

**Table S2 Mapping of full length retroviral insertion sites on human genome (build34)**

QNAME	QB	QE	QLEN	SNAME	SB	SE	OREINT	FractionBP
RP41_16i8TV.752	149	211	752	chr1	1371466	1371404	-	0.967213
RP43_0031I08.g1.658	83	348	658	chr1	2198861	<b>2199126</b>	+	0.984314
RP43_0031I08.b1.718	321	572	718	chr1	2371245	<b>2370994</b>	-	1
RP41_0074I19.b1.687	78	309	687	chr1	10269507	10269738	+	0.954545
CH255_132i21TV.645	1	124	645	chr1	13481845	13481968	+	0.988889
CH255_250I17TV.623	1	346	623	chr1	13497056	13497401	+	0.990826
CH255_97b10TJ.357	4	149	357	chr1	13620893	<b>13621038</b>	+	0.983051
CH255_250I17TJ.812	677	796	812	chr1	13658366	<b>13658247</b>	-	1
CH255_132i21TJ.842	383	802	842	chr1	13662925	13662506	-	0.981333
RP43_0148H12.g1.619	170	326	619	chr1	30177937	30177781	-	0.978873
RP41_8h9TJ.612	1	96	612	chr1	32457795	32457890	+	0.977273
RP41_2p7TV.842	697	749	842	chr1	45193610	<b>45193662</b>	+	0.954545
RP41_0057G22.b1.766	324	545	766	chr1	45264103	<b>45263882</b>	-	0.958333
RP41_20b5TJ.706	176	397	706	chr1	45264103	45263882	-	0.963964
RP41_2p7TJ.825	296	589	825	chr1	45338004	45337711	-	0.989796
RP41_36m15TJ.843	628	796	843	chr1	45348404	45348236	-	0.965986
CH255_218g10TJ.638	1	394	638	chr1	46784230	46784623	+	0.966767
CH255_218g10TV.531	7	530	531	chr1	46805250	46805773	+	0.987835
CH255_13m13TJ.218	1	214	218	chr1	46934606	<b>46934819</b>	+	0.990291
CH255_264k10TJ.844	572	844	844	chr1	46981395	<b>46981123</b>	-	0.990783
CH255_13m13TV.230	7	192	230	chr1	47212390	47212205	-	0.989899
RP41_19o9TV.857	208	349	857	chr1	50571884	<b>50572025</b>	+	0.985915
RP41_25j17TJ.779	169	415	779	chr1	50772046	<b>50771800</b>	-	0.96
RP43_0094M19.g1.601	205	512	601	chr1	54621418	<b>54621725</b>	+	0.980488
RP43_0094M19.b1.657	425	491	657	chr1	54808881	<b>54808815</b>	-	1
CH255_252k17TJ.770	1	600	770	chr1	66808015	<b>66808614</b>	+	0.991259
CH255_235p19TJ.634	315	403	634	chr1	66922122	<b>66922034</b>	-	1
RP41_0069F22.b1.729	125	191	729	chr1	70068097	70068163	+	0.969697
RP41_0078K11.b1.697	80	144	697	chr1	70171635	<b>70171699</b>	+	0.984615
RP41_0069F22.g1.694	65	148	694	chr1	70226095	<b>70226012</b>	-	1
RP41_0071M18.b1.726	513	575	726	chr1	78640618	<b>78640680</b>	+	0.9375
RP41_24k19TJ.850	405	632	850	chr1	78785325	<b>78785098</b>	-	0.938967
RP41_0071M18.g1.706	90	307	706	chr1	78826231	78826014	-	0.956522
CH255_218a4TV.763	1	50	763	chr1	82077018	82077067	+	1
CH255_19m21TJ.447	75	136	447	chr1	90790733	90790794	+	0.983051
CH255_10n18TV.187	19	187	187	chr1	90866383	<b>90866551</b>	+	0.991304
CH255_19m21TV.455	4	184	455	chr1	90984597	<b>90984417</b>	-	0.980892
CH255_10n18TJ.289	4	289	289	chr1	91087424	91087139	-	0.988439
CH255_235p10TJ.645	216	645	645	chr1	91128797	91128368	-	0.981073
CH250_18m4TJ.863	723	784	863	chr1	91324181	91324120	-	0.971429
CH255_204j16TV.297	1	222	297	chr1	91324728	91324949	+	0.993548
CH250_159g12TV.707	269	470	707	chr1	91343343	91343142	-	0.950495
CH250_27g9TV.414	45	269	414	chr1	91343848	91344072	+	0.969466
CH250_48i21TV.151	1	151	151	chr1	96430541	96430691	+	0.932584
RP41_0159H24.g1.651	375	465	651	chr1	101244028	101244118	+	1
RP41_0073C02.b1.746	552	644	746	chr1	101365741	<b>101365833</b>	+	1
RP41_0159H24.b1.740	188	314	740	chr1	101426629	<b>101426503</b>	-	0.944882
RP41_0073C02.g1.706	399	514	706	chr1	101533357	101533242	-	1
CH255_208i3TV.634	522	633	634	chr1	103716355	<b>103716466</b>	+	1

CH255_229I3TV.842	100	230	842	chr1	103922950	<b>103922820</b>	-	0.976744
CH255_114d2TJ.646	488	646	646	chr1	103941814	103941656	-	0.98
RP41_0155I15.b1.757	105	481	757	chr1	106349811	<b>106350187</b>	+	0.928302
RP41_0155I15.g1.750	385	470	750	chr1	106511667	<b>106511582</b>	-	0.944444
CH250_18m4TV.514	227	360	514	chr1	107865531	107865664	+	0.9875
RP43_0054C17.b1.700	61	345	700	chr1	111085105	<b>111085389</b>	+	0.972477
RP43_0054C17.g1.627	40	158	627	chr1	111253603	<b>111253485</b>	-	0.980769
RP43_0146F10.g1.624	4	509	624	chr1	113081765	113081260	-	0.987981
RP41_31a20TJ.836	753	814	836	chr1	119530260	<b>119530321</b>	+	0.972973
CH250_168c7TJ.825	192	276	825	chr1	119664263	<b>119664347</b>	+	0.964286
RP41_31a20TV.880	206	364	880	chr1	119690678	<b>119690520</b>	-	0.981132
RP41_0065D07.g1.705	396	509	705	chr1	119703847	119703734	-	1
CH250_168c7TV.892	52	565	892	chr1	119808674	<b>119808161</b>	-	0.973306
RP43_0078P13.b1.706	79	576	706	chr1	140709984	140709487	-	0.989362
RP43_121h2TV.678	318	404	678	chr1	141251782	<b>141251868</b>	+	0.988506
CH255_113g12TJ.606	130	302	606	chr1	141298487	141298315	-	0.959538
RP43_0150P09.g1.632	432	507	632	chr1	141349535	<b>141349460</b>	-	1
CH250_82I23TJ.305	68	305	305	chr1	142680877	142680640	-	0.941748
RP43_0086D24.g1.632	7	66	632	chr1	143036595	143036654	+	1
CH250_82I23TV.433	1	166	433	chr1	143692405	143692240	-	0.923611
CH250_157I3TV.834	607	690	834	chr1	144163994	144164077	+	0.987952
CH250_41a24TV.677	356	571	677	chr1	145503031	145502816	-	0.951087
RP43_0146F10.b1.698	421	498	698	chr1	146466476	146466399	-	1
CH255_112g4TJ.640	7	108	640	chr1	149047314	149047415	+	0.988636
CH255_196n5TJ.462	1	280	462	chr1	149177761	<b>149178040</b>	+	1
CH255_112g4TV.360	4	360	360	chr1	149261732	<b>149261376</b>	-	1
CH255_196n5TV.633	492	600	633	chr1	149393451	149393343	-	1
CH250_153a24TJ.772	639	769	772	chr1	150614117	150614247	+	0.962264
CH250_159f4TV.882	553	882	882	chr1	150656729	<b>150657058</b>	+	0.934066
CH250_159f4TJ.844	326	560	844	chr1	150817051	<b>150816817</b>	-	0.951327
RP41_0058M16.b1.757	285	516	757	chr1	152718327	<b>152718558</b>	+	0.971429
RP41_32a11TV.797	15	68	797	chr1	152852446	<b>152852393</b>	-	1
RP41_0058M16.g1.690	58	333	690	chr1	152903872	152903597	-	0.960396
CH250_31c14TV.754	115	222	754	chr1	154608239	154608346	+	0.962963
CH255_43a21TV.712	44	252	712	chr1	156110332	<b>156110540</b>	+	0.990244
CH255_43a21TJ.681	558	680	681	chr1	156281381	<b>156281259</b>	-	1
CH255_125I19TV.490	1	368	490	chr1	158044819	158045186	+	0.976027
CH255_218a4TJ.769	408	769	769	chr1	158053648	158054009	+	0.996047
CH255_235b12TJ.530	1	400	530	chr1	158063146	158063545	+	0.987952
RP41_0054J10.b1.732	82	279	732	chr1	158740635	<b>158740832</b>	+	0.969697
RP41_0054J10.g1.721	88	545	721	chr1	158884950	<b>158884493</b>	-	0.966759
CH250_160n11TV.873	486	551	873	chr1	168497127	168497192	+	0.969697
RP41_0068G06.b1.728	74	126	728	chr1	172027909	172027857	-	0.959184
CH250_162c6TV.837	34	201	837	chr1	176211987	176211820	-	0.973684
RP43_106d5TV.643	41	554	643	chr1	178140314	<b>178140827</b>	+	0.989733
RP43_106d5TJ.737	4	210	737	chr1	178304317	<b>178304111</b>	-	1
RP43_0039F01.b1.734	281	531	734	chr1	180662566	180662316	-	0.990476
RP41_0091F11.g1.736	322	443	736	chr1	183775618	<b>183775739</b>	+	0.957983
RP41_0091F11.b1.736	348	536	736	chr1	183926014	<b>183925826</b>	-	0.933884
CH250_86c12TV.878	335	500	878	chr1	185208177	<b>185208342</b>	+	0.932927
CH250_86c12TJ.845	431	577	845	chr1	185358908	<b>185358762</b>	-	0.986395
CH250_65m13TJ.860	295	768	860	chr1	185379480	185379007	-	0.970414

CH250_160n11TJ.862	608	741	862 chr1	192490900	192491033 +	0.954545
RP41_11j24TV.777	8	232	777 chr1	225622100	225622324 +	0.936275
CH250_1I23TJ.641	34	467	641 chr1	225674904	225675337 +	0.950131
CH255_143g16TV.845	7	227	845 chr1	239719020	239719240 +	0.994975
RP41_11i14TJ.840	11	108	840 chr1	243296279	243296376 +	0.956522
CH255_143g16TJ.775	1	149	775 chr1	245098587	245098735 +	0.992806
CH250_41a24TJ.847	386	785	847 chr1_rand	959469	959868 +	0.975741
CH250_153a24TV.672	15	162	672 chr1_rand	5015019	5014872 -	0.958678
RP41_42g16TV.893	622	681	893 chr10	577206	577147 -	0.945455
CH250_87e16TJ.755	454	512	755 chr10	2308397	2308455 +	0.953488
CH255_28j17TV.493	157	266	493 chr10	6633760	6633869 +	1
CH255_211g16TV.572	4	572	572 chr10	6716352	6716920 +	0.972028
CH255_211m15TV.369	31	361	369 chr10	6716394	6716724 +	0.951049
CH255_136b23TV.304	196	286	304 chr10	6728197	6728287 +	1
CH255_238b21TJ.166	1	166	166 chr10	6740446	6740611 +	1
CH255_118c16TV.810	4	810	810 chr10	6787185	6787991 +	0.983633
CH255_215c14TJ.642	5	414	642 chr10	6837335	<b>6837744</b> +	0.994819
CH255_28j17TJ.324	97	324	324 chr10	6898388	<b>6898161</b> -	0.976923
CH255_136b23TJ.772	650	772	772 chr10	6923669	6923547 -	1
CH255_211m15TJ.403	6	403	403 chr10	6924213	6923816 -	0.962025
CH255_211g16TJ.532	48	532	532 chr10	6924215	6923731 -	0.974522
CH255_31a20TJ.291	1	75	291 chr10	6936302	6936376 +	1
CH255_215c14TV.641	375	641	641 chr10	7028668	7028402 -	0.974359
CH255_226f3TV.696	6	182	696 chr10	7095996	7095820 -	0.99359
CH255_139m21TJ.831	2	461	831 chr10	11608744	11608285 -	0.985748
RP41_0087J05.b1.690	147	315	690 chr10	17629873	17630041 +	0.955128
RP43_0162P16.b1.684	94	644	684 chr10	30058338	<b>30058888</b> +	0.985849
RP43_0162P16.g1.586	10	477	586 chr10	30193923	<b>30193456</b> -	0.995
RP41_0094D08.g1.757	412	517	757 chr10	36775495	<b>36775600</b> +	0.977273
RP41_0094D08.b1.755	37	499	755 chr10	36963527	<b>36963065</b> -	0.928571
RP41_0079A06.b1.732	52	259	732 chr10	37066787	37066994 +	0.946078
CH250_163a22TJ.865	472	748	865 chr10	37584164	37584440 +	0.938182
RP43_132e19TV.565	513	565	565 chr10	43169530	43169478 -	1
RP41_0149C03.b1.742	330	407	742 chr10	45690747	45690670 -	0.95122
CH250_157I15TV.881	1	110	881 chr10	47779879	47779770 -	0.983333
CH255_214f21TV.562	5	562	562 chr10	49727645	49728202 +	0.982368
CH255_241i1TJ.825	1	105	825 chr10	49834828	<b>49834932</b> +	1
CH255_230e13TJ.522	364	522	522 chr10	49952050	<b>49951892</b> -	1
CH255_241i1TV.617	469	599	617 chr10	50087008	50086878 -	0.974576
CH255_18i8TV.360	41	360	360 chr10	50087726	50087407 -	0.995192
RP41_0155H22.b1.740	107	280	740 chr10	50257838	50258011 +	0.972222
CH250_157I15TJ.856	338	395	856 chr10	50833597	50833654 +	0.982759
RP41_0096B22.g1.753	219	527	753 chr10	55552799	55552491 -	0.947761
RP43_105d1TV.621	223	515	621 chr10	61199434	<b>61199726</b> +	0.98913
RP43_105d1TJ.594	21	214	594 chr10	61374205	<b>61374012</b> -	0.987879
CH250_1h5TJ.580	53	109	580 chr10	63318396	63318452 +	0.979592
RP41_0082H03.g1.753	380	531	753 chr10	63369779	<b>63369930</b> +	0.964706
CH250_82f19TV.838	134	700	838 chr10	63402978	<b>63403544</b> +	0.94484
CH250_61n13TV.711	216	407	711 chr10	63514427	<b>63514236</b> -	0.953125
RP41_0082H03.b1.725	475	581	725 chr10	63523433	<b>63523327</b> -	1
CH250_82f19TJ.795	713	762	795 chr10	63548296	63548247 -	1
RP43_0008F10.g1.628	155	308	628 chr10	69492390	<b>69492543</b> +	0.992424

