001772-0625	40.3
396	1A	78677	IWA4577	wsnp_Ex_c6817_11762714	40.3
397	1A	79021	IWA5010	wsnp_Ex_rep_c101414_86780996	40.3
398	1A	80440	IWA6971	wsnp_Ku_c37925_46678703	40.3
399	1A	80512	IWA7065	wsnp_Ku_c4413_8008008	40.3
400	1A	414	IWB414	BobWhite_c12841_56	40.3
401	1A	21126	IWB21126	Ex_c6765_2118	40.3
402	1A	35883	IWB35883	IACX293	40.3
403	1A	48626	IWB48626	Kukri_rep_c101316_375	40.3
404	1A	49136	IWB49136	Kukri_rep_c106037_96	40.3
405	1A	55677	IWB55677	RAC875_c24560_604	40.3
406	1A	35410	IWB35410	IAAV7929	40.3
407	1A	76140	IWA1279	wsnp_Ex_c10100_16600633	40.3
408	1A	77996	IWA3695	wsnp_Ex_c3986_7217641	40.3
409	1A	81162	IWA7945	wsnp_Ra_c4481_8119609	40.3
410	1A	11893	IWB11893	BS00094681_51	40.3
411	1A	78198	IWA3956	wsnp_Ex_c4605_8240189	40.3
412	1A	80441	IWA6972	wsnp_Ku_c37925_46679146	40.3
413	1A	10918	IWB10918	BS00077199_51	40.3
414	1A	46963	IWB46963	Kukri_c61766_907	40.3
415	1A	53107	IWB53107	RAC875_c105730_397	40.3
416	1A	77435	IWA2981	wsnp_Ex_c25628_34888253	40.3
417	1A	35945	IWB35945	IACX4168	40.3
418	1A	78197	IWA3955	wsnp_Ex_c4605_8239915	40.3
419	1A	81214	IWA8026	wsnp_Ra_c6182_10833256	40.3
420	1A	43760	IWB43760	Kukri_c29668_338	40.3
421	1A	49698	IWB49698	Kukri_rep_c115954_137	40.3
422	1A	79036	IWA5031	wsnp_Ex_rep_c101746_87053634	40.3
423	1A	12595	IWB12595	BS00110766_51	40.3
424	1A	66112	IWB66112	TA013367-0455	40.3
425	1A	25621	IWB25621	Excalibur_c3565_2673	40.3
426	1A	56573	IWB56573	RAC875_c31168_238	40.3
427	1A	77863	IWA3528	wsnp_Ex_c35563_43690084	40.3

428	1A	79079	IWA5083	wsnp_Ex_rep_c103087_88123733	40.3
429	1A	30251	IWB30251	Excalibur_rep_c107144_405	40.3
430	1A	31640	IWB31640	GENE-0053_224	40.3
431	1A	40764	IWB40764	Kukri_c12165_1148	40.3
432	1A	77436	IWA2982	wsnp_Ex_c25628_34888439	40.3
433	1A	77867	IWA3533	wsnp_Ex_c3565_6521098	40.3
434	1A	79080	IWA5084	wsnp_Ex_rep_c103087_88124573	40.3
435	1A	79235	IWA5268	wsnp_Ex_rep_c66562_64849366	40.3
436	1A	80543	IWA7104	wsnp_Ku_c47386_53862969	40.3
437	1A	42121	IWB42121	Kukri_c19389_97	40.3
438	1A	77973	IWA3666	wsnp_Ex_c3906_7086294	40.3
439	1A	10292	IWB10292	BS00068358_51	40.3
440	1A	78439	IWA4265	wsnp_Ex_c5543_9763520	40.3
441	1A	30625	IWB30625	Excalibur_rep_c113303_500	40.3
442	1A	78676	IWA4576	wsnp_Ex_c6817_11761300	40.3
443	1A	71889	IWB71889	Tdurum_contig48416_335	40.3
444	1A	14772	IWB14772	CAP8_c4897_397	40.3
445	1A	55848	IWB55848	RAC875_c25799_457	40.3
446	1A	3707	IWB3707	BobWhite_c4942_140	40.6
447	1A	31887	IWB31887	GENE-0446_243	40.6
448	1A	31781	IWB31781	GENE-0283_330	40.6
449	1A	65579	IWB65579	TA002594-0782	41.2
450	1A	64970	IWB64970	RFL_Contig530_2305	41.2
451	1A	60037	IWB60037	RAC875_c6664_63	42.0
452	1A	35842	IWB35842	IACX219	42.0
453	1A	42791	IWB42791	Kukri_c23350_433	42.0
454	1A	20671	IWB20671	Ex_c4121_1205	42.0
455	1A	35117	IWB35117	IAAV5939	42.0
456	1A	76159	IWA1307	wsnp_Ex_c10257_16825240	42.0
457	1A	2927	IWB2927	BobWhite_c37802_547	42.0
458	1A	76623	IWA1888	wsnp_Ex_c14361_22341570	42.0
459	1A	38877	IWB38877	Ku_c23960_333	42.0
460	1A	19752	IWB19752	Ex_c12584_2014	42.0
461	1A	20307	IWB20307	Ex_c25689_1606	42.0
462	1A	52241	IWB52241	Ra_c54249_1031	42.0
463	1A	20306	IWB20306	Ex_c25689_1603	42.0
464	1A	7929	IWB7929	BS00033469_51	46.2
465	1A	21382	IWB21382	Ex_c8514_1342	46.2
466	1A	4741	IWB4741	BobWhite_rep_c49207_243	46.2
467	1A	8994	IWB8994	BS00063068_51	46.2
468	1A	54092	IWB54092	RAC875_c15426_1713	46.2
469	1A	20387	IWB20387	Ex_c28144_1843	46.2
470	1A	77447	IWA2995	wsnp_Ex_c25734_34995416	46.2
471	1A	34506	IWB34506	IAAV213	46.2
472	1A	80597	IWA7173	wsnp_Ku_c557_1166684	46.2
473	1A	78456	IWA4292	wsnp_Ex_c56097_58352130	46.2
474	1A	52305	IWB52305	Ra_c58315_265	46.2
475	1A	35927	IWB35927	IACX3496	46.2
476	1A	57702	IWB57702	RAC875_c41275_131	46.4
477	1A	30746	IWB30746	Excalibur_rep_c66449_1588	48.1
478	1A	35955	IWB35955	IACX4378	48.1
479	1A	77551	IWA3134	wsnp_Ex_c27940_37101775	48.1
480	1A	27052	IWB27052	Excalibur_c49421_443	48.1
481	1A	70213	IWB70213	Tdurum_contig31304_527	48.1

482	1A	34656	IWB34656	IAAV3049	48.1
483	1A	31604	IWB31604	GENE-0004_635	48.1
484	1A	24988	IWB24988	Excalibur_c30591_637	48.1
485	1A	12736	IWB12736	CAP11_c1972_285	48.1
486	1A	11516	IWB11516	BS00087601_51	48.1
487	1A	30576	IWB30576	Excalibur_rep_c112145_271	48.1
488	1A	75520	IWA268	wsnp_BE495786A_Ta_2_1	48.1
489	1A	54214	IWB54214	RAC875_c16080_777	48.1
490	1A	7216	IWB7216	BS00022698_51	48.1
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492	1A	77820	IWA3477	wsnp_Ex_c34344_42677360	48.1
493	1A	76385	IWA1594	wsnp_Ex_c12165_19452361	48.1
494	1A	69488	IWB69488	Tdurum_contig28296_243	48.1
495	1A	3806	IWB3806	BobWhite_c5356_1272	48.1
496	1A	1228	IWB1228	BobWhite_c18881_338	48.1
497	1A	64265	IWB64265	RFL_Contig3203_1971	48.1
498	1A	28550	IWB28550	Excalibur_c7033_159	48.1
499	1A	80896	IWA7577	wsnp_Ra_c12148_19539667	48.1
500	1A	78330	IWA4126	wsnp_Ex_c5216_9235964	48.1
501	1A	5360	IWB5360	BobWhite_rep_c63278_349	48.1
502	1A	31863	IWB31863	GENE-0410_71	51.1
503	1A	35691	IWB35691	IACX11338	51.1
504	1A	19625	IWB19625	Ex_c105443_895	52.2
505	1A	11883	IWB11883	BS00094553_51	57.7
506	1A	81102	IWA7868	wsnp_Ra_c3270_6136110	57.7
507	1A	49731	IWB49731	Kukri_rep_c117029_125	57.7
508	1A	2320	IWB2320	BobWhite_c29908_113	57.7
509	1A	81103	IWA7869	wsnp_Ra_c3270_6136601	57.7
510	1A	36026	IWB36026	IACX5793	57.7
511	1A	35541	IWB35541	IAAV8804	57.7
512	1A	64537	IWB64537	RFL_Contig3919_1348	57.7
513	1A	36076	IWB36076	IACX5960	57.7
514	1A	56355	IWB56355	RAC875_c29540_413	58.3
515	1A	56353	IWB56353	RAC875_c29540_1109	58.3
516	1A	79151	IWA5169	wsnp_Ex_rep_c108951_91954190	58.3
517	1A	7079	IWB7079	BS00022432_51	58.3
518	1A	6974	IWB6974	BS00022220_51	58.8
519	1A	31939	IWB31939	GENE-0511_403	58.8
520	1A	44038	IWB44038	Kukri_c31891_1355	58.8
521	1A	77767	IWA3406	wsnp_Ex_c32590_41222878	58.8
522	1A	9588	IWB9588	BS00065601_51	58.8
523	1A	75965	IWA931	wsnp_CAP12_c1960_972031	58.8
524	1A	58517	IWB58517	RAC875_c49074_374	58.8
525	1A	13718	IWB13718	CAP7_c1083_283	58.8
526	1A	6944	IWB6944	BS00022173_51	58.8
527	1A	45341	IWB45341	Kukri_c43410_348	58.8
528	1A	49095	IWB49095	Kukri_rep_c105589_73	58.8
529	1A	77836	IWA3496	wsnp_Ex_c3475_6362087	58.8
530	1A	59527	IWB59527	RAC875_c60514_90	58.8
531	1A	46385	IWB46385	Kukri_c53935_265	58.8
532	1A	43647	IWB43647	Kukri_c29121_226	58.8
533	1A	40889	IWB40889	Kukri_c12758_617	58.8
534	1A	11543	IWB11543	BS00088035_51	58.8
535	1A	11087	IWB11087	BS00079538_51	58.8

536	1A	3489	IWB3489	BobWhite_c46007_582	58.8
537	1A	56065	IWB56065	RAC875_c27417_150	58.8
538	1A	7753	IWB7753	BS00030036_51	58.8
539	1A	78622	IWA4511	wsnp_Ex_c6452_11213329	58.8
540	1A	46448	IWB46448	Kukri_c54678_88	58.8
541	1A	77124	IWA2540	wsnp_Ex_c20489_29564938	58.8
542	1A	45961	IWB45961	Kukri_c49170_655	59.4
543	1A	77085	IWA2491	wsnp_Ex_c1997_3757721	59.4
544	1A	77244	IWA2703	wsnp_Ex_c22284_31478675	59.4
545	1A	35171	IWB35171	IAAV6234	59.4
546	1A	40049	IWB40049	Ku_c809_2419	59.4
547	1A	79854	IWA6144	wsnp_JD_c6544_7697235	59.4
548	1A	77081	IWA2485	wsnp_Ex_c1997_3756118	59.4
549	1A	60627	IWB60627	RAC875_c80876_67	59.4
550	1A	49402	IWB49402	Kukri_rep_c109473_80	59.4
551	1A	33406	IWB33406	GENE-3454_74	59.4
552	1A	79855	IWA6145	wsnp_JD_c6544_7697412	59.4
553	1A	38172	IWB38172	Ku_c10813_1122	59.4
554	1A	36631	IWB36631	Jagger_c5280_407	59.4
555	1A	52379	IWB52379	Ra_c64515_242	59.4
556	1A	79856	IWA6146	wsnp_JD_c6544_7697578	59.4
557	1A	77083	IWA2489	wsnp_Ex_c1997_3757496	59.4
558	1A	80253	IWA6729	wsnp_Ku_c23012_32893918	59.7
559	1A	13265	IWB13265	CAP12_c1979_117	59.9
560	1A	65551	IWB65551	TA002402-1350	60.2
561	1A	26566	IWB26566	Excalibur_c44668_382	60.2
562	1A	11547	IWB11547	BS00088136_51	60.2
563	1A	34600	IWB34600	IAAV2694	62.2
564	1A	55	IWB55	BobWhite_c104_89	62.2
565	1A	77125	IWA2541	wsnp_Ex_c20495_29571203	63.0
566	1A	77718	IWA3340	wsnp_Ex_c3145_5812670	63.0
567	1A	31945	IWB31945	GENE-0527_92	63.9
568	1A	28682	IWB28682	Excalibur_c7370_179	63.9
569	1A	75699	IWA530	wsnp_BG263358A_Ta_2_1	64.1
570	1A	75700	IWA531	wsnp_BG263358A_Ta_2_3	64.1
571	1A	38341	IWB38341	Ku_c12688_352	64.1
572	1A	13749	IWB13749	CAP7_c11581_78	65.3
573	1A	36553	IWB36553	Jagger_c3646_235	65.3
574	1A	63334	IWB63334	RAC875_rep_c95460_302	65.3
575	1A	6029	IWB6029	BS00009104_51	67.3
576	1A	21700	IWB21700	Excalibur_c1066_303	67.3
577	1A	78645	IWA4538	wsnp_Ex_c6563_11378915	67.3
578	1A	52960	IWB52960	RAC875_c102343_204	67.3
579	1A	7676	IWB7676	BS00028146_51	67.3
580	1A	76041	IWA1081	wsnp_CAP7_c3472_1623955	67.3
581	1A	12479	IWB12479	BS00110130_51	68.1
582	1A	55855	IWB55855	RAC875_c25814_361	68.7
583	1A	12315	IWB12315	BS00107306_51	68.7
584	1A	12579	IWB12579	BS00110627_51	68.7
585	1A	7289	IWB7289	BS00022848_51	68.9
586	1A	59223	IWB59223	RAC875_c56690_320	69.2
587	1A	10668	IWB10668	BS00073413_51	69.5
588	1A	81018	IWA7754	wsnp_Ra_c22110_31550370	69.8
589	1A	29579	IWB29579	Excalibur_c97157_137	69.8

590	1A	65422	IWB65422	TA001600-1603	69.8
591	1A	23855	IWB23855	Excalibur_c22768_963	69.8
592	1A	36087	IWB36087	IACX5994	69.8
593	1A	77789	IWA3434	wsnp_Ex_c33452_41938013	69.8
594	1A	78075	IWA3805	wsnp_Ex_c41953_48658353	69.8
595	1A	4307	IWB4307	BobWhite_c721_74	69.8
596	1A	62911	IWB62911	RAC875_rep_c72890_63	69.8
597	1A	78074	IWA3804	wsnp_Ex_c41953_48657850	69.8
598	1A	47502	IWB47502	Kukri_c7119_392	69.8
599	1A	55184	IWB55184	RAC875_c21411_162	69.8
600	1A	35025	IWB35025	IAAV544	69.8
601	1A	79787	IWA6042	wsnp_JD_c3973_5044238	69.8
602	1A	4075	IWB4075	BobWhite_c6046_304	69.8
603	1A	31650	IWB31650	GENE-0069_107	69.8
604	1A	77790	IWA3435	wsnp_Ex_c33452_41938159	69.8
605	1A	29580	IWB29580	Excalibur_c97157_65	69.8
606	1A	50892	IWB50892	Ra_c110766_321	70.6
607	1A	3160	IWB3160	BobWhite_c41272_159	70.9
608	1A	75424	IWA136	wsnp_BE443588A_Ta_2_2	70.9
609	1A	75423	IWA135	wsnp_BE443588A_Ta_2_1	70.9
610	1A	78203	IWA3962	wsnp_Ex_c4612_8254533	70.9
611	1A	31625	IWB31625	GENE-0033_233	70.9
612	1A	72493	IWB72493	Tdurum_contig56158_60	70.9
613	1A	64983	IWB64983	RFL_Contig5334_1969	70.9
614	1A	79050	IWA5047	wsnp_Ex_rep_c102067_87314043	70.9
615	1A	73951	IWB73951	Tdurum_contig96086_74	70.9
616	1A	53529	IWB53529	RAC875_c12348_720	70.9
617	1A	1562	IWB1562	BobWhite_c22134_398	71.4
618	1A	68854	IWB68854	Tdurum_contig20183_507	71.4
619	1A	75825	IWA691	wsnp_CAP11_c1815_982483	71.4
620	1A	20162	IWB20162	Ex_c2226_244	71.4
621	1A	10300	IWB10300	BS00068391_51	71.4
622	1A	10986	IWB10986	BS00078085_51	71.4
623	1A	75206	IWB75206	tplb0059d21_1032	71.4
624	1A	11109	IWB11109	BS00080076_51	71.4
625	1A	56724	IWB56724	RAC875_c32379_216	71.4
626	1A	11932	IWB11932	BS00095510_51	71.4
627	1A	72959	IWB72959	Tdurum_contig63715_235	72.2
628	1A	66484	IWB66484	Tdurum_contig10365_341	72.2
629	1A	68479	IWB68479	Tdurum_contig15967_90	72.2
630	1A	54223	IWB54223	RAC875_c16136_129	72.8
631	1A	13164	IWB13164	CAP11_s8920_357	72.8
632	1A	36967	IWB36967	JD_c13024_360	72.8
633	1A	5566	IWB5566	BobWhite_rep_c65812_710	72.8
634	1A	79816	IWA6081	wsnp_JD_c4904_6034093	72.8
635	1A	34750	IWB34750	IAAV3650	72.8
636	1A	79287	IWA5333	wsnp_Ex_rep_c66919_65342127	72.8
637	1A	79601	IWA5754	wsnp_Ex_rep_c81556_76277906	72.8
638	1A	79649	IWA5822	wsnp_JD_c13024_13129681	72.8
639	1A	46495	IWB46495	Kukri_c55266_242	72.8
640	1A	59500	IWB59500	RAC875_c60162_129	72.8
641	1A	76104	IWA1225	wsnp_CAP8_rep_c3938_1936666	72.8
642	1A	1856	IWB1856	BobWhite_c24825_349	72.8
643	1A	34672	IWB34672	IAAV3156	72.8

644	1A	73305	IWB73305	Tdurum_contig75762_377	72.8
645	1A	73306	IWB73306	Tdurum_contig75762_406	72.8
646	1A	72556	IWB72556	Tdurum_contig5711_174	72.8
647	1A	70514	IWB70514	Tdurum_contig34826_234	73.1
648	1A	75349	IWA24	wsnp_BE403322A_Ta_1_1	73.3
649	1A	39248	IWB39248	Ku_c3523_1959	73.3
650	1A	27962	IWB27962	Excalibur_c60388_189	73.6
651	1A	77557	IWA3146	wsnp_Ex_c28149_37293173	73.6
652	1A	36607	IWB36607	Jagger_c468_53	76.9
653	1A	4804	IWB4804	BobWhite_rep_c49755_131	76.9
654	1A	9746	IWB9746	BS00066212_51	78.0
655	1A	42176	IWB42176	Kukri_c19653_1370	78.0
656	1A	52033	IWB52033	Ra_c41164_730	78.3
657	1A	52277	IWB52277	Ra_c5683_2584	78.3
658	1A	37168	IWB37168	JD_c20553_448	78.3
659	1A	79703	IWA5910	wsnp_JD_c20553_18260620	78.3
660	1A	37296	IWB37296	JD_c285_1438	78.9
661	1A	66930	IWB66930	Tdurum_contig11106_264	80.3
662	1A	66931	IWB66931	Tdurum_contig11106_340	80.3
663	1B	8589	IWB8589	BS00050522_51	0.0
664	1B	7273	IWB7273	BS00022820_51	0.3
665	1B	21697	IWB21697	Excalibur_c10657_1280	0.3
666	1B	45437	IWB45437	Kukri_c44369_131	0.3
667	1B	23711	IWB23711	Excalibur_c21898_1423	0.6
668	1B	11788	IWB11788	BS00093078_51	0.8
669	1B	21698	IWB21698	Excalibur_c10657_796	0.8
670	1B	42054	IWB42054	Kukri_c18951_493	1.1
671	1B	11290	IWB11290	BS00083177_51	6.8
672	1B	33252	IWB33252	GENE-3142_72	6.8
673	1B	7123	IWB7123	BS00022505_51	6.8
674	1B	49209	IWB49209	Kukri_rep_c106834_139	6.8
675	1B	47800	IWB47800	Kukri_c79308_278	6.8
676	1B	9761	IWB9761	BS00066271_51	8.8
677	1B	6303	IWB6303	BS00010868_51	8.8
678	1B	7109	IWB7109	BS00022482_51	8.8
679	1B	36466	IWB36466	Jagger_c1888_277	8.8
680	1B	25090	IWB25090	Excalibur_c31375_558	8.8
681	1B	12632	IWB12632	BS00111170_51	8.8
682	1B	47978	IWB47978	Kukri_c8390_1102	8.8
683	1B	56773	IWB56773	RAC875_c32874_1101	8.8
684	1B	26464	IWB26464	Excalibur_c43567_633	8.8
685	1B	26242	IWB26242	Excalibur_c415_844	8.8
686	1B	61101	IWB61101	RAC875_c9457_457	10.4
687	1B	11925	IWB11925	BS00095286_51	10.4
688	1B	28576	IWB28576	Excalibur_c71158_117	10.4
689	1B	34715	IWB34715	IAAV3430	10.7
690	1B	40116	IWB40116	Ku_c8810_895	10.7
691	1B	6905	IWB6905	BS00022101_51	10.7
692	1B	75373	IWA61	wsnp_BE405749B_Ta_2_1	10.7
693	1B	5995	IWB5995	BS00005004_51	10.7
694	1B	12157	IWB12157	BS00100994_51	11.2
695	1B	5922	IWB5922	BS00003917_51	11.2
696	1B	7368	IWB7368	BS00023004_51	11.2
697	1B	44529	IWB44529	Kukri_c36151_170	11.2

698	1B	57219	IWB57219	RAC875_c3692_2287	11.2
699	1B	39278	IWB39278	Ku_c36151_460	11.5
700	1B	6008	IWB6008	BS00006820_51	12.1
701	1B	17979	IWB17979	D_GB5Y7FA01BMOJY_241	12.1
702	1B	31615	IWB31615	GENE-0019_1155	12.1
703	1B	35936	IWB35936	IACX3811	12.1
704	1B	38368	IWB38368	Ku_c1312_1194	12.1
705	1B	59785	IWB59785	RAC875_c63624_753	12.1
706	1B	68307	IWB68307	Tdurum_contig14847_144	12.1
707	1B	71754	IWB71754	Tdurum_contig47083_278	12.1
708	1B	5992	IWB5992	BS00004903_51	12.1
709	1B	12208	IWB12208	BS00103677_51	12.1
710	1B	73112	IWB73112	Tdurum_contig68637_256	12.1
711	1B	12603	IWB12603	BS00110900_51	12.1
712	1B	65827	IWB65827	TA004380-0460	12.1
713	1B	10312	IWB10312	BS00068429_51	12.1
714	1B	26731	IWB26731	Excalibur_c46114_572	12.1
715	1B	43758	IWB43758	Kukri_c29655_194	12.1
716	1B	52473	IWB52473	Ra_c69552_1419	12.1
717	1B	10492	IWB10492	BS00070706_51	12.1
718	1B	65069	IWB65069	RFL_Contig5637_1008	12.1
719	1B	75613	IWA406	wsnp_BE637971B-Ta_1_20	12.1
720	1B	47908	IWB47908	Kukri_c8211_401	12.1
721	1B	9378	IWB9378	BS00064829_51	12.1
722	1B	72908	IWB72908	Tdurum_contig62624_190	12.1
723	1B	12602	IWB12602	BS00110896_51	12.1
724	1B	9956	IWB9956	BS00067097_51	12.1
725	1B	72083	IWB72083	Tdurum_contig50555_1144	12.1
726	1B	72085	IWB72085	Tdurum_contig50555_944	12.1
727	1B	9349	IWB9349	BS00064698_51	12.4
728	1B	73358	IWB73358	Tdurum_contig76266_134	12.6
729	1B	20111	IWB20111	Ex_c21139_812	14.3
730	1B	9714	IWB9714	BS00066092_51	14.3
731	1B	11202	IWB11202	BS00081680_51	15.8
732	1B	14060	IWB14060	CAP7_c3847_204	15.8
733	1B	12475	IWB12475	BS00110121_51	17.2
734	1B	8104	IWB8104	BS00037387_51	17.2
735	1B	72109	IWB72109	Tdurum_contig50667_671	17.2
736	1B	616	IWB616	BobWhite_c14271_1379	17.2
737	1B	3042	IWB3042	BobWhite_c39269_243	17.2
738	1B	34847	IWB34847	IAAV4194	17.2
739	1B	80296	IWA6787	wsnp_Ku_c2620_4980121	18.9
740	1B	78502	IWA4349	wsnp_Ex_c5780_10153638	18.9
741	1B	34093	IWB34093	GENE-4668_244	19.8
742	1B	28467	IWB28467	Excalibur_c6726_357	19.8
743	1B	25424	IWB25424	Excalibur_c34148_481	19.8
744	1B	22398	IWB22398	Excalibur_c14273_1928	19.8
745	1B	64708	IWB64708	RFL_Contig4520_770	20.9
746	1B	44363	IWB44363	Kukri_c34793_360	20.9
747	1B	77155	IWA2583	wsnp_Ex_c2117_3976893	20.9
748	1B	21039	IWB21039	Ex_c64327_523	20.9
749	1B	10650	IWB10650	BS00073199_51	20.9
750	1B	40093	IWB40093	Ku_c8505_1424	20.9
751	1B	9977	IWB9977	BS00067169_51	20.9

752	1B	74050	IWB74050	Tdurum_contig9874_547	20.9
753	1B	69778	IWB69778	Tdurum_contig29380_201	20.9
754	1B	18010	IWB18010	D_GB5Y7FA01D7RZC_302	20.9
755	1B	67669	IWB67669	Tdurum_contig12598_378	20.9
756	1B	70479	IWB70479	Tdurum_contig34049_172	20.9
757	1B	24567	IWB24567	Excalibur_c2732_929	20.9
758	1B	71165	IWB71165	Tdurum_contig42446_1915	20.9
759	1B	67670	IWB67670	Tdurum_contig12598_408	20.9
760	1B	9435	IWB9435	BS00065053_51	21.4
761	1B	12279	IWB12279	BS00106306_51	21.4
762	1B	9932	IWB9932	BS00067003_51	21.4
763	1B	72704	IWB72704	Tdurum_contig60037_441	21.4
764	1B	7923	IWB7923	BS00033333_51	21.4
765	1B	33689	IWB33689	GENE-3956_349	21.4
766	1B	7214	IWB7214	BS00022690_51	21.7
767	1B	62640	IWB62640	RAC875_rep_c70022_1648	21.7
768	1B	60932	IWB60932	RAC875_c8849_134	21.7
769	1B	39999	IWB39999	Ku_c7557_633	21.7
770	1B	35739	IWB35739	IACX13378	21.7
771	1B	34753	IWB34753	IAAV3666	21.7
772	1B	39998	IWB39998	Ku_c7557_607	21.7
773	1B	38801	IWB38801	Ku_c2189_853	21.7
774	1B	20653	IWB20653	Ex_c40520_1484	21.7
775	1B	62561	IWB62561	RAC875_rep_c69360_259	21.7
776	1B	11819	IWB11819	BS00093736_51	21.7
777	1B	76973	IWA2345	wsnp_Ex_c18733_27607958	21.7
778	1B	75635	IWA435	wsnp_BF291549B_Ta_1_1	21.7
779	1B	7392	IWB7392	BS00023044_51	21.7
780	1B	39683	IWB39683	Ku_c5960_496	21.7
781	1B	59519	IWB59519	RAC875_c60360_389	21.7
782	1B	31649	IWB31649	GENE-0065_444	21.7
783	1B	13527	IWB13527	CAP12_c715_102	21.7
784	1B	10361	IWB10361	BS00068779_51	21.7
785	1B	40638	IWB40638	Kukri_c11587_99	21.7
786	1B	6588	IWB6588	BS00013824_51	21.7
787	1B	29154	IWB29154	Excalibur_c8600_2080	21.7
788	1B	7545	IWB7545	BS00024603_51	21.7
789	1B	65684	IWB65684	TA003421-0429	21.7
790	1B	38539	IWB38539	Ku_c16382_213	21.7
791	1B	6368	IWB6368	BS00011205_51	21.7
792	1B	49541	IWB49541	Kukri_rep_c112099_98	21.7
793	1B	66013	IWB66013	TA005764-0704	21.7
794	1B	46851	IWB46851	Kukri_c6027_66	21.7
795	1B	36080	IWB36080	IACX5970	21.7
796	1B	5906	IWB5906	BS00003839_51	21.7
797	1B	52125	IWB52125	Ra_c455_283	21.7
798	1B	41774	IWB41774	Kukri_c17540_394	21.7
799	1B	53143	IWB53143	RAC875_c10659_570	21.7
800	1B	35366	IWB35366	IAAV7575	21.7
801	1B	32353	IWB32353	GENE-1276_68	21.7
802	1B	8572	IWB8572	BS00049927_51	21.7
803	1B	56246	IWB56246	RAC875_c28894_526	21.7
804	1B	11851	IWB11851	BS00094017_51	21.7
805	1B	12387	IWB12387	BS00108806_51	21.7

806	1B	69726	IWB69726	Tdurum_contig29169_84	21.7
807	1B	13028	IWB13028	CAP11_c6999_233	21.7
808	1B	10636	IWB10636	BS00073034_51	21.7
809	1B	81153	IWA7934	wsnp_Ra_c4296_7819139	21.7
810	1B	80839	IWA7504	wsnp_Ku_rep_c71900_71624324	21.7
811	1B	8023	IWB8023	BS00035690_51	21.7
812	1B	7186	IWB7186	BS00022625_51	21.7
813	1B	54028	IWB54028	RAC875_c14902_256	21.7
814	1B	5835	IWB5835	BS00003575_51	21.7
815	1B	34993	IWB34993	IAAV5246	21.7
816	1B	5323	IWB5323	BobWhite_rep_c62985_546	21.7
817	1B	81338	IWA8199	wsnp_Ra_rep_c74968_72704437	21.7
818	1B	65786	IWB65786	TA004123-0331	21.7
819	1B	11797	IWB11797	BS00093231_51	21.7
820	1B	7004	IWB7004	BS00022281_51	21.7
821	1B	46114	IWB46114	Kukri_c5098_1902	21.7
822	1B	10699	IWB10699	BS00073935_51	21.7
823	1B	12288	IWB12288	BS00106581_51	21.7
824	1B	41878	IWB41878	Kukri_c18052_356	21.7
825	1B	8300	IWB8300	BS00042054_51	21.7
826	1B	7193	IWB7193	BS00022648_51	21.7
827	1B	42926	IWB42926	Kukri_c24120_83	21.7
828	1B	7321	IWB7321	BS00022916_51	21.7
829	1B	10153	IWB10153	BS00067800_51	21.7
830	1B	35285	IWB35285	IAAV7043	21.7
831	1B	23525	IWB23525	Excalibur_c20610_251	21.7
832	1B	34864	IWB34864	IAAV4349	21.7
833	1B	34561	IWB34561	IAAV2452	21.7
834	1B	11930	IWB11930	BS00095477_51	21.7
835	1B	10126	IWB10126	BS00067706_51	21.7
836	1B	6592	IWB6592	BS00013901_51	21.7
837	1B	11458	IWB11458	BS00086576_51	21.7
838	1B	11820	IWB11820	BS00093740_51	21.7
839	1B	12000	IWB12000	BS00097433_51	21.7
840	1B	10448	IWB10448	BS00070198_51	21.7
841	1B	25251	IWB25251	Excalibur_c32726_279	21.7
842	1B	9456	IWB9456	BS00065117_51	21.7
843	1B	11576	IWB11576	BS00088672_51	21.7
844	1B	32836	IWB32836	GENE-2162_749	21.7
845	1B	7149	IWB7149	BS00022549_51	21.7
846	1B	61004	IWB61004	RAC875_c90431_275	21.7
847	1B	23524	IWB23524	Excalibur_c20610_149	21.7
848	1B	11931	IWB11931	BS00095478_51	21.7
849	1B	35204	IWB35204	IAAV6464	21.7
850	1B	29275	IWB29275	Excalibur_c89515_95	21.7
851	1B	7703	IWB7703	BS00029013_51	21.7
852	1B	7402	IWB7402	BS00023058_51	21.7
853	1B	6324	IWB6324	BS00010992_51	21.7
854	1B	3038	IWB3038	BobWhite_c39153_131	21.7
855	1B	42309	IWB42309	Kukri_c20401_674	21.7
856	1B	48577	IWB48577	Kukri_rep_c100936_449	22.0
857	1B	9627	IWB9627	BS00065737_51	22.0
858	1B	10080	IWB10080	BS00067567_51	22.0
859	1B	31874	IWB31874	GENE-0427_115	22.0

860	1B	72466	IWB72466	Tdurum_contig55639_241	22.0
861	1B	35774	IWB35774	IACX16577	22.0
862	1B	7589	IWB7589	BS00025736_51	22.0
863	1B	81545	IWA8557	wsnp_RFL_Contig4080_4587633	22.0
864	1B	29515	IWB29515	Excalibur_c95656_129	22.6
865	1B	6522	IWB6522	BS00012068_51	22.6
866	1B	9236	IWB9236	BS00064263_51	22.8
867	1B	9420	IWB9420	BS00064974_51	22.8
868	1B	60993	IWB60993	RAC875_c90169_393	22.8
869	1B	58595	IWB58595	RAC875_c49924_324	22.8
870	1B	68665	IWB68665	Tdurum_contig17609_117	22.8
871	1B	72487	IWB72487	Tdurum_contig56148_382	22.8
872	1B	35982	IWB35982	IACX502	22.8
873	1B	63847	IWB63847	RFL_Contig2160_617	22.8
874	1B	9942	IWB9942	BS00067043_51	22.8
875	1B	9421	IWB9421	BS00064975_51	22.8
876	1B	8781	IWB8781	BS00059502_51	22.8
877	1B	24506	IWB24506	Excalibur_c26936_636	22.8
878	1B	69962	IWB69962	Tdurum_contig30113_214	22.8
879	1B	11695	IWB11695	BS00091126_51	22.8
880	1B	9645	IWB9645	BS00065844_51	22.8
881	1B	45383	IWB45383	Kukri_c4376_388	23.1
882	1B	60710	IWB60710	RAC875_c8271_1352	23.1
883	1B	73550	IWB73550	Tdurum_contig82187_189	23.1
884	1B	72419	IWB72419	Tdurum_contig5501_176	23.1
885	1B	51732	IWB51732	Ra_c29142_340	23.1
886	1B	69254	IWB69254	Tdurum_contig26281_139	23.1
887	1B	56393	IWB56393	RAC875_c29906_275	23.1
888	1B	51586	IWB51586	Ra_c24839_215	23.1
889	1B	35375	IWB35375	IAAV7704	23.1
890	1B	35128	IWB35128	IAAV6	23.1
891	1B	28269	IWB28269	Excalibur_c6417_938	23.1
892	1B	80045	IWA6450	wsnp_Ku_c11987_19473636	23.1
893	1B	24659	IWB24659	Excalibur_c28016_132	23.1
894	1B	23213	IWB23213	Excalibur_c1886_1288	23.1
895	1B	12252	IWB12252	BS00105606_51	23.1
896	1B	63556	IWB63556	RFL_Contig1081_570	23.1
897	1B	51241	IWB51241	Ra_c16879_977	23.1
898	1B	60711	IWB60711	RAC875_c8271_1469	23.1
899	1B	41867	IWB41867	Kukri_c18006_1568	23.1
900	1B	60713	IWB60713	RAC875_c8271_887	23.1
901	1B	35406	IWB35406	IAAV7915	23.1
902	1B	69668	IWB69668	Tdurum_contig28940_690	23.1
903	1B	63352	IWB63352	RAC875_rep_c96733_369	23.1
904	1B	73942	IWB73942	Tdurum_contig95654_237	23.4
905	1B	73332	IWB73332	Tdurum_contig75938_1546	23.7
906	1B	12562	IWB12562	BS00110546_51	23.9
907	1B	28216	IWB28216	Excalibur_c63563_370	24.2
908	1B	60559	IWB60559	RAC875_c79370_378	25.3
909	1B	8598	IWB8598	BS00051105_51	25.9
910	1B	5791	IWB5791	BS00001364_51	26.2
911	1B	47684	IWB47684	Kukri_c7647_1122	26.5
912	1B	65404	IWB65404	TA001473-0980	26.5
913	1B	34533	IWB34533	IAAV2324	26.5

914	1B	6848	IWB6848	BS00021995_51	26.5
915	1B	36013	IWB36013	IACX5756	26.5
916	1B	8726	IWB8726	BS00057730_51	26.5
917	1B	9083	IWB9083	BS00063573_51	26.5
918	1B	9084	IWB9084	BS00063574_51	26.5
919	1B	10333	IWB10333	BS00068512_51	26.5
920	1B	13048	IWB13048	CAP11_c7652_277	26.5
921	1B	21809	IWB21809	Excalibur_c111213_145	26.5
922	1B	32835	IWB32835	GENE-2162_720	26.5
923	1B	34959	IWB34959	IAAV4985	26.5
924	1B	39791	IWB39791	Ku_c66951_958	26.5
925	1B	25250	IWB25250	Excalibur_c32726_125	26.5
926	1B	34046	IWB34046	GENE-4608_569	26.5
927	1B	36003	IWB36003	IACX5712	26.5
928	1B	55211	IWB55211	RAC875_c21598_248	26.5
929	1B	6304	IWB6304	BS00010875_51	26.5
930	1B	6972	IWB6972	BS00022218_51	26.5
931	1B	8875	IWB8875	BS00062632_51	26.5
932	1B	9735	IWB9735	BS00066165_51	26.5
933	1B	10269	IWB10269	BS00068246_51	26.5
934	1B	39667	IWB39667	Ku_c58871_938	26.5
935	1B	47893	IWB47893	Kukri_c81766_107	26.5
936	1B	52544	IWB52544	Ra_c71421_387	26.5
937	1B	68891	IWB68891	Tdurum_contig20702_326	26.5
938	1B	70181	IWB70181	Tdurum_contig31149_408	26.5
939	1B	9464	IWB9464	BS00065139_51	26.7
940	1B	14738	IWB14738	CAP8_c4506_82	26.7
941	1B	20056	IWB20056	Ex_c19477_336	26.7
942	1B	8329	IWB8329	BS00043071_51	26.7
943	1B	36294	IWB36294	IACX8373	27.0
944	1B	6137	IWB6137	BS00009921_51	27.0
945	1B	36303	IWB36303	IACX8452	27.3
946	1B	43472	IWB43472	Kukri_c27690_411	27.3
947	1B	58569	IWB58569	RAC875_c49601_837	27.3
948	1B	8473	IWB8473	BS00047700_51	27.3
949	1B	42173	IWB42173	Kukri_c19641_477	27.3
950	1B	40730	IWB40730	Kukri_c12063_1652	27.3
951	1B	41254	IWB41254	Kukri_c147_1620	27.3
952	1B	7228	IWB7228	BS00022722_51	27.3
953	1B	7485	IWB7485	BS00023302_51	27.3
954	1B	9700	IWB9700	BS00066040_51	27.3
955	1B	10134	IWB10134	BS00067743_51	27.3
956	1B	34783	IWB34783	IAAV3828	27.3
957	1B	11553	IWB11553	BS00088264_51	27.3
958	1B	28335	IWB28335	Excalibur_c6497_535	27.3
959	1B	48992	IWB48992	Kukri_rep_c104432_114	27.3
960	1B	8585	IWB8585	BS00050126_51	27.3
961	1B	10923	IWB10923	BS00077353_51	27.3
962	1B	75203	IWB75203	tplb0059c20_2221	27.3
963	1B	11720	IWB11720	BS00091640_51	27.3
964	1B	8041	IWB8041	BS00036121_51	27.3
965	1B	3839	IWB3839	BobWhite_c5441_151	27.3
966	1B	8588	IWB8588	BS00050457_51	27.3
967	1B	9147	IWB9147	BS00063866_51	27.3

968	1B	12472	IWB12472	BS00110104_51	27.3
969	1B	31006	IWB31006	Excalibur_rep_c68921_433	27.3
970	1B	41306	IWB41306	Kukri_c14968_674	27.3
971	1B	47264	IWB47264	Kukri_c65759_98	27.3
972	1B	58936	IWB58936	RAC875_c53382_120	27.3
973	1B	63258	IWB63258	RAC875_rep_c87552_86	27.3
974	1B	18084	IWB18084	D_GB5Y7FA02GPYE5_185	27.3
975	1B	27619	IWB27619	Excalibur_c56029_277	27.3
976	1B	10660	IWB10660	BS00073373_51	27.3
977	1B	7369	IWB7369	BS00023006_51	27.3
978	1B	7021	IWB7021	BS00022317_51	27.3
979	1B	3176	IWB3176	BobWhite_c4147_1429	27.3
980	1B	25023	IWB25023	Excalibur_c30762_713	27.3
981	1B	10780	IWB10780	BS00075036_51	27.8
982	1B	9998	IWB9998	BS00067247_51	27.8
983	1B	28303	IWB28303	Excalibur_c64533_980	27.8
984	1B	56464	IWB56464	RAC875_c30381_573	27.8
985	1B	52679	IWB52679	Ra_c7855_49	27.8
986	1B	81454	IWA8392	wsnp_RFL_Contig2794_2564017	27.8
987	1B	52497	IWB52497	Ra_c70039_1705	27.8
988	1B	35316	IWB35316	IAAV7260	27.8
989	1B	8141	IWB8141	BS00038778_51	27.8
990	1B	75740	IWA580	wsnp_BG607036B_Ta_1_1	27.8
991	1B	76620	IWA1885	wsnp_Ex_c1429_2745237	27.8
992	1B	21152	IWB21152	Ex_c68416_859	27.8
993	1B	58041	IWB58041	RAC875_c44452_438	27.8
994	1B	51198	IWB51198	Ra_c16069_1820	27.8
995	1B	76619	IWA1884	wsnp_Ex_c1429_2744367	27.8
996	1B	38751	IWB38751	Ku_c20833_518	27.8
997	1B	8100	IWB8100	BS00037306_51	27.8
998	1B	67237	IWB67237	Tdurum_contig11692_131	27.8
999	1B	51977	IWB51977	Ra_c3837_797	27.8
1000	1B	39338	IWB39338	Ku_c3893_771	27.8
1001	1B	57232	IWB57232	RAC875_c37031_312	27.8
1002	1B	52671	IWB52671	Ra_c7745_1438	27.8
1003	1B	48018	IWB48018	Kukri_c84940_106	27.8
1004	1B	6405	IWB6405	BS00011450_51	28.1
1005	1B	31942	IWB31942	GENE-0522_336	28.1
1006	1B	1270	IWB1270	BobWhite_c19327_314	28.1
1007	1B	40931	IWB40931	Kukri_c12936_1505	28.1
1008	1B	507	IWB507	BobWhite_c13450_2100	28.1
1009	1B	3233	IWB3233	BobWhite_c4236_410	28.1
1010	1B	78993	IWA4975	wsnp_Ex_c9902_16309166	28.1
1011	1B	13782	IWB13782	CAP7_c1241_128	28.1
1012	1B	81581	IWA8619	wsnp_RFL_Contig4726_5654774	28.1
1013	1B	74353	IWB74353	tplb0029b01_123	28.1
1014	1B	6906	IWB6906	BS00022104_51	28.1
1015	1B	81008	IWA7737	wsnp_Ra_c21132_30487331	28.1
1016	1B	60321	IWB60321	RAC875_c7236_3265	28.1
1017	1B	74352	IWB74352	tplb0029b01_1022	28.1
1018	1B	31560	IWB31560	Excalibur_s113941_196	28.1
1019	1B	77933	IWA3620	wsnp_Ex_c37635_45347415	28.1
1020	1B	9149	IWB9149	BS00063885_51	28.1
1021	1B	31756	IWB31756	GENE-0227_217	28.1

1022	1B	47788	IWB47788	Kukri_c7902_438	28.1
1023	1B	25220	IWB25220	Excalibur_c32608_500	28.1
1024	1B	30892	IWB30892	Excalibur_rep_c67757_264	28.1
1025	1B	30161	IWB30161	Excalibur_rep_c106001_513	28.1
1026	1B	669	IWB669	BobWhite_c1456_615	28.1
1027	1B	43992	IWB43992	Kukri_c31554_437	28.1
1028	1B	78532	IWA4389	wsnp_Ex_c5947_10431109	28.1
1029	1B	23218	IWB23218	Excalibur_c18876_334	28.1
1030	1B	6209	IWB6209	BS00010352_51	28.1
1031	1B	34608	IWB34608	IAAV2764	28.1
1032	1B	9281	IWB9281	BS00064438_51	28.4
1033	1B	45947	IWB45947	Kukri_c49091_415	28.4
1034	1B	73157	IWB73157	Tdurum_contig69821_141	28.4
1035	1B	73504	IWB73504	Tdurum_contig81435_288	28.4
1036	1B	80147	IWA6581	wsnp_Ku_c16117_24917524	28.4
1037	1B	80372	IWA6890	wsnp_Ku_c30982_40765254	28.4
1038	1B	12179	IWB12179	BS00101500_51	28.4
1039	1B	461	IWB461	BobWhite_c1318_691	28.4
1040	1B	4355	IWB4355	BobWhite_c7577_69	28.4
1041	1B	14360	IWB14360	CAP7_rep_c10850_139	28.4
1042	1B	20542	IWB20542	Ex_c34713_501	28.4
1043	1B	31732	IWB31732	GENE-0193_197	28.4
1044	1B	34448	IWB34448	IAAV178	28.4
1045	1B	51549	IWB51549	Ra_c23839_884	28.4
1046	1B	72329	IWB72329	Tdurum_contig53888_107	28.4
1047	1B	75426	IWA139	wsnp_be443797B_Ta_2_1	28.4
1048	1B	6034	IWB6034	BS00009270_51	28.4
1049	1B	7211	IWB7211	BS00022687_51	28.4
1050	1B	11507	IWB11507	BS00087451_51	28.4
1051	1B	22947	IWB22947	Excalibur_c1729_841	28.4
1052	1B	35618	IWB35618	IACX1008	28.4
1053	1B	36198	IWB36198	IACX7450	28.4
1054	1B	72174	IWB72174	Tdurum_contig51348_326	28.4
1055	1B	820	IWB820	BobWhite_c15603_69	28.4
1056	1B	7716	IWB7716	BS00029345_51	28.4
1057	1B	8913	IWB8913	BS00062740_51	28.4
1058	1B	35383	IWB35383	IAAV7757	28.4
1059	1B	41024	IWB41024	Kukri_c13349_176	28.4
1060	1B	41126	IWB41126	Kukri_c13976_96	28.4
1061	1B	49892	IWB49892	Kukri_rep_c69383_83	28.4
1062	1B	50113	IWB50113	Kukri_rep_c71291_155	28.4
1063	1B	57824	IWB57824	RAC875_c42206_305	28.4
1064	1B	62725	IWB62725	RAC875_rep_c70803_1442	28.4
1065	1B	67337	IWB67337	Tdurum_contig11877_429	28.4
1066	1B	77679	IWA3295	wsnp_Ex_c30805_39678077	28.4
1067	1B	77940	IWA3631	wsnp_Ex_c38116_45719983	28.4
1068	1B	80435	IWA6965	wsnp_Ku_c3710_6836438	28.4
1069	1B	6103	IWB6103	BS00009731_51	28.4
1070	1B	73662	IWB73662	Tdurum_contig84184_124	28.4
1071	1B	76768	IWA2073	wsnp_Ex_c15934_24341135	28.4
1072	1B	7114	IWB7114	BS00022490_51	28.4
1073	1B	13381	IWB13381	CAP12_c3646_110	28.4
1074	1B	55320	IWB55320	RAC875_c22244_61	28.4
1075	1B	40376	IWB40376	Kukri_c10593_1064	28.4

1076	1B	79264	IWA5304	wsnp_Ex_rep_c66802_65172754	28.4
1077	1B	40109	IWB40109	Ku_c8767_1245	28.4
1078	1B	49345	IWB49345	Kukri_rep_c108436_534	28.4
1079	1B	51448	IWB51448	Ra_c21902_654	28.4
1080	1B	72789	IWB72789	Tdurum_contig61425_242	28.4
1081	1B	78544	IWA4402	wsnp_Ex_c6022_10552811	28.4
1082	1B	44741	IWB44741	Kukri_c37856_492	28.4
1083	1B	7205	IWB7205	BS00022670_51	28.4
1084	1B	81422	IWA8337	wsnp_RFL_Contig2446_2008649	28.4
1085	1B	5843	IWB5843	BS00003600_51	28.4
1086	1B	6787	IWB6787	BS00021900_51	28.4
1087	1B	58051	IWB58051	RAC875_c44575_561	28.4
1088	1B	80717	IWA7343	wsnp_Ku_c9014_15193623	28.4
1089	1B	47949	IWB47949	Kukri_c8308_245	28.4
1090	1B	77489	IWA3048	wsnp_Ex_c26419_35667216	28.4
1091	1B	79445	IWA5546	wsnp_Ex_rep_c68573_67416138	28.4
1092	1B	6386	IWB6386	BS00011333_51	28.4
1093	1B	44740	IWB44740	Kukri_c37856_123	28.4
1094	1B	47697	IWB47697	Kukri_c76762_166	28.4
1095	1B	66113	IWB66113	TA013374-0567	28.4
1096	1B	71800	IWB71800	Tdurum_contig47456_182	28.4
1097	1B	72330	IWB72330	Tdurum_contig53888_350	28.4
1098	1B	24786	IWB24786	Excalibur_c29029_424	28.4
1099	1B	50050	IWB50050	Kukri_rep_c70738_896	28.4
1100	1B	39421	IWB39421	Ku_c42700_2798	28.4
1101	1B	49891	IWB49891	Kukri_rep_c69383_56	28.4
1102	1B	67338	IWB67338	Tdurum_contig11877_785	28.4
1103	1B	70974	IWB70974	Tdurum_contig42182_6396	28.4
1104	1B	8611	IWB8611	BS00052075_51	28.4
1105	1B	26008	IWB26008	Excalibur_c39191_82	28.4
1106	1B	9008	IWB9008	BS00063113_51	28.4
1107	1B	39629	IWB39629	Ku_c56327_481	28.4
1108	1B	50916	IWB50916	Ra_c11303_359	28.4
1109	1B	8257	IWB8257	BS00041010_51	28.4
1110	1B	34334	IWB34334	IAAV1158	28.4
1111	1B	6409	IWB6409	BS00011465_51	28.4
1112	1B	26258	IWB26258	Excalibur_c4163_387	29.2
1113	1B	35461	IWB35461	IAAV8347	29.2
1114	1B	60240	IWB60240	RAC875_c6905_776	29.2
1115	1B	10444	IWB10444	BS00070139_51	29.2
1116	1B	27852	IWB27852	Excalibur_c59016_839	29.2
1117	1B	42397	IWB42397	Kukri_c20927_339	29.2
1118	1B	72597	IWB72597	Tdurum_contig57731_162	29.2
1119	1B	75400	IWA106	wsnp_BE442716B-Ta_2_1	29.2
1120	1B	10555	IWB10555	BS00071555_51	29.2
1121	1B	10897	IWB10897	BS00076696_51	29.2
1122	1B	12484	IWB12484	BS00110148_51	29.2
1123	1B	40763	IWB40763	Kukri_c12151_769	29.2
1124	1B	47637	IWB47637	Kukri_c75399_226	29.2
1125	1B	70319	IWB70319	Tdurum_contig32033_334	29.2
1126	1B	71459	IWB71459	Tdurum_contig43910_687	29.2
1127	1B	65324	IWB65324	RFL_Contig981_1985	29.2
1128	1B	69081	IWB69081	Tdurum_contig25434_209	29.2
1129	1B	71457	IWB71457	Tdurum_contig43910_1113	29.2

1130	1B	75173	IWB75173	tplb0058h11_348	29.2
1131	1B	221	IWB221	BobWhite_c11460_291	29.2
1132	1B	12485	IWB12485	BS00110149_51	29.2
1133	1B	192	IWB192	BobWhite_c11235_370	29.2
1134	1B	8804	IWB8804	BS00060270_51	29.2
1135	1B	35253	IWB35253	IAAV6825	29.2
1136	1B	56778	IWB56778	RAC875_c32894_1038	29.2
1137	1B	59327	IWB59327	RAC875_c5796_424	29.2
1138	1B	62805	IWB62805	RAC875_rep_c71685_445	29.2
1139	1B	35871	IWB35871	IACX2701	29.2
1140	1B	71008	IWB71008	Tdurum_contig42217_127	29.2
1141	1B	6815	IWB6815	BS00021947_51	29.2
1142	1B	10823	IWB10823	BS00075663_51	29.2
1143	1B	69736	IWB69736	Tdurum_contig29228_114	29.2
1144	1B	69863	IWB69863	Tdurum_contig29676_141	29.2
1145	1B	72598	IWB72598	Tdurum_contig57731_225	29.2
1146	1B	75361	IWA44	wsnp_BE403956B_Ta_2_3	29.2
1147	1B	40762	IWB40762	Kukri_c12151_467	29.2
1148	1B	70318	IWB70318	Tdurum_contig32033_125	29.2
1149	1B	73480	IWB73480	Tdurum_contig8081_2331	29.2
1150	1B	73732	IWB73732	Tdurum_contig87816_268	29.2
1151	1B	11880	IWB11880	BS00094498_51	29.2
1152	1B	7163	IWB7163	BS00022581_51	29.2
1153	1B	10524	IWB10524	BS00071083_51	29.2
1154	1B	27773	IWB27773	Excalibur_c57972_116	29.2
1155	1B	37720	IWB37720	JD_c64600_281	29.2
1156	1B	11881	IWB11881	BS00094499_51	29.2
1157	1B	31759	IWB31759	GENE-0235_131	29.2
1158	1B	31782	IWB31782	GENE-0283_96	29.2
1159	1B	38394	IWB38394	Ku_c13515_171	29.2
1160	1B	36032	IWB36032	IACX5814	29.2
1161	1B	6458	IWB6458	BS00011712_51	29.2
1162	1B	10049	IWB10049	BS00067434_51	29.2
1163	1B	56779	IWB56779	RAC875_c32894_1116	29.2
1164	1B	75401	IWA107	wsnp_BE442716B_Ta_2_2	29.2
1165	1B	12002	IWB12002	BS00097477_51	29.2
1166	1B	33215	IWB33215	GENE-3085_533	29.2
1167	1B	69662	IWB69662	Tdurum_contig28899_127	29.2
1168	1B	6814	IWB6814	BS00021946_51	29.2
1169	1B	26257	IWB26257	Excalibur_c4163_176	29.2
1170	1B	7939	IWB7939	BS00033681_51	29.8
1171	1B	10997	IWB10997	BS00078228_51	29.8
1172	1B	69550	IWB69550	Tdurum_contig28530_380	29.8
1173	1B	6921	IWB6921	BS00022133_51	30.3
1174	1B	72646	IWB72646	Tdurum_contig59449_249	32.6
1175	1B	44100	IWB44100	Kukri_c32430_109	32.6
1176	1B	60912	IWB60912	RAC875_c87890_234	32.6
1177	1B	65666	IWB65666	TA003238-0490	32.6
1178	1B	70166	IWB70166	Tdurum_contig31094_386	32.6
1179	1B	80473	IWA7017	wsnp_Ku_c39862_48205590	32.6
1180	1B	17725	IWB17725	D_GA8KES401BNLTU_253	32.9
1181	1B	7365	IWB7365	BS00023001_51	32.9
1182	1B	67838	IWB67838	Tdurum_contig13044_268	32.9
1183	1B	69772	IWB69772	Tdurum_contig29363_511	32.9

1184	1B	35922	IWB35922	IACX3408	32.9
1185	1B	8272	IWB8272	BS00041355_51	32.9
1186	1B	71511	IWB71511	Tdurum_contig44232_132	32.9
1187	1B	69973	IWB69973	Tdurum_contig30195_318	32.9
1188	1B	65754	IWB65754	TA003900-0407	35.2
1189	1B	12819	IWB12819	CAP11_c2974_53	35.2
1190	1B	8182	IWB8182	BS00039583_51	35.2
1191	1B	7180	IWB7180	BS00022615_51	35.2
1192	1B	76778	IWA2084	wsnp_Ex_c1600_3051075	35.2
1193	1B	7684	IWB7684	BS00028318_51	35.2
1194	1B	80881	IWA7560	wsnp_Ra_c11232_18256748	35.2
1195	1B	78392	IWA4203	wsnp_Ex_c53976_57027635	35.2
1196	1B	29900	IWB29900	Excalibur_rep_c103109_88	35.2
1197	1B	68865	IWB68865	Tdurum_contig20299_368	35.2
1198	1B	81187	IWA7982	wsnp_Ra_c5088_9081927	35.2
1199	1B	6916	IWB6916	BS00022124_51	35.2
1200	1B	6521	IWB6521	BS00012056_51	35.2
1201	1B	35635	IWB35635	IACX10809	35.2
1202	1B	68866	IWB68866	Tdurum_contig20299_508	35.2
1203	1B	68867	IWB68867	Tdurum_contig20299_601	35.2
1204	1B	68864	IWB68864	Tdurum_contig20299_142	35.2
1205	1B	72962	IWB72962	Tdurum_contig63834_340	35.2
1206	1B	72078	IWB72078	Tdurum_contig50473_889	35.2
1207	1B	81042	IWA7787	wsnp_Ra_c25590_35156699	35.4
1208	1B	70168	IWB70168	Tdurum_contig31102_299	35.4
1209	1B	35683	IWB35683	IACX11291	35.4
1210	1B	5737	IWB5737	BS00000066_51	35.4
1211	1B	60940	IWB60940	RAC875_c8888_802	35.4
1212	1B	36034	IWB36034	IACX5821	35.4
1213	1B	76679	IWA1959	wsnp_Ex_c1495_2864718	35.4
1214	1B	859	IWB859	BobWhite_c16005_289	35.4
1215	1B	75733	IWA573	wsnp_BG606586B_Ta_2_13	35.4
1216	1B	79618	IWA5779	wsnp_JD_c11014_11565501	35.4
1217	1B	12292	IWB12292	BS00106626_51	35.4
1218	1B	7235	IWB7235	BS00022742_51	35.4
1219	1B	36348	IWB36348	IACX9097	35.4
1220	1B	36395	IWB36395	IACX9622	35.4
1221	1B	6174	IWB6174	BS00010130_51	35.4
1222	1B	46559	IWB46559	Kukri_c559_193	35.4
1223	1B	6504	IWB6504	BS00011973_51	36.0
1224	1B	52956	IWB52956	RAC875_c102223_220	36.0
1225	1B	47566	IWB47566	Kukri_c73734_175	36.3
1226	1B	9693	IWB9693	BS00066007_51	36.3
1227	1B	14729	IWB14729	CAP8_c4452_431	36.5
1228	1B	76106	IWA1231	wsnp_CAP8_rep_c4452_2170021	36.5
1229	1B	75880	IWA775	wsnp_CAP11_c543_375403	36.5
1230	1B	11968	IWB11968	BS00096719_51	38.5
1231	1B	71350	IWB71350	Tdurum_contig42755_886	38.8
1232	1B	76625	IWA1890	wsnp_Ex_c1440_2764867	38.8
1233	1B	73964	IWB73964	Tdurum_contig969_209	38.8
1234	1B	49534	IWB49534	Kukri_rep_c111991_498	38.8
1235	1B	76624	IWA1889	wsnp_Ex_c1440_2764269	38.8
1236	1B	61131	IWB61131	RAC875_c95548_156	38.8
1237	1B	11261	IWB11261	BS00082521_51	39.1

1238	1B	28518	IWB28518	Excalibur_c6892_274	39.1
1239	1B	30252	IWB30252	Excalibur_rep_c107218_71	39.1
1240	1B	73016	IWB73016	Tdurum_contig65046_52	39.1
1241	1B	43583	IWB43583	Kukri_c28631_607	39.1
1242	1B	12327	IWB12327	BS00107749_51	39.1
1243	1B	31807	IWB31807	GENE-0331_314	39.1
1244	1B	11372	IWB11372	BS00084570_51	39.1
1245	1B	5184	IWB5184	BobWhite_rep_c57575_65	39.1
1246	1B	71596	IWB71596	Tdurum_contig45301_876	39.4
1247	1B	45575	IWB45575	Kukri_c45852_78	39.4
1248	1B	9175	IWB9175	BS00064032_51	39.4
1249	1B	22507	IWB22507	Excalibur_c14911_466	40.7
1250	1B	73514	IWB73514	Tdurum_contig8158_269	40.7
1251	1B	72551	IWB72551	Tdurum_contig57101_1616	40.7
1252	1B	72549	IWB72549	Tdurum_contig57101_1235	40.7
1253	1B	72552	IWB72552	Tdurum_contig57101_2158	40.7
1254	1B	72550	IWB72550	Tdurum_contig57101_1349	40.7
1255	1B	59152	IWB59152	RAC875_c55891_659	40.7
1256	1B	8187	IWB8187	BS00039740_51	41.0
1257	1B	70037	IWB70037	Tdurum_contig30517_174	42.1
1258	1B	29348	IWB29348	Excalibur_c9149_1789	42.1
1259	1B	29347	IWB29347	Excalibur_c9149_1326	42.1
1260	1B	21824	IWB21824	Excalibur_c112015_118	42.1
1261	1B	70039	IWB70039	Tdurum_contig30517_578	42.1
1262	1B	70038	IWB70038	Tdurum_contig30517_310	42.1
1263	1B	63960	IWB63960	RFL_Contig2484_1065	42.4
1264	1B	34848	IWB34848	IAAV420	42.4
1265	1B	67865	IWB67865	Tdurum_contig13117_1316	42.4
1266	1B	7846	IWB7846	BS00031596_51	42.4
1267	1B	67259	IWB67259	Tdurum_contig11720_924	42.4
1268	1B	61640	IWB61640	RAC875_rep_c106876_558	42.4
1269	1B	61639	IWB61639	RAC875_rep_c106876_446	42.4
1270	1B	24642	IWB24642	Excalibur_c27915_560	42.9
1271	1B	9918	IWB9918	BS00066944_51	44.0
1272	1B	27934	IWB27934	Excalibur_c60106_73	44.0
1273	1B	35875	IWB35875	IACX2852	44.0
1274	1B	5761	IWB5761	BS00000651_51	44.0
1275	1B	65947	IWB65947	TA005251-0278	44.0
1276	1B	10381	IWB10381	BS00069125_51	44.0
1277	1B	7621	IWB7621	BS00026338_51	44.0
1278	1B	36152	IWB36152	IACX6404	44.0
1279	1B	5965	IWB5965	BS00004328_51	44.0
1280	1B	65251	IWB65251	RFL_Contig7_380	44.0
1281	1B	29471	IWB29471	Excalibur_c94658_59	44.3
1282	1B	8867	IWB8867	BS00062607_51	44.3
1283	1B	9781	IWB9781	BS00066338_51	44.3
1284	1B	9548	IWB9548	BS00065443_51	45.0
1285	1B	69351	IWB69351	Tdurum_contig27860_478	45.6
1286	1B	13742	IWB13742	CAP7_c1137_53	45.6
1287	1B	63852	IWB63852	RFL_Contig2176_1111	46.2
1288	1B	63853	IWB63853	RFL_Contig2176_1163	46.2
1289	1B	41127	IWB41127	Kukri_c13978_132	46.2
1290	1B	9208	IWB9208	BS00064162_51	46.2
1291	1B	69337	IWB69337	Tdurum_contig27843_142	46.2

1292	1B	63855	IWB63855	RFL_Contig2176_932	46.2
1293	1B	7410	IWB7410	BS00023071_51	46.2
1294	1B	73681	IWB73681	Tdurum_contig85180_99	46.2
1295	1B	26591	IWB26591	Excalibur_c44818_109	46.2
1296	1B	58887	IWB58887	RAC875_c52957_154	46.2
1297	1B	64091	IWB64091	RFL_Contig2826_1274	48.5
1298	1B	10243	IWB10243	BS00068161_51	48.5
1299	1B	2667	IWB2667	BobWhite_c34030_646	48.5
1300	1B	64094	IWB64094	RFL_Contig2826_614	48.5
1301	1B	58355	IWB58355	RAC875_c47427_235	48.5
1302	1B	11283	IWB11283	BS00083060_51	48.5
1303	1B	4407	IWB4407	BobWhite_c8016_301	48.5
1304	1B	28434	IWB28434	Excalibur_c66196_256	49.0
1305	1B	81365	IWA8246	wsnp_RFL_Contig1493_681815	49.0
1306	1B	64555	IWB64555	RFL_Contig399_859	49.3
1307	1B	72580	IWB72580	Tdurum_contig57479_236	49.3
1308	1B	77464	IWA3017	wsnp_Ex_c26083_35336771	49.3
1309	1B	18556	IWB18556	D_GBUVHFX01API9H_416	52.2
1310	1B	13134	IWB13134	CAP11_rep_c7035_189	52.2
1311	1B	11958	IWB11958	BS00096498_51	53.0
1312	1B	54063	IWB54063	RAC875_c15190_1089	53.0
1313	1B	6808	IWB6808	BS00021938_51	53.0
1314	1B	35890	IWB35890	IACX2961	53.0
1315	1B	1416	IWB1416	BobWhite_c20621_683	53.3
1316	1B	79597	IWA5749	wsnp_Ex_rep_c78209_74462664	53.3
1317	1B	5074	IWB5074	BobWhite_rep_c54139_273	53.3
1318	1B	3330	IWB3330	BobWhite_c4375_347	53.3
1319	1B	1415	IWB1415	BobWhite_c20621_541	53.3
1320	1B	10069	IWB10069	BS00067526_51	54.1
1321	1B	23869	IWB23869	Excalibur_c22845_180	55.2
1322	1B	41897	IWB41897	Kukri_c18109_682	55.2
1323	1B	60344	IWB60344	RAC875_c7357_1107	55.2
1324	1B	41896	IWB41896	Kukri_c18109_649	55.2
1325	1B	12325	IWB12325	BS00107675_51	55.2
1326	1B	6947	IWB6947	BS00022176_51	55.2
1327	1B	77837	IWA3497	wsnp_Ex_c34765_43024979	59.3
1328	1B	1371	IWB1371	BobWhite_c2027_215	59.9
1329	1B	51317	IWB51317	Ra_c18630_284	59.9
1330	1B	44898	IWB44898	Kukri_c39223_831	59.9
1331	1B	77524	IWA3097	wsnp_Ex_c27176_36393952	59.9
1332	1B	1304	IWB1304	BobWhite_c19733_149	60.1
1333	1B	56046	IWB56046	RAC875_c27273_334	60.1
1334	1B	35108	IWB35108	IAAV5863	60.7
1335	1B	80782	IWA7422	wsnp_Ku_rep_c107952_93214466	61.5
1336	1B	35340	IWB35340	IAAV7428	61.5
1337	1B	60663	IWB60663	RAC875_c818_1185	61.5
1338	1B	9116	IWB9116	BS00063721_51	62.1
1339	1B	26319	IWB26319	Excalibur_c42301_54	62.4
1340	1B	5810	IWB5810	BS00002484_51	63.5
1341	1B	10454	IWB10454	BS00070285_51	63.5
1342	1B	6805	IWB6805	BS00021934_51	63.8
1343	1B	69649	IWB69649	Tdurum_contig28853_142	64.7
1344	1B	27173	IWB27173	Excalibur_c50785_525	64.7
1345	1B	46397	IWB46397	Kukri_c5407_192	64.7

1346	1B	73738	IWB73738	Tdurum_contig8840_575	66.7
1347	1B	73737	IWB73737	Tdurum_contig8840_540	66.7
1348	1B	73736	IWB73736	Tdurum_contig8840_237	66.7
1349	1B	36293	IWB36293	IACX8359	66.7
1350	1B	11885	IWB11885	BS00094562_51	66.7
1351	1B	8840	IWB8840	BS00061472_51	67.3
1352	1B	65780	IWB65780	TA004059-0492	70.3
1353	1B	44606	IWB44606	Kukri_c36758_140	70.3
1354	1B	69701	IWB69701	Tdurum_contig29087_628	70.5
1355	1B	69702	IWB69702	Tdurum_contig29087_757	70.5
1356	1B	72561	IWB72561	Tdurum_contig57153_1356	70.5
1357	1B	31646	IWB31646	GENE-0063_68	70.5
1358	1B	13473	IWB13473	CAP12_c590_307	70.5
1359	1B	43860	IWB43860	Kukri_c30490_328	72.8
1360	1B	31676	IWB31676	GENE-0115_375	72.8
1361	1B	81420	IWA8332	wsnp_RFL_Contig2403_1927045	72.8
1362	1B	81191	IWA7992	wsnp_Ra_c53181_56932563	72.8
1363	1B	41924	IWB41924	Kukri_c18230_1633	72.8
1364	1B	59155	IWB59155	RAC875_c55934_165	72.8
1365	1B	4454	IWB4454	BobWhite_c8293_236	73.1
1366	1B	75925	IWA846	wsnp_CAP11_rep_c4138_1957291	73.1
1367	1B	48895	IWB48895	Kukri_rep_c103550_213	73.1
1368	1B	75926	IWA848	wsnp_CAP11_rep_c4138_1957470	73.1
1369	1B	8096	IWB8096	BS00037246_51	73.4
1370	1B	65512	IWB65512	TA002215-1444	73.4
1371	1B	8097	IWB8097	BS00037250_51	73.4
1372	1B	78150	IWA3892	wsnp_Ex_c4436_7981037	73.4
1373	1B	78151	IWA3893	wsnp_Ex_c4436_7981188	73.4
1374	1B	20729	IWB20729	Ex_c4436_1947	73.4
1375	1B	22618	IWB22618	Excalibur_c15389_501	73.4
1376	1B	47986	IWB47986	Kukri_c8395_1352	73.4
1377	1B	34935	IWB34935	IAAV4844	73.4
1378	1B	73865	IWB73865	Tdurum_contig93330_263	77.2
1379	1B	78249	IWA4022	wsnp_Ex_c48407_53323801	77.2
1380	1B	31941	IWB31941	GENE-0514_210	77.2
1381	1B	73912	IWB73912	Tdurum_contig94450_255	77.2
1382	1B	66474	IWB66474	Tdurum_contig10354_170	77.4
1383	1B	6778	IWB6778	BS00021877_51	77.4
1384	1B	41450	IWB41450	Kukri_c15757_1117	77.4
1385	1B	56410	IWB56410	RAC875_c3001_1236	77.4
1386	1B	21823	IWB21823	Excalibur_c11190_617	77.4
1387	1B	66475	IWB66475	Tdurum_contig10354_270	77.4
1388	1B	71704	IWB71704	Tdurum_contig46647_623	77.4
1389	1B	40850	IWB40850	Kukri_c1259_864	77.7
1390	1B	1342	IWB1342	BobWhite_c20073_443	85.3
1391	1B	31957	IWB31957	GENE-0543_201	87.3
1392	1B	62079	IWB62079	RAC875_rep_c111730_97	87.5
1393	1B	49442	IWB49442	Kukri_rep_c110309_129	87.5
1394	1B	71898	IWB71898	Tdurum_contig4851_653	87.5
1395	1B	9889	IWB9889	BS00066805_51	87.5
1396	1B	20993	IWB20993	Ex_c6112_1248	87.5
1397	1B	71971	IWB71971	Tdurum_contig49509_606	87.5
1398	1B	70859	IWB70859	Tdurum_contig42108_958	87.5
1399	1B	11265	IWB11265	BS00082577_51	87.5

