

Table S3: Genome-wide SPE2 prediction

chromosome	SPE2 start	SPE2 end	PfnSIP2-HA ChIP-on-chip plus/minus strand	chromosomal landmark	distance to previous SPE2	5bp spacing	Accession	Comments	plus/minus strand	ATG
chr1	2385	2400	+	-1 TARE						
chr1	2520	2535	+	-1 TARE	120					
chr1	2790	2805	+	-1 TARE	255					
chr1	2925	2940	+	-1 TARE	120					
chr1	3060	3075	+	-1 TARE	120					
chr1	3351	3366	+	-1 TARE	276					
chr1	3486	3501	+	-1 TARE	120					
chr1	3621	3636	+	-1 TARE	120					
chr1	3756	3771	+	-1 TARE	120					
chr1	4047	4062	+	-1 TARE	276					
chr1	4684	4699	+	-1 TARE	622					
chr1	4840	4855	+	1 TARE	141					
chr1	5022	5037	+	-1 TARE	167					
chr1	5367	5382	+	1 TARE	330					
chr1	5497	5513	+	-1 TARE	115	5				
chr1	6210	6225	+	-1 TARE	697					
chr1	6464	6479	+	1 TARE	239					
chr1	7842	7857	+	1 TARE	1363					
chr1	9452	9467	+	-1 TARE	1595					
chr1	27336	27352	+	1 var		5	PFA0005w		1	29733
chr1	27338	27354	+	-1 var	-14	5	PFA0005w			
chr1	27394	27410	+	1 var	40	5	PFA0005w			
chr1	27396	27412	+	-1 var	-14	5	PFA0005w			
chr1	27511	27526	+	1 var	99		PFA0005w			
chr1	27538	27553	+	1 var	12		PFA0005w			
chr1	27560	27575	+	1 var	7		PFA0005w			
chr1	27588	27603	+	1 var	13		PFA0005w			
chr1	612437	612452	+	-1 var			PFA0765c	exon1		
chr1	618900	618915	+	-1 var			PFA0765c		-1	616613
chr1	618927	618942	+	-1 var	12		PFA0765c			
chr1	618949	618964	+	-1 var	7		PFA0765c			
chr1	618977	618992	+	-1 var	13		PFA0765c			
chr1	619000	619015	+	-1 var	8		PFA0765c			
chr1	619026	619041	+	-1 var	11		PFA0765c			
chr1	619053	619068	+	-1 var	12		PFA0765c			
chr1	619075	619090	+	-1 var	7		PFA0765c			
chr1	619097	619112	+	-1 var	7		PFA0765c			
chr1	619408	619424	+	1 var	296	5	PFA0765c			
chr1	619410	619426	+	-1 var	-14	5	PFA0765c			
chr1	619508	619524	+	1 var	82	5	PFA0765c			
chr1	619510	619526	+	-1 var	-14	5	PFA0765c			
chr10	2015	2030	+	-1 TARE						
chr10	2150	2165	+	-1 TARE	120					
chr10	2285	2300	+	-1 TARE	120					
chr10	2420	2435	+	-1 TARE	120					
chr10	2555	2570	+	-1 TARE	120					
chr10	2690	2705	+	-1 TARE	120					
chr10	3116	3131	+	-1 TARE	411					
chr10	3251	3266	+	-1 TARE	120					
chr10	3677	3692	+	-1 TARE	411					
chr10	4331	4346	+	-1 TARE	639					
chr10	4487	4502	+	1 TARE	141					
chr10	4669	4684	+	-1 TARE	167					
chr10	5014	5029	+	1 TARE	330					
chr10	5144	5160	+	-1 TARE	115	5				
chr10	5422	5437	+	1 TARE	262					
chr10	6112	6127	+	1 TARE	675					
chr10	8180	8195	+	1 TARE	2053					
chr10	9799	9814	+	-1 TARE	1604					
chr10	25587	25602	+	1 var			PF10_0001		1	28491
chr10	25610	25625	+	1 var	8		PF10_0001			
chr10	25638	25653	+	1 var	13		PF10_0001			
chr10	25662	25677	+	1 var	9		PF10_0001			
chr10	25686	25701	+	1 var	9		PF10_0001			
chr10	25710	25725	+	1 var	9		PF10_0001			
chr10	25736	25751	+	1 var	11		PF10_0001			
chr10	25763	25778	+	1 var	12		PF10_0001			
chr10	25790	25805	+	1 var	12		PF10_0001			
chr10	25817	25832	+	1 var	12		PF10_0001			
chr10	25844	25859	+	1 var	12		PF10_0001			
chr10	25871	25886	+	1 var	12		PF10_0001			

chr10	25898	25913	+	1	var		12	PF10_0001			
chr10	25925	25940	+	1	var		12	PF10_0001			
chr10	25952	25967	+	1	var		12	PF10_0001			
chr10	25979	25994	+	1	var		12	PF10_0001			
chr10	26006	26021	+	1	var		12	PF10_0001			
chr10	26033	26048	+	1	var		12	PF10_0001			
chr10	26060	26075	+	1	var		12	PF10_0001			
chr10	26087	26102	+	1	var		12	PF10_0001			
chr10	26114	26129	+	1	var		12	PF10_0001			
chr10	26141	26156	+	1	var		12	PF10_0001			
chr10	26168	26183	+	1	var		12	PF10_0001			
chr10	26195	26210	+	1	var		12	PF10_0001			
chr10	26222	26237	+	1	var		12	PF10_0001			
chr10	26250	26265	+	1	var		13	PF10_0001			