RP43_0008F10.b1.712	85	390	712	chr10	69708441	<b>69708136</b>	-	0.991968
CH250_145o15TV.865	801	853	865	chr10	75668660	75668712	+	1
RP41_0096B22.b1.770	386	445	770	chr10	81255128	81255069	-	1
RP43_0037D13.b1.756	79	693	756	chr10	85370292	<b>85370906</b>	+	0.978049
RP43_0037D13.g1.634	4	80	634	chr10	85559308	<b>85559232</b>	-	0.983333
RP43_0074F04.g1.632	445	505	632	chr10	85648368	85648308	-	1
RP41_18n20TJ.723	380	441	723	chr10	88780396	88780335	-	0.967742
CH255_110g1TJ.863	606	863	863	chr10	90599808	<b>90600065</b>	+	1
CH255_110g1TV.845	591	845	845	chr10	90788972	<b>90788718</b>	-	0.993631
CH255_142h23TV.787	379	740	787	chr10	90809123	90808762	-	0.992366
CH255_108I13TV.794	107	316	794	chr10	91329911	91330120	+	0.980952
CH255_10g22TJ.186	1	186	186	chr10	91384168	91384353	+	1
CH255_132m7TV.743	30	498	743	chr10	91423515	91423983	+	0.985037
CH255_4m10TJ.183	1	183	183	chr10	91483402	<b>91483584</b>	+	0.979167
CH255_108I13TJ.546	4	89	546	chr10	91560507	<b>91560422</b>	-	1
CH255_10g22TV.327	120	298	327	chr10	91591496	91591318	-	0.991597
CH255_132m7TJ.829	9	85	829	chr10	91610589	91610513	-	0.985507
CH255_4m10TV.170	13	168	170	chr10	91731393	91731238	-	0.982143
RP43_104n23TV.537	457	537	537	chr10	104615764	<b>104615844</b>	+	1
RP43_104n23TJ.348	210	269	348	chr10	104749589	<b>104749530</b>	-	1
RP41_0091N11.b1.775	127	206	775	chr10	105653429	<b>105653508</b>	+	0.95
RP41_0091N11.g1.734	308	502	734	chr10	105830173	<b>105829979</b>	-	0.921348
RP41_38o11TJ.817	533	771	817	chr10	116268071	<b>116268309</b>	+	0.990698
RP41_38o11TV.885	584	694	885	chr10	116438850	<b>116438740</b>	-	0.963303
CH255_25n20TJ.447	156	207	447	chr10	117195138	117195189	+	1
CH255_106i7TJ.635	3	511	635	chr10	117202555	117203063	+	0.991398
CH255_144b20TV.783	670	723	783	chr10	117203223	117203276	+	1
CH255_143o15TV.789	731	785	789	chr10	117203280	117203334	+	1
CH255_244o16TV.600	29	598	600	chr10	117309687	117310256	+	0.983209
CH255_241n11TJ.843	3	431	843	chr10	117319735	<b>117320163</b>	+	0.979328
CH255_25n20TV.497	44	497	497	chr10	117413595	<b>117413142</b>	-	0.970516
CH255_106i7TV.778	1	483	778	chr10	117413687	117413205	-	0.968182
CH255_143o15TJ.805	61	394	805	chr10	117464537	117464204	-	0.98722
CH255_144b20TJ.839	1	393	839	chr10	117464596	117464204	-	0.988235
CH255_244o16TJ.811	3	582	811	chr10	117467572	117466993	-	0.984762
CH255_107f11TV.835	87	267	835	chr10	117529879	117529699	-	1
CH255_133n10TJ.786	668	786	786	chr10	131455824	131455942	+	1
CH255_133n10TV.604	1	251	604	chr10	131880673	131880923	+	0.982906
CH255_30p2TJ.283	18	87	283	chr11	1583898	1583829	-	1
RP43_0010D20.b1.668	60	464	668	chr11	4095247	4095651	+	0.991124
RP43_0001O07.b1.709	396	538	709	chr11	4109376	<b>4109518</b>	+	1
RP43_107n8TJ.740	657	737	740	chr11	4200324	<b>4200244</b>	-	1
RP43_0001O07.g1.651	248	354	651	chr11	4328757	4328651	-	0.990291
RP43_0010D20.g1.661	255	361	661	chr11	4328757	4328651	-	0.980198
RP43_0042F24.b1.723	344	450	723	chr11	4328757	4328651	-	1
RP41_20e16TJ.861	4	238	861	chr11	21379086	21378852	-	0.990654
RP41_10j22TV.249	16	183	249	chr11	26126380	26126547	+	0.937984
RP41_0062J01.g1.689	110	420	689	chr11	26155713	26156023	+	0.938907
RP43_119e13TV.591	39	161	591	chr11	29663487	<b>29663609</b>	+	0.978947
RP43_119e13TJ.638	401	499	638	chr11	29833667	<b>29833569</b>	-	0.987805
RP41_0091E18.b1.702	58	281	702	chr11	33618216	33618439	+	0.962791
RP43_0090L07.b1.679	539	618	679	chr11	39963777	39963856	+	1

RP43_127f7TV.731	6	618	731	chr11	39993393	<b>39994005</b>	+	0.991319
RP43_0090L07.g1.626	385	581	626	chr11	40137802	<b>40137606</b>	-	0.97561
RP43_127f7TJ.851	19	244	851	chr11	40161257	40161032	-	0.981132
RP43_0092B22.b1.709	68	650	709	chr11	40189625	40189043	-	1
CH250_59a10TJ.592	1	307	592	chr11	41233350	41233656	+	0.959391
CH250_47d15TV.839	569	839	839	chr11	41287789	41288059	+	0.973684
CH250_39m18TJ.428	174	389	428	chr11	41331862	41332077	+	0.989796
CH250_167b9TJ.839	490	824	839	chr11	41345389	<b>41345723</b>	+	0.935018
CH250_47d15TJ.880	452	561	880	chr11	41440776	<b>41440667</b>	-	0.972727
CH250_39m18TV.688	276	356	688	chr11	41519091	41519011	-	0.950617
CH250_77e14TV.764	691	762	764	chr11	41520712	41520641	-	1
CH250_27j14TJ.790	413	464	790	chr11	41521006	41520955	-	0.980769
CH250_167b9TV.842	754	819	842	chr11	41524420	41524355	-	1
RP43_128n12TV.386	328	386	386	chr11	49107730	49107788	+	1
RP43_0031P04.g1.572	1	113	572	chr11	49108117	49108229	+	0.990476
RP43_0092J15.b1.713	44	644	713	chr11	49200624	<b>49201224</b>	+	0.993243
RP43_128n22TJ.886	1	709	886	chr11	49242155	<b>49241447</b>	-	0.992424
RP43_0092J15.g1.611	1	340	611	chr11	49245932	49245593	-	0.993976
RP43_0031P04.b1.733	468	573	733	chr11	49264873	49264768	-	1
CH255_229i9TJ.712	6	712	712	chr11	55034163	55034869	+	0.972713
CH255_24o3TV.364	5	364	364	chr11	55079936	<b>55080295</b>	+	0.972763
CH255_229i9TV.263	42	263	263	chr11	55193654	<b>55193433</b>	-	0.985714
RP43_0016G07.b1.703	60	337	703	chr11	55469659	<b>55469936</b>	+	0.980769
RP43_0159M23.g1.618	52	300	618	chr11	55689966	<b>55689718</b>	-	0.987854
RP41_43o15TJ.843	1	214	843	chr11	57070024	57070237	+	0.928571
CH255_124i12TJ.844	1	699	844	chr11	58034598	58035296	+	0.989614
CH255_134j11TV.708	28	103	708	chr11	58051344	58051419	+	1
CH255_116d19TV.618	5	618	618	chr11	58087850	58088463	+	0.985748
CH255_194m21TJ.770	1	133	770	chr11	58186624	<b>58186756</b>	+	0.990291
CH255_134j11TJ.798	22	126	798	chr11	58265667	<b>58265563</b>	-	0.973684
CH255_100m22TJ.522	5	56	522	chr11	58402405	58402354	-	1
CH255_194m21TV.481	393	481	481	chr11	58420556	58420468	-	0.9
CH255_198p6TJ.691	554	691	691	chr11	67556994	67556857	-	1
RP43_117p9TV.634	1	145	634	chr11	71330780	71330636	-	0.983607
RP43_116p21TV.763	3	154	763	chr11	71330787	71330636	-	0.984127
RP41_0063D10.g1.713	413	532	713	chr11	72527135	<b>72527254</b>	+	0.928571
RP41_0063D10.b1.782	315	594	782	chr11	72680990	<b>72680711</b>	-	0.983516
RP43_106d3TV.417	5	110	417	chr11	76893867	76893972	+	1
RP43_100k16TV.709	176	679	709	chr11	76954382	<b>76954885</b>	+	0.987539
RP43_106d3TJ.739	447	583	739	chr11	77048136	<b>77048000</b>	-	1
RP43_100k16TJ.729	19	89	729	chr11	77106276	77106206	-	1
RP43_132o6TV.709	139	709	709	chr11	77151393	77150823	-	0.995807
RP41_0153B21.b1.747	140	552	747	chr11	77810014	77810426	+	0.948339
RP41_0079A06.g1.783	370	437	783	chr11	80028857	80028924	+	0.96875
RP43_128n12TJ.275	5	275	275	chr11	89006125	<b>89006395</b>	+	0.987448
RP43_128n22TV.813	600	813	813	chr11	89134050	<b>89133837</b>	-	1
RP41_0063H12.g1.717	393	619	717	chr11	97099878	97100104	+	0.968504
RP41_0093N22.g1.761	78	424	761	chr11	107356144	107355798	-	0.953988
RP41_0064N05.b1.781	310	514	781	chr11	124982210	124982006	-	0.978022
CH255_230j16TV.545	162	231	545	chr11	126361041	126361110	+	1
RP41_0056P04.b1.773	471	570	773	chr11	129479319	129479418	+	1
RP41_0084L23.g1.750	140	499	750	chr11	129479319	129479678	+	0.978723