1400	1B	78964	IWA4935	wsnp_Ex_c955_1827567	87.5
1401	1B	38247	IWB38247	Ku_c11537_539	87.5
1402	1B	41609	IWB41609	Kukri_c16608_659	87.8
1403	1B	72625	IWB72625	Tdurum_contig58710_411	87.8
1404	1B	80094	IWA6511	wsnp_Ku_c13952_22097856	87.8
1405	1B	12221	IWB12221	BS00104270_51	87.8
1406	1B	63988	IWB63988	RFL_Contig2550_679	87.8
1407	1B	72218	IWB72218	Tdurum_contig51922_676	87.8
1408	1B	72626	IWB72626	Tdurum_contig58710_516	87.8
1409	1B	24349	IWB24349	Excalibur_c25640_110	87.8
1410	1B	71384	IWB71384	Tdurum_contig42960_865	87.8
1411	1B	7641	IWB7641	BS00027006_51	87.8
1412	1B	73820	IWB73820	Tdurum_contig92835_177	87.8
1413	1D	29495	IWB29495	Excalibur_c9509_1180	0.0
1414	1D	11805	IWB11805	BS00093336_51	0.0
1415	1D	47116	IWB47116	Kukri_c64049_279	0.0
1416	1D	11803	IWB11803	BS00093325_51	0.0
1417	1D	44563	IWB44563	Kukri_c36351_64	0.0
1418	1D	19471	IWB19471	D_GDS7LZN02IXNP1_255	0.0
1419	1D	58459	IWB58459	RAC875_c48669_292	0.0
1420	1D	53205	IWB53205	RAC875_c10925_1887	0.0
1421	1D	42917	IWB42917	Kukri_c2408_784	0.0
1422	1D	46457	IWB46457	Kukri_c54820_382	0.0
1423	1D	15585	IWB15585	D_contig10739_363	1.5
1424	1D	78041	IWA3753	wsnp_Ex_c41048_47969948	1.5
1425	1D	79763	IWA5996	wsnp_JD_c3091_4079762	1.5
1426	1D	5769	IWB5769	BS00000744_51	1.5
1427	1D	8742	IWB8742	BS00058612_51	3.8
1428	1D	5897	IWB5897	BS00003806_51	4.1
1429	1D	59230	IWB59230	RAC875_c56811_258	9.9
1430	1D	28966	IWB28966	Excalibur_c8065_1275	10.2
1431	1D	44725	IWB44725	Kukri_c37718_187	10.2
1432	1D	38211	IWB38211	Ku_c111306_371	10.2
1433	1D	36527	IWB36527	Jagger_c3179_499	10.2
1434	1D	38212	IWB38212	Ku_c111306_399	10.2
1435	1D	30124	IWB30124	Excalibur_rep_c105429_528	10.2
1436	1D	30125	IWB30125	Excalibur_rep_c105429_654	10.2
1437	1D	76546	IWA1789	wsnp_Ex_c1358_2602235	10.4
1438	1D	47970	IWB47970	Kukri_c837_436	10.4
1439	1D	76921	IWA2269	wsnp_Ex_c17884_26647952	10.4
1440	1D	76544	IWA1787	wsnp_Ex_c1358_2600929	10.4
1441	1D		cf15		12.1
1442	1D	576	IWB576	BobWhite_c14032_133	15.1
1443	1D	79317	IWA5371	wsnp_Ex_rep_c67198_65703538	15.1
1444	1D	577	IWB577	BobWhite_c14032_277	15.1
1445	1D	41724	IWB41724	Kukri_c17177_1575	15.1
1446	1D	38400	IWB38400	Ku_c13622_482	15.1
1447	1D	80174	IWA6621	wsnp_Ku_c17177_26216230	15.1
1448	1D	80087	IWA6500	wsnp_Ku_c13622_21660346	15.1
1449	1D	22674	IWB22674	Excalibur_c15692_532	16.2
1450	1D	75838	IWA713	wsnp_CAP11_c2307_1200406	16.2
1451	1D	11602	IWB11602	BS00089269_51	16.2
1452	1D	22866	IWB22866	Excalibur_c16851_142	16.2
1453	1D	11603	IWB11603	BS00089270_51	16.2

1454	1D	55539	IWB55539	RAC875_c23587_548	16.2
1455	1D	63609	IWB63609	RFL_Contig1338_2062	16.2
1456	1D	10735	IWB10735	BS00074370_51	16.2
1457	1D	65070	IWB65070	RFL_Contig5639_1168	16.2
1458	1D	14612	IWB14612	CAP8_c2401_433	16.7
1459	1D	14343	IWB14343	CAP7_c973_156	16.7
1460	1D	27614	IWB27614	Excalibur_c55959_651	16.7
1461	1D	35395	IWB35395	IAAV7856	16.7
1462	1D	18113	IWB18113	D_GB5Y7FA02I369B_378	17.0
1463	1D	60471	IWB60471	RAC875_c7752_145	17.0
1464	1D	60470	IWB60470	RAC875_c7752_1223	17.0
1465	1D	60473	IWB60473	RAC875_c7752_549	17.0
1466	1D	18072	IWB18072	D_GB5Y7FA02G8CHU_124	17.0
1467	1D	60472	IWB60472	RAC875_c7752_2913	17.0
1468	1D	21002	IWB21002	Ex_c6145_2193	17.0
1469	1D	21003	IWB21003	Ex_c6145_833	17.0
1470	1D	15128	IWB15128	D_contig00332_312	17.3
1471	1D	31245	IWB31245	Excalibur_rep_c75168_337	17.9
1472	1D		cf61		18.2
1473	1D	13406	IWB13406	CAP12_c46_333	18.7
1474	1D	56136	IWB56136	RAC875_c27954_378	20.1
1475	1D	17484	IWB17484	D_F5XZDLF01A85DT_301	21.0
1476	1D	36377	IWB36377	IACX9354	21.0
1477	1D	35354	IWB35354	IAAV7510	21.0
1478	1D	33350	IWB33350	GENE-3348_203	27.3
1479	1D	22792	IWB22792	Excalibur_c16452_624	28.2
1480	1D	75586	IWA362	wsnp_BE586140D_Ta_2_2	31.2
1481	1D	59651	IWB59651	RAC875_c62_1546	31.2
1482	1D	65040	IWB65040	RFL_Contig5594_1283	31.2
1483	1D	5768	IWB5768	BS00000721_51	31.2
1484	1D	75370	IWA57	wsnp_BE405518D_Ta_2_3	31.2
1485	1D	65041	IWB65041	RFL_Contig5594_873	31.2
1486	1D	59652	IWB59652	RAC875_c62_321	31.2
1487	1D	59650	IWB59650	RAC875_c62_1514	31.2
1488	1D	5767	IWB5767	BS00000717_51	31.2
1489	1D	79030	IWA5020	wsnp_Ex_rep_c101500_86856679	31.4
1490	1D	78694	IWA4598	wsnp_Ex_c6974_12025571	31.4
1491	1D	79028	IWA5018	wsnp_Ex_rep_c101500_86856089	31.4
1492	1D	36051	IWB36051	IACX589	31.7
1493	1D	6766	IWB6766	BS00021851_51	37.8
1494	1D	3828	IWB3828	BobWhite_c5419_643	38.1
1495	1D	35153	IWB35153	IAAV614	38.1
1496	1D	16859	IWB16859	D_contig52961_535	38.4
1497	1D	35981	IWB35981	IACX5018	38.4
1498	1D	5496	IWB5496	BobWhite_rep_c64736_316	38.4
1499	1D	70583	IWB70583	Tdurum_contig36962_250	38.4
1500	1D	16721	IWB16721	D_contig37339_168	38.4
1501	1D	43011	IWB43011	Kukri_c24648_262	38.4
1502	1D	76087	IWA1193	wsnp_CAP8_c458_368155	38.4
1503	1D	35012	IWB35012	IAAV5348	38.4
1504	1D	76086	IWA1192	wsnp_CAP8_c458_368125	38.4
1505	1D	35669	IWB35669	IACX11153	38.4
1506	1D	9793	IWB9793	BS00066395_51	38.4
1507	1D	42544	IWB42544	Kukri_c21718_661	38.4

1508	1D	35725	IWB35725	IACX12270	38.4
1509	1D	25427	IWB25427	Excalibur_c34167_128	38.4
1510	1D	23596	IWB23596	Excalibur_c21172_952	38.4
1511	1D	9791	IWB9791	BS00066391_51	38.4
1512	1D	7925	IWB7925	BS00033405_51	38.4
1513	1D	5949	IWB5949	BS00004145_51	38.4
1514	1D	63182	IWB63182	RAC875_rep_c81479_191	38.4
1515	1D	50368	IWB50368	Kukri_rep_c79478_1209	38.4
1516	1D	46138	IWB46138	Kukri_c5113_1082	38.4
1517	1D	10099	IWB10099	BS00067620_51	38.4
1518	1D	4433	IWB4433	BobWhite_c816_289	38.4
1519	1D	19211	IWB19211	D_GDRF1KQ02G72YO_156	38.4
1520	1D	62577	IWB62577	RAC875_rep_c69508_215	38.4
1521	1D	60962	IWB60962	RAC875_c8932_740	38.4
1522	1D	58499	IWB58499	RAC875_c48997_1160	38.4
1523	1D	57310	IWB57310	RAC875_c3762_710	38.4
1524	1D	46338	IWB46338	Kukri_c53398_200	38.4
1525	1D	46003	IWB46003	Kukri_c49577_630	38.4
1526	1D	34920	IWB34920	IAAV4760	38.4
1527	1D	26805	IWB26805	Excalibur_c46695_219	38.4
1528	1D	34926	IWB34926	IAAV4794	38.4
1529	1D	10919	IWB10919	BS00077237_51	38.4
1530	1D	7530	IWB7530	BS00024262_51	38.9
1531	1D	26128	IWB26128	Excalibur_c4030_1770	38.9
1532	1D	46950	IWB46950	Kukri_c6167_1271	38.9
1533	1D	15847	IWB15847	D_contig16934_681	39.2
1534	1D	45478	IWB45478	Kukri_c44738_477	39.2
1535	1D	48513	IWB48513	Kukri_c9864_1220	39.2
1536	1D	42384	IWB42384	Kukri_c20844_116	39.2
1537	1D	43803	IWB43803	Kukri_c3008_329	39.2
1538	1D	57040	IWB57040	RAC875_c35094_476	39.2
1539	1D	13348	IWB13348	CAP12_c2978_93	39.2
1540	1D	9571	IWB9571	BS00065510_51	39.2
1541	1D	9623	IWB9623	BS00065722_51	39.2
1542	1D	48514	IWB48514	Kukri_c9864_936	39.2
1543	1D	10763	IWB10763	BS00074817_51	39.2
1544	1D	10598	IWB10598	BS00072193_51	39.2
1545	1D	75448	IWA165	wsnp_BE445121D_Ta_2_2	39.5
1546	1D	11878	IWB11878	BS00094471_51	39.5
1547	1D	27894	IWB27894	Excalibur_c5958_1398	39.5
1548	1D	60722	IWB60722	RAC875_c82888_83	39.5
1549	1D	9132	IWB9132	BS00063799_51	39.5
1550	1D	7851	IWB7851	BS00031658_51	39.5
1551	1D	14969	IWB14969	CAP8_c879_120	39.5
1552	1D	49565	IWB49565	Kukri_rep_c112609_711	42.7
1553	1D	17549	IWB17549	D_F5XZDLF01D3SI3_114	46.6
1554	1D	26243	IWB26243	Excalibur_c4151_166	46.6
1555	1D		cf72		46.6
1556	1D	6869	IWB6869	BS00022027_51	49.6
1557	1D	15872	IWB15872	D_contig17513_167	49.9
1558	1D		wmc429		50.5
1559	1D	20523	IWB20523	Ex_c33668_180	51.0
1560	1D	27449	IWB27449	Excalibur_c54055_694	53.0
1561	1D	57780	IWB57780	RAC875_c41812_1998	53.6

1562	1D	46903	IWB46903	Kukri_c61049_205	53.6
1563	1D	15913	IWB15913	D_contig18159_408	53.6
1564	1D	17017	IWB17017	D_contig66051_204	54.2
1565	1D	42195	IWB42195	Kukri_c19768_568	61.2
1566	1D	15740	IWB15740	D_contig14507_369	61.8
1567	1D	17397	IWB17397	D_F5MV3MU01AQZAG_388	63.2
1568	1D	75717	IWA555	wsnp_BG313767D_Ta_2_1	65.2
1569	1D	11766	IWB11766	BS00092585_51	66.6
1570	1D	81390	IWA8286	wsnp_RFL_Contig2036_1264133	66.6
1571	1D	205	IWB205	BobWhite_c11338_605	66.9
1572	1D	41029	IWB41029	Kukri_c1338_646	66.9
1573	1D	65822	IWB65822	TA004358-0724	71.1
1574	1D	35382	IWB35382	IAAV7745	71.1
1575	1D	77462	IWA3013	wsnp_Ex_c25974_35235456	71.1
1576	1D	76502	IWA1737	wsnp_Ex_c1318_2520706	71.1
1577	1D	79885	IWA6186	wsnp_JD_c8173_9207415	71.1
1578	1D	78684	IWA4585	wsnp_Ex_c6920_11928994	71.1
1579	1D	77531	IWA3108	wsnp_Ex_c27290_36498531	71.1
1580	1D	80595	IWA7171	wsnp_Ku_c5560_9853214	71.1
1581	1D	80594	IWA7170	wsnp_Ku_c5560_9851459	71.1
1582	1D	78686	IWA4587	wsnp_Ex_c6920_11929748	71.1
1583	1D	78497	IWA4343	wsnp_Ex_c57601_59245549	71.1
1584	1D	80298	IWA6791	wsnp_Ku_c2624_4986980	71.1
1585	1D	23271	IWB23271	Excalibur_c19237_895	71.1
1586	1D	64429	IWB64429	RFL_Contig3622_1217	71.1
1587	1D	2577	IWB2577	BobWhite_c3283_54	71.1
1588	1D	7764	IWB7764	BS00030252_51	71.1
1589	1D	57155	IWB57155	RAC875_c3604_1527	71.1
1590	1D	77530	IWA3107	wsnp_Ex_c27290_36498462	71.1
1591	1D	76501	IWA1736	wsnp_Ex_c1318_2519998	71.1
1592	1D	52465	IWB52465	Ra_c69361_411	71.1
1593	1D	78685	IWA4586	wsnp_Ex_c6920_11929171	71.1
1594	1D	59019	IWB59019	RAC875_c54260_127	71.1
1595	1D	18403	IWB18403	D_GBF1XID01DNWRS_378	71.1
1596	1D	146	IWB146	BobWhite_c10977_834	71.1
1597	1D	78496	IWA4342	wsnp_Ex_c57601_59245380	71.1
1598	1D	39618	IWB39618	Ku_c5560_2665	71.1
1599	1D	15375	IWB15375	D_contig06122_208	71.1
1600	1D	11061	IWB11061	BS00079095_51	71.1
1601	1D	5962	IWB5962	BS00004282_51	71.1
1602	1D	57981	IWB57981	RAC875_c43831_91	71.1
1603	1D	78843	IWA4777	wsnp_Ex_c8188_13842273	72.5
1604	1D	29010	IWB29010	Excalibur_c8188_243	72.5
1605	1D	77947	IWA3638	wsnp_Ex_c3831_6966926	72.5
1606	1D	81143	IWA7921	wsnp_Ra_c4135_7565040	72.5
1607	1D	57713	IWB57713	RAC875_c4135_1028	72.5
1608	1D	43648	IWB43648	Kukri_c29121_654	72.5
1609	1D	40888	IWB40888	Kukri_c12758_2101	72.5
1610	1D	76726	IWA2021	wsnp_Ex_c15396_23659859	72.8
1611	1D	58572	IWB58572	RAC875_c49612_102	72.8
1612	1D	46866	IWB46866	Kukri_c6051_640	72.8
1613	1D	11260	IWB11260	BS00082503_51	72.8
1614	1D	7250	IWB7250	BS00022768_51	72.8
1615	1D	31938	IWB31938	GENE-0511_161	72.8

1616	1D	10778	IWB10778	BS00075001_51	72.8
1617	1D	8739	IWB8739	BS00058554_51	72.8
1618	1D	31940	IWB31940	GENE-0511_484	72.8
1619	1D	79467	IWA5577	wsnp_Ex_rep_c69024_67924125	72.8
1620	1D	31799	IWB31799	GENE-0315_356	73.0
1621	1D	79203	IWA5232	wsnp_Ex_rep_c66423_64640941	73.0
1622	1D	36000	IWB36000	IACX5695	73.0
1623	1D	6723	IWB6723	BS00021702_51	73.0
1624	1D	12851	IWB12851	CAP11_c3464_68	73.0
1625	1D	79204	IWA5234	wsnp_Ex_rep_c66423_64641115	73.0
1626	1D	9742	IWB9742	BS00066188_51	73.6
1627	1D	7679	IWB7679	BS00028216_51	74.1
1628	1D	35261	IWB35261	IAAV6873	74.1
1629	1D	50995	IWB50995	Ra_c1211_1656	74.1
1630	1D	40766	IWB40766	Kukri_c12183_262	74.4
1631	1D	51772	IWB51772	Ra_c3045_1739	74.4
1632	1D	27436	IWB27436	Excalibur_c53900_86	75.0
1633	1D	80961	IWA7675	wsnp_Ra_c17989_26960545	75.2
1634	1D	50983	IWB50983	Ra_c11906_1618	75.5
1635	1D	50981	IWB50981	Ra_c11906_1441	75.5
1636	1D	65240	IWB65240	RFL_Contig651_953	75.5
1637	1D	5900	IWB5900	BS00003816_51	77.8
1638	1D	10655	IWB10655	BS00073257_51	77.8
1639	1D	9896	IWB9896	BS00066855_51	77.8
1640	1D	14873	IWB14873	CAP8_c6630_63	88.1
1641	1D	6958	IWB6958	BS00022188_51	95.6
1642	1D	31209	IWB31209	Excalibur_rep_c72906_71	95.6
1643	1D	35836	IWB35836	IACX21015	95.6
1644	1D	35902	IWB35902	IACX314	104.7
1645	1D	47464	IWB47464	Kukri_c6896_3239	107.1
1646	1D	40950	IWB40950	Kukri_c13039_858	107.3
1647	1D	35900	IWB35900	IACX310	112.5
1648	1D	65919	IWB65919	TA005039-1480	112.5
1649	1D	10690	IWB10690	BS00073763_51	112.8
1650	1D	15906	IWB15906	D_contig18068_87	113.4
1651	1D	16637	IWB16637	D_contig35303_117	114.2
1652	1D	48119	IWB48119	Kukri_c875_126	114.2
1653	1D	24638	IWB24638	Excalibur_c27873_266	114.2
1654	1D	644	IWB644	BobWhite_c14422_282	114.2
1655	1D	6051	IWB6051	BS00009377_51	114.2
1656	1D	9069	IWB9069	BS00063511_51	115.6
1657	1D	64331	IWB64331	RFL_Contig3395_1575	116.8
1658	1D	7196	IWB7196	BS00022654_51	119.0
1659	1D	17626	IWB17626	D_F5XZDLF02GY0X2_81	119.9
1660	1D	48805	IWB48805	Kukri_rep_c102822_374	119.9
1661	1D	19016	IWB19016	D_GDEEGVY01DD44S_389	119.9
1662	1D	19234	IWB19234	D_GDRF1KQ02I64JW_273	119.9
1663	1D	6105	IWB6105	BS00009738_51	119.9
1664	1D	69918	IWB69918	Tdurum_contig29915_167	119.9
1665	1D	6360	IWB6360	BS00011168_51	119.9
1666	1D	29609	IWB29609	Excalibur_c981_294	119.9
1667	1D	36840	IWB36840	Jagger_rep_c10625_88	119.9
1668	1D	2612	IWB2612	BobWhite_c33208_98	119.9
1669	1D	48948	IWB48948	Kukri_rep_c104078_655	119.9

1670	1D	25694	IWB25694	Excalibur_c36269_513	119.9
1671	1D	5347	IWB5347	BobWhite_rep_c63205_143	119.9
1672	1D	8770	IWB8770	BS00059313_51	119.9
1673	1D	16627	IWB16627	D_contig35004_260	119.9
1674	1D	17052	IWB17052	D_contig68025_825	120.7
1675	2A	12250	IWB12250	BS00105593_51	0.0
1676	2A	76319	IWA1511	wsnp_Ex_c11560_18632698	0.3
1677	2A	14640	IWB14640	CAP8_c2783_336	0.3
1678	2A	77034	IWA2425	wsnp_Ex_c19516_28481857	0.3
1679	2A	66102	IWB66102	TA012412-0412	0.3
1680	2A	80266	IWA6745	wsnp_Ku_c23598_33524490	0.3
1681	2A	64569	IWB64569	RFL_Contig4030_493	0.3
1682	2A	490	IWB490	BobWhite_c13373_250	0.3
1683	2A	63717	IWB63717	RFL_Contig174_406	0.3
1684	2A	42601	IWB42601	Kukri_c22152_730	0.3
1685	2A	30883	IWB30883	Excalibur_rep_c67619_217	0.3
1686	2A	79294	IWA5340	wsnp_Ex_rep_c66982_65423289	0.3
1687	2A	79356	IWA5423	wsnp_Ex_rep_c67619_66272209	0.3
1688	2A	20060	IWB20060	Ex_c19516_3687	0.3
1689	2A	76359	IWA1563	wsnp_Ex_c11950_19164191	0.3
1690	2A	72491	IWB72491	Tdurum_contig56157_1748	0.3
1691	2A	76320	IWA1512	wsnp_Ex_c11560_18632777	0.3
1692	2A	30800	IWB30800	Excalibur_rep_c66982_126	0.3
1693	2A	80003	IWA6391	wsnp_Ku_c10418_17237935	0.3
1694	2A	79295	IWA5341	wsnp_Ex_rep_c66982_65424063	0.3
1695	2A	7398	IWB7398	BS00023052_51	0.3
1696	2A	72490	IWB72490	Tdurum_contig56157_1595	0.3
1697	2A	17107	IWB17107	D_contig71899_62	1.5
1698	2A	4070	IWB4070	BobWhite_c6032_343	1.5
1699	2A	37791	IWB37791	JD_c7328_640	1.5
1700	2A	5945	IWB5945	BS00004089_51	1.5
1701	2A	18862	IWB18862	D_GCE8AKX02FU286_163	1.5
1702	2A	7792	IWB7792	BS00030721_51	1.5
1703	2A	3678	IWB3678	BobWhite_c48552_673	1.5
1704	2A	5374	IWB5374	BobWhite_rep_c63376_215	1.5
1705	2A	6542	IWB6542	BS00012249_51	1.5
1706	2A	26872	IWB26872	Excalibur_c4748_859	1.5
1707	2A	3679	IWB3679	BobWhite_c48552_702	1.5
1708	2A	7245	IWB7245	BS00022760_51	1.5
1709	2A	22184	IWB22184	Excalibur_c12980_2621	1.5
1710	2A	365	IWB365	BobWhite_c12426_84	1.5
1711	2A	10561	IWB10561	BS00071630_51	1.5
1712	2A	57536	IWB57536	RAC875_c39634_370	1.5
1713	2A	77751	IWA3382	wsnp_Ex_c322_624793	1.5
1714	2A	35651	IWB35651	IACX11028	1.5
1715	2A	11669	IWB11669	BS00090701_51	1.5
1716	2A	57199	IWB57199	RAC875_c36586_321	1.5
1717	2A	10983	IWB10983	BS00078051_51	1.5
1718	2A	57200	IWB57200	RAC875_c36586_360	1.5
1719	2A	23116	IWB23116	Excalibur_c18324_390	1.5
1720	2A	12523	IWB12523	BS00110397_51	1.5
1721	2A	73231	IWB73231	Tdurum_contig74742_822	1.5
1722	2A	32605	IWB32605	GENE-1711_304	1.5
1723	2A	24342	IWB24342	Excalibur_c25599_358	1.5

1724	2A	44018	IWB44018	Kukri_c31776_1621	1.5
1725	2A	42762	IWB42762	Kukri_c23195_266	1.5
1726	2A	65810	IWB65810	TA004277-1088	1.5
1727	2A	39416	IWB39416	Ku_c42579_870	1.5
1728	2A	73490	IWB73490	Tdurum_contig8121_132	1.5
1729	2A	7056	IWB7056	BS00022393_51	1.5
1730	2A	35430	IWB35430	IAAV8116	1.5
1731	2A	73151	IWB73151	Tdurum_contig69643_287	1.5
1732	2A	34514	IWB34514	IAAV2182	1.5
1733	2A	7032	IWB7032	BS00022331_51	1.5
1734	2A	1987	IWB1987	BobWhite_c26296_83	1.5
1735	2A	21361	IWB21361	Ex_c8173_453	1.5
1736	2A	10217	IWB10217	BS00068050_51	1.5
1737	2A	73389	IWB73389	Tdurum_contig76595_208	1.5
1738	2A	68413	IWB68413	Tdurum_contig15440_616	1.5
1739	2A	45191	IWB45191	Kukri_c42095_196	10.5
1740	2A	43984	IWB43984	Kukri_c31508_91	10.7
1741	2A	53862	IWB53862	RAC875_c14082_2606	10.7
1742	2A	59725	IWB59725	RAC875_c62936_139	10.7
1743	2A	66103	IWB66103	TA012416-0590	10.7
1744	2A	76112	IWA1242	wsnp_CAP8_rep_c9132_3977980	11.0
1745	2A	53380	IWB53380	RAC875_c11652_544	11.3
1746	2A	1365	IWB1365	BobWhite_c2022_245	11.3
1747	2A	12769	IWB12769	CAP11_c2293_200	11.3
1748	2A	4006	IWB4006	BobWhite_c58481_104	11.5
1749	2A	76079	IWA1166	wsnp_CAP8_c2110_1147974	11.5
1750	2A	79604	IWA5760	wsnp_Ex_rep_c93362_82371808	11.5
1751	2A	79605	IWA5762	wsnp_Ex_rep_c93362_82371891	11.5
1752	2A	15066	IWB15066	CAP8_rep_c8022_270	11.5
1753	2A	13159	IWB13159	CAP11_rep_c9060_520	11.5
1754	2A	31703	IWB31703	GENE-0137_147	12.4
1755	2A	11359	IWB11359	BS00084333_51	12.4
1756	2A	16752	IWB16752	D_contig38301_325	12.7
1757	2A	7112	IWB7112	BS00022487_51	12.9
1758	2A	36297	IWB36297	IACX8391	12.9
1759	2A	44249	IWB44249	Kukri_c33779_1069	12.9
1760	2A	47995	IWB47995	Kukri_c84087_154	12.9
1761	2A	43373	IWB43373	Kukri_c27040_309	12.9
1762	2A	6086	IWB6086	BS00009604_51	12.9
1763	2A	54980	IWB54980	RAC875_c20273_823	12.9
1764	2A	1280	IWB1280	BobWhite_c19433_329	12.9
1765	2A	13985	IWB13985	CAP7_c3132_150	12.9
1766	2A	31705	IWB31705	GENE-0137_1660	12.9
1767	2A	1830	IWB1830	BobWhite_c24495_282	12.9
1768	2A	4418	IWB4418	BobWhite_c8085_498	12.9
1769	2A	5988	IWB5988	BS00004724_51	12.9
1770	2A	10837	IWB10837	BS00075855_51	12.9
1771	2A	79082	IWA5087	wsnp_Ex_rep_c103167_88181968	14.7
1772	2A	38844	IWB38844	Ku_c23118_149	15.6
1773	2A	29812	IWB29812	Excalibur_rep_c102244_1103	17.6
1774	2A	1996	IWB1996	BobWhite_c26374_339	20.1
1775	2A	40060	IWB40060	Ku_c8180_291	26.0
1776	2A	10811	IWB10811	BS00075524_51	26.9
1777	2A	25267	IWB25267	Excalibur_c32875_78	26.9

1778	2A	67791	IWB67791	Tdurum_contig12952_263	26.9
1779	2A	40186	IWB40186	Ku_c972_560	26.9
1780	2A	41737	IWB41737	Kukri_c1728_1876	28.3
1781	2A	1222	IWB1222	BobWhite_c18852_91	28.5
1782	2A	26983	IWB26983	Excalibur_c4876_1380	28.5
1783	2A	80070	IWA6478	wsnp_Ku_c1292_2572110	28.5
1784	2A	80069	IWA6477	wsnp_Ku_c1292_2572053	28.5
1785	2A	8363	IWB8363	BS00044274_51	28.8
1786	2A	77856	IWA3520	wsnp_Ex_c35331_43499339	29.1
1787	2A	65812	IWB65812	TA004293-0913	29.1
1788	2A	72862	IWB72862	Tdurum_contig62138_290	29.1
1789	2A	6858	IWB6858	BS00022013_51	29.1
1790	2A	11734	IWB11734	BS00091830_51	29.1
1791	2A	5782	IWB5782	BS00001107_51	34.6
1792	2A	77259	IWA2730	wsnp_Ex_c22645_31845530	37.5
1793	2A	54584	IWB54584	RAC875_c17991_874	37.5
1794	2A	12494	IWB12494	BS00110218_51	37.5
1795	2A	71778	IWB71778	Tdurum_contig47258_1039	37.5
1796	2A	80136	IWA6566	wsnp_Ku_c15567_24224486	37.5
1797	2A	81474	IWA8424	wsnp_RFL_Contig3085_3007861	37.5
1798	2A	77260	IWA2731	wsnp_Ex_c22645_31845564	37.5
1799	2A	76764	IWA2067	wsnp_Ex_c15822_24204224	37.5
1800	2A	11289	IWB11289	BS00083146_51	37.5
1801	2A	63547	IWB63547	RFL_Contig1049_1473	37.5
1802	2A	872	IWB872	BobWhite_c1611_1685	37.5
1803	2A	73849	IWB73849	Tdurum_contig93115_517	40.0
1804	2A	72481	IWB72481	Tdurum_contig560_297	44.7
1805	2A	77593	IWA3194	wsnp_Ex_c2887_5330787	44.7
1806	2A	79691	IWA5893	wsnp_JD_c18695_17091254	44.7
1807	2A	72480	IWB72480	Tdurum_contig560_239	44.7
1808	2A	50267	IWB50267	Kukri_rep_c73477_888	44.7
1809	2A	77592	IWA3193	wsnp_Ex_c2887_5330426	44.7
1810	2A	71526	IWB71526	Tdurum_contig44400_1610	45.3
1811	2A	8064	IWB8064	BS00036766_51	45.3
1812	2A	25847	IWB25847	Excalibur_c37649_125	45.3
1813	2A	45777	IWB45777	Kukri_c47534_1509	45.3
1814	2A	55048	IWB55048	RAC875_c20700_853	45.3
1815	2A	71879	IWB71879	Tdurum_contig48302_532	45.3
1816	2A	8160	IWB8160	BS00039209_51	45.3
1817	2A	72304	IWB72304	Tdurum_contig5311_67	45.3
1818	2A	9926	IWB9926	BS00066978_51	45.3
1819	2A	71880	IWB71880	Tdurum_contig48302_539	45.3
1820	2A	53662	IWB53662	RAC875_c13116_541	45.3
1821	2A	30556	IWB30556	Excalibur_rep_c111743_194	45.3
1822	2A	65942	IWB65942	TA005222-0574	45.3
1823	2A	32426	IWB32426	GENE-1365_255	45.3
1824	2A	22683	IWB22683	Excalibur_c15733_252	45.3
1825	2A	73597	IWB73597	Tdurum_contig82812_213	45.3
1826	2A	56082	IWB56082	RAC875_c27556_226	45.3
1827	2A	25061	IWB25061	Excalibur_c3108_5476	45.3
1828	2A	73981	IWB73981	Tdurum_contig9731_121	45.3
1829	2A	72303	IWB72303	Tdurum_contig5311_112	45.3
1830	2A	53660	IWB53660	RAC875_c13116_116	45.3
1831	2A	35722	IWB35722	IACX1216	45.6

1832	2A	44985	IWB44985	Kukri_c40035_258	46.1
1833	2A	79630	IWA5793	wsnp_JD_c12088_12411845	46.1
1834	2A	75537	IWA294	wsnp_BE497494A_Td_2_2	46.1
1835	2A	75536	IWA293	wsnp_BE497494A_Td_2_1	46.1
1836	2A	75992	IWA991	wsnp_CAP12_c901_472535	46.1
1837	2A	73758	IWB73758	Tdurum_contig9070_142	46.1
1838	2A	75952	IWA901	wsnp_CAP11_rep_c8768_3788007	46.1
1839	2A	55668	IWB55668	RAC875_c24517_558	46.4
1840	2A	39403	IWB39403	Ku_c41973_211	46.4
1841	2A	43042	IWB43042	Kukri_c24852_466	46.4
1842	2A	6749	IWB6749	BS00021739_51	46.9
1843	2A	39193	IWB39193	Ku_c33021_109	46.9
1844	2A	27211	IWB27211	Excalibur_c5121_930	46.9
1845	2A	27013	IWB27013	Excalibur_c48978_98	46.9
1846	2A	11079	IWB11079	BS00079443_51	46.9
1847	2A	62989	IWB62989	RAC875_rep_c73925_276	46.9
1848	2A	57603	IWB57603	RAC875_c40298_394	46.9
1849	2A	32412	IWB32412	GENE-1353_136	46.9
1850	2A	32411	IWB32411	GENE-1353_120	46.9
1851	2A	28491	IWB28491	Excalibur_c6808_959	46.9
1852	2A	35834	IWB35834	IACX2067	46.9
1853	2A	62779	IWB62779	RAC875_rep_c71350_1712	46.9
1854	2A	22047	IWB22047	Excalibur_c12169_1088	46.9
1855	2A	28719	IWB28719	Excalibur_c7444_391	46.9
1856	2A	66114	IWB66114	TA013564-0487	47.5
1857	2A	78073	IWA3803	wsnp_Ex_c41913_48628389	47.5
1858	2A	653	IWB653	BobWhite_c14476_80	47.5
1859	2A	21266	IWB21266	Ex_c721_2374	47.5
1860	2A	77116	IWA2531	wsnp_Ex_c20370_29434410	47.5
1861	2A	21265	IWB21265	Ex_c721_2127	47.5
1862	2A	51634	IWB51634	Ra_c2655_504	47.5
1863	2A	78252	IWA4026	wsnp_Ex_c4847_8646583	47.5
1864	2A	45503	IWB45503	Kukri_c45015_363	48.9
1865	2A	10343	IWB10343	BS00068550_51	48.9
1866	2A	5320	IWB5320	BobWhite_rep_c62964_459	48.9
1867	2A	27207	IWB27207	Excalibur_c51133_246	48.9
1868	2A	76386	IWA1597	wsnp_Ex_c12219_19526749	48.9
1869	2A	79042	IWA5037	wsnp_Ex_rep_c101866_87158671	48.9
1870	2A	80985	IWA7705	wsnp_Ra_c19526_28719561	48.9
1871	2A	78550	IWA4410	wsnp_Ex_c60588_60977198	48.9
1872	2A	76915	IWA2259	wsnp_Ex_c1782_3365844	48.9
1873	2A	79472	IWA5585	wsnp_Ex_rep_c69124_68035485	48.9
1874	2A	79850	IWA6139	wsnp_JD_c6436_7600132	48.9
1875	2A	8253	IWB8253	BS00040959_51	48.9
1876	2A	79473	IWA5586	wsnp_Ex_rep_c69124_68035904	48.9
1877	2A	65638	IWB65638	TA003045-1227	48.9
1878	2A	45502	IWB45502	Kukri_c45015_145	48.9
1879	2A	21864	IWB21864	Excalibur_c11398_913	48.9
1880	2A	80755	IWA7389	wsnp_Ku_rep_c102140_89178676	48.9
1881	2A	79986	IWA6369	wsnp_JG_c926_520103	48.9
1882	2A	45501	IWB45501	Kukri_c44997_377	48.9
1883	2A	5321	IWB5321	BobWhite_rep_c62964_873	48.9
1884	2A	80648	IWA7248	wsnp_Ku_c6826_11860405	48.9
1885	2A	65777	IWB65777	TA004055-0626	48.9

1886	2A	27915	IWB27915	Excalibur_c59901_433	49.1
1887	2A	15774	IWB15774	D_contig15270_478	49.1
1888	2A	45406	IWB45406	Kukri_c441_891	49.1
1889	2A	27678	IWB27678	Excalibur_c56792_131	49.1
1890	2A	75994	IWA994	wsnp_CAP12_c948_496702	49.1
1891	2A	65456	IWB65456	TA001792-1026	49.1
1892	2A	45445	IWB45445	Kukri_c44442_274	49.1
1893	2A	49366	IWB49366	Kukri_rep_c108875_85	49.1
1894	2A	71756	IWB71756	Tdurum_contig47103_94	49.1
1895	2A	47516	IWB47516	Kukri_c7169_105	49.1
1896	2A	48967	IWB48967	Kukri_rep_c104256_475	49.4
1897	2A	79321	IWA5378	wsnp_Ex_rep_c67264_65795361	50.3
1898	2A	9267	IWB9267	BS00064392_51	50.3
1899	2A	27083	IWB27083	Excalibur_c4978_605	52.0
1900	2A	71845	IWB71845	Tdurum_contig4781_1198	52.0
1901	2A	72132	IWB72132	Tdurum_contig5094_505	52.0
1902	2A	72639	IWB72639	Tdurum_contig59369_133	52.0
1903	2A	54724	IWB54724	RAC875_c18698_550	52.0
1904	2A	21883	IWB21883	Excalibur_c11437_75	52.0
1905	2A	41389	IWB41389	Kukri_c15489_626	52.5
1906	2A	72898	IWB72898	Tdurum_contig62559_146	52.5
1907	2A	77741	IWA3368	wsnp_Ex_c31900_40635609	52.5
1908	2A	41380	IWB41380	Kukri_c15427_119	52.5
1909	2A	68111	IWB68111	Tdurum_contig13957_866	55.5
1910	2A	13965	IWB13965	CAP7_c2791_231	56.1
1911	2A	72123	IWB72123	Tdurum_contig50824_58	56.4
1912	2A	59607	IWB59607	RAC875_c6156_428	56.4
1913	2A	7015	IWB7015	BS00022301_51	57.5
1914	2A	46634	IWB46634	Kukri_c57078_153	58.6
1915	2A	70024	IWB70024	Tdurum_contig30451_88	58.6
1916	2A	35417	IWB35417	IAAV80	58.6
1917	2A	71282	IWB71282	Tdurum_contig42540_843	62.5
1918	2A	1087	IWB1087	BobWhite_c17739_82	63.4
1919	2A	72154	IWB72154	Tdurum_contig5114_319	70.9
1920	2A	64479	IWB64479	RFL_Contig3780_644	74.7
1921	2A	11139	IWB11139	BS00080654_51	74.7
1922	2A	35280	IWB35280	IAAV6972	74.7
1923	2A	31019	IWB31019	Excalibur_rep_c69014_112	74.7
1924	2A	79376	IWA5449	wsnp_Ex_rep_c67751_66428606	74.7
1925	2A	57080	IWB57080	RAC875_c35521_185	74.7
1926	2A	8169	IWB8169	BS00039406_51	74.7
1927	2A	36142	IWB36142	IACX6337	74.7
1928	2A	11175	IWB11175	BS00081194_51	74.7
1929	2A	79517	IWA5640	wsnp_Ex_rep_c69799_68761171	74.7
1930	2A	62635	IWB62635	RAC875_rep_c69987_930	74.7
1931	2A	53686	IWB53686	RAC875_c13247_1032	74.7
1932	2A	25538	IWB25538	Excalibur_c34964_326	74.7
1933	2A	10432	IWB10432	BS00070005_51	74.7
1934	2A	79465	IWA5574	wsnp_Ex_rep_c69014_67914888	74.7
1935	2A	77598	IWA3199	wsnp_Ex_c28942_38018762	74.7
1936	2A	51049	IWB51049	Ra_c13247_528	74.7
1937	2A	43378	IWB43378	Kukri_c27100_823	74.7
1938	2A	32663	IWB32663	GENE-1792_560	74.7
1939	2A	12571	IWB12571	BS00110587_51	74.7

1940	2A	12570	IWB12570	BS00110586_51	74.7
1941	2A	10431	IWB10431	BS00070004_51	74.7
1942	2A	78538	IWA4396	wsnp_Ex_c5984_10493714	74.7
1943	2A	32664	IWB32664	GENE-1792_762	74.7
1944	2A	7051	IWB7051	BS00022377_51	74.7
1945	2A	20877	IWB20877	Ex_c5280_1429	75.0
1946	2A	11614	IWB11614	BS00089497_51	83.8
1947	2A	75472	IWA200	wsnp_be471201A_Ta_1_1	83.8
1948	2A	79066	IWA5064	wsnp_Ex_rep_c102385_87568304	83.8
1949	2A	47525	IWB47525	Kukri_c7193_3176	83.8
1950	2A	76784	IWA2092	wsnp_Ex_c1604_3060855	83.8
1951	2A	81441	IWA8377	wsnp_RFL_Contig2729_2446041	83.8
1952	2A	22730	IWB22730	Excalibur_c1604_2710	83.8
1953	2A	46979	IWB46979	Kukri_c62142_683	83.8
1954	2A	81574	IWA8606	wsnp_RFL_Contig4594_5459508	83.8
1955	2A	13648	IWB13648	CAP12_rep_c6956_169	83.8
1956	2A	5745	IWB5745	BS00000297_51	84.9
1957	2A	64643	IWB64643	RFL_Contig4324_1348	87.1
1958	2A	22458	IWB22458	Excalibur_c14536_1129	87.1
1959	2A	29791	IWB29791	Excalibur_rep_c102052_721	87.1
1960	2A	79680	IWA5878	wsnp_JD_c169_270144	88.2
1961	2A	28642	IWB28642	Excalibur_c7282_482	88.5
1962	2A	29311	IWB29311	Excalibur_c907_1643	88.5
1963	2A	38412	IWB38412	Ku_c13700_1196	88.5
1964	2A	62504	IWB62504	RAC875_rep_c119619_54	88.5
1965	2A	80904	IWA7593	wsnp_Ra_c12874_20497763	88.5
1966	2A	1411	IWB1411	BobWhite_c2058_367	88.5
1967	2A	5778	IWB5778	BS00001059_51	88.5
1968	2A	22408	IWB22408	Excalibur_c14317_401	88.5
1969	2A	38411	IWB38411	Ku_c13700_1189	88.5
1970	2A	52510	IWB52510	Ra_c70418_142	88.5
1971	2A	52511	IWB52511	Ra_c70418_147	88.5
1972	2A	65374	IWB65374	TA001297-0826	88.5
1973	2A	79388	IWA5463	wsnp_Ex_rep_c67848_66550974	88.5
1974	2A	5499	IWB5499	BobWhite_rep_c64766_352	88.5
1975	2A	39857	IWB39857	Ku_c69608_894	88.5
1976	2A	80868	IWA7540	wsnp_Ra_c10658_17500498	88.5
1977	2A	51031	IWB51031	Ra_c12874_2478	88.5
1978	2A	64616	IWB64616	RFL_Contig4214_1111	88.5
1979	2A	28643	IWB28643	Excalibur_c7282_512	88.5
1980	2A	75732	IWA572	wsnp_BG605368A_Ta_2_4	88.5
1981	2A	7166	IWB7166	BS00022587_51	88.5
1982	2A	26200	IWB26200	Excalibur_c41125_360	88.5
1983	2A	14315	IWB14315	CAP7_c9218_89	88.5
1984	2A	4615	IWB4615	BobWhite_c9505_515	88.5
1985	2A	60477	IWB60477	RAC875_c77565_298	89.0
1986	2A	29535	IWB29535	Excalibur_c96_670	89.0
1987	2A	81100	IWA7864	wsnp_Ra_c32271_41304469	89.0
1988	2A	78522	IWA4375	wsnp_Ex_c59095_60108185	89.0
1989	2A	32895	IWB32895	GENE-2352_964	89.0
1990	2A	47578	IWB47578	Kukri_c74165_204	89.0
1991	2A	78520	IWA4373	wsnp_Ex_c59095_60108097	89.0
1992	2A	36821	IWB36821	Jagger_c9554_114	89.0
1993	2A	8088	IWB8088	BS00037160_51	89.3

1994	2A	12522	IWB12522	BS00110386_51	89.3
1995	2A	36583	IWB36583	Jagger_c4026_255	89.3
1996	2A	36584	IWB36584	Jagger_c4026_328	89.3
1997	2A	76839	IWA2157	wsnp_Ex_c16627_25162391	89.3
1998	2A	11193	IWB11193	BS00081506_51	89.3
1999	2A	67229	IWB67229	Tdurum_contig11678_289	90.2
2000	2A	78186	IWA3940	wsnp_Ex_c45487_51267140	90.2
2001	2A	81109	IWA7876	wsnp_Ra_c3378_6318431	90.4
2002	2A	7395	IWB7395	BS00023048_51	104.1
2003	2A	42586	IWB42586	Kukri_c22047_313	104.1
2004	2A	62592	IWB62592	RAC875_rep_c69619_145	104.1
2005	2A	62594	IWB62594	RAC875_rep_c69619_78	104.1
2006	2A	78040	IWA3752	wsnp_Ex_c41007_47932833	104.1
2007	2A	75818	IWA684	wsnp_CAP11_c1711_934478	104.1
2008	2A	24443	IWB24443	Excalibur_c26462_452	104.1
2009	2A	79067	IWA5066	wsnp_Ex_rep_c102390_87572532	104.3
2010	2A	80408	IWA6931	wsnp_Ku_c33884_43306422	104.3
2011	2A	53046	IWB53046	RAC875_c104160_61	105.5
2012	2A	12391	IWB12391	BS00108865_51	105.5
2013	2A	74851	IWB74851	tplb0046b02_872	105.5
2014	2A	54915	IWB54915	RAC875_c19904_308	105.5
2015	2A	73879	IWB73879	Tdurum_contig93508_295	108.3
2016	2A	73878	IWB73878	Tdurum_contig93508_119	108.3
2017	2A	71626	IWB71626	Tdurum_contig45661_684	108.3
2018	2A	6997	IWB6997	BS00022265_51	108.3
2019	2A	6414	IWB6414	BS00011478_51	108.3
2020	2A	72722	IWB72722	Tdurum_contig60298_219	108.6
2021	2A	31368	IWB31368	Excalibur_rep_c86807_132	108.6
2022	2A	10957	IWB10957	BS00077769_51	108.6
2023	2A	26296	IWB26296	Excalibur_c42110_210	108.6
2024	2A	76750	IWA2051	wsnp_Ex_c15681_24015303	108.6
2025	2A	44394	IWB44394	Kukri_c34983_190	108.6
2026	2A	26297	IWB26297	Excalibur_c42110_66	108.6
2027	2A	10956	IWB10956	BS00077768_51	108.6
2028	2A	34772	IWB34772	IAAV3791	108.6
2029	2A	72718	IWB72718	Tdurum_contig60205_806	108.6
2030	2A	78170	IWA3919	wsnp_Ex_c45_97816	108.6
2031	2A	60040	IWB60040	RAC875_c66695_1376	108.6
2032	2A	76993	IWA2370	wsnp_Ex_c19003_27913936	108.6
2033	2A	51957	IWB51957	Ra_c3750_1082	108.6
2034	2A	11146	IWB11146	BS00080760_51	108.6
2035	2A	25799	IWB25799	Excalibur_c3727_1773	109.7
2036	2A	73708	IWB73708	Tdurum_contig86183_221	109.7
2037	2A	65315	IWB65315	RFL_Contig927_1591	110.8
2038	2A	73568	IWB73568	Tdurum_contig82404_354	110.8
2039	2A	5740	IWB5740	BS00000209_51	111.1
2040	2A	73663	IWB73663	Tdurum_contig84245_154	111.1
2041	2A	8907	IWB8907	BS00062732_51	111.9
2042	2A	12554	IWB12554	BS00110516_51	111.9
2043	2A	35910	IWB35910	IACX3245	111.9
2044	2A	58213	IWB58213	RAC875_c4609_1756	112.2
2045	2A	3746	IWB3746	BobWhite_c5178_188	113.3
2046	2A	7471	IWB7471	BS00023202_51	113.3
2047	2A	34572	IWB34572	IAAV2576	113.3

2048	2A	61119	IWB61119	RAC875_c9523_328	113.3
2049	2A	28627	IWB28627	Excalibur_c7241_284	113.3
2050	2A	21523	IWB21523	Excalibur_c10068_1431	113.3
2051	2A	3440	IWB3440	BobWhite_c4517_120	113.6
2052	2A	836	IWB836	BobWhite_c15773_166	114.1
2053	2A	28621	IWB28621	Excalibur_c72359_56	114.1
2054	2A	35952	IWB35952	IACX4320	114.9
2055	2A	64018	IWB64018	RFL_Contig2656_871	114.9
2056	2A	61146	IWB61146	RAC875_c96033_191	115.2
2057	2A	72339	IWB72339	Tdurum_contig54056_501	117.2
2058	2A	77166	IWA2601	wsnp_Ex_c2137_4014287	117.2
2059	2A	13459	IWB13459	CAP12_c575_105	117.2
2060	2A	35540	IWB35540	IAAV880	117.2
2061	2A	11978	IWB11978	BS00096927_51	117.2
2062	2A	81223	IWA8036	wsnp_Ra_c6586_11477949	117.2
2063	2A	77167	IWA2602	wsnp_Ex_c2137_4014383	117.2
2064	2A	26001	IWB26001	Excalibur_c39151_104	118.7
2065	2A	10540	IWB10540	BS00071350_51	118.7
2066	2A	80485	IWA7031	wsnp_Ku_c4045_7380115	118.7
2067	2A	55230	IWB55230	RAC875_c21750_784	118.7
2068	2A	3216	IWB3216	BobWhite_c42181_327	118.7
2069	2A	80303	IWA6798	wsnp_Ku_c26323_36285697	118.7
2070	2A	26593	IWB26593	Excalibur_c44834_80	118.7
2071	2A	9488	IWB9488	BS00065245_51	118.9
2072	2A	67648	IWB67648	Tdurum_contig12556_183	118.9
2073	2A	53050	IWB53050	RAC875_c1043_258	118.9
2074	2A	72501	IWB72501	Tdurum_contig56321_232	118.9
2075	2A	78917	IWA4870	wsnp_Ex_c905_1748920	118.9
2076	2A	22893	IWB22893	Excalibur_c17000_557	118.9
2077	2A	67649	IWB67649	Tdurum_contig12556_431	118.9
2078	2A	72117	IWB72117	Tdurum_contig50755_97	118.9
2079	2A	36916	IWB36916	JD_c11825_1135	118.9
2080	2A	25211	IWB25211	Excalibur_c32514_247	118.9
2081	2A	4353	IWB4353	BobWhite_c7551_418	118.9
2082	2A	61340	IWB61340	RAC875_rep_c102485_606	118.9
2083	2A	72116	IWB72116	Tdurum_contig50755_190	118.9
2084	2A	29338	IWB29338	Excalibur_c91176_326	118.9
2085	2A	61157	IWB61157	RAC875_c96399_610	118.9
2086	2A	73638	IWB73638	Tdurum_contig8350_350	120.6
2087	2A	14668	IWB14668	CAP8_c3129_381	120.9
2088	2A	32878	IWB32878	GENE-2324_85	121.2
2089	2A	46343	IWB46343	Kukri_c53501_305	121.7
2090	2A	35077	IWB35077	IAAV5706	124.3
2091	2A	32084	IWB32084	GENE-0762_808	124.3
2092	2A	79145	IWA5161	wsnp_Ex_rep_c108004_91402649	124.3
2093	2A	11730	IWB11730	BS00091763_51	124.3
2094	2A	51274	IWB51274	Ra_c1757_256	124.3
2095	2A	36516	IWB36516	Jagger_c295_58	124.3
2096	2A	6580	IWB6580	BS00012942_51	124.3
2097	2A	56270	IWB56270	RAC875_c29056_299	124.3
2098	2A	60386	IWB60386	RAC875_c75800_331	124.3
2099	2A	6084	IWB6084	BS00009594_51	124.3
2100	2B	315	IWB315	BobWhite_c12144_216	0.0
2101	2B	12070	IWB12070	BS00099469_51	0.0

2102	2B	46236	IWB46236	Kukri_c52263_281	0.0
2103	2B	65686	IWB65686	TA003428-0332	0.0
2104	2B	66351	IWB66351	Tdurum_contig10208_447	0.0
2105	2B	66352	IWB66352	Tdurum_contig10208_452	0.0
2106	2B	991	IWB991	BobWhite_c17047_268	0.0
2107	2B	9321	IWB9321	BS00064570_51	0.0
2108	2B	54334	IWB54334	RAC875_c16656_406	0.0
2109	2B	35447	IWB35447	IAAV8205	0.0
2110	2B	217	IWB217	BobWhite_c11397_231	0.0
2111	2B	44633	IWB44633	Kukri_c3701_392	0.3
2112	2B	8416	IWB8416	BS00046019_51	3.5
2113	2B	50555	IWB50555	Kukri_rep_c97239_133	5.5
2114	2B	26054	IWB26054	Excalibur_c39493_251	5.5
2115	2B	7669	IWB7669	BS00028028_51	5.5
2116	2B	30293	IWB30293	Excalibur_rep_c107769_116	6.1
2117	2B	62175	IWB62175	RAC875_rep_c112807_403	6.1
2118	2B	21634	IWB21634	Excalibur_c10406_1949	6.1
2119	2B	53547	IWB53547	RAC875_c12533_2006	6.1
2120	2B	32317	IWB32317	GENE-1230_436	6.1
2121	2B	1326	IWB1326	BobWhite_c19945_341	8.6
2122	2B	24938	IWB24938	Excalibur_c30167_243	8.9
2123	2B	11442	IWB11442	BS00086109_51	8.9
2124	2B	71519	IWB71519	Tdurum_contig44328_68	8.9
2125	2B	81154	IWA7936	wsnp_Ra_c4321_7860456	13.7
2126	2B	39756	IWB39756	Ku_c63748_1264	14.0
2127	2B	5813	IWB5813	BS00002660_51	14.0
2128	2B	8390	IWB8390	BS00045163_51	14.0
2129	2B	43883	IWB43883	Kukri_c3067_398	14.3
2130	2B	6356	IWB6356	BS00011149_51	14.3
2131	2B	9206	IWB9206	BS00064153_51	14.3
2132	2B	4667	IWB4667	BobWhite_c9843_117	14.3
2133	2B	76925	IWA2274	wsnp_Ex_c1792_3381384	18.5
2134	2B	45990	IWB45990	Kukri_c4949_201	18.5
2135	2B	79452	IWA5555	wsnp_Ex_rep_c68623_67474935	18.5
2136	2B	32593	IWB32593	GENE-1676_57	18.5
2137	2B	12154	IWB12154	BS00100939_51	18.5
2138	2B	76795	IWA2104	wsnp_Ex_c16144_24583060	18.5
2139	2B	76926	IWA2275	wsnp_Ex_c1792_3381544	18.5
2140	2B	69976	IWB69976	Tdurum_contig30210_226	18.5
2141	2B	80545	IWA7106	wsnp_Ku_c48_103915	18.5
2142	2B	26792	IWB26792	Excalibur_c46590_363	18.5
2143	2B	47594	IWB47594	Kukri_c74521_181	18.5
2144	2B	36011	IWB36011	IACX5750	18.5
2145	2B	22739	IWB22739	Excalibur_c16144_185	18.5
2146	2B	12972	IWB12972	CAP11_c585_134	18.5
2147	2B	26791	IWB26791	Excalibur_c46590_290	18.5
2148	2B	48989	IWB48989	Kukri_rep_c104422_192	18.5
2149	2B		wmc154		22.4
2150	2B	11823	IWB11823	BS00093755_51	29.9
2151	2B	76806	IWA2115	wsnp_Ex_c163_320267	29.9
2152	2B	76807	IWA2116	wsnp_Ex_c163_320858	29.9
2153	2B	76808	IWA2117	wsnp_Ex_c163_321026	29.9
2154	2B	63153	IWB63153	RAC875_rep_c79427_59	29.9
2155	2B	57906	IWB57906	RAC875_c4314_993	34.7

2156	2B	29273	IWB29273	Excalibur_c89477_207	34.7
2157	2B	23278	IWB23278	Excalibur_c19260_105	34.7
2158	2B	75619	IWA413	wsnp_BF146221B_Ta_2_2	34.7
2159	2B	46469	IWB46469	Kukri_c5497_312	38.0
2160	2B	73253	IWB73253	Tdurum_contig7495_1029	38.0
2161	2B	37705	IWB37705	JD_c6368_651	38.0
2162	2B	75713	IWA546	wsnp_BG275030A_Td_2_1	38.0
2163	2B	72380	IWB72380	Tdurum_contig54704_176	38.0
2164	2B	44373	IWB44373	Kukri_c34861_523	38.0
2165	2B	77148	IWA2572	wsnp_Ex_c21092_30220702	38.0
2166	2B	77147	IWA2571	wsnp_Ex_c21092_30220342	38.0
2167	2B	61862	IWB61862	RAC875_rep_c109207_706	38.9
2168	2B	24280	IWB24280	Excalibur_c25234_143	38.9
2169	2B	54881	IWB54881	RAC875_c19690_358	39.2
2170	2B	51371	IWB51371	Ra_c19690_1998	39.2
2171	2B	28342	IWB28342	Excalibur_c6502_397	39.5
2172	2B	2427	IWB2427	BobWhite_c31129_60	39.5
2173	2B	70087	IWB70087	Tdurum_contig30680_120	39.5
2174	2B	69396	IWB69396	Tdurum_contig27976_414	39.5
2175	2B	82	IWB82	BobWhite_c10578_272	39.5
2176	2B	71313	IWB71313	Tdurum_contig42636_1245	39.5
2177	2B	11952	IWB11952	BS00096182_51	39.5
2178	2B	25663	IWB25663	Excalibur_c36070_300	39.5
2179	2B	39654	IWB39654	Ku_c5725_892	39.5
2180	2B	32008	IWB32008	GENE-0647_106	39.5
2181	2B	56961	IWB56961	RAC875_c34516_316	39.5
2182	2B	6159	IWB6159	BS00010055_51	39.5
2183	2B	73904	IWB73904	Tdurum_contig94176_65	39.5
2184	2B	78741	IWA4652	wsnp_Ex_c7285_12506938	39.5
2185	2B	21742	IWB21742	Excalibur_c108170_294	39.5
2186	2B	43156	IWB43156	Kukri_c2565_1405	39.5
2187	2B	46810	IWB46810	Kukri_c59585_560	39.5
2188	2B	72086	IWB72086	Tdurum_contig5056_173	39.5
2189	2B	48595	IWB48595	Kukri_rep_c101093_572	39.5
2190	2B	78558	IWA4420	wsnp_Ex_c6099_10674406	39.5
2191	2B	81260	IWA8083	wsnp_Ra_c8489_14382125	39.5
2192	2B	55384	IWB55384	RAC875_c22619_364	39.5
2193	2B	36310	IWB36310	IACX8565	39.5
2194	2B	61142	IWB61142	RAC875_c95948_614	39.5
2195	2B	7072	IWB7072	BS00022422_51	41.6
2196	2B	10022	IWB10022	BS00067333_51	41.6
2197	2B	63381	IWB63381	RAC875_rep_c99492_65	41.6
2198	2B	54339	IWB54339	RAC875_c16675_580	41.6
2199	2B	45731	IWB45731	Kukri_c4710_991	41.6
2200	2B	36919	IWB36919	JD_c11869_1297	41.9
2201	2B	7481	IWB7481	BS00023221_51	41.9
2202	2B	36550	IWB36550	Jagger_c36_213	41.9
2203	2B	36124	IWB36124	IACX6223	41.9
2204	2B	71775	IWB71775	Tdurum_contig47202_1699	41.9
2205	2B	7781	IWB7781	BS00030497_51	41.9
2206	2B	31001	IWB31001	Excalibur_rep_c68899_1400	41.9
2207	2B	44618	IWB44618	Kukri_c36879_83	41.9
2208	2B	39832	IWB39832	Ku_c68678_924	41.9
2209	2B	72760	IWB72760	Tdurum_contig60978_352	41.9

2210	2B	31002	IWB31002	Excalibur_rep_c68899_191	41.9
2211	2B	57346	IWB57346	RAC875_c37837_889	41.9
2212	2B	34324	IWB34324	IAAV1101	41.9
2213	2B	71597	IWB71597	Tdurum_contig45350_605	41.9
2214	2B	60831	IWB60831	RAC875_c86069_65	41.9
2215	2B	72894	IWB72894	Tdurum_contig62458_179	41.9
2216	2B	2380	IWB2380	BobWhite_c30622_180	41.9
2217	2B	10024	IWB10024	BS00067337_51	42.2
2218	2B	2338	IWB2338	BobWhite_c30112_275	42.5
2219	2B	2818	IWB2818	BobWhite_c36072_272	42.5
2220	2B	26450	IWB26450	Excalibur_c43482_196	42.5
2221	2B	39513	IWB39513	Ku_c4790_797	42.5
2222	2B	28282	IWB28282	Excalibur_c64276_565	42.5
2223	2B	3116	IWB3116	BobWhite_c40418_289	42.5
2224	2B	72685	IWB72685	Tdurum_contig59780_988	42.5
2225	2B	8332	IWB8332	BS00043099_51	42.5
2226	2B	8125	IWB8125	BS00038217_51	42.5
2227	2B	72915	IWB72915	Tdurum_contig62852_538	42.5
2228	2B	32327	IWB32327	GENE-1246_417	42.5
2229	2B	79647	IWA5818	wsnp_JD_c12687_12877994	42.5
2230	2B	40265	IWB40265	Kukri_c1016_1123	42.5
2231	2B	30853	IWB30853	Excalibur_rep_c67391_476	42.5
2232	2B	72916	IWB72916	Tdurum_contig62852_592	42.5
2233	2B	24312	IWB24312	Excalibur_c25430_183	42.5
2234	2B	22043	IWB22043	Excalibur_c12135_100	42.5
2235	2B	70370	IWB70370	Tdurum_contig32621_437	42.5
2236	2B	45998	IWB45998	Kukri_c49522_254	42.5
2237	2B	73598	IWB73598	Tdurum_contig82821_324	42.5
2238	2B	73495	IWB73495	Tdurum_contig81323_291	42.5
2239	2B	70581	IWB70581	Tdurum_contig36804_98	42.5
2240	2B	39862	IWB39862	Ku_c69635_2786	42.5
2241	2B	26449	IWB26449	Excalibur_c43482_141	42.5
2242	2B	24614	IWB24614	Excalibur_c27716_544	42.5
2243	2B	56798	IWB56798	RAC875_c3302_1411	42.5
2244	2B	45825	IWB45825	Kukri_c4790_923	42.5
2245	2B	45822	IWB45822	Kukri_c4790_154	42.5
2246	2B	47284	IWB47284	Kukri_c66123_88	42.5
2247	2B	46777	IWB46777	Kukri_c5904_80	42.5
2248	2B	22995	IWB22995	Excalibur_c17633_111	42.5
2249	2B	12537	IWB12537	BS00110442_51	42.5
2250	2B	12205	IWB12205	BS00103461_51	42.5
2251	2B	41315	IWB41315	Kukri_c15043_326	42.5
2252	2B	54201	IWB54201	RAC875_c16009_223	42.5
2253	2B	47380	IWB47380	Kukri_c67276_76	42.5
2254	2B	47379	IWB47379	Kukri_c67276_103	42.5
2255	2B	12514	IWB12514	BS00110319_51	42.5
2256	2B	78338	IWA4135	wsnp_Ex_c5239_9272511	42.5
2257	2B	78756	IWA4673	wsnp_Ex_c741_1456698	42.5
2258	2B	74841	IWB74841	tplb0045o20_1168	42.5
2259	2B	64716	IWB64716	RFL_Contig4542_1281	42.5
2260	2B	8126	IWB8126	BS00038218_51	42.5
2261	2B	81444	IWA8381	wsnp_RFL_Contig2744_2471775	42.5
2262	2B	74844	IWB74844	tplb0045o20_699	42.5
2263	2B	73496	IWB73496	Tdurum_contig81323_527	42.5

2264	2B	63879	IWB63879	RFL_Contig2231_346	42.5
2265	2B	58252	IWB58252	RAC875_c46454_129	42.5
2266	2B	11072	IWB11072	BS00079213_51	42.5
2267	2B	7738	IWB7738	BS00029713_51	42.5
2268	2B	6075	IWB6075	BS00009540_51	42.5
2269	2B	3877	IWB3877	BobWhite_c5511_323	42.5
2270	2B	68550	IWB68550	Tdurum_contig1653_190	42.5
2271	2B	60422	IWB60422	RAC875_c76533_442	42.5
2272	2B	55924	IWB55924	RAC875_c26415_350	42.5
2273	2B	50438	IWB50438	Kukri_rep_c85389_715	42.5
2274	2B	5684	IWB5684	BobWhite_s65298_124	42.5
2275	2B	45048	IWB45048	Kukri_c40637_223	42.8
2276	2B	24241	IWB24241	Excalibur_c2496_1141	42.8
2277	2B	57072	IWB57072	RAC875_c35438_474	42.8
2278	2B	59095	IWB59095	RAC875_c55059_202	42.8
2279	2B	6822	IWB6822	BS00021959_51	43.3
2280	2B	26101	IWB26101	Excalibur_c40056_59	43.3
2281	2B	48240	IWB48240	Kukri_c9102_84	43.3
2282	2B	37019	IWB37019	JD_c14855_506	43.6
2283	2B	36727	IWB36727	Jagger_c7206_101	43.6
2284	2B	28372	IWB28372	Excalibur_c65450_1279	43.6
2285	2B	32482	IWB32482	GENE-1430_599	43.6
2286	2B	39369	IWB39369	Ku_c4042_1178	43.6
2287	2B	39370	IWB39370	Ku_c4042_576	43.6
2288	2B	42880	IWB42880	Kukri_c2387_2011	43.6
2289	2B	42993	IWB42993	Kukri_c24586_923	43.6
2290	2B	49035	IWB49035	Kukri_rep_c104810_341	43.6
2291	2B	75538	IWA295	wsnp_BE497494B_Ta_2_1	43.6
2292	2B	10430	IWB10430	BS00070001_51	43.6
2293	2B	32424	IWB32424	GENE-1365_16	43.6
2294	2B	45685	IWB45685	Kukri_c46621_143	43.6
2295	2B	59396	IWB59396	RAC875_c58652_80	43.6
2296	2B	77137	IWA2557	wsnp_Ex_c20786_29875033	43.6
2297	2B	78638	IWA4531	wsnp_Ex_c6537_11338763	43.6
2298	2B	81229	IWA8046	wsnp_Ra_c67199_65253620	43.6
2299	2B	50839	IWB50839	Ra_c107358_279	43.6
2300	2B	63700	IWB63700	RFL_Contig1633_304	43.6
2301	2B	76061	IWA1114	wsnp_CAP7_rep_c12606_5316797	43.6
2302	2B	78639	IWA4532	wsnp_Ex_c6537_11339130	43.6
2303	2B	75872	IWA762	wsnp_CAP11_c3947_1866837	43.6
2304	2B	32088	IWB32088	GENE-0767_62	43.6
2305	2B	80484	IWA7030	wsnp_Ku_c4042_7375890	43.6
2306	2B	5826	IWB5826	BS00003404_51	43.6
2307	2B	7111	IWB7111	BS00022486_51	43.6
2308	2B	75873	IWA763	wsnp_CAP11_c3947_1867089	43.6
2309	2B	53857	IWB53857	RAC875_c14076_287	43.6
2310	2B	62688	IWB62688	RAC875_rep_c70402_527	43.6
2311	2B	79456	IWA5560	wsnp_Ex_rep_c68704_67559626	43.6
2312	2B	71005	IWB71005	Tdurum_contig42214_1195	43.6
2313	2B	73426	IWB73426	Tdurum_contig77602_931	43.6
2314	2B	77708	IWA3329	wsnp_Ex_c31274_40086873	43.6
2315	2B	75763	IWA607	wsnp_BM140364B_Ta_2_1	43.6
2316	2B	3002	IWB3002	BobWhite_c38833_197	43.6
2317	2B	38875	IWB38875	Ku_c2387_1855	43.6

2318	2B	51809	IWB51809	Ra_c31463_148	43.6
2319	2B	56915	IWB56915	RAC875_c34191_102	43.6
2320	2B	58852	IWB58852	RAC875_c52566_447	43.6
2321	2B	6607	IWB6607	BS00014923_51	43.6
2322	2B	45644	IWB45644	Kukri_c4632_115	43.6
2323	2B	78794	IWA4720	wsnp_Ex_c7738_13195349	43.6
2324	2B	4951	IWB4951	BobWhite_rep_c51373_453	43.6
2325	2B	35350	IWB35350	IAAV7487	43.6
2326	2B	79709	IWA5916	wsnp_JD_c20720_18369335	43.6
2327	2B	46175	IWB46175	Kukri_c51619_265	43.6
2328	2B	55177	IWB55177	RAC875_c21378_474	43.6
2329	2B	77136	IWA2556	wsnp_Ex_c20786_29874875	43.6
2330	2B	75764	IWA608	wsnp_BM140364B_Ta_2_3	43.6
2331	2B	22744	IWB22744	Excalibur_c16154_246	43.6
2332	2B	80483	IWA7029	wsnp_Ku_c4042_7375053	43.6
2333	2B	77369	IWA2887	wsnp_Ex_c2430_4546479	43.6
2334	2B	65460	IWB65460	TA001821-0411	43.6
2335	2B	41111	IWB41111	Kukri_c13884_74	43.6
2336	2B	36153	IWB36153	IACX6411	43.9
2337	2B	61973	IWB61973	RAC875_rep_c110493_512	43.9
2338	2B	44605	IWB44605	Kukri_c36756_316	43.9
2339	2B	62221	IWB62221	RAC875_rep_c113555_122	43.9
2340	2B	73607	IWB73607	Tdurum_contig83066_276	43.9
2341	2B	81352	IWA8221	wsnp_RFL_Contig1074_103556	43.9
2342	2B	24397	IWB24397	Excalibur_c26042_260	43.9
2343	2B	40383	IWB40383	Kukri_c106282_114	43.9
2344	2B	37419	IWB37419	JD_c39990_130	43.9
2345	2B	22202	IWB22202	Excalibur_c1305_662	43.9
2346	2B	32005	IWB32005	GENE-0644_370	43.9
2347	2B	62112	IWB62112	RAC875_rep_c112008_519	43.9
2348	2B	38861	IWB38861	Ku_c23446_2209	43.9
2349	2B	50813	IWB50813	Ra_c106376_879	43.9
2350	2B	32006	IWB32006	GENE-0644_42	43.9
2351	2B	77183	IWA2624	wsnp_Ex_c2153_4043746	43.9
2352	2B	80335	IWA6838	wsnp_Ku_c28266_38201643	43.9
2353	2B	47512	IWB47512	Kukri_c7139_6288	43.9
2354	2B	11568	IWB11568	BS00088575_51	43.9
2355	2B	32007	IWB32007	GENE-0644_421	43.9
2356	2B	2285	IWB2285	BobWhite_c29572_73	43.9
2357	2B	26119	IWB26119	Excalibur_c40229_76	43.9
2358	2B	12063	IWB12063	BS00099361_51	44.2
2359	2B	34613	IWB34613	IAAV2784	44.2
2360	2B	56586	IWB56586	RAC875_c31252_138	44.2
2361	2B	7334	IWB7334	BS00022944_51	44.2
2362	2B	53499	IWB53499	RAC875_c12191_77	44.2
2363	2B	60825	IWB60825	RAC875_c85927_269	44.2
2364	2B	34771	IWB34771	IAAV3789	44.2
2365	2B	23924	IWB23924	Excalibur_c23185_155	44.2
2366	2B	7335	IWB7335	BS00022949_51	44.2
2367	2B	22852	IWB22852	Excalibur_c16798_244	44.2
2368	2B	47399	IWB47399	Kukri_c67546_342	44.2
2369	2B	53925	IWB53925	RAC875_c14420_100	44.2
2370	2B	22853	IWB22853	Excalibur_c16798_281	44.2
2371	2B	44975	IWB44975	Kukri_c39968_221	44.2