chr10	26277	26292	+	1	var		12	PF10_0001			
chr10	26304	26319	+	1	var		12	PF10_0001			
chr10	26331	26346	+	1	var		12	PF10_0001			
chr10	159324	159339	-	1	hyp			PF10_0037		-1	158517
chr10	609000	609015		1	FAD synthetase putative			PF10_0147		1	611212
chr10	691351	691366	-	1	hyp			PF10_0166		-1	690819
chr10	772648	772663	-	1	hyp			PF10_0184		-1	771953
chr10	1652090	1652105	+	-1	var			PF10_0406		-1	1649947
chr10	1652114	1652129	+	-1	var		9	PF10_0406			
chr10	1652141	1652156	+	-1	var		12	PF10_0406			
chr10	1652169	1652184	+	-1	var		13	PF10_0406			
chr10	1652191	1652206	+	-1	var		7	PF10_0406			
chr10	1652213	1652228	+	-1	var		7	PF10_0406			
chr10	1652240	1652255	+	-1	var		12	PF10_0406			
chr10	1652267	1652282	+	-1	var		12	PF10_0406			
chr10	1652294	1652309	+	-1	var		12	PF10_0406			
chr10	1652321	1652336	+	-1	var		12	PF10_0406			
chr10	1652348	1652363	+	-1	var		12	PF10_0406			
chr10	1652375	1652390	+	-1	var		12	PF10_0406			
chr10	1652402	1652417	+	-1	var		12	PF10_0406			
chr10	1652429	1652444	+	-1	var		12	PF10_0406			
chr10	1652735	1652751	+	1	var		291	5 PF10_0406			
chr10	1652737	1652753	+	-1	var		-14	5 PF10_0406			
chr10	1678016	1678031		1	TARE						
chr10	1679643	1679658		-1	TARE		1612				
chr10	1681711	1681726	+	-1	TARE		2053				
chr10	1682119	1682134	+	-1	TARE		393				
chr10	1682464	1682479	+	1	TARE		330				
chr10	1682646	1682661	+	-1	TARE		167				
chr10	1682802	1682817	+	1	TARE		141				
chr10	1683437	1683452	+	1	TARE		620				
chr10	1683728	1683743	+	1	TARE		276				
chr10	1683863	1683878	+	1	TARE		120				
chr10	1683998	1684013	+	1	TARE		120				
chr10	1684289	1684304	+	1	TARE		276				
chr10	1684424	1684439	+	1	TARE		120				
chr10	1684559	1684574	+	1	TARE		120				
chr10	1684694	1684709	+	1	TARE		120				
chr10	1684829	1684844	+	1	TARE		120				
chr10	1684964	1684979	+	1	TARE		120				
chr11	2559	2574	-	-1	TARE						
chr11	2694	2709	-	-1	TARE		120				
chr11	2964	2979	+	-1	TARE		255				
chr11	3099	3114	+	-1	TARE		120				
chr11	3234	3249	+	-1	TARE		120				
chr11	3660	3675	+	-1	TARE		411				
chr11	3795	3810	+	-1	TARE		120				
chr11	3930	3945	+	-1	TARE		120				
chr11	4065	4080	+	-1	TARE		120				
chr11	4221	4236	+	-1	TARE		141				
chr11	4855	4870	+	-1	TARE		619				
chr11	5011	5026	+	1	TARE		141				
chr11	5193	5208	+	-1	TARE		167				
chr11	5538	5553	+	1	TARE		330				
chr11	5668	5684	+	-1	TARE		115	5			
chr11	5946	5961	+	1	TARE		262				
chr11	6636	6651	+	1	TARE		675				
chr11	8016	8031	+	1	TARE		1365				
chr11	9173	9189	+	1	TARE		1142				
chr11	9635	9650	-	-1	TARE		446				
chr11	21536	21552	+	1	var			5 PF11_0007		1	24160
chr11	21538	21554	+	-1	var		-14	5 PF11_0007			
chr11	21900	21915	+	1	var		346	PF11_0007			
chr11	21928	21943	+	1	var		13	PF11_0007			
chr11	21955	21970	+	1	var		12	PF11_0007			
chr11	21983	21998	+	1	var		13	PF11_0007			
chr11	22006	22021	+	1	var		8	PF11_0007			
chr11	22034	22049	+	1	var		13	PF11_0007			
chr11	22058	22073	+	1	var		9	PF11_0007			
chr11	22084	22099	+	1	var		11	PF11_0007			

chr11	490720	490735	1	hyp			PF11_0528		1	492090
chr11	607322	607337	1	hyp			PF11_0168	intron	-1	613393
chr11	663498	663513	1	hyp			PF11_0179		1	664162
chr11	1606698	1606714	-1	hyp		5	PF11_0414	PF11_0415	1	
chr12	1879	1894	-1	TARE						
chr12	2014	2029	+	-1	TARE	120				
chr12	2149	2164	+	-1	TARE	120				
chr12	2284	2299	+	-1	TARE	120				
chr12	2419	2434	+	-1	TARE	120				
chr12	2554	2569	+	-1	TARE	120				
chr12	2845	2860	+	-1	TARE	276				
chr12	2980	2995	+	-1	TARE	120				
chr12	3115	3130	+	-1	TARE	120				
chr12	3541	3556	+	-1	TARE	411				
chr12	4176	4191	+	-1	TARE	620				
chr12	4332	4347	+	1	TARE	141				