RP41_31c17TV.820	552	686	820 chr11	129601570	<b>129601704</b> +	0.956897
RP41_0084L23.b1.745	61	257	745 chr11	129640772	<b>129640576</b> -	0.930481
CH255_25n24TJ.168	1	105	168 chr12	5753402	5753298 -	1
RP43_117p9TJ.685	1	264	685 chr12	8259596	8259333 -	0.982222
RP43_0171M16.b1.714	48	311	714 chr12	8671341	8671078 -	0.991525
CH255_265i22TV.507	6	114	507 chr12	9536432	9536540 +	1
CH255_134e3TJ.726	411	625	726 chr12	13371269	13371483 +	1
CH255_223l24TV.829	2	598	829 chr12	13391292	13391888 +	0.98579
CH255_271k22TJ.633	2	92	633 chr12	13414475	<b>13414565</b> +	0.985294
CH255_223l24TJ.859	128	399	859 chr12	13578365	<b>13578094</b> -	0.988189
CH255_134e3TV.793	1	435	793 chr12	13617000	13616566 -	0.997579
CH255_271k22TV.604	327	450	604 chr12	13621177	13621054 -	0.99115
RP43_0092J08.b1.738	49	274	738 chr12	14743936	<b>14744161</b> +	0.995283
RP43_0092J08.g1.640	5	315	640 chr12	14891692	<b>14891382</b> -	0.996564
RP43_0084K05.g1.642	55	512	642 chr12	14931749	14931292 -	0.989189
RP43_0064A24.g1.631	140	287	631 chr12	20595772	20595625 -	1
RP41_0065L01.g1.714	100	329	714 chr12	23266353	<b>23266582</b> +	0.960352
RP41_0065L01.b1.764	191	587	764 chr12	23444356	<b>23443960</b> -	0.973154
RP41_0072L10.b1.722	46	115	722 chr12	29438345	29438276 -	1
CH255_265i22TJ.617	1	250	617 chr12	31018232	31018481 +	0.974138
CH255_218m11TV.362	117	362	362 chr12	31018823	31019068 +	0.981013
CH255_211d13TJ.425	6	185	425 chr12	31202306	31202485 +	1
CH255_TV.220	6	153	220 chr12	31202338	<b>31202485</b> +	1
CH255_218m11TJ.738	53	151	738 chr12	31252824	<b>31252726</b> -	0.989899
CH255_TJ.398	6	133	398 chr12	31394475	31394348 -	0.97479
RP43_0088A08.g1.634	235	518	634 chr12	31735776	31736059 +	1
RP43_0002J22.g1.634	41	272	634 chr12	31775357	<b>31775588</b> +	0.986607
CH250_21m16TJ.537	379	472	537 chr12	31793783	<b>31793876</b> +	0.945055
RP43_0088A08.b1.682	175	442	682 chr12	31889282	<b>31889015</b> -	0.977477
CH250_92e23TV.880	56	283	880 chr12	31987590	<b>31987363</b> -	0.961905
RP43_127h15TV.632	449	515	632 chr12	32008779	32008845 +	1
RP43_0011E17.g1.648	171	242	648 chr12	32056430	32056501 +	0.986111
RP43_127h15TJ.629	56	269	629 chr12	32161301	32161088 -	0.984211
RP43_0011E17.b1.726	39	634	726 chr12	32205862	32205267 -	0.995485
RP41_0060B06.b1.743	397	499	743 chr12	34202192	34202294 +	1
CH255_106m4TJ.535	250	535	535 chr12	34262656	34262941 +	0.972028
CH255_107e12TJ.562	206	562	562 chr12	34262656	34263012 +	0.977011
CH255_26k20TV.338	4	113	338 chr12	34291908	34292017 +	0.988372
CH255_266f19TV.434	3	104	434 chr12	34295869	<b>34295970</b> +	1
CH255_114b1TV.672	235	672	672 chr12	34450800	<b>34450363</b> -	0.985836
RP43_0161G01.b1.696	58	221	696 chr12	37692890	37693053 +	1
RP43_125h4TJ.852	17	781	852 chr12	37737657	<b>37738421</b> +	0.988235
RP43_0161G01.g1.632	53	441	632 chr12	37885502	<b>37885114</b> -	0.988539
RP43_125h4TV.871	6	202	871 chr12	37933261	37933065 -	1
RP43_0156N09.b1.720	76	464	720 chr12	40317063	40317451 +	0.986945
RP41_18h11TJ.796	2	261	796 chr12	51522427	<b>51522686</b> +	0.944915
RP41_18h11TV.829	644	770	829 chr12	51689292	<b>51689166</b> -	0.958763
CH250_151m15TJ.319	87	293	319 chr12	53504049	<b>53504255</b> +	0.911765
CH250_151m15TV.569	163	244	569 chr12	53683992	<b>53683911</b> -	1
RP43_136b17TJ.780	230	328	780 chr12	57816324	57816422 +	1
RP43_0168B11.b1.712	524	593	712 chr12	57989536	<b>57989605</b> +	1
RP43_0168B11.g1.617	6	110	617 chr12	58145855	<b>58145751</b> -	0.989362

CH255_28i21TV.407	34	407	407 chr12	64295322	64295695 +	0.996587
CH255_226i21TJ.775	720	775	775 chr12	65957107	65957162 +	1
CH255_140n7TV.799	495	758	799 chr12	66062205	<b>66062468</b> +	0.995851
CH255_226i21TV.819	4	60	819 chr12	66153708	<b>66153652</b> -	1
CH255_140n7TJ.695	109	427	695 chr12	66258679	66258361 -	0.984277
CH250_75n16TJ.546	448	533	546 chr12	69012728	<b>69012813</b> +	0.986842
CH250_75n16TV.891	248	496	891 chr12	69193848	<b>69193600</b> -	0.971888
CH250_68j17TV.790	4	110	790 chr12	69325337	69325231 -	0.978495
RP43_0078O15.b1.674	174	640	674 chr12	70727957	<b>70728423</b> +	0.982699
RP43_0078O15.g1.637	486	597	637 chr12	70906185	<b>70906074</b> -	1
RP43_0046M12.b1.715	62	386	715 chr12	75032735	<b>75033059</b> +	0.996633
RP43_0046M12.g1.628	437	487	628 chr12	75223870	<b>75223820</b> -	1
CH255_266i12TJ.541	30	515	541 chr12	78218096	78218581 +	0.975
CH255_240b24TJ.783	75	783	783 chr12	78223697	78224405 +	0.991453
CH255_128o22TJ.858	20	686	858 chr12	78247785	78248451 +	0.991961
CH255_2h7TJ.190	1	188	190 chr12	78315792	78315979 +	0.983871
CH255_46f4TV.508	232	505	508 chr12	78323387	78323660 +	0.978261
CH255_48f6TJ.391	48	391	391 chr12	78406514	<b>78406857</b> +	0.994118
CH255_266i12TV.429	1	373	429 chr12	78422094	<b>78421722</b> -	0.991031
CH255_240b24TV.614	4	614	614 chr12	78427807	78427197 -	0.988038
CH255_128o22TV.813	1	481	813 chr12	78453458	78452978 -	0.993392
CH255_46f4TJ.741	319	462	741 chr12	78549727	78549584 -	0.992908
CH255_48f6TV.544	193	248	544 chr12	78628930	78628875 -	0.979167
CH255_42n19TV.323	1	63	323 chr12	78685544	78685482 -	1
RP43_103n21TV.469	1	253	469 chr12	84266417	84266669 +	0.995708
RP43_0064I13.b1.653	73	424	653 chr12	84284765	<b>84285116</b> +	0.993399
RP43_103n21TJ.292	45	292	292 chr12	84427923	<b>84427676</b> -	0.990291
RP43_0064I13.g1.623	2	195	623 chr12	84476436	84476243 -	1
RP43_114d9TV.459	233	293	459 chr12	87030761	<b>87030821</b> +	1
RP43_114d9TJ.730	7	277	730 chr12	87207506	<b>87207236</b> -	0.984211
RP43_0092M12.b1.698	89	585	698 chr12	89180911	89181407 +	0.984043
CH250_68h14TV.626	269	355	626 chr12	94191068	<b>94191154</b> +	0.965517
CH250_68h14TJ.863	1	127	863 chr12	94362372	<b>94362246</b> -	0.979381
CH250_50j9TJ.520	229	515	520 chr12	94443727	94443441 -	0.973913
CH250_164j3TV.726	1	262	726 chr12	94491636	94491375 -	0.972603
CH255_127k22TJ.834	256	834	834 chr12	96505645	96506223 +	0.982792
CH255_230m2TJ.835	4	833	835 chr12	96576737	<b>96577566</b> +	0.986919
CH255_230m2TV.844	216	270	844 chr12	96746067	<b>96746013</b> -	1
CH255_127k22TV.628	268	601	628 chr12	96747572	96747239 -	0.995745
RP41_0072K13.g1.702	81	410	702 chr12	103427036	103427365 +	0.961905
CH255_106d12TV.855	422	855	855 chr12	103687689	<b>103688122</b> +	0.984277
CH255_106d12TJ.751	4	276	751 chr12	103919781	<b>103919509</b> -	0.992248
CH255_248e5TJ.806	636	694	806 chr12	126004028	126004086 +	0.945455
RP43_107p14TV.609	511	608	609 chr13	17077370	17077467 +	0.945946
RP43_0048A10.b1.744	403	521	744 chr13	17098478	<b>17098596</b> +	0.985714
RP43_126I13TJ.762	138	762	762 chr13	17233754	<b>17233130</b> -	0.992063
RP43_0152N19.g1.593	53	275	593 chr13	22103337	22103559 +	0.986425
RP43_0032H03.g1.606	212	375	606 chr13	22150087	22150250 +	1
RP43_107i4TJ.573	45	266	573 chr13	22181268	<b>22181489</b> +	0.986301
RP43_0152N19.b1.686	75	130	686 chr13	22286237	<b>22286182</b> -	0.981481
RP43_107i4TV.566	13	86	566 chr13	22349485	22349412 -	0.969697
RP43_0032H03.b1.701	388	467	701 chr13	22354137	22354058 -	1

RP41_24k19TV.846	694	789	846 chr13	23051303	23051208 -	0.983333
RP41_20I3TV.247	4	166	247 chr13	23051582	23051420 -	0.954545
RP41_20I19TV.806	116	212	806 chr13	23051826	23051730 -	1
RP43_126n22TJ.355	121	270	355 chr13	25831700	25831849 +	0.94
RP43_129j10TJ.326	138	287	326 chr13	25831700	25831849 +	0.916031
RP43_0147E05.g1.529	93	225	529 chr13	25831717	25831849 +	0.934426
RP43_101p2TV.160	6	125	160 chr13	25831732	25831851 +	0.93617
CH250_83i3TV.809	235	323	809 chr13	29470100	29470012 -	0.966292
CH250_147I22TJ.849	293	656	849 chr13	37175697	37176060 +	0.963788
CH250_3g18TJ.854	302	665	854 chr13	37175697	37176060 +	0.963889
CH255_7d21TJ.103	6	103	103 chr13	37223746	37223649 -	0.976744
CH250_160a2TV.741	124	195	741 chr13	37230733	37230804 +	0.957143
CH250_24e14TV.669	324	669	669 chr13	37253445	37253790 +	0.971429
CH250_24c18TV.738	331	734	738 chr13	37253445	37253848 +	0.971519
CH250_75h1TJ.838	371	816	838 chr13	37253445	37253890 +	0.957711
CH250_57m15TJ.634	510	570	634 chr13	37283230	37283290 +	1
CH250_147I22TV.897	602	668	897 chr13	37394975	37394909 -	1
CH250_160a2TJ.717	504	717	717 chr13	37417461	37417248 -	0.978022
CH255_217b23TV.563	4	265	563 chr13	39558571	39558310 -	0.987013
CH255_12n9TJ.227	18	134	227 chr13	46743807	46743923 +	1
CH255_115h12TV.685	13	304	685 chr13	46867839	46868130 +	0.996516
CH255_37k1TV.168	43	98	168 chr13	46964895	46964950 +	1
CH255_115h12TJ.609	526	609	609 chr13	47081425	47081342 -	1
CH255_144n9TJ.465	189	281	465 chr13	47098174	47098082 -	0.98
CH255_12k21TJ.228	1	67	228 chr13	47210757	47210691 -	1
CH255_37k1TJ.730	5	564	730 chr13	47214610	47214051 -	0.982906
CH250_159o1TJ.865	46	286	865 chr13	50371438	50371678 +	0.964758
RP43_0068H15.g1.643	387	497	643 chr13	50386979	50387089 +	1
CH250_159o1TV.871	40	503	871 chr13	50520801	50520338 -	0.965278
RP41_30b9TJ.800	615	686	800 chr13	58809080	58809151 +	0.972222
RP41_0052J10.g1.702	99	626	702 chr13	58897734	58898261 +	0.957295
RP41_0052J10.b1.797	220	273	797 chr13	59081555	59081502 -	0.962963
RP41_8g22TV.884	26	748	884 chr13	60897059	60897781 +	0.925
RP41_0079L23.g1.691	306	405	691 chr13	61515146	61515245 +	0.972222
RP41_0051O18.g1.726	502	555	726 chr13	61570391	61570338 -	1
RP41_0079L23.b1.725	274	550	725 chr13	61662469	61662193 -	0.937008
RP41_0075I08.g1.745	302	512	745 chr13	75735800	75736010 +	0.949153
RP41_0075I08.b1.734	175	280	734 chr13	75890954	75890849 -	0.933962
CH255_127i6TJ.829	1	815	829 chr13	78899285	78900099 +	0.988281
CH255_217b22TV.822	454	822	822 chr13	79162572	79162204 -	0.994595
CH255_234k20TV.550	320	550	550 chr13	79241459	79241229 -	1
RP41_8p20TJ.835	546	639	835 chr13	86427597	86427690 +	0.978261
RP41_0165D12.g1.722	268	322	722 chr13	87813254	87813308 +	0.963636
RP41_0165D12.b1.744	187	523	744 chr13	87961051	87960715 -	0.925926
RP41_8p20TV.864	744	837	864 chr13	90551635	90551728 +	0.926829
RP41_0095M03.g1.708	160	262	708 chr13	91126248	91126146 -	0.961165
CH250_172c10TJ.846	1	234	846 chr13	95686016	95686249 +	0.975369
RP41_0050D04.g1.751	257	530	751 chr13	95732167	95732440 +	0.945312
RP41_0068D04.b1.774	512	637	774 chr13	95754130	95754255 +	1
CH250_23a7TJ.466	312	466	466 chr13	95821229	95821075 -	1
CH250_172c10TV.888	712	786	888 chr13	95843921	95843847 -	0.971831
RP41_0050D04.b1.776	64	117	776 chr13	95888828	95888775 -	0.954545