2372	2B	12056	IWB12056	BS00099097_51	44.2
2373	2B	44610	IWB44610	Kukri_c36783_91	44.4
2374	2B	54123	IWB54123	RAC875_c15649_1101	44.4
2375	2B	68715	IWB68715	Tdurum_contig18197_86	44.4
2376	2B	7069	IWB7069	BS00022417_51	44.4
2377	2B	35158	IWB35158	IAAV6156	44.4
2378	2B	57695	IWB57695	RAC875_c41242_133	44.4
2379	2B	63032	IWB63032	RAC875_rep_c74590_606	44.4
2380	2B	21988	IWB21988	Excalibur_c11863_289	44.4
2381	2B	32258	IWB32258	GENE-1147_226	44.4
2382	2B	23709	IWB23709	Excalibur_c21882_599	44.4
2383	2B	33642	IWB33642	GENE-3867_1133	44.4
2384	2B	73030	IWB73030	Tdurum_contig65756_350	44.4
2385	2B	58343	IWB58343	RAC875_c47353_350	44.4
2386	2B	63569	IWB63569	RFL_Contig1139_602	44.4
2387	2B	66885	IWB66885	Tdurum_contig10994_617	44.4
2388	2B	80092	IWA6509	wsnp_Ku_c13905_22034406	44.4
2389	2B	75949	IWA897	wsnp_CAP11_rep_c8700_3756682	44.4
2390	2B	10408	IWB10408	BS00069627_51	44.4
2391	2B	35020	IWB35020	IAAV539	44.4
2392	2B	63655	IWB63655	RFL_Contig1483_1765	44.4
2393	2B	76524	IWA1763	wsnp_Ex_c13351_21042379	44.4
2394	2B	35295	IWB35295	IAAV7129	44.4
2395	2B	63570	IWB63570	RFL_Contig1139_817	44.4
2396	2B	73834	IWB73834	Tdurum_contig92963_204	44.4
2397	2B	74443	IWB74443	tplb0031k24_254	44.4
2398	2B	34871	IWB34871	IAAV4434	44.4
2399	2B	4196	IWB4196	BobWhite_c662_148	44.4
2400	2B	80953	IWA7661	wsnp_Ra_c16822_25566950	44.4
2401	2B	11527	IWB11527	BS00087793_51	44.4
2402	2B	73197	IWB73197	Tdurum_contig71387_65	44.4
2403	2B	38081	IWB38081	Ku_c103035_323	44.4
2404	2B	32069	IWB32069	GENE-0724_612	45.0
2405	2B	60513	IWB60513	RAC875_c7827_218	45.0
2406	2B	65998	IWB65998	TA005635-0459	45.0
2407	2B	24026	IWB24026	Excalibur_c23723_141	45.0
2408	2B	77663	IWA3277	wsnp_Ex_c3044_5620102	45.3
2409	2B	8294	IWB8294	BS00041921_51	45.3
2410	2B	45219	IWB45219	Kukri_c42244_809	45.8
2411	2B	13596	IWB13596	CAP12_rep_c4483_301	46.4
2412	2B	76047	IWA1087	wsnp_CAP7_c402_217331	46.4
2413	2B	65378	IWB65378	TA001322-1176	46.4
2414	2B	79043	IWA5038	wsnp_Ex_rep_c101906_87187119	46.4
2415	2B	79812	IWA6075	wsnp_JD_c4699_5834958	46.4
2416	2B	50518	IWB50518	Kukri_rep_c94009_116	46.4
2417	2B	35009	IWB35009	IAAV5331	46.4
2418	2B	40225	IWB40225	Kukri_c10054_567	46.4
2419	2B	11686	IWB11686	BS00091007_51	46.4
2420	2B	77785	IWA3428	wsnp_Ex_c33246_41764093	46.4
2421	2B	79847	IWA6136	wsnp_JD_c6350_7517130	46.4
2422	2B	4614	IWB4614	BobWhite_c948_52	46.4
2423	2B	8334	IWB8334	BS00043103_51	46.4
2424	2B	44901	IWB44901	Kukri_c39230_362	46.7
2425	2B	8099	IWB8099	BS00037278_51	46.7

2426	2B	61226	IWB61226	RAC875_c97988_87	46.7
2427	2B	80327	IWA6830	wsnp_Ku_c27759_37702654	46.7
2428	2B	48313	IWB48313	Kukri_c9281_71	47.0
2429	2B	6017	IWB6017	BS00007901_51	47.5
2430	2B	53627	IWB53627	RAC875_c12968_1526	47.5
2431	2B	75453	IWA170	wsnp_BE445278B_Ta_2_3	47.5
2432	2B	58269	IWB58269	RAC875_c46661_184	47.5
2433	2B	75452	IWA169	wsnp_BE445278B_Ta_2_1	47.5
2434	2B	8102	IWB8102	BS00037345_51	47.5
2435	2B	29314	IWB29314	Excalibur_c90811_88	47.5
2436	2B	22675	IWB22675	Excalibur_c15696_1280	47.5
2437	2B	78702	IWA4606	wsnp_Ex_c7003_12065828	47.5
2438	2B	58691	IWB58691	RAC875_c5080_915	47.5
2439	2B	64964	IWB64964	RFL_Contig5290_1493	47.5
2440	2B	19446	IWB19446	D_GDS7LZN02HZNCY_321	47.5
2441	2B	57293	IWB57293	RAC875_c3752_890	47.5
2442	2B	75877	IWA771	wsnp_CAP11_c5240_2436441	47.5
2443	2B	75882	IWA777	wsnp_CAP11_c5474_2542616	47.5
2444	2B	76065	IWA1130	wsnp_CAP7_rep_c7349_3284058	47.5
2445	2B	76105	IWA1229	wsnp_CAP8_rep_c4147_2032009	47.5
2446	2B	78311	IWA4100	wsnp_Ex_c51352_55323092	47.5
2447	2B	75881	IWA776	wsnp_CAP11_c5474_2542512	47.5
2448	2B	81067	IWA7821	wsnp_Ra_c2842_5399988	47.5
2449	2B	22676	IWB22676	Excalibur_c15696_737	47.5
2450	2B	39776	IWB39776	Ku_c6546_718	47.5
2451	2B	14833	IWB14833	CAP8_c5800_150	47.5
2452	2B	14239	IWB14239	CAP7_c7349_21	47.5
2453	2B	14712	IWB14712	CAP8_c3982_23	47.5
2454	2B	65623	IWB65623	TA002964-0938	47.5
2455	2B	60612	IWB60612	RAC875_c8045_231	47.5
2456	2B	4546	IWB4546	BobWhite_c892_73	47.5
2457	2B	54447	IWB54447	RAC875_c17331_129	47.5
2458	2B	59317	IWB59317	RAC875_c57901_354	47.5
2459	2B	76110	IWA1237	wsnp_CAP8_rep_c5599_2654989	47.5
2460	2B	51511	IWB51511	Ra_c23048_474	47.5
2461	2B	5274	IWB5274	BobWhite_rep_c61602_139	48.7
2462	2B	27246	IWB27246	Excalibur_c5169_598	48.7
2463	2B	8834	IWB8834	BS00061268_51	48.7
2464	2B	59746	IWB59746	RAC875_c63112_460	48.7
2465	2B	68884	IWB68884	Tdurum_contig20589_247	48.7
2466	2B	61926	IWB61926	RAC875_rep_c109975_192	48.7
2467	2B	23131	IWB23131	Excalibur_c18417_285	48.7
2468	2B	19067	IWB19067	D_GDEEGVY02G3Q15_336	50.1
2469	2B		barc18		50.1
2470	2B	40605	IWB40605	Kukri_c11488_874	51.0
2471	2B	17014	IWB17014	D_contig65683_344	51.0
2472	2B	685	IWB685	BobWhite_c14686_86	52.7
2473	2B	66959	IWB66959	Tdurum_contig11172_443	52.7
2474	2B	75562	IWA326	wsnp_be499362B_Td_2_1	52.7
2475	2B	14855	IWB14855	CAP8_c6219_239	52.7
2476	2B	67903	IWB67903	Tdurum_contig13223_701	52.7
2477	2B	64813	IWB64813	RFL_Contig4849_702	52.7
2478	2B	72819	IWB72819	Tdurum_contig61682_187	52.7
2479	2B	72999	IWB72999	Tdurum_contig64751_120	52.9

2480	2B	1520	IWB1520	BobWhite_c21705_722	52.9
2481	2B	1518	IWB1518	BobWhite_c21705_196	52.9
2482	2B	73000	IWB73000	Tdurum_contig64751_231	52.9
2483	2B	78067	IWA3786	wsnp_Ex_c41558_48356869	54.6
2484	2B	51291	IWB51291	Ra_c1799_1066	54.6
2485	2B	39834	IWB39834	Ku_c68762_669	54.6
2486	2B	30234	IWB30234	Excalibur_rep_c106939_325	54.6
2487	2B	12692	IWB12692	CAP11_c1476_128	54.6
2488	2B	80475	IWA7019	wsnp_Ku_c4004_7311479	54.6
2489	2B	79662	IWA5846	wsnp_JD_c14405_14144807	54.6
2490	2B	78066	IWA3785	wsnp_Ex_c41558_48356814	54.6
2491	2B	36462	IWB36462	Jagger_c1810_163	54.6
2492	2B	51844	IWB51844	Ra_c32699_410	54.6
2493	2B	43105	IWB43105	Kukri_c25281_99	54.6
2494	2B	79115	IWA5128	wsnp_Ex_rep_c105129_89641882	54.6
2495	2B	79875	IWA6175	wsnp_JD_c758_1132463	54.6
2496	2B	80439	IWA6969	wsnp_Ku_c3780_6950286	54.6
2497	2B	40624	IWB40624	Kukri_c11566_386	54.6
2498	2B	52801	IWB52801	Ra_c9190_1384	54.6
2499	2B	62680	IWB62680	RAC875_rep_c70357_917	54.6
2500	2B	76458	IWA1690	wsnp_Ex_c128_255285	54.6
2501	2B	76910	IWA2253	wsnp_Ex_c17700_26446810	54.6
2502	2B	79431	IWA5525	wsnp_Ex_rep_c68386_67199155	54.6
2503	2B	21339	IWB21339	Ex_c7958_1923	54.6
2504	2B	24879	IWB24879	Excalibur_c29734_1152	54.6
2505	2B	69329	IWB69329	Tdurum_contig27828_177	54.6
2506	2B	79020	IWA5008	wsnp_Ex_rep_c101349_86725007	54.6
2507	2B	46339	IWB46339	Kukri_c53402_251	54.6
2508	2B	56421	IWB56421	RAC875_c30053_167	54.6
2509	2B	77415	IWA2955	wsnp_Ex_c25217_34481787	54.6
2510	2B	67747	IWB67747	Tdurum_contig12836_418	54.6
2511	2B	78903	IWA4853	wsnp_Ex_c8894_14858193	54.6
2512	2B	3657	IWB3657	BobWhite_c4843_282	54.6
2513	2B		gwm388		59.4
2514	2B	69151	IWB69151	Tdurum_contig25629_415	60.8
2515	2B	11849	IWB11849	BS00093993_51	61.1
2516	2B	19389	IWB19389	D_GDS7LZN02G536K_199	61.1
2517	2B	25875	IWB25875	Excalibur_c37804_518	61.1
2518	2B	28529	IWB28529	Excalibur_c6922_1393	61.1
2519	2B	43186	IWB43186	Kukri_c25815_263	61.1
2520	2B	75491	IWA226	wsnp_BE490267A_Ta_2_1	61.1
2521	2B	6667	IWB6667	BS00019285_51	61.1
2522	2B	7263	IWB7263	BS00022800_51	61.1
2523	2B	35303	IWB35303	IAAV717	61.1
2524	2B	36041	IWB36041	IACX5850	61.1
2525	2B	53996	IWB53996	RAC875_c14775_1048	61.1
2526	2B	64817	IWB64817	RFL_Contig4856_71	61.1
2527	2B	9286	IWB9286	BS00064448_51	61.1
2528	2B	79347	IWA5411	wsnp_Ex_rep_c67543_66165372	61.1
2529	2B	35013	IWB35013	IAAV5350	61.1
2530	2B	30756	IWB30756	Excalibur_rep_c66577_159	61.1
2531	2B	8009	IWB8009	BS00035335_51	61.1
2532	2B	20922	IWB20922	Ex_c55735_1012	61.7
2533	2B	11808	IWB11808	BS00093403_51	61.7

2534	2B	78443	IWA4275	wsnp_Ex_c55735_58127324	61.7
2535	2B	49567	IWB49567	Kukri_rep_c112675_676	61.7
2536	2B	32126	IWB32126	GENE-0872_133	61.7
2537	2B	55736	IWB55736	RAC875_c25035_958	62.8
2538	2B	32410	IWB32410	GENE-1352_214	62.8
2539	2B	70242	IWB70242	Tdurum_contig31414_100	62.8
2540	2B	39865	IWB39865	Ku_c6970_2174	63.1
2541	2B	73199	IWB73199	Tdurum_contig7144_602	63.1
2542	2B	32140	IWB32140	GENE-0910_153	63.1
2543	2B	47474	IWB47474	Kukri_c693_87	63.1
2544	2B	6524	IWB6524	BS00012071_51	63.1
2545	2B	10507	IWB10507	BS00070861_51	63.1
2546	2B	11345	IWB11345	BS00084130_51	63.1
2547	2B	76917	IWA2261	wsnp_Ex_c17845_26604587	63.1
2548	2B	73198	IWB73198	Tdurum_contig7144_248	63.1
2549	2B	10411	IWB10411	BS00069685_51	63.1
2550	2B	28591	IWB28591	Excalibur_c71500_231	63.1
2551	2B	43828	IWB43828	Kukri_c3024_1163	63.7
2552	2B	35244	IWB35244	IAAV677	63.7
2553	2B	47695	IWB47695	Kukri_c7666_746	63.7
2554	2B	24309	IWB24309	Excalibur_c25414_806	63.7
2555	2B	62876	IWB62876	RAC875_rep_c72476_295	63.7
2556	2B	66494	IWB66494	Tdurum_contig10380_87	63.7
2557	2B	67609	IWB67609	Tdurum_contig12459_664	63.7
2558	2B	68993	IWB68993	Tdurum_contig23247_66	63.7
2559	2B	73241	IWB73241	Tdurum_contig74826_330	63.7
2560	2B	66493	IWB66493	Tdurum_contig10380_278	63.7
2561	2B	72164	IWB72164	Tdurum_contig51168_326	63.7
2562	2B	11092	IWB11092	BS00079621_51	63.7
2563	2B	47694	IWB47694	Kukri_c7666_2637	63.7
2564	2B	1665	IWB1665	BobWhite_c23054_1464	63.7
2565	2B	47691	IWB47691	Kukri_c7666_1389	63.7
2566	2B	73669	IWB73669	Tdurum_contig84620_175	63.7
2567	2B	72096	IWB72096	Tdurum_contig50589_867	63.7
2568	2B	1664	IWB1664	BobWhite_c23054_1192	63.7
2569	2B	45932	IWB45932	Kukri_c49007_501	63.9
2570	2B	78182	IWA3935	wsnp_Ex_c4542_8154800	63.9
2571	2B	78932	IWA4890	wsnp_Ex_c922_1775246	63.9
2572	2B	11045	IWB11045	BS00079013_51	63.9
2573	2B	32487	IWB32487	GENE-1444_162	63.9
2574	2B	78972	IWA4948	wsnp_Ex_c9628_15927045	63.9
2575	2B	41820	IWB41820	Kukri_c1782_1678	63.9
2576	2B	66389	IWB66389	Tdurum_contig10237_356	63.9
2577	2B	76220	IWA1389	wsnp_Ex_c10796_17575074	63.9
2578	2B	57521	IWB57521	RAC875_c3947_441	63.9
2579	2B	309	IWB309	BobWhite_c12134_1140	63.9
2580	2B	1661	IWB1661	BobWhite_c23046_293	63.9
2581	2B	30332	IWB30332	Excalibur_rep_c108225_302	64.2
2582	2B	72542	IWB72542	Tdurum_contig5691_596	64.5
2583	2B	72651	IWB72651	Tdurum_contig59522_420	64.5
2584	2B	78509	IWA4357	wsnp_Ex_c58274_59638884	64.5
2585	2B	78510	IWA4358	wsnp_Ex_c58274_59639258	64.5
2586	2B	13870	IWB13870	CAP7_c1933_170	64.5
2587	2B	49572	IWB49572	Kukri_rep_c112754_101	64.5

2588	2B	53839	IWB53839	RAC875_c14039_299	64.5
2589	2B	76954	IWA2318	wsnp_Ex_c18503_27349536	64.5
2590	2B	78508	IWA4356	wsnp_Ex_c58274_59638635	64.5
2591	2B	1556	IWB1556	BobWhite_c22106_204	64.5
2592	2B	72650	IWB72650	Tdurum_contig59522_262	64.5
2593	2B	3891	IWB3891	BobWhite_c5543_492	64.5
2594	2B	64882	IWB64882	RFL_Contig5073_1003	64.5
2595	2B	73114	IWB73114	Tdurum_contig68666_570	64.5
2596	2B	12045	IWB12045	BS00098739_51	64.5
2597	2B	77760	IWA3395	wsnp_Ex_c32493_41138957	64.5
2598	2B	73343	IWB73343	Tdurum_contig76090_916	64.5
2599	2B	72541	IWB72541	Tdurum_contig5691_526	64.5
2600	2B	81090	IWA7850	wsnp_Ra_c31353_40494768	64.8
2601	2B	12654	IWB12654	CAP11_c1036_238	64.8
2602	2B	11159	IWB11159	BS00080967_51	64.8
2603	2B	51807	IWB51807	Ra_c31353_172	64.8
2604	2B	28479	IWB28479	Excalibur_c6769_758	65.1
2605	2B	11302	IWB11302	BS00083497_51	65.1
2606	2B	28478	IWB28478	Excalibur_c6769_1371	65.1
2607	2B	28337	IWB28337	Excalibur_c64983_65	65.1
2608	2B	11868	IWB11868	BS00094373_51	65.1
2609	2B	74926	IWB74926	tplb0049b10_696	65.1
2610	2B	73172	IWB73172	Tdurum_contig70510_462	65.1
2611	2B	68759	IWB68759	Tdurum_contig18858_324	65.1
2612	2B	65910	IWB65910	TA004957-0405	65.1
2613	2B	72911	IWB72911	Tdurum_contig62800_207	65.1
2614	2B	8421	IWB8421	BS00046166_51	65.1
2615	2B	7131	IWB7131	BS00022518_51	65.1
2616	2B	23831	IWB23831	Excalibur_c22637_235	65.3
2617	2B	22281	IWB22281	Excalibur_c1353_1364	65.3
2618	2B	102	IWB102	BobWhite_c1072_100	65.3
2619	2B	67208	IWB67208	Tdurum_contig11653_371	65.3
2620	2B	56162	IWB56162	RAC875_c28108_400	65.3
2621	2B	4443	IWB4443	BobWhite_c8253_397	65.6
2622	2B	5436	IWB5436	BobWhite_rep_c64049_232	65.6
2623	2B	6453	IWB6453	BS00011630_51	65.6
2624	2B	9117	IWB9117	BS00063727_51	65.6
2625	2B	11451	IWB11451	BS00086322_51	65.6
2626	2B	48248	IWB48248	Kukri_c9118_1774	65.6
2627	2B	51068	IWB51068	Ra_c13679_2284	65.6
2628	2B	78034	IWA3742	wsnp_Ex_c40976_47910672	65.6
2629	2B	81334	IWA8195	wsnp_Ra_rep_c74497_72390803	65.6
2630	2B	73472	IWB73472	Tdurum_contig80351_311	65.6
2631	2B	76474	IWA1708	wsnp_Ex_c12922_20473104	65.6
2632	2B	77103	IWA2514	wsnp_Ex_c20182_29230528	65.6
2633	2B	78033	IWA3741	wsnp_Ex_c40976_47910144	65.6
2634	2B	1188	IWB1188	BobWhite_c18540_351	65.6
2635	2B	2982	IWB2982	BobWhite_c3871_1596	65.6
2636	2B	37190	IWB37190	JD_c2156_2040	65.6
2637	2B	35003	IWB35003	IAAV5307	65.6
2638	2B	76473	IWA1707	wsnp_Ex_c12922_20472434	65.6
2639	2B	9247	IWB9247	BS00064318_51	65.6
2640	2B	32165	IWB32165	GENE-0966_173	65.6
2641	2B	43170	IWB43170	Kukri_c25716_445	65.6

2642	2B	1630	IWB1630	BobWhite_c22728_257	65.6
2643	2B	9873	IWB9873	BS00066719_51	65.9
2644	2B	46242	IWB46242	Kukri_c52356_96	65.9
2645	2B	32190	IWB32190	GENE-1012_680	65.9
2646	2B	36270	IWB36270	IACX8096	65.9
2647	2B	68283	IWB68283	Tdurum_contig14707_251	65.9
2648	2B	43934	IWB43934	Kukri_c31059_130	65.9
2649	2B	81396	IWA8295	wsnp_RFL_Contig2123_1397739	65.9
2650	2B	22762	IWB22762	Excalibur_c1625_1215	67.3
2651	2B	77358	IWA2873	wsnp_Ex_c24135_33382521	67.6
2652	2B	77576	IWA3176	wsnp_Ex_c28627_37743031	67.6
2653	2B	36072	IWB36072	IACX5941	67.6
2654	2B	34664	IWB34664	IAAV3100	67.6
2655	2B	68692	IWB68692	Tdurum_contig17826_338	69.0
2656	2B	39394	IWB39394	Ku_c4168_1399	69.0
2657	2B	25281	IWB25281	Excalibur_c32980_169	69.9
2658	2B	9514	IWB9514	BS00065327_51	69.9
2659	2B	9560	IWB9560	BS00065471_51	69.9
2660	2B	46631	IWB46631	Kukri_c57014_168	72.6
2661	2B	516	IWB516	BobWhite_c13525_262	72.6
2662	2B	71742	IWB71742	Tdurum_contig47_185	73.1
2663	2B	73846	IWB73846	Tdurum_contig93103_284	73.1
2664	2B	73196	IWB73196	Tdurum_contig71365_233	73.1
2665	2B	11280	IWB11280	BS00082967_51	81.7
2666	2B	79078	IWA5081	wsnp_Ex_rep_c103064_88104690	81.7
2667	2B	10251	IWB10251	BS00068181_51	81.7
2668	2B	11174	IWB11174	BS00081189_51	82.3
2669	2B	11366	IWB11366	BS00084417_51	87.9
2670	2B	28108	IWB28108	Excalibur_c62234_105	87.9
2671	2B	23797	IWB23797	Excalibur_c224_1383	87.9
2672	2B	36334	IWB36334	IACX8947	87.9
2673	2B	32416	IWB32416	GENE-1355_130	87.9
2674	2B	59983	IWB59983	RAC875_c65882_668	87.9
2675	2B	32417	IWB32417	GENE-1355_265	87.9
2676	2B	11123	IWB11123	BS00080318_51	87.9
2677	2B	28191	IWB28191	Excalibur_c63327_110	87.9
2678	2B	36286	IWB36286	IACX8298	88.2
2679	2B	11101	IWB11101	BS00079941_51	88.2
2680	2B	6113	IWB6113	BS00009791_51	88.2
2681	2B	56526	IWB56526	RAC875_c30797_179	88.2
2682	2B	2534	IWB2534	BobWhite_c32319_268	88.2
2683	2B	2535	IWB2535	BobWhite_c32319_313	88.2
2684	2B	6334	IWB6334	BS00011047_51	88.2
2685	2B	5864	IWB5864	BS00003673_51	88.2
2686	2B	36753	IWB36753	Jagger_c7688_98	88.2
2687	2B	8813	IWB8813	BS00060618_51	88.2
2688	2B	34773	IWB34773	IAAV3800	94.4
2689	2B	40501	IWB40501	Kukri_c11040_787	94.4
2690	2B	32262	IWB32262	GENE-1151_455	94.4
2691	2B	61339	IWB61339	RAC875_rep_c102485_468	94.4
2692	2B	46560	IWB46560	Kukri_c55909_1109	94.4
2693	2B	54701	IWB54701	RAC875_c1858_2693	94.4
2694	2B	47255	IWB47255	Kukri_c657_1607	95.0
2695	2B	5427	IWB5427	BobWhite_rep_c64004_321	95.0

2696	2B	73375	IWB73375	Tdurum_contig76550_1261	95.0
2697	2B	28596	IWB28596	Excalibur_c71561_356	95.0
2698	2B	54383	IWB54383	RAC875_c1696_991	95.0
2699	2B	61115	IWB61115	RAC875_c95081_166	95.0
2700	2B	27625	IWB27625	Excalibur_c56062_223	95.0
2701	2B	45108	IWB45108	Kukri_c4117_160	95.0
2702	2B	60544	IWB60544	RAC875_c78921_228	95.0
2703	2B	60546	IWB60546	RAC875_c78921_418	95.0
2704	2B	45109	IWB45109	Kukri_c4117_2196	95.0
2705	2B	44451	IWB44451	Kukri_c35459_419	95.0
2706	2B	47254	IWB47254	Kukri_c657_1514	95.0
2707	2B	68997	IWB68997	Tdurum_contig234_1093	95.0
2708	2B	45110	IWB45110	Kukri_c4117_2610	95.0
2709	2B	27661	IWB27661	Excalibur_c56550_71	96.1
2710	2B	27660	IWB27660	Excalibur_c56550_425	96.1
2711	2B	54348	IWB54348	RAC875_c16727_1826	96.1
2712	2B	62356	IWB62356	RAC875_rep_c116263_97	96.1
2713	2B	40458	IWB40458	Kukri_c10869_489	96.1
2714	2B	40455	IWB40455	Kukri_c10869_1366	96.1
2715	2B	63210	IWB63210	RAC875_rep_c83950_222	96.1
2716	2B	40456	IWB40456	Kukri_c10869_1591	96.1
2717	2B	63604	IWB63604	RFL_Contig1307_382	96.7
2718	2B	71	IWB71	BobWhite_c10520_1517	96.7
2719	2B	1795	IWB1795	BobWhite_c24069_152	99.3
2720	2B	27094	IWB27094	Excalibur_c49875_479	99.3
2721	2B	1796	IWB1796	BobWhite_c24069_257	99.3
2722	2B	29325	IWB29325	Excalibur_c910_946	99.6
2723	2B	4319	IWB4319	BobWhite_c7274_333	99.9
2724	2B	4318	IWB4318	BobWhite_c7274_197	99.9
2725	2B	66206	IWB66206	Tdurum_contig10048_447	99.9
2726	2B	32211	IWB32211	GENE-1056_55	99.9
2727	2B	55153	IWB55153	RAC875_c21269_1225	99.9
2728	2B	72278	IWB72278	Tdurum_contig52627_726	99.9
2729	2B	66207	IWB66207	Tdurum_contig10048_61	99.9
2730	2B	429	IWB429	BobWhite_c12911_788	100.1
2731	2B	4585	IWB4585	BobWhite_c923_208	100.1
2732	2B	3073	IWB3073	BobWhite_c39769_102	100.1
2733	2B	428	IWB428	BobWhite_c12911_649	100.1
2734	2B	12842	IWB12842	CAP11_c3226_221	100.1
2735	2B	75860	IWA746	wsnp_CAP11_c3226_1588070	100.1
2736	2B	74780	IWB74780	tplb0043n06_1748	100.1
2737	2B	8157	IWB8157	BS00039187_51	100.1
2738	2B	74399	IWB74399	tplb0030f06_593	100.1
2739	2B	62759	IWB62759	RAC875_rep_c71149_1446	100.1
2740	2B	62498	IWB62498	RAC875_rep_c119322_54	100.1
2741	2B	58205	IWB58205	RAC875_c4602_445	100.1
2742	2B	56582	IWB56582	RAC875_c31214_58	100.1
2743	2B	55807	IWB55807	RAC875_c25513_403	100.1
2744	2B	54751	IWB54751	RAC875_c18928_455	100.1
2745	2B	32143	IWB32143	GENE-0918_159	100.1
2746	2B	11295	IWB11295	BS00083329_51	100.1
2747	2B	62757	IWB62757	RAC875_rep_c71149_1113	100.1
2748	2B	12724	IWB12724	CAP11_c1820_244	100.1
2749	2B	7106	IWB7106	BS00022478_51	100.1

2750	2B	7580	IWB7580	BS00025538_51	101.3
2751	2B	46858	IWB46858	Kukri_c60352_344	101.3
2752	2B	41694	IWB41694	Kukri_c17_967	101.3
2753	2B	48388	IWB48388	Kukri_c94792_127	101.3
2754	2B	54389	IWB54389	RAC875_c16993_196	101.3
2755	2B	1354	IWB1354	BobWhite_c20158_834	101.3
2756	2B	24905	IWB24905	Excalibur_c2993_457	101.3
2757	2B	69343	IWB69343	Tdurum_contig27848_179	101.3
2758	2B	53581	IWB53581	RAC875_c12741_101	101.3
2759	2B	66438	IWB66438	Tdurum_contig10295_374	101.3
2760	2B	36409	IWB36409	Jagger_c10188_98	101.3
2761	2B	79371	IWA5442	wsnp_Ex_rep_c67697_66363222	101.3
2762	2B	28735	IWB28735	Excalibur_c74925_338	108.8
2763	2B	8698	IWB8698	BS00056642_51	108.8
2764	2B	31468	IWB31468	Excalibur_rep_c99170_89	108.8
2765	2B	13375	IWB13375	CAP12_c3549_159	109.0
2766	2D	9640	IWB9640	BS00065823_51	0.0
2767	2D		barc124a		0.8
2768	2D		gwm210		2.8
2769	2D		Xrwgs46		4.2
2770	2D	44405	IWB44405	Kukri_c3507_158	4.2
2771	2D	19115	IWB19115	D_GDEEGVY02I0IOX_61	4.2
2772	2D		Xrwgs47		4.2
2773	2D	19123	IWB19123	D_GDEEGVY02IF3IH_412	4.2
2774	2D		Xrwgs49		4.2
2775	2D	15863	IWB15863	D_contig17313_245	4.2
2776	2D	18107	IWB18107	D_GB5Y7FA02HSMR1_278	4.2
2777	2D	15798	IWB15798	D_contig15948_318	4.5
2778	2D	32345	IWB32345	GENE-1273_438	4.5
2779	2D	32346	IWB32346	GENE-1273_59	4.5
2780	2D	17693	IWB17693	D_GA8KES401A6022_87	4.5
2781	2D	65062	IWB65062	RFL_Contig5625_912	4.8
2782	2D	42892	IWB42892	Kukri_c23961_636	4.8
2783	2D	27930	IWB27930	Excalibur_c60081_474	4.8
2784	2D	24437	IWB24437	Excalibur_c26388_776	4.8
2785	2D	25308	IWB25308	Excalibur_c33173_557	4.8
2786	2D	29454	IWB29454	Excalibur_c94336_103	4.8
2787	2D	29455	IWB29455	Excalibur_c94336_68	4.8
2788	2D	43851	IWB43851	Kukri_c30439_2407	4.8
2789	2D		barc95		6.5
2790	2D	8864	IWB8864	BS00062567_51	6.5
2791	2D		cf36		7.6
2792	2D		gwm455		9.9
2793	2D	11455	IWB11455	BS00086387_51	13.1
2794	2D	76594	IWA1854	wsnp_Ex_c1408_2704613	13.1
2795	2D		wmc25a		14.0
2796	2D		gwm261		15.7
2797	2D	18440	IWB18440	D_GBF1XID02GZJU7_294	15.9
2798	2D		wmc112		17.1
2799	2D	17749	IWB17749	D_GA8KES401CIV9Z_240	19.6
2800	2D	66133	IWB66133	TA015657-0632	20.4
2801	2D	7313	IWB7313	BS00022900_51	21.2
2802	2D	39128	IWB39128	Ku_c30824_149	21.2
2803	2D	4030	IWB4030	BobWhite_c59161_181	21.2

2804	2D	11986	IWB11986	BS00097126_51	21.2
2805	2D	18098	IWB18098	D_GB5Y7FA02HINSP_259	21.2
2806	2D	17603	IWB17603	D_F5XZDLF02FL9O3_63	21.2
2807	2D	11824	IWB11824	BS00093757_51	21.2
2808	2D	17274	IWB17274	D_contig95075_76	21.2
2809	2D	74411	IWB74411	tplb0030j08_1960	21.2
2810	2D	16431	IWB16431	D_contig29912_428	22.6
2811	2D	7001	IWB7001	BS00022276_51	22.6
2812	2D	27050	IWB27050	Excalibur_c49396_284	22.6
2813	2D	18745	IWB18745	D_GBUVHFX02JKG4A_54	23.4
2814	2D	26920	IWB26920	Excalibur_c48050_258	31.4
2815	2D	75654	IWA461	wsnp_BF428792D_Ta_1_3	35.5
2816	2D		cf43		37.1
2817	2D	10652	IWB10652	BS00073229_51	39.7
2818	2D	78609	IWA4496	wsnp_Ex_c6400_11123059	39.7
2819	2D	20902	IWB20902	Ex_c54373_394	39.7
2820	2D	39648	IWB39648	Ku_c57043_1232	39.7
2821	2D	49647	IWB49647	Kukri_rep_c114322_506	39.7
2822	2D	3556	IWB3556	BobWhite_c47086_539	40.2
2823	2D	77018	IWA2406	wsnp_Ex_c19364_28303089	40.5
2824	2D	62606	IWB62606	RAC875_rep_c69728_528	40.5
2825	2D		gwm102		41.3
2826	2D	32279	IWB32279	GENE-1172_825	42.7
2827	2D	37806	IWB37806	JD_c7554_234	42.7
2828	2D	9072	IWB9072	BS00063517_51	42.7
2829	2D	46874	IWB46874	Kukri_c60627_74	42.7
2830	2D	50095	IWB50095	Kukri_rep_c71152_906	43.2
2831	2D	56624	IWB56624	RAC875_c31560_141	44.1
2832	2D	34311	IWB34311	IAAV1002	44.1
2833	2D	50203	IWB50203	Kukri_rep_c72558_961	44.6
2834	2D	11078	IWB11078	BS00079440_51	47.2
2835	2D	10084	IWB10084	BS00067584_51	47.2
2836	2D	16756	IWB16756	D_contig38408_245	48.3
2837	2D	26673	IWB26673	Excalibur_c45516_323	49.5
2838	2D	6737	IWB6737	BS00021718_51	49.7
2839	2D	28708	IWB28708	Excalibur_c74304_438	50.0
2840	2D	17334	IWB17334	D_F1BEJMU02FXGZS_209	50.0
2841	2D	1095	IWB1095	BobWhite_c17783_72	51.4
2842	2D	27336	IWB27336	Excalibur_c5278_1075	51.4
2843	2D	28572	IWB28572	Excalibur_c7110_90	54.7
2844	2D	50180	IWB50180	Kukri_rep_c72254_186	56.1
2845	2D	45860	IWB45860	Kukri_c48285_218	57.5
2846	2D	81403	IWA8304	wsnp_RFL_Contig2179_1504740	60.3
2847	2D	65806	IWB65806	TA004261-0545	60.3
2848	2D	65480	IWB65480	TA001971-1035	60.3
2849	2D	19266	IWB19266	D_GDS7LZN01A0SB8_137	60.3
2850	2D	66042	IWB66042	TA006024-1567	61.4
2851	2D	17721	IWB17721	D_GA8KES401BCXP1_137	62.0
2852	2D	17019	IWB17019	D_contig66185_656	62.8
2853	2D	19068	IWB19068	D_GDEEGVY02G3V8E_62	64.8
2854	2D	17394	IWB17394	D_F5MV3MU01AO39J_375	65.1
2855	2D	18300	IWB18300	D_GBB4FNX02IBARI_88	65.1
2856	2D	17978	IWB17978	D_GB5Y7FA01BKQUB_129	65.1
2857	2D	52874	IWB52874	RAC875_c10004_677	65.6

2858	2D	16692	IWB16692	D_contig36649_324	65.6
2859	2D	16082	IWB16082	D_contig22169_419	65.6
2860	2D	34403	IWB34403	IAAV1553	65.9
2861	2D	15509	IWB15509	D_contig09221_35	67.0
2862	2D	63804	IWB63804	RFL_Contig2023_1387	67.0
2863	2D	17200	IWB17200	D_contig77675_71	67.2
2864	2D	66097	IWB66097	TA011647-0807	67.2
2865	2D	19020	IWB19020	D_GDEEGVY01DHB6B_126	68.4
2866	2D	57869	IWB57869	RAC875_c42714_775	71.3
2867	2D	15107	IWB15107	D_contig00087_156	72.7
2868	2D	78851	IWA4789	wsnp_Ex_c8303_14001708	73.8
2869	2D	58648	IWB58648	RAC875_c50427_176	73.8
2870	2D	16839	IWB16839	D_contig51538_130	80.9
2871	2D	484	IWB484	BobWhite_c13315_651	80.9
2872	2D	18804	IWB18804	D_GCE8AKX01C844Y_59	82.0
2873	2D	54962	IWB54962	RAC875_c20187_1313	82.6
2874	2D	5513	IWB5513	BobWhite_rep_c64934_62	86.1
2875	2D	65461	IWB65461	TA001826-1418	86.9
2876	2D	29432	IWB29432	Excalibur_c93588_271	93.2
2877	2D	3126	IWB3126	BobWhite_c40561_305	93.2
2878	2D	19132	IWB19132	D_GDEEGVY02J1W0B_74	93.2
2879	2D	29964	IWB29964	Excalibur_rep_c103649_61	94.3
2880	2D	40724	IWB40724	Kukri_c12032_508	95.7
2881	2D	60317	IWB60317	RAC875_c7201_229	96.8
2882	2D	56721	IWB56721	RAC875_c32340_462	98.4
2883	2D	75576	IWA345	wsnp_BE517946D-Ta_1_2	98.7
2884	2D	33200	IWB33200	GENE-3066_157	102.2
2885	2D	44088	IWB44088	Kukri_c32355_1089	103.6
2886	2D	39799	IWB39799	Ku_c674_915	103.6
2887	2D	75181	IWB75181	tplb0058k20_1741	103.8
2888	2D	15775	IWB15775	D_contig15273_311	103.8
2889	2D	48051	IWB48051	Kukri_c85862_95	104.1
2890	2D	30031	IWB30031	Excalibur_rep_c104465_155	105.2
2891	2D	13626	IWB13626	CAP12_rep_c5547_123	107.4
2892	2D	60568	IWB60568	RAC875_c79540_228	110.0
2893	2D	26538	IWB26538	Excalibur_c44325_339	110.0
2894	2D	37221	IWB37221	JD_c23444_59	113.5
2895	2D	26227	IWB26227	Excalibur_c41445_304	115.2
2896	2D	51195	IWB51195	Ra_c1597_2191	123.1
2897	2D	51194	IWB51194	Ra_c1597_2155	123.1
2898	2D	20882	IWB20882	Ex_c5327_1731	123.1
2899	2D	61260	IWB61260	RAC875_c9897_638	124.8
2900	2D	16677	IWB16677	D_contig36097_218	126.2
2901	2D	26982	IWB26982	Excalibur_c48759_67	126.2
2902	2D	17462	IWB17462	D_F5MV3MU01EJU6H_88	127.3
2903	2D	17456	IWB17456	D_F5MV3MU01EDEO3_100	127.3
2904	2D	12130	IWB12130	BS00100422_51	128.7
2905	2D	14644	IWB14644	CAP8_c2833_303	128.7
2906	2D	34359	IWB34359	IAAV1322	128.7
2907	2D	6623	IWB6623	BS00015680_51	128.7
2908	2D	30880	IWB30880	Excalibur_rep_c67599_242	128.7
2909	2D	30879	IWB30879	Excalibur_rep_c67599_2154	128.7
2910	2D	15870	IWB15870	D_contig17468_415	135.7
2911	2D	46283	IWB46283	Kukri_c5276_447	138.2

2912	2D	78750	IWA4666	wsnp_Ex_c7366_12631101	139.6
2913	2D	14819	IWB14819	CAP8_c5417_205	140.7
2914	2D	24116	IWB24116	Excalibur_c24213_314	140.7
2915	2D	11313	IWB11313	BS00083623_51	142.1
2916	2D	26855	IWB26855	Excalibur_c4726_1231	142.4
2917	2D	21646	IWB21646	Excalibur_c10461_520	142.4
2918	2D	41351	IWB41351	Kukri_c1526_616	142.4
2919	3A	13817	IWB13817	CAP7_c1467_220	0.0
2920	3A	54475	IWB54475	RAC875_c17453_896	3.6
2921	3A	26921	IWB26921	Excalibur_c48057_110	4.7
2922	3A	4617	IWB4617	BobWhite_c9511_388	5.0
2923	3A	17619	IWB17619	D_F5XZDLF02GN47Z_208	5.0
2924	3A	23206	IWB23206	Excalibur_c18826_452	5.6
2925	3A	60124	IWB60124	RAC875_c67770_822	5.6
2926	3A	8538	IWB8538	BS00049420_51	5.6
2927	3A	29214	IWB29214	Excalibur_c878_1249	6.1
2928	3A	7659	IWB7659	BS00027516_51	6.1
2929	3A	25527	IWB25527	Excalibur_c34889_526	6.1
2930	3A	8970	IWB8970	BS00062974_51	6.1
2931	3A	11852	IWB11852	BS00094057_51	6.1
2932	3A	67382	IWB67382	Tdurum_contig12008_1001	6.7
2933	3A	10785	IWB10785	BS00075119_51	6.7
2934	3A	10398	IWB10398	BS00069355_51	7.2
2935	3A	22161	IWB22161	Excalibur_c12875_1573	8.1
2936	3A	7136	IWB7136	BS00022524_51	8.1
2937	3A	27973	IWB27973	Excalibur_c60530_113	8.3
2938	3A	54698	IWB54698	RAC875_c18570_893	8.3
2939	3A	3127	IWB3127	BobWhite_c4057_320	9.2
2940	3A	63094	IWB63094	RAC875_rep_c77067_347	11.0
2941	3A	8658	IWB8658	BS00055211_51	11.3
2942	3A	8502	IWB8502	BS00048491_51	11.3
2943	3A	10638	IWB10638	BS00073062_51	11.3
2944	3A	12606	IWB12606	BS00110921_51	11.3
2945	3A	12967	IWB12967	CAP11_c570_73	11.3
2946	3A	11846	IWB11846	BS00093975_51	11.3
2947	3A	61740	IWB61740	RAC875_rep_c107888_617	11.3
2948	3A	3850	IWB3850	BobWhite_c5461_338	11.3
2949	3A	41375	IWB41375	Kukri_c15388_1205	11.3
2950	3A	60480	IWB60480	RAC875_c77648_367	11.3
2951	3A	60417	IWB60417	RAC875_c76367_523	11.3
2952	3A	8501	IWB8501	BS00048489_51	11.3
2953	3A	11377	IWB11377	BS00084661_51	11.3
2954	3A	77445	IWA2993	wsnp_Ex_c2573_4788116	11.3
2955	3A	5950	IWB5950	BS00004149_51	11.3
2956	3A	46311	IWB46311	Kukri_c53085_574	11.3
2957	3A	7261	IWB7261	BS00022798_51	11.3
2958	3A	38606	IWB38606	Ku_c17560_146	11.3
2959	3A	38607	IWB38607	Ku_c17560_162	11.3
2960	3A	38608	IWB38608	Ku_c17560_91	11.3
2961	3A	7003	IWB7003	BS00022279_51	11.3
2962	3A	11588	IWB11588	BS00088987_51	11.6
2963	3A	63999	IWB63999	RFL_Contig2582_455	11.6
2964	3A	24565	IWB24565	Excalibur_c27288_413	11.6
2965	3A	50684	IWB50684	Kukri_s117068_198	11.6

2966	3A	60530	IWB60530	RAC875_c787_395	11.6
2967	3A	54955	IWB54955	RAC875_c20134_535	11.6
2968	3A	50683	IWB50683	Kukri_s117068_130	11.6
2969	3A	44955	IWB44955	Kukri_c3982_192	11.6
2970	3A	5952	IWB5952	BS00004158_51	11.6
2971	3A	28726	IWB28726	Excalibur_c74666_291	11.6
2972	3A	21899	IWB21899	Excalibur_c11505_155	11.6
2973	3A	986	IWB986	BobWhite_c17021_297	11.6
2974	3A	77323	IWA2822	wsnp_Ex_c23633_32868822	11.6
2975	3A	77265	IWA2737	wsnp_Ex_c22683_31887736	11.6
2976	3A	81387	IWA8280	wsnp_RFL_Contig1999_1190396	11.6
2977	3A	77266	IWA2738	wsnp_Ex_c22683_31887799	11.6
2978	3A	12225	IWB12225	BS00104401_51	11.6
2979	3A	50548	IWB50548	Kukri_rep_c96809_352	11.6
2980	3A	48677	IWB48677	Kukri_rep_c101735_236	11.6
2981	3A	34333	IWB34333	IAAV1155	11.6
2982	3A	1704	IWB1704	BobWhite_c23392_496	11.6
2983	3A	30427	IWB30427	Excalibur_rep_c109599_89	11.6
2984	3A	11545	IWB11545	BS00088103_51	11.6
2985	3A	81560	IWA8587	wsnp_RFL_Contig4398_5146811	11.6
2986	3A	50434	IWB50434	Kukri_rep_c84820_251	11.6
2987	3A	21620	IWB21620	Excalibur_c10383_432	11.6
2988	3A	12170	IWB12170	BS00101363_51	11.6
2989	3A	29389	IWB29389	Excalibur_c92401_157	11.8
2990	3A	12993	IWB12993	CAP11_c6193_139	11.8
2991	3A	12994	IWB12994	CAP11_c6193_232	11.8
2992	3A	34921	IWB34921	IAAV4780	13.8
2993	3A	29131	IWB29131	Excalibur_c85173_190	14.4
2994	3A	52332	IWB52332	Ra_c6118_350	15.5
2995	3A	52333	IWB52333	Ra_c6118_450	15.5
2996	3A	65471	IWB65471	TA001885-0568	20.0
2997	3A	31307	IWB31307	Excalibur_rep_c80735_81	20.0
2998	3A	26668	IWB26668	Excalibur_c4548_2697	21.5
2999	3A	81273	IWA8105	wsnp_Ra_c9738_16173810	21.5
3000	3A	81274	IWA8106	wsnp_Ra_c9738_16174002	21.5
3001	3A	78185	IWA3939	wsnp_Ex_c4548_8166555	21.5
3002	3A	26667	IWB26667	Excalibur_c4548_2505	21.5
3003	3A	34361	IWB34361	IAAV1328	21.5
3004	3A	4588	IWB4588	BobWhite_c9249_564	22.3
3005	3A	23480	IWB23480	Excalibur_c20448_318	25.5
3006	3A	3644	IWB3644	BobWhite_c48246_303	25.8
3007	3A	7237	IWB7237	BS00022746_51	25.8
3008	3A	63761	IWB63761	RFL_Contig1896_1236	26.1
3009	3A	78432	IWA4257	wsnp_Ex_c55051_57706127	26.4
3010	3A	79053	IWA5050	wsnp_Ex_rep_c102110_87348288	26.4
3011	3A	29612	IWB29612	Excalibur_c98205_83	26.6
3012	3A	5723	IWB5723	BobWhite_s67516_159	27.2
3013	3A	8523	IWB8523	BS00049032_51	27.5
3014	3A	14561	IWB14561	CAP8_c1702_71	36.0
3015	3A	75974	IWA950	wsnp_CAP12_c2692_1286812	36.0
3016	3A	73771	IWB73771	Tdurum_contig91865_242	39.9
3017	3A	10063	IWB10063	BS00067499_51	41.2
3018	3A	66127	IWB66127	TA015264-0958	41.2
3019	3A	7165	IWB7165	BS00022586_51	41.2

3020	3A	11450	IWB11450	BS00086247_51	41.2
3021	3A	58235	IWB58235	RAC875_c46323_1996	41.2
3022	3A	78031	IWA3739	wsnp_Ex_c4094_7399975	42.7
3023	3A	466	IWB466	BobWhite_c13210_115	43.2
3024	3A	67571	IWB67571	Tdurum_contig12371_197	43.5
3025	3A	22751	IWB22751	Excalibur_c16197_748	43.5
3026	3A	28136	IWB28136	Excalibur_c6264_1054	43.7
3027	3A	73247	IWB73247	Tdurum_contig74920_757	43.7
3028	3A	72638	IWB72638	Tdurum_contig59358_392	43.7
3029	3A	285	IWB285	BobWhite_c11997_246	43.7
3030	3A	28137	IWB28137	Excalibur_c6264_249	43.7
3031	3A	50280	IWB50280	Kukri_rep_c73936_154	44.3
3032	3A	32370	IWB32370	GENE-1300_770	44.3
3033	3A	23249	IWB23249	Excalibur_c1905_1117	44.3
3034	3A	4649	IWB4649	BobWhite_c9704_273	44.3
3035	3A	40364	IWB40364	Kukri_c10511_94	44.3
3036	3A	15006	IWB15006	CAP8_rep_c3652_80	44.3
3037	3A	44601	IWB44601	Kukri_c3673_2442	44.3
3038	3A	34845	IWB34845	IAAV4190	44.3
3039	3A	37966	IWB37966	JG_c3077_225	44.3
3040	3A	1102	IWB1102	BobWhite_c17852_511	44.3
3041	3A	15056	IWB15056	CAP8_rep_c6382_237	44.3
3042	3A	77216	IWA2664	wsnp_Ex_c21950_31124594	44.3
3043	3A	29289	IWB29289	Excalibur_c9000_209	44.3
3044	3A	58107	IWB58107	RAC875_c45016_79	44.3
3045	3A	32591	IWB32591	GENE-1674_631	44.3
3046	3A	44372	IWB44372	Kukri_c34845_242	44.3
3047	3A	41142	IWB41142	Kukri_c14029_117	44.3
3048	3A	47000	IWB47000	Kukri_c62467_362	44.3
3049	3A	11867	IWB11867	BS00094366_51	44.6
3050	3A	196	IWB196	BobWhite_c11298_512	44.6
3051	3A	34591	IWB34591	IAAV2646	44.6
3052	3A	24102	IWB24102	Excalibur_c24123_165	44.6
3053	3A	21527	IWB21527	Excalibur_c10079_1585	44.6
3054	3A	6013	IWB6013	BS00007502_51	44.6
3055	3A	8055	IWB8055	BS00036492_51	44.6
3056	3A	63098	IWB63098	RAC875_rep_c77148_311	44.6
3057	3A	55686	IWB55686	RAC875_c2464_274	44.6
3058	3A	33874	IWB33874	GENE-4252_246	44.6
3059	3A	7895	IWB7895	BS00032524_51	44.6
3060	3A	9559	IWB9559	BS00065468_51	44.6
3061	3A	6719	IWB6719	BS00021694_51	44.6
3062	3A	73711	IWB73711	Tdurum_contig86206_149	44.8
3063	3A	73640	IWB73640	Tdurum_contig83561_227	47.4
3064	3A	31551	IWB31551	Excalibur_s113043_59	47.4
3065	3A	7130	IWB7130	BS00022516_51	47.4
3066	3A	78758	IWA4676	wsnp_Ex_c742_1458743	47.4
3067	3A	6837	IWB6837	BS00021981_51	47.4
3068	3A	80019	IWA6413	wsnp_Ku_c11052_18135847	47.4
3069	3A	36760	IWB36760	Jagger_c791_62	47.4
3070	3A	78757	IWA4675	wsnp_Ex_c742_1458033	47.4
3071	3A	35234	IWB35234	IAAV6676	47.4
3072	3A	61873	IWB61873	RAC875_rep_c109288_122	49.3
3073	3A	71477	IWB71477	Tdurum_contig44029_144	49.6

3074	3A	14696	IWB14696	CAP8_c359_95	49.6
3075	3A	71479	IWB71479	Tdurum_contig44029_621	49.6
3076	3A	63578	IWB63578	RFL_Contig1170_1827	49.6
3077	3A	71480	IWB71480	Tdurum_contig44029_66	49.6
3078	3A	13522	IWB13522	CAP12_c700_173	49.6
3079	3A	30975	IWB30975	Excalibur_rep_c68583_689	49.6
3080	3A	2330	IWB2330	BobWhite_c30009_285	49.6
3081	3A	65782	IWB65782	TA004095-0446	49.6
3082	3A	67277	IWB67277	Tdurum_contig11748_889	49.9
3083	3A	68183	IWB68183	Tdurum_contig14318_680	49.9
3084	3A	56476	IWB56476	RAC875_c30443_966	49.9
3085	3A	71252	IWB71252	Tdurum_contig42523_1988	49.9
3086	3A	35588	IWB35588	IAAV9068	49.9
3087	3A	66111	IWB66111	TA013323-0732	49.9
3088	3A	65703	IWB65703	TA003540-1083	49.9
3089	3A	65580	IWB65580	TA002607-0550	49.9
3090	3A	38093	IWB38093	Ku_c103671_362	49.9
3091	3A	10464	IWB10464	BS00070464_51	50.4
3092	3A	8477	IWB8477	BS00047836_51	50.4
3093	3A	70107	IWB70107	Tdurum_contig30790_154	51.0
3094	3A	71453	IWB71453	Tdurum_contig43850_675	51.0
3095	3A	71452	IWB71452	Tdurum_contig43850_140	51.0
3096	3A	66101	IWB66101	TA012401-0794	51.0
3097	3A	65939	IWB65939	TA005199-0585	52.1
3098	3A	11623	IWB11623	BS00089744_51	52.1
3099	3A	12051	IWB12051	BS00098840_51	52.1
3100	3A	46143	IWB46143	Kukri_c51247_322	52.1
3101	3A	7802	IWB7802	BS00030876_51	52.1
3102	3A	79918	IWA6236	wsnp_JD_c968_1427139	52.1
3103	3A	76563	IWA1812	wsnp_Ex_c13802_21639096	52.1
3104	3A	2769	IWB2769	BobWhite_c35303_192	52.1
3105	3A	76900	IWA2239	wsnp_Ex_c1763_3333974	52.1
3106	3A	29610	IWB29610	Excalibur_c9811_131	52.1
3107	3A	76724	IWA2019	wsnp_Ex_c1538_2937905	52.4
3108	3A	30707	IWB30707	Excalibur_rep_c116073_259	52.4
3109	3A	67595	IWB67595	Tdurum_contig12430_156	52.4
3110	3A	26160	IWB26160	Excalibur_c40694_473	52.6
3111	3A	78239	IWA4009	wsnp_Ex_c48136_53140385	52.9
3112	3A	34987	IWB34987	IAAV5207	52.9
3113	3A	68071	IWB68071	Tdurum_contig13734_1070	52.9
3114	3A	19997	IWB19997	Ex_c17586_108	52.9
3115	3A	27966	IWB27966	Excalibur_c60452_196	52.9
3116	3A	79335	IWA5399	wsnp_Ex_rep_c67460_66057400	52.9
3117	3A	11609	IWB11609	BS00089400_51	53.7
3118	3A	20642	IWB20642	Ex_c3994_1294	53.7
3119	3A	39272	IWB39272	Ku_c3602_226	53.7
3120	3A	2241	IWB2241	BobWhite_c28950_147	53.7
3121	3A	72601	IWB72601	Tdurum_contig57753_138	53.7
3122	3A	22700	IWB22700	Excalibur_c15848_960	53.7
3123	3A	55328	IWB55328	RAC875_c22333_504	53.7
3124	3A	67553	IWB67553	Tdurum_contig12319_165	53.7
3125	3A	72529	IWB72529	Tdurum_contig56748_632	53.7
3126	3A	9817	IWB9817	BS00066475_51	53.7
3127	3A	37891	IWB37891	JD_c9434_297	53.7

3128	3A	41095	IWB41095	Kukri_c13793_1152	53.7
3129	3A	77281	IWA2763	wsnp_Ex_c22888_32105519	53.7
3130	3A	21407	IWB21407	Ex_c8871_1318	53.7
3131	3A	4947	IWB4947	BobWhite_rep_c51301_1261	53.7
3132	3A	5126	IWB5126	BobWhite_rep_c55551_53	53.7
3133	3A	9886	IWB9886	BS00066800_51	53.7
3134	3A	14697	IWB14697	CAP8_c36_459	53.7
3135	3A	67857	IWB67857	Tdurum_contig13098_184	53.7
3136	3A	39273	IWB39273	Ku_c3602_325	53.7
3137	3A	73154	IWB73154	Tdurum_contig697_73	53.7
3138	3A	76765	IWA2069	wsnp_Ex_c15848_24235835	53.7
3139	3A	79496	IWA5616	wsnp_Ex_rep_c69567_68516173	53.7
3140	3A	39542	IWB39542	Ku_c50158_1323	53.7
3141	3A	76787	IWA2095	wsnp_Ex_c16079_24507688	53.7
3142	3A	72895	IWB72895	Tdurum_contig62502_90	53.7
3143	3A	79328	IWA5387	wsnp_Ex_rep_c67349_65914945	53.7
3144	3A	48393	IWB48393	Kukri_c94845_415	53.7
3145	3A	65628	IWB65628	TA002997-0276	53.7
3146	3A	8105	IWB8105	BS00037400_51	53.7
3147	3A	29336	IWB29336	Excalibur_c91154_175	54.3
3148	3A	8262	IWB8262	BS00041121_51	54.3
3149	3A	79018	IWA5006	wsnp_Ex_rep_c101340_86719239	54.3
3150	3A	2801	IWB2801	BobWhite_c35789_281	54.3
3151	3A	36921	IWB36921	JD_c1187_1398	54.3
3152	3A	79624	IWA5786	wsnp_JD_c1187_1731186	54.3
3153	3A	20753	IWB20753	Ex_c45438_377	54.3
3154	3A	77838	IWA3498	wsnp_Ex_c3478_6369892	54.3
3155	3A	29859	IWB29859	Excalibur_rep_c102727_407	54.3
3156	3A	35157	IWB35157	IAAV6152	54.3
3157	3A	79017	IWA5005	wsnp_Ex_rep_c101340_86719115	54.3
3158	3A	48979	IWB48979	Kukri_rep_c104383_1216	54.3
3159	3A	71668	IWB71668	Tdurum_contig46252_1395	54.3
3160	3A	38609	IWB38609	Ku_c17569_905	54.3
3161	3A	78947	IWA4913	wsnp_Ex_c943_1808577	54.6
3162	3A	49539	IWB49539	Kukri_rep_c112061_617	54.6
3163	3A	76248	IWA1422	wsnp_Ex_c11039_17902115	54.6
3164	3A	78946	IWA4912	wsnp_Ex_c943_1808232	54.6
3165	3A	2205	IWB2205	BobWhite_c28464_814	54.6
3166	3A	76647	IWA1922	wsnp_Ex_c14681_22747500	54.6
3167	3A	37650	IWB37650	JD_c5699_676	54.6
3168	3A	22237	IWB22237	Excalibur_c13242_1178	54.6
3169	3A	77564	IWA3156	wsnp_Ex_c28310_37444843	54.6
3170	3A	54860	IWB54860	RAC875_c19570_671	54.6
3171	3A	77416	IWA2956	wsnp_Ex_c2522_4708394	54.6
3172	3A	77869	IWA3535	wsnp_Ex_c3571_6530739	54.6
3173	3A	14495	IWB14495	CAP8_c1093_136	54.6
3174	3A	76838	IWA2156	wsnp_Ex_c16615_25147492	54.6
3175	3A	75706	IWA538	wsnp_BG263769A_Td_2_1	54.6
3176	3A	79497	IWA5617	wsnp_Ex_rep_c69577_68526990	54.6
3177	3A	81563	IWA8590	wsnp_RFL_Contig4404_5157920	54.6
3178	3A	49444	IWB49444	Kukri_rep_c110312_376	54.6
3179	3A	79621	IWA5782	wsnp_JD_c11273_11770307	54.6
3180	3A	79834	IWA6108	wsnp_JD_c5699_6859527	54.6
3181	3A	81388	IWA8283	wsnp_RFL_Contig2011_1216801	54.6

3182	3A	42984	IWB42984	Kukri_c2454_59	54.6
3183	3A	71028	IWB71028	Tdurum_contig42234_2052	54.8
3184	3A	38468	IWB38468	Ku_c1485_980	55.4
3185	3A	68422	IWB68422	Tdurum_contig15529_135	55.4
3186	3A	75704	IWA536	wsnp_BG263758A_Ta_1_1	55.4
3187	3A	76466	IWA1699	wsnp_Ex_c12850_20377830	56.5
3188	3A	76259	IWA1435	wsnp_Ex_c11085_17973016	57.3
3189	3A	53805	IWB53805	RAC875_c13895_763	57.3
3190	3A	75506	IWA249	wsnp_BE494474A_Ta_2_2	57.6
3191	3A	10508	IWB10508	BS00070870_51	58.2
3192	3A	63579	IWB63579	RFL_Contig1175_354	58.2
3193	3A	11966	IWB11966	BS00096642_51	58.2
3194	3A	27319	IWB27319	Excalibur_c52446_519	58.2
3195	3A	1175	IWB1175	BobWhite_c18408_199	58.2
3196	3A	2350	IWB2350	BobWhite_c30232_154	58.2
3197	3A	75421	IWA132	wsnp_BE443568A_Ta_2_1	58.2
3198	3A	8196	IWB8196	BS00039925_51	58.2
3199	3A	73647	IWB73647	Tdurum_contig83663_371	58.2
3200	3A	45790	IWB45790	Kukri_c47643_920	58.2
3201	3A	79111	IWA5124	wsnp_Ex_rep_c104884_89459472	58.2
3202	3A	75422	IWA133	wsnp_BE443568A_Ta_2_2	58.2
3203	3A	56927	IWB56927	RAC875_c3427_734	58.2
3204	3A	33677	IWB33677	GENE-3939_653	58.2
3205	3A	30072	IWB30072	Excalibur_rep_c104884_417	58.2
3206	3A	11773	IWB11773	BS00092735_51	58.2
3207	3A	72653	IWB72653	Tdurum_contig59531_914	58.2
3208	3A	75858	IWA743	wsnp_CAP11_c318_261649	58.2
3209	3A	10203	IWB10203	BS00067997_51	58.2
3210	3A	9012	IWB9012	BS00063163_51	58.2
3211	3A	7305	IWB7305	BS00022882_51	58.2
3212	3A	75497	IWA234	wsnp_BE490613A_Ta_2_1	58.2
3213	3A	66938	IWB66938	Tdurum_contig11121_739	59.3
3214	3A	66939	IWB66939	Tdurum_contig11121_834	59.3
3215	3A	76392	IWA1605	wsnp_Ex_c12269_19597415	59.6
3216	3A	80394	IWA6914	wsnp_Ku_c3286_6111360	59.6
3217	3A	80794	IWA7441	wsnp_Ku_rep_c68484_67500021	59.6
3218	3A	52157	IWB52157	Ra_c48730_581	59.6
3219	3A	10468	IWB10468	BS00070511_51	59.6
3220	3A	39592	IWB39592	Ku_c53625_627	59.6
3221	3A	7381	IWB7381	BS00023026_51	59.6
3222	3A	21475	IWB21475	Ex_c9685_1264	59.6
3223	3A	78055	IWA3771	wsnp_Ex_c41283_48140956	59.6
3224	3A	51985	IWB51985	Ra_c38505_544	59.6
3225	3A	80793	IWA7440	wsnp_Ku_rep_c68484_67499824	59.6
3226	3A	37155	IWB37155	JD_c2026_3994	59.6
3227	3A	63544	IWB63544	RFL_Contig1034_2351	59.6
3228	3A	80580	IWA7150	wsnp_Ku_c5243_9344536	59.6
3229	3A	39823	IWB39823	Ku_c68484_1276	59.6
3230	3A	61453	IWB61453	RAC875_rep_c105428_270	59.6
3231	3A	80884	IWA7564	wsnp_Ra_c11291_18338838	59.6
3232	3A	76694	IWA1982	wsnp_Ex_c15100_23284023	59.6
3233	3A	42389	IWB42389	Kukri_c20889_526	59.6
3234	3A	80387	IWA6907	wsnp_Ku_c32404_42016343	59.6
3235	3A	78962	IWA4930	wsnp_Ex_c9510_15761235	59.6

3236	3A	81181	IWA7970	wsnp_Ra_c4858_8709000	59.6
3237	3A	76315	IWA1507	wsnp_Ex_c1149_2206471	59.6
3238	3A	34362	IWB34362	IAAV1334	59.6
3239	3A	33344	IWB33344	GENE-3343_183	59.6
3240	3A	55513	IWB55513	RAC875_c23470_220	59.6
3241	3A	26905	IWB26905	Excalibur_c47907_517	59.6
3242	3A	19612	IWB19612	Ex_c104581_457	59.6
3243	3A	8115	IWB8115	BS00037537_51	59.6
3244	3A	6449	IWB6449	BS00011612_51	59.6
3245	3A	60602	IWB60602	RAC875_c8010_155	59.6
3246	3A	34552	IWB34552	IAAV242	59.6
3247	3A	11027	IWB11027	BS00078669_51	59.6
3248	3A	78056	IWA3772	wsnp_Ex_c41283_48141201	59.6
3249	3A	77392	IWA2925	wsnp_Ex_c24731_33983680	59.6
3250	3A	76391	IWA1604	wsnp_Ex_c12269_19597341	59.6
3251	3A	35184	IWB35184	IAAV6317	59.6
3252	3A	34172	IWB34172	GENE-4795_75	59.6
3253	3A	26728	IWB26728	Excalibur_c46082_440	59.6
3254	3A	6301	IWB6301	BS00010854_51	59.6
3255	3A	81120	IWA7891	wsnp_Ra_c35889_44345459	59.6
3256	3A	77919	IWA3600	wsnp_Ex_c37208_45002588	59.6
3257	3A	52004	IWB52004	Ra_c39556_524	59.6
3258	3A	12173	IWB12173	BS00101401_51	59.6
3259	3A	38447	IWB38447	Ku_c14313_1194	59.6
3260	3A	34963	IWB34963	IAAV5030	59.6
3261	3A	42049	IWB42049	Kukri_c18924_528	59.9
3262	3A	52500	IWB52500	Ra_c70087_485	59.9
3263	3A	12317	IWB12317	BS00107444_51	59.9
3264	3A	79250	IWA5286	wsnp_Ex_rep_c66685_65003625	59.9
3265	3A	80271	IWA6750	wsnp_Ku_c23901_33846711	60.2
3266	3A	28070	IWB28070	Excalibur_c61765_220	60.2
3267	3A	81110	IWA7877	wsnp_Ra_c34117_42876812	60.2
3268	3A	72822	IWB72822	Tdurum_contig61819_115	60.5
3269	3A	9177	IWB9177	BS00064039_51	60.5
3270	3A	35578	IWB35578	IAAV902	60.5
3271	3A	4133	IWB4133	BobWhite_c6300_169	61.1
3272	3A	67254	IWB67254	Tdurum_contig11714_304	62.2
3273	3A	8683	IWB8683	BS00056089_51	71.5
3274	3A	8830	IWB8830	BS00061173_51	72.6
3275	3A	5751	IWB5751	BS00000445_51	72.6
3276	3A	8831	IWB8831	BS00061179_51	72.6
3277	3A	78959	IWA4926	wsnp_Ex_c9483_15722127	72.6
3278	3A	11835	IWB11835	BS00093871_51	72.6
3279	3A	65332	IWB65332	TA001038-0975	72.6
3280	3A	5794	IWB5794	BS00001478_51	72.6
3281	3A	73345	IWB73345	Tdurum_contig76105_201	72.6
3282	3A	73344	IWB73344	Tdurum_contig76105_124	72.6
3283	3A	11155	IWB11155	BS00080879_51	72.9
3284	3A	60142	IWB60142	RAC875_c67998_96	73.7
3285	3A	44225	IWB44225	Kukri_c33640_640	74.0
3286	3A	32569	IWB32569	GENE-1634_405	74.0
3287	3A	65390	IWB65390	TA001383-0516	74.0
3288	3A	27980	IWB27980	Excalibur_c60581_62	74.0
3289	3A	10607	IWB10607	BS00072296_51	85.0

3290	3A	8806	IWB8806	BS00060391_51	85.0
3291	3A	76066	IWA1136	wsnp_CAP8_c1007_643393	86.4
3292	3A	73699	IWB73699	Tdurum_contig8584_354	89.1
3293	3A	73056	IWB73056	Tdurum_contig67196_285	89.1
3294	3A	71562	IWB71562	Tdurum_contig44880_134	89.1
3295	3A	71563	IWB71563	Tdurum_contig44880_314	89.1
3296	3A	71564	IWB71564	Tdurum_contig44880_420	89.1
3297	3A	71660	IWB71660	Tdurum_contig4598_249	89.3
3298	3A	71663	IWB71663	Tdurum_contig4598_638	89.3
3299	3A	58868	IWB58868	RAC875_c52805_182	89.3
3300	3A	35917	IWB35917	IACX333	89.3
3301	3A	67125	IWB67125	Tdurum_contig11473_847	89.3
3302	3A	71661	IWB71661	Tdurum_contig4598_259	89.3
3303	3A	35450	IWB35450	IAAV8218	90.2
3304	3A	7317	IWB7317	BS00022908_51	90.2
3305	3A	3798	IWB3798	BobWhite_c5337_225	93.4
3306	3A	33349	IWB33349	GENE-3346_506	93.4
3307	3A	8010	IWB8010	BS00035364_51	93.4
3308	3A	35125	IWB35125	IAAV5984	93.4
3309	3A	73101	IWB73101	Tdurum_contig68305_597	93.4
3310	3A	11581	IWB11581	BS00088756_51	93.4
3311	3A	73102	IWB73102	Tdurum_contig68305_703	93.4
3312	3A	33347	IWB33347	GENE-3346_167	93.4
3313	3A	72897	IWB72897	Tdurum_contig62557_263	93.4
3314	3A	11580	IWB11580	BS00088755_51	93.4
3315	3A	73103	IWB73103	Tdurum_contig68305_796	93.4
3316	3A	72394	IWB72394	Tdurum_contig54800_615	94.3
3317	3A	25443	IWB25443	Excalibur_c3429_652	95.1
3318	3A	8816	IWB8816	BS00060666_51	96.3
3319	3A	31324	IWB31324	Excalibur_rep_c82288_36	97.1
3320	3A	26085	IWB26085	Excalibur_c39833_567	97.1
3321	3A	12566	IWB12566	BS00110564_51	97.1
3322	3A	79025	IWA5015	wsnp_Ex_rep_c101457_86818160	97.1
3323	3A	77105	IWA2518	wsnp_Ex_c20250_29303152	97.1
3324	3A	80007	IWA6396	wsnp_Ku_c10468_17301216	101.3
3325	3A	7623	IWB7623	BS00026396_51	101.3
3326	3A	31321	IWB31321	Excalibur_rep_c82081_188	101.3
3327	3A	9995	IWB9995	BS00067228_51	101.9
3328	3A	39724	IWB39724	Ku_c6126_1140	102.2
3329	3A	24136	IWB24136	Excalibur_c24354_465	103.0
3330	3A	55268	IWB55268	RAC875_c21944_117	103.0
3331	3A	26070	IWB26070	Excalibur_c3969_1208	104.4
3332	3A	11287	IWB11287	BS00083089_51	104.4
3333	3A	26072	IWB26072	Excalibur_c3969_713	104.4
3334	3A	72058	IWB72058	Tdurum_contig50253_766	104.4
3335	3A	9626	IWB9626	BS00065734_51	104.4
3336	3A	32679	IWB32679	GENE-1833_70	105.3
3337	3A	73551	IWB73551	Tdurum_contig82189_87	105.5
3338	3A	32725	IWB32725	GENE-1918_152	105.5
3339	3A	33546	IWB33546	GENE-3665_61	113.1
3340	3A	366	IWB366	BobWhite_c12428_371	113.4
3341	3A	8288	IWB8288	BS00041742_51	113.4
3342	3A	75600	IWA391	wsnp_BE604885A_Ta_2_2	113.9
3343	3A	9606	IWB9606	BS00065673_51	113.9