chr12	4514	4529	+	-1	TARE	167				
chr12	4859	4874	+	1	TARE	330				
chr12	4989	5005	+	-1	TARE	115	5			
chr12	7335	7350	1	TARE	2330					
chr12	8316	8331	-1	TARE	966					
chr12	8955	8970	-1	TARE	624					
chr12	14401	14417	+	1	var	5	PFL0005w		1	16973
chr12	14403	14419	+	-1	var	-14	5	PFL0005w		
chr12	14727	14742	+	1	var	308	PFL0005w			
chr12	14755	14770	+	1	var	13	PFL0005w			
chr12	14783	14798	+	1	var	13	PFL0005w			
chr12	14810	14825	+	1	var	12	PFL0005w			
chr12	14838	14853	+	1	var	13	PFL0005w			
chr12	14866	14881	+	1	var	13	PFL0005w			
chr12	205902	205917	-1	hyp			PFL0210c	exon	-1	205973
chr12	347208	347224	1	hyp		5	PFL0370w	exon 2	1	345917
chr12	776402	776417	-1	var			PFL0935c	central	-1	774190
chr12	776456	776471	-1	var		39	PFL0935c	central		
chr12	855439	855454	-1	hyp			PFL1025c		-1	854732
chr12	917547	917563	1	hyp		5	PFL1090w		1	918714
chr12	2123397	2123412	1	chitinase			PFL2510w		1	2125421
chr12	2251020	2251035	+	-1	var		PFL2665c		-1	2248945
chr12	2251047	2251062	+	-1	var	12	PFL2665c			
chr12	2251074	2251089	+	-1	var	12	PFL2665c			
chr12	2251101	2251116	+	-1	var	12	PFL2665c			
chr12	2251128	2251143	+	-1	var	12	PFL2665c			
chr12	2251155	2251170	+	-1	var	12	PFL2665c			
chr12	2251182	2251197	+	-1	var	12	PFL2665c			
chr12	2251209	2251224	+	-1	var	12	PFL2665c			
chr12	2251236	2251251	+	-1	var	12	PFL2665c			
chr12	2251263	2251278	+	-1	var	12	PFL2665c			
chr12	2251550	2251565	+	1	var	272	PFL2665c			
chr12	2251552	2251567	+	-1	var	-13	PFL2665c			
chr12	2251604	2251620	+	1	var	37	5	PFL2665c		
chr12	2251606	2251622	+	-1	var	-14	5	PFL2665c		
chr12	2251704	2251720	+	1	var	82	5	PFL2665c		
chr12	2251706	2251722	+	-1	var	-14	5	PFL2665c		
chr12	2262775	2262790	1	TARE						
chr12	2264385	2264400	-1	TARE	1595					
chr12	2266730	2266746	+	1	TARE	2330	5			
chr12	2266861	2266876	+	-1	TARE	115				
chr12	2267206	2267221	+	1	TARE	330				
chr12	2267388	2267403	+	-1	TARE	167				
chr12	2267544	2267559	1	TARE	141					
chr12	2268177	2268192	1	TARE	618					
chr12	2268468	2268483	+	1	TARE	276				
chr12	2268603	2268618	+	1	TARE	120				
chr12	2268738	2268753	+	1	TARE	120				
chr12	2268873	2268888	+	1	TARE	120				
chr12	2269164	2269179	+	1	TARE	276				
chr12	2269299	2269314	+	1	TARE	120				
chr12	2269434	2269449	+	1	TARE	120				
chr12	2269569	2269584	+	1	TARE	120				
chr12	2269704	2269719	1	TARE	120					
chr12	2269839	2269854	1	TARE	120					
chr13	2605	2620	-1	TARE						
chr13	2740	2755	-1	TARE	120					
chr13	3010	3025	-1	TARE	255					
chr13	3145	3160	-1	TARE	120					
chr13	3280	3295	-1	TARE	120					
chr13	3571	3586	-1	TARE	276					
chr13	3706	3721	-1	TARE	120					
chr13	3841	3856	-1	TARE	120					
chr13	3976	3991	-1	TARE	120					
chr13	4111	4126	-1	TARE	120					
chr13	4267	4282	-1	TARE	141					
chr13	4906	4921	-1	TARE	624					
chr13	5062	5077	1	TARE	141					

chr13	5244	5259	-1	TARE	167					
chr13	5589	5604	1	TARE	330					
chr13	5719	5735	-1	TARE	115	5				
chr13	5743	5758	-1	TARE	8					
chr13	8066	8081	1	TARE	2308					
chr13	9685	9700	-1	TARE	1604					
chr13	18709	18725	1	var		5	MAL13P1.1		1	21467
chr13	18711	18727	-1	var	-14	5	MAL13P1.1			
chr13	19004	19019	1	var	277		MAL13P1.1			
chr13	19032	19047	1	var	13		MAL13P1.1			
chr13	19060	19075	1	var	13		MAL13P1.1			
chr13	19088	19103	1	var	13		MAL13P1.1			
chr13	19116	19131	1	var	13		MAL13P1.1			
chr13	19144	19159	1	var	13		MAL13P1.1			
chr13	19172	19187	1	var	13		MAL13P1.1			
chr13	19200	19215	1	var	13		MAL13P1.1			
chr13	19228	19243	1	var	13		MAL13P1.1			
chr13	19256	19271	1	var	13		MAL13P1.1			
chr13	19284	19299	1	var	13		MAL13P1.1			
chr13	19312	19327	1	var	13		MAL13P1.1			
chr13	19340	19355	1	var	13		MAL13P1.1			