RP41_0068D04.g1.688	103	203	688	chr13	95923724	95923624	-	0.976471
RP41_0072B21.b1.745	339	591	745	chr14	18937590	18937842	+	0.95302
RP43_0161K06.g1.620	3	432	620	chr14	18946695	18947124	+	0.977143
RP41_10g5TJ.750	396	750	750	chr14	19098959	19099313	+	0.948718
RP41_0072B21.g1.699	102	194	699	chr14	19110956	19110864	-	0.964706
RP43_0161K06.b1.717	67	578	717	chr14	19116461	19115950	-	0.985037
CH255_138p14TV.701	244	588	701	chr14	19141023	19141367	+	0.978873
CH250_23o20TV.689	426	688	689	chr14	19199998	19199736	-	0.937888
RP41_10g5TV.821	345	428	821	chr14	19229243	19229160	-	0.952381
CH255_138p14TJ.811	196	255	811	chr14	19318404	19318345	-	1
RP41_42o1TJ.824	305	389	824	chr14	22817437	22817521	+	0.951807
RP41_0083J15.g1.727	184	530	727	chr14	22836586	22836932	+	0.969466
RP41_0083J15.b1.739	113	197	739	chr14	23070298	23070214	-	0.976471
RP41_0159G06.b1.770	65	136	770	chr14	32757627	32757698	+	0.951613
RP41_0159C06.b1.805	537	641	805	chr14	32758104	32758208	+	1
RP41_0051N02.g1.725	340	548	725	chr14	33069025	33068817	-	0.977401
CH250_65b3TV.821	423	656	821	chr14	39846093	39846326	+	0.931818
CH250_80c22TV.596	197	465	596	chr14	39849955	39850223	+	0.943089
CH250_65b3TJ.848	559	650	848	chr14	40003285	40003194	-	0.973684
CH250_80c22TJ.573	252	573	573	chr14	40022331	40022010	-	0.950226
CH255_24d21TV.664	4	77	664	chr14	41756820	41756893	+	1
CH255_216c9TJ.534	188	311	534	chr14	41793623	41793746	+	1
CH255_28o3TJ.290	239	290	290	chr14	41813542	41813593	+	1
CH255_121a5TV.616	1	155	616	chr14	41872045	41871891	-	0.992593
CH255_216c9TV.453	7	267	453	chr14	41986027	41985767	-	0.97479
CH255_24d21TJ.357	2	181	357	chr14	42007378	42007199	-	0.99359
CH255_250e1TJ.839	730	797	839	chr14	42012961	42012894	-	1
CH255_28o3TV.442	39	149	442	chr14	42020553	42020443	-	0.990991
RP43_0008B11.g1.631	310	445	631	chr14	43532010	43532145	+	0.987952
CH250_24I7TJ.800	525	646	800	chr14	54786663	54786784	+	0.961538
RP43_0161M12.g1.628	133	495	628	chr14	56969202	56969564	+	1
RP43_0170G04.g1.587	323	550	587	chr14	57012160	57012387	+	0.985507
RP43_0161M12.b1.713	280	582	713	chr14	57126230	57125928	-	0.995283
RP43_0170G04.b1.681	409	564	681	chr14	57176116	57175961	-	0.972973
RP41_0085C08.g1.712	52	446	712	chr14	63871429	63871035	-	0.95053
RP41_28b8TJ.442	1	390	442	chr14	63933355	63932966	-	0.877193
RP41_0063L15.b1.764	145	232	764	chr14	85582164	85582077	-	0.943182
CH255_216g5TJ.725	498	725	725	chr14	86279907	86280134	+	1
CH255_7d13TJ.211	1	209	211	chr14	86384483	86384275	-	0.989691
CH255_262b17TJ.675	226	675	675	chr14	86478962	86478513	-	0.984326
RP41_0049I20.b1.785	44	322	785	chr14	89865058	89865336	+	0.976
RP41_35p19TJ.825	764	825	825	chr14	89877302	89877363	+	1
RP41_35p19TV.883	524	735	883	chr14	90075946	90075735	-	0.97619
RP41_0054H02.g1.716	333	433	716	chr14	90083718	90083618	-	0.980198
CH250_58I16TJ.855	396	713	855	chr15	35091917	35092234	+	0.968553
CH250_58I16TV.824	1	432	824	chr15	35254829	35254398	-	0.968825
CH255_112j3TJ.761	7	587	761	chr15	41154339	41153759	-	0.989228
RP43_0048A10.g1.662	456	548	662	chr15	44255403	44255311	-	1
RP41_0074C18.g1.690	167	230	690	chr15	45143272	45143335	+	0.949153
RP41_0074M02.g1.719	169	232	719	chr15	45143272	45143335	+	0.953125
RP41_0088G23.g1.752	318	404	752	chr15	45190335	45190421	+	0.980392
RP41_0088G23.b1.749	428	621	749	chr15	45223405	45223212	-	1

RP41_0067H14.g1.699	372	449	699	chr15	45362304	45362227	-	0.96
RP43_0068J13.b1.686	483	602	686	chr15	46316931	<b>46317050</b>	+	1
RP43_0068J13.g1.640	354	498	640	chr15	46495781	<b>46495637</b>	-	1
RP41_0095N07.g1.739	74	467	739	chr15	47616116	<b>47616509</b>	+	0.95203
RP41_0095N07.b1.757	144	361	757	chr15	47776055	<b>47775838</b>	-	0.943925
RP43_122i7TV.662	213	662	662	chr15	47816748	<b>47817197</b>	+	0.98893
RP43_122i7TJ.893	25	865	893	chr15	47926522	<b>47925682</b>	-	0.980597
CH250_43m21TV.734	557	610	734	chr15	53039577	53039630	+	0.967742
CH250_35e23TV.765	147	201	765	chr15	53087021	<b>53087075</b>	+	1
CH250_161h5TJ.854	626	730	854	chr15	53151400	<b>53151296</b>	-	0.961905
CH250_43m21TJ.507	105	459	507	chr15	53207709	53207355	-	0.950739
RP41_0050B19.g1.731	480	544	731	chr15	55282880	<b>55282944</b>	+	1
RP41_0050B19.b1.788	64	433	788	chr15	55447388	<b>55447019</b>	-	0.976959
RP41_0072A21.b1.748	278	361	748	chr15	55508508	55508425	-	0.940476
CH255_126h15TV.603	400	511	603	chr15	66253400	66253289	-	0.977778
RP41_0088L09.g1.753	51	274	753	chr15	69228033	69228256	+	0.948718
RP41_0068A16.b1.737	52	131	737	chr15	69268180	<b>69268259</b>	+	1
RP41_0088L09.b1.675	176	248	675	chr15	69419827	<b>69419755</b>	-	0.958904
RP41_0068A16.g1.723	358	533	723	chr15	69433720	69433545	-	0.96
RP41_0090L21.b1.773	191	323	773	chr15	95694506	<b>95694638</b>	+	0.932331
RP41_0090L21.g1.764	68	471	764	chr15	95842589	<b>95842186</b>	-	0.953488
RP43_0011J24.g1.630	142	265	630	chr16	10314690	10314813	+	1
RP43_0090O17.b1.682	152	212	682	chr16	10625559	10625499	-	1
RP43_0076H05.g1.626	88	460	626	chr16	10720715	10720343	-	0.993485
RP41_0059H10.b1.755	207	327	755	chr16	11775775	<b>11775895</b>	+	1
RP41_0059H10.g1.704	213	510	704	chr16	11929214	<b>11928917</b>	-	0.941176
RP41_43e12TV.807	152	262	807	chr16	16545494	16545604	+	0.972477
RP43_104e11TV.412	128	267	412	chr16	16855638	<b>16855777</b>	+	1
RP43_104e11TJ.730	631	730	730	chr16	17032576	<b>17032477</b>	-	1
RP41_0080K03.g1.734	298	511	734	chr16	18096599	18096812	+	0.973684
RP41_43e12TJ.808	89	182	808	chr16	18111601	<b>18111694</b>	+	0.978495
RP41_0080K03.b1.721	113	200	721	chr16	18263812	<b>18263725</b>	-	0.933333
RP41_0075J05.g1.740	60	336	740	chr16	22837597	22837873	+	0.942529
RP41_0065K08.b1.768	343	543	768	chr16	30447134	<b>30447334</b>	+	0.969231
RP41_0065K08.g1.737	232	380	737	chr16	30619960	<b>30619812</b>	-	0.964286
RP41_36k13TJ.745	66	149	745	chr16	30677905	30677822	-	0.943662
RP43_99b9TV.797	54	108	797	chr16	31559064	31559118	+	1
RP43_0094I07.g1.637	141	554	637	chr16	31583959	<b>31584372</b>	+	0.97037
RP43_99b9TJ.908	4	907	908	chr16	31649387	<b>31648484</b>	-	0.985222
RP43_0165G14.b1.720	78	146	720	chr16	32433021	32432953	-	0.982759
RP43_0148E12.g1.618	56	540	618	chr16	35625482	35624998	-	1
RP41_0085C03.g1.750	62	264	750	chr16	49484271	<b>49484473</b>	+	0.954286
RP41_0085C03.b1.701	394	487	701	chr16	49659441	<b>49659348</b>	-	1
CH255_102g1TJ.703	12	64	703	chr16	52949237	<b>52949289</b>	+	1
CH255_102g1TV.581	3	83	581	chr16	53179276	<b>53179196</b>	-	1
CH250_30k8TV.139	39	98	139	chr16	62433141	62433200	+	0.939394
CH250_42m9TJ.846	76	158	846	chr16	62442138	<b>62442220</b>	+	0.987179
CH250_30k8TJ.462	14	455	462	chr16	62631268	<b>62630827</b>	-	0.893701
RP41_0078D02.g1.716	74	497	716	chr16	63231247	<b>63231670</b>	+	0.94822
RP41_0078D02.b1.723	389	576	723	chr16	63416165	<b>63415978</b>	-	0.955882
RP43_0020J02.g1.644	34	259	644	chr16	77136752	77136977	+	0.981395
RP41_0051L12.g1.689	57	246	689	chr17	21276446	21276257	-	0.961111

CH255_112a3TJ.935	687	875	935	chr17	21496240	21496428	+	0.972477
CH255_30I3TV.489	424	489	489	chr17	21559176	21559241	+	1
CH255_140m7TJ.828	449	534	828	chr17	51172209	51172294	+	1
CH255_131m10TV.500	171	500	500	chr17	56704303	<b>56704632</b>	+	0.990066
CH255_131m10TJ.426	138	410	426	chr17	56881107	<b>56880835</b>	-	0.996241
RP41_0095G10.g1.730	318	418	730	chr17	59652035	<b>59652135</b>	+	0.952381
RP41_0095G10.b1.781	358	475	781	chr17	59852491	<b>59852374</b>	-	0.982456
RP41_46h15TJ.305	235	302	305	chr17	74939896	74939829	-	1
RP41_0051O18.b1.775	136	185	775	chr17_ran	1737734	1737783	+	0.979592
CH255_202d17TJ.652	1	57	652	chr18	1872957	1873013	+	1
CH255_12e19TV.281	179	281	281	chr18	1938393	1938495	+	1
CH255_11k17TJ.422	3	422	422	chr18	4181134	4181553	+	0.991968
RP43_126I13TV.710	4	431	710	chr18	14337889	14337462	-	0.994975
RP43_121h2TJ.771	605	771	771	chr18	14373954	14373788	-	1
RP41_10m12TV.869	7	214	869	chr18	28665361	28665568	+	0.939759
RP43_0151H01.g1.599	7	388	599	chr18	30461128	<b>30461509</b>	+	0.985915
RP43_0151H01.b1.706	263	312	706	chr18	30608641	<b>30608592</b>	-	0.98
RP43_0015D12.g1.628	388	514	628	chr18	31557744	31557870	+	1
RP43_0146E13.g1.622	287	429	622	chr18	31639168	31639310	+	0.984252
RP43_0042H03.b1.747	260	386	747	chr18	31648648	31648774	+	0.976378
CH250_69o23TV.713	600	668	713	chr18	32745365	<b>32745433</b>	+	1
CH250_69o23TJ.884	23	105	884	chr18	32953250	<b>32953168</b>	-	0.983607
CH255_234g7TJ.677	234	677	677	chr18	47159685	<b>47160128</b>	+	0.997268
CH255_34k4TV.719	350	719	719	chr18	47285867	47285498	-	0.971264
CH255_234g7TV.503	212	491	503	chr18	47370071	47369792	-	0.983784
CH255_12i11TV.399	5	399	399	chr18	49704814	<b>49705208</b>	+	0.989529
RP41_0061O18.b1.788	384	559	788	chr18	49789665	<b>49789840</b>	+	0.955357
CH255_12i11TJ.302	32	302	302	chr18	49884393	<b>49884123</b>	-	0.986842
RP41_18k21TJ.852	799	852	852	chr18	49965079	<b>49965026</b>	-	1
RP41_0147G19.g1.745	73	292	745	chr18	52283997	52284216	+	0.971014
RP41_0073O15.g1.706	316	455	706	chr18	52327085	<b>52327224</b>	+	0.931507
RP41_0147G19.b1.771	69	205	771	chr18	52455940	<b>52455804</b>	-	0.916667
RP41_0073O15.b1.753	62	173	753	chr18	52496937	52496826	-	0.962963
RP43_114j3TJ.567	4	231	567	chr18	66059896	<b>66060123</b>	+	0.986425
RP43_114j3TV.282	69	282	282	chr18	66247280	<b>66247067</b>	-	0.994975
RP43_0164H03.b1.706	458	572	706	chr18	67118836	<b>67118950</b>	+	1
RP43_0164H03.g1.608	41	211	608	chr18	67278404	<b>67278234</b>	-	0.992593
CH255_254m13TV.576	322	576	576	chr19	19746410	<b>19746664</b>	+	0.987805
CH255_268o1TV.490	289	365	490	chr19	19937632	<b>19937556</b>	-	1
CH255_254m13TJ.745	1	724	745	chr19	19977943	19977220	-	0.982759
CH255_268o1TJ.609	3	77	609	chr19	20178718	20178644	-	0.972222
CH255_230g7TJ.636	6	636	636	chr19	20180405	20179775	-	0.982111
CH250_24k15TV.773	707	759	773	chr19	20781248	20781300	+	1
CH255_128a9TJ.527	5	61	527	chr19	20924092	20924148	+	1
RP41_42d22TV.885	629	718	885	chr19	21488852	21488941	+	0.955556
RP41_42d22TJ.606	1	371	606	chr19	21612649	21613019	+	0.955357
CH255_130p24TJ.383	75	381	383	chr19	21781410	21781104	-	0.986348
CH255_140m10TV.822	302	379	822	chr19	21842290	21842213	-	0.987179
CH255_234k18TJ.627	524	615	627	chr19	22238876	22238967	+	1
CH255_4i8TV.295	4	295	295	chr19	22832805	<b>22833096</b>	+	1
CH255_32m16TV.439	1	439	439	chr19	23120663	<b>23120225</b>	-	0.991892
CH250_27m2TJ.343	1	133	343	chr19	23206894	23206762	-	0.970874

