

Supplemental Table S3 - PR gene positions in the Matina 1-6 genome, color coded by PR gene family					
Chromosome	Start	Stop	Gene Family	Gene ID	Tandem Array ID
Chr1	38970	43636	PR-7	Thecc1EG000009	
Chr1	398604	400143	PR-3	Thecc1EG000095	Chr1PR-3.1
Chr1	407766	409127	PR-3	Thecc1EG000096	Chr1PR-3.1
Chr1	581637	583276	PR-9	Thecc1EG000145	
Chr1	747046	754136	PR-5	Thecc1EG000193	Chr1PR-5.2
Chr1	754379	756442	PR-5	Thecc1EG000197	Chr1PR-5.2
Chr1	1211500	1213275	PR-9	Thecc1EG000295	
Chr1	2026978	2027875	PR-1	Thecc1EG000491	
Chr1	2357330	2362741	PR-9	Thecc1EG000564	
Chr1	2748608	2752027	PR-7	Thecc1EG000640	Chr1PR-7.3
Chr1	2752856	2758066	PR-7	Thecc1EG000641	Chr1PR-7.3
Chr1	3307000	3310286	PR-7	Thecc1EG000749	
Chr1	3382352	3384526	PR-9	Thecc1EG000762	
Chr1	3470261	3472558	PR-2	Thecc1EG000782	
Chr1	4992850	4995297	PR-9	Thecc1EG001054	
Chr1	6194523	6196823	PR-2	Thecc1EG001274	Chr1PR-2.4
Chr1	6197493	6202783	PR-2	Thecc1EG001275	Chr1PR-2.4
Chr1	6253057	6261425	PR-3	Thecc1EG001280	
Chr1	8613801	8616925	PR-9	Thecc1EG001664	
Chr1	9131329	9134274	PR-9	Thecc1EG001737	
Chr1	9483225	9487563	PR-2	Thecc1EG001794	
Chr1	12130265	12134160	PR-2	Thecc1EG002168	
Chr1	14155420	14183715	PR-7	Thecc1EG002479	
Chr1	16047163	16060417	PR-2	Thecc1EG002746	
Chr1	27707568	27712092	PR-7	Thecc1EG003899	
Chr1	29913675	29914468	PR-6	Thecc1EG004163	
Chr1	31982011	31984949	PR-9	Thecc1EG004510	
Chr1	33192758	33193694	PR-10	Thecc1EG004731	
Chr1	33839678	33841234	PR-8	Thecc1EG004867	
Chr1	34041089	34042770	PR-9	Thecc1EG004905	
Chr1	34305919	34307096	PR-3	Thecc1EG004953	
Chr1	34442576	34443701	PR-16	Thecc1EG004977	
Chr1	35302482	35303571	PR-1	Thecc1EG005149	
Chr1	35365490	35366160	PR-14	Thecc1EG005159	
Chr1	35671159	35672532	PR-8	Thecc1EG005226	Chr1PR-8.5
Chr1	35674569	35675963	PR-8	Thecc1EG005227	Chr1PR-8.5
Chr1	35712363	35718588	PR-8	Thecc1EG005236	Chr1PR-8.5

Chr1	36672018	36676125	PR-7	Thecc1EG005449	Chr1PR-7.6
Chr1	36676173	36681516	PR-7	Thecc1EG005450	Chr1PR-7.6
Chr1	36681565	36693192	PR-7	Thecc1EG005451	Chr1PR-7.6
Chr1	36689354	36698417	PR-7	Thecc1EG005452	Chr1PR-7.6
Chr1	36697842	36703755	PR-7	Thecc1EG005453	Chr1PR-7.6
Chr1	37871369	37872238	PR-14	Thecc1EG005703	
Chr2	132261	139170	PR-9	Thecc1EG005974	
Chr2	1726070	1726919	PR-1	Thecc1EG006331	Chr2PR-1.1
Chr2	1727300	1728091	PR-1	Thecc1EG006332	Chr2PR-1.1
Chr2	1729729	1732901	PR-1	Thecc1EG006333	Chr2PR-1.1
Chr2	1736606	1737400	PR-1	Thecc1EG006335	Chr2PR-1.1
Chr2	2065004	2066485	PR-5	Thecc1EG006403	
Chr2	2117128	2118951	PR-9	Thecc1EG006416	
Chr2	2479366	2481072	PR-3	Thecc1EG006498	
Chr2	3126695	3129959	PR-7	Thecc1EG006646	