chr13	19367	19382	1	var	12		MAL13P1.1			
chr13	981644	981660	-1	hyp		5	PF13_0134	MAL13P1.130	1	
chr13	1331766	1331781	1	hyp			PF13_0173		1	1332497
chr13	2866730	2866745	+ -1	var			MAL13P1.356		-1	2864550
chr13	2866752	2866767	+ -1	var	7		MAL13P1.356			
chr13	2866774	2866789	+ -1	var	7		MAL13P1.356			
chr13	2866796	2866811	+ -1	var	7		MAL13P1.356			
chr13	2866818	2866833	+ -1	var	7		MAL13P1.356			
chr13	2866840	2866855	+ -1	var	7		MAL13P1.356			
chr13	2866862	2866877	+ -1	var	7		MAL13P1.356			
chr13	2866884	2866899	+ -1	var	7		MAL13P1.356			
chr13	2866906	2866921	+ -1	var	7		MAL13P1.356			
chr13	2866928	2866943	+ -1	var	7		MAL13P1.356			
chr13	2866950	2866965	+ -1	var	7		MAL13P1.356			
chr13	2866972	2866987	+ -1	var	7		MAL13P1.356			
chr13	2866994	2867009	+ -1	var	7		MAL13P1.356			
chr13	2867212	2867228	+ 1	var	203	5	MAL13P1.356			
chr13	2867214	2867230	+ -1	var	-14	5	MAL13P1.356			
chr13	2884497	2884512	1	TARE						
chr13	2886105	2886120	-1	TARE	1593					
chr13	2887760	2887776	+ 1	TARE	1640	5				
chr13	2888173	2888188	+ -1	TARE	397					
chr13	2888450	2888466	+ 1	TARE	262	5				
chr13	2888581	2888596	+ -1	TARE	115					
chr13	2888926	2888941	1	TARE	330					
chr13	2889108	2889123	+ -1	TARE	167					
chr13	2889264	2889279	+ 1	TARE	141					
chr13	2889840	2889855	+ 1	TARE	561					
chr13	2890266	2890281	+ 1	TARE	411					
chr13	2890401	2890416	+ 1	TARE	120					
chr13	2890536	2890551	+ 1	TARE	120					
chr13	2890827	2890842	+ 1	TARE	276					
chr13	2890962	2890977	+ 1	TARE	120					
chr13	2891097	2891112	+ 1	TARE	120					
chr13	2891367	2891382	1	TARE	255					
chr13	2891502	2891517	1	TARE	120					
chr14	657954	657969	1	hyp			PF14_0161		1	659538
chr14	1237682	1237698	-1	hyp		5	PF14_0293		-1	1237067
chr14	1919382	1919397	-1	putative centrin			PF14_0443		-1	1917953
chr14	2261182	2261198	-1				PF14_0527	exon	1	2259401
chr2	3053	3068	+ -1	TARE						
chr2	3188	3203	+ -1	TARE	120					
chr2	3323	3338	+ -1	TARE	120					
chr2	3458	3473	+ -1	TARE	120					
chr2	3593	3608	+ -1	TARE	120					
chr2	4019	4034	+ -1	TARE	411					
chr2	4154	4169	+ -1	TARE	120					
chr2	4289	4304	+ -1	TARE	120					
chr2	4559	4574	+ -1	TARE	255					
chr2	4715	4730	+ -1	TARE	141					
chr2	5350	5365	+ -1	TARE	620					
chr2	5506	5521	+ 1	TARE	141					
chr2	5688	5703	+ -1	TARE	167					
chr2	6033	6048	+ 1	TARE	330					
chr2	6163	6179	+ -1	TARE	115	5				
chr2	6441	6456	+ 1	TARE	262					
chr2	6852	6868	+ -1	TARE	396	5				
chr2	7130	7145	+ 1	TARE	262					
chr2	8509	8524	+ 1	TARE	1364					
chr2	10100	10115	-1	TARE	1576					
chr2	22417	22433	+ 1	var		5	PFB0010w		1	25232
chr2	22419	22435	+ -1	var	-14	5	PFB0010w			
chr2	22475	22491	+ 1	var	40	5	PFB0010w			

chr2	22477	22493	+	-1	var	-14	5	PFB0010w				
chr2	22910	22925	+	1	var	417		PFB0010w				
chr2	22937	22952	+	1	var	12		PFB0010w				
chr2	22964	22979	+	1	var	12		PFB0010w				
chr2	22992	23007	+	1	var	13		PFB0010w				
chr2	23020	23035	+	1	var	13		PFB0010w				
chr2	23047	23062	+	1	var	12		PFB0010w				
chr2	23074	23089		1	var	12		PFB0010w				
chr2	23102	23117		1	var	13		PFB0010w				
chr2	610088	610104		-1	hyp		5	PFB0680w	exon1	1	610087	
chr2	925761	925776		-1	var			PFB1055c		-1	923648	
chr2	925783	925798		-1	var	7		PFB1055c				
chr2	925805	925820		-1	var	7		PFB1055c				
chr2	925827	925842		-1	var	7		PFB1055c				
chr2	925849	925864		-1	var	7		PFB1055c				
chr2	925871	925886		-1	var	7		PFB1055c				
chr2	925893	925908		-1	var	7		PFB1055c				
chr2	925915	925930		-1	var	7		PFB1055c				
chr2	925937	925952		-1	var	7		PFB1055c				
chr2	925959	925974		-1	var	7		PFB1055c				
chr2	925981	925996		-1	var	7		PFB1055c				