RP41_0056J07.g1.737	108	168	737	chr19	32796639	32796699	+	0.95082
RP43_98j20TV.877	793	877	877	chr19	32898238	32898322	+	0.979592
RP43_0070G08.b1.657	111	367	657	chr19	32962045	<b>32962301</b>	+	0.987013
RP43_98j20TJ.730	3	356	730	chr19	33035374	<b>33035021</b>	-	0.987692
RP43_0068B15.g1.616	46	512	616	chr19	33095658	33095192	-	0.991501
RP43_0167O05.g1.610	12	487	610	chr19	33095694	33095219	-	0.990074
RP43_0070G08.g1.645	4	160	645	chr19	33135712	33135556	-	0.990909
CH250_53p2TV.755	129	364	755	chr19	38194135	<b>38194370</b>	+	0.965957
CH250_53p2TJ.844	710	832	844	chr19	38360707	<b>38360585</b>	-	0.964286
RP43_0076L03.b1.634	102	333	634	chr19	42572297	42572528	+	1
RP43_126o24TV.290	1	113	290	chr19	42572533	<b>42572645</b>	+	1
RP43_126o24TJ.743	330	743	743	chr19	42747304	<b>42746891</b>	-	0.992248
RP43_102k22TJ.772	64	772	772	chr19	42795509	42794801	-	1
RP43_123i17TJ.650	588	650	650	chr19	47964525	47964463	-	1
RP43_123i17TV.762	649	762	762	chr19	48203850	48203963	+	0.983607
RP43_0040N21.g1.616	42	449	616	chr19	48602357	<b>48602764</b>	+	0.975684
RP43_0004B20.b1.682	119	453	682	chr19	48728922	<b>48728588</b>	-	0.987069
RP43_0040N21.b1.701	42	544	701	chr19	48782761	48782259	-	0.995169
CH250_148j3TV.691	75	310	691	chr2	4209530	<b>4209765</b>	+	0.946429
RP41_0161O24.g1.688	52	130	688	chr2	4247027	<b>4247105</b>	+	0.945946
CH250_148j3TJ.728	11	243	728	chr2	4367524	<b>4367292</b>	-	0.982456
RP41_0053H13.g1.693	58	550	693	chr2	4378320	<b>4377828</b>	-	0.954407
CH255_206b7TV.557	47	557	557	chr2	18355218	<b>18355728</b>	+	0.974886
CH255_206b7TJ.753	136	188	753	chr2	18532974	<b>18532922</b>	-	1
RP43_129i3TV.602	1	99	602	chr2	20673540	<b>20673638</b>	+	1
RP43_129i3TJ.615	14	613	615	chr2	20821915	<b>20821316</b>	-	0.985891
RP43_0153D12.b1.702	63	352	702	chr2	28708309	<b>28708598</b>	+	0.992754
RP43_0153D12.g1.616	302	509	616	chr2	28900464	<b>28900257</b>	-	0.984615
CH250_23m17TJ.506	245	328	506	chr2	30762936	30763019	+	0.910714
CH250_5a4TJ.359	255	338	359	chr2	30762936	30763019	+	0.927536
CH250_166h20TJ.650	1	123	650	chr2	30804793	30804915	+	0.9125
CH250_33m22TV.405	286	368	405	chr2	30840988	<b>30841070</b>	+	1
CH250_33m22TJ.847	434	631	847	chr2	30992601	<b>30992404</b>	-	0.93299
CH250_166h20TV.792	218	291	792	chr2	31001600	31001527	-	0.958904
RP43_0043D10.b1.726	377	427	726	chr2	31490824	31490874	+	1
RP43_0157F05.b1.701	188	626	701	chr2	33796948	33797386	+	0.983553
RP41_0078M08.b1.665	378	428	665	chr2	47653364	47653314	-	1
RP43_0034M03.b1.684	69	351	684	chr2	53259821	<b>53260103</b>	+	0.985663
RP43_0034M03.g1.622	2	386	622	chr2	53387427	<b>53387043</b>	-	0.997167
RP41_6d15TV.848	332	460	848	chr2	55233256	<b>55233384</b>	+	0.953488
RP41_0085G22.g1.734	54	175	734	chr2	55435713	<b>55435592</b>	-	0.9
CH250_93j17TV.895	365	529	895	chr2	62483372	62483536	+	0.939394
CH250_35m9TJ.555	164	263	555	chr2	62517355	62517454	+	0.895833
CH250_57n22TV.694	465	575	694	chr2	62529197	<b>62529307</b>	+	0.963636
CH250_37n10TJ.334	188	323	334	chr2	62626297	<b>62626162</b>	-	0.980392
CH250_93j17TJ.814	201	329	814	chr2	62626297	62626169	-	0.976744
CH250_35m9TV.778	692	778	778	chr2	62662944	62662858	-	1
CH250_145b11TJ.828	1	61	828	chr2	62694440	62694380	-	1
CH255_258n23TV.815	766	815	815	chr2	63205844	63205893	+	1
CH255_138m5TJ.722	613	722	722	chr2	63245934	63246043	+	1
CH255_128i9TV.820	636	724	820	chr2	63363182	<b>63363270</b>	+	1
CH255_258n23TJ.823	605	727	823	chr2	63408900	<b>63408778</b>	-	0.991736

CH255_138m5TV.592	1	133	592 chr2	63492552	63492420 -	0.990099
CH255_128i9TJ.822	83	253	822 chr2	63586154	63585984 -	0.987578
RP43_0025E22.g1.623	389	464	623 chr2	65443300	<b>65443375</b> +	1
RP43_0170D21.g1.617	52	477	617 chr2	65559212	<b>65558787</b> -	0.985755
RP43_0025E22.b1.712	166	640	712 chr2	65576087	65575613 -	0.996979
CH255_26c21TV.438	7	99	438 chr2	67099826	67099918 +	1
CH255_204c16TJ.740	518	740	740 chr2	67114091	67114313 +	0.990476
CH255_233l21TJ.781	34	222	781 chr2	67218835	<b>67219023</b> +	0.988024
CH255_200b16TV.718	649	718	718 chr2	67307201	<b>67307132</b> -	1
CH255_233l21TV.208	6	203	208 chr2	67330161	67329964 -	0.967742
CH255_204c16TV.799	1	93	799 chr2	67337566	67337474 -	1
RP43_0094A01.g1.629	267	459	629 chr2	70494809	70495001 +	1
RP43_101i7TV.581	301	413	581 chr2	70550884	70550996 +	1
RP43_0034K03.b1.713	60	363	713 chr2	70617671	<b>70617974</b> +	0.989474
RP43_0094A01.b1.707	486	590	707 chr2	70676489	<b>70676385</b> -	1
RP43_101i7TJ.717	328	492	717 chr2	70685496	70685332 -	1
RP43_0034K03.g1.626	43	469	626 chr2	70798367	70797941 -	0.993976
RP41_0093J11.b1.756	239	475	756 chr2	70834595	<b>70834831</b> +	0.95
RP41_0093J11.g1.731	43	310	731 chr2	70883947	<b>70883680</b> -	0.960474
CH255_46f24TV.556	342	556	556 chr2	71176157	71176371 +	0.967213
CH255_46f24TJ.678	4	678	678 chr2	71404767	71404093 -	0.994129
RP41_0161L17.b1.734	176	528	734 chr2	78022075	78022427 +	0.951768
RP41_0079A12.g1.759	67	311	759 chr2	79220254	<b>79220498</b> +	0.952174
RP41_44n2TJ.826	589	782	826 chr2	79442437	<b>79442244</b> -	0.954802
RP41_0054P08.b1.771	61	377	771 chr2	79506585	79506269 -	0.974603
RP43_0002C21.g1.651	37	501	651 chr2	83418088	<b>83418552</b> +	0.985423
RP43_0002C21.b1.708	72	595	708 chr2	83580715	<b>83580192</b> -	0.989583
RP43_107c1TV.686	634	686	686 chr2	87463429	87463481 +	1
RP41_35f19TV.862	295	383	862 chr2	95118841	95118929 +	0.966292
RP41_37d4TV.903	552	612	903 chr2	100814565	100814625 +	1
RP43_107c1TJ.576	43	576	576 chr2	112282928	112283461 +	0.991489
CH250_150n19TJ.809	258	496	809 chr2	116963756	<b>116963994</b> +	0.896104
CH250_150n19TV.603	1	101	603 chr2	117148102	<b>117148002</b> -	0.984375
CH255_124g9TV.538	2	66	538 chr2	129358954	129359018 +	1
CH255_265d6TV.615	1	519	615 chr2	129399256	129399774 +	0.964953
CH255_250l4TJ.265	3	265	265 chr2	129458416	129458678 +	0.990826
CH255_126a6TJ.845	32	147	845 chr2	129473881	<b>129473996</b> +	0.978495
CH255_265d6TJ.624	423	624	624 chr2	129590362	<b>129590161</b> -	1
CH255_250l4TV.390	3	388	390 chr2	129673610	129673225 -	0.980769
CH255_126a6TV.785	481	696	785 chr2	129689866	129689651 -	0.985612
RP43_98a16TJ.210	55	172	210 chr2	133247673	133247790 +	1
CH250_77g4TV.737	444	505	737 chr2	140972595	140972656 +	1
CH250_165n13TJ.830	111	160	830 chr2	140975400	<b>140975449</b> +	1
CH250_165n13TV.891	516	604	891 chr2	141111378	<b>141111290</b> -	0.988764
CH250_162f21TJ.846	563	677	846 chr2	142146083	142146197 +	0.964912
CH250_147d12TV.877	797	877	877 chr2	142167568	142167648 +	0.911765
CH250_9j16TJ.742	545	634	742 chr2	142195969	142196058 +	0.984375
CH250_12d8TJ.810	545	682	810 chr2	142195969	<b>142196106</b> +	0.983871
RP43_0151J13.b1.721	32	317	721 chr2	142199448	<b>142199733</b> +	0.981413
CH250_86e17TJ.850	452	556	850 chr2	142337324	<b>142337220</b> -	1
CH250_63j16TJ.736	51	143	736 chr2	142348857	142348765 -	0.964706
CH250_9j16TV.534	3	95	534 chr2	142348857	142348765 -	0.953846