3344	3A	6092	IWB6092	BS00009649_51	113.9
3345	3A	76202	IWA1367	wsnp_Ex_c10630_17338753	113.9
3346	3A	81060	IWA7812	wsnp_Ra_c27517_37034553	113.9
3347	3A	10961	IWB10961	BS00077819_51	113.9
3348	3A	7790	IWB7790	BS00030652_51	114.2
3349	3A	13994	IWB13994	CAP7_c3178_52	114.2
3350	3A	11837	IWB11837	BS00093889_51	114.2
3351	3A	6953	IWB6953	BS00022182_51	114.2
3352	3A	8509	IWB8509	BS00048633_51	116.9
3353	3A	61868	IWB61868	RAC875_rep_c109228_400	117.4
3354	3A	10817	IWB10817	BS00075598_51	117.4
3355	3A	34789	IWB34789	IAAV3851	118.9
3356	3A	39004	IWB39004	Ku_c26872_269	119.7
3357	3A	77888	IWA3559	wsnp_Ex_c361_707953	121.2
3358	3A	77889	IWA3560	wsnp_Ex_c361_708712	121.2
3359	3A	56227	IWB56227	RAC875_c28721_290	122.4
3360	3A	14312	IWB14312	CAP7_c915_121	124.2
3361	3B	51276	IWB51276	Ra_c17608_960	0.0
3362	3B	12141	IWB12141	BS00100706_51	0.8
3363	3B	1959	IWB1959	BobWhite_c260_197	0.8
3364	3B	53982	IWB53982	RAC875_c14696_980	1.1
3365	3B	66970	IWB66970	Tdurum_contig11192_373	1.7
3366	3B	66050	IWB66050	TA006079-0893	1.7
3367	3B	14318	IWB14318	CAP7_c9234_109	1.7
3368	3B	8756	IWB8756	BS00058861_51	1.7
3369	3B	80063	IWA6471	wsnp_Ku_c12698_20441325	1.7
3370	3B	62540	IWB62540	RAC875_rep_c69171_92	3.0
3371	3B	59693	IWB59693	RAC875_c62483_112	4.2
3372	3B	72136	IWB72136	Tdurum_contig50954_394	4.2
3373	3B	57554	IWB57554	RAC875_c39793_452	4.2
3374	3B	26097	IWB26097	Excalibur_c39985_68	4.2
3375	3B	72137	IWB72137	Tdurum_contig50954_475	4.2
3376	3B	72138	IWB72138	Tdurum_contig50954_880	4.2
3377	3B	34942	IWB34942	IAAV4876	4.2
3378	3B	44132	IWB44132	Kukri_c32803_150	4.2
3379	3B	34636	IWB34636	IAAV2929	20.7
3380	3B	56684	IWB56684	RAC875_c32005_247	20.7
3381	3B	41804	IWB41804	Kukri_c1771_715	20.7
3382	3B	65347	IWB65347	TA001137-1058	20.7
3383	3B	64431	IWB64431	RFL_Contig3626_521	20.7
3384	3B	62088	IWB62088	RAC875_rep_c111781_179	20.7
3385	3B	30660	IWB30660	Excalibur_rep_c114249_187	22.1
3386	3B	72133	IWB72133	Tdurum_contig50954_1095	22.1
3387	3B	6062	IWB6062	BS00009440_51	22.1
3388	3B	73423	IWB73423	Tdurum_contig77551_586	22.1
3389	3B	74350	IWB74350	tplb0028p23_852	22.1
3390	3B	74349	IWB74349	tplb0028p23_691	22.1
3391	3B	35950	IWB35950	IACX4260	22.1
3392	3B	3685	IWB3685	BobWhite_c4864_326	22.1
3393	3B	41709	IWB41709	Kukri_c17082_378	22.1
3394	3B	41710	IWB41710	Kukri_c17082_519	22.1
3395	3B	40900	IWB40900	Kukri_c12817_59	22.1
3396	3B	72135	IWB72135	Tdurum_contig50954_1393	22.1
3397	3B	72134	IWB72134	Tdurum_contig50954_1264	22.1

3398	3B	73424	IWB73424	Tdurum_contig77551_589	22.1
3399	3B	8755	IWB8755	BS00058860_51	25.6
3400	3B	70488	IWB70488	Tdurum_contig34149_219	26.7
3401	3B	79180	IWA5203	wsnp_Ex_rep_c66331_64503065	26.9
3402	3B	6491	IWB6491	BS00011904_51	26.9
3403	3B	57531	IWB57531	RAC875_c3956_275	26.9
3404	3B	5600	IWB5600	BobWhite_rep_c66215_299	27.2
3405	3B	2424	IWB2424	BobWhite_c3111_636	27.5
3406	3B	78860	IWA4800	wsnp_Ex_c8386_14127329	29.2
3407	3B	68173	IWB68173	Tdurum_contig14251_431	29.4
3408	3B	79358	IWA5426	wsnp_Ex_rep_c67625_66279491	29.4
3409	3B	12111	IWB12111	BS00100045_51	29.4
3410	3B	30730	IWB30730	Excalibur_rep_c66331_1967	29.4
3411	3B	78861	IWA4801	wsnp_Ex_c8386_14128029	29.7
3412	3B	12745	IWB12745	CAP11_c2057_200	29.7
3413	3B	29081	IWB29081	Excalibur_c8386_1009	29.7
3414	3B	6931	IWB6931	BS00022154_51	30.5
3415	3B	12639	IWB12639	BS00111294_51	30.5
3416	3B	67376	IWB67376	Tdurum_contig11988_459	30.5
3417	3B	12932	IWB12932	CAP11_c527_306	30.8
3418	3B	37219	IWB37219	JD_c23336_253	31.1
3419	3B	39567	IWB39567	Ku_c519_281	31.1
3420	3B	71460	IWB71460	Tdurum_contig43938_291	31.1
3421	3B	60533	IWB60533	RAC875_c787_671	31.1
3422	3B	18164	IWB18164	D_GBB4FNX01A83VL_408	31.1
3423	3B	46019	IWB46019	Kukri_c49752_254	31.1
3424	3B	62455	IWB62455	RAC875_rep_c118229_56	31.1
3425	3B	4653	IWB4653	BobWhite_c9711_71	31.3
3426	3B	58931	IWB58931	RAC875_c53353_78	31.3
3427	3B	73453	IWB73453	Tdurum_contig79629_538	31.6
3428	3B	73471	IWB73471	Tdurum_contig80344_144	31.6
3429	3B	74764	IWB74764	tplb0043c20_1046	31.6
3430	3B	13827	IWB13827	CAP7_c1576_371	31.6
3431	3B	32683	IWB32683	GENE-1851_76	31.6
3432	3B	28657	IWB28657	Excalibur_c7321_741	35.2
3433	3B	29378	IWB29378	Excalibur_c9206_836	37.8
3434	3B	77087	IWA2493	wsnp_Ex_c19993_29024127	37.8
3435	3B	35202	IWB35202	IAAV6442	37.8
3436	3B	30033	IWB30033	Excalibur_rep_c104498_194	37.8
3437	3B	31375	IWB31375	Excalibur_rep_c87664_233	37.8
3438	3B	39782	IWB39782	Ku_c663_1896	37.8
3439	3B	77649	IWA3260	wsnp_Ex_c3005_5548573	37.8
3440	3B	26991	IWB26991	Excalibur_c48841_1380	39.0
3441	3B	8774	IWB8774	BS00059385_51	39.0
3442	3B	52160	IWB52160	Ra_c488_923	39.0
3443	3B	20651	IWB20651	Ex_c4040_623	39.0
3444	3B	61221	IWB61221	RAC875_c9790_116	39.0
3445	3B	52159	IWB52159	Ra_c488_1335	39.0
3446	3B	21073	IWB21073	Ex_c66395_270	39.0
3447	3B	8751	IWB8751	BS00058753_51	39.0
3448	3B	36123	IWB36123	IACX6214	39.3
3449	3B	35843	IWB35843	IACX22	39.3
3450	3B	72944	IWB72944	Tdurum_contig63427_344	39.8
3451	3B	74007	IWB74007	Tdurum_contig97656_120	39.8

3452	3B	73014	IWB73014	Tdurum_contig6501_503	39.8
3453	3B	73013	IWB73013	Tdurum_contig6501_449	39.8
3454	3B	8426	IWB8426	BS00046375_51	40.1
3455	3B	68098	IWB68098	Tdurum_contig13898_648	40.1
3456	3B	60454	IWB60454	RAC875_c7724_1312	40.1
3457	3B	76738	IWA2037	wsnp_Ex_c1558_2976128	40.1
3458	3B	50786	IWB50786	Ra_c10565_1109	40.1
3459	3B	50787	IWB50787	Ra_c10565_1214	40.1
3460	3B	64404	IWB64404	RFL_Contig3591_1832	42.1
3461	3B	72675	IWB72675	Tdurum_contig59668_415	42.4
3462	3B	72015	IWB72015	Tdurum_contig49753_191	42.4
3463	3B	9189	IWB9189	BS00064077_51	42.4
3464	3B	73813	IWB73813	Tdurum_contig92781_536	42.4
3465	3B	10462	IWB10462	BS00070455_51	45.9
3466	3B	73558	IWB73558	Tdurum_contig82242_224	45.9
3467	3B	2169	IWB2169	BobWhite_c28090_175	46.4
3468	3B	34181	IWB34181	GENE-4824_212	46.4
3469	3B	39127	IWB39127	Ku_c30806_235	47.0
3470	3B	64362	IWB64362	RFL_Contig3455_629	50.5
3471	3B	66165	IWB66165	Tdurum_contig100212_141	50.5
3472	3B	64363	IWB64363	RFL_Contig3455_700	50.5
3473	3B	56030	IWB56030	RAC875_c27152_476	50.8
3474	3B	54838	IWB54838	RAC875_c19475_61	51.3
3475	3B	9883	IWB9883	BS00066797_51	51.6
3476	3B	9884	IWB9884	BS00066798_51	51.6
3477	3B	7019	IWB7019	BS00022315_51	51.6
3478	3B	11529	IWB11529	BS00087825_51	51.9
3479	3B	8689	IWB8689	BS00056258_51	51.9
3480	3B	28930	IWB28930	Excalibur_c79902_439	51.9
3481	3B	8688	IWB8688	BS00056257_51	51.9
3482	3B	10687	IWB10687	BS00073732_51	52.1
3483	3B	25620	IWB25620	Excalibur_c35645_587	55.4
3484	3B	36611	IWB36611	Jagger_c4901_95	56.0
3485	3B	26916	IWB26916	Excalibur_c48030_405	56.0
3486	3B	70232	IWB70232	Tdurum_contig31379_183	56.0
3487	3B	73992	IWB73992	Tdurum_contig97412_270	56.0
3488	3B	41649	IWB41649	Kukri_c16792_662	56.0
3489	3B	81493	IWA8460	wsnp_RFL_Contig3344_3442711	56.0
3490	3B	35458	IWB35458	IAAV8287	56.8
3491	3B	35437	IWB35437	IAAV8162	56.8
3492	3B	30710	IWB30710	Excalibur_rep_c116253_245	56.8
3493	3B	6626	IWB6626	BS00016407_51	56.8
3494	3B	30709	IWB30709	Excalibur_rep_c116253_175	56.8
3495	3B	5120	IWB5120	BobWhite_rep_c55395_200	56.8
3496	3B	34239	IWB34239	GENE-4918_402	57.0
3497	3B	80179	IWA6632	wsnp_Ku_c17659_26797674	57.9
3498	3B	3423	IWB3423	BobWhite_c4502_252	58.1
3499	3B	73082	IWB73082	Tdurum_contig67690_183	58.1
3500	3B	38850	IWB38850	Ku_c23207_988	60.7
3501	3B	75861	IWA747	wsnp_CAP11_c323_263628	60.7
3502	3B	49982	IWB49982	Kukri_rep_c70103_146	60.7
3503	3B	14564	IWB14564	CAP8_c1799_237	60.7
3504	3B	75862	IWA748	wsnp_CAP11_c323_263800	60.7
3505	3B	5902	IWB5902	BS00003822_51	61.5

3506	3B	79891	IWA6192	wsnp_JD_c828_1226159	63.0
3507	3B	32713	IWB32713	GENE-1900_115	63.0
3508	3B	52965	IWB52965	RAC875_c10246_839	63.0
3509	3B	24683	IWB24683	Excalibur_c2820_889	63.0
3510	3B	62555	IWB62555	RAC875_rep_c69316_1516	63.0
3511	3B	21926	IWB21926	Excalibur_c11594_246	63.0
3512	3B	33758	IWB33758	GENE-4064_715	63.0
3513	3B	11046	IWB11046	BS00079014_51	63.0
3514	3B	63252	IWB63252	RAC875_rep_c86950_103	63.0
3515	3B	24678	IWB24678	Excalibur_c2820_1626	63.0
3516	3B	28825	IWB28825	Excalibur_c7706_1936	63.0
3517	3B	245	IWB245	BobWhite_c11621_123	63.0
3518	3B	56124	IWB56124	RAC875_c2787_1260	63.0
3519	3B	23066	IWB23066	Excalibur_c1806_1251	63.0
3520	3B	65864	IWB65864	TA004649-0518	63.0
3521	3B	56125	IWB56125	RAC875_c2787_470	63.0
3522	3B	35832	IWB35832	IACX2048	63.0
3523	3B	27781	IWB27781	Excalibur_c58066_180	63.0
3524	3B	3459	IWB3459	BobWhite_c45376_417	65.3
3525	3B	34980	IWB34980	IAAV5166	71.0
3526	3B	14070	IWB14070	CAP7_c3916_256	71.0
3527	3B	37878	IWB37878	JD_c9193_412	71.0
3528	3B	79220	IWA5251	wsnp_Ex_rep_c66509_64776295	71.0
3529	3B	12042	IWB12042	BS00098496_51	71.0
3530	3B	8317	IWB8317	BS00042337_51	71.0
3531	3B	44271	IWB44271	Kukri_c34038_562	71.0
3532	3B	12003	IWB12003	BS00097481_51	71.0
3533	3B	75849	IWA729	wsnp_CAP11_c272_234769	71.0
3534	3B	79626	IWA5788	wsnp_JD_c119_190135	71.0
3535	3B	64490	IWB64490	RFL_Contig3799_987	71.0
3536	3B	79219	IWA5250	wsnp_Ex_rep_c66509_64775661	71.0
3537	3B	63500	IWB63500	RAC875_s119223_94	71.0
3538	3B	7733	IWB7733	BS00029548_51	71.0
3539	3B	79304	IWA5351	wsnp_Ex_rep_c67067_65534806	71.0
3540	3B	62875	IWB62875	RAC875_rep_c72470_124	71.0
3541	3B	41047	IWB41047	Kukri_c13537_2069	71.0
3542	3B	34941	IWB34941	IAAV4869	71.0
3543	3B	75481	IWA211	wsnp_BE489326B_Ta_2_2	71.0
3544	3B	10391	IWB10391	BS00069274_51	71.0
3545	3B	10723	IWB10723	BS00074287_51	71.0
3546	3B	36501	IWB36501	Jagger_c2707_152	71.0
3547	3B	36923	IWB36923	JD_c119_119	71.0
3548	3B	65427	IWB65427	TA001646-1356	71.0
3549	3B	79515	IWA5638	wsnp_Ex_rep_c69783_68742690	71.0
3550	3B	27477	IWB27477	Excalibur_c54388_193	71.0
3551	3B	75480	IWA210	wsnp_BE489326B_Ta_2_1	71.0
3552	3B	80229	IWA6698	wsnp_Ku_c210_413608	71.0
3553	3B	57216	IWB57216	RAC875_c36859_235	71.0
3554	3B	35317	IWB35317	IAAV7265	71.0
3555	3B	56769	IWB56769	RAC875_c32832_411	71.0
3556	3B	40893	IWB40893	Kukri_c128_103	71.0
3557	3B	56946	IWB56946	RAC875_c34454_334	71.0
3558	3B	79682	IWA5880	wsnp_JD_c17082_16025440	71.0
3559	3B	23195	IWB23195	Excalibur_c18785_447	71.0

3560	3B	61346	IWB61346	RAC875_rep_c102709_719	71.0
3561	3B	63250	IWB63250	RAC875_rep_c86918_170	71.0
3562	3B	53619	IWB53619	RAC875_c12934_650	71.0
3563	3B	75886	IWA781	wsnp_CAP11_c558_382875	71.0
3564	3B	29291	IWB29291	Excalibur_c9001_569	71.0
3565	3B	35608	IWB35608	IAAV958	71.0
3566	3B	55764	IWB55764	RAC875_c2525_266	71.0
3567	3B	4909	IWB4909	BobWhite_rep_c50835_441	71.0
3568	3B	32491	IWB32491	GENE-1460_304	71.0
3569	3B	44131	IWB44131	Kukri_c32802_706	71.0
3570	3B	55272	IWB55272	RAC875_c21955_719	71.0
3571	3B	66842	IWB66842	Tdurum_contig10958_356	71.0
3572	3B	45547	IWB45547	Kukri_c45609_882	71.0
3573	3B	55765	IWB55765	RAC875_c2525_894	71.0
3574	3B	27206	IWB27206	Excalibur_c51116_77	71.0
3575	3B	79644	IWA5813	wsnp_JD_c12451_12690261	71.0
3576	3B	42550	IWB42550	Kukri_c21759_1035	71.0
3577	3B	65362	IWB65362	TA001218-0519	71.0
3578	3B	54100	IWB54100	RAC875_c15509_436	71.0
3579	3B	55775	IWB55775	RAC875_c25305_754	71.0
3580	3B	79625	IWA5787	wsnp_JD_c119_190079	71.0
3581	3B	73922	IWB73922	Tdurum_contig94838_196	71.0
3582	3B	73051	IWB73051	Tdurum_contig6693_787	71.0
3583	3B	967	IWB967	BobWhite_c16847_343	71.5
3584	3B	968	IWB968	BobWhite_c16847_99	71.5
3585	3B	35464	IWB35464	IAAV8368	71.5
3586	3B	45079	IWB45079	Kukri_c40909_784	71.8
3587	3B	54463	IWB54463	RAC875_c17404_1160	72.1
3588	3B	28234	IWB28234	Excalibur_c63730_660	72.1
3589	3B	49980	IWB49980	Kukri_rep_c70097_286	72.1
3590	3B	1448	IWB1448	BobWhite_c20876_475	72.4
3591	3B	13654	IWB13654	CAP12_rep_c7901_114	72.4
3592	3B	72454	IWB72454	Tdurum_contig55486_333	72.6
3593	3B	72453	IWB72453	Tdurum_contig55486_176	72.6
3594	3B	8550	IWB8550	BS00049639_51	72.6
3595	3B	10591	IWB10591	BS00072151_51	72.6
3596	3B	41807	IWB41807	Kukri_c17718_145	72.6
3597	3B	36726	IWB36726	Jagger_c7188_67	73.2
3598	3B	53943	IWB53943	RAC875_c14529_815	73.2
3599	3B	77088	IWA2494	wsnp_Ex_c19994_29025586	73.2
3600	3B	5831	IWB5831	BS00003522_51	73.2
3601	3B	66740	IWB66740	Tdurum_contig10786_280	73.2
3602	3B	64939	IWB64939	RFL_Contig5246_1091	73.5
3603	3B	32652	IWB32652	GENE-1781_719	73.5
3604	3B	64191	IWB64191	RFL_Contig304_729	73.7
3605	3B	81502	IWA8480	wsnp_RFL_Contig3529_3696847	73.7
3606	3B	77452	IWA3000	wsnp_Ex_c2580_4800027	74.0
3607	3B	40103	IWB40103	Ku_c8631_308	74.0
3608	3B	80906	IWA7595	wsnp_Ra_c12935_20587578	74.0
3609	3B	80299	IWA6793	wsnp_Ku_c26257_36216869	74.0
3610	3B	76269	IWA1449	wsnp_Ex_c1116_2138756	74.0
3611	3B	236	IWB236	BobWhite_c11540_60	74.0
3612	3B	80300	IWA6794	wsnp_Ku_c26257_36216976	74.0
3613	3B	24866	IWB24866	Excalibur_c29625_222	74.5

3614	3B	24867	IWB24867	Excalibur_c29625_243	74.5
3615	3B	30529	IWB30529	Excalibur_rep_c111297_98	74.5
3616	3B	49991	IWB49991	Kukri_rep_c70198_1436	74.5
3617	3B	77752	IWA3383	wsnp_Ex_c3227_5948436	74.5
3618	3B	28828	IWB28828	Excalibur_c77101_90	74.5
3619	3B	79820	IWA6086	wsnp_JD_c5067_6187376	74.5
3620	3B	81130	IWA7905	wsnp_Ra_c38981_46788555	74.5
3621	3B	677	IWB677	BobWhite_c14606_452	74.5
3622	3B	22863	IWB22863	Excalibur_c16842_743	74.5
3623	3B	4228	IWB4228	BobWhite_c6740_481	74.5
3624	3B	35700	IWB35700	IACX11401	74.5
3625	3B	79685	IWA5886	wsnp_JD_c1816_2522844	74.5
3626	3B	63202	IWB63202	RAC875_rep_c83245_239	74.5
3627	3B	32748	IWB32748	GENE-1966_110	74.5
3628	3B	7782	IWB7782	BS00030534_51	74.5
3629	3B	62162	IWB62162	RAC875_rep_c112642_422	74.5
3630	3B	76960	IWA2329	wsnp_Ex_c18624_27492167	74.5
3631	3B	77451	IWA2999	wsnp_Ex_c2580_4799370	74.5
3632	3B	80213	IWA6677	wsnp_Ku_c19631_29148397	74.5
3633	3B	35272	IWB35272	IAAV6934	74.5
3634	3B	77453	IWA3001	wsnp_Ex_c2580_4800249	74.5
3635	3B	370	IWB370	BobWhite_c12457_433	74.5
3636	3B	41868	IWB41868	Kukri_c18009_398	74.5
3637	3B	729	IWB729	BobWhite_c1499_59	74.5
3638	3B	35074	IWB35074	IAAV5687	74.5
3639	3B	35331	IWB35331	IAAV738	74.5
3640	3B	45112	IWB45112	Kukri_c41191_703	74.5
3641	3B	77843	IWA3504	wsnp_Ex_c34975_43204180	74.5
3642	3B	7502	IWB7502	BS00023645_51	74.5
3643	3B	79903	IWA6213	wsnp_JD_c9042_9950637	74.5
3644	3B	66016	IWB66016	TA005793-0515	74.5
3645	3B	24522	IWB24522	Excalibur_c27055_1326	74.5
3646	3B	1028	IWB1028	BobWhite_c17332_325	74.5
3647	3B	72358	IWB72358	Tdurum_contig54463_316	74.5
3648	3B	63776	IWB63776	RFL_Contig1945_110	74.5
3649	3B	71036	IWB71036	Tdurum_contig42234_6222	74.5
3650	3B	29694	IWB29694	Excalibur_rep_c100805_157	74.5
3651	3B	25353	IWB25353	Excalibur_c33550_75	74.5
3652	3B	36387	IWB36387	IACX9430	74.5
3653	3B	26271	IWB26271	Excalibur_c41752_392	74.8
3654	3B	8716	IWB8716	BS00057451_51	74.8
3655	3B	281	IWB281	BobWhite_c1196_297	75.1
3656	3B	1846	IWB1846	BobWhite_c24718_225	75.4
3657	3B	34827	IWB34827	IAAV4105	75.4
3658	3B	49662	IWB49662	Kukri_rep_c114738_144	75.4
3659	3B	77615	IWA3218	wsnp_Ex_c2920_5385184	75.4
3660	3B	3471	IWB3471	BobWhite_c45623_215	75.4
3661	3B	54999	IWB54999	RAC875_c2044_170	75.4
3662	3B	54764	IWB54764	RAC875_c19030_112	75.4
3663	3B	3264	IWB3264	BobWhite_c42781_98	75.4
3664	3B	65116	IWB65116	RFL_Contig5758_757	75.4
3665	3B	73763	IWB73763	Tdurum_contig9132_102	75.4
3666	3B	22528	IWB22528	Excalibur_c14999_712	75.4
3667	3B	60623	IWB60623	RAC875_c8081_435	75.4

3668	3B	58223	IWB58223	RAC875_c46237_294	75.4
3669	3B	71417	IWB71417	Tdurum_contig43378_256	75.4
3670	3B	4085	IWB4085	BobWhite_c609_414	75.4
3671	3B	67789	IWB67789	Tdurum_contig12941_1413	75.4
3672	3B	75767	IWA611	wsnp_BQ159467B_Ta_2_2	75.4
3673	3B	52943	IWB52943	RAC875_c10203_2620	75.4
3674	3B	75705	IWA537	wsnp_BG263758B_Ta_2_1	75.4
3675	3B	7773	IWB7773	BS00030430_51	75.4
3676	3B	79651	IWA5826	wsnp_JD_c1316_1891903	75.4
3677	3B	75766	IWA610	wsnp_BQ159467B_Ta_2_1	75.4
3678	3B	39029	IWB39029	Ku_c27771_508	75.4
3679	3B	80863	IWA7534	wsnp_Ra_c10203_16850924	75.4
3680	3B	65622	IWB65622	TA002954-0682	75.4
3681	3B	65234	IWB65234	RFL_Contig622_1601	75.4
3682	3B	26723	IWB26723	Excalibur_c46052_695	75.4
3683	3B	18115	IWB18115	D_GB5Y7FA02I44NU_340	75.6
3684	3B	56763	IWB56763	RAC875_c32792_231	75.9
3685	3B	12064	IWB12064	BS00099364_51	76.5
3686	3B	66265	IWB66265	Tdurum_contig10107_580	76.5
3687	3B	32129	IWB32129	GENE-0875_57	76.7
3688	3B	4885	IWB4885	BobWhite_rep_c50457_813	77.0
3689	3B	9888	IWB9888	BS00066804_51	77.0
3690	3B	28145	IWB28145	Excalibur_c62737_51	77.0
3691	3B	57968	IWB57968	RAC875_c43717_528	77.0
3692	3B	5282	IWB5282	BobWhite_rep_c61884_158	77.0
3693	3B	6527	IWB6527	BS00012080_51	77.0
3694	3B	27586	IWB27586	Excalibur_c55621_291	77.0
3695	3B	32657	IWB32657	GENE-1787_339	77.0
3696	3B	52028	IWB52028	Ra_c4096_921	77.0
3697	3B	75950	IWA898	wsnp_CAP11_rep_c8708_3760250	77.0
3698	3B	32565	IWB32565	GENE-1624_193	77.0
3699	3B	58823	IWB58823	RAC875_c52345_1050	77.0
3700	3B	56431	IWB56431	RAC875_c30121_270	77.0
3701	3B	12062	IWB12062	BS00099331_51	77.0
3702	3B	32566	IWB32566	GENE-1624_198	77.0
3703	3B	8616	IWB8616	BS00052423_51	77.0
3704	3B	77336	IWA2841	wsnp_Ex_c238_460841	77.0
3705	3B	28144	IWB28144	Excalibur_c62737_131	77.0
3706	3B	36281	IWB36281	IACX8272	77.0
3707	3B	65080	IWB65080	RFL_Contig5682_86	77.0
3708	3B	12345	IWB12345	BS00108055_51	77.0
3709	3B	12510	IWB12510	BS00110292_51	77.0
3710	3B	11393	IWB11393	BS00084911_51	77.6
3711	3B	37751	IWB37751	JD_c6678_319	77.6
3712	3B	62795	IWB62795	RAC875_rep_c71561_619	77.6
3713	3B	76978	IWA2351	wsnp_Ex_c1878_3541204	77.6
3714	3B	41148	IWB41148	Kukri_c14072_188	77.6
3715	3B	60420	IWB60420	RAC875_c76448_253	77.6
3716	3B	7785	IWB7785	BS00030581_51	77.6
3717	3B	4038	IWB4038	BobWhite_c59494_113	77.6
3718	3B	59720	IWB59720	RAC875_c62872_293	77.6
3719	3B	10658	IWB10658	BS00073304_51	77.6
3720	3B	7784	IWB7784	BS00030580_51	77.6
3721	3B	50586	IWB50586	Kukri_rep_c99834_188	77.6

3722	3B	28034	IWB28034	Excalibur_c61285_135	77.6
3723	3B	3723	IWB3723	BobWhite_c5095_634	78.4
3724	3B	8522	IWB8522	BS00049008_51	78.4
3725	3B	35680	IWB35680	IACX11287	78.7
3726	3B	26579	IWB26579	Excalibur_c44713_137	79.2
3727	3B	27395	IWB27395	Excalibur_c53588_215	79.2
3728	3B	11633	IWB11633	BS00089956_51	79.2
3729	3B	35908	IWB35908	IACX3190	79.2
3730	3B	53293	IWB53293	RAC875_c11254_79	79.2
3731	3B	62238	IWB62238	RAC875_rep_c113906_294	79.2
3732	3B	41410	IWB41410	Kukri_c15603_1116	79.2
3733	3B	79956	IWA6297	wsnp_JD_rep_c63654_40605158	79.2
3734	3B	53292	IWB53292	RAC875_c11254_739	79.2
3735	3B	3526	IWB3526	BobWhite_c46650_260	79.2
3736	3B	11632	IWB11632	BS00089954_51	79.2
3737	3B	60906	IWB60906	RAC875_c87788_155	79.2
3738	3B	8347	IWB8347	BS00043664_51	79.2
3739	3B	11907	IWB11907	BS00094923_51	79.2
3740	3B	45306	IWB45306	Kukri_c4310_489	79.2
3741	3B	47760	IWB47760	Kukri_c783_1833	79.2
3742	3B	25775	IWB25775	Excalibur_c36999_270	79.5
3743	3B	11894	IWB11894	BS00094710_51	79.5
3744	3B	6915	IWB6915	BS00022122_51	79.5
3745	3B	65624	IWB65624	TA002966-0294	79.5
3746	3B	9814	IWB9814	BS00066466_51	79.5
3747	3B	48764	IWB48764	Kukri_rep_c102334_1871	79.5
3748	3B	80726	IWA7353	wsnp_Ku_c93664_84327484	79.8
3749	3B	80246	IWA6720	wsnp_Ku_c21818_31604716	80.0
3750	3B	42559	IWB42559	Kukri_c21818_519	80.0
3751	3B	6485	IWB6485	BS00011869_51	80.0
3752	3B	80488	IWA7035	wsnp_Ku_c4078_7436510	80.0
3753	3B	81335	IWA8196	wsnp_Ra_rep_c74606_72470419	80.3
3754	3B	80851	IWA7519	wsnp_Ku_rep_c73198_72796386	80.3
3755	3B	28943	IWB28943	Excalibur_c80041_400	80.6
3756	3B	32489	IWB32489	GENE-1455_114	80.6
3757	3B	27350	IWB27350	Excalibur_c5298_171	80.9
3758	3B	76727	IWA2022	wsnp_Ex_c15399_23662312	80.9
3759	3B	78009	IWA3710	wsnp_Ex_c40060_47197384	80.9
3760	3B	78010	IWA3711	wsnp_Ex_c40060_47197713	80.9
3761	3B	81532	IWA8531	wsnp_RFL_Contig3896_4291652	80.9
3762	3B	79699	IWA5902	wsnp_JD_c19725_17732526	80.9
3763	3B	40700	IWB40700	Kukri_c11910_445	80.9
3764	3B	1301	IWB1301	BobWhite_c19725_1329	80.9
3765	3B	453	IWB453	BobWhite_c13099_755	81.1
3766	3B	65004	IWB65004	RFL_Contig5418_347	81.4
3767	3B	48415	IWB48415	Kukri_c9571_73	81.7
3768	3B	21557	IWB21557	Excalibur_c1014_371	81.9
3769	3B	63703	IWB63703	RFL_Contig167_504	82.2
3770	3B	36679	IWB36679	Jagger_c6272_100	82.2
3771	3B	7902	IWB7902	BS00032694_51	82.2
3772	3B	27902	IWB27902	Excalibur_c5977_1409	82.2
3773	3B	7903	IWB7903	BS00032695_51	82.2
3774	3B	29033	IWB29033	Excalibur_c82403_135	82.2
3775	3B	27905	IWB27905	Excalibur_c5977_711	82.2

3776	3B	75500	IWA239	wsnp_BE490744B_Ta_2_2	82.2
3777	3B	65344	IWB65344	TA001128-1276	82.2
3778	3B	49738	IWB49738	Kukri_rep_c117846_427	82.2
3779	3B	28150	IWB28150	Excalibur_c62826_254	82.2
3780	3B	7901	IWB7901	BS00032692_51	82.2
3781	3B	27903	IWB27903	Excalibur_c5977_383	82.2
3782	3B	59708	IWB59708	RAC875_c62713_656	82.2
3783	3B	27904	IWB27904	Excalibur_c5977_440	82.2
3784	3B	22603	IWB22603	Excalibur_c15332_1194	82.5
3785	3B	54982	IWB54982	RAC875_c20275_1619	82.5
3786	3B	81523	IWA8520	wsnp_RFL_Contig383_4163148	83.0
3787	3B	65525	IWB65525	TA002266-1244	83.0
3788	3B	36652	IWB36652	Jagger_c5649_59	83.0
3789	3B	72934	IWB72934	Tdurum_contig63110_433	83.0
3790	3B	71967	IWB71967	Tdurum_contig49477_187	83.0
3791	3B	78795	IWA4721	wsnp_Ex_c7756_13218814	83.0
3792	3B	71876	IWB71876	Tdurum_contig48224_272	83.0
3793	3B	28184	IWB28184	Excalibur_c6325_949	83.0
3794	3B	6001	IWB6001	BS00005265_51	83.0
3795	3B	71969	IWB71969	Tdurum_contig49477_548	83.0
3796	3B	10328	IWB10328	BS00068494_51	83.0
3797	3B	60466	IWB60466	RAC875_c775_1135	83.3
3798	3B	79160	IWA5178	wsnp_Ex_rep_c110375_92775402	83.6
3799	3B	81392	IWA8290	wsnp_RFL_Contig2073_1317762	83.6
3800	3B	49602	IWB49602	Kukri_rep_c113146_128	83.6
3801	3B	80846	IWA7512	wsnp_Ku_rep_c72700_72370664	83.6
3802	3B	73084	IWB73084	Tdurum_contig67750_272	83.6
3803	3B	77686	IWA3305	wsnp_Ex_c3096_5709257	83.6
3804	3B	27739	IWB27739	Excalibur_c57658_54	83.6
3805	3B	77685	IWA3304	wsnp_Ex_c3096_5708642	83.6
3806	3B	76470	IWA1704	wsnp_Ex_c12887_20427158	83.6
3807	3B	77687	IWA3306	wsnp_Ex_c3096_5709369	83.6
3808	3B	14043	IWB14043	CAP7_c3667_77	83.6
3809	3B	69308	IWB69308	Tdurum_contig27495_111	83.8
3810	3B	32559	IWB32559	GENE-1617_188	84.1
3811	3B	32558	IWB32558	GENE-1617_131	84.1
3812	3B	36233	IWB36233	IACX7741	84.4
3813	3B	71476	IWB71476	Tdurum_contig44013_74	84.6
3814	3B	5515	IWB5515	BobWhite_rep_c64944_264	84.6
3815	3B	32668	IWB32668	GENE-1802_588	84.6
3816	3B	79568	IWA5710	wsnp_Ex_rep_c70809_69689636	84.6
3817	3B	47499	IWB47499	Kukri_c7087_896	84.6
3818	3B	71475	IWB71475	Tdurum_contig44013_164	84.6
3819	3B	77465	IWA3018	wsnp_Ex_c2609_4852360	84.6
3820	3B	11721	IWB11721	BS00091643_51	84.6
3821	3B	13369	IWB13369	CAP12_c3423_116	85.2
3822	3B	1014	IWB1014	BobWhite_c17191_297	85.5
3823	3B	53113	IWB53113	RAC875_c10595_473	85.5
3824	3B	44412	IWB44412	Kukri_c35105_294	85.5
3825	3B	63113	IWB63113	RAC875_rep_c77684_470	85.7
3826	3B	79863	IWA6158	wsnp_JD_c6974_8084752	85.7
3827	3B	58449	IWB58449	RAC875_c48556_278	85.7
3828	3B	8029	IWB8029	BS00035878_51	86.0
3829	3B	74291	IWB74291	tplb0026h15_986	86.0

3830	3B	71944	IWB71944	Tdurum_contig49052_223	86.0
3831	3B	72547	IWB72547	Tdurum_contig57086_66	86.0
3832	3B	72215	IWB72215	Tdurum_contig51903_680	86.0
3833	3B	71336	IWB71336	Tdurum_contig42711_1483	86.0
3834	3B	23665	IWB23665	Excalibur_c21604_247	86.0
3835	3B	58033	IWB58033	RAC875_c44290_511	86.6
3836	3B	9686	IWB9686	BS00065978_51	86.6
3837	3B	44885	IWB44885	Kukri_c39081_265	86.6
3838	3B	11998	IWB11998	BS00097383_51	86.6
3839	3B	75879	IWA773	wsnp_CAP11_c530_369045	86.6
3840	3B	80565	IWA7131	wsnp_Ku_c50833_56310020	87.1
3841	3B	79148	IWA5165	wsnp_Ex_rep_c108114_91468537	87.4
3842	3B	42741	IWB42741	Kukri_c2306_333	88.2
3843	3B	9451	IWB9451	BS00065107_51	89.3
3844	3B	57562	IWB57562	RAC875_c39926_313	89.3
3845	3B	11501	IWB11501	BS00087427_51	89.3
3846	3B	77099	IWA2510	wsnp_Ex_c20168_29214721	89.3
3847	3B	9408	IWB9408	BS00064940_51	89.3
3848	3B	76813	IWA2124	wsnp_Ex_c16378_24870688	89.6
3849	3B	77014	IWA2399	wsnp_Ex_c1934_3648048	89.6
3850	3B	54259	IWB54259	RAC875_c16281_167	89.6
3851	3B	54327	IWB54327	RAC875_c16628_500	89.8
3852	3B	76181	IWA1334	wsnp_Ex_c10499_17163260	90.1
3853	3B	76985	IWA2361	wsnp_Ex_c18926_27825028	90.1
3854	3B	68357	IWB68357	Tdurum_contig15150_2456	90.1
3855	3B	7020	IWB7020	BS00022316_51	90.1
3856	3B	81296	IWA8137	wsnp_Ra_rep_c108411_91697852	90.1
3857	3B	76179	IWA1332	wsnp_Ex_c10499_17162550	90.1
3858	3B	36290	IWB36290	IACX8336	90.4
3859	3B	55620	IWB55620	RAC875_c24267_258	90.4
3860	3B	55621	IWB55621	RAC875_c24267_775	90.4
3861	3B	80124	IWA6552	wsnp_Ku_c15149_23666345	90.4
3862	3B	76180	IWA1333	wsnp_Ex_c10499_17162700	90.4
3863	3B	23227	IWB23227	Excalibur_c18926_174	90.4
3864	3B	76875	IWA2204	wsnp_Ex_c17303_25979191	90.4
3865	3B	53106	IWB53106	RAC875_c1057_224	90.4
3866	3B	12186	IWB12186	BS00102326_51	90.4
3867	3B	77765	IWA3402	wsnp_Ex_c3257_6003626	90.4
3868	3B	76178	IWA1331	wsnp_Ex_c10499_17161734	90.4
3869	3B	58890	IWB58890	RAC875_c530_354	90.4
3870	3B	20034	IWB20034	Ex_c18926_626	90.4
3871	3B	81295	IWA8136	wsnp_Ra_rep_c108411_91697657	90.4
3872	3B	81104	IWA7870	wsnp_Ra_c3289_6166914	90.4
3873	3B	25163	IWB25163	Excalibur_c31960_1492	90.4
3874	3B	24338	IWB24338	Excalibur_c25567_225	90.4
3875	3B	77920	IWA3601	wsnp_Ex_c3722_6786328	90.4
3876	3B	12466	IWB12466	BS00110072_51	90.4
3877	3B	78969	IWA4942	wsnp_Ex_c9594_15882022	90.6
3878	3B	7145	IWB7145	BS00022540_51	90.6
3879	3B	77255	IWA2721	wsnp_Ex_c2250_4216508	90.6
3880	3B	65507	IWB65507	TA002179-0963	90.9
3881	3B	2290	IWB2290	BobWhite_c29647_243	91.2
3882	3B	7617	IWB7617	BS00026264_51	91.2
3883	3B	34730	IWB34730	IAAV3519	91.2

3884	3B	7838	IWB7838	BS00031402_51	91.2
3885	3B	69866	IWB69866	Tdurum_contig297_200	91.2
3886	3B	8515	IWB8515	BS00048754_51	91.2
3887	3B	77918	IWA3598	wsnp_Ex_c37115_44930934	91.2
3888	3B	38582	IWB38582	Ku_c172_840	91.2
3889	3B	11839	IWB11839	BS00093892_51	91.5
3890	3B	54174	IWB54174	RAC875_c15889_109	92.0
3891	3B	35427	IWB35427	IAAV8080	92.3
3892	3B	5637	IWB5637	BobWhite_rep_c66990_294	92.3
3893	3B	44729	IWB44729	Kukri_c37735_131	92.3
3894	3B	6077	IWB6077	BS00009549_51	92.3
3895	3B	8984	IWB8984	BS00063034_51	92.3
3896	3B	1827	IWB1827	BobWhite_c24457_126	92.3
3897	3B	53503	IWB53503	RAC875_c12200_57	92.3
3898	3B	41274	IWB41274	Kukri_c14832_407	92.3
3899	3B	9529	IWB9529	BS00065376_51	92.3
3900	3B	9522	IWB9522	BS00065348_51	92.3
3901	3B	38313	IWB38313	Ku_c12345_328	92.3
3902	3B	24193	IWB24193	Excalibur_c24617_131	92.3
3903	3B	4320	IWB4320	BobWhite_c7281_328	92.3
3904	3B	5635	IWB5635	BobWhite_rep_c66990_212	92.3
3905	3B	52107	IWB52107	Ra_c44591_213	92.3
3906	3B	55956	IWB55956	RAC875_c26639_367	92.3
3907	3B	26853	IWB26853	Excalibur_c47250_726	92.3
3908	3B	11298	IWB11298	BS00083391_51	92.3
3909	3B	20294	IWB20294	Ex_c25520_449	92.3
3910	3B	23085	IWB23085	Excalibur_c18172_2105	92.3
3911	3B	26778	IWB26778	Excalibur_c46437_169	92.3
3912	3B	29288	IWB29288	Excalibur_c8998_469	92.3
3913	3B	54326	IWB54326	RAC875_c16625_182	92.3
3914	3B	68	IWB68	BobWhite_c10476_790	92.3
3915	3B	75839	IWA714	wsnp_CAP11_c2309_1201554	92.3
3916	3B	79958	IWA6299	wsnp_JD_rep_c63810_40704815	92.3
3917	3B	79990	IWA6375	wsnp_Ku_c10196_16926860	92.3
3918	3B	1639	IWB1639	BobWhite_c22794_111	92.6
3919	3B	13058	IWB13058	CAP11_c797_273	92.6
3920	3B	25978	IWB25978	Excalibur_c38785_222	92.6
3921	3B	22644	IWB22644	Excalibur_c15516_1105	92.6
3922	3B	51751	IWB51751	Ra_c29672_532	92.6
3923	3B	80882	IWA7561	wsnp_Ra_c11243_18269800	92.6
3924	3B	3110	IWB3110	BobWhite_c40305_243	92.6
3925	3B	76690	IWA1974	wsnp_Ex_c15047_23217632	92.6
3926	3B	80118	IWA6542	wsnp_Ku_c14875_23320708	92.6
3927	3B	75414	IWA125	wsnp_BE443288B-Ta_2_1	92.6
3928	3B	51749	IWB51749	Ra_c29672_518	92.6
3929	3B	27888	IWB27888	Excalibur_c59479_514	92.6
3930	3B	76848	IWA2167	wsnp_Ex_c1676_3185400	92.6
3931	3B	55101	IWB55101	RAC875_c20973_109	92.6
3932	3B	54439	IWB54439	RAC875_c17269_541	92.6
3933	3B	33456	IWB33456	GENE-3543_165	92.6
3934	3B	49175	IWB49175	Kukri_rep_c106420_312	92.6
3935	3B	49708	IWB49708	Kukri_rep_c116233_130	92.6
3936	3B	76760	IWA2063	wsnp_Ex_c15795_24169367	92.6
3937	3B	76453	IWA1683	wsnp_Ex_c12781_20280572	92.6

3938	3B	54440	IWB54440	RAC875_c17269_645	92.6
3939	3B	79678	IWA5871	wsnp_JD_c16245_15468917	93.4
3940	3B	56230	IWB56230	RAC875_c2879_2784	93.4
3941	3B	50871	IWB50871	Ra_c109604_751	93.4
3942	3B	77976	IWA3669	wsnp_Ex_c39124_46489956	93.4
3943	3B	12192	IWB12192	BS00102641_51	93.7
3944	3B	6203	IWB6203	BS00010316_51	93.9
3945	3B	4750	IWB4750	BobWhite_rep_c49274_425	93.9
3946	3B	12008	IWB12008	BS00097541_51	93.9
3947	3B	35905	IWB35905	IACX3169	93.9
3948	3B	59283	IWB59283	RAC875_c5739_1262	93.9
3949	3B	14496	IWB14496	CAP8_c1113_199	93.9
3950	3B	32512	IWB32512	GENE-1511_622	93.9
3951	3B	51746	IWB51746	Ra_c2964_1897	93.9
3952	3B	51747	IWB51747	Ra_c2964_2254	93.9
3953	3B	38502	IWB38502	Ku_c1575_338	93.9
3954	3B	81506	IWA8490	wsnp_RFL_Contig3599_3786631	93.9
3955	3B	2271	IWB2271	BobWhite_c2937_1426	93.9
3956	3B	65497	IWB65497	TA002089-1495	93.9
3957	3B	6868	IWB6868	BS00022025_51	93.9
3958	3B	38503	IWB38503	Ku_c1575_485	93.9
3959	3B	13886	IWB13886	CAP7_c2116_545	93.9
3960	3B	23301	IWB23301	Excalibur_c19367_76	93.9
3961	3B	80965	IWA7679	wsnp_Ra_c18164_27178459	93.9
3962	3B	80966	IWA7680	wsnp_Ra_c18164_27178535	93.9
3963	3B	68888	IWB68888	Tdurum_contig20632_210	93.9
3964	3B	76498	IWA1733	wsnp_Ex_c13154_20785032	94.5
3965	3B	78610	IWA4497	wsnp_Ex_c64005_62986957	94.5
3966	3B	78611	IWA4499	wsnp_Ex_c64005_62987067	94.5
3967	3B	79280	IWA5324	wsnp_Ex_rep_c66893_65301351	94.5
3968	3B	34933	IWB34933	IAAV4835	94.5
3969	3B	62628	IWB62628	RAC875_rep_c69917_755	94.5
3970	3B	76497	IWA1732	wsnp_Ex_c13154_20784674	94.5
3971	3B	24723	IWB24723	Excalibur_c2850_126	94.7
3972	3B	31908	IWB31908	GENE-0477_338	94.7
3973	3B	62468	IWB62468	RAC875_rep_c118396_333	94.7
3974	3B	24537	IWB24537	Excalibur_c27120_789	94.7
3975	3B	62411	IWB62411	RAC875_rep_c117294_342	94.7
3976	3B	79420	IWA5510	wsnp_Ex_rep_c68193_66971396	94.7
3977	3B	9581	IWB9581	BS00065553_51	94.7
3978	3B	25571	IWB25571	Excalibur_c35203_334	97.0
3979	3B	60236	IWB60236	RAC875_c69_499	97.0
3980	3B	67684	IWB67684	Tdurum_contig12643_514	97.3
3981	3B	47171	IWB47171	Kukri_c64639_120	97.8
3982	3B	2844	IWB2844	BobWhite_c36548_98	97.8
3983	3B	9227	IWB9227	BS00064218_51	97.8
3984	3B	25321	IWB25321	Excalibur_c33274_498	97.8
3985	3B	67701	IWB67701	Tdurum_contig12682_421	97.8
3986	3B	67103	IWB67103	Tdurum_contig11443_978	97.8
3987	3B	57820	IWB57820	RAC875_c42186_335	97.8
3988	3B	52444	IWB52444	Ra_c69_1443	97.8
3989	3B	60234	IWB60234	RAC875_c69_1583	97.8
3990	3B	81236	IWA8054	wsnp_Ra_c69_149518	97.8
3991	3B	77709	IWA3330	wsnp_Ex_c3130_5789791	97.8

3992	3B	81235	IWA8053	wsnp_Ra_c69_149394	97.8
3993	3B	77711	IWA3332	wsnp_Ex_c3130_5790163	97.8
3994	3B	77710	IWA3331	wsnp_Ex_c3130_5789888	97.8
3995	3B	60237	IWB60237	RAC875_c69_717	97.8
3996	3B	51093	IWB51093	Ra_c14132_2575	97.8
3997	3B	60235	IWB60235	RAC875_c69_392	97.8
3998	3B	35001	IWB35001	IAAV5302	97.8
3999	3B	51094	IWB51094	Ra_c14132_2930	97.8
4000	3B	67102	IWB67102	Tdurum_contig11443_1022	97.8
4001	3B	51903	IWB51903	Ra_c35_3184	98.4
4002	3B	8244	IWB8244	BS00040742_51	98.9
4003	3B	45104	IWB45104	Kukri_c41129_344	100.4
4004	3B	38921	IWB38921	Ku_c24974_674	100.4
4005	3B	32805	IWB32805	GENE-2105_409	100.4
4006	3B	53593	IWB53593	RAC875_c12801_410	100.9
4007	3B	12530	IWB12530	BS00110416_51	100.9
4008	3B	72180	IWB72180	Tdurum_contig51386_128	100.9
4009	3B	2774	IWB2774	BobWhite_c35398_181	100.9
4010	3B	9005	IWB9005	BS00063105_51	100.9
4011	3B	70345	IWB70345	Tdurum_contig32277_121	100.9
4012	3B	11409	IWB11409	BS00085434_51	100.9
4013	3B	73555	IWB73555	Tdurum_contig82231_204	101.2
4014	3B	11997	IWB11997	BS00097374_51	101.2
4015	3B	71098	IWB71098	Tdurum_contig42366_944	101.2
4016	3B	71096	IWB71096	Tdurum_contig42366_818	101.2
4017	3B	71097	IWB71097	Tdurum_contig42366_893	101.2
4018	3B	59671	IWB59671	RAC875_c62223_86	101.2
4019	3B	31458	IWB31458	Excalibur_rep_c97324_623	102.0
4020	3B	23681	IWB23681	Excalibur_c21708_555	102.3
4021	3B	8730	IWB8730	BS00057988_51	102.8
4022	3B	71664	IWB71664	Tdurum_contig46030_580	104.0
4023	3B	9095	IWB9095	BS00063624_51	104.0
4024	3B	48982	IWB48982	Kukri_rep_c104399_156	104.8
4025	3B	58482	IWB58482	RAC875_c48868_558	104.8
4026	3B	7789	IWB7789	BS00030651_51	104.8
4027	3B	44099	IWB44099	Kukri_c3243_1065	105.1
4028	3B	2891	IWB2891	BobWhite_c3721_78	105.1
4029	3B	2890	IWB2890	BobWhite_c3721_224	105.1
4030	3B	81227	IWA8043	wsnp_Ra_c67016_65144188	105.1
4031	3B	72728	IWB72728	Tdurum_contig60330_126	105.1
4032	3B	44098	IWB44098	Kukri_c3243_1016	105.1
4033	3B	52781	IWB52781	Ra_c8960_147	105.1
4034	3B	10030	IWB10030	BS00067355_51	109.3
4035	3B	7609	IWB7609	BS00026064_51	114.9
4036	3B	7539	IWB7539	BS00024496_51	114.9
4037	3B	5646	IWB5646	BobWhite_rep_c67281_115	114.9
4038	3B	2509	IWB2509	BobWhite_c3200_1003	114.9
4039	3B	7540	IWB7540	BS00024499_51	114.9
4040	3B	53154	IWB53154	RAC875_c10710_87	114.9
4041	3B	61285	IWB61285	RAC875_c9930_191	114.9
4042	3B	80870	IWA7542	wsnp_Ra_c10710_17570054	114.9
4043	3B	77805	IWA3454	wsnp_Ex_c33879_42293206	117.0
4044	3B	63997	IWB63997	RFL_Contig2578_862	117.0
4045	3B	75889	IWA785	wsnp_CAP11_c59_99317	117.2

4046	3B	14720	IWB14720	CAP8_c42_161	117.2
4047	3B	8700	IWB8700	BS00056737_51	117.2
4048	3B	75890	IWA786	wsnp_CAP11_c59_99702	117.2
4049	3B	47870	IWB47870	Kukri_c8099_1522	117.2
4050	3B	42624	IWB42624	Kukri_c2227_583	117.2
4051	3B	75891	IWA787	wsnp_CAP11_c59_99769	117.2
4052	3B	48304	IWB48304	Kukri_c9256_1485	117.2
4053	3B	55721	IWB55721	RAC875_c24972_708	117.2
4054	3B	12975	IWB12975	CAP11_c59_418	117.2
4055	3B	66054	IWB66054	TA006103-0916	117.5
4056	3B	10390	IWB10390	BS00069273_51	117.8
4057	3B	9228	IWB9228	BS00064227_51	117.8
4058	3B	9115	IWB9115	BS00063711_51	121.4
4059	3B	32587	IWB32587	GENE-1662_108	121.7
4060	3B	3779	IWB3779	BobWhite_c5276_631	121.7
4061	3B	26933	IWB26933	Excalibur_c4821_1561	123.4
4062	3B	1543	IWB1543	BobWhite_c22016_155	123.4
4063	3B	25460	IWB25460	Excalibur_c34433_220	123.4
4064	3B	6624	IWB6624	BS00015891_51	123.4
4065	3B	68336	IWB68336	Tdurum_contig15050_103	123.4
4066	3B	14554	IWB14554	CAP8_c1657_183	129.5
4067	3B	73903	IWB73903	Tdurum_contig94100_214	129.5
4068	3B	24432	IWB24432	Excalibur_c26349_503	129.5
4069	3B	74075	IWB74075	Tdurum_contig99764_256	129.5
4070	3B	33033	IWB33033	GENE-2712_428	129.5
4071	3B	22558	IWB22558	Excalibur_c15095_852	129.5
4072	3B	73670	IWB73670	Tdurum_contig84676_145	129.5
4073	3B	69415	IWB69415	Tdurum_contig28053_218	129.5
4074	3B	10521	IWB10521	BS00071041_51	129.5
4075	3B	33031	IWB33031	GENE-2712_367	129.5
4076	3B	32925	IWB32925	GENE-2405_488	129.5
4077	3B	72293	IWB72293	Tdurum_contig52980_116	129.5
4078	3B	74074	IWB74074	Tdurum_contig99764_139	129.5
4079	3B	74076	IWB74076	Tdurum_contig99764_60	129.5
4080	3B	73988	IWB73988	Tdurum_contig9738_262	130.7
4081	3B	67339	IWB67339	Tdurum_contig11881_425	133.9
4082	3B	44195	IWB44195	Kukri_c33386_112	135.9
4083	3B	70167	IWB70167	Tdurum_contig31097_254	136.2
4084	3B	1858	IWB1858	BobWhite_c2486_239	136.5
4085	3B	53715	IWB53715	RAC875_c13406_65	136.5
4086	3B	57141	IWB57141	RAC875_c35955_210	136.5
4087	3B	42423	IWB42423	Kukri_c21041_263	136.5
4088	3B	53714	IWB53714	RAC875_c13406_329	136.5
4089	3B	71781	IWB71781	Tdurum_contig47292_302	136.8
4090	3B	29374	IWB29374	Excalibur_c91987_69	138.8
4091	3B	33965	IWB33965	GENE-4458_709	138.8
4092	3B	45212	IWB45212	Kukri_c42197_634	138.8
4093	3B	36533	IWB36533	Jagger_c3292_145	138.8
4094	3B	28240	IWB28240	Excalibur_c63859_285	138.8
4095	3B	44970	IWB44970	Kukri_c39915_386	138.8
4096	3B	44969	IWB44969	Kukri_c39915_340	138.8
4097	3B	8385	IWB8385	BS00044955_51	138.8
4098	3B	8382	IWB8382	BS00044942_51	138.8
4099	3B	53689	IWB53689	RAC875_c13256_1359	138.8

4100	3B	55994	IWB55994	RAC875_c26839_63	138.8
4101	3B	9386	IWB9386	BS00064875_51	138.8
4102	3B	10672	IWB10672	BS00073480_51	138.8
4103	3B	49297	IWB49297	Kukri_rep_c107896_90	138.8
4104	3B	8383	IWB8383	BS00044944_51	138.8
4105	3B	48859	IWB48859	Kukri_rep_c103205_101	138.8
4106	3B	45539	IWB45539	Kukri_c45513_83	138.8
4107	3B	27534	IWB27534	Excalibur_c55096_613	138.8
4108	3B	28241	IWB28241	Excalibur_c63859_401	138.8
4109	3B	67247	IWB67247	Tdurum_contig11705_400	138.8
4110	3B	75436	IWA150	wsnp_BE444579B_Ta_2_2	138.8
4111	3B	8949	IWB8949	BS00062914_51	139.4
4112	3B	53720	IWB53720	RAC875_c13425_393	139.7
4113	3B	59724	IWB59724	RAC875_c6293_237	139.7
4114	3B	10839	IWB10839	BS00075879_51	139.9
4115	3B	32732	IWB32732	GENE-1925_447	140.2
4116	3B	11049	IWB11049	BS00079029_51	140.2
4117	3B	43749	IWB43749	Kukri_c29615_377	140.5
4118	3B	6094	IWB6094	BS00009671_51	140.8
4119	3B	40708	IWB40708	Kukri_c11944_2358	140.8
4120	3B	5211	IWB5211	BobWhite_rep_c58425_117	140.8
4121	3B	4591	IWB4591	BobWhite_c9277_295	140.8
4122	3B	57331	IWB57331	RAC875_c37741_476	140.8
4123	3B	40707	IWB40707	Kukri_c11944_1316	140.8
4124	3B	58810	IWB58810	RAC875_c5222_245	140.8
4125	3B	76517	IWA1756	wsnp_Ex_c13284_20948460	140.8
4126	3B	57330	IWB57330	RAC875_c37741_218	140.8
4127	3B	11701	IWB11701	BS00091257_51	140.8
4128	3B	59372	IWB59372	RAC875_c58399_104	140.8
4129	3B	4890	IWB4890	BobWhite_rep_c50492_500	142.6
4130	3B	34409	IWB34409	IAAV1595	142.9
4131	3B	45892	IWB45892	Kukri_c48601_98	142.9
4132	3B	28522	IWB28522	Excalibur_c6906_2385	142.9
4133	3B	81341	IWA8203	wsnp_Ra_rep_c75740_73183118	142.9
4134	3B	35514	IWB35514	IAAV8659	142.9
4135	3B	11520	IWB11520	BS00087694_51	145.2
4136	3D	48159	IWB48159	Kukri_c8870_721	0.0
4137	3D	42836	IWB42836	Kukri_c23591_522	0.6
4138	3D	8818	IWB8818	BS00060773_51	2.3
4139	3D	64234	IWB64234	RFL_Contig3158_598	4.3
4140	3D	771	IWB771	BobWhite_c1527_257	4.3
4141	3D	42979	IWB42979	Kukri_c24488_1603	5.1
4142	3D	40813	IWB40813	Kukri_c12401_301	8.6
4143	3D	17932	IWB17932	D_GA8KES402JX54D_322	11.5
4144	3D	37161	IWB37161	JD_c20427_248	18.1
4145	3D	8376	IWB8376	BS00044751_51	25.2
4146	3D	14859	IWB14859	CAP8_c6336_351	25.2
4147	3D	66028	IWB66028	TA005883-0675	26.4
4148	3D	63958	IWB63958	RFL_Contig2471_119	26.4
4149	3D	32647	IWB32647	GENE-1771_89	26.9
4150	3D	32645	IWB32645	GENE-1771_525	26.9
4151	3D	14604	IWB14604	CAP8_c2305_193	27.2
4152	3D	17585	IWB17585	D_F5XZDLF01EIBB2_65	27.2
4153	3D	17109	IWB17109	D_contig72157_427	27.2

4154	3D	17224	IWB17224	D_contig79290_372	27.2
4155	3D	15625	IWB15625	D_contig11810_446	27.2
4156	3D	76064	IWA1123	wsnp_CAP7_rep_c5643_2537213	27.2
4157	3D	26102	IWB26102	Excalibur_c40068_522	27.2
4158	3D	59242	IWB59242	RAC875_c56975_112	27.2
4159	3D	9674	IWB9674	BS00065928_51	27.2
4160	3D	55687	IWB55687	RAC875_c24641_720	27.2
4161	3D	43595	IWB43595	Kukri_c28730_207	27.2
4162	3D	46404	IWB46404	Kukri_c5411_1312	27.2
4163	3D	1069	IWB1069	BobWhite_c17617_133	27.2
4164	3D	46263	IWB46263	Kukri_c5252_107	27.2
4165	3D	868	IWB868	BobWhite_c16071_165	27.2
4166	3D	3494	IWB3494	BobWhite_c4607_235	27.2
4167	3D	13411	IWB13411	CAP12_c470_361	27.2
4168	3D	53123	IWB53123	RAC875_c10628_1037	27.2
4169	3D	53124	IWB53124	RAC875_c10628_1079	27.2
4170	3D	15510	IWB15510	D_contig09222_937	27.2
4171	3D	17980	IWB17980	D_GB5Y7FA01BMVS5_180	27.2
4172	3D	48230	IWB48230	Kukri_c908_584	27.2
4173	3D	47841	IWB47841	Kukri_c80364_374	28.1
4174	3D	15864	IWB15864	D_contig17344_388	28.1
4175	3D	19197	IWB19197	D_GDRF1KQ02F7Y6F_336	28.1
4176	3D	76042	IWA1082	wsnp_CAP7_c3519_1643682	28.6
4177	3D	47033	IWB47033	Kukri_c62907_121	28.6
4178	3D	18689	IWB18689	D_GBUVHFX02G2BTK_399	42.7
4179	3D	44143	IWB44143	Kukri_c32857_1101	43.2
4180	3D	73071	IWB73071	Tdurum_contig67613_465	43.2
4181	3D	76936	IWA2293	wsnp_Ex_c18250_27065775	49.5
4182	3D	30686	IWB30686	Excalibur_rep_c114833_645	49.7
4183	3D	77091	IWA2498	wsnp_Ex_c20011_29041563	49.7
4184	3D	34616	IWB34616	IAAV2827	50.0
4185	3D	15880	IWB15880	D_contig17622_230	51.4
4186	3D	79598	IWA5750	wsnp_Ex_rep_c78526_74641162	51.4
4187	3D	38826	IWB38826	Ku_c22692_1021	51.4
4188	3D	78396	IWA4209	wsnp_Ex_c54003_57045475	51.4
4189	3D	79646	IWA5816	wsnp_JD_c12604_12812295	51.4
4190	3D	45847	IWB45847	Kukri_c48146_554	51.4
4191	3D	78737	IWA4647	wsnp_Ex_c7260_12463738	51.4
4192	3D	79910	IWA6225	wsnp_JD_c9392_10241235	51.4
4193	3D	45318	IWB45318	Kukri_c43208_335	51.4
4194	3D	81325	IWA8179	wsnp_Ra_rep_c71290_69343893	51.4
4195	3D	31419	IWB31419	Excalibur_rep_c93332_58	51.4
4196	3D	17892	IWB17892	D_GA8KES402HQTPI_166	51.7
4197	3D	1034	IWB1034	BobWhite_c17386_221	51.7
4198	3D	44015	IWB44015	Kukri_c31733_290	51.7
4199	3D	18579	IWB18579	D_GBUVHFX01BFAWD_100	54.7
4200	3D	52061	IWB52061	Ra_c4231_465	54.9
4201	3D	50128	IWB50128	Kukri_rep_c71523_81	56.1
4202	3D	34348	IWB34348	IAAV1270	58.7
4203	3D	24655	IWB24655	Excalibur_c27999_500	59.0
4204	3D	65514	IWB65514	TA002219-1181	61.9
4205	3D	44854	IWB44854	Kukri_c38868_427	62.4
4206	3D	55287	IWB55287	RAC875_c22054_1936	66.0
4207	3D	18741	IWB18741	D_GBUVHFX02JH8X4_174	66.8

4208	3D	37971	IWB37971	JG_c34_270	68.3
4209	3D	36343	IWB36343	IACX905	68.3
4210	3D	59326	IWB59326	RAC875_c57955_726	68.3
4211	3D	79035	IWA5030	wsnp_Ex_rep_c101732_87042471	68.3
4212	3D	16307	IWB16307	D_contig27028_52	68.3
4213	3D	60076	IWB60076	RAC875_c67198_129	68.3
4214	3D	17065	IWB17065	D_contig68985_131	68.3
4215	3D	49495	IWB49495	Kukri_rep_c111324_198	68.3
4216	3D	17435	IWB17435	D_F5MV3MU01D5Z65_148	68.3
4217	3D	63677	IWB63677	RFL_Contig1537_638	70.3
4218	3D	18874	IWB18874	D_GCE8AKX02GSCVR_40	71.7
4219	3D	30266	IWB30266	Excalibur_rep_c107481_157	75.2
4220	3D	50525	IWB50525	Kukri_rep_c94512_55	75.5
4221	3D	57558	IWB57558	RAC875_c39875_206	75.5
4222	3D	81576	IWA8610	wsnp_RFL_Contig463_5510887	75.8
4223	3D	19217	IWB19217	D_GDRF1KQ02GV96X_70	76.0
4224	3D	18414	IWB18414	D_GBF1XID01ELEX6_151	77.2
4225	3D	61291	IWB61291	RAC875_c99415_708	78.3
4226	3D	23678	IWB23678	Excalibur_c21708_291	82.2
4227	3D	17930	IWB17930	D_GA8KES402JVT1Y_74	82.2
4228	3D	32653	IWB32653	GENE-1785_118	82.2
4229	3D	9976	IWB9976	BS00067163_51	82.2
4230	3D	13317	IWB13317	CAP12_c2615_128	87.8
4231	3D	1418	IWB1418	BobWhite_c20641_267	96.3
4232	3D	3090	IWB3090	BobWhite_c40017_353	107.8
4233	3D	16791	IWB16791	D_contig39749_653	108.4
4234	3D	16202	IWB16202	D_contig24884_83	109.5
4235	3D	16687	IWB16687	D_contig36392_363	110.6
4236	3D	9019	IWB9019	BS00063214_51	110.6
4237	3D	36571	IWB36571	Jagger_c3839_60	111.7
4238	3D	18421	IWB18421	D_GBF1XID01ETBRB_172	113.4
4239	3D	42714	IWB42714	Kukri_c2289_635	114.0
4240	3D	6798	IWB6798	BS00021919_51	114.0
4241	3D	19457	IWB19457	D_GDS7LZN02IIERD_132	116.9
4242	3D	59163	IWB59163	RAC875_c5606_501	116.9
4243	3D	4163	IWB4163	BobWhite_c6420_284	117.2
4244	3D	16679	IWB16679	D_contig36160_443	117.7
4245	3D	45351	IWB45351	Kukri_c43464_89	118.0
4246	3D	56671	IWB56671	RAC875_c31922_138	118.0
4247	3D	17317	IWB17317	D_F1BEJMU01DVMII_118	118.0
4248	3D	15087	IWB15087	CAP8_rep_c9749_188	119.1
4249	3D	65988	IWB65988	TA005589-0861	119.1
4250	3D	41302	IWB41302	Kukri_c14943_753	119.1
4251	3D	37443	IWB37443	JD_c42309_341	119.1
4252	3D	35284	IWB35284	IAAV7013	119.1
4253	3D	15139	IWB15139	D_contig00455_358	119.1
4254	3D	10689	IWB10689	BS00073760_51	119.1
4255	3D	45229	IWB45229	Kukri_c4230_398	119.1
4256	3D	75234	IWB75234	tplb0060a09_1160	119.1
4257	3D	80287	IWA6777	wsnp_Ku_c25527_35493338	119.1
4258	3D	13582	IWB13582	CAP12_rep_c3953_177	119.1
4259	3D	23543	IWB23543	Excalibur_c20791_845	119.1
4260	3D	37812	IWB37812	JD_c7714_954	119.1
4261	3D	45698	IWB45698	Kukri_c46716_211	119.1

4262	3D	79197	IWA5223	wsnp_Ex_rep_c66380_64574083	119.1
4263	3D	50751	IWB50751	Ra_c10378_1677	119.1
4264	3D	18684	IWB18684	D_GBUVHFX02FQKHM_48	119.1
4265	3D	52592	IWB52592	Ra_c72650_1176	119.1
4266	3D	51827	IWB51827	Ra_c32057_95	119.1
4267	3D	52398	IWB52398	Ra_c6639_1170	119.1
4268	3D	7555	IWB7555	BS00024812_51	119.1
4269	3D	17449	IWB17449	D_F5MV3MU01DWT7N_151	119.1
4270	3D	16761	IWB16761	D_contig38515_309	119.1
4271	3D	23810	IWB23810	Excalibur_c22503_590	119.1
4272	3D	14020	IWB14020	CAP7_c3438_196	119.1
4273	3D	60735	IWB60735	RAC875_c83182_90	119.1
4274	3D	75437	IWA153	wsnp_BE444579D_Ta_2_3	119.1
4275	3D	6645	IWB6645	BS00017789_51	119.1
4276	3D	52402	IWB52402	Ra_c6639_542	119.1
4277	3D	63653	IWB63653	RFL_Contig148_359	119.1
4278	3D	55041	IWB55041	RAC875_c20675_268	119.1
4279	3D	26400	IWB26400	Excalibur_c4302_2208	119.1
4280	3D	52400	IWB52400	Ra_c6639_384	119.1
4281	3D	27218	IWB27218	Excalibur_c51312_218	119.1
4282	3D	35402	IWB35402	IAAV7897	119.1
4283	3D	81241	IWA8059	wsnp_Ra_c7174_12417331	119.1
4284	3D	76406	IWA1624	wsnp_Ex_c12424_19815550	119.1
4285	3D	5027	IWB5027	BobWhite_rep_c52911_146	119.1
4286	3D	15765	IWB15765	D_contig15178_246	119.1
4287	3D	7920	IWB7920	BS00033229_51	119.3
4288	3D	22998	IWB22998	Excalibur_c17654_351	119.6
4289	3D	5822	IWB5822	BS00003119_51	119.9
4290	3D	19001	IWB19001	D_GDEEGVY01CO81T_81	119.9
4291	3D	10438	IWB10438	BS00070060_51	119.9
4292	3D	28524	IWB28524	Excalibur_c6906_804	119.9
4293	3D	76481	IWA1715	wsnp_Ex_c12963_20529964	119.9
4294	3D	80667	IWA7274	wsnp_Ku_c7264_12545135	119.9
4295	3D	3769	IWB3769	BobWhite_c5246_196	119.9
4296	3D	23615	IWB23615	Excalibur_c21265_461	119.9
4297	3D	35051	IWB35051	IAAV5582	119.9
4298	3D	10989	IWB10989	BS00078098_51	120.2
4299	3D	12656	IWB12656	CAP11_c1051_121	120.2
4300	4A	37183	IWB37183	JD_c21248_511	0.0
4301	4A	10748	IWB10748	BS00074614_51	0.0
4302	4A	19265	IWB19265	D_GDRF1KQ02JZS7N_128	0.3
4303	4A	67708	IWB67708	Tdurum_contig12696_528	6.3
4304	4A	68749	IWB68749	Tdurum_contig1868_249	13.2
4305	4A	72445	IWB72445	Tdurum_contig55438_182	14.1
4306	4A	52625	IWB52625	Ra_c74035_586	18.0
4307	4A	40004	IWB40004	Ku_c7594_1179	18.0
4308	4A	72314	IWB72314	Tdurum_contig53373_192	18.0
4309	4A	21309	IWB21309	Ex_c7626_392	18.0
4310	4A	21310	IWB21310	Ex_c7626_444	18.0
4311	4A	21402	IWB21402	Ex_c883_2618	19.1
4312	4A	8056	IWB8056	BS00036493_51	19.4
4313	4A	56757	IWB56757	RAC875_c32657_295	25.3
4314	4A	39336	IWB39336	Ku_c3891_336	25.6
4315	4A	40011	IWB40011	Ku_c766_2284	25.6