chr2	926003	926018		-1	var	7		PFB1055c				
chr2	926025	926040		-1	var	7		PFB1055c				
chr2	926052	926067		-1	var	12		PFB1055c				
chr2	926282	926298	+	1	var	215	5	PFB1055c				
chr2	926284	926300	+	-1	var	-14	5	PFB1055c				
chr2	926385	926401	+	1	var	85	5	PFB1055c				
chr2	926387	926403	+	-1	var	-14	5	PFB1055c				
chr2	937952	937967		1	TARE							
chr2	939552	939567		-1	TARE	1585						
chr2	941897	941913	+	1	TARE	2330	5					
chr2	942028	942043	+	-1	TARE	115						
chr2	942555	942570		-1	TARE	512						
chr2	942711	942726		1	TARE	141						
chr2	943348	943363		1	TARE	622						
chr2	943639	943654		1	TARE	276						
chr2	943774	943789	+	1	TARE	120						
chr2	943909	943924	+	1	TARE	120						
chr2	944044	944059	+	1	TARE	120						
chr2	944335	944350	+	1	TARE	276						
chr2	944605	944620	+	1	TARE	255						
chr2	944875	944890	+	1	TARE	255						
chr2	945010	945025	+	1	TARE	120						
chr2	945012	945027	+	-1	TARE	-13						
chr3	1362	1377		-1	TARE							
chr3	1497	1512		-1	TARE	120						
chr3	1767	1782	+	-1	TARE	255						
chr3	1902	1917	+	-1	TARE	120						
chr3	2037	2052	+	-1	TARE	120						
chr3	2328	2343	+	-1	TARE	276						
chr3	2463	2478	+	-1	TARE	120						
chr3	2598	2613	+	-1	TARE	120						
chr3	3024	3039	+	-1	TARE	411						
chr3	3743	3758	+	-1	TARE	704						
chr3	3899	3914	+	1	TARE	141						
chr3	4081	4096	+	-1	TARE	167						
chr3	4426	4441	+	1	TARE	330						
chr3	4556	4572	+	-1	TARE	115	5					
chr3	6903	6918		1	TARE	2331						
chr3	8491	8506		-1	TARE	1573						
chr3	30989	31005	+	1	var		5	PFC0005w		1	33641	
chr3	30991	31007	+	-1	var	-14	5	PFC0005w				
chr3	31320	31335	+	1	var	313		PFC0005w				
chr3	31343	31358	+	1	var	8		PFC0005w				
chr3	31365	31380	+	1	var	7		PFC0005w				
chr3	31387	31402	+	1	var	7		PFC0005w				
chr3	31415	31430	+	1	var	13		PFC0005w				
chr3	31442	31457	+	1	var	12		PFC0005w				
chr3	31470	31485	+	1	var	13		PFC0005w				
chr3	31498	31513	+	1	var	13		PFC0005w				
chr3	199711	199726		-1	hyp			PFC0180c	PFC0185w			
chr3	1037163	1037178		-1	var/hyp			PFC1120c		-1	1034924	
chr3	1037190	1037205		-1	var/hyp	12		PFC1120c				
chr3	1037217	1037232		-1	var/hyp	12		PFC1120c				
chr3	1037244	1037259		-1	var/hyp	12		PFC1120c				
chr3	1037271	1037286		-1	var/hyp	12		PFC1120c				
chr3	1037299	1037314		-1	var/hyp	13		PFC1120c				
chr3	1037327	1037342		-1	var/hyp	13		PFC1120c				
chr3	1037355	1037370		-1	var/hyp	13		PFC1120c				
chr3	1037383	1037398		-1	var/hyp	13		PFC1120c				
chr3	1037410	1037425		-1	var/hyp	12		PFC1120c				
chr3	1037438	1037453		-1	var/hyp	13		PFC1120c				
chr3	1037465	1037480		-1	var/hyp	12		PFC1120c				
chr3	1037492	1037507		-1	var/hyp	12		PFC1120c				

chr3	1037520	1037535	-1	var/hyp	13	PFC1120c			
chr3	1037542	1037557	-1	var/hyp	7	PFC1120c			
chr3	1037566	1037581	-1	var/hyp	9	PFC1120c			
chr3	1037588	1037603	-1	var/hyp	7	PFC1120c			
chr3	1037610	1037625	-1	var/hyp	7	PFC1120c			
chr3	1037840	1037856	+	1	var/hyp	215	PFC1120c		
chr3	1037842	1037858	+	-1	var/hyp	-14	PFC1120c		
chr3	1038022	1038038	+	1	var/hyp	164	PFC1120c		
chr3	1038024	1038040	+	-1	var/hyp	-14	PFC1120c		
chr3	1051232	1051247		1	TARE				
chr3	1051871	1051886		1	TARE	624			
chr3	1052851	1052866		-1	TARE	965			
chr3	1054920	1054935	+	-1	TARE	2054			
chr3	1055197	1055213	+	1	TARE	262	5		
chr3	1055328	1055343	+	-1	TARE	115			
chr3	1055673	1055688	+	1	TARE	330			
chr3	1055855	1055870	+	-1	TARE	167			
chr3	1056011	1056026	+	1	TARE	141			
chr3	1056646	1056661	+	1	TARE	620			
chr3	1057072	1057087	+	1	TARE	411			
chr3	1057207	1057222	+	1	TARE	120			
chr3	1057342	1057357	+	1	TARE	120			
chr3	1057633	1057648	+	1	TARE	276			