RP43_0070B15.g1.633	13	521	633 chr2	142355976	<b>142355468</b>	-	0.975962
CH250_172e2TJ.844	142	275	844 chr2	143601590	143601723	+	0.984496
CH250_92j13TJ.838	95	160	838 chr2	143662193	<b>143662258</b>	+	0.983871
RP43_114h16TJ.777	55	777	777 chr2	143684971	143685693	+	0.996593
CH250_172e2TV.874	113	190	874 chr2	143762549	<b>143762472</b>	-	1
CH250_92j13TV.809	431	513	809 chr2	143811041	143810959	-	0.948052
RP43_114h16TV.760	1	61	760 chr2	143880427	143880367	-	0.975
RP43_0028D10.g1.623	4	460	623 chr2	155766265	155766721	+	0.98977
RP43_104f13TV.892	13	427	892 chr2	155831042	155831456	+	0.994505
RP43_126o23TV.877	1	414	877 chr2	155831043	155831456	+	0.991935
RP43_104h21TV.533	5	333	533 chr2	155831128	<b>155831456</b>	+	0.996689
RP43_104h21TJ.834	54	222	834 chr2	155953467	<b>155953299</b>	-	0.993421
RP43_104f13TJ.910	5	223	910 chr2	155953517	155953299	-	0.994624
CH250_58d2TV.778	117	341	778 chr2	157252907	157253131	+	0.941964
CH255_34I22TV.785	6	708	785 chr2	158998386	158997684	-	0.987013
RP41_43e14TV.872	590	746	872 chr2	162135396	<b>162135552</b>	+	0.986928
RP41_43e14TJ.636	496	612	636 chr2	162300375	<b>162300259</b>	-	0.974359
CH255_113g20TJ.552	6	552	552 chr2	163557697	<b>163558243</b>	+	0.990741
CH255_113g20TV.764	257	764	764 chr2	163770904	<b>163770397</b>	-	0.986413
RP41_0092A05.g1.693	266	461	693 chr2	167445212	167445017	-	0.9125
RP43_0086H24.g1.568	4	297	568 chr2	182090556	<b>182090849</b>	+	0.991071
RP43_0086H24.b1.660	73	576	660 chr2	182268421	<b>182267918</b>	-	0.992063
CH255_230i15TJ.476	128	190	476 chr2	188680547	188680609	+	1
CH255_241k9TV.536	55	252	536 chr2	188691649	188691846	+	0.994318
CH255_37o13TJ.477	96	200	477 chr2	188692607	188692711	+	1
CH255_38j19TJ.921	664	921	921 chr2	188756059	<b>188756316</b>	+	1
CH255_230i15TV.261	2	235	261 chr2	188894614	<b>188894381</b>	-	0.992481
CH255_37o13TV.538	4	146	538 chr2	188932530	188932388	-	1
CH255_38j19TV.357	4	63	357 chr2	188942305	188942246	-	0.980769
CH255_31p19TJ.119	55	119	119 chr2	194378436	194378500	+	1
CH255_240d2TV.754	376	454	754 chr2	194495309	194495387	+	1
CH255_242a20TV.764	5	160	764 chr2	200338533	200338378	-	1
RP43_0052B04.g1.666	5	580	666 chr2	209388653	209388078	-	0.994536
RP43_0017G20.b1.731	78	589	731 chr2	209388663	209388152	-	0.995098
RP43_107p6TJ.883	68	883	883 chr2	211271103	<b>211271918</b>	+	0.995816
RP43_107p6TV.667	46	667	667 chr2	211453092	<b>211452471</b>	-	0.985663
CH255_264I9TJ.261	2	261	261 chr2	214486152	214486411	+	0.987013
CH255_235j12TV.582	393	581	582 chr2	214495836	214496024	+	0.979798
CH255_130a11TJ.800	520	588	800 chr2	214504465	<b>214504533</b>	+	1
CH250_89m17TJ.850	455	748	850 chr2	214618761	214618468	-	0.963504
CH255_264I9TV.844	725	819	844 chr2	214677141	<b>214677047</b>	-	1
CH255_130a11TV.577	2	334	577 chr2	214760434	214760102	-	0.993289
RP43_132e3TJ.797	452	797	797 chr2	215774885	215775230	+	1
RP43_0019M14.g1.634	6	212	634 chr2	215826187	<b>215826393</b>	+	0.98995
RP43_132e3TV.789	375	789	789 chr2	215954325	<b>215953911</b>	-	0.995169
RP43_0019M14.b1.705	77	522	705 chr2	216015813	216015368	-	0.993266
CH255_197a16TJ.612	1	612	612 chr2	217187048	217187659	+	0.987654
RP41_0058L04.b1.732	31	136	732 chr2	232323423	232323318	-	0.978261
RP41_0167B03.b1.740	301	424	740 chr2	234433376	<b>234433499</b>	+	0.960526
RP41_0052O01.g1.698	417	488	698 chr2	234547177	<b>234547106</b>	-	1
RP41_0081F24.b1.766	418	494	766 chr2	234615221	234615145	-	0.971429
RP41_0167B03.g1.705	377	483	705 chr2	234615523	234615417	-	1

RP41_0155I17.b1.795	263	354	795 chr2	239262590	239262499 -	0.967391
RP43_0005M23.g1.634	43	359	634 chr20	5825841	<b>5826157</b> +	0.990536
RP43_0005M23.b1.691	36	287	691 chr20	6012147	<b>6011896</b> -	0.986784
CH250_7a3TJ.657	1	69	657 chr20	8343321	8343389 +	0.981818
CH250_164i18TV.888	631	771	888 chr20	8405727	<b>8405867</b> +	0.976562
CH250_7a3TV.376	47	325	376 chr20	8522426	<b>8522148</b> -	0.917603
CH250_164i18TJ.867	6	675	867 chr20	8584501	8583832 -	0.96124
CH255_130p24TV.417	101	157	417 chr20	30759046	30758990 -	1
CH255_270g5TV.283	1	216	283 chr20	33257385	33257600 +	0.988701
RP43_127k10TJ.423	1	423	423 chr20	33307731	33308153 +	0.996785
CH255_140a21TJ.827	373	430	827 chr20	33340504	<b>33340561</b> +	1
RP43_0092G08.g1.613	3	485	613 chr20	33341457	33341939 +	1
CH255_270g5TJ.245	159	245	245 chr20	33481423	<b>33481337</b> -	1
CH255_140a21TV.799	232	799	799 chr20	33493876	33493309 -	0.991131
RP43_0019B06.b1.650	100	351	650 chr20	35194944	<b>35195195</b> +	0.985507
RP43_0019B06.g1.642	1	95	642 chr20	35349366	<b>35349272</b> -	1
RP41_0072B10.g1.708	95	569	708 chr20	44129922	<b>44130396</b> +	0.949405
RP41_0072B10.b1.715	72	160	715 chr20	44331571	<b>44331483</b> -	0.988372
CH250_175o11TV.874	38	825	874 chr21	10043346	10042559 -	0.957447
CH250_53a14TJ.859	681	788	859 chr21	13694562	13694455 -	0.97
RP43_104I13TJ.503	286	490	503 chr21	14163082	14162878 -	0.970297
RP43_107f14TV.653	549	652	653 chr21	14266889	14266786 -	1
RP43_119e10TJ.443	50	142	443 chr21	14294315	14294223 -	0.916667
CH255_114e13TV.678	541	612	678 chr21	14398067	14398138 +	0.982143
CH255_119e17TV.776	568	629	776 chr21	14728869	14728930 +	0.981818
CH255_223j11TJ.646	560	646	646 chr21	14753089	14753175 +	1
CH255_126I9TJ.838	564	815	838 chr21	14796449	<b>14796700</b> +	1
CH255_119e17TJ.716	4	714	716 chr21	14912801	<b>14912091</b> -	0.987868
CH255_236o1TJ.822	771	822	822 chr21	14936834	14936783 -	1
CH255_223j11TV.816	5	816	816 chr21	14950051	14949240 -	0.987382
CH255_126I9TV.784	5	403	784 chr21	15022168	15021770 -	0.98939
CH250_162b3TJ.777	172	643	777 chr21	15639458	<b>15639929</b> +	0.942308
CH250_162b3TV.855	237	855	855 chr21	15802932	<b>15802314</b> -	0.936535
CH255_102d21TJ.825	4	57	825 chr21	23393882	23393935 +	1
CH255_102d21TV.901	1	901	901 chr21	23620677	23619777 -	0.983226
RP43_0084L24.b1.698	139	206	698 chr21	26150015	26149948 -	1
RP41_0072P21.b1.761	69	368	761 chr21	26500879	<b>26501178</b> +	0.951049
RP41_0072P21.g1.726	392	487	726 chr21	26717222	<b>26717127</b> -	0.951613
CH255_256f22TV.836	7	449	836 chr21	27389208	<b>27389650</b> +	0.985258
CH255_235h7TJ.306	228	295	306 chr21	27528589	<b>27528522</b> -	0.967742
CH255_4b20TJ.206	7	114	206 chr21	27582842	27582735 -	0.984848
CH255_256f22TJ.841	588	841	841 chr21	27584866	27584613 -	0.990783
CH255_266f13TJ.771	1	761	771 chr21	27586673	27585913 -	0.989164
CH255_100g8TV.225	5	102	225 chr21	35445505	35445602 +	1
CH255_223m20TV.624	190	624	624 chr21	35622261	35622695 +	0.989362
CH255_223m20TJ.628	460	628	628 chr21	35848198	35848030 -	1
RP43_116e9TV.741	642	711	741 chr21	36180734	36180665 -	1
CH250_24i18TJ.751	45	192	751 chr22	14684818	14684671 -	0.954198
RP43_0173I23.b1.696	424	633	696 chr22	15714746	15714537 -	0.984848
RP41_12e9TJ.732	2	106	732 chr22	15768694	15768590 -	0.946667
RP41_0051M03.b1.769	76	513	769 chr22	29055078	29055515 +	0.970027
RP41_0167D14.b1.759	70	560	759 chr22	29118350	29118840 +	0.969492

RP41_0149P02.b1.763	43	273	763 chr22	29220775	<b>29221005</b> +	0.926108
RP41_0167D14.g1.738	307	484	738 chr22	29312015	<b>29311838</b> -	0.967391
RP41_20g16TV.845	4	82	845 chr3	6494798	6494720 -	1
CH250_27g9TJ.502	355	409	502 chr3	9543268	9543322 +	1
RP41_22f21TJ.484	3	131	484 chr3	12891296	12891168 -	0.962963
RP43_0054I17.b1.727	81	585	727 chr3	13413391	<b>13413895</b> +	0.992386
RP43_0054I17.g1.626	316	569	626 chr3	13581979	<b>13581726</b> -	1
RP43_127c4TV.766	464	766	766 chr3	19460731	<b>19461033</b> +	0.994253
RP43_127c4TJ.862	3	862	862 chr3	19603992	<b>19603133</b> -	0.991525
RP43_0080I06.g1.653	4	574	653 chr3	19659345	19658775 -	0.982843
RP43_133h13TV.245	1	242	245 chr3	39284395	<b>39284636</b> +	1
RP43_133h13TJ.746	647	700	746 chr3	39452344	<b>39452291</b> -	1
RP41_0068C09.g1.690	57	146	690 chr3	51535003	51535092 +	1
RP41_0075M07.b1.686	52	186	686 chr3	51858504	51858370 -	0.980583
CH255_222k23TJ.812	48	175	812 chr3	58769898	<b>58770025</b> +	1
CH255_222k23TV.852	3	392	852 chr3	58971338	<b>58970949</b> -	0.994269
RP41_0078M07.g1.749	321	485	749 chr3	66464319	<b>66464483</b> +	0.979381
RP41_0078M07.b1.659	1	384	659 chr3	66644875	<b>66644492</b> -	0.928205
CH255_246p15TJ.849	168	846	849 chr3	74029427	74030105 +	0.98
CH255_143I23TJ.853	62	853	853 chr3	74041330	74042121 +	0.986684
CH255_206k3TV.676	588	676	676 chr3	74059181	74059269 +	1
CH255_214f22TJ.534	168	534	534 chr3	74068726	<b>74069092</b> +	0.985019
CH255_246p15TV.640	292	640	640 chr3	74214996	<b>74214648</b> -	0.986928
CH255_143I23TV.809	1	808	809 chr3	74230704	74229897 -	0.987887
CH255_206k3TJ.749	20	749	749 chr3	74237089	74236360 -	0.98928
CH255_214f22TV.417	353	417	417 chr3	74302426	74302362 -	1
CH255_112e2TV.570	2	570	570 chr3	75171690	75172258 +	0.983516
RP43_103d7TV.593	291	391	593 chr3	75362065	75361965 -	0.989899
CH255_198p6TV.476	160	233	476 chr3	75400670	75400743 +	1
RP43_0019L04.b1.722	28	193	722 chr3	87680192	87680357 +	0.978571
RP43_0164D05.b1.729	77	243	729 chr3	87694765	<b>87694931</b> +	0.981818
RP43_0019L04.g1.660	259	478	660 chr3	87858753	<b>87858534</b> -	0.987654
RP43_0164D05.g1.628	5	268	628 chr3	87865193	87864930 -	0.988281
RP43_109d22TV.648	6	648	648 chr3	88065318	88065960 +	0.991753
RP43_0014E15.b1.710	59	519	710 chr3	88115666	<b>88116126</b> +	0.992683
RP43_0157E06.g1.615	52	526	615 chr3	88227512	<b>88227038</b> -	0.98645
RP43_0014E15.g1.635	451	511	635 chr3	88276756	88276696 -	1
RP43_0012H11.g1.647	1	493	647 chr3	95338659	<b>95339151</b> +	0.995157
RP43_0012H11.b1.700	373	545	700 chr3	95522895	<b>95522723</b> -	0.983471
CH255_268j11TV.815	637	741	815 chr3	96167351	96167455 +	0.984615
CH250_158j15TJ.860	123	297	860 chr3	104195145	104195319 +	0.940828
RP41_6f20TJ.786	512	785	786 chr3	104287292	104287019 -	0.955975
CH255_37a8TV.614	22	200	614 chr3	107868411	107868589 +	0.987879
CH255_134I15TV.152	1	152	152 chr3	107891268	107891419 +	1
CH255_265c11TJ.569	1	197	569 chr3	107934782	107934978 +	0.989848
CH255_223i5TJ.739	450	513	739 chr3	108004055	108004118 +	1
CH255_16m13TJ.276	217	276	276 chr3	108027333	108027392 +	1
CH255_222m6TJ.696	543	694	696 chr3	108072497	<b>108072648</b> +	0.981481
CH255_37a8TJ.648	3	648	648 chr3	108092019	<b>108091374</b> -	0.988571
CH255_115m16TJ.786	111	210	786 chr3	108124764	108124665 -	0.99
CH255_134I15TJ.770	1	58	770 chr3	108149396	108149339 -	1
CH255_229n7TV.804	332	804	804 chr3	108166656	108166184 -	0.982609