Chr2	3167231	3170972	PR-5	Thecc1EG006654	Chr2PR-5.2
Chr2	3176115	3179786	PR-5	Thecc1EG006655	Chr2PR-5.2
Chr2	3775808	3783306	PR-7	Thecc1EG006796	
Chr2	4126578	4127117	PR-12	Thecc1EG006852	
Chr2	4349987	4355168	PR-2	Thecc1EG006900	
Chr2	4794019	4796729	PR-9	Thecc1EG007001	
Chr2	5551606	5554475	PR-17	Thecc1EG007152	Chr2PR-17.3
Chr2	5554481	5555659	PR-17	Thecc1EG007153	Chr2PR-17.3
Chr2	5558506	5561482	PR-17	Thecc1EG007154	Chr2PR-17.3
Chr2	5566744	5567758	PR-17	Thecc1EG007156	Chr2PR-17.3
Chr2	5567811	5577818	PR-17	Thecc1EG007157	Chr2PR-17.3
Chr2	7394768	7402554	PR-9	Thecc1EG007510	Chr2PR-9.4
Chr2	7403090	7407224	PR-9	Thecc1EG007511	Chr2PR-9.4
Chr2	7407271	7413493	PR-9	Thecc1EG007512	Chr2PR-9.4
Chr2	7413305	7415134	PR-9	Thecc1EG007513	Chr2PR-9.4
Chr2	7417040	7418715	PR-9	Thecc1EG007514	Chr2PR-9.4
Chr2	7439241	7443374	PR-9	Thecc1EG007517	Chr2PR-9.4
Chr2	7447846	7449481	PR-9	Thecc1EG007520	Chr2PR-9.4
Chr2	8334315	8336188	PR-9	Thecc1EG007683	
Chr2	24981903	24982708	PR-10	Thecc1EG009531	Chr2PR-10.5
Chr2	25024282	25025861	PR-10	Thecc1EG009534	Chr2PR-10.5
Chr2	30987403	30988426	PR-16	Thecc1EG047006	
Chr2	31351157	31352561	PR-9	Thecc1EG010178	
Chr2	33006607	33010235	PR-2	Thecc1EG010376	
Chr2	37355734	37360729	PR-2	Thecc1EG011015	
Chr2	38066685	38068465	PR-9	Thecc1EG011110	Chr2PR-10.6
Chr2	38099456	38101161	PR-9	Thecc1EG011120	Chr2PR-10.6

Chr2	38104677	38114221	PR-9	Thecc1EG011122	Chr2PR-10.6
Chr2	38115416	38117955	PR-9	Thecc1EG011127	Chr2PR-10.6
Chr2	38125903	38132675	PR-9	Thecc1EG011131	Chr2PR-10.6
Chr2	39415824	39417517	PR-9	Thecc1EG011321	Chr2PR-10.7
Chr2	39424078	39426119	PR-9	Thecc1EG011322	Chr2PR-10.7
Chr2	39784485	39788147	PR-9	Thecc1EG011379	
Chr3	328975	330626	PR-9	Thecc1EG011986	
Chr3	5703693	5724899	PR-5	Thecc1EG012750	
Chr3	24480780	24482254	PR-16	Thecc1EG014789	
Chr3	25746880	25750071	PR-7	Thecc1EG015025	
Chr3	25948395	25950349	PR-9	Thecc1EG015053	
Chr3	27251393	27261927	PR-8	Thecc1EG015301	Chr3PR-8.1
Chr3	27261974	27270447	PR-8	Thecc1EG015302	Chr3PR-8.1
Chr3	27295158	27296498	PR-8	Thecc1EG015309	Chr3PR-8.1
Chr3	27296548	27300338	PR-8	Thecc1EG015310	Chr3PR-8.1
Chr3	27302986	27307234	PR-8	Thecc1EG015311	Chr3PR-8.1
Chr3	27307314	27308817	PR-8	Thecc1EG015312	Chr3PR-8.1
Chr3	27316543	27317507	PR-8	Thecc1EG015314	Chr3PR-8.1
Chr3	28004792	28007761	PR-2	Thecc1EG015448	
Chr3	28291446	28296197	PR-7	Thecc1EG047016	
Chr3	28361776	28363762	PR-9	Thecc1EG015526	
Chr3	28708331	28713572	PR-7	Thecc1EG015601	Chr3PR-7.2
Chr3	28714480	28717151	PR-7	Thecc1EG015602	Chr3PR-7.2
Chr3	28716513	28725233	PR-7	Thecc1EG015603	Chr3PR-7.2