chr3	1057768	1057783	+	1	TARE	120			
chr3	1057903	1057918	+	1	TARE	120			
chr3	1058173	1058188	+	1	TARE	255			
chr3	1058308	1058323		1	TARE	120			
chr4	8314	8329	+	-1	TARE				
chr4	8449	8464	+	-1	TARE	120			
chr4	8719	8734	+	-1	TARE	255			
chr4	8854	8869	+	-1	TARE	120			
chr4	8989	9004	+	-1	TARE	120			
chr4	9281	9296	+	-1	TARE	277			
chr4	9416	9431	+	-1	TARE	120			
chr4	9551	9566	+	-1	TARE	120			
chr4	9842	9857	+	-1	TARE	276			
chr4	10478	10493	+	-1	TARE	621			
chr4	10634	10649	+	1	TARE	141			
chr4	10816	10831	+	-1	TARE	167			
chr4	11161	11176	+	1	TARE	330			
chr4	11291	11307	+	-1	TARE	115	5		
chr4	11570	11585	+	1	TARE	263			
chr4	13638	13653		1	TARE	2053			
chr4	15257	15272		-1	TARE	1604			
chr4	32590	32606	+	1	var		5	PFD0005w	1 35153
chr4	32592	32608	+	-1	var	-14	5	PFD0005w	
chr4	32690	32706	+	1	var	82	5	PFD0005w	
chr4	32692	32708	+	-1	var	-14	5	PFD0005w	
chr4	32864	32879	+	1	var	156		PFD0005w	
chr4	32887	32902	+	1	var	8		PFD0005w	
chr4	32910	32925	+	1	var	8		PFD0005w	
chr4	32937	32952	+	1	var	12		PFD0005w	
chr4	32964	32979	+	1	var	12		PFD0005w	
chr4	32991	33006	+	1	var	12		PFD0005w	
chr4	270350	270365		1	protease putative			PFD0230c	PFD0235c -1
chr4	270352	270367		-1	protease putative	-13		PFD0230c	-1 269883
chr4	326137	326153		1	hyp		5	PFD0300w	1 327491
chr4	879424	879439		1	hyp			PFD0955w	1 880118
chr4	1185858	1185873		-1	var			PFD1245c	-1 1183848
chr4	1185885	1185900		-1	var	12		PFD1245c	
chr4	1185912	1185927		-1	var	12		PFD1245c	
chr4	1185939	1185954		-1	var	12		PFD1245c	
chr4	1185966	1185981		-1	var	12		PFD1245c	
chr4	1185993	1186008		-1	var	12		PFD1245c	
chr4	1186020	1186035		-1	var	12		PFD1245c	
chr4	1186047	1186062		-1	var	12		PFD1245c	
chr4	1186075	1186090		-1	var	13		PFD1245c	
chr4	1186102	1186117		-1	var	12		PFD1245c	
chr4	1186130	1186145		-1	var	13		PFD1245c	
chr4	1186158	1186173		-1	var	13		PFD1245c	
chr4	1186181	1186196		-1	var	8		PFD1245c	
chr4	1186563	1186579	+	1	var	367	5	PFD1245c	
chr4	1186565	1186581		-1	var	-14	5	PFD1245c	
chr4	1195676	1195691		1	hyp	9095		PFD1250w	intron 1 1192754
chr4	1197297	1197312		-1	TARE	1606			
chr4	1198952	1198968	+	1	TARE	1640	5		
chr4	1199083	1199098	+	-1	TARE	115			
chr4	1199428	1199443	+	1	TARE	330			
chr4	1199610	1199625	+	-1	TARE	167			
chr4	1199766	1199781		1	TARE	141			
chr4	1200401	1200416		1	TARE	620			
chr4	1200557	1200572		1	TARE	141			
chr4	1200692	1200707		1	TARE	120			
chr4	1200827	1200842		1	TARE	120			

chr7	5870	5885	-1	TARE	120					
chr7	6005	6020	-1	TARE	120					
chr7	6140	6155	-1	TARE	120					
chr7	6275	6290	-1	TARE	120					
chr7	6410	6425	-1	TARE	120					
chr7	6566	6581	-1	TARE	141					
chr7	7138	7153	-1	TARE	557					
chr7	7294	7309	1	TARE	141					
chr7	7476	7491	-1	TARE	167					
chr7	7821	7836	1	TARE	330					
chr7	7951	7967	-1	TARE	115	5				
chr7	9608	9623	1	TARE	1641					
chr7	10580	10595	-1	TARE	957					
chr7	11208	11223	-1	TARE	613					
chr7	27640	27656	1	var		5	MAL7P1.212	1	30673	
chr7	27642	27658	-1	var	-14	5	MAL7P1.212			
chr7	27695	27711	1	var	37	5	MAL7P1.212			
chr7	27697	27713	-1	var	-14	5	MAL7P1.212			
chr7	28211	28226	1	var	498		MAL7P1.212			
chr7	28238	28253	1	var	12		MAL7P1.212			
chr7	28265	28280	1	var	12		MAL7P1.212			
chr7	28294	28309	1	var	14		MAL7P1.212			
chr7	28322	28337	1	var	13		MAL7P1.212			
chr7	28350	28365	1	var	13		MAL7P1.212			
chr7	28378	28393	1	var	13		MAL7P1.212			
chr7	28406	28421	1	var	13		MAL7P1.212			
chr7	28434	28449	1	var	13		MAL7P1.212			
chr7	28462	28477	1	var	13		MAL7P1.212			
chr7	28486	28501	1	var	9		MAL7P1.212			
chr7	28510	28525	1	var	9		MAL7P1.212			
chr7	28538	28553	1	var	13		MAL7P1.212			