4316	4A	40013	IWB40013	Ku_c766_36	25.6
4317	4A	56172	IWB56172	RAC875_c28178_889	25.6
4318	4A	40010	IWB40010	Ku_c766_1798	25.6
4319	4A	39337	IWB39337	Ku_c3891_395	25.6
4320	4A	80759	IWA7394	wsnp_Ku_rep_c102527_89481571	25.6
4321	4A	26155	IWB26155	Excalibur_c40618_182	26.1
4322	4A	6860	IWB6860	BS00022015_51	26.1
4323	4A	70443	IWB70443	Tdurum_contig33628_85	26.1
4324	4A	70442	IWB70442	Tdurum_contig33628_129	26.1
4325	4A	11606	IWB11606	BS00089283_51	26.1
4326	4A	67355	IWB67355	Tdurum_contig11919_360	26.1
4327	4A	76067	IWA1137	wsnp_CAP8_c1013_646748	26.4
4328	4A	40358	IWB40358	Kukri_c10501_313	26.4
4329	4A	6335	IWB6335	BS00011060_51	29.7
4330	4A	42619	IWB42619	Kukri_c22231_87	29.7
4331	4A	47589	IWB47589	Kukri_c74409_199	30.0
4332	4A	77117	IWA2533	wsnp_Ex_c20386_29451037	30.0
4333	4A	75759	IWA603	wsnp_BM138178A_Ta_2_1	31.4
4334	4A	60371	IWB60371	RAC875_c754_120	32.0
4335	4A	34759	IWB34759	IAAV3697	32.3
4336	4A	3922	IWB3922	BobWhite_c5633_59	32.3
4337	4A	5591	IWB5591	BobWhite_rep_c66057_98	32.3
4338	4A	79312	IWA5363	wsnp_Ex_rep_c67145_65628860	32.3
4339	4A	78478	IWA4320	wsnp_Ex_c5690_9994305	33.1
4340	4A	22239	IWB22239	Excalibur_c13276_1322	33.4
4341	4A	4316	IWB4316	BobWhite_c7260_197	33.4
4342	4A	4310	IWB4310	BobWhite_c7235_365	33.7
4343	4A	78596	IWA4479	wsnp_Ex_c6320_11003498	33.7
4344	4A	78435	IWA4260	wsnp_Ex_c55245_57821389	33.7
4345	4A	6362	IWB6362	BS00011173_51	33.7
4346	4A	76702	IWA1992	wsnp_Ex_c1520_2906995	33.9
4347	4A	78428	IWA4252	wsnp_Ex_c5487_9686018	33.9
4348	4A	32882	IWB32882	GENE-2331_126	34.5
4349	4A	77906	IWA3584	wsnp_Ex_c36701_44603531	35.1
4350	4A	45543	IWB45543	Kukri_c4559_278	35.1
4351	4A	80749	IWA7382	wsnp_Ku_rep_c101597_88729428	37.1
4352	4A	20649	IWB20649	Ex_c40210_281	37.1
4353	4A	45656	IWB45656	Kukri_c46421_168	37.4
4354	4A	65557	IWB65557	TA002470-0544	37.7
4355	4A	77539	IWA3119	wsnp_Ex_c27570_36762421	37.7
4356	4A	81424	IWA8342	wsnp_RFL_Contig2500_2084385	37.7
4357	4A	28071	IWB28071	Excalibur_c61788_536	37.7
4358	4A	75590	IWA371	wsnp_BE591195A_Ta_1_1	37.7
4359	4A	2521	IWB2521	BobWhite_c32217_147	37.7
4360	4A	52375	IWB52375	Ra_c64313_1337	38.0
4361	4A	81378	IWA8265	wsnp_RFL_Contig1883_1034534	38.3
4362	4A	20670	IWB20670	Ex_c41192_1307	38.3
4363	4A	48544	IWB48544	Kukri_c9931_1627	38.3
4364	4A	78049	IWA3763	wsnp_Ex_c41192_48071978	38.3
4365	4A	75957	IWA912	wsnp_CAP12_c124_70843	38.3
4366	4A	80198	IWA6659	wsnp_Ku_c18734_28082266	38.3
4367	4A	75864	IWA750	wsnp_CAP11_c3346_1639010	38.3
4368	4A	75257	IWB75257	tplb0060i01_819	38.3
4369	4A	79173	IWA5196	wsnp_Ex_rep_c66304_64468123	38.3

4370	4A	41008	IWB41008	Kukri_c13260_348	38.3
4371	4A	40264	IWB40264	Kukri_c10149_512	38.3
4372	4A	65063	IWB65063	RFL_Contig5626_821	38.3
4373	4A	21705	IWB21705	Excalibur_c10673_118	38.3
4374	4A	79564	IWA5705	wsnp_Ex_rep_c70681_69583486	38.3
4375	4A	14630	IWB14630	CAP8_c2552_103	38.3
4376	4A	79114	IWA5127	wsnp_Ex_rep_c105114_89631277	38.5
4377	4A	76686	IWA1969	wsnp_Ex_c15000_23158167	38.5
4378	4A	60281	IWB60281	RAC875_c7053_711	38.5
4379	4A	35511	IWB35511	IAAV8640	38.5
4380	4A	81397	IWA8296	wsnp_RFL_Contig2124_1400618	38.5
4381	4A	77689	IWA3308	wsnp_Ex_c30989_39836034	38.5
4382	4A	79404	IWA5490	wsnp_Ex_rep_c68052_66798492	38.5
4383	4A	13065	IWB13065	CAP11_c8388_194	38.5
4384	4A	80524	IWA7080	wsnp_Ku_c45402_52441010	38.5
4385	4A	59747	IWB59747	RAC875_c6312_156	38.5
4386	4A	32855	IWB32855	GENE-2264_72	38.5
4387	4A	33045	IWB33045	GENE-2730_171	38.5
4388	4A	74693	IWB74693	tplb0040n03_1154	38.5
4389	4A	79522	IWA5648	wsnp_Ex_rep_c69852_68811496	38.5
4390	4A	49921	IWB49921	Kukri_rep_c69658_148	38.5
4391	4A	28616	IWB28616	Excalibur_c7213_1169	38.5
4392	4A	77978	IWA3671	wsnp_Ex_c39168_46522625	38.5
4393	4A	80214	IWA6678	wsnp_Ku_c19762_29300876	38.5
4394	4A	77690	IWA3309	wsnp_Ex_c30989_39836304	38.5
4395	4A	60280	IWB60280	RAC875_c7053_2389	38.5
4396	4A	43496	IWB43496	Kukri_c27827_296	38.5
4397	4A	80391	IWA6911	wsnp_Ku_c32619_42216179	38.8
4398	4A	74892	IWB74892	tplb0047e04_1207	38.8
4399	4A	55642	IWB55642	RAC875_c24370_131	38.8
4400	4A	33395	IWB33395	GENE-3446_736	39.1
4401	4A	47482	IWB47482	Kukri_c6954_152	39.1
4402	4A	75383	IWA78	wsnp_BE423455A_Ta_1_2	39.1
4403	4A	35628	IWB35628	IACX1042	39.1
4404	4A	75384	IWA79	wsnp_BE423455A_Ta_1_3	39.1
4405	4A	63998	IWB63998	RFL_Contig2581_472	39.1
4406	4A	30780	IWB30780	Excalibur_rep_c66815_273	39.7
4407	4A	78108	IWA3845	wsnp_Ex_c4286_7734046	40.0
4408	4A	80534	IWA7092	wsnp_Ku_c46057_52907637	40.0
4409	4A	80567	IWA7133	wsnp_Ku_c50991_56423564	40.0
4410	4A	77294	IWA2781	wsnp_Ex_c23130_32358433	40.0
4411	4A	80117	IWA6540	wsnp_Ku_c14803_23225628	40.0
4412	4A	80663	IWA7270	wsnp_Ku_c7197_12439299	40.0
4413	4A	3065	IWB3065	BobWhite_c39599_82	40.0
4414	4A	54697	IWB54697	RAC875_c18564_222	40.0
4415	4A	80158	IWA6597	wsnp_Ku_c16481_25377573	40.0
4416	4A	76187	IWA1341	wsnp_Ex_c10527_17198865	40.0
4417	4A	77875	IWA3542	wsnp_Ex_c35839_43909849	40.0
4418	4A	80664	IWA7271	wsnp_Ku_c7197_12439730	40.0
4419	4A	80568	IWA7134	wsnp_Ku_c50991_56423610	40.0
4420	4A	32953	IWB32953	GENE-2491_309	40.0
4421	4A	45611	IWB45611	Kukri_c46057_646	40.0
4422	4A	76571	IWA1824	wsnp_Ex_c1387_2659020	40.0
4423	4A	77735	IWA3361	wsnp_Ex_c3178_5868813	40.0

4424	4A	81096	IWA7859	wsnp_Ra_c31915_40982091	40.0
4425	4A	34799	IWB34799	IAAV3906	40.0
4426	4A	77874	IWA3541	wsnp_Ex_c35839_43909163	40.0
4427	4A	77691	IWA3311	wsnp_Ex_c31006_39850673	40.2
4428	4A	61774	IWB61774	RAC875_rep_c108287_212	40.2
4429	4A	32815	IWB32815	GENE-2127_235	40.5
4430	4A	21033	IWB21033	Ex_c63544_226	40.5
4431	4A	45447	IWB45447	Kukri_c44469_1240	40.5
4432	4A	35538	IWB35538	IAAV8784	40.5
4433	4A	80418	IWA6944	wsnp_Ku_c34883_44172415	40.5
4434	4A	45848	IWB45848	Kukri_c48155_158	40.5
4435	4A	75539	IWA296	wsnp_BE497618A_Ta_1_1	40.5
4436	4A	56922	IWB56922	RAC875_c34232_184	40.5
4437	4A	77903	IWA3581	wsnp_Ex_c3666_6687275	40.5
4438	4A	78840	IWA4772	wsnp_Ex_c8131_13754852	40.5
4439	4A	79582	IWA5729	wsnp_Ex_rep_c71305_70087742	40.5
4440	4A	77904	IWA3582	wsnp_Ex_c3666_6687919	40.5
4441	4A	55905	IWB55905	RAC875_c26184_273	40.5
4442	4A	78839	IWA4771	wsnp_Ex_c8131_13753986	40.5
4443	4A	23251	IWB23251	Excalibur_c19065_589	40.5
4444	4A	37346	IWB37346	JD_c32759_313	40.5
4445	4A	20000	IWB20000	Ex_c17894_1159	40.5
4446	4A	79790	IWA6046	wsnp_JD_c4217_5322858	40.5
4447	4A	80854	IWA7522	wsnp_Ku_rep_c77171_75478137	40.5
4448	4A	77518	IWA3088	wsnp_Ex_c27088_36309449	40.5
4449	4A	70517	IWB70517	Tdurum_contig34920_104	40.5
4450	4A	74553	IWB74553	tplb0035b22_184	40.5
4451	4A	48148	IWB48148	Kukri_c88331_423	40.5
4452	4A	78703	IWA4608	wsnp_Ex_c7011_12080274	41.4
4453	4A	27970	IWB27970	Excalibur_c60487_908	42.0
4454	4A	31313	IWB31313	Excalibur_rep_c80895_95	42.0
4455	4A	40072	IWB40072	Ku_c8303_880	42.0
4456	4A	41129	IWB41129	Kukri_c13991_279	42.0
4457	4A	72073	IWB72073	Tdurum_contig50388_343	42.0
4458	4A	76036	IWA1074	wsnp_CAP7_c2931_1395666	42.0
4459	4A	47602	IWB47602	Kukri_c74651_223	42.0
4460	4A	26384	IWB26384	Excalibur_c4283_201	42.0
4461	4A	43370	IWB43370	Kukri_c27037_112	42.0
4462	4A	1356	IWB1356	BobWhite_c20163_456	42.0
4463	4A	25105	IWB25105	Excalibur_c31484_124	42.0
4464	4A	25147	IWB25147	Excalibur_c31814_298	42.0
4465	4A	74979	IWB74979	tplb0051b16_1324	42.0
4466	4A	79289	IWA5335	wsnp_Ex_rep_c66930_65358529	42.0
4467	4A	1119	IWB1119	BobWhite_c17999_112	42.0
4468	4A	80041	IWA6443	wsnp_Ku_c11945_19406789	42.0
4469	4A	56209	IWB56209	RAC875_c28616_154	42.0
4470	4A	79378	IWA5453	wsnp_Ex_rep_c67779_66463916	42.0
4471	4A	35371	IWB35371	IAAV7636	42.0
4472	4A	53229	IWB53229	RAC875_c110384_153	42.0
4473	4A	55257	IWB55257	RAC875_c21863_233	42.0
4474	4A	76149	IWA1295	wsnp_Ex_c10186_16720660	42.0
4475	4A	65188	IWB65188	RFL_Contig5998_745	42.0
4476	4A	81292	IWA8131	wsnp_Ra_rep_c107017_90667618	42.0
4477	4A	79553	IWA5687	wsnp_Ex_rep_c70327_69270561	42.0

4478	4A	80620	IWA7203	wsnp_Ku_c5979_10559245	42.0
4479	4A	31312	IWB31312	Excalibur_rep_c80895_284	42.0
4480	4A	25199	IWB25199	Excalibur_c32366_122	42.0
4481	4A	78537	IWA4395	wsnp_Ex_c5979_10480527	42.0
4482	4A	81108	IWA7875	wsnp_Ra_c33762_42584098	42.0
4483	4A	35170	IWB35170	IAAV6223	42.0
4484	4A	81510	IWA8495	wsnp_RFL_Contig3634_3841260	42.0
4485	4A	13450	IWB13450	CAP12_c5519_132	42.0
4486	4A	45853	IWB45853	Kukri_c48199_102	42.5
4487	4A	58231	IWB58231	RAC875_c4629_1344	43.1
4488	4A	79110	IWA5123	wsnp_Ex_rep_c104859_89444355	43.6
4489	4A	5380	IWB5380	BobWhite_rep_c63429_271	43.6
4490	4A	6945	IWB6945	BS00022174_51	43.6
4491	4A	76101	IWA1219	wsnp_CAP8_c954_618139	43.6
4492	4A	81423	IWA8341	wsnp_RFL_Contig25_2082245	43.6
4493	4A	6937	IWB6937	BS00022160_51	43.6
4494	4A	73430	IWB73430	Tdurum_contig77704_144	43.9
4495	4A	25985	IWB25985	Excalibur_c38910_490	43.9
4496	4A	63363	IWB63363	RAC875_rep_c97967_340	43.9
4497	4A	26362	IWB26362	Excalibur_c42602_119	43.9
4498	4A	79033	IWA5026	wsnp_Ex_rep_c101638_86971861	43.9
4499	4A	76743	IWA2044	wsnp_Ex_c1563_2986030	43.9
4500	4A	71275	IWB71275	Tdurum_contig42528_1379	43.9
4501	4A	73431	IWB73431	Tdurum_contig77704_289	43.9
4502	4A	30558	IWB30558	Excalibur_rep_c111789_1040	43.9
4503	4A	79255	IWA5291	wsnp_Ex_rep_c66706_65037564	43.9
4504	4A	71278	IWB71278	Tdurum_contig42528_767	43.9
4505	4A	485	IWB485	BobWhite_c13322_215	43.9
4506	4A	76880	IWA2211	wsnp_Ex_c17361_26054611	43.9
4507	4A	76744	IWA2045	wsnp_Ex_c1563_2987002	43.9
4508	4A	66958	IWB66958	Tdurum_contig11169_401	43.9
4509	4A	79236	IWA5269	wsnp_Ex_rep_c66600_64897324	43.9
4510	4A	25253	IWB25253	Excalibur_c32735_603	44.2
4511	4A	68644	IWB68644	Tdurum_contig17378_1113	44.2
4512	4A	76477	IWA1711	wsnp_Ex_c12933_20488438	44.2
4513	4A	78745	IWA4657	wsnp_Ex_c7335_12579818	44.2
4514	4A	78850	IWA4787	wsnp_Ex_c829_1621908	44.2
4515	4A	81382	IWA8269	wsnp_RFL_Contig1910_1074716	44.2
4516	4A	3123	IWB3123	BobWhite_c4048_247	44.2
4517	4A	3142	IWB3142	BobWhite_c4089_73	44.2
4518	4A	12955	IWB12955	CAP11_c5598_321	44.2
4519	4A	28352	IWB28352	Excalibur_c65185_665	44.2
4520	4A	20891	IWB20891	Ex_c53906_571	44.2
4521	4A	75668	IWA483	wsnp_BF474615A_Ta_1_4	44.2
4522	4A	48193	IWB48193	Kukri_c89772_150	44.2
4523	4A	6208	IWB6208	BS00010339_51	44.2
4524	4A	29546	IWB29546	Excalibur_c96303_224	44.2
4525	4A	75367	IWA53	wsnp_BE404977A_Ta_1_1	44.2
4526	4A	75729	IWA568	wsnp_BG604678A_Ta_1_2	44.2
4527	4A	56169	IWB56169	RAC875_c28145_553	44.2
4528	4A	78623	IWA4512	wsnp_Ex_c64593_63334637	44.2
4529	4A	75396	IWA101	wsnp_BE442666A_Ta_2_1	44.2
4530	4A	78391	IWA4201	wsnp_Ex_c53906_56983357	44.2
4531	4A	78847	IWA4784	wsnp_Ex_c829_1620518	44.2

4532	4A	20890	IWB20890	Ex_c53906_569	44.2
4533	4A	21367	IWB21367	Ex_c829_634	44.2
4534	4A	77353	IWA2864	wsnp_Ex_c2403_4502745	44.2
4535	4A	43750	IWB43750	Kukri_c29625_198	44.2
4536	4A	80720	IWA7346	wsnp_Ku_c9208_15488367	44.2
4537	4A	77971	IWA3664	wsnp_Ex_c39021_46412977	44.2
4538	4A	78849	IWA4786	wsnp_Ex_c829_1620740	44.2
4539	4A	3706	IWB3706	BobWhite_c4931_62	44.2
4540	4A	36471	IWB36471	Jagger_c2057_97	44.2
4541	4A	36333	IWB36333	IACX8919	44.2
4542	4A	18669	IWB18669	D_GBUVHFX01EZR9Q_294	44.2
4543	4A	3705	IWB3705	BobWhite_c4931_170	44.2
4544	4A	851	IWB851	BobWhite_c1593_539	44.2
4545	4A	78848	IWA4785	wsnp_Ex_c829_1620563	44.2
4546	4A	78566	IWA4431	wsnp_Ex_c6139_10739829	44.2
4547	4A	75667	IWA482	wsnp_BF474615A_Ta_1_1	44.2
4548	4A	43463	IWB43463	Kukri_c2760_804	44.2
4549	4A	14625	IWB14625	CAP8_c2527_228	44.2
4550	4A	34865	IWB34865	IAAV4351	45.6
4551	4A	80795	IWA7442	wsnp_Ku_rep_c68565_67614479	45.6
4552	4A	4910	IWB4910	BobWhite_rep_c50869_1676	45.6
4553	4A	78250	IWA4023	wsnp_Ex_c48449_53350799	45.6
4554	4A	6369	IWB6369	BS00011224_51	45.6
4555	4A	44533	IWB44533	Kukri_c36190_189	45.6
4556	4A	8287	IWB8287	BS00041735_51	45.6
4557	4A	43375	IWB43375	Kukri_c2706_1424	48.3
4558	4A	58408	IWB58408	RAC875_c48107_65	48.3
4559	4A	20842	IWB20842	Ex_c50812_358	48.5
4560	4A	4642	IWB4642	BobWhite_c9660_938	48.8
4561	4A	11778	IWB11778	BS00092859_51	49.1
4562	4A	1321	IWB1321	BobWhite_c19919_516	49.1
4563	4A	27809	IWB27809	Excalibur_c58393_329	49.1
4564	4A	5803	IWB5803	BS00002054_51	49.1
4565	4A	47730	IWB47730	Kukri_c7791_99	49.1
4566	4A	32858	IWB32858	GENE-2267_428	49.1
4567	4A	34445	IWB34445	IAAV1775	49.1
4568	4A	12329	IWB12329	BS00107766_51	49.1
4569	4A	28054	IWB28054	Excalibur_c6144_1873	49.1
4570	4A	61099	IWB61099	RAC875_c94519_448	49.1
4571	4A	1450	IWB1450	BobWhite_c20909_243	49.1
4572	4A	7386	IWB7386	BS00023031_51	49.1
4573	4A	12302	IWB12302	BS00107069_51	49.1
4574	4A	4821	IWB4821	BobWhite_rep_c49931_364	49.1
4575	4A	40107	IWB40107	Ku_c8733_458	49.1
4576	4A	12303	IWB12303	BS00107097_51	49.1
4577	4A	50854	IWB50854	Ra_c1082_1100	49.1
4578	4A	58650	IWB58650	RAC875_c50438_637	49.1
4579	4A	5911	IWB5911	BS00003866_51	49.1
4580	4A	43499	IWB43499	Kukri_c27874_515	51.1
4581	4A	79177	IWA5200	wsnp_Ex_rep_c66324_64493429	51.1
4582	4A	40846	IWB40846	Kukri_c12563_52	51.9
4583	4A	80506	IWA7058	wsnp_Ku_c4342_7887834	52.8
4584	4A	55175	IWB55175	RAC875_c21369_425	52.8
4585	4A	80257	IWA6733	wsnp_Ku_c2317_4448102	55.1

4586	4A	39801	IWB39801	Ku_c6779_1381	55.1
4587	4A	77003	IWA2383	wsnp_Ex_c19207_28125072	55.1
4588	4A	78420	IWA4243	wsnp_Ex_c5470_9657856	55.1
4589	4A	54572	IWB54572	RAC875_c17918_321	55.1
4590	4A	51551	IWB51551	Ra_c23848_305	55.1
4591	4A	54916	IWB54916	RAC875_c19919_724	55.1
4592	4A	39495	IWB39495	Ku_c46953_153	55.1
4593	4A	8103	IWB8103	BS00037357_51	55.1
4594	4A	51486	IWB51486	Ra_c22675_581	55.1
4595	4A	80386	IWA6906	wsnp_Ku_c3237_6024936	57.4
4596	4A	77381	IWA2904	wsnp_Ex_c24474_33721784	57.4
4597	4A	71273	IWB71273	Tdurum_contig42526_994	57.7
4598	4A	26773	IWB26773	Excalibur_c46394_762	58.0
4599	4A	74450	IWB74450	tplb0031m13_1902	58.0
4600	4A	30306	IWB30306	Excalibur_rep_c107908_308	58.0
4601	4A	72724	IWB72724	Tdurum_contig6030_377	58.0
4602	4A	72783	IWB72783	Tdurum_contig61343_177	58.0
4603	4A	24172	IWB24172	Excalibur_c24511_1196	58.0
4604	4A	74052	IWB74052	Tdurum_contig98808_554	58.3
4605	4A	2776	IWB2776	BobWhite_c35402_66	58.3
4606	4A	67993	IWB67993	Tdurum_contig13489_292	58.3
4607	4A	73994	IWB73994	Tdurum_contig97425_92	58.8
4608	4A	5865	IWB5865	BS00003674_51	58.8
4609	4A	80692	IWA7310	wsnp_Ku_c8059_13763683	58.8
4610	4A	35289	IWB35289	IAAV7104	58.8
4611	4A	10906	IWB10906	BS00076874_51	58.8
4612	4A	64452	IWB64452	RFL_Contig3679_315	58.8
4613	4A	9237	IWB9237	BS00064269_51	59.7
4614	4A	71854	IWB71854	Tdurum_contig47858_908	64.9
4615	4A	77587	IWA3188	wsnp_Ex_c28728_37832012	71.5
4616	4A	79137	IWA5152	wsnp_Ex_rep_c106527_90571247	71.5
4617	4A	75669	IWA485	wsnp_BF474862A_Ta_2_1	71.5
4618	4A	73262	IWB73262	Tdurum_contig75183_685	82.9
4619	4A	77502	IWA3068	wsnp_Ex_c26776_36003586	87.5
4620	4A	73881	IWB73881	Tdurum_contig93527_486	87.8
4621	4A	22609	IWB22609	Excalibur_c1534_572	88.1
4622	4A	60738	IWB60738	RAC875_c83401_115	88.9
4623	4A	66086	IWB66086	TA006348-0950	88.9
4624	4A	17614	IWB17614	D_F5XZDLF02G9H4M_286	88.9
4625	4A	46085	IWB46085	Kukri_c50675_126	91.0
4626	4A	53635	IWB53635	RAC875_c12996_2320	91.0
4627	4A	34374	IWB34374	IAAV1383	91.0
4628	4A	51216	IWB51216	Ra_c16330_1189	91.8
4629	4A	1080	IWB1080	BobWhite_c17731_247	91.8
4630	4A	41759	IWB41759	Kukri_c17417_134	91.8
4631	4A	1081	IWB1081	BobWhite_c17731_56	91.8
4632	4A	9263	IWB9263	BS00064369_51	91.8
4633	4A	6821	IWB6821	BS00021957_51	92.1
4634	4A	68606	IWB68606	Tdurum_contig17050_547	97.6
4635	4A	34807	IWB34807	IAAV3960	98.1
4636	4A	7898	IWB7898	BS00032622_51	100.1
4637	4A	60429	IWB60429	RAC875_c7670_219	100.7
4638	4A	25559	IWB25559	Excalibur_c35150_108	100.7
4639	4A	51337	IWB51337	Ra_c1897_2401	100.7

4640	4A	36257	IWB36257	IACX7905	100.7
4641	4A	45076	IWB45076	Kukri_c40856_320	100.7
4642	4A	28894	IWB28894	Excalibur_c7897_600	100.7
4643	4A	67551	IWB67551	Tdurum_contig12313_290	100.7
4644	4A	47812	IWB47812	Kukri_c79627_494	100.7
4645	4A	11041	IWB11041	BS00078953_51	100.7
4646	4A	8487	IWB8487	BS00048067_51	100.7
4647	4A	45852	IWB45852	Kukri_c48194_641	100.7
4648	4A	28848	IWB28848	Excalibur_c7753_51	100.9
4649	4A	9301	IWB9301	BS00064494_51	101.2
4650	4A	11380	IWB11380	BS00084703_51	101.5
4651	4A	61381	IWB61381	RAC875_rep_c104791_336	112.3
4652	4A	5798	IWB5798	BS00001921_51	112.3
4653	4A	73505	IWB73505	Tdurum_contig81450_90	112.3
4654	4A	80227	IWA6696	wsnp_Ku_c20949_30631810	112.3
4655	4A	59018	IWB59018	RAC875_c54248_724	112.3
4656	4A	6832	IWB6832	BS00021973_51	112.6
4657	4A	66663	IWB66663	Tdurum_contig10672_117	112.6
4658	4A	9431	IWB9431	BS00065030_51	114.9
4659	4A	5461	IWB5461	BobWhite_rep_c64377_653	114.9
4660	4A	70620	IWB70620	Tdurum_contig39549_245	115.1
4661	4A	62397	IWB62397	RAC875_rep_c117027_577	116.3
4662	4A	62395	IWB62395	RAC875_rep_c117027_137	116.3
4663	4A	72220	IWB72220	Tdurum_contig51959_1408	116.5
4664	4A	78740	IWA4651	wsnp_Ex_c7280_12498193	116.5
4665	4A	77800	IWA3449	wsnp_Ex_c33778_42210283	116.5
4666	4A	71539	IWB71539	Tdurum_contig44771_1001	117.6
4667	4A	30571	IWB30571	Excalibur_rep_c112003_621	117.6
4668	4A	66653	IWB66653	Tdurum_contig10654_375	117.6
4669	4A	69385	IWB69385	Tdurum_contig27944_266	117.6
4670	4A	19549	IWB19549	Ex_c101546_128	117.6
4671	4A	70736	IWB70736	Tdurum_contig42019_323	118.2
4672	4A	34365	IWB34365	IAAV136	119.5
4673	4A	66435	IWB66435	Tdurum_contig10289_1265	119.5
4674	4A	73590	IWB73590	Tdurum_contig82636_153	119.5
4675	4A	71145	IWB71145	Tdurum_contig42424_238	119.5
4676	4A	66436	IWB66436	Tdurum_contig10289_74	119.5
4677	4A	2634	IWB2634	BobWhite_c3351_329	119.8
4678	4A	68411	IWB68411	Tdurum_contig15425_84	119.8
4679	4A	63095	IWB63095	RAC875_rep_c77127_256	119.8
4680	4A	59773	IWB59773	RAC875_c63420_397	122.5
4681	4A	65772	IWB65772	TA004020-0357	122.5
4682	4A	71768	IWB71768	Tdurum_contig47143_241	122.8
4683	4A	34226	IWB34226	GENE-4895_66	122.8
4684	4A	34224	IWB34224	GENE-4895_249	122.8
4685	4A	71767	IWB71767	Tdurum_contig47143_161	122.8
4686	4A	1884	IWB1884	BobWhite_c25163_178	122.8
4687	4A	41538	IWB41538	Kukri_c1620_779	123.0
4688	4A	70194	IWB70194	Tdurum_contig31218_344	123.6
4689	4A	64422	IWB64422	RFL_Contig3621_1157	123.6
4690	4A	50440	IWB50440	Kukri_rep_c85536_598	123.6
4691	4A	70193	IWB70193	Tdurum_contig31218_279	123.6
4692	4A	73933	IWB73933	Tdurum_contig9530_69	123.6
4693	4A	68148	IWB68148	Tdurum_contig14123_802	123.6

4694	4B	80051	IWA6457	wsnp_Ku_c12399_20037334	0.0
4695	4B	33242	IWB33242	GENE-3126_21	0.3
4696	4B	60835	IWB60835	RAC875_c86104_111	0.3
4697	4B	71798	IWB71798	Tdurum_contig47429_501	0.6
4698	4B	8693	IWB8693	BS00056493_51	0.6
4699	4B	34708	IWB34708	IAAV3405	0.6
4700	4B	59971	IWB59971	RAC875_c65707_171	0.6
4701	4B	65491	IWB65491	TA002019-0994	0.6
4702	4B	67263	IWB67263	Tdurum_contig11733_825	0.6
4703	4B	8694	IWB8694	BS00056495_51	0.6
4704	4B	8207	IWB8207	BS00040127_51	0.6
4705	4B	6329	IWB6329	BS00011038_51	0.8
4706	4B	10565	IWB10565	BS00071658_51	0.8
4707	4B	77298	IWA2785	wsnp_Ex_c23152_32387271	0.8
4708	4B	35311	IWB35311	IAAV7221	0.8
4709	4B	6954	IWB6954	BS00022183_51	0.8
4710	4B	20192	IWB20192	Ex_c23152_662	0.8
4711	4B	77697	IWA3317	wsnp_Ex_c31121_39955117	0.8
4712	4B	9712	IWB9712	BS00066087_51	0.8
4713	4B	9271	IWB9271	BS00064403_51	2.0
4714	4B	11911	IWB11911	BS00095028_51	2.3
4715	4B	35326	IWB35326	IAAV7323	2.3
4716	4B	34327	IWB34327	IAAV1120	2.3
4717	4B	1847	IWB1847	BobWhite_c24745_419	2.3
4718	4B	22429	IWB22429	Excalibur_c14401_743	2.3
4719	4B	22425	IWB22425	Excalibur_c14401_404	2.3
4720	4B	8981	IWB8981	BS00063011_51	2.3
4721	4B	55304	IWB55304	RAC875_c22142_333	10.6
4722	4B	34788	IWB34788	IAAV3848	10.6
4723	4B	27569	IWB27569	Excalibur_c55463_232	10.6
4724	4B	48970	IWB48970	Kukri_rep_c104277_1326	10.6
4725	4B	3541	IWB3541	BobWhite_c46938_314	10.6
4726	4B	73905	IWB73905	Tdurum_contig94184_313	14.3
4727	4B	63894	IWB63894	RFL_Contig2277_1527	18.7
4728	4B	63893	IWB63893	RFL_Contig2277_1446	18.7
4729	4B	34257	IWB34257	GENE-4933_1085	22.9
4730	4B	34260	IWB34260	GENE-4933_489	22.9
4731	4B	31302	IWB31302	Excalibur_rep_c79414_306	22.9
4732	4B	73384	IWB73384	Tdurum_contig76559_124	22.9
4733	4B	28771	IWB28771	Excalibur_c7581_1266	22.9
4734	4B	34258	IWB34258	GENE-4933_1095	22.9
4735	4B	28772	IWB28772	Excalibur_c7581_791	22.9
4736	4B	36235	IWB36235	IACX7746	22.9
4737	4B	36317	IWB36317	IACX8647	22.9
4738	4B	6068	IWB6068	BS00009480_51	22.9
4739	4B	72103	IWB72103	Tdurum_contig50625_2342	22.9
4740	4B	6168	IWB6168	BS00010115_51	22.9
4741	4B	73354	IWB73354	Tdurum_contig76213_958	23.2
4742	4B	73353	IWB73353	Tdurum_contig76213_1156	23.2
4743	4B	2333	IWB2333	BobWhite_c30050_125	24.9
4744	4B	47849	IWB47849	Kukri_c80544_61	25.2
4745	4B	80693	IWA7311	wsnp_Ku_c8075_13785546	27.2
4746	4B	17908	IWB17908	D_GA8KES402IFV6C_200	33.0
4747	4B	72203	IWB72203	Tdurum_contig51688_681	35.7

4748	4B	55324	IWB55324	RAC875_c2226_933	35.7
4749	4B	44602	IWB44602	Kukri_c36744_353	38.0
4750	4B	56078	IWB56078	RAC875_c27536_611	38.0
4751	4B	71280	IWB71280	Tdurum_contig42528_884	38.0
4752	4B	71281	IWB71281	Tdurum_contig42528_936	38.0
4753	4B	73918	IWB73918	Tdurum_contig94674_195	38.0
4754	4B	75728	IWA566	wsnp_BG604493B_Ta_1_1	38.0
4755	4B	73919	IWB73919	Tdurum_contig94674_207	38.0
4756	4B	66138	IWB66138	Tdurum_contig100003_292	38.0
4757	4B	71276	IWB71276	Tdurum_contig42528_1416	38.0
4758	4B	14853	IWB14853	CAP8_c6159_113	38.0
4759	4B	65937	IWB65937	TA005178-0957	38.0
4760	4B	73563	IWB73563	Tdurum_contig82378_264	38.3
4761	4B	72949	IWB72949	Tdurum_contig63537_2050	38.3
4762	4B	11340	IWB11340	BS00084070_51	38.3
4763	4B	70187	IWB70187	Tdurum_contig31181_419	38.3
4764	4B	6839	IWB6839	BS00021984_51	38.3
4765	4B	7255	IWB7255	BS00022785_51	38.3
4766	4B	73564	IWB73564	Tdurum_contig82378_561	38.3
4767	4B	66679	IWB66679	Tdurum_contig10693_597	38.3
4768	4B	71024	IWB71024	Tdurum_contig42229_371	38.9
4769	4B	7934	IWB7934	BS00033614_51	39.1
4770	4B	73831	IWB73831	Tdurum_contig92931_787	39.1
4771	4B	73832	IWB73832	Tdurum_contig92931_882	39.1
4772	4B	12982	IWB12982	CAP11_c601_120	39.1
4773	4B	6877	IWB6877	BS00022047_51	39.1
4774	4B	71536	IWB71536	Tdurum_contig44718_835	39.1
4775	4B	11928	IWB11928	BS00095416_51	39.1
4776	4B	8985	IWB8985	BS00063035_51	40.9
4777	4B	72801	IWB72801	Tdurum_contig6153_192	40.9
4778	4B	71634	IWB71634	Tdurum_contig45706_1182	41.7
4779	4B	72936	IWB72936	Tdurum_contig63153_343	41.7
4780	4B	71836	IWB71836	Tdurum_contig47706_190	41.7
4781	4B	73589	IWB73589	Tdurum_contig82633_417	42.0
4782	4B	65619	IWB65619	TA002925-3757	42.0
4783	4B	36023	IWB36023	IACX5783	42.0
4784	4B	67456	IWB67456	Tdurum_contig12116_297	42.0
4785	4B	72796	IWB72796	Tdurum_contig61509_172	42.0
4786	4B	65419	IWB65419	TA001590-1389	42.0
4787	4B	68560	IWB68560	Tdurum_contig1664_212	42.0
4788	4B	72798	IWB72798	Tdurum_contig61509_538	42.0
4789	4B	81376	IWA8263	wsnp_RFL_Contig1847_1000121	42.0
4790	4B	71868	IWB71868	Tdurum_contig48090_374	42.0
4791	4B	71407	IWB71407	Tdurum_contig43279_1088	42.0
4792	4B	43651	IWB43651	Kukri_c2913_231	42.0
4793	4B	72612	IWB72612	Tdurum_contig58145_743	42.0
4794	4B	73392	IWB73392	Tdurum_contig76677_1142	42.0
4795	4B	73393	IWB73393	Tdurum_contig76677_265	42.0
4796	4B	6484	IWB6484	BS00011859_51	42.0
4797	4B	65933	IWB65933	TA005157-0574	42.0
4798	4B	6482	IWB6482	BS00011851_51	42.0
4799	4B	45246	IWB45246	Kukri_c42458_499	42.0
4800	4B	66324	IWB66324	Tdurum_contig10187_1271	42.0
4801	4B	75382	IWA76	wsnp_BE422566B_Ta_1_2	42.0

4802	4B	24705	IWB24705	Excalibur_c28382_336	42.0
4803	4B	72797	IWB72797	Tdurum_contig61509_349	42.0
4804	4B	33106	IWB33106	GENE-2900_115	42.0
4805	4B	65487	IWB65487	TA002011-0754	42.0
4806	4B	72795	IWB72795	Tdurum_contig61509_100	42.0
4807	4B	43360	IWB43360	Kukri_c26943_862	42.0
4808	4B	65479	IWB65479	TA001928-1401	42.0
4809	4B	23513	IWB23513	Excalibur_c2056_130	42.0
4810	4B	75381	IWA75	wsnp_BE422566B_Ta_1_1	42.0
4811	4B	7822	IWB7822	BS00031139_51	42.3
4812	4B	71740	IWB71740	Tdurum_contig46987_314	42.3
4813	4B	11391	IWB11391	BS00084904_51	42.3
4814	4B	6061	IWB6061	BS00009439_51	42.3
4815	4B	71676	IWB71676	Tdurum_contig46368_742	42.3
4816	4B	66164	IWB66164	Tdurum_contig100205_499	42.3
4817	4B	11999	IWB11999	BS00097391_51	42.3
4818	4B	72047	IWB72047	Tdurum_contig50123_97	42.3
4819	4B	36016	IWB36016	IACX5762	42.3
4820	4B	71920	IWB71920	Tdurum_contig48778_328	42.3
4821	4B	32939	IWB32939	GENE-2462_1056	42.3
4822	4B	66545	IWB66545	Tdurum_contig10481_91	42.3
4823	4B	72792	IWB72792	Tdurum_contig61465_781	42.6
4824	4B	73648	IWB73648	Tdurum_contig83679_255	42.6
4825	4B	67887	IWB67887	Tdurum_contig13165_767	42.6
4826	4B	73649	IWB73649	Tdurum_contig83679_281	42.6
4827	4B	73908	IWB73908	Tdurum_contig94240_501	42.6
4828	4B	73915	IWB73915	Tdurum_contig94552_326	42.6
4829	4B	67886	IWB67886	Tdurum_contig13165_443	42.6
4830	4B	67171	IWB67171	Tdurum_contig11603_149	42.8
4831	4B	67485	IWB67485	Tdurum_contig12177_380	42.8
4832	4B	67483	IWB67483	Tdurum_contig12177_1221	42.8
4833	4B	67487	IWB67487	Tdurum_contig12177_607	42.8
4834	4B	30893	IWB30893	Excalibur_rep_c67779_2380	42.8
4835	4B	66308	IWB66308	Tdurum_contig10160_107	42.8
4836	4B	72005	IWB72005	Tdurum_contig4974_2190	43.1
4837	4B	49027	IWB49027	Kukri_rep_c104751_388	43.1
4838	4B	27969	IWB27969	Excalibur_c60487_1130	43.1
4839	4B	72008	IWB72008	Tdurum_contig4974_3193	43.1
4840	4B	65865	IWB65865	TA004656-0593	43.1
4841	4B	70202	IWB70202	Tdurum_contig31250_273	43.1
4842	4B	72011	IWB72011	Tdurum_contig4974_832	43.1
4843	4B	73050	IWB73050	Tdurum_contig66820_466	43.1
4844	4B	72003	IWB72003	Tdurum_contig4974_1725	43.1
4845	4B	71607	IWB71607	Tdurum_contig45395_218	43.1
4846	4B	35101	IWB35101	IAAV5831	43.1
4847	4B	71002	IWB71002	Tdurum_contig42211_2142	43.1
4848	4B	9760	IWB9760	BS00066270_51	43.1
4849	4B	71003	IWB71003	Tdurum_contig42211_2280	43.1
4850	4B	71000	IWB71000	Tdurum_contig42211_1634	43.1
4851	4B	72001	IWB72001	Tdurum_contig4974_1105	43.1
4852	4B	71001	IWB71001	Tdurum_contig42211_1897	43.1
4853	4B	69537	IWB69537	Tdurum_contig28490_463	43.1
4854	4B	36244	IWB36244	IACX7819	43.1
4855	4B	6015	IWB6015	BS00007684_51	43.1

4856	4B	6658	IWB6658	BS00018707_51	43.1
4857	4B	35533	IWB35533	IAAV8767	43.1
4858	4B	49151	IWB49151	Kukri_rep_c106163_170	43.1
4859	4B	73856	IWB73856	Tdurum_contig93168_52	43.1
4860	4B	72852	IWB72852	Tdurum_contig62016_241	43.1
4861	4B	7160	IWB7160	BS00022576_51	43.1
4862	4B	73026	IWB73026	Tdurum_contig65570_163	43.1
4863	4B	72187	IWB72187	Tdurum_contig51555_568	43.1
4864	4B	72002	IWB72002	Tdurum_contig4974_1386	43.1
4865	4B	72010	IWB72010	Tdurum_contig4974_486	43.1
4866	4B	7594	IWB7594	BS00025819_51	43.1
4867	4B	67738	IWB67738	Tdurum_contig12801_136	43.4
4868	4B	28112	IWB28112	Excalibur_c6227_1073	43.4
4869	4B	75563	IWA327	wsnp_BE499456B_Ta_1_1	43.4
4870	4B	24398	IWB24398	Excalibur_c26046_293	43.4
4871	4B	73207	IWB73207	Tdurum_contig71721_147	43.4
4872	4B	42379	IWB42379	Kukri_c20822_1029	43.4
4873	4B	72885	IWB72885	Tdurum_contig62310_490	43.4
4874	4B	10265	IWB10265	BS00068242_51	43.4
4875	4B	71418	IWB71418	Tdurum_contig43393_1012	43.4
4876	4B	74043	IWB74043	Tdurum_contig98478_494	43.4
4877	4B	73701	IWB73701	Tdurum_contig85933_153	43.4
4878	4B	74042	IWB74042	Tdurum_contig98478_400	43.4
4879	4B	70250	IWB70250	Tdurum_contig31451_173	43.4
4880	4B	69165	IWB69165	Tdurum_contig25698_123	43.4
4881	4B	72884	IWB72884	Tdurum_contig62310_265	43.4
4882	4B	72225	IWB72225	Tdurum_contig51996_894	44.2
4883	4B	26492	IWB26492	Excalibur_c4380_1046	44.2
4884	4B	58216	IWB58216	RAC875_c46131_146	44.2
4885	4B	29759	IWB29759	Excalibur_rep_c101791_575	44.2
4886	4B	80	IWB80	BobWhite_c10574_193	44.2
4887	4B	3352	IWB3352	BobWhite_c44165_388	44.2
4888	4B	45291	IWB45291	Kukri_c42851_60	44.2
4889	4B	45500	IWB45500	Kukri_c44967_60	44.2
4890	4B	46169	IWB46169	Kukri_c5149_2346	44.2
4891	4B	68259	IWB68259	Tdurum_contig14562_607	44.2
4892	4B	35870	IWB35870	IACX269	44.2
4893	4B	27331	IWB27331	Excalibur_c52718_1059	44.2
4894	4B	36408	IWB36408	Jagger_c10182_85	44.2
4895	4B	40811	IWB40811	Kukri_c12398_863	44.2
4896	4B	65875	IWB65875	TA004717-0646	44.2
4897	4B	70752	IWB70752	Tdurum_contig42038_2589	44.2
4898	4B	70755	IWB70755	Tdurum_contig42038_596	44.2
4899	4B	70750	IWB70750	Tdurum_contig42038_1770	44.2
4900	4B	70754	IWB70754	Tdurum_contig42038_2826	44.2
4901	4B	57047	IWB57047	RAC875_c35152_372	44.2
4902	4B	58174	IWB58174	RAC875_c45747_87	44.2
4903	4B	72118	IWB72118	Tdurum_contig50769_1404	44.2
4904	4B	32822	IWB32822	GENE-2129_76	44.2
4905	4B	73115	IWB73115	Tdurum_contig68671_492	44.2
4906	4B	61533	IWB61533	RAC875_rep_c105972_613	44.2
4907	4B	41751	IWB41751	Kukri_c17377_1826	44.2
4908	4B	57889	IWB57889	RAC875_c42948_311	44.2
4909	4B	43495	IWB43495	Kukri_c27822_55	44.2

4910	4B	68468	IWB68468	Tdurum_contig15827_321	44.2
4911	4B	67330	IWB67330	Tdurum_contig11874_214	44.2
4912	4B	70063	IWB70063	Tdurum_contig30603_99	44.2
4913	4B	71186	IWB71186	Tdurum_contig42488_405	44.2
4914	4B	68348	IWB68348	Tdurum_contig15091_464	44.2
4915	4B	66569	IWB66569	Tdurum_contig10529_614	44.2
4916	4B	70751	IWB70751	Tdurum_contig42038_2184	44.2
4917	4B	70749	IWB70749	Tdurum_contig42038_1736	44.2
4918	4B	73930	IWB73930	Tdurum_contig95221_322	44.2
4919	4B	77160	IWA2591	wsnp_Ex_c21217_30347572	44.2
4920	4B	44029	IWB44029	Kukri_c31831_551	44.2
4921	4B	69705	IWB69705	Tdurum_contig29095_500	44.2
4922	4B	70484	IWB70484	Tdurum_contig34076_265	44.2
4923	4B	70047	IWB70047	Tdurum_contig30545_715	44.2
4924	4B	31053	IWB31053	Excalibur_rep_c69304_402	44.2
4925	4B	53379	IWB53379	RAC875_c11649_853	44.2
4926	4B	35802	IWB35802	IACX1853	44.2
4927	4B	14379	IWB14379	CAP7_rep_c12626_209	44.2
4928	4B	43967	IWB43967	Kukri_c31350_287	44.2
4929	4B	69181	IWB69181	Tdurum_contig25780_273	44.2
4930	4B	28667	IWB28667	Excalibur_c7343_57	44.7
4931	4B	27487	IWB27487	Excalibur_c54493_105	45.0
4932	4B	32941	IWB32941	GENE-2463_273	45.3
4933	4B	78565	IWA4429	wsnp_Ex_c6129_10723211	45.3
4934	4B	36179	IWB36179	IACX69	45.6
4935	4B	63293	IWB63293	RAC875_rep_c91551_80	45.6
4936	4B	58952	IWB58952	RAC875_c5351_780	45.6
4937	4B	49431	IWB49431	Kukri_rep_c110025_90	45.6
4938	4B	72265	IWB72265	Tdurum_contig52356_517	45.9
4939	4B	72287	IWB72287	Tdurum_contig52805_183	45.9
4940	4B	72288	IWB72288	Tdurum_contig52805_250	45.9
4941	4B	72399	IWB72399	Tdurum_contig54854_547	48.8
4942	4B	44068	IWB44068	Kukri_c322_1394	52.0
4943	4B	9672	IWB9672	BS00065922_51	52.0
4944	4B	40589	IWB40589	Kukri_c11415_1074	52.3
4945	4B	7195	IWB7195	BS00022653_51	52.9
4946	4B	67166	IWB67166	Tdurum_contig11593_170	52.9
4947	4B	23684	IWB23684	Excalibur_c21727_851	52.9
4948	4B	81482	IWA8443	wsnp_RFL_Contig3236_3262140	52.9
4949	4B	39484	IWB39484	Ku_c462_1417	53.7
4950	4B	39342	IWB39342	Ku_c39003_290	53.7
4951	4B	25207	IWB25207	Excalibur_c32467_676	53.7
4952	4B	26975	IWB26975	Excalibur_c48668_341	53.7
4953	4B	55797	IWB55797	RAC875_c2545_1127	53.7
4954	4B	70853	IWB70853	Tdurum_contig42107_1978	53.7
4955	4B	60481	IWB60481	RAC875_c77652_348	53.7
4956	4B	69695	IWB69695	Tdurum_contig29060_176	53.7
4957	4B	32927	IWB32927	GENE-2422_208	53.7
4958	4B	40899	IWB40899	Kukri_c12814_763	53.7
4959	4B	54642	IWB54642	RAC875_c1828_1130	53.7
4960	4B	57491	IWB57491	RAC875_c39226_131	53.7
4961	4B	69664	IWB69664	Tdurum_contig28920_296	53.7
4962	4B	70299	IWB70299	Tdurum_contig31737_203	53.7
4963	4B	73144	IWB73144	Tdurum_contig69157_448	53.7

4964	4B	73855	IWB73855	Tdurum_contig93160_155	53.7
4965	4B	77761	IWA3396	wsnp_Ex_c32500_41144083	53.7
4966	4B	34846	IWB34846	IAAV4191	53.7
4967	4B	63149	IWB63149	RAC875_rep_c79201_153	53.7
4968	4B	81016	IWA7752	wsnp_Ra_c22026_31453420	53.7
4969	4B	154	IWB154	BobWhite_c11005_236	53.7
4970	4B	21439	IWB21439	Ex_c9296_605	53.7
4971	4B	35570	IWB35570	IAAV8975	53.7
4972	4B	41569	IWB41569	Kukri_c16392_1468	53.7
4973	4B	78730	IWA4640	wsnp_Ex_c72198_70679871	53.7
4974	4B	6562	IWB6562	BS00012457_51	53.7
4975	4B	52053	IWB52053	Ra_c41921_1056	53.7
4976	4B	58303	IWB58303	RAC875_c47018_72	53.7
4977	4B	63337	IWB63337	RAC875_rep_c95493_490	53.7
4978	4B	35049	IWB35049	IAAV558	53.7
4979	4B	39883	IWB39883	Ku_c700_2585	53.7
4980	4B	77276	IWA2755	wsnp_Ex_c22785_31991891	53.7
4981	4B	77926	IWA3608	wsnp_Ex_c37437_45183193	53.7
4982	4B	52420	IWB52420	Ra_c67368_1218	53.7
4983	4B	62565	IWB62565	RAC875_rep_c69370_218	53.7
4984	4B	71859	IWB71859	Tdurum_contig4795_439	53.7
4985	4B	77882	IWA3551	wsnp_Ex_c35910_43971560	53.7
4986	4B	65899	IWB65899	TA004905-0613	53.7
4987	4B	50753	IWB50753	Ra_c10455_3226	53.7
4988	4B	21440	IWB21440	Ex_c9296_858	53.7
4989	4B	20288	IWB20288	Ex_c25467_796	53.7
4990	4B	35187	IWB35187	IAAV6327	53.7
4991	4B	38423	IWB38423	Ku_c14007_1088	53.7
4992	4B	51855	IWB51855	Ra_c32919_1154	53.7
4993	4B	52054	IWB52054	Ra_c41921_951	53.7
4994	4B	53588	IWB53588	RAC875_c12762_791	53.7
4995	4B	75464	IWA187	wsnp_BE446161B_Td_2_2	53.7
4996	4B	39627	IWB39627	Ku_c5611_1705	53.7
4997	4B	72778	IWB72778	Tdurum_contig61302_347	53.7
4998	4B	68802	IWB68802	Tdurum_contig194_182	53.7
4999	4B	6739	IWB6739	BS00021722_51	53.7
5000	4B	20289	IWB20289	Ex_c25467_851	53.7
5001	4B	60954	IWB60954	RAC875_c89195_138	53.7
5002	4B	76214	IWA1382	wsnp_Ex_c107075_90880218	53.7
5003	4B	51856	IWB51856	Ra_c32919_1289	53.7
5004	4B	70856	IWB70856	Tdurum_contig42107_2295	53.7
5005	4B	39515	IWB39515	Ku_c48056_436	53.7
5006	4B	39213	IWB39213	Ku_c3385_521	53.7
5007	4B	49052	IWB49052	Kukri_rep_c104941_336	53.7
5008	4B	51169	IWB51169	Ra_c15473_681	53.7
5009	4B	71858	IWB71858	Tdurum_contig4795_404	53.7
5010	4B	73462	IWB73462	Tdurum_contig7995_597	53.7
5011	4B	470	IWB470	BobWhite_c13247_795	53.7
5012	4B	73143	IWB73143	Tdurum_contig69157_375	53.7
5013	4B	77928	IWA3611	wsnp_Ex_c37437_45184851	53.7
5014	4B	38540	IWB38540	Ku_c16392_2687	53.7
5015	4B	299	IWB299	BobWhite_c12067_311	53.7
5016	4B	14529	IWB14529	CAP8_c1408_167	53.7
5017	4B	13720	IWB13720	CAP7_c10839_300	53.7

5018	4B	76849	IWA2171	wsnp_Ex_c16825_25387841	54.2
5019	4B	8082	IWB8082	BS00037020_51	54.2
5020	4B	36379	IWB36379	IACX938	55.1
5021	4B	1224	IWB1224	BobWhite_c18861_292	55.1
5022	4B	71804	IWB71804	Tdurum_contig47470_455	55.1
5023	4B	12223	IWB12223	BS00104364_51	55.1
5024	4B	26845	IWB26845	Excalibur_c47209_87	55.1
5025	4B	42287	IWB42287	Kukri_c20236_209	55.1
5026	4B	12276	IWB12276	BS00106144_51	55.1
5027	4B	71580	IWB71580	Tdurum_contig45125_230	55.3
5028	4B	21707	IWB21707	Excalibur_c106884_135	55.3
5029	4B	66587	IWB66587	Tdurum_contig10551_648	55.3
5030	4B	13200	IWB13200	CAP12_c1416_177	55.6
5031	4B	44944	IWB44944	Kukri_c39699_271	55.9
5032	4B	73113	IWB73113	Tdurum_contig68640_419	55.9
5033	4B	23337	IWB23337	Excalibur_c19547_1012	55.9
5034	4B	6048	IWB6048	BS00009342_51	55.9
5035	4B	47105	IWB47105	Kukri_c6388_1030	55.9
5036	4B	74077	IWB74077	Tdurum_contig9995_493	55.9
5037	4B	15007	IWB15007	CAP8_rep_c3658_272	55.9
5038	4B	69632	IWB69632	Tdurum_contig28796_163	55.9
5039	4B	13070	IWB13070	CAP11_c8620_326	55.9
5040	4B	72310	IWB72310	Tdurum_contig5327_470	55.9
5041	4B	14158	IWB14158	CAP7_c5374_51	55.9
5042	4B	60004	IWB60004	RAC875_c66141_332	56.2
5043	4B	71666	IWB71666	Tdurum_contig46247_106	56.4
5044	4B	71667	IWB71667	Tdurum_contig46247_300	56.4
5045	4B	73383	IWB73383	Tdurum_contig76556_139	57.5
5046	4B	72121	IWB72121	Tdurum_contig50783_67	57.8
5047	4B	72120	IWB72120	Tdurum_contig50783_285	57.8
5048	4B	77480	IWA3038	wsnp_Ex_c26285_35531324	57.8
5049	4B	71883	IWB71883	Tdurum_contig48366_1324	57.8
5050	4B	77481	IWA3039	wsnp_Ex_c26285_35531493	57.8
5051	4B	47537	IWB47537	Kukri_c7241_322	57.8
5052	4B	77484	IWA3042	wsnp_Ex_c26285_35532440	57.8
5053	4B	45303	IWB45303	Kukri_c4309_407	57.8
5054	4B	77483	IWA3041	wsnp_Ex_c26285_35531618	57.8
5055	4B	52254	IWB52254	Ra_c5508_706	57.8
5056	4B	6506	IWB6506	BS00012006_51	57.8
5057	4B	69929	IWB69929	Tdurum_contig29960_91	58.1
5058	4B	71654	IWB71654	Tdurum_contig45927_663	58.1
5059	4B	69928	IWB69928	Tdurum_contig29960_214	58.1
5060	4B	70997	IWB70997	Tdurum_contig42208_263	58.1
5061	4B	56768	IWB56768	RAC875_c32826_485	58.1
5062	4B	71655	IWB71655	Tdurum_contig45927_677	58.1
5063	4B	61575	IWB61575	RAC875_rep_c106322_1091	58.1
5064	4B	73996	IWB73996	Tdurum_contig97499_167	58.1
5065	4B	45215	IWB45215	Kukri_c4221_1114	58.1
5066	4B	65141	IWB65141	RFL_Contig5869_863	58.1
5067	4B	73935	IWB73935	Tdurum_contig95381_152	58.1
5068	4B	66095	IWB66095	TA011464-0382	58.1
5069	4B	17020	IWB17020	D_contig66253_864	58.1
5070	4B	73585	IWB73585	Tdurum_contig82603_67	58.1
5071	4B	73629	IWB73629	Tdurum_contig8334_1228	58.1

5072	4B	73630	IWB73630	Tdurum_contig8334_932	58.1
5073	4B	20754	IWB20754	Ex_c45493_761	63.2
5074	4B	77665	IWA3279	wsnp_Ex_c30473_39386277	63.7
5075	4B	6828	IWB6828	BS00021969_51	64.0
5076	4B	55667	IWB55667	RAC875_c24515_602	64.0
5077	4B	72883	IWB72883	Tdurum_contig62286_271	64.0
5078	4B	34604	IWB34604	IAAV2725	64.0
5079	4B	29649	IWB29649	Excalibur_c9901_251	64.0
5080	4B	29648	IWB29648	Excalibur_c9901_163	64.0
5081	4B	11229	IWB11229	BS00082063_51	64.0
5082	4B	73977	IWB73977	Tdurum_contig97207_435	66.7
5083	4B	32544	IWB32544	GENE-1584_692	67.5
5084	4B	45457	IWB45457	Kukri_c44559_429	68.7
5085	4B	33076	IWB33076	GENE-2826_154	69.2
5086	4B	35551	IWB35551	IAAV8848	69.2
5087	4B	33077	IWB33077	GENE-2826_325	69.2
5088	4B	26089	IWB26089	Excalibur_c39876_403	69.8
5089	4B	50363	IWB50363	Kukri_rep_c78644_408	69.8
5090	4B	75098	IWB75098	tplb0056b15_858	69.8
5091	4B	22176	IWB22176	Excalibur_c12937_64	69.8
5092	4B	72184	IWB72184	Tdurum_contig51521_90	70.0
5093	4B	74188	IWB74188	tplb0024i19_322	70.3
5094	4B	77162	IWA2595	wsnp_Ex_c21293_30421496	70.9
5095	4B	11859	IWB11859	BS00094252_51	70.9
5096	4B	30656	IWB30656	Excalibur_rep_c114140_567	70.9
5097	4B	35505	IWB35505	IAAV8622	70.9
5098	4B	79344	IWA5408	wsnp_Ex_rep_c67510_66116823	70.9
5099	4B	80057	IWA6465	wsnp_Ku_c12557_20249122	70.9
5100	4B	74054	IWB74054	Tdurum_contig9893_492	70.9
5101	4B	7266	IWB7266	BS00022808_51	70.9
5102	4B	48353	IWB48353	Kukri_c93922_206	71.1
5103	4B	3246	IWB3246	BobWhite_c4256_213	73.7
5104	4B	4447	IWB4447	BobWhite_c8266_510	73.7
5105	4B	44213	IWB44213	Kukri_c33550_601	73.7
5106	4B	4448	IWB4448	BobWhite_c8266_582	73.7
5107	4B	48622	IWB48622	Kukri_rep_c101259_81	74.0
5108	4B	17522	IWB17522	D_F5XZDLF01C3B2R_358	74.0
5109	4B	75726	IWA564	wsnp_BG604404B_Ta_2_1	74.0
5110	4B	48621	IWB48621	Kukri_rep_c101259_159	74.0
5111	4B	27735	IWB27735	Excalibur_c57603_523	74.0
5112	4B	32863	IWB32863	GENE-2278_444	74.0
5113	4B	12222	IWB12222	BS00104279_51	74.0
5114	4B	35335	IWB35335	IAAV7394	76.6
5115	4B	6021	IWB6021	BS00008627_51	78.6
5116	4B	8859	IWB8859	BS00062304_51	79.1
5117	4B	57507	IWB57507	RAC875_c39339_400	83.0
5118	4B	7958	IWB7958	BS00034148_51	83.3
5119	4B	7957	IWB7957	BS00034147_51	83.3
5120	4D	15465	IWB15465	D_contig08192_385	0.0
5121	4D	47181	IWB47181	Kukri_c64744_698	0.6
5122	4D	19937	IWB19937	Ex_c16174_681	0.6
5123	4D	6670	IWB6670	BS00019676_51	0.6
5124	4D	34423	IWB34423	IAAV1674	0.6
5125	4D	53820	IWB53820	RAC875_c13945_597	20.7

5126	4D	41974	IWB41974	Kukri_c18444_266	30.8
5127	4D	75865	IWA752	wsnp_CAP11_c356_280910	34.0
5128	4D	15038	IWB15038	CAP8_rep_c5023_658	34.0
5129	4D	60685	IWB60685	RAC875_c8234_293	34.5
5130	4D	30733	IWB30733	Excalibur_rep_c66353_598	38.3
5131	4D	20608	IWB20608	Ex_c3802_71	39.4
5132	4D	25533	IWB25533	Excalibur_c34923_401	39.7
5133	4D	15933	IWB15933	D_contig18653_123	44.0
5134	4D	65603	IWB65603	TA002774-0685	46.9
5135	4D	24500	IWB24500	Excalibur_c26894_241	48.0
5136	4D	15342	IWB15342	D_contig05193_283	48.0
5137	4D	74489	IWB74489	tplb0033b01_1188	48.0
5138	4D	81459	IWA8399	wsnp_RFL_Contig2828_2623246	48.0
5139	4D	61338	IWB61338	RAC875_rep_c102406_829	48.0
5140	4D	18434	IWB18434	D_GBF1XID02GDJWC_235	48.0
5141	4D	55348	IWB55348	RAC875_c22484_712	48.0
5142	4D	17357	IWB17357	D_F1BEJMU02HWGDP_164	48.0
5143	4D	16325	IWB16325	D_contig27646_358	48.0
5144	4D	16427	IWB16427	D_contig29825_215	48.0
5145	4D	65609	IWB65609	TA002864-0595	48.0
5146	4D	62719	IWB62719	RAC875_rep_c70720_775	49.7
5147	4D	75631	IWA430	wsnp_BF202706D_Ta_1_1	49.7
5148	4D	27974	IWB27974	Excalibur_c6055_1930	50.5
5149	4D	57638	IWB57638	RAC875_c40619_130	51.7
5150	4D	40326	IWB40326	Kukri_c10365_1062	51.7
5151	4D	28812	IWB28812	Excalibur_c7672_364	52.5
5152	4D	18825	IWB18825	D_GCE8AKX01D6EGT_63	54.2
5153	4D	17169	IWB17169	D_contig75565_413	54.2
5154	4D	76775	IWA2080	wsnp_Ex_c15977_24392258	54.2
5155	4D	17561	IWB17561	D_F5XZDLF01DLRB6_99	54.2
5156	4D	81519	IWA8514	wsnp_RFL_Contig3792_4086706	54.8
5157	4D	75531	IWA286	wsnp_BE497160D_Ta_2_1	61.8
5158	4D	29166	IWB29166	Excalibur_c864_502	63.7
5159	4D	36129	IWB36129	IACX624	67.3
5160	4D	35805	IWB35805	IACX1867	67.3
5161	4D	65535	IWB65535	TA002331-0702	67.3
5162	4D	30184	IWB30184	Excalibur_rep_c106172_225	67.3
5163	4D	35721	IWB35721	IACX1215	67.3
5164	4D	16381	IWB16381	D_contig28771_74	67.3
5165	4D	75594	IWA382	wsnp_BE591739D_Ta_2_3	67.3
5166	4D	28897	IWB28897	Excalibur_c79009_131	82.8
5167	4D	9285	IWB9285	BS00064447_51	88.2
5168	4D	15650	IWB15650	D_contig12389_982	88.2
5169	4D	43325	IWB43325	Kukri_c26670_493	88.2
5170	4D	19222	IWB19222	D_GDRF1KQ02H66WD_341	97.0
5171	4D	49126	IWB49126	Kukri_rep_c105952_87	97.0
5172	4D	39068	IWB39068	Ku_c2885_1277	114.1
5173	4D	2170	IWB2170	BobWhite_c28101_376	114.9
5174	5A	4290	IWB4290	BobWhite_c7114_237	0.0
5175	5A	78576	IWA4445	wsnp_Ex_c6209_10838456	1.1
5176	5A	65889	IWB65889	TA004832-0873	1.7
5177	5A	77894	IWA3566	wsnp_Ex_c3620_6612231	2.5
5178	5A	79712	IWA5923	wsnp_JD_c2128_2930150	3.1
5179	5A	77895	IWA3567	wsnp_Ex_c3620_6612294	3.1

5180	5A	55024	IWB55024	RAC875_c2061_55	6.7
5181	5A	23799	IWB23799	Excalibur_c22411_690	6.7
5182	5A	76829	IWA2145	wsnp_Ex_c16551_25061517	11.8
5183	5A	9216	IWB9216	BS00064188_51	12.1
5184	5A	6912	IWB6912	BS00022116_51	12.1
5185	5A	28466	IWB28466	Excalibur_c6714_246	14.5
5186	5A	65732	IWB65732	TA003745-0632	15.3
5187	5A	34611	IWB34611	IAAV2776	15.3
5188	5A	64849	IWB64849	RFL_Contig4979_4240	15.3
5189	5A	66053	IWB66053	TA006089-0703	15.9
5190	5A	80733	IWA7361	wsnp_Ku_c9559_16000086	21.8
5191	5A	80732	IWA7360	wsnp_Ku_c9559_15999945	21.8
5192	5A	7817	IWB7817	BS00031073_51	21.8
5193	5A	77595	IWA3196	wsnp_Ex_c28908_37989067	23.3
5194	5A	79056	IWA5053	wsnp_Ex_rep_c102143_87374435	23.3
5195	5A	4171	IWB4171	BobWhite_c6468_104	23.3
5196	5A	50392	IWB50392	Kukri_rep_c80571_265	23.3
5197	5A	77596	IWA3197	wsnp_Ex_c28908_37989320	23.3
5198	5A	5245	IWB5245	BobWhite_rep_c60372_388	23.3
5199	5A	80056	IWA6463	wsnp_Ku_c1254_2498515	23.3
5200	5A	11440	IWB11440	BS00086096_51	23.3
5201	5A	56409	IWB56409	RAC875_c30001_200	23.3
5202	5A	79315	IWA5368	wsnp_Ex_rep_c67179_65674582	30.6
5203	5A	35357	IWB35357	IAAV7519	31.1
5204	5A	11853	IWB11853	BS00094095_51	32.8
5205	5A	10967	IWB10967	BS00077879_51	32.8
5206	5A	33331	IWB33331	GENE-3321_201	33.4
5207	5A	23035	IWB23035	Excalibur_c17904_437	33.7
5208	5A	30698	IWB30698	Excalibur_rep_c115510_314	33.7
5209	5A	65602	IWB65602	TA002772-0920	33.7
5210	5A	64449	IWB64449	RFL_Contig3674_847	33.7
5211	5A	77739	IWA3365	wsnp_Ex_c31830_40573624	33.7
5212	5A	12627	IWB12627	BS00111119_51	33.7
5213	5A	76028	IWA1062	wsnp_CAP7_c2282_1107112	33.7
5214	5A	48151	IWB48151	Kukri_c8835_112	33.7
5215	5A	40035	IWB40035	Ku_c7910_1651	33.7
5216	5A	78284	IWA4069	wsnp_Ex_c5013_8914160	33.7
5217	5A	61904	IWB61904	RAC875_rep_c109661_107	33.7
5218	5A	79495	IWA5615	wsnp_Ex_rep_c69526_68472787	33.7
5219	5A	76999	IWA2378	wsnp_Ex_c19134_28056012	33.7
5220	5A	72119	IWB72119	Tdurum_contig50779_383	33.7
5221	5A	41931	IWB41931	Kukri_c18268_79	33.7
5222	5A	48152	IWB48152	Kukri_c8835_579	33.7
5223	5A	78080	IWA3811	wsnp_Ex_c4211_7606269	33.7
5224	5A	52605	IWB52605	Ra_c7322_2294	33.7
5225	5A	4848	IWB4848	BobWhite_rep_c50145_387	33.9
5226	5A	8252	IWB8252	BS00040933_51	33.9
5227	5A	79581	IWA5728	wsnp_Ex_rep_c71219_70023450	33.9
5228	5A	59634	IWB59634	RAC875_c61887_194	34.5
5229	5A	68312	IWB68312	Tdurum_contig14863_916	37.4
5230	5A	43006	IWB43006	Kukri_c24642_426	38.0
5231	5A	25073	IWB25073	Excalibur_c31194_404	38.8
5232	5A	32340	IWB32340	GENE-1265_290	39.1
5233	5A	75913	IWA825	wsnp_CAP11_c951_572693	39.4

5234	5A	46908	IWB46908	Kukri_c61108_900	40.2
5235	5A	66960	IWB66960	Tdurum_contig11173_79	42.0
5236	5A	61548	IWB61548	RAC875_rep_c106118_339	42.0
5237	5A	9955	IWB9955	BS00067096_51	42.0
5238	5A	76689	IWA1973	wsnp_Ex_c15046_23216392	42.2
5239	5A	25262	IWB25262	Excalibur_c32833_466	42.2
5240	5A	27070	IWB27070	Excalibur_c4964_275	42.2
5241	5A	11167	IWB11167	BS00081120_51	42.2
5242	5A	77864	IWA3530	wsnp_Ex_c356_698872	42.2
5243	5A	80508	IWA7061	wsnp_Ku_c4389_7970859	42.2
5244	5A	63885	IWB63885	RFL_Contig2251_434	43.1
5245	5A	81308	IWA8154	wsnp_Ra_rep_c69221_66574148	44.8
5246	5A	79947	IWA6287	wsnp_JD_rep_c61843_39601402	44.8
5247	5A	52454	IWB52454	Ra_c69221_1167	44.8
5248	5A	77589	IWA3190	wsnp_Ex_c28827_37918346	44.8
5249	5A	7718	IWB7718	BS00029347_51	48.1
5250	5A	10981	IWB10981	BS00077990_51	48.1
5251	5A	8401	IWB8401	BS00045473_51	48.1
5252	5A	51581	IWB51581	Ra_c24707_827	48.1
5253	5A	81037	IWA7777	wsnp_Ra_c24707_34262900	48.1
5254	5A	8266	IWB8266	BS00041219_51	48.1
5255	5A	76153	IWA1301	wsnp_Ex_c10231_16783750	48.4
5256	5A	31051	IWB31051	Excalibur_rep_c69282_651	49.2
5257	5A	73385	IWB73385	Tdurum_contig76578_537	49.2
5258	5A	80724	IWA7351	wsnp_Ku_c933_1913402	49.2
5259	5A	79428	IWA5521	wsnp_Ex_rep_c68269_67060931	49.2
5260	5A	77077	IWA2480	wsnp_Ex_c19892_28910730	49.2
5261	5A	79409	IWA5496	wsnp_Ex_rep_c68117_66883366	49.2
5262	5A	8975	IWB8975	BS00062996_51	50.1
5263	5A	27297	IWB27297	Excalibur_c52165_93	50.1
5264	5A	78786	IWA4710	wsnp_Ex_c7668_13089715	50.3
5265	5A	78806	IWA4736	wsnp_Ex_c7841_13337935	50.3
5266	5A	76811	IWA2120	wsnp_Ex_c16317_24795290	50.3
5267	5A	40883	IWB40883	Kukri_c12738_882	50.3
5268	5A	81559	IWA8582	wsnp_RFL_Contig4307_5006558	50.9
5269	5A	77068	IWA2467	wsnp_Ex_c19820_28829623	51.2
5270	5A	61543	IWB61543	RAC875_rep_c106044_137	51.2
5271	5A	30993	IWB30993	Excalibur_rep_c68784_1193	51.5
5272	5A	26943	IWB26943	Excalibur_c4834_1733	52.0
5273	5A	4824	IWB4824	BobWhite_rep_c49979_373	52.0
5274	5A	2909	IWB2909	BobWhite_c37466_227	52.0
5275	5A	76667	IWA1943	wsnp_Ex_c14812_22928900	52.0
5276	5A	53023	IWB53023	RAC875_c103787_233	52.0
5277	5A	29431	IWB29431	Excalibur_c9356_783	52.0
5278	5A	24934	IWB24934	Excalibur_c30148_589	52.0
5279	5A	4800	IWB4800	BobWhite_rep_c49700_452	52.0
5280	5A	12787	IWB12787	CAP11_c2503_103	52.0
5281	5A	65499	IWB65499	TA002096-0945	53.8
5282	5A	65663	IWB65663	TA003225-1427	53.8
5283	5A	80908	IWA7597	wsnp_Ra_c13_24576	53.8
5284	5A	80563	IWA7129	wsnp_Ku_c5071_9049540	53.8
5285	5A	78211	IWA3975	wsnp_Ex_c4666_8349206	53.8
5286	5A	9138	IWB9138	BS00063822_51	53.8
5287	5A	53637	IWB53637	RAC875_c13_1458	53.8