CH255_265c11TV.555	149	555	555 chr3	108169557	108169151 -	0.985119
CH255_223i5TV.860	1	692	860 chr3	108223257	108222566 -	0.986641
CH255_16m13TV.277	8	276	277 chr3	108270717	108270449 -	0.979021
CH255_134p19TV.513	1	493	513 chr3	108276099	108275607 -	0.984556
CH255_222m6TV.694	1	694	694 chr3	108276101	108275408 -	0.984155
CH255_259h24TV.753	25	138	753 chr3	121474571	121474684 +	1
CH255_40e7TV.268	100	268	268 chr3	121552299	<b>121552467</b> +	0.992806
CH255_222b1TV.715	261	347	715 chr3	121672801	<b>121672715</b> -	0.988506
CH255_259h24TJ.837	725	837	837 chr3	121682881	121682769 -	1
CH255_253a6TJ.364	1	173	364 chr3	121734626	121734454 -	1
CH255_40e7TJ.448	44	178	448 chr3	121767196	121767062 -	0.984
RP43_0030P05.b1.712	74	543	712 chr3	123377660	<b>123378129</b> +	0.992
RP43_0030P05.g1.613	48	164	613 chr3	123413539	<b>123413423</b> -	0.977528
CH250_146n12TJ.835	327	777	835 chr3	130337767	130338217 +	0.967517
CH250_76e22TV.856	340	775	856 chr3	130433762	<b>130434197</b> +	0.955399
CH250_76e22TJ.761	191	555	761 chr3	130587535	<b>130587171</b> -	0.950413
RP43_135e8TV.601	536	601	601 chr3	131033097	131033162 +	1
RP41_0149I04.g1.705	88	141	705 chr3	141286604	141286657 +	0.981481
CH250_159p20TV.823	175	277	823 chr3	145673869	<b>145673971</b> +	0.941748
CH250_159p20TJ.856	628	785	856 chr3	145804401	<b>145804244</b> -	0.965517
CH250_71h12TJ.813	32	199	813 chr3	145959638	145959471 -	0.96732
CH255_16I5TV.214	1	53	214 chr3	147315214	147315162 -	1
RP41_0092E09.b1.758	122	584	758 chr3	147416412	147416874 +	0.946429
CH255_104d1TV.690	40	690	690 chr3	147472868	147472218 -	0.993243
CH255_12I18TV.302	5	302	302 chr3	150060820	<b>150061117</b> +	0.995238
CH255_12I18TJ.246	37	246	246 chr3	150291864	<b>150291655</b> -	0.97561
CH255_234I7TV.610	471	610	610 chr3	150354193	150354054 -	0.987805
CH250_35j16TV.735	1	106	735 chr3	151947609	151947504 -	0.975
CH250_80e20TV.805	88	260	805 chr3	151994280	151994108 -	0.952381
CH255_131p18TV.622	225	448	622 chr3	152362973	152363196 +	0.986301
CH255_131j12TV.611	2	435	611 chr3	152418578	152419011 +	0.992443
CH255_142n2TV.796	4	180	796 chr3	152498466	152498642 +	0.986928
CH255_131j12TJ.176	4	151	176 chr3	152635134	152634987 -	0.978261
CH250_156o15TV.851	27	445	851 chr3	156211009	<b>156211427</b> +	0.974619
CH250_156o15TJ.845	67	131	845 chr3	156353601	<b>156353537</b> -	0.966667
CH250_146d6TJ.865	611	786	865 chr3	156412771	156412596 -	0.927835
CH250_49I14TJ.840	605	801	840 chr3	156476220	156476024 -	0.952381
RP41_0070D05.b1.760	52	130	760 chr3	162404418	162404340 -	0.985075
RP43_0016I06.b1.719	71	349	719 chr3	163668651	163668929 +	0.974545
RP43_101I22TV.831	142	831	831 chr3	163735917	<b>163736606</b> +	0.991379
RP43_0016I06.g1.638	41	434	638 chr3	163848196	<b>163847803</b> -	0.994413
RP43_101I22TJ.916	1	916	916 chr3	163884896	163883981 -	0.993065
RP41_0147H17.g1.737	72	326	737 chr3	164111360	164111614 +	0.963855
RP41_5f12TV.806	108	302	806 chr3	166402164	<b>166402358</b> +	0.941799
RP41_5f12TJ.531	457	528	531 chr3	166573735	<b>166573664</b> -	1
RP41_31k22TJ.861	645	721	861 chr3	166604691	166604615 -	0.935065
RP41_0092B01.b1.774	133	539	774 chr3	167615616	167615210 -	0.94306
RP41_0072O21.b1.734	368	462	734 chr3	171311118	<b>171311212</b> +	0.975904
RP41_0072O21.g1.712	310	548	712 chr3	171487517	<b>171487279</b> -	0.981366
CH250_35i8TV.589	462	589	589 chr3	184329634	<b>184329761</b> +	0.96875
CH250_35i8TJ.784	189	304	784 chr3	184485473	<b>184485358</b> -	0.974138
CH250_171d9TV.861	711	861	861 chr3	184663076	184662926 -	0.969388

RP41_0095D21.g1.741	216	478	741	chr3	194755745	<b>194756007</b>	+	0.954887
RP41_0095D21.b1.760	66	586	760	chr3	194956351	<b>194955831</b>	-	0.978852
CH250_167I16TV.766	135	257	766	chr3	199022450	199022572	+	0.966942
CH255_140m10TJ.852	467	529	852	chr4	357377	357439	+	0.984127
RP41_0149N24.g1.730	45	223	730	chr4	8104509	8104687	+	0.911765
RP43_0168N15.b1.716	395	591	716	chr4	9369950	9369754	-	0.987179
CH255_12j19TV.136	1	136	136	chr4	16640503	16640638	+	1
CH255_142I19TV.182	4	182	182	chr4	16728935	<b>16729113</b>	+	0.992701
CH255_12j19TJ.111	1	111	111	chr4	16902323	<b>16902213</b>	-	0.916667
CH255_142I19TJ.350	9	350	350	chr4	16975297	16974956	-	0.97619
RP43_102o20TV.603	554	603	603	chr4	47261616	<b>47261665</b>	+	1
RP43_0084I05.b1.700	64	518	700	chr4	47347087	<b>47346633</b>	-	0.995169
RP43_102o20TJ.650	4	266	650	chr4	47384409	47384147	-	0.995671
RP43_0005I06.b1.618	108	232	618	chr4	47398889	47398765	-	0.982301
RP43_125g1TV.761	70	277	761	chr4	47547105	47547312	+	0.975962
RP43_0150O18.b1.725	319	553	725	chr4	47586710	47586944	+	0.985294
RP43_134o19TV.825	370	823	825	chr4	47671567	<b>47672020</b>	+	0.994737
RP43_125g1TJ.565	45	565	565	chr4	47706012	<b>47705492</b>	-	0.991404
RP43_0150O18.g1.631	492	552	631	chr4	47711364	47711304	-	1
RP43_0068F21.g1.608	254	454	608	chr4	47755053	47754853	-	1
RP43_134o19TJ.708	1	708	708	chr4	47825736	47825029	-	0.992793
RP41_0082E19.b1.723	107	516	723	chr4	55225856	55226265	+	0.954545
CH250_163p8TV.889	742	822	889	chr4	57464924	57465004	+	0.973333
CH250_45a22TJ.615	1	263	615	chr4	65396667	<b>65396929</b>	+	0.901288
CH250_17h22TJ.868	36	316	868	chr4	65451492	<b>65451212</b>	-	0.946058
CH250_45a22TV.835	304	388	835	chr4	65547959	65547875	-	0.952941
RP41_0055B22.b1.775	247	369	775	chr4	69109781	69109903	+	0.95935
RP41_46n6TJ.839	509	731	839	chr4	69118120	69118342	+	0.957944
RP41_0058L04.g1.738	340	625	738	chr4	69142310	<b>69142595</b>	+	0.958904
RP41_46n6TV.858	686	747	858	chr4	69284846	<b>69284785</b>	-	0.965517
RP41_0063O23.b1.740	92	166	740	chr4	69766811	69766737	-	0.973333
RP43_101f11TJ.684	269	495	684	chr4	72831043	72831269	+	1
RP43_0164L02.g1.606	249	473	606	chr4	72944918	<b>72945142</b>	+	0.98895
RP43_107e14TJ.841	21	196	841	chr4	73097454	<b>73097279</b>	-	0.992593
RP43_0164L02.b1.696	383	520	696	chr4	73109699	73109562	-	1
CH255_102c12TV.944	707	794	944	chr4	89108759	89108846	+	1
CH255_204g22TJ.682	182	278	682	chr4	89142965	89143061	+	1
CH255_144o12TJ.336	4	215	336	chr4	89306643	<b>89306854</b>	+	0.981132
CH255_204g22TV.720	1	321	720	chr4	89327927	<b>89327607</b>	-	0.992481
CH255_22d12TJ.386	325	386	386	chr4	89342222	89342161	-	1
CH255_102c12TJ.429	1	93	429	chr4	89343063	89342971	-	1
CH255_262m24TJ.526	19	107	526	chr4	89392017	89391929	-	0.986111
RP43_0166F19.b1.685	21	134	685	chr4	102607783	102607896	+	1
CH250_83i12TJ.755	452	507	755	chr4	105183806	105183861	+	0.982143
CH250_5f18TJ.674	568	658	674	chr4	105268047	105268137	+	0.95122
CH255_262i13TV.697	513	624	697	chr4	108731530	108731641	+	1
CH255_254p6TV.812	4	78	812	chr4	108803959	108804033	+	1
CH255_254p6TJ.832	741	797	832	chr4	109001444	109001388	-	1
CH255_130a16TJ.613	1	609	613	chr4	114939241	114939849	+	0.979021
CH255_32i15TJ.534	5	77	534	chr4	114963234	<b>114963306</b>	+	1
CH255_130a16TV.363	43	363	363	chr4	115142529	<b>115142209</b>	-	0.985019
CH255_32i15TV.268	5	268	268	chr4	115230041	115229778	-	0.994845



RP41_0072L13.g1.713	73	305	713	chr4	117015531	<b>117015763</b>	+	0.914027
RP41_0072L13.b1.729	370	470	729	chr4	117176081	<b>117175981</b>	-	0.967742
RP43_0084E08.b1.717	69	578	717	chr4	117269781	117270290	+	0.993039
RP43_0001I21.g1.664	38	327	664	chr4	117341952	<b>117342241</b>	+	0.989362
RP43_0084E08.g1.643	4	151	643	chr4	117419818	<b>117419671</b>	-	0.986111
RP43_0001I21.b1.711	77	425	711	chr4	117539050	117538702	-	0.972308
RP41_2j22TV.880	347	639	880	chr4	120133911	120134203	+	0.976109
RP43_0086O05.b1.649	76	185	649	chr4	120799106	120798997	-	0.990654
CH255_46g6TJ.807	6	273	807	chr4	127399530	127399797	+	1
CH255_8o4TV.539	46	539	539	chr4	127479789	<b>127480282</b>	+	0.977041
CH255_46g6TV.745	238	745	745	chr4	127624447	<b>127623940</b>	-	0.978339
CH255_8o4TJ.428	4	428	428	chr4	127662777	127662353	-	0.980707
CH255_227d16TJ.845	2	843	845	chr4	127754384	127755225	+	0.982484
CH255_196h23TJ.859	4	186	859	chr4	127834657	127834839	+	0.993377
CH255_198b5TV.305	4	131	305	chr4	127834712	<b>127834839</b>	+	1
CH255_227d16TV.740	664	740	740	chr4	127911790	<b>127911714</b>	-	1
CH255_198b5TJ.762	1	217	762	chr4	128055917	128055701	-	0.972678
CH250_158h15TJ.800	2	84	800	chr4	129306674	<b>129306756</b>	+	0.979592
RP41_0055D07.b1.769	406	496	769	chr4	129449914	129449824	-	1
CH250_158h15TV.887	402	500	887	chr4	129449922	<b>129449824</b>	-	0.968421
RP41_35i12TJ.873	519	606	873	chr4	129549058	129548971	-	0.953488
RP41_0052L15.b1.745	223	280	745	chr4	129558106	129558049	-	0.982759
CH250_15g22TJ.690	459	671	690	chr4	142210600	142210812	+	0.986111
CH255_241h10TV.725	351	400	725	chr4	155306974	155307023	+	1
CH255_234e3TJ.539	325	539	539	chr4	155385270	155385484	+	1
CH250_68e18TJ.829	743	798	829	chr4	160730292	160730347	+	1
CH250_147k1TJ.825	348	401	825	chr4	160773291	160773344	+	0.981481
CH250_47n1TJ.657	312	364	657	chr4	165936634	165936686	+	0.953488
CH250_67b12TV.725	501	581	725	chr4	165967540	165967620	+	0.961039
CH250_163j13TJ.840	241	666	840	chr4	165983702	165984127	+	0.969048
CH250_92c19TV.869	472	609	869	chr4	166001022	<b>166001159</b>	+	0.963768
CH250_163j13TV.860	228	312	860	chr4	166177156	<b>166177072</b>	-	0.929412
CH250_92c19TJ.836	277	388	836	chr4	166212489	166212378	-	0.991071
CH255_25k4TV.491	41	491	491	chr4	169285952	169286402	+	0.98916
CH255_109o18TJ.878	340	878	878	chr4	169333325	169333863	+	0.995565
CH255_114i7TJ.898	250	299	898	chr4	169440187	169440236	+	1
CH255_10j19TJ.645	5	465	645	chr4	169441899	169442359	+	0.983607
CH255_48f14TJ.814	764	814	814	chr4	169456101	<b>169456151</b>	+	1
CH255_25k4TJ.346	220	346	346	chr4	169516305	<b>169516179</b>	-	1
CH255_109o18TV.888	531	853	888	chr4	169518274	169517952	-	0.992727
CH255_10j19TV.398	4	187	398	chr4	169633268	169633085	-	0.993865
CH255_2i2TJ.525	2	172	525	chr4	176041556	176041726	+	0.99359
CH255_24b3TJ.142	1	50	142	chr4	176090527	176090576	+	1
CH255_24c22TJ.237	6	237	237	chr4	176100638	176100869	+	0.975
CH255_240h19TJ.842	4	464	842	chr4	176130053	176130513	+	0.993197
CH255_266a13TJ.841	732	841	841	chr4	176180119	<b>176180228</b>	+	1
CH255_2i2TV.450	384	450	450	chr4	176251446	<b>176251380</b>	-	1
CH255_240h19TV.520	419	520	520	chr4	176339067	176338966	-	0.984127
CH255_24c22TV.529	3	529	529	chr4	176355947	176355421	-	0.979943
CH255_228j23TV.834	1	64	834	chr4	176446260	176446197	-	1
CH250_50j21TV.794	149	264	794	chr4	179618647	179618762	+	0.982301
CH250_59m2TJ.188	20	188	188	chr4	179673256	179673424	+	0.928571