Chr3	28757267	28760786	PR-2	Thecc1EG015614	
Chr3	29543107	29545374	PR-9	Thecc1EG015775	
Chr3	29603566	29604758	PR-14	Thecc1EG015788	
Chr3	31421523	31428659	PR-7	Thecc1EG016128	Chr3PR-7.3
Chr3	31428746	31431000	PR-7	Thecc1EG016129	Chr3PR-7.3
Chr3	31565837	31569764	PR-7	Thecc1EG016158	Chr3PR-7.4
Chr3	31570739	31575604	PR-7	Thecc1EG016159	Chr3PR-7.4
Chr3	31839269	31840236	PR-5	Thecc1EG016204	Chr3PR-5.5
Chr3	31845292	31846336	PR-5	Thecc1EG016206	Chr3PR-5.5
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Chr3	31851312	31852270	PR-5	Thecc1EG016208	Chr3PR-5.5
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Chr4	324124	325508	PR-9	Thecc1EG016814	
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Chr4	2432036	2434089	PR-9	Thecc1EG017229	Chr4PR-9.1
Chr4	2435085	2444110	PR-9	Thecc1EG017230	Chr4PR-9.1

Chr4	10482455	10484484	PR-5	Thecc1EG018063	
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Chr4	21640200	21640902	PR-14	Thecc1EG019299	
Chr4	24438737	24442171	PR-9	Thecc1EG019706	
Chr4	24461787	24462534	PR-14	Thecc1EG019710	Chr4PR-14.2
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Chr4	24502230	24505993	PR-14	Thecc1EG019716	Chr4PR-14.2
Chr4	24518923	24519747	PR-14	Thecc1EG019718	Chr4PR-14.2
Chr4	24737036	24781021	PR-9	Thecc1EG019752	Chr4PR-9.3
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Chr4	25705022	25709845	PR-3	Thecc1EG019914	Chr4PR-3.4
Chr4	25896908	25899603	PR-9	Thecc1EG019959	
Chr4	27276438	27279822	PR-2	Thecc1EG020208	
Chr4	27670729	27672383	PR-5	Thecc1EG020283	
Chr4	29413526	29415586	PR-2	Thecc1EG020611	
Chr4	31669364	31671441	PR-9	Thecc1EG021109	Chr4PR-9.5
Chr4	31671546	31678459	PR-9	Thecc1EG021110	Chr4PR-9.5
Chr4	32119104	32121715	PR-9	Thecc1EG021202	
Chr4	32460298	32461096	PR-10	Thecc1EG021277	Chr4PR-10.6
Chr4	32461731	32462956	PR-10	Thecc1EG021278	Chr4PR-10.6
Chr4	32463079	32464245	PR-10	Thecc1EG021279	Chr4PR-10.6
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Chr4	32472553	32473339	PR-10	Thecc1EG021282	Chr4PR-10.6
Chr4	32477626	32478429	PR-10	Thecc1EG021284	Chr4PR-10.6
Chr4	32482792	32483593	PR-10	Thecc1EG021287	Chr4PR-10.6
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Chr4	32486846	32487676	PR-10	Thecc1EG021289	Chr4PR-10.6
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Chr4	32620132	32622079	PR-3	Thecc1EG021326	
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Chr4	32813328	32814949	PR-9	Thecc1EG021378	
Chr4	32911639	32915967	PR-9	Thecc1EG021402	
Chr5	1670681	1671852	PR-5	Thecc1EG021897	

Chr5	2364984	2366039	PR-1	Thecc1EG022043	
Chr5	2695588	2698762	PR-9	Thecc1EG022117	