5288	5A	53644	IWB53644	RAC875_c13_2330	53.8
5289	5A	79442	IWA5539	wsnp_Ex_rep_c68515_67349904	53.8
5290	5A	72022	IWB72022	Tdurum_contig49844_958	53.8
5291	5A	10513	IWB10513	BS00070903_51	53.8
5292	5A	13508	IWB13508	CAP12_c667_143	53.8
5293	5A	11474	IWB11474	BS00086963_51	53.8
5294	5A	65662	IWB65662	TA003225-0566	53.8
5295	5A	27439	IWB27439	Excalibur_c53930_53	53.8
5296	5A	51106	IWB51106	Ra_c144_1023	53.8
5297	5A	8862	IWB8862	BS00062427_51	53.8
5298	5A	53643	IWB53643	RAC875_c13_2258	53.8
5299	5A	9139	IWB9139	BS00063823_51	53.8
5300	5A	53638	IWB53638	RAC875_c13_1589	53.8
5301	5A	38790	IWB38790	Ku_c21587_754	53.8
5302	5A	66579	IWB66579	Tdurum_contig10546_273	53.8
5303	5A	45248	IWB45248	Kukri_c42466_392	53.8
5304	5A	71584	IWB71584	Tdurum_contig45240_1309	53.8
5305	5A	9056	IWB9056	BS00063425_51	53.8
5306	5A	74436	IWB74436	tplb0031i04_452	53.8
5307	5A	80564	IWA7130	wsnp_Ku_c5071_9050628	53.8
5308	5A	34498	IWB34498	IAAV2080	53.8
5309	5A	7966	IWB7966	BS00034303_51	53.8
5310	5A	7967	IWB7967	BS00034304_51	53.8
5311	5A	61629	IWB61629	RAC875_rep_c106700_77	53.8
5312	5A	33359	IWB33359	GENE-3370_463	53.8
5313	5A	79441	IWA5538	wsnp_Ex_rep_c68515_67349716	54.6
5314	5A	79587	IWA5735	wsnp_Ex_rep_c72507_70869798	54.6
5315	5A	53640	IWB53640	RAC875_c13_1965	54.6
5316	5A	80907	IWA7596	wsnp_Ra_c13_24540	54.6
5317	5A	787	IWB787	BobWhite_c15454_63	54.6
5318	5A	9723	IWB9723	BS00066127_51	54.6
5319	5A	1040	IWB1040	BobWhite_c17440_130	55.8
5320	5A	79684	IWA5884	wsnp_JD_c1796_2496653	56.4
5321	5A	61122	IWB61122	RAC875_c95309_460	56.7
5322	5A	33480	IWB33480	GENE-3583_319	56.7
5323	5A	35587	IWB35587	IAAV9057	56.7
5324	5A	9838	IWB9838	BS00066569_51	56.9
5325	5A	688	IWB688	BobWhite_c14705_487	57.2
5326	5A	79434	IWA5528	wsnp_Ex_rep_c68441_67261679	57.2
5327	5A	6002	IWB6002	BS00005311_51	57.2
5328	5A	71919	IWB71919	Tdurum_contig48766_257	58.1
5329	5A	12396	IWB12396	BS00109052_51	58.4
5330	5A	21005	IWB21005	Ex_c6161_335	58.9
5331	5A	79323	IWA5380	wsnp_Ex_rep_c67292_65834396	59.5
5332	5A	10855	IWB10855	BS00076190_51	59.8
5333	5A	77393	IWA2926	wsnp_Ex_c2474_4619730	60.0
5334	5A	10795	IWB10795	BS00075308_51	60.0
5335	5A	21834	IWB21834	Excalibur_c112658_300	60.0
5336	5A	64901	IWB64901	RFL_Contig5137_917	60.0
5337	5A	76793	IWA2101	wsnp_Ex_c16127_24561453	60.0
5338	5A	81033	IWA7773	wsnp_Ra_c23878_33418076	62.0
5339	5A	78594	IWA4477	wsnp_Ex_c6314_10993582	62.0
5340	5A	36452	IWB36452	Jagger_c1611_158	62.0
5341	5A	81204	IWA8009	wsnp_Ra_c5651_9978896	62.0

5342	5A	11111	IWB11111	BS00080093_51	62.0
5343	5A	57809	IWB57809	RAC875_c42037_363	62.0
5344	5A	73422	IWB73422	Tdurum_contig77524_228	62.0
5345	5A	79915	IWA6232	wsnp_JD_c9510_10342018	62.0
5346	5A	10055	IWB10055	BS00067456_51	62.0
5347	5A	22565	IWB22565	Excalibur_c15134_889	62.0
5348	5A	56276	IWB56276	RAC875_c29072_75	62.0
5349	5A	69450	IWB69450	Tdurum_contig28179_189	62.0
5350	5A	14779	IWB14779	CAP8_c4920_219	62.0
5351	5A	33420	IWB33420	GENE-3493_612	62.0
5352	5A	45690	IWB45690	Kukri_c46666_171	62.0
5353	5A	71631	IWB71631	Tdurum_contig4567_312	62.0
5354	5A	81203	IWA8008	wsnp_Ra_c5651_9978752	62.0
5355	5A	73545	IWB73545	Tdurum_contig82048_224	62.0
5356	5A	75927	IWA850	wsnp_CAP11_rep_c4151_1963100	62.0
5357	5A	75399	IWA104	wsnp_BE442676A_Ta_2_1	62.0
5358	5A	4680	IWB4680	BobWhite_c9931_915	62.0
5359	5A	56142	IWB56142	RAC875_c27967_1477	62.0
5360	5A	59706	IWB59706	RAC875_c62685_520	62.0
5361	5A	28986	IWB28986	Excalibur_c8110_231	62.0
5362	5A	218	IWB218	BobWhite_c11405_356	62.0
5363	5A	79785	IWA6036	wsnp_JD_c3867_4934646	62.0
5364	5A	78593	IWA4476	wsnp_Ex_c6314_10992814	62.0
5365	5A	33227	IWB33227	GENE-3101_137	62.0
5366	5A	3119	IWB3119	BobWhite_c40449_189	62.0
5367	5A	71455	IWB71455	Tdurum_contig43874_1129	62.0
5368	5A	5642	IWB5642	BobWhite_rep_c67156_244	62.0
5369	5A	77049	IWA2445	wsnp_Ex_c19647_28632659	62.8
5370	5A	53498	IWB53498	RAC875_c1219_1258	65.7
5371	5A	42775	IWB42775	Kukri_c2326_659	65.7
5372	5A	58797	IWB58797	RAC875_c52086_340	65.7
5373	5A	78269	IWA4049	wsnp_Ex_c4921_8764088	65.7
5374	5A	14582	IWB14582	CAP8_c2014_192	65.7
5375	5A	42777	IWB42777	Kukri_c2326_995	65.7
5376	5A	42774	IWB42774	Kukri_c2326_1037	65.7
5377	5A	5443	IWB5443	BobWhite_rep_c64197_143	65.7
5378	5A	69484	IWB69484	Tdurum_contig28282_184	65.7
5379	5A	6959	IWB6959	BS00022191_51	65.7
5380	5A	77986	IWA3683	wsnp_Ex_c39592_46849607	65.7
5381	5A	11967	IWB11967	BS00096688_51	65.7
5382	5A	11226	IWB11226	BS00082002_51	65.7
5383	5A	20824	IWB20824	Ex_c4921_742	66.0
5384	5A	14825	IWB14825	CAP8_c5592_77	66.0
5385	5A	2190	IWB2190	BobWhite_c28317_190	66.6
5386	5A	34728	IWB34728	IAAV3514	66.8
5387	5A	41181	IWB41181	Kukri_c14275_674	66.8
5388	5A	80105	IWA6522	wsnp_Ku_c14275_22535576	66.8
5389	5A	80106	IWA6523	wsnp_Ku_c14275_22535693	66.8
5390	5A	12306	IWB12306	BS00107192_51	66.8
5391	5A	5278	IWB5278	BobWhite_rep_c61813_322	66.8
5392	5A	468	IWB468	BobWhite_c13238_386	66.8
5393	5A	12933	IWB12933	CAP11_c528_76	68.2
5394	5A	49048	IWB49048	Kukri_rep_c104877_2166	68.5
5395	5A	39499	IWB39499	Ku_c47168_563	70.9

5396	5A	31570	IWB31570	Excalibur_s114708_55	71.7
5397	5A	14493	IWB14493	CAP8_c1066_309	71.7
5398	5A	78720	IWA4629	wsnp_Ex_c7168_12311649	72.3
5399	5A	4229	IWB4229	BobWhite_c6759_365	72.3
5400	5A	76456	IWA1686	wsnp_Ex_c1279_2451699	72.5
5401	5A	53912	IWB53912	RAC875_c1437_1644	72.5
5402	5A	76455	IWA1685	wsnp_Ex_c1279_2451582	72.5
5403	5A	61293	IWB61293	RAC875_c99519_227	72.5
5404	5A	78948	IWA4914	wsnp_Ex_c94356_82888150	72.5
5405	5A	73963	IWB73963	Tdurum_contig96830_155	72.5
5406	5A	73348	IWB73348	Tdurum_contig76136_404	72.5
5407	5A	71850	IWB71850	Tdurum_contig47852_422	72.5
5408	5A	71451	IWB71451	Tdurum_contig43844_1266	72.5
5409	5A	72632	IWB72632	Tdurum_contig59338_1902	72.5
5410	5A	21444	IWB21444	Ex_c9327_1907	72.5
5411	5A	21442	IWB21442	Ex_c9327_1198	72.5
5412	5A	35206	IWB35206	IAAV6488	72.5
5413	5A	80423	IWA6949	wsnp_Ku_c35386_44598937	72.8
5414	5A	33345	IWB33345	GENE-3344_224	73.1
5415	5A	35355	IWB35355	IAAV7514	73.1
5416	5A	43972	IWB43972	Kukri_c31411_690	73.1
5417	5A	11865	IWB11865	BS00094342_51	73.1
5418	5A	22035	IWB22035	Excalibur_c1208_72	74.5
5419	5A	75517	IWA263	wsnp_BE495277A_Ta_2_5	76.8
5420	5A	75505	IWA247	wsnp_BE494426A_Ta_1_2	76.8
5421	5A	41144	IWB41144	Kukri_c14056_497	76.8
5422	5A	75516	IWA262	wsnp_BE495277A_Ta_2_1	76.8
5423	5A	4568	IWB4568	BobWhite_c9057_118	76.8
5424	5A	5459	IWB5459	BobWhite_rep_c64318_615	76.8
5425	5A	56234	IWB56234	RAC875_c28819_320	76.8
5426	5A	3848	IWB3848	BobWhite_c5457_1440	76.8
5427	5A	4912	IWB4912	BobWhite_rep_c50888_306	76.8
5428	5A	48920	IWB48920	Kukri_rep_c103857_458	76.8
5429	5A	35949	IWB35949	IACX424	76.8
5430	5A	58598	IWB58598	RAC875_c49940_385	76.8
5431	5A	75097	IWB75097	tplb0056b09_1000	76.8
5432	5A	52993	IWB52993	RAC875_c10310_1486	77.4
5433	5A	66106	IWB66106	TA012788-0448	77.4
5434	5A	62312	IWB62312	RAC875_rep_c115230_87	77.4
5435	5A	5565	IWB5565	BobWhite_rep_c65811_114	77.7
5436	5A	50745	IWB50745	Ra_c10310_595	77.7
5437	5A	233	IWB233	BobWhite_c11512_157	78.2
5438	5A	52461	IWB52461	Ra_c6930_1753	79.1
5439	5A	29626	IWB29626	Excalibur_c9846_1720	80.5
5440	5A	9731	IWB9731	BS00066143_51	80.5
5441	5A	52919	IWB52919	RAC875_c101391_521	80.5
5442	5A	59682	IWB59682	RAC875_c62327_65	80.5
5443	5A	80569	IWA7135	wsnp_Ku_c51039_56457361	80.5
5444	5A	12854	IWB12854	CAP11_c3591_72	80.5
5445	5A	1253	IWB1253	BobWhite_c19155_246	80.5
5446	5A	73631	IWB73631	Tdurum_contig83412_270	81.3
5447	5A	61032	IWB61032	RAC875_c91464_170	81.3
5448	5A	6762	IWB6762	BS00021805_51	81.3
5449	5A	75269	IWB75269	tplb0060m15_257	82.2

5450	5A	47184	IWB47184	Kukri_c6477_696	82.2
5451	5A	34336	IWB34336	IAAV1179	82.2
5452	5A	45474	IWB45474	Kukri_c44685_238	82.2
5453	5A	72977	IWB72977	Tdurum_contig64337_158	82.4
5454	5A	50648	IWB50648	Kukri_s112978_54	83.3
5455	5A	41287	IWB41287	Kukri_c14889_1086	83.3
5456	5A	33279	IWB33279	GENE-3189_377	83.3
5457	5A	36671	IWB36671	Jagger_c6106_119	83.3
5458	5A	47646	IWB47646	Kukri_c75754_239	83.3
5459	5A	10250	IWB10250	BS00068178_51	83.3
5460	5A	12027	IWB12027	BS00098207_51	83.3
5461	5A	68661	IWB68661	Tdurum_contig17500_876	83.6
5462	5A	33329	IWB33329	GENE-3318_556	83.6
5463	5A	45155	IWB45155	Kukri_c41594_74	87.8
5464	5A	42941	IWB42941	Kukri_c24211_1034	88.3
5465	5A	76988	IWA2364	wsnp_Ex_c18941_27840933	88.3
5466	5A	76989	IWA2365	wsnp_Ex_c18941_27841286	88.3
5467	5A	7725	IWB7725	BS00029412_51	88.3
5468	5A	27298	IWB27298	Excalibur_c52167_355	88.9
5469	5A	3341	IWB3341	BobWhite_c43981_90	88.9
5470	5A	80050	IWA6456	wsnp_Ku_c12211_19780409	88.9
5471	5A	3340	IWB3340	BobWhite_c43981_59	88.9
5472	5A	80956	IWA7665	wsnp_Ra_c17216_26044790	88.9
5473	5A	6708	IWB6708	BS00021678_51	89.2
5474	5A	12467	IWB12467	BS00110075_51	89.2
5475	5A	6702	IWB6702	BS00021669_51	89.2
5476	5A	10117	IWB10117	BS00067676_51	90.0
5477	5A	34534	IWB34534	IAAV2328	90.3
5478	5A	78229	IWA3996	wsnp_Ex_c47684_52820187	91.2
5479	5A	75341	IWA12	wsnp_BE399939A_Ta_2_1	91.2
5480	5A	4234	IWB4234	BobWhite_c6782_180	92.6
5481	5A	10966	IWB10966	BS00077858_51	92.6
5482	5A	10965	IWB10965	BS00077855_51	92.6
5483	5A	6184	IWB6184	BS00010179_51	92.6
5484	5A	55492	IWB55492	RAC875_c23340_2243	92.8
5485	5A	35938	IWB35938	IACX3911	93.1
5486	5A	73294	IWB73294	Tdurum_contig75699_1053	94.2
5487	5A	40582	IWB40582	Kukri_c1137_411	94.2
5488	5A	71641	IWB71641	Tdurum_contig4576_1153	94.2
5489	5A	50059	IWB50059	Kukri_rep_c70839_205	94.2
5490	5A	72998	IWB72998	Tdurum_contig64715_774	94.2
5491	5A	71643	IWB71643	Tdurum_contig4576_603	94.2
5492	5A	71983	IWB71983	Tdurum_contig49576_134	94.2
5493	5A	73295	IWB73295	Tdurum_contig75699_984	94.2
5494	5A	69159	IWB69159	Tdurum_contig25656_240	94.2
5495	5A	71642	IWB71642	Tdurum_contig4576_1646	94.2
5496	5A	71984	IWB71984	Tdurum_contig49576_75	94.2
5497	5A	59852	IWB59852	RAC875_c64253_435	94.5
5498	5A	59853	IWB59853	RAC875_c64253_666	94.5
5499	5A	25846	IWB25846	Excalibur_c37642_800	95.6
5500	5A	25845	IWB25845	Excalibur_c37642_493	95.6
5501	5A	46889	IWB46889	Kukri_c60913_155	97.6
5502	5A	47196	IWB47196	Kukri_c6492_375	97.6
5503	5A	26844	IWB26844	Excalibur_c472_914	97.6

5504	5A	25393	IWB25393	Excalibur_c33923_592	97.6
5505	5A	66355	IWB66355	Tdurum_contig10210_425	97.9
5506	5A	55564	IWB55564	RAC875_c23775_406	97.9
5507	5A	25715	IWB25715	Excalibur_c36447_516	97.9
5508	5A	76720	IWA2014	wsnp_Ex_c15342_23592789	97.9
5509	5A	79503	IWA5623	wsnp_Ex_rep_c69647_68598463	97.9
5510	5A	52187	IWB52187	Ra_c50261_717	97.9
5511	5A	35586	IWB35586	IAAV9053	97.9
5512	5A	10684	IWB10684	BS00073670_51	97.9
5513	5A	43526	IWB43526	Kukri_c28080_887	98.2
5514	5A	79504	IWA5624	wsnp_Ex_rep_c69647_68598487	98.8
5515	5A	7746	IWB7746	BS00029871_51	99.1
5516	5A	62170	IWB62170	RAC875_rep_c112751_303	99.1
5517	5A	73200	IWB73200	Tdurum_contig71499_211	99.1
5518	5A	55779	IWB55779	RAC875_c25339_200	99.1
5519	5A	70567	IWB70567	Tdurum_contig36142_150	99.1
5520	5A	46815	IWB46815	Kukri_c5967_586	99.1
5521	5A	3131	IWB3131	BobWhite_c40633_308	99.1
5522	5A	76297	IWA1486	wsnp_Ex_c1138_2185522	99.1
5523	5A	10766	IWB10766	BS00074876_51	99.1
5524	5A	38386	IWB38386	Ku_c13370_656	99.3
5525	5A	73552	IWB73552	Tdurum_contig82190_124	99.3
5526	5A	71521	IWB71521	Tdurum_contig44343_1039	99.6
5527	5A	6049	IWB6049	BS00009369_51	100.4
5528	5A	72992	IWB72992	Tdurum_contig64587_107	100.4
5529	5A	73058	IWB73058	Tdurum_contig67291_367	100.4
5530	5A	66717	IWB66717	Tdurum_contig10759_260	100.4
5531	5A	10726	IWB10726	BS00074299_51	103.7
5532	5A	73710	IWB73710	Tdurum_contig86202_175	103.7
5533	5A	1737	IWB1737	BobWhite_c23736_153	103.7
5534	5A	73709	IWB73709	Tdurum_contig86202_145	103.7
5535	5A	72283	IWB72283	Tdurum_contig52695_388	103.7
5536	5A	10862	IWB10862	BS00076246_51	103.7
5537	5A	10727	IWB10727	BS00074301_51	103.7
5538	5A	35164	IWB35164	IAAV619	104.0
5539	5A	33488	IWB33488	GENE-3601_145	104.0
5540	5A	78793	IWA4719	wsnp_Ex_c7729_13177883	105.1
5541	5A	36383	IWB36383	IACX9410	105.1
5542	5A	62360	IWB62360	RAC875_rep_c116420_103	105.1
5543	5A	77737	IWA3363	wsnp_Ex_c31799_40545478	105.1
5544	5A	62203	IWB62203	RAC875_rep_c113313_607	105.1
5545	5A	40218	IWB40218	Kukri_c10033_724	105.1
5546	5A	20403	IWB20403	Ex_c2840_1013	105.4
5547	5A	79251	IWA5287	wsnp_Ex_rep_c66689_65010988	106.0
5548	5A	61301	IWB61301	RAC875_c9984_1003	106.0
5549	5A	74648	IWB74648	tplb0038h19_1394	106.0
5550	5A	12023	IWB12023	BS00098062_51	106.0
5551	5A	61908	IWB61908	RAC875_rep_c109716_67	106.2
5552	5A	48364	IWB48364	Kukri_c9411_676	106.2
5553	5A	35961	IWB35961	IACX448	106.2
5554	5A	23954	IWB23954	Excalibur_c23354_187	106.2
5555	5A	7820	IWB7820	BS00031117_51	106.2
5556	5A	6893	IWB6893	BS00022071_51	106.2
5557	5A	77269	IWA2743	wsnp_Ex_c22727_31934296	106.2

5558	5A	75334	IWA1	wsnp_AJ612027A_Ta_2_1	106.2
5559	5A	78406	IWA4221	wsnp_Ex_c54193_57155632	106.2
5560	5A	78405	IWA4220	wsnp_Ex_c54193_57155537	106.2
5561	5A	78540	IWA4398	wsnp_Ex_c5998_10513766	106.2
5562	5A	10843	IWB10843	BS00075959_51	106.2
5563	5A	34703	IWB34703	IAAV3365	106.2
5564	5A	23955	IWB23955	Excalibur_c23354_306	106.2
5565	5A	40810	IWB40810	Kukri_c12384_430	106.5
5566	5A	47327	IWB47327	Kukri_c6669_145	106.5
5567	5A	44169	IWB44169	Kukri_c33022_198	106.5
5568	5A	76913	IWA2256	wsnp_Ex_c17763_26513562	108.2
5569	5A	35506	IWB35506	IAAV8629	108.2
5570	5A	12839	IWB12839	CAP11_c3209_76	108.8
5571	5A	76888	IWA2223	wsnp_Ex_c17476_26190830	108.8
5572	5A	63075	IWB63075	RAC875_rep_c76193_513	108.8
5573	5A	66780	IWB66780	Tdurum_contig10843_745	109.6
5574	5A	64235	IWB64235	RFL_Contig316_572	109.6
5575	5A	72051	IWB72051	Tdurum_contig50175_875	109.6
5576	5A	78872	IWA4813	wsnp_Ex_c8543_14357051	109.6
5577	5A	8767	IWB8767	BS00059098_51	109.6
5578	5A	26265	IWB26265	Excalibur_c41710_417	109.6
5579	5A	37063	IWB37063	JD_c15758_288	109.6
5580	5A	75918	IWA835	wsnp_CAP11_rep_c4073_1924782	109.6
5581	5A	74800	IWB74800	tplb0044j06_689	109.9
5582	5A	12135	IWB12135	BS00100510_51	109.9
5583	5A	12366	IWB12366	BS00108474_51	109.9
5584	5A	78536	IWA4394	wsnp_Ex_c5978_10478584	109.9
5585	5A	81135	IWA7911	wsnp_Ra_c3966_7286546	109.9
5586	5A	1041	IWB1041	BobWhite_c17445_83	111.3
5587	5A	75736	IWA576	wsnp_BG606780A_Td_2_1	114.3
5588	5A	12711	IWB12711	CAP11_c1685_149	115.1
5589	5A	47006	IWB47006	Kukri_c6266_260	115.1
5590	5A	78004	IWA3705	wsnp_Ex_c40019_47166980	115.7
5591	5A	5457	IWB5457	BobWhite_rep_c64315_180	116.0
5592	5A	29406	IWB29406	Excalibur_c92705_94	116.0
5593	5A	32889	IWB32889	GENE-2344_73	116.0
5594	5A	912	IWB912	BobWhite_c16397_524	116.9
5595	5A	35862	IWB35862	IACX2539	116.9
5596	5A	15392	IWB15392	D_contig06709_822	117.1
5597	5A	71377	IWB71377	Tdurum_contig42905_282	118.0
5598	5A	59523	IWB59523	RAC875_c60453_122	118.6
5599	5A	75347	IWA21	wsnp_BE403211A_Td_2_1	118.6
5600	5A	66044	IWB66044	TA006037-0261	118.6
5601	5A	53729	IWB53729	RAC875_c13490_1344	118.6
5602	5A	76124	IWA1258	wsnp_CD454152A_Ta_2_1	120.0
5603	5A	12226	IWB12226	BS00104432_51	124.0
5604	5A	12442	IWB12442	BS00109908_51	124.3
5605	5A	43714	IWB43714	Kukri_c29475_380	124.5
5606	5A	43581	IWB43581	Kukri_c28555_114	124.8
5607	5A	76804	IWA2113	wsnp_Ex_c16295_24772663	133.6
5608	5A	77346	IWA2856	wsnp_Ex_c23968_33209660	133.6
5609	5A	11420	IWB11420	BS00085711_51	133.6
5610	5A	79792	IWA6049	wsnp_JD_c43389_30288993	133.6
5611	5A	78417	IWA4239	wsnp_Ex_c54655_57455562	133.6

5612	5A	77348	IWA2858	wsnp_Ex_c23968_33210208	133.6
5613	5A	77349	IWA2859	wsnp_Ex_c23968_33210344	133.6
5614	5A	65730	IWB65730	TA003720-0955	133.6
5615	5A	77347	IWA2857	wsnp_Ex_c23968_33209733	133.6
5616	5A	80467	IWA7009	wsnp_Ku_c3953_7233359	133.6
5617	5A	75911	IWA821	wsnp_CAP11_c923_558715	133.6
5618	5A	76805	IWA2114	wsnp_Ex_c16295_24772702	133.6
5619	5A	59148	IWB59148	RAC875_c55872_149	133.6
5620	5A	34731	IWB34731	IAAV3527	133.9
5621	5A	15035	IWB15035	CAP8_rep_c4852_130	134.4
5622	5A	15981	IWB15981	D_contig19808_203	135.0
5623	5A	65415	IWB65415	TA001523-1009	135.3
5624	5A	61152	IWB61152	RAC875_c9617_395	135.5
5625	5A	41168	IWB41168	Kukri_c14187_243	135.5
5626	5A	61151	IWB61151	RAC875_c9617_373	135.5
5627	5A	77703	IWA3323	wsnp_Ex_c31154_39982416	136.4
5628	5A	58284	IWB58284	RAC875_c46811_128	136.4
5629	5A	79138	IWA5154	wsnp_Ex_rep_c107017_90850230	136.4
5630	5A	33038	IWB33038	GENE-2725_217	136.4
5631	5A	66080	IWB66080	TA006296-0731	136.4
5632	5A	7052	IWB7052	BS00022378_51	136.4
5633	5A	11676	IWB11676	BS00090847_51	136.4
5634	5A	8349	IWB8349	BS00043676_51	136.4
5635	5A	27941	IWB27941	Excalibur_c60150_107	136.4
5636	5A	5821	IWB5821	BS00003088_51	136.4
5637	5A	2075	IWB2075	BobWhite_c27193_217	136.4
5638	5A	48095	IWB48095	Kukri_c86812_193	136.4
5639	5A	10909	IWB10909	BS00076948_51	136.4
5640	5A	3232	IWB3232	BobWhite_c42349_99	136.4
5641	5A	54225	IWB54225	RAC875_c16137_633	136.9
5642	5A	59300	IWB59300	RAC875_c57603_144	137.2
5643	5A	65128	IWB65128	RFL_Contig5787_2311	137.2
5644	5A	11590	IWB11590	BS00089076_51	137.7
5645	5A	69884	IWB69884	Tdurum_contig29770_177	137.7
5646	5A	80888	IWA7568	wsnp_Ra_c11532_18688426	137.7
5647	5A	990	IWB990	BobWhite_c17045_186	137.7
5648	5A	11245	IWB11245	BS00082219_51	138.0
5649	5A	29171	IWB29171	Excalibur_c8647_252	138.3
5650	5A	2919	IWB2919	BobWhite_c37652_272	138.3
5651	5A	9130	IWB9130	BS00063793_51	140.0
5652	5A	80586	IWA7162	wsnp_Ku_c5445_9668131	140.0
5653	5A	77328	IWA2828	wsnp_Ex_c23689_32927141	140.0
5654	5A	76442	IWA1670	wsnp_Ex_c12684_20157261	140.0
5655	5A	54928	IWB54928	RAC875_c19999_341	140.3
5656	5A	5368	IWB5368	BobWhite_rep_c63332_67	140.6
5657	5A	7282	IWB7282	BS00022838_51	140.6
5658	5A	45943	IWB45943	Kukri_c49033_52	140.6
5659	5A	14661	IWB14661	CAP8_c3064_95	140.6
5660	5A	6827	IWB6827	BS00021968_51	140.6
5661	5A	69108	IWB69108	Tdurum_contig25487_857	141.1
5662	5A	10802	IWB10802	BS00075379_51	141.7
5663	5A	77335	IWA2839	wsnp_Ex_c23795_33033959	0.0
5664	5A	64432	IWB64432	RFL_Contig3629_1465	142.0
5665	5A	4836	IWB4836	BobWhite_rep_c50013_65	142.2

5666	5A	23336	IWB23336	Excalibur_c1954_930	142.2
5667	5A	71385	IWB71385	Tdurum_contig42962_2138	142.2
5668	5A	5178	IWB5178	BobWhite_rep_c57286_122	142.8
5669	5A	7409	IWB7409	BS00023070_51	143.1
5670	5A	13571	IWB13571	CAP12_c956_61	143.9
5671	5A	34800	IWB34800	IAAV3916	143.9
5672	5A	43734	IWB43734	Kukri_c29521_123	143.9
5673	5A	72378	IWB72378	Tdurum_contig54689_646	143.9
5674	5A	75796	IWA649	wsnp_CAP11_c1116_654975	143.9
5675	5A	75795	IWA648	wsnp_CAP11_c1116_654940	143.9
5676	5A	14333	IWB14333	CAP7_c9530_138	144.2
5677	5A	8070	IWB8070	BS00036851_51	144.2
5678	5A	77714	IWA3335	wsnp_Ex_c3136_5798236	144.2
5679	5A	79015	IWA5003	wsnp_Ex_rep_c101323_86702546	145.0
5680	5A	79014	IWA5002	wsnp_Ex_rep_c101323_86702413	145.6
5681	5A	14077	IWB14077	CAP7_c4064_162	150.2
5682	5A	7449	IWB7449	BS00023152_51	150.7
5683	5A	9620	IWB9620	BS00065714_51	151.0
5684	5A	9855	IWB9855	BS00066652_51	151.0
5685	5A	30349	IWB30349	Excalibur_rep_c108520_84	154.7
5686	5A	43227	IWB43227	Kukri_c25994_609	154.7
5687	5A	73634	IWB73634	Tdurum_contig8348_831	155.3
5688	5A	69406	IWB69406	Tdurum_contig28001_110	155.9
5689	5B	28541	IWB28541	Excalibur_c6967_1852	0.0
5690	5B	7564	IWB7564	BS00024992_51	0.0
5691	5B	64852	IWB64852	RFL_Contig4979_965	0.0
5692	5B	47271	IWB47271	Kukri_c65921_274	0.0
5693	5B	28540	IWB28540	Excalibur_c6967_1233	0.0
5694	5B	5398	IWB5398	BobWhite_rep_c63710_181	0.0
5695	5B	6180	IWB6180	BS00010153_51	0.0
5696	5B	28542	IWB28542	Excalibur_c6967_553	0.0
5697	5B	1736	IWB1736	BobWhite_c23714_130	0.0
5698	5B	50052	IWB50052	Kukri_rep_c70770_1937	0.0
5699	5B	7565	IWB7565	BS00024993_51	0.0
5700	5B	25183	IWB25183	Excalibur_c32189_998	0.0
5701	5B	60572	IWB60572	RAC875_c79649_582	3.6
5702	5B	68149	IWB68149	Tdurum_contig14130_245	3.6
5703	5B	78852	IWA4790	wsnp_Ex_c831_1625061	3.6
5704	5B	7137	IWB7137	BS00022525_51	3.6
5705	5B	11318	IWB11318	BS00083715_51	3.6
5706	5B	10074	IWB10074	BS00067550_51	3.6
5707	5B	68150	IWB68150	Tdurum_contig14130_315	3.6
5708	5B	71482	IWB71482	Tdurum_contig44048_276	7.9
5709	5B	58325	IWB58325	RAC875_c47212_309	7.9
5710	5B	73718	IWB73718	Tdurum_contig8695_379	7.9
5711	5B	72326	IWB72326	Tdurum_contig53796_360	7.9
5712	5B	37583	IWB37583	JD_c51907_59	7.9
5713	5B	11140	IWB11140	BS00080746_51	7.9
5714	5B	79689	IWA5891	wsnp_JD_c1845_2564931	7.9
5715	5B	35324	IWB35324	IAAV731	7.9
5716	5B	20597	IWB20597	Ex_c37410_1026	7.9
5717	5B	56396	IWB56396	RAC875_c29907_293	8.4
5718	5B	56395	IWB56395	RAC875_c29907_115	8.4
5719	5B	11067	IWB11067	BS00079185_51	8.4

5720	5B	7035	IWB7035	BS00022336_51	8.4
5721	5B	24915	IWB24915	Excalibur_c29975_333	8.4
5722	5B	33287	IWB33287	GENE-3207_134	9.8
5723	5B	42850	IWB42850	Kukri_c23694_370	9.8
5724	5B	73786	IWB73786	Tdurum_contig92396_380	9.8
5725	5B	9577	IWB9577	BS00065543_51	9.8
5726	5B	21933	IWB21933	Excalibur_c11605_156	10.1
5727	5B	69077	IWB69077	Tdurum_contig25432_1020	11.3
5728	5B	10125	IWB10125	BS00067701_51	11.3
5729	5B	69078	IWB69078	Tdurum_contig25432_1218	11.3
5730	5B	69079	IWB69079	Tdurum_contig25432_1377	11.3
5731	5B	75624	IWA420	wsnp_BF201102B_Ta_2_1	12.1
5732	5B	66121	IWB66121	TA014612-0744	12.1
5733	5B	80631	IWA7223	wsnp_Ku_c64203_64579087	12.1
5734	5B	66134	IWB66134	TA015732-1144	12.1
5735	5B	49399	IWB49399	Kukri_rep_c109397_59	12.1
5736	5B	73191	IWB73191	Tdurum_contig71099_245	12.1
5737	5B	48848	IWB48848	Kukri_rep_c103150_398	14.7
5738	5B	80602	IWA7181	wsnp_Ku_c568_1187615	14.7
5739	5B	14983	IWB14983	CAP8_c909_312	14.7
5740	5B	14332	IWB14332	CAP7_c9506_174	15.3
5741	5B	76070	IWA1144	wsnp_CAP8_c1210_739429	15.3
5742	5B	27819	IWB27819	Excalibur_c58520_78	15.3
5743	5B	14163	IWB14163	CAP7_c5481_96	15.3
5744	5B	77609	IWA3211	wsnp_Ex_c29051_38120784	15.6
5745	5B	77477	IWA3033	wsnp_Ex_c26252_35497729	15.6
5746	5B	47615	IWB47615	Kukri_c74960_427	15.6
5747	5B	7932	IWB7932	BS00033612_51	15.6
5748	5B	80420	IWA6946	wsnp_Ku_c35090_44349446	15.6
5749	5B	62348	IWB62348	RAC875_rep_c116173_605	16.7
5750	5B	26650	IWB26650	Excalibur_c45323_708	16.7
5751	5B	10350	IWB10350	BS00068592_51	17.2
5752	5B	22465	IWB22465	Excalibur_c14594_182	17.2
5753	5B	54368	IWB54368	RAC875_c16827_292	18.4
5754	5B	51376	IWB51376	Ra_c19837_1031	19.2
5755	5B	20310	IWB20310	Ex_c2571_842	19.2
5756	5B	56578	IWB56578	RAC875_c31197_62	19.2
5757	5B	77444	IWA2992	wsnp_Ex_c2571_4784380	19.2
5758	5B	58506	IWB58506	RAC875_c49044_335	19.2
5759	5B	58508	IWB58508	RAC875_c49044_445	19.2
5760	5B	79097	IWA5108	wsnp_Ex_rep_c104041_88855253	19.2
5761	5B	78505	IWA4353	wsnp_Ex_c58012_59490259	19.2
5762	5B	20311	IWB20311	Ex_c2571_987	19.2
5763	5B	35827	IWB35827	IACX20330	19.2
5764	5B	32093	IWB32093	GENE-0782_747	19.2
5765	5B	78447	IWA4282	wsnp_Ex_c5598_9855436	19.2
5766	5B	80684	IWA7300	wsnp_Ku_c7872_13484038	19.2
5767	5B	10728	IWB10728	BS00074315_51	19.5
5768	5B	9675	IWB9675	BS00065930_51	19.5
5769	5B	76684	IWA1965	wsnp_Ex_c1498_2868339	19.5
5770	5B	25964	IWB25964	Excalibur_c38701_537	19.5
5771	5B	34566	IWB34566	IAAV2507	19.5
5772	5B	46117	IWB46117	Kukri_c51_98	19.5
5773	5B	78524	IWA4378	wsnp_Ex_c5915_10378807	19.5

5774	5B	49199	IWB49199	Kukri_rep_c106665_549	19.5
5775	5B	23028	IWB23028	Excalibur_c17843_812	19.5
5776	5B	49174	IWB49174	Kukri_rep_c106411_137	19.5
5777	5B	72886	IWB72886	Tdurum_contig62320_141	19.5
5778	5B	79076	IWA5079	wsnp_Ex_rep_c103024_88075650	19.5
5779	5B	79407	IWA5494	wsnp_Ex_rep_c68091_66846454	19.8
5780	5B	34854	IWB34854	IAAV4252	19.8
5781	5B	76082	IWA1176	wsnp_CAP8_c2693_1401039	19.8
5782	5B	27562	IWB27562	Excalibur_c5540_1197	19.8
5783	5B	816	IWB816	BobWhite_c15585_87	19.8
5784	5B	80104	IWA6521	wsnp_Ku_c14252_22506286	19.8
5785	5B	69536	IWB69536	Tdurum_contig28482_427	19.8
5786	5B	8592	IWB8592	BS00050709_51	19.8
5787	5B	39446	IWB39446	Ku_c439_1308	19.8
5788	5B	71752	IWB71752	Tdurum_contig4708_1648	19.8
5789	5B	80318	IWA6816	wsnp_Ku_c27243_37190781	19.8
5790	5B	76538	IWA1779	wsnp_Ex_c13468_21202450	20.1
5791	5B	33374	IWB33374	GENE-3385_255	20.1
5792	5B	3193	IWB3193	BobWhite_c41725_430	20.1
5793	5B	22696	IWB22696	Excalibur_c15838_305	20.1
5794	5B	80389	IWA6909	wsnp_Ku_c32477_42086760	20.1
5795	5B	36690	IWB36690	Jagger_c6508_51	20.1
5796	5B	80626	IWA7217	wsnp_Ku_c61976_63270478	20.1
5797	5B	34841	IWB34841	IAAV4162	20.1
5798	5B	80390	IWA6910	wsnp_Ku_c32477_42087329	20.1
5799	5B	66052	IWB66052	TA006084-0922	20.1
5800	5B	81189	IWA7988	wsnp_Ra_c5210_9289264	20.1
5801	5B	59100	IWB59100	RAC875_c5518_1401	20.1
5802	5B	34515	IWB34515	IAAV2194	20.1
5803	5B	50091	IWB50091	Kukri_rep_c71114_838	20.1
5804	5B	63922	IWB63922	RFL_Contig2368_1958	20.1
5805	5B	13805	IWB13805	CAP7_c1403_70	20.1
5806	5B	79113	IWA5126	wsnp_Ex_rep_c104986_89538820	20.1
5807	5B	12207	IWB12207	BS00103625_51	20.1
5808	5B	28646	IWB28646	Excalibur_c7286_975	20.1
5809	5B	69058	IWB69058	Tdurum_contig25393_218	20.1
5810	5B	69307	IWB69307	Tdurum_contig27441_373	20.1
5811	5B	9938	IWB9938	BS00067028_51	20.1
5812	5B	5119	IWB5119	BobWhite_rep_c55336_265	20.1
5813	5B	15500	IWB15500	D_contig09110_430	20.7
5814	5B	35306	IWB35306	IAAV7187	22.5
5815	5B	65254	IWB65254	RFL_Contig707_2297	22.5
5816	5B	4337	IWB4337	BobWhite_c7406_394	22.5
5817	5B	81573	IWA8604	wsnp_RFL_Contig4574_5416228	22.5
5818	5B	56366	IWB56366	RAC875_c29665_205	22.5
5819	5B	76076	IWA1155	wsnp_CAP8_c1594_914839	22.5
5820	5B	3400	IWB3400	BobWhite_c44797_294	22.5
5821	5B	58992	IWB58992	RAC875_c53903_318	22.5
5822	5B	42305	IWB42305	Kukri_c20396_3072	22.5
5823	5B	78826	IWA4757	wsnp_Ex_c7988_13555166	22.5
5824	5B	37830	IWB37830	JD_c8050_978	22.5
5825	5B	78889	IWA4836	wsnp_Ex_c8676_14535174	22.5
5826	5B	49609	IWB49609	Kukri_rep_c113387_369	22.5
5827	5B	61863	IWB61863	RAC875_rep_c109210_88	22.5

5828	5B	56814	IWB56814	RAC875_c33156_101	22.5
5829	5B	42078	IWB42078	Kukri_c19116_170	22.5
5830	5B	65840	IWB65840	TA004455-0314	22.5
5831	5B	58047	IWB58047	RAC875_c44540_51	22.5
5832	5B	52106	IWB52106	Ra_c44540_304	22.5
5833	5B	66116	IWB66116	TA013656-0196	22.5
5834	5B	6012	IWB6012	BS00007437_51	22.5
5835	5B	33591	IWB33591	GENE-3763_35	22.5
5836	5B	77494	IWA3056	wsnp_Ex_c26616_35855805	22.5
5837	5B	76914	IWA2257	wsnp_Ex_c17768_26519434	22.5
5838	5B	48707	IWB48707	Kukri_rep_c101981_260	22.5
5839	5B	33424	IWB33424	GENE-3499_134	22.5
5840	5B	35163	IWB35163	IAAV6189	22.5
5841	5B	29025	IWB29025	Excalibur_c8224_1447	22.5
5842	5B	11753	IWB11753	BS00092354_51	22.5
5843	5B	31404	IWB31404	Excalibur_rep_c91489_103	22.5
5844	5B	34529	IWB34529	IAAV2293	22.5
5845	5B	79512	IWA5634	wsnp_Ex_rep_c69760_68719014	22.5
5846	5B	44326	IWB44326	Kukri_c34434_1037	22.5
5847	5B	37799	IWB37799	JD_c7452_825	22.5
5848	5B	81442	IWA8378	wsnp_RFL_Contig2731_2449789	22.5
5849	5B	30637	IWB30637	Excalibur_rep_c113602_93	22.5
5850	5B	45426	IWB45426	Kukri_c44284_80	22.5
5851	5B	52230	IWB52230	Ra_c53208_433	22.5
5852	5B	9850	IWB9850	BS00066628_51	22.5
5853	5B	12549	IWB12549	BS00110489_51	22.8
5854	5B	21107	IWB21107	Ex_c67244_1229	22.8
5855	5B	79369	IWA5440	wsnp_Ex_rep_c67690_66354931	22.8
5856	5B	13269	IWB13269	CAP12_c2009_335	22.8
5857	5B	36491	IWB36491	Jagger_c249_279	22.8
5858	5B	36643	IWB36643	Jagger_c5539_105	22.8
5859	5B	78245	IWA4015	wsnp_Ex_c48257_53217539	22.8
5860	5B	81553	IWA8569	wsnp_RFL_Contig4207_4836784	22.8
5861	5B	79368	IWA5439	wsnp_Ex_rep_c67690_66354791	22.8
5862	5B	68299	IWB68299	Tdurum_contig14784_676	22.8
5863	5B	47295	IWB47295	Kukri_c6633_674	22.8
5864	5B	35388	IWB35388	IAAV7800	22.8
5865	5B	10925	IWB10925	BS00077423_51	22.8
5866	5B	71274	IWB71274	Tdurum_contig42527_298	22.8
5867	5B	10657	IWB10657	BS00073261_51	23.4
5868	5B	41816	IWB41816	Kukri_c17783_58	23.4
5869	5B	44691	IWB44691	Kukri_c37442_662	23.4
5870	5B	5805	IWB5805	BS00002191_51	23.4
5871	5B	44690	IWB44690	Kukri_c37442_1002	23.4
5872	5B	42745	IWB42745	Kukri_c23070_350	23.4
5873	5B	77164	IWA2597	wsnp_Ex_c2132_4006417	23.4
5874	5B	66093	IWB66093	TA008675-0589	23.4
5875	5B	77163	IWA2596	wsnp_Ex_c2132_4004831	23.4
5876	5B	20936	IWB20936	Ex_c5632_778	23.4
5877	5B	44611	IWB44611	Kukri_c36789_230	23.4
5878	5B	78462	IWA4300	wsnp_Ex_c5632_9904112	23.4
5879	5B	14580	IWB14580	CAP8_c1968_64	23.6
5880	5B	70531	IWB70531	Tdurum_contig35291_134	23.6
5881	5B	78354	IWA4158	wsnp_Ex_c53011_56395185	23.6

5882	5B	47892	IWB47892	Kukri_c8168_290	23.6
5883	5B	65517	IWB65517	TA002230-0886	23.6
5884	5B	58307	IWB58307	RAC875_c47060_61	23.6
5885	5B	80665	IWA7272	wsnp_Ku_c7199_12444840	23.6
5886	5B	26138	IWB26138	Excalibur_c40439_75	23.6
5887	5B	34781	IWB34781	IAAV3825	23.6
5888	5B	4516	IWB4516	BobWhite_c8764_219	23.6
5889	5B	21305	IWB21305	Ex_c7603_1315	23.6
5890	5B	81201	IWA8005	wsnp_Ra_c5634_9952011	23.6
5891	5B	78005	IWA3706	wsnp_Ex_c40022_47169698	23.6
5892	5B	27987	IWB27987	Excalibur_c60683_908	23.6
5893	5B	78553	IWA4414	wsnp_Ex_c60683_61038062	23.6
5894	5B	78006	IWA3707	wsnp_Ex_c40022_47169752	23.6
5895	5B	35584	IWB35584	IAAV9048	23.6
5896	5B	13201	IWB13201	CAP12_c1419_574	23.6
5897	5B	7200	IWB7200	BS00022662_51	23.6
5898	5B	6899	IWB6899	BS00022086_51	23.6
5899	5B	26887	IWB26887	Excalibur_c4765_1557	23.6
5900	5B	20644	IWB20644	Ex_c40022_873	23.6
5901	5B	24999	IWB24999	Excalibur_c30667_102	24.5
5902	5B	69519	IWB69519	Tdurum_contig28408_340	24.7
5903	5B	74026	IWB74026	Tdurum_contig98095_134	24.7
5904	5B	8505	IWB8505	BS00048572_51	24.7
5905	5B	12463	IWB12463	BS00110064_51	24.7
5906	5B	70100	IWB70100	Tdurum_contig30729_263	24.7
5907	5B	24957	IWB24957	Excalibur_c30346_54	24.7
5908	5B	80634	IWA7227	wsnp_Ku_c6464_11320381	24.7
5909	5B	12348	IWB12348	BS00108062_51	24.7
5910	5B	67284	IWB67284	Tdurum_contig11757_575	24.7
5911	5B	71914	IWB71914	Tdurum_contig48658_802	25.0
5912	5B	70171	IWB70171	Tdurum_contig31131_198	25.0
5913	5B	71912	IWB71912	Tdurum_contig48658_1022	25.0
5914	5B	45956	IWB45956	Kukri_c49151_139	25.0
5915	5B	78560	IWA4422	wsnp_Ex_c6100_10676217	25.0
5916	5B	25222	IWB25222	Excalibur_c32630_104	27.0
5917	5B	55844	IWB55844	RAC875_c25756_279	27.0
5918	5B	44988	IWB44988	Kukri_c40046_237	33.3
5919	5B	61034	IWB61034	RAC875_c9150_2945	33.3
5920	5B	24022	IWB24022	Excalibur_c23709_358	33.3
5921	5B	34986	IWB34986	IAAV52	33.3
5922	5B	24023	IWB24023	Excalibur_c23709_938	33.3
5923	5B	65250	IWB65250	RFL_Contig697_1463	33.3
5924	5B	40368	IWB40368	Kukri_c10530_1013	33.3
5925	5B	76213	IWA1380	wsnp_Ex_c10674_17400603	33.3
5926	5B	24385	IWB24385	Excalibur_c25948_366	33.3
5927	5B	35160	IWB35160	IAAV6174	33.3
5928	5B	40369	IWB40369	Kukri_c10530_1044	33.3
5929	5B	66815	IWB66815	Tdurum_contig10911_155	33.3
5930	5B	65958	IWB65958	TA005322-0586	33.3
5931	5B	63206	IWB63206	RAC875_rep_c83825_236	33.5
5932	5B	47848	IWB47848	Kukri_c805_325	34.4
5933	5B	11879	IWB11879	BS00094480_51	34.4
5934	5B	49648	IWB49648	Kukri_rep_c114331_346	35.2
5935	5B	5390	IWB5390	BobWhite_rep_c63648_306	35.2

5936	5B	37690	IWB37690	JD_c63005_896	35.2
5937	5B	20326	IWB20326	Ex_c2615_564	35.2
5938	5B	40314	IWB40314	Kukri_c10296_1074	35.2
5939	5B	40315	IWB40315	Kukri_c10296_1512	35.2
5940	5B	72937	IWB72937	Tdurum_contig63161_121	35.2
5941	5B	79997	IWA6383	wsnp_Ku_c10296_17072695	35.2
5942	5B	80355	IWA6867	wsnp_Ku_c29780_39658445	35.2
5943	5B	77471	IWA3025	wsnp_Ex_c2615_4862266	35.2
5944	5B	57415	IWB57415	RAC875_c38511_91	35.2
5945	5B	78220	IWA3985	wsnp_Ex_c47152_52446529	35.2
5946	5B	40681	IWB40681	Kukri_c11815_706	35.2
5947	5B	79247	IWA5283	wsnp_Ex_rep_c66667_64981526	35.2
5948	5B	78289	IWA4074	wsnp_Ex_c50413_54706626	35.2
5949	5B	38178	IWB38178	Ku_c1083_1314	35.8
5950	5B	40845	IWB40845	Kukri_c12562_453	35.8
5951	5B	22738	IWB22738	Excalibur_c16135_253	35.8
5952	5B	38179	IWB38179	Ku_c1083_375	35.8
5953	5B	32971	IWB32971	GENE-2550_181	35.8
5954	5B	77055	IWA2453	wsnp_Ex_c19724_28720939	35.8
5955	5B	80060	IWA6468	wsnp_Ku_c12562_20256747	35.8
5956	5B	77056	IWA2454	wsnp_Ex_c19724_28721128	35.8
5957	5B	65086	IWB65086	RFL_Contig570_515	35.8
5958	5B	38177	IWB38177	Ku_c1083_1261	35.8
5959	5B	73106	IWB73106	Tdurum_contig68343_339	35.8
5960	5B	70679	IWB70679	Tdurum_contig41907_1014	35.8
5961	5B	76208	IWA1374	wsnp_Ex_c10644_17356566	35.8
5962	5B	72578	IWB72578	Tdurum_contig57403_311	36.3
5963	5B	28823	IWB28823	Excalibur_c76979_970	36.3
5964	5B	45662	IWB45662	Kukri_c46476_551	36.3
5965	5B	55641	IWB55641	RAC875_c2437_1569	36.3
5966	5B	9767	IWB9767	BS00066289_51	36.3
5967	5B	55646	IWB55646	RAC875_c24376_704	36.3
5968	5B	65241	IWB65241	RFL_Contig658_1166	36.3
5969	5B	66311	IWB66311	Tdurum_contig10172_176	36.3
5970	5B	66469	IWB66469	Tdurum_contig10338_566	36.3
5971	5B	73111	IWB73111	Tdurum_contig68472_291	36.3
5972	5B	75518	IWA265	wsnp_BE495277B_Ta_2_5	36.3
5973	5B	45559	IWB45559	Kukri_c45713_151	36.3
5974	5B	57484	IWB57484	RAC875_c39141_55	36.3
5975	5B	57882	IWB57882	RAC875_c4287_2984	36.3
5976	5B	21641	IWB21641	Excalibur_c10444_2056	36.3
5977	5B	73110	IWB73110	Tdurum_contig68472_115	36.3
5978	5B	73416	IWB73416	Tdurum_contig77275_259	36.3
5979	5B	72579	IWB72579	Tdurum_contig57403_589	36.3
5980	5B	45663	IWB45663	Kukri_c46476_647	36.3
5981	5B	54612	IWB54612	RAC875_c18106_421	36.6
5982	5B	66934	IWB66934	Tdurum_contig11113_985	36.6
5983	5B	35031	IWB35031	IAAV547	37.5
5984	5B	13747	IWB13747	CAP7_c1155_57	41.7
5985	5B	20925	IWB20925	Ex_c5594_2630	41.7
5986	5B	54773	IWB54773	RAC875_c19099_434	41.7
5987	5B	54772	IWB54772	RAC875_c19099_308	41.7
5988	5B	33476	IWB33476	GENE-3574_643	41.7
5989	5B	8298	IWB8298	BS00042014_51	41.7

5990	5B	54653	IWB54653	RAC875_c18335_443	42.5
5991	5B	6144	IWB6144	BS00009987_51	42.5
5992	5B	26788	IWB26788	Excalibur_c4656_168	42.5
5993	5B	35215	IWB35215	IAAV659	42.5
5994	5B	31745	IWB31745	GENE-0209_733	42.5
5995	5B	28901	IWB28901	Excalibur_c79041_63	42.5
5996	5B	47922	IWB47922	Kukri_c82296_367	42.5
5997	5B	34489	IWB34489	IAAV2002	42.5
5998	5B	35784	IWB35784	IACX17304	42.5
5999	5B	42881	IWB42881	Kukri_c23894_464	42.5
6000	5B	57803	IWB57803	RAC875_c42009_247	42.5
6001	5B	63903	IWB63903	RFL_Contig2304_1569	43.1
6002	5B	10479	IWB10479	BS00070613_51	43.1
6003	5B	48402	IWB48402	Kukri_c95103_97	43.1
6004	5B	35563	IWB35563	IAAV8929	43.1
6005	5B	982	IWB982	BobWhite_c16987_106	43.4
6006	5B	7364	IWB7364	BS00022999_51	43.4
6007	5B	31288	IWB31288	Excalibur_rep_c78514_400	43.4
6008	5B	41225	IWB41225	Kukri_c14564_1108	43.4
6009	5B	4204	IWB4204	BobWhite_c6633_240	43.4
6010	5B	34364	IWB34364	IAAV1358	43.4
6011	5B	22494	IWB22494	Excalibur_c14753_899	43.4
6012	5B	60388	IWB60388	RAC875_c7585_1097	43.4
6013	5B	5915	IWB5915	BS00003879_51	43.4
6014	5B	36091	IWB36091	IACX6009	43.4
6015	5B	59362	IWB59362	RAC875_c58316_428	43.4
6016	5B	44284	IWB44284	Kukri_c34173_518	43.4
6017	5B	47164	IWB47164	Kukri_c64573_443	43.4
6018	5B	8427	IWB8427	BS00046512_51	43.4
6019	5B	29576	IWB29576	Excalibur_c97089_263	43.4
6020	5B	53032	IWB53032	RAC875_c10394_828	43.4
6021	5B	65688	IWB65688	TA003435-0313	43.4
6022	5B	65106	IWB65106	RFL_Contig5739_1542	43.4
6023	5B	4206	IWB4206	BobWhite_c6633_395	43.4
6024	5B	60155	IWB60155	RAC875_c68097_62	43.4
6025	5B	80247	IWA6721	wsnp_Ku_c2185_4218722	43.4
6026	5B	3630	IWB3630	BobWhite_c47964_969	43.4
6027	5B	65107	IWB65107	RFL_Contig5739_641	43.4
6028	5B	62712	IWB62712	RAC875_rep_c70643_107	43.4
6029	5B	5301	IWB5301	BobWhite_rep_c62475_70	43.4
6030	5B	4207	IWB4207	BobWhite_c6633_476	43.4
6031	5B	3615	IWB3615	BobWhite_c4773_85	43.4
6032	5B	79836	IWA6112	wsnp_JD_c5795_6955627	43.4
6033	5B	5567	IWB5567	BobWhite_rep_c65835_277	43.4
6034	5B	35154	IWB35154	IAAV6140	43.4
6035	5B	45713	IWB45713	Kukri_c46932_155	43.4
6036	5B	29731	IWB29731	Excalibur_rep_c101527_180	43.4
6037	5B	45399	IWB45399	Kukri_c43972_367	43.4
6038	5B	56499	IWB56499	RAC875_c30584_75	43.4
6039	5B	50323	IWB50323	Kukri_rep_c75841_121	43.4
6040	5B	66159	IWB66159	Tdurum_contig100174_60	43.4
6041	5B	69885	IWB69885	Tdurum_contig29771_76	47.0
6042	5B	25367	IWB25367	Excalibur_c33675_410	59.1
6043	5B	10362	IWB10362	BS00068805_51	59.1

6044	5B	7745	IWB7745	BS00029869_51	59.1
6045	5B	78854	IWA4793	wsnp_Ex_c8322_14030310	59.1
6046	5B	6687	IWB6687	BS00020982_51	59.1
6047	5B	70159	IWB70159	Tdurum_contig31075_260	59.1
6048	5B	10167	IWB10167	BS00067841_51	59.1
6049	5B	76945	IWA2306	wsnp_Ex_c1838_3461594	59.1
6050	5B	38237	IWB38237	Ku_c11429_519	59.1
6051	5B	6516	IWB6516	BS00012038_51	59.1
6052	5B	25366	IWB25366	Excalibur_c33675_201	59.1
6053	5B	72969	IWB72969	Tdurum_contig63997_587	59.1
6054	5B	80053	IWA6459	wsnp_Ku_c12464_20125626	59.7
6055	5B	2723	IWB2723	BobWhite_c34759_227	59.9
6056	5B	3693	IWB3693	BobWhite_c48730_575	59.9
6057	5B	12416	IWB12416	BS00109560_51	59.9
6058	5B	46909	IWB46909	Kukri_c6113_189	59.9
6059	5B	5476	IWB5476	BobWhite_rep_c64527_134	59.9
6060	5B	49876	IWB49876	Kukri_rep_c69276_59	59.9
6061	5B	72302	IWB72302	Tdurum_contig53072_1935	59.9
6062	5B	53035	IWB53035	RAC875_c103988_92	59.9
6063	5B	72624	IWB72624	Tdurum_contig58669_273	60.8
6064	5B	10018	IWB10018	BS00067328_51	61.6
6065	5B	39412	IWB39412	Ku_c4240_216	62.2
6066	5B	69410	IWB69410	Tdurum_contig28016_254	62.2
6067	5B	6424	IWB6424	BS00011514_51	62.8
6068	5B	81457	IWA8395	wsnp_RFL_Contig2809_2587619	62.8
6069	5B	22029	IWB22029	Excalibur_c12048_1756	63.9
6070	5B	21097	IWB21097	Ex_c67086_584	63.9
6071	5B	35480	IWB35480	IAAV8463	63.9
6072	5B	2786	IWB2786	BobWhite_c3552_1303	63.9
6073	5B	76370	IWA1577	wsnp_Ex_c12048_19288999	63.9
6074	5B	32852	IWB32852	GENE-2239_795	63.9
6075	5B	81004	IWA7733	wsnp_Ra_c20970_30293227	63.9
6076	5B	56628	IWB56628	RAC875_c31614_450	63.9
6077	5B	2787	IWB2787	BobWhite_c3552_1588	63.9
6078	5B	81003	IWA7732	wsnp_Ra_c20970_30293078	63.9
6079	5B	66067	IWB66067	TA006199-1015	63.9
6080	5B	34518	IWB34518	IAAV2219	63.9
6081	5B	58682	IWB58682	RAC875_c50755_244	63.9
6082	5B	51408	IWB51408	Ra_c20970_500	63.9
6083	5B	34511	IWB34511	IAAV2160	63.9
6084	5B	29442	IWB29442	Excalibur_c9391_1016	64.4
6085	5B	31717	IWB31717	GENE-0168_7	64.7
6086	5B	65012	IWB65012	RFL_Contig5461_683	64.7
6087	5B	7415	IWB7415	BS00023077_51	64.7
6088	5B	27379	IWB27379	Excalibur_c5329_1335	65.3
6089	5B	40210	IWB40210	Kukri_c10016_369	66.1
6090	5B	46235	IWB46235	Kukri_c52257_991	66.7
6091	5B	11984	IWB11984	BS00097066_51	66.7
6092	5B	60268	IWB60268	RAC875_c7011_435	66.7
6093	5B	49340	IWB49340	Kukri_rep_c108378_52	66.7
6094	5B	230	IWB230	BobWhite_c11495_120	66.9
6095	5B	7441	IWB7441	BS00023139_51	66.9
6096	5B	64998	IWB64998	RFL_Contig539_1789	66.9
6097	5B	67069	IWB67069	Tdurum_contig11411_100	67.5

6098	5B	65348	IWB65348	TA001138-0446	68.4
6099	5B	6003	IWB6003	BS00005860_51	69.2
6100	5B	36364	IWB36364	IACX9238	69.5
6101	5B	6245	IWB6245	BS00010573_51	69.5
6102	5B	76276	IWA1460	wsnp_Ex_c11265_18216936	69.5
6103	5B	69502	IWB69502	Tdurum_contig28353_1110	71.8
6104	5B	54309	IWB54309	RAC875_c16536_80	73.2
6105	5B	6641	IWB6641	BS00017233_51	73.2
6106	5B	7213	IWB7213	BS00022689_51	73.5
6107	5B	7405	IWB7405	BS00023064_51	74.1
6108	5B	68074	IWB68074	Tdurum_contig13773_321	74.1
6109	5B	73174	IWB73174	Tdurum_contig70554_1004	75.2
6110	5B	73175	IWB73175	Tdurum_contig70554_1006	75.2
6111	5B	36025	IWB36025	IACX5792	75.2
6112	5B	29637	IWB29637	Excalibur_c9868_1206	75.2
6113	5B	5858	IWB5858	BS00003655_51	75.2
6114	5B	64048	IWB64048	RFL_Contig2772_1693	75.2
6115	5B	71849	IWB71849	Tdurum_contig47833_484	75.2
6116	5B	68186	IWB68186	Tdurum_contig14326_597	75.8
6117	5B	71390	IWB71390	Tdurum_contig43078_437	75.8
6118	5B	6889	IWB6889	BS00022065_51	75.8
6119	5B	21051	IWB21051	Ex_c6571_224	76.1
6120	5B	72182	IWB72182	Tdurum_contig51422_127	78.3
6121	5B	80289	IWA6779	wsnp_Ku_c25613_35580381	78.3
6122	5B	73678	IWB73678	Tdurum_contig85060_121	78.3
6123	5B	69164	IWB69164	Tdurum_contig25692_435	78.6
6124	5B	8086	IWB8086	BS00037104_51	78.6
6125	5B	73902	IWB73902	Tdurum_contig94033_717	78.6
6126	5B	67067	IWB67067	Tdurum_contig11399_221	78.6
6127	5B	73901	IWB73901	Tdurum_contig94033_487	78.6
6128	5B	4061	IWB4061	BobWhite_c6017_1096	78.6
6129	5B	8085	IWB8085	BS00037103_51	78.6
6130	5B	4062	IWB4062	BobWhite_c6017_1147	78.6
6131	5B	45589	IWB45589	Kukri_c45951_367	78.6
6132	5B	6823	IWB6823	BS00021960_51	79.4
6133	5B	73511	IWB73511	Tdurum_contig81548_426	79.4
6134	5B	70781	IWB70781	Tdurum_contig42069_208	81.7
6135	5B	71831	IWB71831	Tdurum_contig47627_442	84.0
6136	5B	47014	IWB47014	Kukri_c62719_188	84.3
6137	5B	79795	IWA6053	wsnp_JD_c4372_5494161	84.3
6138	5B	26219	IWB26219	Excalibur_c41369_258	84.3
6139	5B	423	IWB423	BobWhite_c12883_272	84.3
6140	5B	73991	IWB73991	Tdurum_contig97407_196	84.3
6141	5B	35993	IWB35993	IACX546	84.6
6142	5B	64707	IWB64707	RFL_Contig4520_749	84.6
6143	5B	73816	IWB73816	Tdurum_contig92805_92	84.6
6144	5B	73815	IWB73815	Tdurum_contig92805_226	84.6
6145	5B	73814	IWB73814	Tdurum_contig92805_192	84.6
6146	5B	72680	IWB72680	Tdurum_contig59729_196	84.8
6147	5B	72681	IWB72681	Tdurum_contig59729_272	84.8
6148	5B	12511	IWB12511	BS00110293_51	85.1
6149	5B	6980	IWB6980	BS00022231_51	85.1
6150	5B	7105	IWB7105	BS00022477_51	85.1
6151	5B	36134	IWB36134	IACX6288	85.1

6152	5B	72666	IWB72666	Tdurum_contig59606_1754	85.1
6153	5B	7744	IWB7744	BS00029852_51	85.1
6154	5B	72667	IWB72667	Tdurum_contig59606_2411	85.1
6155	5B	71387	IWB71387	Tdurum_contig43012_1520	85.1
6156	5B	162	IWB162	BobWhite_c11038_605	85.1
6157	5B	75132	IWB75132	tplb0057d20_531	85.1
6158	5B	64600	IWB64600	RFL_Contig4167_1164	85.1
6159	5B	73499	IWB73499	Tdurum_contig81373_116	85.1
6160	5B	8083	IWB8083	BS00037023_51	85.1
6161	5B	3521	IWB3521	BobWhite_c46573_367	85.4
6162	5B	2125	IWB2125	BobWhite_c2767_72	86.8
6163	5B	11985	IWB11985	BS00097105_51	86.8
6164	5B	2969	IWB2969	BobWhite_c38408_71	86.8
6165	5B	47938	IWB47938	Kukri_c8267_88	86.8
6166	5B	73524	IWB73524	Tdurum_contig8171_1680	86.8
6167	5B	73523	IWB73523	Tdurum_contig8171_1602	86.8
6168	5B	73526	IWB73526	Tdurum_contig8171_1772	86.8
6169	5B	73525	IWB73525	Tdurum_contig8171_1712	86.8
6170	5B	49556	IWB49556	Kukri_rep_c112425_98	86.8
6171	5B	73522	IWB73522	Tdurum_contig8171_1548	86.8
6172	5B	73527	IWB73527	Tdurum_contig8171_1783	86.8
6173	5B	60224	IWB60224	RAC875_c6890_150	86.8
6174	5B	8583	IWB8583	BS00050057_51	86.8
6175	5B	6532	IWB6532	BS00012140_51	92.2
6176	5B	71624	IWB71624	Tdurum_contig45588_730	92.2
6177	5B	56345	IWB56345	RAC875_c29488_56	92.8
6178	5B	70546	IWB70546	Tdurum_contig35470_227	92.8
6179	5B	8173	IWB8173	BS00039487_51	92.8
6180	5B	78209	IWA3972	wsnp_Ex_c46494_51987109	92.8
6181	5B	12043	IWB12043	BS00098520_51	93.3
6182	5B	5837	IWB5837	BS00003586_51	93.3
6183	5B	50470	IWB50470	Kukri_rep_c89008_974	93.3
6184	5B	71748	IWB71748	Tdurum_contig47033_241	93.3
6185	5B	71749	IWB71749	Tdurum_contig47033_367	93.3
6186	5B	76360	IWA1564	wsnp_Ex_c11951_19164786	93.6
6187	5B	73180	IWB73180	Tdurum_contig70651_234	93.6
6188	5B	26671	IWB26671	Excalibur_c45488_148	93.6
6189	5B	52117	IWB52117	Ra_c45135_456	93.6
6190	5B	73548	IWB73548	Tdurum_contig8210_317	93.9
6191	5B	68167	IWB68167	Tdurum_contig14200_240	93.9
6192	5B	71491	IWB71491	Tdurum_contig44115_720	93.9
6193	5B	71489	IWB71489	Tdurum_contig44115_405	93.9
6194	5B	11579	IWB11579	BS00088733_51	93.9
6195	5B	71820	IWB71820	Tdurum_contig47512_576	93.9
6196	5B	71488	IWB71488	Tdurum_contig44115_132	93.9
6197	5B	71490	IWB71490	Tdurum_contig44115_561	93.9
6198	5B	71818	IWB71818	Tdurum_contig47512_1124	93.9
6199	5B	7308	IWB7308	BS00022886_51	93.9
6200	5B	71821	IWB71821	Tdurum_contig47512_972	93.9
6201	5B	59686	IWB59686	RAC875_c62400_267	93.9
6202	5B	59688	IWB59688	RAC875_c62400_840	93.9
6203	5B	73833	IWB73833	Tdurum_contig92938_632	93.9
6204	5B	59689	IWB59689	RAC875_c62400_924	93.9
6205	5B	65531	IWB65531	TA002298-1315	93.9

6206	5B	44481	IWB44481	Kukri_c3576_1212	93.9
6207	5B	71819	IWB71819	Tdurum_contig47512_1217	93.9
6208	5B	59687	IWB59687	RAC875_c62400_639	93.9
6209	5B	62048	IWB62048	RAC875_rep_c111379_703	93.9
6210	5B	64466	IWB64466	RFL_Contig372_339	94.2
6211	5B	11392	IWB11392	BS00084907_51	94.5
6212	5B	6924	IWB6924	BS00022139_51	94.5
6213	5B	7556	IWB7556	BS00024814_51	94.7
6214	5B	12106	IWB12106	BS00099986_51	94.7
6215	5B	48112	IWB48112	Kukri_c87328_116	95.0
6216	5B	72617	IWB72617	Tdurum_contig58293_582	95.6
6217	5B	72615	IWB72615	Tdurum_contig58293_437	95.6
6218	5B	72616	IWB72616	Tdurum_contig58293_440	95.6
6219	5B	72618	IWB72618	Tdurum_contig58293_755	95.6
6220	5B	27453	IWB27453	Excalibur_c54134_84	95.6
6221	5B	5599	IWB5599	BobWhite_rep_c66196_464	95.6
6222	5B	63462	IWB63462	RAC875_s117042_147	95.6
6223	5B	8195	IWB8195	BS00039874_51	95.6
6224	5B	74041	IWB74041	Tdurum_contig98477_350	95.6
6225	5B	26458	IWB26458	Excalibur_c43534_878	96.1
6226	5B	29437	IWB29437	Excalibur_c9370_944	97.6
6227	5B	764	IWB764	BobWhite_c15241_604	103.0
6228	5B	9523	IWB9523	BS00065352_51	103.0
6229	5B	3327	IWB3327	BobWhite_c43731_313	103.3
6230	5B	71986	IWB71986	Tdurum_contig49583_669	103.3
6231	5B	64985	IWB64985	RFL_Contig5337_1453	103.3
6232	5B	69394	IWB69394	Tdurum_contig27973_306	103.3
6233	5B	56115	IWB56115	RAC875_c278_1801	103.3
6234	5B	9652	IWB9652	BS00065864_51	104.7
6235	5B	26719	IWB26719	Excalibur_c46000_203	105.0
6236	5B	27497	IWB27497	Excalibur_c54637_123	109.2
6237	5B	40757	IWB40757	Kukri_c1214_544	109.8
6238	5B	40755	IWB40755	Kukri_c1214_437	109.8
6239	5B	77733	IWA3359	wsnp_Ex_c3175_5864335	109.8
6240	5B	40759	IWB40759	Kukri_c1214_948	109.8
6241	5B	79940	IWA6271	wsnp_JD_rep_c50403_34392266	109.8
6242	5B	65055	IWB65055	RFL_Contig5616_1779	109.8
6243	5B	77734	IWA3360	wsnp_Ex_c3175_5864594	109.8
6244	5B	40750	IWB40750	Kukri_c1214_2247	109.8
6245	5B	77732	IWA3358	wsnp_Ex_c3175_5864291	109.8
6246	5B	40754	IWB40754	Kukri_c1214_2686	109.8
6247	5B	63871	IWB63871	RFL_Contig2219_1304	109.8
6248	5B	46814	IWB46814	Kukri_c59657_805	109.8
6249	5B	23974	IWB23974	Excalibur_c23452_401	109.8
6250	5B	46237	IWB46237	Kukri_c5228_1011	109.8
6251	5B	4387	IWB4387	BobWhite_c7818_278	110.3
6252	5B	24417	IWB24417	Excalibur_c2618_1412	110.6
6253	5B	74021	IWB74021	Tdurum_contig97942_51	110.6
6254	5B	74020	IWB74020	Tdurum_contig97942_163	110.6
6255	5B	24418	IWB24418	Excalibur_c2618_1723	110.6
6256	5B	28628	IWB28628	Excalibur_c72450_483	111.7
6257	5B	29462	IWB29462	Excalibur_c94390_60	115.6
6258	5B	10359	IWB10359	BS00068775_51	115.6
6259	5B	66258	IWB66258	Tdurum_contig10100_659	116.2