chr7	1483602	1483617	-1	var			MAL7P1.187	-1	1481610	
chr7	1483630	1483645	-1	var	13		MAL7P1.187			
chr7	1483657	1483672	-1	var	12		MAL7P1.187			
chr7	1483685	1483700	-1	var	13		MAL7P1.187			
chr7	1483708	1483723	-1	var	8		MAL7P1.187			
chr7	1483735	1483750	-1	var	12		MAL7P1.187			
chr7	1484407	1484423	+	1	var	657	5	MAL7P1.187		
chr7	1484409	1484425	+	-1	var	-14	5	MAL7P1.187		
chr7	1492987	1493002	1	TARE						
chr7	1494589	1494604	-1	TARE	1587					
chr7	1496657	1496672	+	-1	TARE	2053				
chr7	1496934	1496950	+	1	TARE	262	5			
chr7	1497065	1497080	+	-1	TARE	115				
chr7	1497410	1497425	+	1	TARE	330				
chr7	1497592	1497607	-1	TARE	167					
chr7	1498425	1498440	1	TARE	818					
chr7	1498716	1498731	+	1	TARE	276				
chr7	1498851	1498866	+	1	TARE	120				
chr7	1498986	1499001	+	1	TARE	120				
chr7	1499277	1499292	+	1	TARE	276				
chr7	1499412	1499427	+	1	TARE	120				
chr7	1499547	1499562	+	1	TARE	120				
chr7	1499817	1499832	+	1	TARE	255				
chr7	1499952	1499967	1	TARE	120					
chr8	3090	3105	-1	TARE						
chr8	3225	3240	-1	TARE	120					
chr8	3360	3375	+	-1	TARE	120				
chr8	3495	3510	+	-1	TARE	120				
chr8	3630	3645	+	-1	TARE	120				
chr8	3765	3780	+	-1	TARE	120				
chr8	4056	4071	+	-1	TARE	276				
chr8	4191	4206	+	-1	TARE	120				
chr8	4326	4341	+	-1	TARE	120				
chr8	4461	4476	+	-1	TARE	120				
chr8	4752	4767	-1	TARE	276					
chr8	5387	5402	-1	TARE	620					
chr8	5543	5558	1	TARE	141					
chr8	5725	5740	+	-1	TARE	167				
chr8	6070	6085	+	1	TARE	330				
chr8	6200	6216	+	-1	TARE	115	5			
chr8	6478	6493	+	1	TARE	262				
chr8	6914	6929	+	-1	TARE	421				
chr8	7168	7183	+	1	TARE	239				
chr8	7857	7872	+	1	TARE	674				
chr8	19536	19552	+	1	var		5	PF08 0142	1	22369
chr8	19538	19554	+	-1	var	-14	5	PF08 0142		
chr8	19915	19930	+	1	var	361		PF08 0142		
chr8	19938	19953	+	1	var	8		PF08 0142		
chr8	19961	19976	+	1	var	8		PF08 0142		
chr8	19984	19999	+	1	var	8		PF08 0142		
chr8	20007	20022	+	1	var	8		PF08 0142		
chr8	20030	20045	+	1	var	8		PF08 0142		
chr8	20053	20068	+	1	var	8		PF08 0142		

chr8	20075	20090	+	1	var		7	PF08_0142				
chr8	20097	20112	+	1	var		7	PF08_0142				
chr8	20119	20134	+	1	var		7	PF08_0142				
chr8	20147	20162	+	1	var		13	PF08_0142				
chr8	20174	20189	+	1	var		12	PF08_0142				
chr8	20202	20217	+	1	var		13	PF08_0142				
chr8	20229	20244	+	1	var		12	PF08_0142				
chr8	20256	20271	+	1	var		12	PF08_0142				
chr8	26307	26323		1	var		5	PF08_0142	exon 1			
chr8	208975	208991		1	hyp		5	MAL8P1.145			1	209571
chr8	400130	400145		-1	serine protease putative			MAL8P1.126			-1	399909
chr8	1124705	1124721		-1	ubiquitin protein liqase 1, putative		5	MAL8P1.23	exon		-1	1140216
chr8	1401461	1401476	+	-1	var			MAL8P1.220			-1	1399234
chr8	1401488	1401503	+	-1	var		12	MAL8P1.220				
chr8	1401515	1401530	+	-1	var		12	MAL8P1.220				
chr8	1401542	1401557	+	-1	var		12	MAL8P1.220				
chr8	1401570	1401585	+	-1	var		13	MAL8P1.220				
chr8	1401598	1401613	+	-1	var		13	MAL8P1.220				
chr8	1401625	1401640	+	-1	var		12	MAL8P1.220				
chr8	1401653	1401668	+	-1	var		13	MAL8P1.220				
chr8	1401680	1401695	+	-1	var		12	MAL8P1.220				
chr8	1401707	1401722	+	-1	var		12	MAL8P1.220				
chr8	1401730	1401745	+	-1	var		8	MAL8P1.220				
chr8	1402058	1402074	+	1	var		313	5 MAL8P1.220				
chr8	1402060	1402076	+	-1	var		-14	5 MAL8P1.220				
chr8	1410598	1410613		1	hyp		8522	MAL8P1.330			1	1412780
chr8	1411226	1411241		1	hyp		613	MAL8P1.330			1	1412780
chr8	1412206	1412221	+	-1	hyp		965	MAL8P1.330			1	1412780
chr8	1413861	1413877	+	1	TARE		1640	5				
chr8	1413992	1414007	+	-1	TARE		115					
chr8	1414337	1414352	+	1	TARE		330					
chr8	1414519	1414534	+	-1	TARE		167					