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Chr5	5340366	5344406	PR-7	Thecc1EG022517	
Chr5	5797021	5798314	PR-16	Thecc1EG022573	
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Chr5	26267724	26269539	PR-2	Thecc1EG024514	Chr5PR-2.2
Chr5	29642537	29644495	PR-9	Thecc1EG024936	
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Chr5	32103102	32104002	PR-10	Thecc1EG025358	Chr5PR-10.3
Chr5	34273894	34274779	PR-6	Thecc1EG025715	Chr5PR-6.4
Chr5	34279871	34281266	PR-6	Thecc1EG025717	Chr5PR-6.4
Chr5	34805481	34844123	PR-9	Thecc1EG025806	
Chr5	35819221	35823224	PR-16	Thecc1EG025978	
Chr5	36102473	36104098	PR-16	Thecc1EG026019	
Chr5	36336863	36348253	PR-16	Thecc1EG026063	Chr5PR-16.5
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Chr5	36362595	36365298	PR-16	Thecc1EG026069	Chr5PR-16.5
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Chr5	36386562	36388564	PR-16	Thecc1EG026073	Chr5PR-16.5
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Chr5	36519844	36520792	PR-16	Thecc1EG026096	Chr5PR-16.5
Chr5	36523344	36524570	PR-16	Thecc1EG026097	Chr5PR-16.5
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Chr5	37736830	37738060	PR-16	Thecc1EG026333	
Chr5	37761863	37762800	PR-4	Thecc1EG026340	
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Chr6	372939	378215	PR-16	Thecc1EG026932	Chr6PR-16.1
Chr6	425768	428602	PR-3	Thecc1EG026942	
Chr6	565963	575546	PR-7	Thecc1EG026974	
Chr6	687608	688111	PR-14	Thecc1EG026996	Chr6PR-14.2
Chr6	688555	689089	PR-14	Thecc1EG026997	Chr6PR-14.2
Chr6	2009028	2026798	PR-2	Thecc1EG027171	
Chr6	2244627	2245484	PR-4	Thecc1EG027204	
Chr6	17845152	17848170	PR-9	Thecc1EG028741	
Chr6	20842639	20844719	PR-16	Thecc1EG029131	Chr6PR-16.3
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Chr6	20993519	20997653	PR-7	Thecc1EG029155	
Chr6	21455725	21458909	PR-7	Thecc1EG029233	
Chr6	22820859	22823230	PR-2	Thecc1EG029478	
Chr6	23349015	23355024	PR-7	Thecc1EG029591	
Chr6	24237351	24242736	PR-9	Thecc1EG029767	
Chr6	26264259	26266610	PR-9	Thecc1EG030222	
Chr6	26374015	26377587	PR-2	Thecc1EG030245	
Chr6	26496525	26502924	PR-9	Thecc1EG030283	
Chr6	26573080	26576918	PR-7	Thecc1EG030299	
Chr6	26689344	26690019	PR-14	Thecc1EG030328	
Chr6	27171220	27177050	PR-7	Thecc1EG030468	
Chr7	294277	301433	PR-7	Thecc1EG030557	
Chr7	1460699	1467312	PR-2	Thecc1EG030805	
Chr7	2417342	2418208	PR-16	Thecc1EG030994	
Chr7	5183291	5185283	PR-8	Thecc1EG031497	
Chr7	14781355	14784469	PR-9	Thecc1EG032808	
Chr8	246545	249638	PR-7	Thecc1EG033805	Chr8PR-7.1
Chr8	250441	269283	PR-7	Thecc1EG033806	Chr8PR-7.1
Chr8	268993	272502	PR-7	Thecc1EG033809	Chr8PR-7.1