6260	5B	72674	IWB72674	Tdurum_contig59667_225	116.2
6261	5B	28602	IWB28602	Excalibur_c71712_180	116.2
6262	5B	64287	IWB64287	RFL_Contig3285_1009	116.4
6263	5B	29686	IWB29686	Excalibur_rep_c100012_1145	117.6
6264	5B	73352	IWB73352	Tdurum_contig76150_816	117.6
6265	5B	25477	IWB25477	Excalibur_c34579_263	117.6
6266	5B	61646	IWB61646	RAC875_rep_c106941_128	117.6
6267	5B	79637	IWA5802	wsnp_JD_c12221_12509932	117.6
6268	5B	78486	IWA4329	wsnp_Ex_c57209_59016692	117.6
6269	5B	39994	IWB39994	Ku_c7546_861	117.6
6270	5B	28158	IWB28158	Excalibur_c62990_114	117.6
6271	5B	47640	IWB47640	Kukri_c7546_3035	117.6
6272	5B	54957	IWB54957	RAC875_c20161_821	117.6
6273	5B	64061	IWB64061	RFL_Contig2791_1541	117.6
6274	5B	79638	IWA5803	wsnp_JD_c12221_12509984	117.6
6275	5B	71272	IWB71272	Tdurum_contig42526_73	117.6
6276	5B	40466	IWB40466	Kukri_c10913_480	117.6
6277	5B	11015	IWB11015	BS00078515_51	118.1
6278	5B	46089	IWB46089	Kukri_c50720_397	118.1
6279	5B	54609	IWB54609	RAC875_c18094_69	118.1
6280	5B	23976	IWB23976	Excalibur_c23457_225	118.1
6281	5B	78940	IWA4903	wsnp_Ex_c9362_15546626	118.1
6282	5B	28598	IWB28598	Excalibur_c71602_591	130.3
6283	5B	29548	IWB29548	Excalibur_c96435_216	130.3
6284	5B	28597	IWB28597	Excalibur_c71602_420	130.3
6285	5B	29164	IWB29164	Excalibur_c86388_413	130.3
6286	5B	80146	IWA6578	wsnp_Ku_c16116_24914991	130.6
6287	5B	26850	IWB26850	Excalibur_c47234_1012	130.6
6288	5B	24987	IWB24987	Excalibur_c30587_599	130.6
6289	5B	61527	IWB61527	RAC875_rep_c105927_650	130.6
6290	5B	77228	IWA2682	wsnp_Ex_c2207_4136036	130.6
6291	5B	45643	IWB45643	Kukri_c46310_84	130.6
6292	5B	47085	IWB47085	Kukri_c637_1679	130.6
6293	5B	47089	IWB47089	Kukri_c637_583	130.6
6294	5B	77227	IWA2681	wsnp_Ex_c2207_4135530	130.6
6295	5B	44679	IWB44679	Kukri_c3734_400	130.6
6296	5B	44680	IWB44680	Kukri_c3734_438	130.6
6297	5B	46556	IWB46556	Kukri_c55885_110	130.6
6298	5B	46557	IWB46557	Kukri_c55885_139	130.6
6299	5B	47087	IWB47087	Kukri_c637_517	130.6
6300	5B	47090	IWB47090	Kukri_c637_827	130.6
6301	5B	47091	IWB47091	Kukri_c637_974	130.6
6302	5D	5730	IWB5730	BobWhite_s67669_117	0.0
6303	5D	5734	IWB5734	BS00000020_51	0.0
6304	5D	780	IWB780	BobWhite_c15390_95	0.0
6305	5D	15785	IWB15785	D_contig15408_376	0.9
6306	5D	6100	IWB6100	BS00009699_51	3.8
6307	5D	15297	IWB15297	D_contig04203_490	4.4
6308	5D	16748	IWB16748	D_contig38148_212	5.5
6309	5D	81512	IWA8499	wsnp_RFL_Contig3661_3867818	5.8
6310	5D	18626	IWB18626	D_GBUVHFX01D3ZGK_243	6.1
6311	5D	57782	IWB57782	RAC875_c41830_186	8.1
6312	5D	63046	IWB63046	RAC875_rep_c74985_362	8.1
6313	5D	35558	IWB35558	IAAV8896	8.6

6314	5D	45153	IWB45153	Kukri_c4158_753	8.6
6315	5D	42321	IWB42321	Kukri_c20444_1238	8.6
6316	5D	52486	IWB52486	Ra_c6993_1750	10.7
6317	5D	16805	IWB16805	D_contig47905_414	11.0
6318	5D	25818	IWB25818	Excalibur_c37393_75	13.1
6319	5D	16123	IWB16123	D_contig23016_198	13.6
6320	5D	6703	IWB6703	BS00021670_51	13.9
6321	5D	4166	IWB4166	BobWhite_c6444_66	13.9
6322	5D	80654	IWA7254	wsnp_Ku_c6950_12032896	14.5
6323	5D	81460	IWA8400	wsnp_RFL_Contig2840_2647753	14.5
6324	5D	16728	IWB16728	D_contig37534_218	14.5
6325	5D	18848	IWB18848	D_GCE8AKX01EN4D2_337	15.0
6326	5D	16856	IWB16856	D_contig52724_224	15.3
6327	5D	18383	IWB18383	D_GBF1XID01CPTHP_149	15.3
6328	5D	58749	IWB58749	RAC875_c51455_182	15.8
6329	5D	541	IWB541	BobWhite_c1372_133	15.8
6330	5D	65574	IWB65574	TA002565-0478	16.1
6331	5D	39447	IWB39447	Ku_c4397_1536	16.1
6332	5D	79314	IWA5366	wsnp_Ex_rep_c67164_65655648	16.1
6333	5D	62739	IWB62739	RAC875_rep_c70941_685	16.9
6334	5D	6788	IWB6788	BS00021901_51	16.9
6335	5D	60391	IWB60391	RAC875_c7587_211	16.9
6336	5D	78655	IWA4550	wsnp_Ex_c65985_64188864	16.9
6337	5D	80850	IWA7517	wsnp_Ku_rep_c72922_72561803	16.9
6338	5D	58605	IWB58605	RAC875_c50011_126	17.2
6339	5D	55914	IWB55914	RAC875_c26265_117	17.2
6340	5D	18686	IWB18686	D_GBUVHFX02FY8QG_158	17.2
6341	5D	79794	IWA6052	wsnp_JD_c43684_30430706	17.2
6342	5D	56458	IWB56458	RAC875_c30315_692	17.2
6343	5D	55915	IWB55915	RAC875_c26265_146	17.2
6344	5D	58111	IWB58111	RAC875_c4504_51	17.5
6345	5D	40957	IWB40957	Kukri_c13045_302	18.6
6346	5D	63711	IWB63711	RFL_Contig1702_460	19.8
6347	5D	50247	IWB50247	Kukri_rep_c73094_348	20.6
6348	5D	17594	IWB17594	D_F5XZDLF02F2TKA_173	20.6
6349	5D	47309	IWB47309	Kukri_c6649_641	20.6
6350	5D	42072	IWB42072	Kukri_c19108_2614	20.6
6351	5D	46229	IWB46229	Kukri_c52161_263	20.6
6352	5D	30040	IWB30040	Excalibur_rep_c104569_101	20.9
6353	5D	53304	IWB53304	RAC875_c11298_245	21.4
6354	5D	5485	IWB5485	BobWhite_rep_c64642_64	21.4
6355	5D	59917	IWB59917	RAC875_c65147_730	21.4
6356	5D	63812	IWB63812	RFL_Contig2033_482	22.6
6357	5D	22092	IWB22092	Excalibur_c12440_1292	22.9
6358	5D	17026	IWB17026	D_contig66399_332	22.9
6359	5D	36656	IWB36656	Jagger_c5801_167	23.4
6360	5D	62829	IWB62829	RAC875_rep_c72023_267	27.7
6361	5D	35889	IWB35889	IACX2960	28.8
6362	5D	17898	IWB17898	D_GA8KES402HYT7F_263	30.8
6363	5D	18994	IWB18994	D_GDEEGVY01CEIGE_161	32.0
6364	5D	25542	IWB25542	Excalibur_c35047_271	35.2
6365	5D	13843	IWB13843	CAP7_c1669_191	37.6
6366	5D	18463	IWB18463	D_GBF1XID02ILGAO_466	45.7
6367	5D	58392	IWB58392	RAC875_c47962_259	45.7

6368	5D	29114	IWB29114	Excalibur_c8478_273	46.5
6369	5D	19312	IWB19312	D_GDS7LZN01CYS6N_229	46.5
6370	5D	1781	IWB1781	BobWhite_c23972_967	49.8
6371	5D	18281	IWB18281	D_GBB4FNX02HAJIG_61	50.1
6372	5D	18140	IWB18140	D_GB5Y7FA02JG2TQ_264	51.3
6373	5D	11972	IWB11972	BS00096756_51	51.6
6374	5D	15299	IWB15299	D_contig04281_502	51.6
6375	5D	24958	IWB24958	Excalibur_c30358_1147	51.6
6376	5D	60109	IWB60109	RAC875_c67549_101	51.6
6377	5D	15782	IWB15782	D_contig15384_170	52.7
6378	5D	31214	IWB31214	Excalibur_rep_c73156_287	59.2
6379	5D	15463	IWB15463	D_contig08129_415	59.2
6380	5D	6794	IWB6794	BS00021911_51	61.2
6381	5D	7550	IWB7550	BS00024761_51	61.2
6382	5D	7425	IWB7425	BS00023103_51	61.2
6383	5D	11816	IWB11816	BS00093588_51	61.2
6384	5D	50039	IWB50039	Kukri_rep_c70578_346	65.1
6385	5D	19279	IWB19279	D_GDS7LZN01AWY50_206	69.0
6386	5D	18134	IWB18134	D_GB5Y7FA02IZ73U_152	72.3
6387	5D	17912	IWB17912	D_GA8KES402IPEKV_90	75.6
6388	5D	19332	IWB19332	D_GDS7LZN01DW87V_234	75.9
6389	5D	81417	IWA8327	wsnp_RFL_Contig2346_1854360	75.9
6390	5D	15934	IWB15934	D_contig18655_445	75.9
6391	5D	16966	IWB16966	D_contig62661_72	75.9
6392	5D	75071	IWB75071	tplb0055c05_1689	75.9
6393	5D	18271	IWB18271	D_GBB4FNX02GXFL1_268	75.9
6394	5D	2148	IWB2148	BobWhite_c27870_103	75.9
6395	5D	17676	IWB17676	D_F5XZDLF02IP5IR_228	76.4
6396	5D	18497	IWB18497	D_GBQ4KXB01BMEK8_423	77.6
6397	5D	28790	IWB28790	Excalibur_c76347_77	78.2
6398	5D	67148	IWB67148	Tdurum_contig11553_534	78.5
6399	5D	39731	IWB39731	Ku_c6176_938	79.0
6400	5D	36749	IWB36749	Jagger_c754_272	82.3
6401	5D	18389	IWB18389	D_GBF1XID01CVZMX_132	82.3
6402	5D	16900	IWB16900	D_contig56923_144	83.5
6403	5D	65770	IWB65770	TA004010-0869	83.5
6404	5D	31501	IWB31501	Excalibur_s107041_192	89.4
6405	5D	2089	IWB2089	BobWhite_c2730_245	93.2
6406	5D	53151	IWB53151	RAC875_c107024_454	95.2
6407	5D	37349	IWB37349	JD_c330_1246	96.0
6408	5D	65355	IWB65355	TA001166-0603	96.9
6409	5D	15855	IWB15855	D_contig17143_54	100.7
6410	5D	21491	IWB21491	Excalibur_c10003_683	100.7
6411	5D	22975	IWB22975	Excalibur_c17489_843	104.2
6412	5D	29990	IWB29990	Excalibur_rep_c103850_753	106.8
6413	5D	49837	IWB49837	Kukri_rep_c69008_811	107.4
6414	5D	80599	IWA7177	wsnp_Ku_c55961_59662821	109.4
6415	5D	29359	IWB29359	Excalibur_c91745_337	109.4
6416	5D	17208	IWB17208	D_contig78113_349	110.0
6417	5D	80016	IWA6409	wsnp_Ku_c10877_17896883	110.8
6418	5D	4550	IWB4550	BobWhite_c8945_134	110.8
6419	5D	41848	IWB41848	Kukri_c17942_239	110.8
6420	5D	17228	IWB17228	D_contig79410_237	110.8
6421	5D	37841	IWB37841	JD_c825_1450	111.1

6422	5D	14252	IWB14252	CAP7_c756_531	111.4
6423	5D	26695	IWB26695	Excalibur_c4570_451	111.4
6424	5D	6593	IWB6593	BS00013935_51	111.9
6425	5D	12263	IWB12263	BS00105939_51	111.9
6426	5D	24419	IWB24419	Excalibur_c2618_468	111.9
6427	5D	17701	IWB17701	D_GA8KES401AL4GG_122	111.9
6428	5D	11592	IWB11592	BS00089081_51	111.9
6429	5D	41252	IWB41252	Kukri_c14692_75	111.9
6430	5D	24648	IWB24648	Excalibur_c2795_1518	111.9
6431	5D	19299	IWB19299	D_GDS7LZN01CBWNE_99	111.9
6432	5D	39469	IWB39469	Ku_c45387_733	111.9
6433	5D	51496	IWB51496	Ra_c2279_718	111.9
6434	5D	39574	IWB39574	Ku_c5228_417	111.9
6435	5D	39573	IWB39573	Ku_c5228_402	111.9
6436	5D	43020	IWB43020	Kukri_c24695_273	111.9
6437	5D	17362	IWB17362	D_F1BEJMU02I00U2_83	111.9
6438	5D	443	IWB443	BobWhite_c13030_406	111.9
6439	5D	35046	IWB35046	IAAV5570	111.9
6440	5D	45525	IWB45525	Kukri_c45387_380	111.9
6441	5D	76927	IWA2276	wsnp_Ex_c17928_26697183	111.9
6442	5D	53671	IWB53671	RAC875_c13169_459	111.9
6443	5D	11591	IWB11591	BS00089078_51	111.9
6444	5D	51498	IWB51498	Ra_c2279_730	111.9
6445	5D	40756	IWB40756	Kukri_c1214_474	111.9
6446	5D	22335	IWB22335	Excalibur_c13901_98	111.9
6447	5D	47729	IWB47729	Kukri_c7786_81	111.9
6448	5D	56960	IWB56960	RAC875_c34515_86	112.2
6449	5D	9561	IWB9561	BS00065473_51	117.8
6450	5D	15705	IWB15705	D_contig13855_208	123.3
6451	5D	26811	IWB26811	Excalibur_c46789_702	123.9
6452	6A	2381	IWB2381	BobWhite_c30632_331	0.0
6453	6A	9013	IWB9013	BS00063170_51	0.6
6454	6A	47513	IWB47513	Kukri_c7146_870	0.8
6455	6A	44270	IWB44270	Kukri_c34036_229	0.8
6456	6A	54332	IWB54332	RAC875_c16649_322	0.8
6457	6A	71551	IWB71551	Tdurum_contig44853_1083	0.8
6458	6A	35508	IWB35508	IAAV8633	0.8
6459	6A	11199	IWB11199	BS00081603_51	0.8
6460	6A	69382	IWB69382	Tdurum_contig27939_357	0.8
6461	6A	4181	IWB4181	BobWhite_c6527_222	0.8
6462	6A	2694	IWB2694	BobWhite_c344_317	0.8
6463	6A	32641	IWB32641	GENE-1756_564	2.0
6464	6A	11959	IWB11959	BS00096519_51	2.0
6465	6A	64917	IWB64917	RFL_Contig5170_1904	2.8
6466	6A	22216	IWB22216	Excalibur_c13115_348	5.4
6467	6A	72905	IWB72905	Tdurum_contig62593_410	5.4
6468	6A	2886	IWB2886	BobWhite_c3714_659	5.4
6469	6A	65436	IWB65436	TA001680-1191	5.7
6470	6A	65474	IWB65474	TA001907-0759	7.4
6471	6A	7330	IWB7330	BS00022938_51	7.4
6472	6A	63694	IWB63694	RFL_Contig1622_1259	7.4
6473	6A	9357	IWB9357	BS00064730_51	7.4
6474	6A	80459	IWA6999	wsnp_Ku_c38982_47513233	7.4
6475	6A	80676	IWA7288	wsnp_Ku_c7471_12865509	7.4

6476	6A	76511	IWA1749	wsnp_Ex_c13230_20872924	7.4
6477	6A	63698	IWB63698	RFL_Contig1622_923	7.4
6478	6A	36275	IWB36275	IACX8154	8.3
6479	6A	9898	IWB9898	BS00066872_51	8.3
6480	6A	41245	IWB41245	Kukri_c14679_1082	11.6
6481	6A	49468	IWB49468	Kukri_rep_c110681_178	11.8
6482	6A	80838	IWA7502	wsnp_Ku_rep_c71785_71517370	11.8
6483	6A	81343	IWA8208	wsnp_Ra_rep_c79566_75592262	11.8
6484	6A	30287	IWB30287	Excalibur_rep_c107698_85	11.8
6485	6A	10743	IWB10743	BS00074487_51	11.8
6486	6A	29014	IWB29014	Excalibur_c8197_381	15.7
6487	6A	28198	IWB28198	Excalibur_c63353_363	15.7
6488	6A	28199	IWB28199	Excalibur_c63353_712	15.7
6489	6A	20823	IWB20823	Ex_c49131_219	15.7
6490	6A	8780	IWB8780	BS00059475_51	15.7
6491	6A	28201	IWB28201	Excalibur_c63353_965	15.7
6492	6A	29624	IWB29624	Excalibur_c9835_91	15.7
6493	6A	33749	IWB33749	GENE-4050_396	15.7
6494	6A	6440	IWB6440	BS00011591_51	15.7
6495	6A	10775	IWB10775	BS00074991_51	15.7
6496	6A	28559	IWB28559	Excalibur_c7044_243	15.7
6497	6A	55352	IWB55352	RAC875_c2253_1255	15.7
6498	6A	55849	IWB55849	RAC875_c25800_836	15.7
6499	6A	40335	IWB40335	Kukri_c10377_88	15.7
6500	6A	73285	IWB73285	Tdurum_contig75595_1072	15.7
6501	6A	33750	IWB33750	GENE-4050_57	15.7
6502	6A	55355	IWB55355	RAC875_c2253_238	15.7
6503	6A	66600	IWB66600	Tdurum_contig10572_201	15.7
6504	6A	71485	IWB71485	Tdurum_contig44092_939	15.7
6505	6A	73288	IWB73288	Tdurum_contig75595_886	15.7
6506	6A	43021	IWB43021	Kukri_c24705_248	15.7
6507	6A	553	IWB553	BobWhite_c13839_78	15.7
6508	6A	11433	IWB11433	BS00085980_51	15.7
6509	6A	75134	IWB75134	tplb0057e06_1607	15.7
6510	6A	80002	IWA6390	wsnp_Ku_c10377_17181816	15.7
6511	6A	10776	IWB10776	BS00074992_51	15.7
6512	6A	10958	IWB10958	BS00077789_51	15.7
6513	6A	67933	IWB67933	Tdurum_contig13287_203	15.7
6514	6A	75264	IWB75264	tplb0060j17_879	15.7
6515	6A	1211	IWB1211	BobWhite_c18721_190	15.7
6516	6A	77553	IWA3137	wsnp_Ex_c280_541960	15.7
6517	6A	7337	IWB7337	BS00022951_51	15.7
6518	6A	73286	IWB73286	Tdurum_contig75595_586	15.7
6519	6A	51478	IWB51478	Ra_c2253_1271	15.7
6520	6A	80177	IWA6630	wsnp_Ku_c17618_26749729	15.7
6521	6A	552	IWB552	BobWhite_c13839_135	15.7
6522	6A	78983	IWA4961	wsnp_Ex_c9763_16125630	15.7
6523	6A	36242	IWB36242	IACX7801	15.7
6524	6A	55353	IWB55353	RAC875_c2253_1756	15.7
6525	6A	36543	IWB36543	Jagger_c3477_441	15.7
6526	6A	71874	IWB71874	Tdurum_contig48179_1197	15.7
6527	6A	6044	IWB6044	BS00009331_51	15.7
6528	6A	81575	IWA8608	wsnp_RFL_Contig4601_5473822	15.7
6529	6A	73287	IWB73287	Tdurum_contig75595_643	15.7

6530	6A	67935	IWB67935	Tdurum_contig13287_703	15.7
6531	6A	53462	IWB53462	RAC875_c12015_576	15.7
6532	6A	45189	IWB45189	Kukri_c42078_708	15.7
6533	6A	44959	IWB44959	Kukri_c3986_346	15.7
6534	6A	41785	IWB41785	Kukri_c17618_874	15.7
6535	6A	40703	IWB40703	Kukri_c1192_825	15.7
6536	6A	40333	IWB40333	Kukri_c10377_3453	15.7
6537	6A	26040	IWB26040	Excalibur_c39390_303	15.7
6538	6A	76510	IWA1748	wsnp_Ex_c13223_20866191	15.7
6539	6A	66606	IWB66606	Tdurum_contig10572_840	15.7
6540	6A	44659	IWB44659	Kukri_c37241_513	15.7
6541	6A	36255	IWB36255	IACX7895	15.7
6542	6A	33864	IWB33864	GENE-4235_196	15.7
6543	6A	29622	IWB29622	Excalibur_c98315_309	15.7
6544	6A	27480	IWB27480	Excalibur_c5442_1691	15.7
6545	6A	22233	IWB22233	Excalibur_c13223_117	15.7
6546	6A	11955	IWB11955	BS00096301_51	15.7
6547	6A	6401	IWB6401	BS00011436_51	15.7
6548	6A	54076	IWB54076	RAC875_c15233_366	15.7
6549	6A	40518	IWB40518	Kukri_c11106_292	16.2
6550	6A	24037	IWB24037	Excalibur_c23748_452	16.8
6551	6A	72039	IWB72039	Tdurum_contig50062_934	18.1
6552	6A	61585	IWB61585	RAC875_rep_c106371_205	18.1
6553	6A	75794	IWA647	wsnp_CAP11_c1114_653767	20.7
6554	6A	62193	IWB62193	RAC875_rep_c113205_124	20.7
6555	6A	33735	IWB33735	GENE-4011_91	20.7
6556	6A	14461	IWB14461	CAP7_rep_c8019_110	20.7
6557	6A	61283	IWB61283	RAC875_c99286_60	20.7
6558	6A	58955	IWB58955	RAC875_c53520_103	20.7
6559	6A	22389	IWB22389	Excalibur_c14222_179	20.7
6560	6A	11844	IWB11844	BS00093964_51	20.7
6561	6A	25592	IWB25592	Excalibur_c35324_183	20.7
6562	6A	12491	IWB12491	BS00110201_51	20.7
6563	6A	67079	IWB67079	Tdurum_contig11414_478	20.7
6564	6A	71930	IWB71930	Tdurum_contig4885_1870	20.7
6565	6A	73937	IWB73937	Tdurum_contig9544_2233	30.8
6566	6A	39835	IWB39835	Ku_c68790_566	30.8
6567	6A	66392	IWB66392	Tdurum_contig102404_127	30.8
6568	6A	72866	IWB72866	Tdurum_contig62141_148	30.8
6569	6A	56969	IWB56969	RAC875_c34617_143	30.8
6570	6A	79337	IWA5401	wsnp_Ex_rep_c67468_66068960	30.8
6571	6A	73939	IWB73939	Tdurum_contig9544_978	30.8
6572	6A	72868	IWB72868	Tdurum_contig62141_496	30.8
6573	6A	71378	IWB71378	Tdurum_contig42906_732	30.8
6574	6A	39323	IWB39323	Ku_c37893_495	30.8
6575	6A	24278	IWB24278	Excalibur_c25211_828	30.8
6576	6A	66393	IWB66393	Tdurum_contig102404_298	30.8
6577	6A	35338	IWB35338	IAAV7418	30.8
6578	6A	73938	IWB73938	Tdurum_contig9544_675	30.8
6579	6A	65434	IWB65434	TA001668-0792	30.8
6580	6A	14403	IWB14403	CAP7_rep_c13246_103	30.8
6581	6A	10887	IWB10887	BS00076530_51	30.8
6582	6A	79338	IWA5402	wsnp_Ex_rep_c67468_66069282	30.8
6583	6A	77702	IWA3322	wsnp_Ex_c31149_39976103	30.8

6584	6A	72867	IWB72867	Tdurum_contig62141_295	30.8
6585	6A	44471	IWB44471	Kukri_c35661_63	30.8
6586	6A	32525	IWB32525	GENE-1530_594	30.8
6587	6A	73265	IWB73265	Tdurum_contig75292_933	30.8
6588	6A	65923	IWB65923	TA005058-0493	30.8
6589	6A	32524	IWB32524	GENE-1530_548	30.8
6590	6A	32523	IWB32523	GENE-1530_263	30.8
6591	6A	7442	IWB7442	BS00023140_51	30.8
6592	6A	56842	IWB56842	RAC875_c33488_549	31.9
6593	6A	12244	IWB12244	BS00105466_51	34.8
6594	6A	62874	IWB62874	RAC875_rep_c72457_638	34.8
6595	6A	69994	IWB69994	Tdurum_contig30286_549	34.8
6596	6A	63050	IWB63050	RAC875_rep_c75189_110	34.8
6597	6A	40829	IWB40829	Kukri_c12478_628	34.8
6598	6A	48600	IWB48600	Kukri_rep_c101121_477	34.8
6599	6A	7500	IWB7500	BS00023627_51	35.0
6600	6A	76723	IWA2018	wsnp_Ex_c15378_23639387	37.3
6601	6A	76722	IWA2017	wsnp_Ex_c15378_23638822	37.3
6602	6A	13025	IWB13025	CAP11_c6962_208	42.0
6603	6A	9036	IWB9036	BS00063296_51	42.0
6604	6A	10644	IWB10644	BS00073124_51	42.3
6605	6A	26966	IWB26966	Excalibur_c48569_78	42.5
6606	6A	56139	IWB56139	RAC875_c27962_61	42.5
6607	6A	35011	IWB35011	IAAV5346	43.7
6608	6A	9804	IWB9804	BS00066438_51	43.7
6609	6A	10605	IWB10605	BS00072286_51	43.7
6610	6A	6447	IWB6447	BS00011607_51	43.7
6611	6A	58234	IWB58234	RAC875_c4632_934	43.7
6612	6A	63546	IWB63546	RFL_Contig1038_942	43.7
6613	6A	77419	IWA2960	wsnp_Ex_c25300_34566908	43.7
6614	6A	61658	IWB61658	RAC875_rep_c107081_918	43.7
6615	6A	77232	IWA2687	wsnp_Ex_c22089_31270755	43.7
6616	6A	80194	IWA6654	wsnp_Ku_c18534_27848426	43.7
6617	6A	62950	IWB62950	RAC875_rep_c73318_362	43.7
6618	6A	58233	IWB58233	RAC875_c4632_1681	43.7
6619	6A	10234	IWB10234	BS00068106_51	43.7
6620	6A	7221	IWB7221	BS00022704_51	43.7
6621	6A	56677	IWB56677	RAC875_c31973_225	43.7
6622	6A	78437	IWA4262	wsnp_Ex_c55340_57883276	43.7
6623	6A	40867	IWB40867	Kukri_c12641_1185	43.7
6624	6A	33609	IWB33609	GENE-3798_1143	43.7
6625	6A	78438	IWA4263	wsnp_Ex_c55340_57883479	43.7
6626	6A	27978	IWB27978	Excalibur_c6057_281	43.7
6627	6A	3322	IWB3322	BobWhite_c43699_393	43.7
6628	6A	75953	IWA902	wsnp_CAP11_rep_c8811_3803397	43.7
6629	6A	65836	IWB65836	TA004440-0664	43.7
6630	6A	13914	IWB13914	CAP7_c2381_149	43.7
6631	6A	13089	IWB13089	CAP11_c989_113	43.7
6632	6A	77773	IWA3412	wsnp_Ex_c32765_41369642	43.7
6633	6A	20150	IWB20150	Ex_c22089_1077	43.7
6634	6A	13069	IWB13069	CAP11_c862_116	43.7
6635	6A	11680	IWB11680	BS00090928_51	43.7
6636	6A	6851	IWB6851	BS00021999_51	43.7
6637	6A	80734	IWA7362	wsnp_Ku_c9583_16038698	43.7

6638	6A	79475	IWA5589	wsnp_Ex_rep_c69191_68104835	43.7
6639	6A	77233	IWA2688	wsnp_Ex_c22089_31270950	43.7
6640	6A	77230	IWA2685	wsnp_Ex_c22089_31269531	43.7
6641	6A	65945	IWB65945	TA005243-1174	43.7
6642	6A	59901	IWB59901	RAC875_c64852_655	43.7
6643	6A	42573	IWB42573	Kukri_c21943_466	43.7
6644	6A	14307	IWB14307	CAP7_c900_114	43.7
6645	6A	9647	IWB9647	BS00065852_51	43.7
6646	6A	10097	IWB10097	BS00067618_51	43.9
6647	6A	26570	IWB26570	Excalibur_c44694_414	43.9
6648	6A	38287	IWB38287	Ku_c11950_931	43.9
6649	6A	38469	IWB38469	Ku_c14907_456	43.9
6650	6A	78809	IWA4739	wsnp_Ex_c7876_13389437	43.9
6651	6A	80640	IWA7237	wsnp_Ku_c67_136981	43.9
6652	6A	854	IWB854	BobWhite_c15977_107	43.9
6653	6A	6293	IWB6293	BS00010811_51	43.9
6654	6A	24955	IWB24955	Excalibur_c30324_564	43.9
6655	6A	34596	IWB34596	IAAV2681	43.9
6656	6A	51699	IWB51699	Ra_c28284_223	43.9
6657	6A	76681	IWA1962	wsnp_Ex_c14975_23127669	43.9
6658	6A	77399	IWA2936	wsnp_Ex_c24958_34212226	43.9
6659	6A	78000	IWA3700	wsnp_Ex_c3997_7238372	43.9
6660	6A	47355	IWB47355	Kukri_c67_1504	43.9
6661	6A	77835	IWA3495	wsnp_Ex_c3472_6358437	43.9
6662	6A	75685	IWA508	wsnp_BF483993A_Ta_2_1	43.9
6663	6A	77977	IWA3670	wsnp_Ex_c3913_7100986	43.9
6664	6A	6225	IWB6225	BS00010441_51	43.9
6665	6A	34343	IWB34343	IAAV1234	43.9
6666	6A	40185	IWB40185	Ku_c97015_209	43.9
6667	6A	78127	IWA3866	wsnp_Ex_c43412_49738738	43.9
6668	6A	78808	IWA4738	wsnp_Ex_c7876_13389283	43.9
6669	6A	8442	IWB8442	BS00046964_51	43.9
6670	6A	78996	IWA4979	wsnp_Ex_c99215_85409445	43.9
6671	6A	34985	IWB34985	IAAV5188	43.9
6672	6A	10098	IWB10098	BS00067619_51	43.9
6673	6A	72208	IWB72208	Tdurum_contig51717_1582	43.9
6674	6A	34654	IWB34654	IAAV3046	43.9
6675	6A	80449	IWA6986	wsnp_Ku_c38451_47086066	48.3
6676	6A	26244	IWB26244	Excalibur_c4152_1031	48.3
6677	6A	24032	IWB24032	Excalibur_c23740_225	48.5
6678	6A	60499	IWB60499	RAC875_c7804_236	48.8
6679	6A	73396	IWB73396	Tdurum_contig76709_195	49.9
6680	6A	7421	IWB7421	BS00023092_51	49.9
6681	6A	27650	IWB27650	Excalibur_c56264_188	49.9
6682	6A	6691	IWB6691	BS00021376_51	49.9
6683	6A	31234	IWB31234	Excalibur_rep_c74709_56	51.3
6684	6A	67403	IWB67403	Tdurum_contig12033_275	51.3
6685	6A	73642	IWB73642	Tdurum_contig83570_288	51.3
6686	6A	30925	IWB30925	Excalibur_rep_c68125_1097	51.6
6687	6A	52504	IWB52504	Ra_c70188_270	51.8
6688	6A	33830	IWB33830	GENE-4200_87	51.8
6689	6A	36012	IWB36012	IACX5753	51.8
6690	6A	10186	IWB10186	BS00067934_51	51.8
6691	6A	9763	IWB9763	BS00066274_51	51.8

6692	6A	8206	IWB8206	BS00040124_51	51.8
6693	6A	63294	IWB63294	RAC875_rep_c91575_101	51.8
6694	6A	62830	IWB62830	RAC875_rep_c72029_380	51.8
6695	6A	36195	IWB36195	IACX7439	51.8
6696	6A	5848	IWB5848	BS00003616_51	51.8
6697	6A	6191	IWB6191	BS00010221_51	51.8
6698	6A	34964	IWB34964	IAAV5035	52.4
6699	6A	79783	IWA6033	wsnp_JD_c3839_4902725	52.4
6700	6A	78894	IWA4842	wsnp_Ex_c8741_14630167	52.4
6701	6A	60379	IWB60379	RAC875_c7560_398	52.4
6702	6A	75956	IWA911	wsnp_CAP12_c1226_628910	52.4
6703	6A	6511	IWB6511	BS00012028_51	52.6
6704	6A	76443	IWA1671	wsnp_Ex_c1269_2435294	53.2
6705	6A	36794	IWB36794	Jagger_c8913_220	53.2
6706	6A	51205	IWB51205	Ra_c16143_1157	53.2
6707	6A	10995	IWB10995	BS00078213_51	53.2
6708	6A	34914	IWB34914	IAAV4703	53.2
6709	6A	10600	IWB10600	BS00072216_51	53.2
6710	6A	110	IWB110	BobWhite_c1082_134	53.2
6711	6A	1314	IWB1314	BobWhite_c19820_129	53.2
6712	6A	80157	IWA6596	wsnp_Ku_c16432_25320146	53.2
6713	6A	79072	IWA5074	wsnp_Ex_rep_c102807_87894833	53.2
6714	6A	47270	IWB47270	Kukri_c65887_282	54.0
6715	6A	5338	IWB5338	BobWhite_rep_c63152_444	54.0
6716	6A	75106	IWB75106	tplb0056d17_78	54.0
6717	6A	75144	IWB75144	tplb0057g20_780	54.3
6718	6A	42205	IWB42205	Kukri_c19802_710	54.3
6719	6A	50266	IWB50266	Kukri_rep_c73457_419	54.3
6720	6A	13180	IWB13180	CAP12_c118_95	54.3
6721	6A	24701	IWB24701	Excalibur_c2834_397	54.3
6722	6A	61092	IWB61092	RAC875_c93959_96	89.0
6723	6A	69770	IWB69770	Tdurum_contig29357_338	89.0
6724	6A	64875	IWB64875	RFL_Contig5037_560	89.0
6725	6A	71441	IWB71441	Tdurum_contig43566_801	89.0
6726	6A	6825	IWB6825	BS00021965_51	89.5
6727	6A	24870	IWB24870	Excalibur_c29639_65	89.5
6728	6A	27303	IWB27303	Excalibur_c52196_235	89.5
6729	6A	50538	IWB50538	Kukri_rep_c95718_868	94.8
6730	6A	63000	IWB63000	RAC875_rep_c74051_276	94.8
6731	6A	12203	IWB12203	BS00103442_51	94.8
6732	6A	69637	IWB69637	Tdurum_contig28802_213	94.8
6733	6A	65198	IWB65198	RFL_Contig6053_3082	94.8
6734	6A	77830	IWA3488	wsnp_Ex_c34597_42879718	94.8
6735	6A	77829	IWA3487	wsnp_Ex_c34597_42879693	94.8
6736	6A	7048	IWB7048	BS00022372_51	95.4
6737	6A	28546	IWB28546	Excalibur_c7002_314	97.1
6738	6A	79839	IWA6117	wsnp_JD_c5872_7032403	97.1
6739	6A	75682	IWA504	wsnp_BF483091A_Ta_2_5	97.1
6740	6A	4014	IWB4014	BobWhite_c5872_589	97.1
6741	6A	12266	IWB12266	BS00105965_51	97.1
6742	6A	35343	IWB35343	IAAV7452	97.1
6743	6A	80892	IWA7572	wsnp_Ra_c11651_18855691	97.1
6744	6A	37899	IWB37899	JD_c9656_680	97.3
6745	6A	29501	IWB29501	Excalibur_c95213_449	97.6

6746	6A	34813	IWB34813	IAAV40	97.9
6747	6A	24946	IWB24946	Excalibur_c30234_130	97.9
6748	6A	34392	IWB34392	IAAV1495	97.9
6749	6A	4933	IWB4933	BobWhite_rep_c51132_85	97.9
6750	6A	2747	IWB2747	BobWhite_c35035_85	97.9
6751	6A	71119	IWB71119	Tdurum_contig42418_1811	97.9
6752	6A	64260	IWB64260	RFL_Contig3175_749	97.9
6753	6A	64259	IWB64259	RFL_Contig3175_482	97.9
6754	6A	64255	IWB64255	RFL_Contig3175_1217	97.9
6755	6A	35265	IWB35265	IAAV6895	97.9
6756	6A	81481	IWA8438	wsnp_RFL_Contig3175_3154256	97.9
6757	6A	81448	IWA8386	wsnp_RFL_Contig2765_2513854	97.9
6758	6A	71973	IWB71973	Tdurum_contig49511_330	97.9
6759	6A	29913	IWB29913	Excalibur_rep_c103170_504	97.9
6760	6A	28231	IWB28231	Excalibur_c63713_892	97.9
6761	6A	28230	IWB28230	Excalibur_c63713_871	97.9
6762	6A	11675	IWB11675	BS00090829_51	97.9
6763	6A	11554	IWB11554	BS00088274_51	97.9
6764	6A	75963	IWA928	wsnp_CAP12_c1663_836753	97.9
6765	6A	64047	IWB64047	RFL_Contig2765_669	97.9
6766	6A	75641	IWA441	wsnp_BF291974A_Ta_2_1	98.2
6767	6A	75996	IWA1000	wsnp_CAP12_rep_c4048_1842112	98.2
6768	6A	7970	IWB7970	BS00034337_51	98.5
6769	6A	8819	IWB8819	BS00060796_51	98.7
6770	6A	60883	IWB60883	RAC875_c8721_212	99.3
6771	6A	8631	IWB8631	BS00053588_51	99.3
6772	6A	30812	IWB30812	Excalibur_rep_c67100_635	99.3
6773	6A	46593	IWB46593	Kukri_c5631_770	99.3
6774	6A	3130	IWB3130	BobWhite_c40602_313	99.3
6775	6A	36427	IWB36427	Jagger_c1134_353	99.3
6776	6A	77601	IWA3202	wsnp_Ex_c28973_38050174	99.3
6777	6A	34434	IWB34434	IAAV173	99.3
6778	6A	47486	IWB47486	Kukri_c6972_240	99.3
6779	6A	48235	IWB48235	Kukri_c90942_274	99.3
6780	6A	42057	IWB42057	Kukri_c18955_73	99.3
6781	6A	46592	IWB46592	Kukri_c5631_1514	99.3
6782	6A	53433	IWB53433	RAC875_c11876_120	99.3
6783	6A	77193	IWA2639	wsnp_Ex_c21688_30847181	99.3
6784	6A	65928	IWB65928	TA005098-0959	99.3
6785	6A	50	IWB50	BobWhite_c10343_320	99.3
6786	6A	45148	IWB45148	Kukri_c41482_311	99.3
6787	6A	8718	IWB8718	BS00057486_51	99.3
6788	6A	31394	IWB31394	Excalibur_rep_c90454_251	99.3
6789	6A	77153	IWA2580	wsnp_Ex_c21129_30256617	99.3
6790	6A	8923	IWB8923	BS00062776_51	99.3
6791	6A	70657	IWB70657	Tdurum_contig413_220	99.3
6792	6A	36618	IWB36618	Jagger_c5046_63	99.3
6793	6A	69846	IWB69846	Tdurum_contig29607_413	99.3
6794	6A	74002	IWB74002	Tdurum_contig97520_902	99.3
6795	6A	31025	IWB31025	Excalibur_rep_c69054_960	99.3
6796	6A	53748	IWB53748	RAC875_c13595_669	99.3
6797	6A	75607	IWA400	wsnp_BE636872A_Ta_2_6	99.3
6798	6A	58370	IWB58370	RAC875_c47588_250	99.3
6799	6A	80753	IWA7386	wsnp_Ku_rep_c102077_89125383	99.3

6800	6A	27507	IWB27507	Excalibur_c54765_156	99.3
6801	6A	48492	IWB48492	Kukri_c9805_696	99.3
6802	6A	76318	IWA1510	wsnp_Ex_c1153_2213588	99.3
6803	6A	81122	IWA7894	wsnp_Ra_c36410_44760538	99.3
6804	6A	8248	IWB8248	BS00040814_51	99.3
6805	6A	21174	IWB21174	Ex_c69054_723	99.3
6806	6A	66989	IWB66989	Tdurum_contig11275_461	99.3
6807	6A	77500	IWA3066	wsnp_Ex_c26771_35998435	99.3
6808	6A	8423	IWB8423	BS00046261_51	99.3
6809	6A	60590	IWB60590	RAC875_c79898_255	99.3
6810	6A	35122	IWB35122	IAAV5969	99.3
6811	6A	56108	IWB56108	RAC875_c27781_591	99.3
6812	6A	33839	IWB33839	GENE-4208_788	99.3
6813	6A	72197	IWB72197	Tdurum_contig51627_1211	99.3
6814	6A	74304	IWB74304	tplb0026o20_691	99.3
6815	6A	29924	IWB29924	Excalibur_rep_c103232_355	99.3
6816	6A	75006	IWB75006	tplb0052j03_499	99.3
6817	6A	35994	IWB35994	IACX5481	99.3
6818	6A	79968	IWA6316	wsnp_JD_rep_c65886_41872083	99.3
6819	6A	80115	IWA6537	wsnp_Ku_c1468_2912654	99.3
6820	6A	33662	IWB33662	GENE-3911_120	99.3
6821	6A	59857	IWB59857	RAC875_c6429_55	99.6
6822	6A	68646	IWB68646	Tdurum_contig17378_299	99.6
6823	6A	51469	IWB51469	Ra_c2235_1339	99.8
6824	6A	3554	IWB3554	BobWhite_c47040_305	100.4
6825	6A	8389	IWB8389	BS00045156_51	100.7
6826	6A	57517	IWB57517	RAC875_c39433_564	100.7
6827	6A	60184	IWB60184	RAC875_c685_120	100.7
6828	6A	60185	IWB60185	RAC875_c685_1246	100.7
6829	6A	80920	IWA7621	wsnp_Ra_c13998_21994095	100.7
6830	6A	55490	IWB55490	RAC875_c23338_792	100.7
6831	6A	13936	IWB13936	CAP7_c2559_63	100.7
6832	6A	11258	IWB11258	BS00082460_51	100.7
6833	6A	50130	IWB50130	Kukri_rep_c71567_475	100.7
6834	6A	76603	IWA1866	wsnp_Ex_c14156_22088518	100.7
6835	6A	80833	IWA7497	wsnp_Ku_rep_c71567_71302229	100.7
6836	6A	34589	IWB34589	IAAV2636	100.7
6837	6A	45429	IWB45429	Kukri_c44291_138	100.7
6838	6A	45431	IWB45431	Kukri_c44291_223	100.7
6839	6A	44475	IWB44475	Kukri_c3570_1418	100.7
6840	6A	57516	IWB57516	RAC875_c39433_285	100.7
6841	6A	34398	IWB34398	IAAV1529	100.7
6842	6A	45106	IWB45106	Kukri_c41157_315	100.7
6843	6A	11446	IWB11446	BS00086174_51	100.7
6844	6A	44476	IWB44476	Kukri_c3570_1817	100.7
6845	6A	77306	IWA2795	wsnp_Ex_c2325_4355706	100.7
6846	6A	80832	IWA7496	wsnp_Ku_rep_c71567_71302046	100.7
6847	6A	45430	IWB45430	Kukri_c44291_192	100.7
6848	6A	71327	IWB71327	Tdurum_contig42643_335	100.7
6849	6A	50129	IWB50129	Kukri_rep_c71567_1037	100.7
6850	6A	25644	IWB25644	Excalibur_c35871_596	101.0
6851	6B	76790	IWA2098	wsnp_Ex_c16090_24522660	0.0
6852	6B	3282	IWB3282	BobWhite_c43135_397	0.3
6853	6B	36361	IWB36361	IACX9205	0.3

6854	6B	56605	IWB56605	RAC875_c31381_820	0.3
6855	6B	67725	IWB67725	Tdurum_contig12749_284	0.3
6856	6B	25711	IWB25711	Excalibur_c36398_69	0.3
6857	6B	59377	IWB59377	RAC875_c58425_286	1.1
6858	6B	59378	IWB59378	RAC875_c58425_331	1.1
6859	6B	63100	IWB63100	RAC875_rep_c77197_187	1.1
6860	6B	80514	IWA7070	wsnp_Ku_c4446_8062906	1.1
6861	6B	7673	IWB7673	BS00028088_51	1.1
6862	6B	416	IWB416	BobWhite_c12846_389	1.7
6863	6B	58009	IWB58009	RAC875_c44002_81	1.7
6864	6B	81499	IWA8477	wsnp_RFL_Contig3512_3672726	1.7
6865	6B	8673	IWB8673	BS00055768_51	3.1
6866	6B	9057	IWB9057	BS00063429_51	3.1
6867	6B	10964	IWB10964	BS00077844_51	3.1
6868	6B	59649	IWB59649	RAC875_c61989_92	3.1
6869	6B	8674	IWB8674	BS00055769_51	3.1
6870	6B	70382	IWB70382	Tdurum_contig32779_217	3.3
6871	6B	61429	IWB61429	RAC875_rep_c105224_352	3.9
6872	6B	72322	IWB72322	Tdurum_contig53646_799	3.9
6873	6B	28633	IWB28633	Excalibur_c72517_227	6.2
6874	6B	74087	IWB74087	tplb0021d05_204	6.2
6875	6B	13056	IWB13056	CAP11_c7959_386	6.2
6876	6B	75959	IWA921	wsnp_CAP12_c1388_706924	6.2
6877	6B	28262	IWB28262	Excalibur_c64119_345	6.2
6878	6B	42821	IWB42821	Kukri_c23491_274	6.2
6879	6B	76633	IWA1901	wsnp_Ex_c14481_22485922	13.7
6880	6B	48833	IWB48833	Kukri_rep_c103034_636	13.7
6881	6B	57422	IWB57422	RAC875_c38592_229	13.7
6882	6B	30654	IWB30654	Excalibur_rep_c114123_366	13.7
6883	6B	61523	IWB61523	RAC875_rep_c105906_124	13.7
6884	6B	13906	IWB13906	CAP7_c2260_110	13.7
6885	6B	28339	IWB28339	Excalibur_c64989_556	13.7
6886	6B	44590	IWB44590	Kukri_c3664_1071	13.7
6887	6B	23381	IWB23381	Excalibur_c19747_53	13.7
6888	6B	43037	IWB43037	Kukri_c24795_267	13.7
6889	6B	7119	IWB7119	BS00022499_51	13.7
6890	6B	29457	IWB29457	Excalibur_c94362_397	13.7
6891	6B	52739	IWB52739	Ra_c8396_465	13.7
6892	6B	52738	IWB52738	Ra_c8396_464	13.7
6893	6B	45870	IWB45870	Kukri_c48410_604	13.7
6894	6B	79723	IWA5943	wsnp_JD_c23373_19987039	13.7
6895	6B	78705	IWA4612	wsnp_Ex_c702_1383612	13.7
6896	6B	48831	IWB48831	Kukri_rep_c103009_826	13.7
6897	6B	81083	IWA7841	wsnp_Ra_c30621_39857295	13.7
6898	6B	61321	IWB61321	RAC875_rep_c101299_88	13.7
6899	6B	57334	IWB57334	RAC875_c37759_711	13.7
6900	6B	7937	IWB7937	BS00033642_51	18.2
6901	6B	73576	IWB73576	Tdurum_contig82504_154	19.3
6902	6B	72921	IWB72921	Tdurum_contig62941_85	24.1
6903	6B	49049	IWB49049	Kukri_rep_c104879_103	24.1
6904	6B	12597	IWB12597	BS00110803_51	24.4
6905	6B	55422	IWB55422	RAC875_c2291_123	24.4
6906	6B	35525	IWB35525	IAAV8704	24.4
6907	6B	48897	IWB48897	Kukri_rep_c103613_253	24.9

6908	6B	46453	IWB46453	Kukri_c54773_76	24.9
6909	6B	71392	IWB71392	Tdurum_contig43092_876	24.9
6910	6B	11641	IWB11641	BS00090069_51	24.9
6911	6B	11643	IWB11643	BS00090073_51	24.9
6912	6B	53807	IWB53807	RAC875_c13920_747	25.2
6913	6B	2076	IWB2076	BobWhite_c27216_137	28.7
6914	6B	69190	IWB69190	Tdurum_contig25819_527	28.7
6915	6B	71937	IWB71937	Tdurum_contig48939_754	29.6
6916	6B	72401	IWB72401	Tdurum_contig5486_177	29.6
6917	6B	60177	IWB60177	RAC875_c6837_468	29.6
6918	6B	13395	IWB13395	CAP12_c4100_640	29.8
6919	6B	39117	IWB39117	Ku_c30637_1294	29.8
6920	6B	35654	IWB35654	IACX11060	30.1
6921	6B	26976	IWB26976	Excalibur_c4867_370	30.1
6922	6B	72771	IWB72771	Tdurum_contig6121_947	30.1
6923	6B	74027	IWB74027	Tdurum_contig98106_715	30.1
6924	6B	68130	IWB68130	Tdurum_contig14046_364	30.1
6925	6B	55825	IWB55825	RAC875_c25672_473	30.1
6926	6B	5824	IWB5824	BS00003214_51	30.1
6927	6B	81293	IWA8134	wsnp_Ra_rep_c108218_91556581	30.1
6928	6B	52667	IWB52667	Ra_c7721_225	30.1
6929	6B	55364	IWB55364	RAC875_c22549_1037	30.1
6930	6B	44025	IWB44025	Kukri_c31822_568	30.1
6931	6B	77981	IWA3676	wsnp_Ex_c39304_46634878	30.1
6932	6B	54009	IWB54009	RAC875_c14852_2171	30.1
6933	6B	43822	IWB43822	Kukri_c3018_865	30.1
6934	6B	25374	IWB25374	Excalibur_c33724_303	30.1
6935	6B	19578	IWB19578	Ex_c102862_798	30.1
6936	6B	163	IWB163	BobWhite_c11042_284	30.1
6937	6B	79687	IWA5888	wsnp_JD_c18284_16822042	30.1
6938	6B	90	IWB90	BobWhite_c10614_157	30.1
6939	6B	34357	IWB34357	IAAV1319	30.1
6940	6B	25897	IWB25897	Excalibur_c3795_198	30.1
6941	6B	79048	IWA5043	wsnp_Ex_rep_c102044_87297599	30.1
6942	6B	77431	IWA2975	wsnp_Ex_c25505_34771897	30.1
6943	6B	30223	IWB30223	Excalibur_rep_c106789_271	30.1
6944	6B	25217	IWB25217	Excalibur_c3259_379	30.1
6945	6B	9517	IWB9517	BS00065335_51	30.1
6946	6B	9091	IWB9091	BS00063608_51	30.1
6947	6B	10803	IWB10803	BS00075406_51	30.1
6948	6B	25986	IWB25986	Excalibur_c38928_307	30.1
6949	6B	33618	IWB33618	GENE-3813_174	30.1
6950	6B	44892	IWB44892	Kukri_c39151_460	30.1
6951	6B	65137	IWB65137	RFL_Contig5844_291	30.1
6952	6B	77771	IWA3410	wsnp_Ex_c3267_6026545	30.1
6953	6B	73067	IWB73067	Tdurum_contig67567_93	30.1
6954	6B	77400	IWA2937	wsnp_Ex_c24963_34217997	30.1
6955	6B	76096	IWA1212	wsnp_CAP8_c7510_3461645	30.1
6956	6B	77841	IWA3501	wsnp_Ex_c34962_43193869	30.1
6957	6B	80973	IWA7689	wsnp_Ra_c18735_27835674	30.1
6958	6B	12330	IWB12330	BS00107795_51	30.1
6959	6B	49791	IWB49791	Kukri_rep_c68415_936	30.1
6960	6B	55803	IWB55803	RAC875_c25489_1208	30.1
6961	6B	79047	IWA5042	wsnp_Ex_rep_c102044_87296690	30.1

6962	6B	81184	IWA7974	wsnp_Ra_c48999_54089942	30.1
6963	6B	77982	IWA3677	wsnp_Ex_c39304_46635517	30.1
6964	6B	2007	IWB2007	BobWhite_c26504_163	30.1
6965	6B	44910	IWB44910	Kukri_c39321_112	30.1
6966	6B	7680	IWB7680	BS00028217_51	30.1
6967	6B	33273	IWB33273	GENE-3171_203	30.1
6968	6B	56800	IWB56800	RAC875_c33034_408	30.1
6969	6B	77772	IWA3411	wsnp_Ex_c3267_6026676	30.1
6970	6B	58376	IWB58376	RAC875_c47717_388	30.1
6971	6B	71284	IWB71284	Tdurum_contig42557_78	30.1
6972	6B	51136	IWB51136	Ra_c14852_1487	30.1
6973	6B	6601	IWB6601	BS00014588_51	30.1
6974	6B	10553	IWB10553	BS00071498_51	30.1
6975	6B	71712	IWB71712	Tdurum_contig46732_711	30.1
6976	6B	11485	IWB11485	BS00087190_51	30.1
6977	6B	11233	IWB11233	BS00082086_51	30.1
6978	6B	33858	IWB33858	GENE-4231_195	30.1
6979	6B	35569	IWB35569	IAAV8967	30.1
6980	6B	7098	IWB7098	BS00022462_51	30.1
6981	6B	58613	IWB58613	RAC875_c50143_604	31.2
6982	6B	10993	IWB10993	BS00078150_51	32.3
6983	6B	17741	IWB17741	D_GA8KES401C8IH7_354	32.6
6984	6B	26479	IWB26479	Excalibur_c43691_336	32.9
6985	6B	48399	IWB48399	Kukri_c9507_142	33.1
6986	6B	1636	IWB1636	BobWhite_c22767_189	33.1
6987	6B	14571	IWB14571	CAP8_c1851_62	33.1
6988	6B	29847	IWB29847	Excalibur_rep_c102619_754	33.1
6989	6B	53597	IWB53597	RAC875_c12805_908	33.1
6990	6B	62097	IWB62097	RAC875_rep_c111901_103	33.1
6991	6B	65932	IWB65932	TA005139-0719	33.1
6992	6B	76345	IWA1545	wsnp_Ex_c11873_19047792	33.1
6993	6B	76638	IWA1911	wsnp_Ex_c14586_22625563	33.1
6994	6B	77313	IWA2811	wsnp_Ex_c23474_32717535	33.1
6995	6B	79091	IWA5098	wsnp_Ex_rep_c103497_88437811	33.1
6996	6B	79596	IWA5748	wsnp_Ex_rep_c77942_74309566	33.1
6997	6B	79953	IWA6293	wsnp_JD_rep_c63108_40258378	33.1
6998	6B	81039	IWA7783	wsnp_Ra_c24962_34524602	33.1
6999	6B	81329	IWA8189	wsnp_Ra_rep_c73725_71801046	33.1
7000	6B	4623	IWB4623	BobWhite_c9563_377	33.1
7001	6B	8461	IWB8461	BS00047254_51	33.1
7002	6B	11064	IWB11064	BS00079127_51	33.1
7003	6B	23505	IWB23505	Excalibur_c20503_382	33.1
7004	6B	25832	IWB25832	Excalibur_c37474_868	33.1
7005	6B	26894	IWB26894	Excalibur_c47738_334	33.1
7006	6B	29940	IWB29940	Excalibur_rep_c103447_433	33.1
7007	6B	43390	IWB43390	Kukri_c27172_757	33.1
7008	6B	44956	IWB44956	Kukri_c3983_670	33.1
7009	6B	45168	IWB45168	Kukri_c41694_285	33.1
7010	6B	55923	IWB55923	RAC875_c26400_88	33.1
7011	6B	59821	IWB59821	RAC875_c63892_678	33.1
7012	6B	65505	IWB65505	TA002165-1178	33.1
7013	6B	66075	IWB66075	TA006276-0443	33.1
7014	6B	70154	IWB70154	Tdurum_contig31043_89	33.1
7015	6B	75634	IWA434	wsnp_BF291478B_Ta_2_1	33.1

7016	6B	75771	IWA617	wsnp_BQ161448B_Ta_2_1	33.1
7017	6B	77550	IWA3131	wsnp_Ex_c27934_37093614	33.1
7018	6B	77941	IWA3632	wsnp_Ex_c38150_45749359	33.1
7019	6B	78283	IWA4065	wsnp_Ex_c50022_54446632	33.1
7020	6B	78624	IWA4515	wsnp_Ex_c6466_11234080	33.1
7021	6B	79088	IWA5095	wsnp_Ex_rep_c103466_88415738	33.1
7022	6B	79436	IWA5531	wsnp_Ex_rep_c68480_67305954	33.1
7023	6B	80766	IWA7401	wsnp_Ku_rep_c103569_90279488	33.1
7024	6B	81193	IWA7995	wsnp_Ra_c54050_57499377	33.1
7025	6B	8414	IWB8414	BS00045761_51	33.1
7026	6B	8576	IWB8576	BS00049942_51	33.1
7027	6B	22608	IWB22608	Excalibur_c15335_197	33.1
7028	6B	79211	IWA5241	wsnp_Ex_rep_c66458_64697718	33.1
7029	6B	29073	IWB29073	Excalibur_c83451_218	33.1
7030	6B	35426	IWB35426	IAAV8065	33.1
7031	6B	8737	IWB8737	BS00058305_51	33.1
7032	6B	24410	IWB24410	Excalibur_c26143_832	33.1
7033	6B	24414	IWB24414	Excalibur_c26172_359	33.1
7034	6B	31272	IWB31272	Excalibur_rep_c77166_95	33.1
7035	6B	52913	IWB52913	RAC875_c10122_113	33.1
7036	6B	60925	IWB60925	RAC875_c88279_291	33.1
7037	6B	78298	IWA4086	wsnp_Ex_c5075_9013594	33.1
7038	6B	571	IWB571	BobWhite_c13977_91	33.1
7039	6B	78092	IWA3825	wsnp_Ex_c42372_48966781	33.1
7040	6B	81322	IWA8175	wsnp_Ra_rep_c70906_68868576	33.1
7041	6B	32974	IWB32974	GENE-2561_575	33.1
7042	6B	36647	IWB36647	Jagger_c555_818	33.1
7043	6B	49077	IWB49077	Kukri_rep_c105243_341	33.1
7044	6B	73415	IWB73415	Tdurum_contig77234_467	33.1
7045	6B	10170	IWB10170	BS00067871_51	33.1
7046	6B	58178	IWB58178	RAC875_c45791_450	33.1
7047	6B	59819	IWB59819	RAC875_c63892_170	33.1
7048	6B	77053	IWA2451	wsnp_Ex_c19707_28702378	33.1
7049	6B	77204	IWA2652	wsnp_Ex_c21783_30944914	33.1
7050	6B	81291	IWA8129	wsnp_Ra_rep_c106754_90462550	33.1
7051	6B	826	IWB826	BobWhite_c15653_484	33.1
7052	6B	20822	IWB20822	Ex_c49055_617	33.1
7053	6B	42338	IWB42338	Kukri_c20529_1006	33.1
7054	6B	59820	IWB59820	RAC875_c63892_604	33.1
7055	6B	63659	IWB63659	RFL_Contig1492_1183	33.1
7056	6B	68374	IWB68374	Tdurum_contig15235_951	33.1
7057	6B	78846	IWA4783	wsnp_Ex_c8267_13954978	33.1
7058	6B	81205	IWA8011	wsnp_Ra_c57648_59682822	33.1
7059	6B	43114	IWB43114	Kukri_c25377_106	33.1
7060	6B	29201	IWB29201	Excalibur_c8724_348	33.1
7061	6B	9173	IWB9173	BS00064028_51	33.1
7062	6B	38105	IWB38105	Ku_c1044_1007	33.1
7063	6B	23092	IWB23092	Excalibur_c18182_760	33.1
7064	6B	42994	IWB42994	Kukri_c24590_532	33.1
7065	6B	49834	IWB49834	Kukri_rep_c68962_1971	33.1
7066	6B	79202	IWA5231	wsnp_Ex_rep_c66409_64618153	33.1
7067	6B	38805	IWB38805	Ku_c22026_1410	33.1
7068	6B	66024	IWB66024	TA005843-0691	33.1
7069	6B	55937	IWB55937	RAC875_c26487_118	33.1

7070	6B	51636	IWB51636	Ra_c26597_342	33.1
7071	6B	76800	IWA2109	wsnp_Ex_c16243_24699942	33.1
7072	6B	8543	IWB8543	BS00049565_51	33.1
7073	6B	35826	IWB35826	IACX203	33.1
7074	6B	32983	IWB32983	GENE-2606_197	33.1
7075	6B	1670	IWB1670	BobWhite_c23142_415	33.1
7076	6B	56066	IWB56066	RAC875_c27431_212	33.1
7077	6B	7574	IWB7574	BS00025302_51	33.1
7078	6B	743	IWB743	BobWhite_c1509_622	33.4
7079	6B	20804	IWB20804	Ex_c4801_295	33.4
7080	6B	57854	IWB57854	RAC875_c42551_141	33.4
7081	6B	5780	IWB5780	BS00001100_51	33.4
7082	6B	8690	IWB8690	BS00056278_51	33.4
7083	6B	4511	IWB4511	BobWhite_c872_620	33.4
7084	6B	27622	IWB27622	Excalibur_c56046_379	34.0
7085	6B	9097	IWB9097	BS00063631_51	34.6
7086	6B	7047	IWB7047	BS00022370_51	34.6
7087	6B	81332	IWA8192	wsnp_Ra_rep_c73731_71807419	34.6
7088	6B	78208	IWA3971	wsnp_Ex_c46392_51913200	34.6
7089	6B	57747	IWB57747	RAC875_c41604_1001	34.6
7090	6B	43115	IWB43115	Kukri_c25377_240	34.6
7091	6B	6978	IWB6978	BS00022226_51	34.6
7092	6B	8966	IWB8966	BS00062970_51	34.6
7093	6B	6714	IWB6714	BS00021686_51	34.6
7094	6B	55718	IWB55718	RAC875_c24962_1326	34.6
7095	6B	5932	IWB5932	BS00003955_51	34.6
7096	6B	902	IWB902	BobWhite_c16301_60	34.6
7097	6B	81330	IWA8190	wsnp_Ra_rep_c73725_71801179	34.6
7098	6B	80747	IWA7380	wsnp_Ku_rep_c101389_88563086	34.6
7099	6B	78130	IWA3869	wsnp_Ex_c43499_49801559	34.6
7100	6B	56000	IWB56000	RAC875_c26887_562	34.6
7101	6B	55300	IWB55300	RAC875_c22101_656	34.6
7102	6B	50529	IWB50529	Kukri_rep_c94998_153	34.6
7103	6B	32014	IWB32014	GENE-0659_105	34.6
7104	6B	8575	IWB8575	BS00049941_51	34.6
7105	6B	8249	IWB8249	BS00040868_51	34.6
7106	6B	3623	IWB3623	BobWhite_c47831_87	34.6
7107	6B	78204	IWA3963	wsnp_Ex_c46160_51746546	34.6
7108	6B	76507	IWA1743	wsnp_Ex_c1319_2522992	34.6
7109	6B	46262	IWB46262	Kukri_c52515_442	34.6
7110	6B	5090	IWB5090	BobWhite_rep_c54531_95	34.6
7111	6B	672	IWB672	BobWhite_c14575_323	34.6
7112	6B	80955	IWA7663	wsnp_Ra_c16850_25605248	34.6
7113	6B	43271	IWB43271	Kukri_c26279_503	34.6
7114	6B	37060	IWB37060	JD_c15653_302	34.6
7115	6B	33714	IWB33714	GENE-3990_27	34.6
7116	6B	10399	IWB10399	BS00069368_51	34.6
7117	6B	2587	IWB2587	BobWhite_c32911_243	34.6
7118	6B	81301	IWA8144	wsnp_Ra_rep_c111161_93528347	34.6
7119	6B	80926	IWA7628	wsnp_Ra_c14498_22667649	34.6
7120	6B	80324	IWA6826	wsnp_Ku_c27423_37369377	34.6
7121	6B	80323	IWA6825	wsnp_Ku_c27423_37369145	34.6
7122	6B	79852	IWA6142	wsnp_JD_c6448_7610859	34.6
7123	6B	79212	IWA5242	wsnp_Ex_rep_c66458_64698299	34.6

7124	6B	79141	IWA5157	wsnp_Ex_rep_c107572_91149113	34.6
7125	6B	79094	IWA5104	wsnp_Ex_rep_c103767_88641111	34.6
7126	6B	79089	IWA5096	wsnp_Ex_rep_c103466_88415994	34.6
7127	6B	78601	IWA4487	wsnp_Ex_c6358_11058700	34.6
7128	6B	77801	IWA3450	wsnp_Ex_c33813_42239400	34.6
7129	6B	76860	IWA2185	wsnp_Ex_c17051_25671072	34.6
7130	6B	76565	IWA1815	wsnp_Ex_c13816_21656469	34.6
7131	6B	76308	IWA1499	wsnp_Ex_c1145_2198295	34.6
7132	6B	65595	IWB65595	TA002706-2669	34.6
7133	6B	52675	IWB52675	Ra_c77985_260	34.6
7134	6B	45150	IWB45150	Kukri_c41527_436	34.6
7135	6B	43519	IWB43519	Kukri_c2800_103	34.6
7136	6B	42501	IWB42501	Kukri_c21409_283	34.6
7137	6B	40081	IWB40081	Ku_c8353_937	34.6
7138	6B	39181	IWB39181	Ku_c32537_241	34.6
7139	6B	38978	IWB38978	Ku_c2606_779	34.6
7140	6B	38340	IWB38340	Ku_c12681_198	34.6
7141	6B	34882	IWB34882	IAAV4514	34.6
7142	6B	34512	IWB34512	IAAV2161	34.6
7143	6B	33747	IWB33747	GENE-4048_299	34.6
7144	6B	28993	IWB28993	Excalibur_c81461_138	34.6
7145	6B	28902	IWB28902	Excalibur_c79066_165	34.6
7146	6B	27425	IWB27425	Excalibur_c53834_416	34.6
7147	6B	27220	IWB27220	Excalibur_c5136_2314	34.6
7148	6B	23978	IWB23978	Excalibur_c23462_677	34.6
7149	6B	23897	IWB23897	Excalibur_c22998_621	34.6
7150	6B	23220	IWB23220	Excalibur_c18881_383	34.6
7151	6B	19685	IWB19685	Ex_c1145_552	34.6
7152	6B	11021	IWB11021	BS00078597_51	34.6
7153	6B	9338	IWB9338	BS00064654_51	34.6
7154	6B	8644	IWB8644	BS00054287_51	34.6
7155	6B	2875	IWB2875	BobWhite_c36911_355	34.6
7156	6B	1106	IWB1106	BobWhite_c17876_192	34.6
7157	6B	71602	IWB71602	Tdurum_contig45370_324	34.6
7158	6B	66131	IWB66131	TA015451-0472	34.6
7159	6B	65914	IWB65914	TA005016-0827	34.6
7160	6B	33826	IWB33826	GENE-4195_165	34.6
7161	6B	26526	IWB26526	Excalibur_c44109_144	34.6
7162	6B	2737	IWB2737	BobWhite_c34920_228	34.6
7163	6B	78291	IWA4078	wsnp_Ex_c5058_8981554	34.6
7164	6B	76783	IWA2090	wsnp_Ex_c1603_3056226	34.6
7165	6B	75969	IWA941	wsnp_CAP12_c242_135767	34.6
7166	6B	69753	IWB69753	Tdurum_contig29294_171	34.6
7167	6B	49923	IWB49923	Kukri_rep_c69660_52	34.6
7168	6B	46081	IWB46081	Kukri_c50603_164	34.6
7169	6B	42209	IWB42209	Kukri_c1982_1406	34.6
7170	6B	39182	IWB39182	Ku_c32537_247	34.6
7171	6B	38393	IWB38393	Ku_c13514_146	34.6
7172	6B	38106	IWB38106	Ku_c1044_2005	34.6
7173	6B	31833	IWB31833	GENE-0363_168	34.6
7174	6B	13931	IWB13931	CAP7_c2536_65	34.6
7175	6B	12289	IWB12289	BS00106588_51	34.6
7176	6B	76118	IWA1251	wsnp_CD452643B_Ta_2_1	35.4
7177	6B	9950	IWB9950	BS00067073_51	35.4

7178	6B	53703	IWB53703	RAC875_c13325_109	35.4
7179	6B	36146	IWB36146	IACX6349	35.4
7180	6B	12855	IWB12855	CAP11_c3599_113	35.7
7181	6B	72677	IWB72677	Tdurum_contig5968_365	37.1
7182	6B	75985	IWA971	wsnp_CAP12_c527_285541	37.1
7183	6B	78614	IWA4502	wsnp_Ex_c6401_11124792	37.1
7184	6B	11619	IWB11619	BS00089580_51	37.1
7185	6B	78612	IWA4500	wsnp_Ex_c6401_11124462	37.1
7186	6B	81174	IWA7962	wsnp_Ra_c47601_53118036	37.1
7187	6B	43566	IWB43566	Kukri_c2842_248	37.1
7188	6B	78613	IWA4501	wsnp_Ex_c6401_11124623	37.1
7189	6B	75868	IWA755	wsnp_CAP11_c3599_1741800	37.1
7190	6B	8492	IWB8492	BS00048191_51	37.1
7191	6B	68061	IWB68061	Tdurum_contig13698_141	37.1
7192	6B	46344	IWB46344	Kukri_c53506_1141	37.1
7193	6B	23743	IWB23743	Excalibur_c22075_166	37.1
7194	6B	21249	IWB21249	Ex_c7101_596	37.1
7195	6B	70448	IWB70448	Tdurum_contig33717_301	37.3
7196	6B	79973	IWA6329	wsnp_JG_c1834_901723	37.3
7197	6B	23748	IWB23748	Excalibur_c22106_190	37.3
7198	6B	73860	IWB73860	Tdurum_contig93283_513	37.3
7199	6B	25654	IWB25654	Excalibur_c35964_205	39.3
7200	6B	71546	IWB71546	Tdurum_contig44825_307	39.3
7201	6B	73225	IWB73225	Tdurum_contig74717_436	39.3
7202	6B	75807	IWA670	wsnp_CAP11_c1432_806102	39.5
7203	6B	14152	IWB14152	CAP7_c5075_412	39.5
7204	6B	47763	IWB47763	Kukri_c78348_266	42.1
7205	6B	76129	IWA1267	wsnp_CV776265A_Ta_2_1	42.1
7206	6B	21972	IWB21972	Excalibur_c11817_1125	42.1
7207	6B	81445	IWA8383	wsnp_RFL_Contig2747_2479869	42.1
7208	6B	46624	IWB46624	Kukri_c56955_282	42.1
7209	6B	44150	IWB44150	Kukri_c3292_670	42.4
7210	6B	33843	IWB33843	GENE-4221_94	46.1
7211	6B	63931	IWB63931	RFL_Contig2387_1410	46.1
7212	6B	75981	IWA967	wsnp_CAP12_c475_258416	46.1
7213	6B	13414	IWB13414	CAP12_c475_289	46.1
7214	6B	33842	IWB33842	GENE-4221_519	46.1
7215	6B	35772	IWB35772	IACX1609	46.1
7216	6B	13413	IWB13413	CAP12_c475_166	46.1
7217	6B	12395	IWB12395	BS00109036_51	46.7
7218	6B	59482	IWB59482	RAC875_c60007_199	46.7
7219	6B	58733	IWB58733	RAC875_c5129_280	46.9
7220	6B	290	IWB290	BobWhite_c12013_977	47.2
7221	6B	288	IWB288	BobWhite_c12013_1151	47.2
7222	6B	10702	IWB10702	BS00074024_51	47.2
7223	6B	62307	IWB62307	RAC875_rep_c115149_515	47.2
7224	6B	65851	IWB65851	TA004523-0997	47.2
7225	6B	62306	IWB62306	RAC875_rep_c115149_377	47.2
7226	6B	62308	IWB62308	RAC875_rep_c115149_85	47.2
7227	6B	29867	IWB29867	Excalibur_rep_c102798_288	47.2
7228	6B	66124	IWB66124	TA014972-0344	47.5
7229	6B	33761	IWB33761	GENE-4069_85	48.3
7230	6B	9273	IWB9273	BS00064409_51	48.3
7231	6B	9004	IWB9004	BS00063103_51	48.3