chr8	1414675	1414690	+	1	TARE		141					
chr8	1415310	1415325	+	1	TARE		620					
chr8	1415466	1415481	+	1	TARE		141					
chr8	1415601	1415616	+	1	TARE		120					
chr8	1415736	1415751	+	1	TARE		120					
chr8	1415871	1415886	+	1	TARE		120					
chr8	1416006	1416021	+	1	TARE		120					
chr8	1416297	1416312	+	1	TARE		276					
chr8	1416432	1416447	+	1	TARE		120					
chr8	1416567	1416582	+	1	TARE		120					
chr8	1417242	1417257		1	TARE		660					
chr8	1417377	1417392		1	TARE		120					
chr9	979	994	+	-1	TARE							
chr9	1114	1129	+	-1	TARE		120					
chr9	1249	1264	+	-1	TARE		120					
chr9	1384	1399	+	-1	TARE		120					
chr9	1519	1534	+	-1	TARE		120					
chr9	1654	1669	+	-1	TARE		120					
chr9	1789	1804	+	-1	TARE		120					
chr9	2080	2095	+	-1	TARE		276					
chr9	2215	2230	+	-1	TARE		120					
chr9	2350	2365	+	-1	TARE		120					
chr9	2641	2656	+	-1	TARE		276					
chr9	3277	3292	+	-1	TARE		621					
chr9	3433	3448	+	1	TARE		141					
chr9	3615	3630	+	-1	TARE		167					
chr9	3960	3975	+	1	TARE		330					
chr9	4090	4106	+	-1	TARE		115	5				
chr9	6436	6451		1	TARE		2330					
chr9	8045	8060		-1	TARE		1594					
chr9	17198	17214	+	1	var		5	PFI0005w			1	20080
chr9	17200	17216	+	-1	var		-14	5 PFI0005w				
chr9	17255	17271	+	1	var		39	5 PFI0005w				
chr9	17257	17273	+	-1	var		-14	5 PFI0005w				
chr9	17527	17542	+	1	var		254	PFI0005w				
chr9	17554	17569	+	1	var		12	PFI0005w				
chr9	17581	17596	+	1	var		12	PFI0005w				
chr9	17608	17623	+	1	var		12	PFI0005w				
chr9	17635	17650	+	1	var		12	PFI0005w				
chr9	17662	17677	+	1	var		12	PFI0005w				
chr9	17689	17704	+	1	var		12	PFI0005w				
chr9	17716	17731	+	1	var		12	PFI0005w				
chr9	17743	17758	+	1	var		12	PFI0005w				
chr9	17771	17786	+	1	var		13	PFI0005w				
chr9	17798	17813	+	1	var		12	PFI0005w				
chr9	17826	17841	+	1	var		13	PFI0005w				
chr9	17853	17868	+	1	var		12	PFI0005w				
chr9	17881	17896	+	1	var		13	PFI0005w				
chr9	17908	17923	+	1	var		12	PFI0005w				
chr9	275999	276014		-1	RHOPH3			PFI0265c			-1	274787
chr9	373429	373444		-1	S1/P1 nuclease, putative			PFI0385c			-1	370444
chr9	398159	398174		-1	hyp			PFI0410c			-1	398007

chr9	616555	616571		1	hyp		5	PFI0705w		1	617954
chr9	1359737	1359752		-1	hyp			PFI1680w	PFI1685w	1	
chr9	1505450	1505465		-1	var			PFI1830c		-1	1503324
chr9	1505477	1505492		-1	var		12	PFI1830c			
chr9	1505505	1505520		-1	var		13	PFI1830c			
chr9	1505532	1505547	+	-1	var		12	PFI1830c			
chr9	1505559	1505574	+	-1	var		12	PFI1830c			
chr9	1505587	1505602	+	-1	var		13	PFI1830c			
chr9	1505614	1505629	+	-1	var		12	PFI1830c			
chr9	1505641	1505656	+	-1	var		12	PFI1830c			
chr9	1505669	1505684	+	-1	var		13	PFI1830c			
chr9	1505692	1505707	+	-1	var		8	PFI1830c			
chr9	1505715	1505730	+	-1	var		8	PFI1830c			
chr9	1506187	1506202	+	1	var		457	PFI1830c			
chr9	1506189	1506204	+	-1	var		-13	PFI1830c			
chr9	1506243	1506259	+	1	var		39	5 PFI1830c			
chr9	1506245	1506261	+	-1	var		-14	5 PFI1830c			
chr9	1532044	1532059		1	TARE						
chr9	1533643	1533658		-1	TARE		1584				
chr9	1535711	1535726	+	-1	TARE		2053				
chr9	1535988	1536004	+	1	TARE		262	5			
chr9	1536119	1536134	+	-1	TARE		115				
chr9	1536464	1536479	+	1	TARE		330				
chr9	1536646	1536661	+	-1	TARE		167				
chr9	1536802	1536817	+	1	TARE		141				
chr9	1537441	1537456	+	1	TARE		624				
chr9	1537732	1537747	+	1	TARE		276				
chr9	1537867	1537882	+	1	TARE		120				
chr9	1538137	1538152	+	1	TARE		255				
chr9	1538428	1538443	+	1	TARE		276				
chr9	1538563	1538578	+	1	TARE		120				
chr9	1538698	1538713	+	1	TARE		120				
chr9	1538968	1538983	+	1	TARE		255				
chr9	1539103	1539118	+	1	TARE		120				