Chr8	274222	277466	PR-7	Thecc1EG033810	Chr8PR-7.1
Chr8	962742	964086	PR-5	Thecc1EG033984	
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Chr8	1353624	1354652	PR-12	Thecc1EG034086	
Chr8	1493708	1495530	PR-9	Thecc1EG034114	
Chr8	2075283	2077743	PR-5	Thecc1EG034243	Chr8PR-5.2
Chr8	2087537	2090040	PR-5	Thecc1EG034245	Chr8PR-5.2
Chr8	2224839	2229219	PR-7	Thecc1EG034269	
Chr8	2260133	2262131	PR-9	Thecc1EG034278	

Chr8	2897102	2899238	PR-2	Thecc1EG034422	
Chr8	4575941	4579741	PR-7	Thecc1EG034736	
Chr8	5988115	5995353	PR-2	Thecc1EG035012	
Chr8	6226812	6229286	PR-5	Thecc1EG035053	
Chr8	8855786	8857516	PR-9	Thecc1EG035423	
Chr8	11449195	11452325	PR-9	Thecc1EG035691	
Chr9	134564	137947	PR-2	Thecc1EG036758	
Chr9	367926	369673	PR-9	Thecc1EG036816	
Chr9	410586	411381	PR-1	Thecc1EG036825	
Chr9	645825	649597	PR-9	Thecc1EG036873	
Chr9	938748	944094	PR-11	Thecc1EG036927	
Chr9	1738958	1741618	PR-11	Thecc1EG037102	Chr9PR-11.1
Chr9	1742221	1746075	PR-11	Thecc1EG037103	Chr9PR-11.1
Chr9	1747571	1752188	PR-11	Thecc1EG037104	Chr9PR-11.1
Chr9	1752241	1753840	PR-11	Thecc1EG037105	Chr9PR-11.1
Chr9	1754711	1759539	PR-11	Thecc1EG037107	Chr9PR-11.1
Chr9	1759531	1764203	PR-11	Thecc1EG037108	Chr9PR-11.1
Chr9	1764238	1769028	PR-11	Thecc1EG037109	Chr9PR-11.1
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Chr9	1779359	1781333	PR-11	Thecc1EG037112	Chr9PR-11.1
Chr9	3436551	3439194	PR-2	Thecc1EG037436	
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Chr9	4052575	4055968	PR-16	Thecc1EG037546	
Chr9	5158780	5163277	PR-2	Thecc1EG037759	
Chr9	6109289	6112057	PR-2	Thecc1EG037934	
Chr9	6851364	6854612	PR-9	Thecc1EG038079	
Chr9	7063382	7068716	PR-2	Thecc1EG038109	
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Chr9	13639036	13639762	PR-1	Thecc1EG038873	Chr9PR-1.2
Chr9	14374415	14377545	PR-7	Thecc1EG038960	
Chr9	17902573	17905378	PR-9	Thecc1EG039289	
Chr9	19150129	19161776	PR-7	Thecc1EG039425	
Chr9	21602646	21603582	PR-16	Thecc1EG039645	Chr9PR-16.3
Chr9	21604434	21605321	PR-16	Thecc1EG039646	Chr9PR-16.3
Chr9	23054779	23063810	PR-2	Thecc1EG039796	
Chr9	24055817	24067197	PR-7	Thecc1EG039861	
Chr9	26281573	26290591	PR-2	Thecc1EG040040	
Chr9	28867512	28878972	PR-9	Thecc1EG040312	Chr9PR-9.4
Chr9	28900323	28913650	PR-9	Thecc1EG040315	Chr9PR-9.4
Chr9	28942562	28944397	PR-9	Thecc1EG040320	Chr9PR-9.4
Chr9	28981897	28983607	PR-9	Thecc1EG040327	Chr9PR-9.4

Chr9	29003771	29005794	PR-9	Thecc1EG040331	Chr9PR-9.4
Chr9	33307006	33308832	PR-2	Thecc1EG040768	
Chr9	33390249	33392278	PR-2	Thecc1EG040785	Chr9PR-2.5
Chr9	33393078	33395318	PR-2	Thecc1EG040786	Chr9PR-2.5