7232	6B	25445	IWB25445	Excalibur_c3432_459	48.3
7233	6B	906	IWB906	BobWhite_c1633_643	48.3
7234	6B	77617	IWA3221	wsnp_Ex_c2925_5397331	48.3
7235	6B	75611	IWA404	wsnp_BE637911B_Ta_2_1	48.3
7236	6B	58494	IWB58494	RAC875_c4891_99	48.3
7237	6B	35681	IWB35681	IACX11289	48.3
7238	6B	29386	IWB29386	Excalibur_c92249_102	48.3
7239	6B	72325	IWB72325	Tdurum_contig53779_1074	48.3
7240	6B	10330	IWB10330	BS00068506_51	48.3
7241	6B	71722	IWB71722	Tdurum_contig46808_4106	48.3
7242	6B	76408	IWA1628	wsnp_Ex_c12433_19826311	48.3
7243	6B	60413	IWB60413	RAC875_c7630_1383	48.3
7244	6B	75612	IWA405	wsnp_BE637911B_Ta_2_2	48.3
7245	6B	8110	IWB8110	BS00037464_51	48.3
7246	6B	33781	IWB33781	GENE-4093_178	48.3
7247	6B	33589	IWB33589	GENE-3758_627	48.3
7248	6B	76409	IWA1629	wsnp_Ex_c12433_19827016	48.3
7249	6B	58149	IWB58149	RAC875_c45515_65	48.3
7250	6B	55511	IWB55511	RAC875_c23461_428	48.3
7251	6B	45810	IWB45810	Kukri_c4780_395	48.3
7252	6B	25446	IWB25446	Excalibur_c3432_98	48.3
7253	6B	14386	IWB14386	CAP7_rep_c12929_169	48.3
7254	6B	8109	IWB8109	BS00037462_51	48.3
7255	6B	14387	IWB14387	CAP7_rep_c12929_224	48.3
7256	6B	77073	IWA2474	wsnp_Ex_c19874_28891457	48.3
7257	6B	24572	IWB24572	Excalibur_c2737_197	48.3
7258	6B	46771	IWB46771	Kukri_c58961_76	48.3
7259	6B	46184	IWB46184	Kukri_c5168_162	49.7
7260	6B	72198	IWB72198	Tdurum_contig51640_847	49.7
7261	6B	22095	IWB22095	Excalibur_c12464_390	49.7
7262	6B	51320	IWB51320	Ra_c18658_1048	49.7
7263	6B	7881	IWB7881	BS00032243_51	50.0
7264	6B	9964	IWB9964	BS00067129_51	50.2
7265	6B	70366	IWB70366	Tdurum_contig32579_121	50.2
7266	6B	22960	IWB22960	Excalibur_c17348_264	50.2
7267	6B	12742	IWB12742	CAP11_c204_238	50.2
7268	6B	36530	IWB36530	Jagger_c3235_381	50.2
7269	6B	81245	IWA8064	wsnp_Ra_c7468_12851157	50.2
7270	6B	22961	IWB22961	Excalibur_c17348_300	50.2
7271	6B	77141	IWA2564	wsnp_Ex_c20999_30122041	50.2
7272	6B	74080	IWB74080	tplb0021a17_853	50.2
7273	6B	45036	IWB45036	Kukri_c40428_72	50.8
7274	6B	78792	IWA4717	wsnp_Ex_c7713_13153321	51.0
7275	6B	26890	IWB26890	Excalibur_c47675_176	51.0
7276	6B	10199	IWB10199	BS00067983_51	51.0
7277	6B	39172	IWB39172	Ku_c32100_105	51.0
7278	6B	47632	IWB47632	Kukri_c75359_152	51.0
7279	6B	76566	IWA1816	wsnp_Ex_c1383_2651887	51.0
7280	6B	76567	IWA1817	wsnp_Ex_c1383_2652398	51.0
7281	6B	60708	IWB60708	RAC875_c82640_416	51.6
7282	6B	2759	IWB2759	BobWhite_c3514_717	51.6
7283	6B	52227	IWB52227	Ra_c5297_2104	51.6
7284	6B	73204	IWB73204	Tdurum_contig71517_158	51.6
7285	6B	50537	IWB50537	Kukri_rep_c95718_805	51.6

7286	6B	8068	IWB8068	BS00036830_51	52.1
7287	6B	68655	IWB68655	Tdurum_contig17421_310	52.1
7288	6B	34340	IWB34340	IAAV1218	52.1
7289	6B	7417	IWB7417	BS00023080_51	52.1
7290	6B	30504	IWB30504	Excalibur_rep_c110824_66	52.1
7291	6B	12425	IWB12425	BS00109717_51	52.1
7292	6B	65959	IWB65959	TA005327-0480	53.8
7293	6B	27812	IWB27812	Excalibur_c58410_729	53.8
7294	6B	63870	IWB63870	RFL_Contig2206_1694	53.8
7295	6B	79538	IWA5666	wsnp_Ex_rep_c70036_68988728	53.8
7296	6B	19986	IWB19986	Ex_c17379_1431	55.8
7297	6B	76881	IWA2212	wsnp_Ex_c17379_26073344	55.8
7298	6B	24596	IWB24596	Excalibur_c276_1585	58.7
7299	6B	49568	IWB49568	Kukri_rep_c112678_555	58.7
7300	6B	10268	IWB10268	BS00068245_51	58.7
7301	6B	36435	IWB36435	Jagger_c1231_85	76.7
7302	6B	64113	IWB64113	RFL_Contig2877_804	76.7
7303	6B	71379	IWB71379	Tdurum_contig42927_1141	77.5
7304	6B	59005	IWB59005	RAC875_c5413_1237	77.8
7305	6B	78423	IWA4246	wsnp_Ex_c54772_57528275	77.8
7306	6B	67459	IWB67459	Tdurum_contig12123_197	77.8
7307	6B	72761	IWB72761	Tdurum_contig60988_365	77.8
7308	6B	13085	IWB13085	CAP11_c949_196	77.8
7309	6B	72471	IWB72471	Tdurum_contig55744_822	77.8
7310	6B	30288	IWB30288	Excalibur_rep_c107705_351	77.8
7311	6B	31243	IWB31243	Excalibur_rep_c75101_108	77.8
7312	6B	70317	IWB70317	Tdurum_contig3203_291	77.8
7313	6B	14375	IWB14375	CAP7_rep_c12573_126	77.8
7314	6B	70316	IWB70316	Tdurum_contig3203_208	77.8
7315	6B	30438	IWB30438	Excalibur_rep_c109798_389	77.8
7316	6B	30284	IWB30284	Excalibur_rep_c107658_638	77.8
7317	6B	59006	IWB59006	RAC875_c5413_1266	77.8
7318	6B	3121	IWB3121	BobWhite_c40465_344	78.1
7319	6B	58199	IWB58199	RAC875_c45987_106	78.9
7320	6B	33694	IWB33694	GENE-3965_471	79.1
7321	6B	59306	IWB59306	RAC875_c57692_88	79.7
7322	6B	72122	IWB72122	Tdurum_contig50822_456	79.7
7323	6B	33847	IWB33847	GENE-4225_117	80.0
7324	6B	10851	IWB10851	BS00076101_51	83.4
7325	6B	54633	IWB54633	RAC875_c1823_1681	83.7
7326	6B	65615	IWB65615	TA002907-0816	83.7
7327	6B	54402	IWB54402	RAC875_c17011_717	83.7
7328	6B	46894	IWB46894	Kukri_c60966_261	83.7
7329	6D	78233	IWA4000	wsnp_Ex_c4789_8550135	0.0
7330	6D	80209	IWA6673	wsnp_Ku_c19587_29102203	0.3
7331	6D	206	IWB206	BobWhite_c11347_194	0.3
7332	6D	46507	IWB46507	Kukri_c55362_75	0.3
7333	6D	64081	IWB64081	RFL_Contig2815_1135	0.3
7334	6D	55116	IWB55116	RAC875_c2102_3487	0.3
7335	6D	65608	IWB65608	TA002853-0110-w	0.3
7336	6D	76629	IWA1896	wsnp_Ex_c14439_22426200	0.3
7337	6D	77810	IWA3461	wsnp_Ex_c3405_6252997	1.1
7338	6D	61233	IWB61233	RAC875_c98242_422	1.1
7339	6D	59282	IWB59282	RAC875_c57371_238	1.1

7340	6D	48184	IWB48184	Kukri_c89555_57	1.1
7341	6D	20535	IWB20535	Ex_c3405_203	1.1
7342	6D	4285	IWB4285	BobWhite_c7090_522	1.4
7343	6D	4286	IWB4286	BobWhite_c7090_778	1.4
7344	6D	31346	IWB31346	Excalibur_rep_c84264_67	1.7
7345	6D	49820	IWB49820	Kukri_rep_c68823_315	1.9
7346	6D	31561	IWB31561	Excalibur_s114066_247	1.9
7347	6D	9065	IWB9065	BS00063476_51	1.9
7348	6D	49821	IWB49821	Kukri_rep_c68823_696	1.9
7349	6D	15852	IWB15852	D_contig17056_55	2.5
7350	6D	18587	IWB18587	D_GBUVHFX01BJVOK_322	12.8
7351	6D	75262	IWB75262	tplb0060j17_363	16.4
7352	6D	74251	IWB74251	tplb0025k19_1539	16.6
7353	6D	5908	IWB5908	BS00003852_51	26.4
7354	6D	55904	IWB55904	RAC875_c26177_632	26.4
7355	6D	74684	IWB74684	tplb0040h19_458	30.7
7356	6D	15253	IWB15253	D_contig03207_141	40.6
7357	6D	81537	IWA8540	wsnp_RFL_Contig3946_4380285	40.8
7358	6D	56138	IWB56138	RAC875_c27962_341	43.1
7359	6D	65231	IWB65231	RFL_Contig6162_597	44.2
7360	6D	29676	IWB29676	Excalibur_c9970_273	49.0
7361	6D	18875	IWB18875	D_GCE8AKX02GZU30_69	49.5
7362	6D	49888	IWB49888	Kukri_rep_c69358_828	49.5
7363	6D	44500	IWB44500	Kukri_c35949_523	49.8
7364	6D	64459	IWB64459	RFL_Contig3710_359	52.1
7365	6D	16167	IWB16167	D_contig24171_152	57.6
7366	6D	16888	IWB16888	D_contig55758_483	57.6
7367	6D	16191	IWB16191	D_contig24690_252	57.6
7368	6D	26326	IWB26326	Excalibur_c42372_1617	57.6
7369	6D	81364	IWA8245	wsnp_RFL_Contig1427_580520	57.8
7370	6D	44501	IWB44501	Kukri_c35951_337	58.1
7371	6D	35645	IWB35645	IACX10982	60.7
7372	6D	18817	IWB18817	D_GCE8AKX01CTXDI_46	62.3
7373	6D	81394	IWA8292	wsnp_RFL_Contig2100_1362130	62.6
7374	6D	29064	IWB29064	Excalibur_c8325_1317	62.6
7375	6D	18096	IWB18096	D_GB5Y7FA02HFOHW_127	68.7
7376	6D	19509	IWB19509	D_wsnpbe497701_Contig1_2	68.7
7377	6D	15745	IWB15745	D_contig14679_369	68.7
7378	6D	26550	IWB26550	Excalibur_c4445_307	68.7
7379	6D	41519	IWB41519	Kukri_c16093_636	68.7
7380	6D	17634	IWB17634	D_F5XZDLF02HAE1S_321	68.7
7381	6D	80917	IWA7616	wsnp_Ra_c13881_21836489	70.7
7382	6D	25578	IWB25578	Excalibur_c3526_106	89.8
7383	6D	42267	IWB42267	Kukri_c20152_490	91.8
7384	6D	54977	IWB54977	RAC875_c20242_284	93.0
7385	6D	17785	IWB17785	D_GA8KES401DM316_316	93.2
7386	6D	45922	IWB45922	Kukri_c48922_244	93.2
7387	6D	18838	IWB18838	D_GCE8AKX01DVTYJ_306	93.2
7388	6D	45921	IWB45921	Kukri_c48922_152	93.2
7389	6D	63310	IWB63310	RAC875_rep_c92223_254	93.5
7390	6D	46628	IWB46628	Kukri_c57006_127	97.7
7391	6D	24811	IWB24811	Excalibur_c2925_238	98.8
7392	6D	81464	IWA8408	wsnp_RFL_Contig2937_2798959	105.6
7393	6D	81465	IWA8412	wsnp_RFL_Contig2978_2848362	105.6

7394	6D	6336	IWB6336	BS00011061_51	105.6
7395	6D	81513	IWA8503	wsnp_RFL_Contig3708_3946935	109.1
7396	6D	17801	IWB17801	D_GA8KES401EBZR6_76	110.3
7397	6D	2065	IWB2065	BobWhite_c27145_731	110.8
7398	6D	34557	IWB34557	IAAV2433	111.1
7399	6D	48102	IWB48102	Kukri_c8698_292	111.6
7400	6D	33813	IWB33813	GENE-4178_89	112.5
7401	6D	34979	IWB34979	IAAV5158	114.1
7402	6D	34586	IWB34586	IAAV262	114.1
7403	6D	12800	IWB12800	CAP11_c2649_327	114.1
7404	6D	20283	IWB20283	Ex_c25390_395	114.1
7405	6D	74822	IWB74822	tplb0045d23_567	114.1
7406	6D	79162	IWA5180	wsnp_Ex_rep_c110800_93013978	114.1
7407	6D	62192	IWB62192	RAC875_rep_c113188_81	114.1
7408	6D	14382	IWB14382	CAP7_rep_c12716_77	114.1
7409	6D	20284	IWB20284	Ex_c25390_404	114.1
7410	6D	77424	IWA2965	wsnp_Ex_c25390_34654575	114.1
7411	6D	27423	IWB27423	Excalibur_c53816_233	114.1
7412	6D	54104	IWB54104	RAC875_c15525_271	114.1
7413	6D	34312	IWB34312	IAAV1012	114.4
7414	6D	24926	IWB24926	Excalibur_c30035_368	114.4
7415	6D	21244	IWB21244	Ex_c7086_154	114.7
7416	6D	34805	IWB34805	IAAV3944	114.7
7417	6D	29056	IWB29056	Excalibur_c83056_83	114.7
7418	6D	27630	IWB27630	Excalibur_c5612_711	114.7
7419	6D	26363	IWB26363	Excalibur_c4261_1098	114.7
7420	6D	28990	IWB28990	Excalibur_c8134_1319	115.2
7421	6D	20472	IWB20472	Ex_c31468_598	115.2
7422	6D	76234	IWA1406	wsnp_Ex_c10910_17729008	115.5
7423	6D	15598	IWB15598	D_contig10996_530	116.0
7424	6D	22598	IWB22598	Excalibur_c15309_646	116.0
7425	6D	53907	IWB53907	RAC875_c14354_907	116.3
7426	6D	53908	IWB53908	RAC875_c14354_934	116.3
7427	6D	80533	IWA7091	wsnp_Ku_c4603_8305972	116.6
7428	6D	76505	IWA1741	wsnp_Ex_c13188_20825019	116.9
7429	6D	30619	IWB30619	Excalibur_rep_c113131_624	117.1
7430	6D	65984	IWB65984	TA005561-0543	117.1
7431	6D	80827	IWA7490	wsnp_Ku_rep_c71225_70941765	117.1
7432	6D	78163	IWA3911	wsnp_Ex_c4480_8055475	117.1
7433	6D	78164	IWA3912	wsnp_Ex_c4480_8056013	117.1
7434	6D	78166	IWA3914	wsnp_Ex_c4480_8057184	117.1
7435	6D	40695	IWB40695	Kukri_c11902_580	117.1
7436	6D	23673	IWB23673	Excalibur_c21688_724	117.1
7437	6D	78162	IWA3910	wsnp_Ex_c4480_8055163	117.4
7438	6D	1134	IWB1134	BobWhite_c18136_441	117.4
7439	6D	49920	IWB49920	Kukri_rep_c69637_318	117.4
7440	6D	78165	IWA3913	wsnp_Ex_c4480_8056354	117.4
7441	6D	11495	IWB11495	BS00087343_51	117.7
7442	6D	11494	IWB11494	BS00087334_51	117.7
7443	6D	4005	IWB4005	BobWhite_c5847_919	117.7
7444	6D	50622	IWB50622	Kukri_s109823_59	117.7
7445	6D	57502	IWB57502	RAC875_c3928_422	118.0
7446	6D	51207	IWB51207	Ra_c16172_309	118.2
7447	6D	36074	IWB36074	IACX5958	118.2

7448	6D	66694	IWB66694	Tdurum_contig10729_502	121.4
7449	6D	58585	IWB58585	RAC875_c49751_75	121.4
7450	6D	55265	IWB55265	RAC875_c21938_1270	121.4
7451	6D	32150	IWB32150	GENE-0925_515	121.7
7452	6D	41219	IWB41219	Kukri_c14511_217	121.7
7453	6D	77726	IWA3350	wsnp_Ex_c31584_40355363	121.7
7454	6D	505	IWB505	BobWhite_c13435_700	121.7
7455	6D	13935	IWB13935	CAP7_c2559_543	121.7
7456	6D	16198	IWB16198	D_contig24848_84	122.3
7457	6D	75474	IWA203	wsnp_BE471213D_Ta_2_1	122.3
7458	6D	10505	IWB10505	BS00070856_51	122.3
7459	6D	64010	IWB64010	RFL_Contig2615_982	122.3
7460	7A	33906	IWB33906	GENE-4335_35	0.0
7461	7A	9323	IWB9323	BS00064576_51	0.3
7462	7A	11368	IWB11368	BS00084477_51	0.5
7463	7A	44621	IWB44621	Kukri_c36885_58	7.8
7464	7A	67845	IWB67845	Tdurum_contig13048_89	9.5
7465	7A	40741	IWB40741	Kukri_c12113_837	9.5
7466	7A	38593	IWB38593	Ku_c1738_2299	9.5
7467	7A	47685	IWB47685	Kukri_c76470_79	9.5
7468	7A	2606	IWB2606	BobWhite_c33103_439	9.5
7469	7A	72404	IWB72404	Tdurum_contig54860_525	9.5
7470	7A	43608	IWB43608	Kukri_c28866_183	9.5
7471	7A	54330	IWB54330	RAC875_c16644_1722	9.5
7472	7A	54331	IWB54331	RAC875_c16644_491	9.5
7473	7A	2607	IWB2607	BobWhite_c33103_476	9.5
7474	7A	65328	IWB65328	TA001002-0479	9.5
7475	7A	24232	IWB24232	Excalibur_c24882_848	9.5
7476	7A	67844	IWB67844	Tdurum_contig13048_450	9.5
7477	7A	54421	IWB54421	RAC875_c17185_90	9.5
7478	7A	55129	IWB55129	RAC875_c21119_305	9.5
7479	7A	12708	IWB12708	CAP11_c1661_59	9.5
7480	7A	11337	IWB11337	BS00084039_51	9.5
7481	7A	11336	IWB11336	BS00084036_51	9.5
7482	7A	7062	IWB7062	BS00022404_51	9.5
7483	7A	2340	IWB2340	BobWhite_c30138_69	9.5
7484	7A	65964	IWB65964	TA005348-0816	9.5
7485	7A	73889	IWB73889	Tdurum_contig93663_457	9.5
7486	7A	41940	IWB41940	Kukri_c1831_1243	9.5
7487	7A	73823	IWB73823	Tdurum_contig92906_272	9.5
7488	7A	32052	IWB32052	GENE-0689_601	9.8
7489	7A	6597	IWB6597	BS00014126_51	11.8
7490	7A	61248	IWB61248	RAC875_c98675_226	11.8
7491	7A	10181	IWB10181	BS00067904_51	12.9
7492	7A	11150	IWB11150	BS00080831_51	13.2
7493	7A	6096	IWB6096	BS00009677_51	13.2
7494	7A	27935	IWB27935	Excalibur_c60134_182	14.3
7495	7A	81220	IWA8032	wsnp_Ra_c63822_63288359	14.3
7496	7A	59812	IWB59812	RAC875_c63822_185	14.3
7497	7A	73682	IWB73682	Tdurum_contig85217_206	19.8
7498	7A	75917	IWA834	wsnp_CAP11_rep_c4066_1921894	21.8
7499	7A	44377	IWB44377	Kukri_c34887_734	22.1
7500	7A	65343	IWB65343	TA001117-0895	22.1
7501	7A	59995	IWB59995	RAC875_c6600_716	22.4

7502	7A	10757	IWB10757	BS00074731_51	23.2
7503	7A	12296	IWB12296	BS00106739_51	23.2
7504	7A	7349	IWB7349	BS00022970_51	23.2
7505	7A	7431	IWB7431	BS00023117_51	23.2
7506	7A	24322	IWB24322	Excalibur_c25471_225	23.2
7507	7A	30960	IWB30960	Excalibur_rep_c68458_1536	24.9
7508	7A	29333	IWB29333	Excalibur_c9109_428	26.6
7509	7A	31010	IWB31010	Excalibur_rep_c68955_286	26.9
7510	7A	71609	IWB71609	Tdurum_contig45437_1667	28.6
7511	7A	9397	IWB9397	BS00064892_51	30.0
7512	7A	67721	IWB67721	Tdurum_contig12722_779	30.0
7513	7A	71683	IWB71683	Tdurum_contig46393_3115	30.0
7514	7A	65110	IWB65110	RFL_Contig5743_2000	30.0
7515	7A	10168	IWB10168	BS00067845_51	30.0
7516	7A	9078	IWB9078	BS00063549_51	30.0
7517	7A	75977	IWA954	wsnp_CAP12_c3056_1439567	30.5
7518	7A	74238	IWB74238	tplb0025h15_643	30.8
7519	7A	207	IWB207	BobWhite_c11354_376	30.8
7520	7A	55491	IWB55491	RAC875_c23339_236	30.8
7521	7A	73582	IWB73582	Tdurum_contig82572_327	32.4
7522	7A	73583	IWB73583	Tdurum_contig82572_392	32.4
7523	7A	68730	IWB68730	Tdurum_contig18446_225	32.4
7524	7A	73584	IWB73584	Tdurum_contig82572_442	32.4
7525	7A	73581	IWB73581	Tdurum_contig82572_293	32.4
7526	7A	73571	IWB73571	Tdurum_contig82438_73	34.1
7527	7A	59817	IWB59817	RAC875_c63889_486	34.1
7528	7A	73570	IWB73570	Tdurum_contig82438_136	34.1
7529	7A	12626	IWB12626	BS00111112_51	43.2
7530	7A	40574	IWB40574	Kukri_c11325_337	43.2
7531	7A	3609	IWB3609	BobWhite_c47709_141	43.2
7532	7A	67315	IWB67315	Tdurum_contig11827_216	43.2
7533	7A	49383	IWB49383	Kukri_rep_c109098_132	43.2
7534	7A	67316	IWB67316	Tdurum_contig11827_678	43.2
7535	7A	78046	IWA3760	wsnp_Ex_c41150_48040078	51.1
7536	7A	52818	IWB52818	Ra_c9427_300	51.1
7537	7A	56953	IWB56953	RAC875_c3450_836	51.1
7538	7A	6927	IWB6927	BS00022145_51	53.9
7539	7A	20735	IWB20735	Ex_c4463_146	53.9
7540	7A	10719	IWB10719	BS00074230_51	53.9
7541	7A	11091	IWB11091	BS00079614_51	55.0
7542	7A	48426	IWB48426	Kukri_c96054_123	55.8
7543	7A	78530	IWA4386	wsnp_Ex_c5939_10417052	55.8
7544	7A	46670	IWB46670	Kukri_c5757_530	56.1
7545	7A	7985	IWB7985	BS00034689_51	56.6
7546	7A	8234	IWB8234	BS00040600_51	56.6
7547	7A	80621	IWA7205	wsnp_Ku_c6065_10682531	56.6
7548	7A	8235	IWB8235	BS00040601_51	56.6
7549	7A	34025	IWB34025	GENE-4587_50	56.6
7550	7A	25357	IWB25357	Excalibur_c33589_373	56.6
7551	7A	60588	IWB60588	RAC875_c7988_1588	56.6
7552	7A	52939	IWB52939	RAC875_c101928_381	56.6
7553	7A	12628	IWB12628	BS00111120_51	57.1
7554	7A	72818	IWB72818	Tdurum_contig61653_948	57.1
7555	7A	7104	IWB7104	BS00022475_51	57.7

7556	7A	25263	IWB25263	Excalibur_c32859_652	58.2
7557	7A	11775	IWB11775	BS00092805_51	61.5
7558	7A	10156	IWB10156	BS00067808_51	61.8
7559	7A	12099	IWB12099	BS00099876_51	61.8
7560	7A	18841	IWB18841	D_GCE8AKX01EG53N_294	61.8
7561	7A	9633	IWB9633	BS00065789_51	62.0
7562	7A	75548	IWA305	wsnp_BE498209A_Ta_2_1	62.3
7563	7A	40447	IWB40447	Kukri_c108278_520	64.0
7564	7A	76245	IWA1418	wsnp_Ex_c10988_17836981	64.0
7565	7A	39180	IWB39180	Ku_c3251_1103	64.0
7566	7A	62936	IWB62936	RAC875_rep_c73101_932	64.0
7567	7A	69646	IWB69646	Tdurum_contig28838_226	64.0
7568	7A	51943	IWB51943	Ra_c3705_2101	64.0
7569	7A	11089	IWB11089	BS00079591_51	64.0
7570	7A	9983	IWB9983	BS00067200_51	64.0
7571	7A	72880	IWB72880	Tdurum_contig62237_531	64.0
7572	7A	34519	IWB34519	IAAV222	64.0
7573	7A	5607	IWB5607	BobWhite_rep_c66337_650	64.0
7574	7A	52367	IWB52367	Ra_c64159_441	64.0
7575	7A	45583	IWB45583	Kukri_c45895_132	64.0
7576	7A	28701	IWB28701	Excalibur_c7415_148	64.0
7577	7A	81046	IWA7792	wsnp_Ra_c25918_35485125	64.0
7578	7A	77002	IWA2381	wsnp_Ex_c19198_28115812	64.0
7579	7A	60298	IWB60298	RAC875_c7138_264	64.0
7580	7A	59874	IWB59874	RAC875_c64450_145	64.0
7581	7A	35503	IWB35503	IAAV8611	64.0
7582	7A	23482	IWB23482	Excalibur_c20450_230	64.0
7583	7A	80998	IWA7724	wsnp_Ra_c20371_29633358	64.0
7584	7A	79882	IWA6183	wsnp_JD_c7987_9038994	64.0
7585	7A	59583	IWB59583	RAC875_c61210_285	64.0
7586	7A	52438	IWB52438	Ra_c6845_1501	64.0
7587	7A	50244	IWB50244	Kukri_rep_c73018_94	64.0
7588	7A	20679	IWB20679	Ex_c41740_166	64.0
7589	7A	39122	IWB39122	Ku_c307_1994	64.0
7590	7A	19819	IWB19819	Ex_c13716_356	64.0
7591	7A	10939	IWB10939	BS00077560_51	64.0
7592	7A	9156	IWB9156	BS00063933_51	64.0
7593	7A	9049	IWB9049	BS00063383_51	64.0
7594	7A	75892	IWA788	wsnp_CAP11_c592_400447	64.0
7595	7A	70239	IWB70239	Tdurum_contig31407_132	64.0
7596	7A	65015	IWB65015	RFL_Contig5478_741	64.0
7597	7A	52898	IWB52898	RAC875_c10054_2066	64.0
7598	7A	81319	IWA8171	wsnp_Ra_rep_c70756_68674560	64.0
7599	7A	9602	IWB9602	BS00065647_51	64.0
7600	7A	67471	IWB67471	Tdurum_contig12156_160	64.0
7601	7A	9702	IWB9702	BS00066045_51	64.0
7602	7A	36723	IWB36723	Jagger_c7141_114	64.0
7603	7A	80818	IWA7472	wsnp_Ku_rep_c70256_69818445	64.0
7604	7A	6806	IWB6806	BS00021936_51	64.0
7605	7A	38806	IWB38806	Ku_c2205_1317	64.0
7606	7A	8022	IWB8022	BS00035678_51	64.0
7607	7A	69937	IWB69937	Tdurum_contig29988_148	64.3
7608	7A	8935	IWB8935	BS00062829_51	68.1
7609	7A	65698	IWB65698	TA003505-0833	68.1

7610	7A	3398	IWB3398	BobWhite_c44762_182	68.9
7611	7A	8256	IWB8256	BS00040992_51	69.7
7612	7A	81373	IWA8258	wsnp_RFL_Contig1800_931423	69.7
7613	7A	13779	IWB13779	CAP7_c12333_392	69.7
7614	7A	5246	IWB5246	BobWhite_rep_c60436_231	69.7
7615	7A	77513	IWA3082	wsnp_Ex_c26923_36144147	70.0
7616	7A	53344	IWB53344	RAC875_c114809_130	70.0
7617	7A	35428	IWB35428	IAAV8081	70.0
7618	7A	32596	IWB32596	GENE-1685_148	70.0
7619	7A	13686	IWB13686	CAP7_c10038_214	70.0
7620	7A	23998	IWB23998	Excalibur_c2359_1511	70.2
7621	7A	81030	IWA7770	wsnp_Ra_c23285_32795964	70.2
7622	7A	80532	IWA7089	wsnp_Ku_c4591_8286583	70.2
7623	7A	80531	IWA7088	wsnp_Ku_c4591_8286024	70.2
7624	7A	27404	IWB27404	Excalibur_c53632_204	70.2
7625	7A	46770	IWB46770	Kukri_c58950_69	70.2
7626	7A	72485	IWB72485	Tdurum_contig56144_277	70.2
7627	7A	79009	IWA4996	wsnp_Ex_c9982_16429661	70.2
7628	7A	72620	IWB72620	Tdurum_contig58312_119	70.2
7629	7A	72486	IWB72486	Tdurum_contig56144_369	70.2
7630	7A	75646	IWA448	wsnp_BF293181A_Ta_2_4	70.2
7631	7A	58340	IWB58340	RAC875_c4732_1672	70.2
7632	7A	63636	IWB63636	RFL_Contig1433_929	70.5
7633	7A	21330	IWB21330	Ex_c7833_486	70.8
7634	7A	8790	IWB8790	BS00059928_51	71.1
7635	7A	76717	IWA2011	wsnp_Ex_c15341_23592075	76.1
7636	7A	78452	IWA4288	wsnp_Ex_c5608_9867710	76.1
7637	7A	11795	IWB11795	BS00093156_51	76.1
7638	7A	76718	IWA2012	wsnp_Ex_c15341_23592177	76.1
7639	7A	79767	IWA6004	wsnp_JD_c3225_4227048	76.7
7640	7A	8359	IWB8359	BS00044234_51	76.7
7641	7A	10547	IWB10547	BS00071424_51	76.7
7642	7A	72494	IWB72494	Tdurum_contig56175_791	77.0
7643	7A	4809	IWB4809	BobWhite_rep_c49790_351	77.0
7644	7A	9062	IWB9062	BS00063458_51	78.4
7645	7A	9063	IWB9063	BS00063460_51	78.4
7646	7A	14235	IWB14235	CAP7_c7296_88	78.4
7647	7A	4764	IWB4764	BobWhite_rep_c49367_405	78.6
7648	7A	10968	IWB10968	BS00077891_51	80.3
7649	7A	6963	IWB6963	BS00022202_51	80.3
7650	7A	52737	IWB52737	Ra_c8394_1381	80.3
7651	7A	42182	IWB42182	Kukri_c19696_60	81.7
7652	7A	57103	IWB57103	RAC875_c35723_106	83.1
7653	7A	9769	IWB9769	BS00066295_51	83.1
7654	7A	73704	IWB73704	Tdurum_contig8615_230	83.1
7655	7A	23775	IWB23775	Excalibur_c22219_254	83.1
7656	7A	11812	IWB11812	BS00093512_51	83.1
7657	7A	77291	IWA2776	wsnp_Ex_c23102_32328852	83.1
7658	7A	77290	IWA2775	wsnp_Ex_c23102_32328851	83.1
7659	7A	72845	IWB72845	Tdurum_contig61966_1069	83.1
7660	7A	75768	IWA614	wsnp_BQ160404A_Ta_1_1	83.4
7661	7A	79403	IWA5489	wsnp_Ex_rep_c68047_66792559	83.7
7662	7A	50294	IWB50294	Kukri_rep_c74538_62	83.7
7663	7A	73139	IWB73139	Tdurum_contig69067_405	83.7

7664	7A	71382	IWB71382	Tdurum_contig42954_1081	83.7
7665	7A	26183	IWB26183	Excalibur_c40881_182	85.4
7666	7A	10044	IWB10044	BS00067425_51	86.6
7667	7A	59224	IWB59224	RAC875_c56692_170	86.6
7668	7A	778	IWB778	BobWhite_c15352_394	86.6
7669	7A	35291	IWB35291	IAAV7117	86.6
7670	7A	10552	IWB10552	BS00071478_51	86.6
7671	7A	11584	IWB11584	BS00088825_51	86.6
7672	7A	6690	IWB6690	BS00021261_51	86.6
7673	7A	10093	IWB10093	BS00067610_51	86.6
7674	7A	57762	IWB57762	RAC875_c41659_794	86.6
7675	7A	335	IWB335	BobWhite_c12302_368	87.1
7676	7A	6138	IWB6138	BS00009926_51	87.1
7677	7A	712	IWB712	BobWhite_c149_1839	87.1
7678	7A	21786	IWB21786	Excalibur_c11047_424	87.1
7679	7A	21785	IWB21785	Excalibur_c11047_160	87.1
7680	7A	76490	IWA1725	wsnp_Ex_c1309_2503093	87.1
7681	7A	71670	IWB71670	Tdurum_contig46334_832	87.1
7682	7A	57246	IWB57246	RAC875_c37085_317	87.1
7683	7A	79667	IWA5852	wsnp_JD_c149_238783	87.1
7684	7A	80496	IWA7046	wsnp_Ku_c42539_50247426	87.1
7685	7A	80495	IWA7045	wsnp_Ku_c42539_50247333	87.1
7686	7A	79628	IWA5790	wsnp_JD_c1201_1745713	87.4
7687	7A	53267	IWB53267	RAC875_c1115_341	87.7
7688	7A	51129	IWB51129	Ra_c14761_1468	87.7
7689	7A	713	IWB713	BobWhite_c149_3064	87.7
7690	7A	78944	IWA4910	wsnp_Ex_c9428_15641609	88.2
7691	7A	78945	IWA4911	wsnp_Ex_c9428_15641639	88.2
7692	7A	13913	IWB13913	CAP7_c2350_105	88.8
7693	7A	29518	IWB29518	Excalibur_c95707_285	89.1
7694	7A	79705	IWA5912	wsnp_JD_c20555_18262260	89.1
7695	7A	79706	IWA5913	wsnp_JD_c20555_18262317	89.1
7696	7A	6693	IWB6693	BS00021657_51	89.1
7697	7A	58299	IWB58299	RAC875_c46980_148	90.5
7698	7A	45057	IWB45057	Kukri_c40735_318	95.9
7699	7A	81398	IWA8297	wsnp_RFL_Contig2136_1423367	95.9
7700	7A	27037	IWB27037	Excalibur_c49272_174	96.2
7701	7A	45565	IWB45565	Kukri_c45763_319	99.8
7702	7A	41336	IWB41336	Kukri_c15151_249	99.8
7703	7A	44281	IWB44281	Kukri_c34147_152	99.8
7704	7A	78598	IWA4483	wsnp_Ex_c6354_11053460	100.9
7705	7A	54820	IWB54820	RAC875_c19332_645	100.9
7706	7A	78378	IWA4187	wsnp_Ex_c53442_56678505	100.9
7707	7A	70291	IWB70291	Tdurum_contig31699_276	106.6
7708	7A	70292	IWB70292	Tdurum_contig31699_300	106.6
7709	7A	44026	IWB44026	Kukri_c31824_636	106.6
7710	7A	12038	IWB12038	BS00098482_51	108.0
7711	7A	79006	IWA4993	wsnp_Ex_c9971_16412615	108.0
7712	7A	79005	IWA4992	wsnp_Ex_c9971_16412345	108.0
7713	7A	80144	IWA6576	wsnp_Ku_c16022_24798741	128.5
7714	7A	10682	IWB10682	BS00073644_51	129.9
7715	7A	7367	IWB7367	BS00023003_51	129.9
7716	7A	8841	IWB8841	BS00061593_51	130.5
7717	7A	80464	IWA7005	wsnp_Ku_c3929_7189422	130.5

7718	7A	79701	IWA5904	wsnp_JD_c19925_17854742	130.5
7719	7A	6923	IWB6923	BS00022137_51	130.5
7720	7A	6675	IWB6675	BS00020236_51	130.5
7721	7A	9244	IWB9244	BS00064302_51	130.7
7722	7A	6132	IWB6132	BS00009886_51	131.0
7723	7A	36289	IWB36289	IACX8328	131.0
7724	7A	41099	IWB41099	Kukri_c13821_1990	131.5
7725	7A	67930	IWB67930	Tdurum_contig13276_115	131.5
7726	7A	41880	IWB41880	Kukri_c18055_1740	131.5
7727	7A	29740	IWB29740	Excalibur_rep_c101582_828	131.5
7728	7A	73544	IWB73544	Tdurum_contig81947_779	131.5
7729	7A	69525	IWB69525	Tdurum_contig28435_107	131.5
7730	7B	72316	IWB72316	Tdurum_contig5352_556	0.0
7731	7B	70085	IWB70085	Tdurum_contig30677_55	2.0
7732	7B	25434	IWB25434	Excalibur_c3423_994	2.0
7733	7B	76084	IWA1181	wsnp_CAP8_c334_304253	2.0
7734	7B	57207	IWB57207	RAC875_c36670_72	2.3
7735	7B	34191	IWB34191	GENE-4833_102	8.5
7736	7B	35038	IWB35038	IAAV5530	9.6
7737	7B	76049	IWA1089	wsnp_CAP7_c44_26549	9.6
7738	7B	76102	IWA1220	wsnp_CAP8_rep_c3687_1819173	11.4
7739	7B	26212	IWB26212	Excalibur_c41298_459	11.6
7740	7B	65586	IWB65586	TA002655-1964	11.6
7741	7B	12630	IWB12630	BS00111144_51	11.9
7742	7B	35941	IWB35941	IACX3991	13.3
7743	7B	6883	IWB6883	BS00022056_51	13.3
7744	7B	7029	IWB7029	BS00022326_51	13.3
7745	7B	53146	IWB53146	RAC875_c10672_440	14.4
7746	7B	36633	IWB36633	Jagger_c5321_98	14.7
7747	7B	39492	IWB39492	Ku_c46689_1653	14.7
7748	7B	8652	IWB8652	BS00054881_51	14.7
7749	7B	34205	IWB34205	GENE-4862_1104	14.7
7750	7B	34206	IWB34206	GENE-4862_674	14.7
7751	7B	75691	IWA518	wsnp_BF485380B_Ta_2_1	14.7
7752	7B	34204	IWB34204	GENE-4862_1014	14.7
7753	7B	60479	IWB60479	RAC875_c77603_334	14.7
7754	7B	36476	IWB36476	Jagger_c2161_211	14.7
7755	7B	23883	IWB23883	Excalibur_c22903_710	14.7
7756	7B	34207	IWB34207	GENE-4862_901	14.7
7757	7B	26214	IWB26214	Excalibur_c41318_159	14.7
7758	7B	65888	IWB65888	TA004831-0260	14.7
7759	7B	34035	IWB34035	GENE-4598_467	14.7
7760	7B	26490	IWB26490	Excalibur_c43793_81	15.0
7761	7B	40119	IWB40119	Ku_c884_2297	15.3
7762	7B	40120	IWB40120	Ku_c884_736	15.3
7763	7B	78200	IWA3958	wsnp_Ex_c46061_51675763	15.3
7764	7B	48960	IWB48960	Kukri_rep_c104213_234	15.3
7765	7B	80382	IWA6901	wsnp_Ku_c31419_41152151	15.3
7766	7B	71429	IWB71429	Tdurum_contig43523_1458	15.3
7767	7B	42527	IWB42527	Kukri_c21624_91	15.3
7768	7B	79459	IWA5565	wsnp_Ex_rep_c68815_67687712	15.3
7769	7B	50233	IWB50233	Kukri_rep_c72909_657	15.3
7770	7B	55563	IWB55563	RAC875_c23774_595	15.3
7771	7B	66897	IWB66897	Tdurum_contig11028_398	15.3

7772	7B	66896	IWB66896	Tdurum_contig11028_236	15.3
7773	7B	64830	IWB64830	RFL_Contig492_751	15.3
7774	7B	41986	IWB41986	Kukri_c18530_1054	15.3
7775	7B	78654	IWA4549	wsnp_Ex_c6590_11419735	15.3
7776	7B	73519	IWB73519	Tdurum_contig81683_217	15.3
7777	7B	66898	IWB66898	Tdurum_contig11028_533	15.3
7778	7B	38023	IWB38023	Ku_c10026_349	15.3
7779	7B	36099	IWB36099	IACX6036	15.3
7780	7B	8019	IWB8019	BS00035630_51	15.3
7781	7B	71728	IWB71728	Tdurum_contig46877_173	15.3
7782	7B	44432	IWB44432	Kukri_c35354_321	15.3
7783	7B	36813	IWB36813	Jagger_c9314_100	15.3
7784	7B	54370	IWB54370	RAC875_c16839_188	15.3
7785	7B	72575	IWB72575	Tdurum_contig57370_318	15.5
7786	7B	72576	IWB72576	Tdurum_contig57370_82	15.5
7787	7B	44542	IWB44542	Kukri_c36225_133	15.8
7788	7B	35528	IWB35528	IAAV872	16.4
7789	7B	34186	IWB34186	GENE-4826_641	16.4
7790	7B	56817	IWB56817	RAC875_c33179_244	16.4
7791	7B	33909	IWB33909	GENE-4337_558	16.4
7792	7B	66826	IWB66826	Tdurum_contig10932_375	16.4
7793	7B	6364	IWB6364	BS00011186_51	16.4
7794	7B	10705	IWB10705	BS00074083_51	16.4
7795	7B	1666	IWB1666	BobWhite_c23074_304	16.4
7796	7B	1369	IWB1369	BobWhite_c20266_115	16.6
7797	7B	5875	IWB5875	BS00003726_51	16.9
7798	7B	11703	IWB11703	BS00091302_51	16.9
7799	7B	53206	IWB53206	RAC875_c10932_1697	16.9
7800	7B	80706	IWA7326	wsnp_Ku_c8497_14429303	16.9
7801	7B	78625	IWA4516	wsnp_Ex_c64709_63402325	16.9
7802	7B	60	IWB60	BobWhite_c10448_80	16.9
7803	7B	36566	IWB36566	Jagger_c3811_65	17.2
7804	7B	34211	IWB34211	GENE-4869_117	17.8
7805	7B	65376	IWB65376	TA001320-0384	18.9
7806	7B	34143	IWB34143	GENE-4750_46	18.9
7807	7B	11385	IWB11385	BS00084788_51	19.2
7808	7B	7150	IWB7150	BS00022550_51	19.2
7809	7B	33883	IWB33883	GENE-4273_67	19.2
7810	7B	7527	IWB7527	BS00024215_51	19.2
7811	7B	5739	IWB5739	BS00000170_51	21.8
7812	7B	67979	IWB67979	Tdurum_contig13431_127	21.8
7813	7B	12657	IWB12657	CAP11_c106_97	23.5
7814	7B	78920	IWA4873	wsnp_Ex_c908_1754208	24.1
7815	7B	73107	IWB73107	Tdurum_contig68347_605	24.1
7816	7B	3531	IWB3531	BobWhite_c46772_564	24.6
7817	7B	54284	IWB54284	RAC875_c1638_165	24.9
7818	7B	63589	IWB63589	RFL_Contig124_558	25.7
7819	7B	69576	IWB69576	Tdurum_contig28644_281	26.6
7820	7B	76344	IWA1543	wsnp_Ex_c11860_19030807	27.4
7821	7B	34169	IWB34169	GENE-4790_279	29.4
7822	7B	33246	IWB33246	GENE-3132_118	29.7
7823	7B	35807	IWB35807	IACX1871	29.7
7824	7B	26171	IWB26171	Excalibur_c40829_188	34.2
7825	7B	24436	IWB24436	Excalibur_c26387_87	34.2

7826	7B	61728	IWB61728	RAC875_rep_c107704_155	34.2
7827	7B	71924	IWB71924	Tdurum_contig48847_202	34.2
7828	7B	73909	IWB73909	Tdurum_contig94390_406	34.2
7829	7B	71926	IWB71926	Tdurum_contig48847_852	34.2
7830	7B	71838	IWB71838	Tdurum_contig47735_380	34.2
7831	7B	40982	IWB40982	Kukri_c13142_974	34.2
7832	7B	68015	IWB68015	Tdurum_contig13565_755	34.2
7833	7B	69050	IWB69050	Tdurum_contig25380_205	34.2
7834	7B	58270	IWB58270	RAC875_c46662_95	34.2
7835	7B	69052	IWB69052	Tdurum_contig25380_69	34.2
7836	7B	72925	IWB72925	Tdurum_contig62981_75	35.6
7837	7B	70349	IWB70349	Tdurum_contig32378_439	40.4
7838	7B	60292	IWB60292	RAC875_c7123_1703	42.0
7839	7B	27833	IWB27833	Excalibur_c58742_144	42.6
7840	7B	66025	IWB66025	TA005844-0160	42.8
7841	7B	65673	IWB65673	TA003316-1486	43.6
7842	7B	55600	IWB55600	RAC875_c24101_284	45.6
7843	7B	38052	IWB38052	Ku_c10179_1837	45.6
7844	7B	69178	IWB69178	Tdurum_contig25773_174	45.6
7845	7B	23685	IWB23685	Excalibur_c21739_688	45.6
7846	7B	57705	IWB57705	RAC875_c4128_926	45.6
7847	7B	9018	IWB9018	BS00063208_51	46.5
7848	7B	7711	IWB7711	BS00029287_51	47.8
7849	7B	74015	IWB74015	Tdurum_contig97814_355	48.7
7850	7B	80152	IWA6589	wsnp_Ku_c16295_25149034	50.4
7851	7B	38566	IWB38566	Ku_c16895_793	50.4
7852	7B	80167	IWA6608	wsnp_Ku_c16895_25861847	50.4
7853	7B	80151	IWA6588	wsnp_Ku_c16295_25148628	50.4
7854	7B	78178	IWA3928	wsnp_Ex_c45195_51056617	50.4
7855	7B	76194	IWA1354	wsnp_Ex_c10571_17258682	50.4
7856	7B	38567	IWB38567	Ku_c16895_803	50.4
7857	7B	9120	IWB9120	BS00063744_51	50.4
7858	7B	29268	IWB29268	Excalibur_c8931_432	50.4
7859	7B	7682	IWB7682	BS00028279_51	50.4
7860	7B	73542	IWB73542	Tdurum_contig81911_179	51.0
7861	7B	40924	IWB40924	Kukri_c12901_706	51.0
7862	7B	58468	IWB58468	RAC875_c48766_224	51.3
7863	7B	69489	IWB69489	Tdurum_contig28304_335	54.8
7864	7B	9204	IWB9204	BS00064146_51	54.8
7865	7B	7643	IWB7643	BS00027058_51	54.8
7866	7B	11033	IWB11033	BS00078785_51	54.8
7867	7B	7642	IWB7642	BS00027054_51	54.8
7868	7B	13136	IWB13136	CAP11_rep_c7351_157	54.8
7869	7B	31227	IWB31227	Excalibur_rep_c74234_183	54.8
7870	7B	75919	IWA836	wsnp_CAP11_rep_c4076_1926235	54.8
7871	7B	7218	IWB7218	BS00022700_51	54.8
7872	7B	69481	IWB69481	Tdurum_contig28276_849	55.6
7873	7B	70061	IWB70061	Tdurum_contig30580_219	57.0
7874	7B	40527	IWB40527	Kukri_c11141_203	57.8
7875	7B	41484	IWB41484	Kukri_c15912_812	58.1
7876	7B	41485	IWB41485	Kukri_c15912_860	58.1
7877	7B	9261	IWB9261	BS00064367_51	58.7
7878	7B	35490	IWB35490	IAAV8521	58.9
7879	7B	25127	IWB25127	Excalibur_c31707_302	59.8

7880	7B	8451	IWB8451	BS00047083_51	60.3
7881	7B	71692	IWB71692	Tdurum_contig4658_418	60.6
7882	7B	1121	IWB1121	BobWhite_c1802_456	60.6
7883	7B	71691	IWB71691	Tdurum_contig4658_346	60.6
7884	7B	9373	IWB9373	BS00064808_51	60.9
7885	7B	39661	IWB39661	Ku_c5789_663	61.4
7886	7B	23527	IWB23527	Excalibur_c2062_383	63.1
7887	7B	54048	IWB54048	RAC875_c15057_1050	63.4
7888	7B	726	IWB726	BobWhite_c14966_231	63.9
7889	7B	29313	IWB29313	Excalibur_c90713_226	63.9
7890	7B	79926	IWA6246	wsnp_JD_rep_c48755_32989025	67.8
7891	7B	76866	IWA2193	wsnp_Ex_c1721_3261986	67.8
7892	7B	78818	IWA4749	wsnp_Ex_c7934_13467335	67.8
7893	7B	72479	IWB72479	Tdurum_contig55961_526	68.4
7894	7B	27158	IWB27158	Excalibur_c50612_409	68.4
7895	7B	76864	IWA2191	wsnp_Ex_c17176_25816766	68.4
7896	7B	49960	IWB49960	Kukri_rep_c69900_197	68.4
7897	7B	73409	IWB73409	Tdurum_contig77073_193	68.4
7898	7B	47991	IWB47991	Kukri_c8405_1394	68.4
7899	7B	52637	IWB52637	Ra_c74686_615	68.9
7900	7B	22031	IWB22031	Excalibur_c12064_78	68.9
7901	7B	71574	IWB71574	Tdurum_contig44948_2175	68.9
7902	7B	31241	IWB31241	Excalibur_rep_c75066_126	68.9
7903	7B	48453	IWB48453	Kukri_c9683_150	68.9
7904	7B	48454	IWB48454	Kukri_c9683_723	68.9
7905	7B	71572	IWB71572	Tdurum_contig44948_1809	68.9
7906	7B	31273	IWB31273	Excalibur_rep_c77206_397	68.9
7907	7B	37730	IWB37730	JD_c6531_201	68.9
7908	7B	71571	IWB71571	Tdurum_contig44948_1132	68.9
7909	7B	71573	IWB71573	Tdurum_contig44948_1812	68.9
7910	7B	71575	IWB71575	Tdurum_contig44948_2237	68.9
7911	7B	59455	IWB59455	RAC875_c59682_222	68.9
7912	7B	68494	IWB68494	Tdurum_contig16065_567	68.9
7913	7B	63339	IWB63339	RAC875_rep_c95897_119	68.9
7914	7B	61547	IWB61547	RAC875_rep_c106109_130	68.9
7915	7B	54361	IWB54361	RAC875_c1679_539	68.9
7916	7B	34928	IWB34928	IAAV4818	68.9
7917	7B	75419	IWA130	wsnp_BE443521B_Ta_2_1	68.9
7918	7B	35376	IWB35376	IAAV7708	68.9
7919	7B	35300	IWB35300	IAAV7151	68.9
7920	7B	34981	IWB34981	IAAV5167	68.9
7921	7B	27142	IWB27142	Excalibur_c50408_663	68.9
7922	7B	68676	IWB68676	Tdurum_contig17697_671	69.2
7923	7B	6594	IWB6594	BS00013985_51	69.5
7924	7B	40712	IWB40712	Kukri_c11959_587	70.0
7925	7B	41653	IWB41653	Kukri_c16814_103	70.0
7926	7B	6544	IWB6544	BS00012264_51	70.3
7927	7B	35653	IWB35653	IACX11047	70.3
7928	7B	60879	IWB60879	RAC875_c871_1345	70.3
7929	7B	35704	IWB35704	IACX11443	70.3
7930	7B	21669	IWB21669	Excalibur_c1055_565	70.3
7931	7B	28666	IWB28666	Excalibur_c7338_563	70.3
7932	7B	78911	IWA4864	wsnp_Ex_c9017_15025720	70.3
7933	7B	71622	IWB71622	Tdurum_contig45585_432	70.3

7934	7B	2656	IWB2656	BobWhite_c3385_64	70.3
7935	7B	34699	IWB34699	IAAV3313	70.8
7936	7B	7134	IWB7134	BS00022522_51	70.8
7937	7B	71465	IWB71465	Tdurum_contig43954_1287	70.8
7938	7B	63121	IWB63121	RAC875_rep_c78007_394	71.1
7939	7B	57797	IWB57797	RAC875_c41938_471	71.1
7940	7B	45187	IWB45187	Kukri_c42052_491	72.5
7941	7B	48348	IWB48348	Kukri_c93758_111	72.5
7942	7B	40181	IWB40181	Ku_c9679_441	72.8
7943	7B	72241	IWB72241	Tdurum_contig52079_1174	72.8
7944	7B	64121	IWB64121	RFL_Contig2905_931	73.1
7945	7B	73580	IWB73580	Tdurum_contig82534_311	73.1
7946	7B	332	IWB332	BobWhite_c12264_248	73.1
7947	7B	57616	IWB57616	RAC875_c40383_124	73.1
7948	7B	73579	IWB73579	Tdurum_contig82534_237	73.1
7949	7B	65953	IWB65953	TA005284-0990	73.1
7950	7B	42933	IWB42933	Kukri_c24148_254	73.1
7951	7B	1307	IWB1307	BobWhite_c19752_293	73.1
7952	7B	7388	IWB7388	BS00023034_51	73.1
7953	7B	7861	IWB7861	BS00031923_51	73.1
7954	7B	10912	IWB10912	BS00077049_51	73.3
7955	7B	5626	IWB5626	BobWhite_rep_c66883_80	73.6
7956	7B	27699	IWB27699	Excalibur_c57071_177	73.6
7957	7B	65152	IWB65152	RFL_Contig5898_1464	73.6
7958	7B	72828	IWB72828	Tdurum_contig61856_628	73.6
7959	7B	1799	IWB1799	BobWhite_c24096_215	73.6
7960	7B	39684	IWB39684	Ku_c5969_1667	73.6
7961	7B	65154	IWB65154	RFL_Contig5898_807	73.6
7962	7B	3163	IWB3163	BobWhite_c4134_984	73.6
7963	7B	72829	IWB72829	Tdurum_contig61856_900	73.6
7964	7B	72830	IWB72830	Tdurum_contig61856_957	73.6
7965	7B	5034	IWB5034	BobWhite_rep_c53128_119	73.9
7966	7B	38836	IWB38836	Ku_c22990_969	74.2
7967	7B	62409	IWB62409	RAC875_rep_c117259_207	74.2
7968	7B	22760	IWB22760	Excalibur_c16245_840	74.4
7969	7B	22759	IWB22759	Excalibur_c16245_801	74.7
7970	7B	49105	IWB49105	Kukri_rep_c105704_342	75.0
7971	7B	5370	IWB5370	BobWhite_rep_c63346_248	75.3
7972	7B	34000	IWB34000	GENE-4528_511	76.2
7973	7B	9367	IWB9367	BS00064783_51	77.0
7974	7B	25689	IWB25689	Excalibur_c36221_1031	77.6
7975	7B	8868	IWB8868	BS00062611_51	77.9
7976	7B	69562	IWB69562	Tdurum_contig28598_245	79.3
7977	7B	2238	IWB2238	BobWhite_c2892_167	79.5
7978	7B	71995	IWB71995	Tdurum_contig49656_679	79.5
7979	7B	2239	IWB2239	BobWhite_c2892_211	79.5
7980	7B	77980	IWA3675	wsnp_Ex_c3930_7127883	80.1
7981	7B	29360	IWB29360	Excalibur_c9179_2416	80.1
7982	7B	78631	IWA4522	wsnp_Ex_c64848_63486322	80.1
7983	7B	80610	IWA7190	wsnp_Ku_c5745_10169129	80.1
7984	7B	78931	IWA4888	wsnp_Ex_c9179_15264221	80.1
7985	7B	7512	IWB7512	BS00023884_51	85.7
7986	7B	45006	IWB45006	Kukri_c40149_436	85.7
7987	7B	21792	IWB21792	Excalibur_c11062_582	87.1

7988	7B	25083	IWB25083	Excalibur_c3129_4903	87.1
7989	7B	27880	IWB27880	Excalibur_c5938_301	87.1
7990	7B	45529	IWB45529	Kukri_c45404_121	87.1
7991	7B	27883	IWB27883	Excalibur_c5938_994	87.1
7992	7B	61977	IWB61977	RAC875_rep_c110526_229	87.1
7993	7B	77776	IWA3415	wsnp_Ex_c32905_41484291	87.1
7994	7B	30725	IWB30725	Excalibur_rep_c66257_477	87.1
7995	7B	49181	IWB49181	Kukri_rep_c106477_365	87.1
7996	7B	5972	IWB5972	BS00004376_51	87.1
7997	7B	6736	IWB6736	BS00021717_51	87.1
7998	7B	27877	IWB27877	Excalibur_c5938_1703	87.1
7999	7B	34196	IWB34196	GENE-4848_95	87.1
8000	7B	34230	IWB34230	GENE-4900_136	87.1
8001	7B	44608	IWB44608	Kukri_c3676_483	87.1
8002	7B	61541	IWB61541	RAC875_rep_c106035_443	87.1
8003	7B	27876	IWB27876	Excalibur_c5938_1669	87.1
8004	7B	23318	IWB23318	Excalibur_c19455_3496	87.1
8005	7B	27881	IWB27881	Excalibur_c5938_371	87.1
8006	7B	73667	IWB73667	Tdurum_contig8448_363	87.1
8007	7B	9811	IWB9811	BS00066456_51	87.1
8008	7B	24264	IWB24264	Excalibur_c25090_830	87.1
8009	7B	25962	IWB25962	Excalibur_c3870_288	87.1
8010	7B	62681	IWB62681	RAC875_rep_c70367_158	87.1
8011	7B	74283	IWB74283	tplb0026f23_1134	87.1
8012	7B	22872	IWB22872	Excalibur_c1688_436	87.1
8013	7B	57955	IWB57955	RAC875_c43579_80	87.1
8014	7B	47876	IWB47876	Kukri_c81094_434	87.1
8015	7B	25963	IWB25963	Excalibur_c3870_89	87.1
8016	7B	62682	IWB62682	RAC875_rep_c70367_185	87.1
8017	7B	53111	IWB53111	RAC875_c10585_181	87.1
8018	7B	51145	IWB51145	Ra_c14987_667	87.1
8019	7D	56616	IWB56616	RAC875_c31483_117	0.0
8020	7D	15481	IWB15481	D_contig08599_465	0.3
8021	7D	19363	IWB19363	D_GDS7LZN02F7CND_99	0.3
8022	7D	9595	IWB9595	BS00065623_51	3.2
8023	7D	45523	IWB45523	Kukri_c45368_300	3.7
8024	7D	47867	IWB47867	Kukri_c80931_147	4.0
8025	7D	29254	IWB29254	Excalibur_c88899_626	4.0
8026	7D	55455	IWB55455	RAC875_c23140_909	4.6
8027	7D	50978	IWB50978	Ra_c11887_1826	4.6
8028	7D	22849	IWB22849	Excalibur_c16775_1833	4.6
8029	7D	340	IWB340	BobWhite_c1234_238	7.9
8030	7D	8938	IWB8938	BS00062860_51	7.9
8031	7D	80807	IWA7455	wsnp_Ku_rep_c69533_68919669	8.2
8032	7D	48611	IWB48611	Kukri_rep_c101179_404	8.2
8033	7D	16682	IWB16682	D_contig36176_338	8.2
8034	7D	16214	IWB16214	D_contig25144_46	8.2
8035	7D	10326	IWB10326	BS00068485_51	8.2
8036	7D	12476	IWB12476	BS00110124_51	9.0
8037	7D	20272	IWB20272	Ex_c25027_535	9.0
8038	7D	20013	IWB20013	Ex_c18266_680	9.0
8039	7D	7092	IWB7092	BS00022449_51	9.0
8040	7D	9967	IWB9967	BS00067140_51	9.0
8041	7D	17499	IWB17499	D_F5XZDLF01ASSE2_190	9.0

8042	7D	15620	IWB15620	D_contig11494_202	9.0
8043	7D	12582	IWB12582	BS00110642_51	9.0
8044	7D	33244	IWB33244	GENE-3129_828	9.3
8045	7D	4483	IWB4483	BobWhite_c8454_782	9.3
8046	7D	17005	IWB17005	D_contig65480_176	17.0
8047	7D	4505	IWB4505	BobWhite_c8680_453	17.5
8048	7D	73843	IWB73843	Tdurum_contig93100_640	17.5
8049	7D	57490	IWB57490	RAC875_c39217_314	17.5
8050	7D	15569	IWB15569	D_contig10382_335	19.5
8051	7D	55830	IWB55830	RAC875_c25695_316	19.8
8052	7D	17232	IWB17232	D_contig80193_238	25.0
8053	7D	17538	IWB17538	D_F5XZDLF01CQM1B_324	38.5
8054	7D	18267	IWB18267	D_GBB4FNX02GS9OS_101	39.6
8055	7D	15280	IWB15280	D_contig03850_135	41.6
8056	7D	44199	IWB44199	Kukri_c33415_436	41.6
8057	7D	16984	IWB16984	D_contig63536_65	42.4
8058	7D	74167	IWB74167	tplb0024a09_919	43.0
8059	7D	74164	IWB74164	tplb0024a09_2369	43.0
8060	7D	74165	IWB74165	tplb0024a09_742	43.0
8061	7D	17457	IWB17457	D_F5MV3MU01EDQJ4_219	43.0
8062	7D	27288	IWB27288	Excalibur_c52102_630	44.1
8063	7D	41108	IWB41108	Kukri_c13845_424	47.9
8064	7D	75410	IWA118	wsnp_BE443044D_Ta_1_1	47.9
8065	7D	48862	IWB48862	Kukri_rep_c103248_582	47.9
8066	7D	48288	IWB48288	Kukri_c92151_216	49.6
8067	7D	19377	IWB19377	D_GDS7LZN02FSYZC_227	49.6
8068	7D	44140	IWB44140	Kukri_c32845_116	49.6
8069	7D	72087	IWB72087	Tdurum_contig50560_1407	49.8
8070	7D	16798	IWB16798	D_contig45163_68	51.5
8071	7D	32144	IWB32144	GENE-0921_485	51.5
8072	7D	42848	IWB42848	Kukri_c23682_76	51.5
8073	7D	77128	IWA2545	wsnp_Ex_c2054_3852564	51.5
8074	7D	18577	IWB18577	D_GBUVHFX01BEHL1_132	52.9
8075	7D	16986	IWB16986	D_contig63719_554	53.5
8076	7D	16460	IWB16460	D_contig30716_172	54.1
8077	7D	17042	IWB17042	D_contig67456_197	55.3
8078	7D	3530	IWB3530	BobWhite_c46765_212	55.5
8079	7D	16173	IWB16173	D_contig24308_396	55.5
8080	7D	16033	IWB16033	D_contig21057_183	55.5
8081	7D	35888	IWB35888	IACX296	55.5
8082	7D	18724	IWB18724	D_GBUVHFX02I35PL_180	55.5
8083	7D	16581	IWB16581	D_contig33636_348	55.5
8084	7D	50526	IWB50526	Kukri_rep_c94644_137	55.5
8085	7D	17817	IWB17817	D_GA8KES401EZBT8_411	55.5
8086	7D	17090	IWB17090	D_contig70596_342	55.5
8087	7D	17551	IWB17551	D_F5XZDLF01D9HYT_373	56.4
8088	7D	5524	IWB5524	BobWhite_rep_c65034_450	57.2
8089	7D	62197	IWB62197	RAC875_rep_c113244_113	57.7
8090	7D	53819	IWB53819	RAC875_c13942_2973	58.6
8091	7D	49354	IWB49354	Kukri_rep_c108604_858	59.4
8092	7D	81073	IWA7828	wsnp_Ra_c2930_5550871	59.7
8093	7D	63737	IWB63737	RFL_Contig1820_712	59.7
8094	7D	19259	IWB19259	D_GDRF1KQ02JPR1A_106	59.7
8095	7D	63738	IWB63738	RFL_Contig1820_846	59.7

8096	7D	78207	IWA3970	wsnp_Ex_c4637_8299644	59.7
8097	7D	81072	IWA7827	wsnp_Ra_c2930_5550811	59.7
8098	7D	17768	IWB17768	D_GA8KES401D3GU4_112	60.5
8099	7D	13142	IWB13142	CAP11_rep_c8279_82	60.8
8100	7D	77110	IWA2523	wsnp_Ex_c20320_29383733	60.8
8101	7D	54708	IWB54708	RAC875_c1863_3196	60.8
8102	7D	77109	IWA2522	wsnp_Ex_c20320_29383710	60.8
8103	7D	77108	IWA2521	wsnp_Ex_c20320_29383285	60.8
8104	7D	60176	IWB60176	RAC875_c68368_99	61.1
8105	7D	21022	IWB21022	Ex_c6280_1149	61.1
8106	7D	4724	IWB4724	BobWhite_rep_c49048_493	61.1
8107	7D	21023	IWB21023	Ex_c6280_1262	61.1
8108	7D	81505	IWA8486	wsnp_RFL_Contig3557_3736656	63.4
8109	7D	14320	IWB14320	CAP7_c9278_185	70.4
8110	7D	15471	IWB15471	D_contig08289_112	73.6
8111	7D	16392	IWB16392	D_contig29036_393	74.4
8112	7D	15378	IWB15378	D_contig06235_330	74.4
8113	7D	17647	IWB17647	D_F5XZDLF02HKTZA_121	74.4
8114	7D	17767	IWB17767	D_GA8KES401D0K1W_269	75.8
8115	7D	17599	IWB17599	D_F5XZDLF02FF9I1_181	76.1
8116	7D	15262	IWB15262	D_contig03395_496	76.1
8117	7D	17823	IWB17823	D_GA8KES402F8B6V_169	77.3
8118	7D	18840	IWB18840	D_GCE8AKX01EF85I_287	77.3
8119	7D	17664	IWB17664	D_F5XZDLF02I2FUQ_192	77.3
8120	7D	75851	IWA732	wsnp_CAP11_c2839_1425826	77.3
8121	7D	17565	IWB17565	D_F5XZDLF01DR0H1_266	77.3
8122	7D	15080	IWB15080	CAP8_rep_c9420_186	77.3
8123	7D	75488	IWA223	wsnp_be490219D_Ta_1_1	77.3
8124	7D	19438	IWB19438	D_GDS7LZN02HQ1RY_252	77.3
8125	7D	22212	IWB22212	Excalibur_c13094_523	77.6
8126	7D	29923	IWB29923	Excalibur_rep_c103227_148	77.8
8127	7D	75584	IWA359	wsnp_BE586072D_Ta_1_2	77.8
8128	7D	81418	IWA8330	wsnp_RFL_Contig2400_1920978	77.8
8129	7D	18566	IWB18566	D_GBUVHFX01B47JJ_155	77.8
8130	7D	16481	IWB16481	D_contig31424_214	78.4
8131	7D	18682	IWB18682	D_GBUVHFX02FPMHK_267	78.4
8132	7D	39156	IWB39156	Ku_c31629_1269	78.4
8133	7D	77288	IWA2772	wsnp_Ex_c23001_32223579	78.4
8134	7D	36226	IWB36226	IACX7714	78.4
8135	7D	6064	IWB6064	BS00009457_51	78.4
8136	7D	76877	IWA2208	wsnp_Ex_c17346_26030825	78.4
8137	7D	39006	IWB39006	Ku_c26916_669	78.4
8138	7D	17665	IWB17665	D_F5XZDLF02I35V1_104	78.4
8139	7D	46722	IWB46722	Kukri_c58234_519	78.9
8140	7D	22705	IWB22705	Excalibur_c1586_87	82.2
8141	7D	21364	IWB21364	Ex_c8238_637	83.0
8142	7D	18683	IWB18683	D_GBUVHFX02FPTA2_248	83.0
8143	7D	18708	IWB18708	D_GBUVHFX02H0C6I_259	83.0
8144	7D	16441	IWB16441	D_contig30228_111	83.0
8145	7D	18618	IWB18618	D_GBUVHFX01CPG5E_341	83.3
8146	7D	64547	IWB64547	RFL_Contig3964_661	83.3
8147	7D	19183	IWB19183	D_GDRF1KQ01DXO82_144	84.2
8148	7D	41575	IWB41575	Kukri_c16416_647	85.1
8149	7D	15546	IWB15546	D_contig09987_661	85.9

8150	7D	76924	IWA2273	wsnp_Ex_c17914_26681837	86.2
8151	7D	16157	IWB16157	D_contig23954_311	86.5
8152	7D	8024	IWB8024	BS00035732_51	87.0
8153	7D	45846	IWB45846	Kukri_c48125_714	87.0
8154	7D	53451	IWB53451	RAC875_c11933_885	87.0
8155	7D	16883	IWB16883	D_contig55386_313	87.9
8156	7D	9724	IWB9724	BS00066128_51	87.9
8157	7D	8604	IWB8604	BS00051607_51	87.9
8158	7D	11300	IWB11300	BS00083421_51	87.9
8159	7D	76634	IWA1902	wsnp_Ex_c145_285194	88.4
8160	7D	34881	IWB34881	IAAV4510	92.6
8161	7D	41457	IWB41457	Kukri_c15768_1383	93.2
8162	7D	7177	IWB7177	BS00022610_51	93.2
8163	7D	61610	IWB61610	RAC875_rep_c106588_205	93.7
8164	7D	17008	IWB17008	D_contig65536_79	93.7
8165	7D	8877	IWB8877	BS00062644_51	94.0
8166	7D	7276	IWB7276	BS00022825_51	94.3
8167	7D	35552	IWB35552	IAAV8855	94.3
8168	7D	43427	IWB43427	Kukri_c27397_754	96.5
8169	7D	63887	IWB63887	RFL_Contig2257_810	97.6
8170	7D	17747	IWB17747	D_GA8KES401CIKOJ_160	99.1
8171	7D	74708	IWB74708	tplb0041e14_1096	100.9
8172	7D	18303	IWB18303	D_GBB4FNX02ILZW2_114	100.9
8173	7D	28893	IWB28893	Excalibur_c7895_385	100.9
8174	7D	40258	IWB40258	Kukri_c101311_72	100.9
8175	7D	75160	IWB75160	tplb0057p21_1042	100.9
8176	7D	237	IWB237	BobWhite_c11549_468	100.9
8177	7D	42667	IWB42667	Kukri_c22576_148	100.9
8178	7D	16474	IWB16474	D_contig31161_94	100.9
8179	7D	16233	IWB16233	D_contig25474_188	100.9
8180	7D	16726	IWB16726	D_contig37514_120	100.9
8181	7D	18531	IWB18531	D_GBQ4KXB01EJHOJ_221	106.0
8182	7D	19360	IWB19360	D_GDS7LZN02F6AEK_164	108.3
8183	7D	18876	IWB18876	D_GCE8AKX02H05OL_77	109.1
8184	7D	25012	IWB25012	Excalibur_c30730_276	122.3
8185	7D	8361	IWB8361	BS00044260_51	122.3
8186	7D	27389	IWB27389	Excalibur_c5346_2716	122.3
8187	7D	3827	IWB3827	BobWhite_c5419_165	122.3
8188	7D	45562	IWB45562	Kukri_c45749_158	122.5
8189	7D	17509	IWB17509	D_F5XZDLF01B8DH4_88	124.5
8190	7D	33882	IWB33882	GENE-4272_165	127.1
8191	7D	28036	IWB28036	Excalibur_c61318_467	128.6
8192	7D	18483	IWB18483	D_GBQ4KXB01B0XFC_371	128.6
8193	7D	48455	IWB48455	Kukri_c9683_804	129.1
8194	7D	50603	IWB50603	Kukri_s106214_192	130.2
8195	7D	20242	IWB20242	Ex_c24486_509	136.2
8196	7D	15613	IWB15613	D_contig11313_286	137.6
8197	7D	49080	IWB49080	Kukri_rep_c105287_311	145.3
8198	7D	6751	IWB6751	BS00021745_51	145.3
8199	7D	11947	IWB11947	BS00096024_51	145.9
8200	7D	11948	IWB11948	BS00096025_51	145.9
8201	7D	18349	IWB18349	D_GBF1XID01AXA2S_404	146.4
8202	7D	57883	IWB57883	RAC875_c42884_89	146.4
8203	7D	18541	IWB18541	D_GBQ4KXB02FR7XF_153	146.9