Chr9	33416912	33419009	PR-2	Thecc1EG040791	Chr9PR-2.5
Chr9	37324293	37326613	PR-16	Thecc1EG041376	Chr9PR-16.6
Chr9	37328816	37330133	PR-16	Thecc1EG041377	Chr9PR-16.6
Chr9	37330732	37332369	PR-9	Thecc1EG041378	
Chr9	37442073	37446700	PR-2	Thecc1EG041403	
Chr9	37711045	37715553	PR-7	Thecc1EG041449	
Chr9	37801525	37807811	PR-7	Thecc1EG041462	Chr9PR-7.7
Chr9	37811034	37827825	PR-7	Thecc1EG041463	Chr9PR-7.7
Chr9	39742134	39745187	PR-2	Thecc1EG041833	
Chr9	39900122	39901490	PR-5	Thecc1EG041871	
Chr9	40283527	40292405	PR-7	Thecc1EG041950	Chr9PR-7.8
Chr9	40287674	40292567	PR-7	Thecc1EG041951	Chr9PR-7.8
Chr9	40292614	40309871	PR-7	Thecc1EG041952	Chr9PR-7.8
Chr9	40299619	40329996	PR-7	Thecc1EG041957	Chr9PR-7.8
Chr9	41528294	41531544	PR-2	Thecc1EG042208	
Chr9	41718285	41727412	PR-9	Thecc1EG042259	Chr9PR-9.9
Chr9	41732924	41738678	PR-9	Thecc1EG042261	Chr9PR-9.9
Chr9	41826527	41827275	PR-14	Thecc1EG042284	Chr9PR-14.10
Chr9	41828203	41828948	PR-14	Thecc1EG042285	Chr9PR-14.10
Chr10	568906	571643	PR-1	Thecc1EG042446	
Chr10	1425026	1428017	PR-2	Thecc1EG042611	
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Chr10	1620365	1624378	PR-7	Thecc1EG042653	Chr10PR-7.1
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Chr10	1629514	1632741	PR-7	Thecc1EG046953	Chr10PR-7.1
Chr10	1644748	1652068	PR-7	Thecc1EG042656	Chr10PR-7.1
Chr10	1645533	1660966	PR-7	Thecc1EG042657	Chr10PR-7.1
Chr10	1660065	1667653	PR-7	Thecc1EG042659	Chr10PR-7.1
Chr10	1663592	1667693	PR-7	Thecc1EG042660	Chr10PR-7.1
Chr10	1982315	1983905	PR-5	Thecc1EG042726	
Chr10	2192233	2194119	PR-2	Thecc1EG042768	
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Chr10	4559293	4559803	PR-6	Thecc1EG043196	Chr10PR-6.2
Chr10	4561388	4562015	PR-6	Thecc1EG046959	Chr10PR-6.2
Chr10	4565525	4580115	PR-6	Thecc1EG043198	Chr10PR-6.2
Chr10	4565536	4566082	PR-6	Thecc1EG046960	Chr10PR-6.2
Chr10	4576505	4577038	PR-6	Thecc1EG043201	Chr10PR-6.2



Chr10	4582260	4582744	PR-6	Thecc1EG043202	Chr10PR-6.2
Chr10	5101255	5110883	PR-17	Thecc1EG043303	
Chr10	10866300	10867951	PR-4	Thecc1EG043895	
Chr10	15211018	15211919	PR-16	Thecc1EG044263	
Chr10	21995785	21996731	PR-10	Thecc1EG045046	
Chr10	23553698	23580519	PR-8	Thecc1EG045276	Chr10PR-8.3
Chr10	23602812	23603970	PR-8	Thecc1EG045283	Chr10PR-8.3
Chr10	24429996	24431594	PR-9	Thecc1EG045424	Chr10PR-9.4
Chr10	24431808	24447232	PR-9	Thecc1EG045425	Chr10PR-9.4
Chr10	24447255	24449409	PR-9	Thecc1EG045429	Chr10PR-9.4
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Chr10	25002097	25003389	PR-14	Thecc1EG045525	
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