CH250_61I7TJ.580	4	375	580 chr4	179673256	179673627 +	0.926154
CH250_172e6TJ.824	221	300	824 chr4	179700210	179700289 +	0.9625
CH250_53h10TV.786	255	600	786 chr4	179725696	179726041 +	0.964912
CH250_53h10TJ.814	162	276	814 chr4	179906198	179906312 +	0.964912
CH250_172e6TV.835	332	443	835 chr4	179949427	179949538 +	0.955357
CH250_59m2TV.483	1	122	483 chr4	179964900	179965021 +	0.964706
CH250_61I7TV.146	39	146	146 chr4	179965023	179965130 +	0.984127
CH250_92b9TV.887	615	726	887 chr4	179968570	179968681 +	0.942308
CH255_102d9TJ.692	383	692	692 chr4	182150030	182150339 +	0.964467
CH255_206g6TV.627	6	619	627 chr4	182177152	182177765 +	0.968487
CH255_115b10TJ.815	4	524	815 chr4	182190349	182190869 +	0.988095
CH255_259o14TV.692	1	493	692 chr4	182278413	<b>182278905</b> +	0.984979
CH255_194o14TJ.868	5	352	868 chr4	182330279	<b>182329932</b> -	0.987013
CH255_206g6TJ.372	290	372	372 chr4	182347046	182346964 -	1
CH255_132i3TJ.638	1	547	638 chr4	182563843	182563297 -	0.992141
RP41_0072K10.g1.723	80	350	723 chr4	187167544	<b>187167814</b> +	0.958491
RP41_0072K10.b1.750	33	134	750 chr4	187354523	<b>187354422</b> -	0.974026
RP43_0078P13.g1.653	140	357	653 chr4	190891219	<b>190891436</b> +	0.869159
RP43_0027N19.b1.743	286	365	743 chr4	190896588	<b>190896509</b> -	0.9375
CH255_120o20TV.672	352	420	672 chr5	10123996	<b>10124064</b> +	1
CH255_120o20TJ.442	1	442	442 chr5	10314571	<b>10314130</b> -	0.978378
RP41_0086E09.b1.727	102	225	727 chr5	12194004	12194127 +	0.95935
RP41_0055G19.g1.747	567	664	747 chr5	12284160	<b>12284257</b> +	1
RP41_0086E09.g1.735	283	384	735 chr5	12364015	<b>12363914</b> -	0.961538
CH255_204i10TJ.675	589	675	675 chr5	13003001	13002915 -	1
RP43_0031C19.b1.718	79	332	718 chr5	18734478	18734731 +	0.995984
RP43_0076E11.g1.615	3	252	615 chr5	18761767	18762016 +	0.982456
RP43_128m9TV.774	1	50	774 chr5	18774615	<b>18774664</b> +	1
RP43_0076E11.b1.663	107	459	663 chr5	18900040	<b>18899688</b> -	0.997101
RP43_0031C19.g1.636	44	248	636 chr5	18923646	18923442 -	0.985507
RP43_128m9TJ.802	20	300	802 chr5	18938396	18938116 -	0.980237
RP43_0020O07.b1.706	55	230	706 chr5	18979990	18979815 -	0.988304
RP41_0095N02.g1.723	430	532	723 chr5	25652138	<b>25652240</b> +	0.969697
RP41_0095N02.b1.758	44	243	758 chr5	25836698	<b>25836499</b> -	0.956989
CH255_12h7TJ.371	1	189	371 chr5	42412606	42412794 +	0.99375
CH255_197a16TV.610	1	610	610 chr5	42537381	42537990 +	0.989717
CH255_204k20TV.708	1	197	708 chr5	42578104	42578300 +	0.993865
CH255_223a22TV.710	4	134	710 chr5	42613705	<b>42613835</b> +	1
CH255_223a22TJ.880	548	781	880 chr5	42812931	<b>42812698</b> -	0.990338
RP43_0013O03.g1.627	193	253	627 chr5	42924921	<b>42924981</b> +	1
RP43_0013O03.b1.731	41	615	731 chr5	43096259	<b>43095685</b> -	0.997669
CH255_140f9TJ.832	372	457	832 chr5	43432975	<b>43433060</b> +	1
CH255_140f9TV.808	612	756	808 chr5	43629568	<b>43629424</b> -	0.980769
CH255_199e9TV.745	694	745	745 chr5	44433373	44433424 +	1
CH255_199e21TV.802	741	802	802 chr5	44433373	44433434 +	1
CH255_198b8TV.778	1	480	778 chr5	44477177	44477656 +	0.983333
CH255_226n23TV.904	5	904	904 chr5	44488522	44489421 +	0.980882
CH255_37g5TV.775	711	775	775 chr5	44589862	44589926 +	1
CH255_26c11TV.138	1	88	138 chr5	44598018	<b>44598105</b> +	0.956522
CH255_199e21TJ.716	554	716	716 chr5	44676720	<b>44676558</b> -	1
CH255_199e9TJ.617	510	617	617 chr5	44676720	44676613 -	1
CH255_198b8TJ.865	299	403	865 chr5	44677037	44676933 -	1

CH255_37g5TJ.608	1	608	608 chr5	44816742	44816135 -	0.9869
CH255_26c11TJ.360	7	360	360 chr5	44915475	44915122 -	0.996753
CH250_48j18TV.802	708	802	802 chr5	51396860	<b>51396954</b> +	1
CH250_48j18TJ.617	214	354	617 chr5	51537551	<b>51537411</b> -	0.945736
RP43_0164J10.b1.692	76	259	692 chr5	57018261	<b>57018444</b> +	1
CH255_18e9TJ.210	67	210	210 chr5	57205352	57205209 -	0.984848
RP43_0164J10.g1.591	9	468	591 chr5	57207723	<b>57207264</b> -	0.981752
RP43_100g24TV.648	485	648	648 chr5	57270151	57269988 -	1
CH250_36f16TJ.402	69	186	402 chr5	74323811	74323928 +	0.95
CH250_9a24TJ.650	190	486	650 chr5	74343872	74344168 +	0.94
RP43_120o12TV.373	227	373	373 chr5	74809073	74808927 -	0.983871
RP43_0173K20.b1.703	411	595	703 chr5	76487386	76487202 -	0.976471
CH255_38c19TV.323	1	323	323 chr5	82230752	<b>82231074</b> +	0.98773
CH255_38c19TJ.316	10	316	316 chr5	82441978	<b>82441672</b> -	0.987261
CH255_248c9TJ.838	13	838	838 chr5	93600893	93601718 +	0.993421
CH255_143f15TJ.850	3	849	850 chr5	93640228	<b>93641074</b> +	0.991117
CH255_143f15TV.796	537	762	796 chr5	93864364	<b>93864139</b> -	0.994792
CH255_128b10TJ.854	333	830	854 chr5	94626422	94626919 +	0.988739
CH255_214g4TV.722	3	722	722 chr5	94630223	94630942 +	0.990775
CH255_19p24TV.531	54	531	531 chr5	94767988	94768465 +	0.98538
CH255_97k3TV.139	41	139	139 chr5	94778527	<b>94778625</b> +	0.985075
CH255_121k17TJ.694	1	669	694 chr5	94805910	<b>94805242</b> -	0.989983
RP43_0047P05.g1.650	298	572	650 chr5	94823212	94823486 +	1
CH255_128b10TV.504	395	504	504 chr5	94834876	94834767 -	0.983871
RP43_0044A24.g1.619	170	356	619 chr5	94846920	94847106 +	0.994624
CH255_130k10TJ.837	186	292	837 chr5	94873782	94873676 -	1
RP43_0147L10.g1.612	180	318	612 chr5	94909320	<b>94909458</b> +	0.992806
CH255_228g16TJ.855	625	855	855 chr5	94940164	94939934 -	0.986301
CH255_19p24TJ.419	169	419	419 chr5	94981158	94980908 -	1
RP43_0044A24.b1.721	113	533	721 chr5	94981278	<b>94980858</b> -	0.994382
RP43_0047P05.b1.732	62	205	732 chr5	94988373	94988230 -	0.954887
CH255_132c14TV.686	591	683	686 chr5	95034810	95034718 -	1
RP43_0147L10.b1.677	80	574	677 chr5	95062053	95061559 -	0.995272
CH250_175n18TJ.708	621	707	708 chr5	107085363	<b>107085449</b> +	0.96875
CH250_175n18TV.850	575	850	850 chr5	107237929	<b>107237654</b> -	0.988281
CH250_29j6TJ.850	3	427	850 chr5	107264614	107264190 -	0.949761
RP43_104n5TJ.699	1	294	699 chr5	108086947	108086654 -	0.99095
CH255_37j1TJ.601	544	601	601 chr5	127842807	<b>127842864</b> +	1
CH255_37j1TV.625	243	625	625 chr5	128027808	<b>128027426</b> -	0.984733
CH255_268p21TJ.814	1	311	814 chr5	130594166	130593856 -	0.996241
CH250_147g13TV.798	4	245	798 chr5	133686851	133687092 +	0.95098
CH250_74n21TV.886	321	384	886 chr5	133699066	<b>133699129</b> +	0.984375
CH250_74n21TJ.814	358	814	814 chr5	133860911	<b>133860455</b> -	0.961111
CH250_147g13TJ.752	43	133	752 chr5	133869030	133868940 -	0.970149
RP41_29b12TJ.827	635	776	827 chr5	141439057	<b>141439198</b> +	0.961832
RP41_29b12TV.857	494	627	857 chr5	141610014	<b>141609881</b> -	0.992537
CH250_148n10TV.700	522	661	700 chr5	151719782	151719921 +	1
CH255_258i10TJ.826	721	816	826 chr5	153466653	153466748 +	0.987952
RP43_116e9TJ.591	411	591	591 chr5	156088389	156088569 +	1
RP43_0013O06.g1.647	392	476	647 chr5	156120174	156120258 +	0.947368
RP43_0072F17.g1.645	401	485	645 chr5	156120174	<b>156120258</b> +	0.965517
RP43_0013O06.b1.715	358	577	715 chr5	156291351	<b>156291132</b> -	0.975

RP43_0072F17.b1.694	190	673	694	chr5	156300627	156300144	-	0.995595
RP41_24e19TV.896	33	128	896	chr5	162580725	162580820	+	0.959459
RP41_0056K19.b1.777	257	353	777	chr5	162667730	162667826	+	0.979381
RP41_0056K19.g1.729	464	597	729	chr5	162819075	162818942	-	0.8
RP41_0071F07.g1.712	120	264	712	chr5	175648091	<b>175648235</b>	+	0.943262
RP41_18d21TJ.799	1	175	799	chr5	175822171	<b>175821997</b>	-	0.926667
RP41_0071F07.b1.744	81	380	744	chr5	175823812	175823513	-	0.952703
CH255_2i7TJ.469	4	228	469	chr6	11553348	11553572	+	0.975758
CH255_124e9TV.804	724	804	804	chr6	11639504	11639584	+	1
CH255_218a16TV.672	603	672	672	chr6	11641750	11641819	+	1
CH255_194c15TJ.255	1	255	255	chr6	11676792	11677046	+	0.990909
CH255_206i24TV.395	313	388	395	chr6	11687661	11687736	+	1
CH255_265f11TJ.579	118	306	579	chr6	11700150	11700338	+	0.983784
CH255_198n17TJ.411	10	411	411	chr6	11702455	11702856	+	0.978261
CH255_1o2TV.396	241	290	396	chr6	11719337	11719386	+	0.98
CH255_218i19TJ.822	45	764	822	chr6	11758714	11759433	+	0.992151
CH255_236j3TJ.384	289	384	384	chr6	11847301	<b>11847396</b>	+	1
CH255_124e9TJ.728	659	728	728	chr6	11855148	<b>11855079</b>	-	1
CH255_218a16TJ.620	41	620	620	chr6	11879446	11878867	-	0.989775
CH255_140d2TV.353	3	345	353	chr6	11883028	11883370	+	0.986842
CH255_206i24TJ.478	36	478	478	chr6	11937452	11937010	-	0.982935
CH255_218i19TV.791	2	791	791	chr6	11941212	11940423	-	0.984043
CH255_1o2TJ.264	1	264	264	chr6	11956741	11956478	-	0.985294
CH255_140d2TJ.745	156	270	745	chr6	12112243	12112129	-	0.991304
RP43_0044H15.g1.646	128	276	646	chr6	13692044	<b>13692192</b>	+	0.986577
RP43_0044H15.b1.726	85	199	726	chr6	13873416	<b>13873302</b>	-	1
RP41_0072L10.g1.699	128	233	699	chr6	26514759	26514864	+	0.933962
RP41_0056P10.b1.767	226	540	767	chr6	26522443	26522757	+	0.935018
RP41_35k10TJ.862	215	529	862	chr6	26522443	<b>26522757</b>	+	0.938907
RP41_7h17TV.774	383	572	774	chr6	26703064	<b>26702875</b>	-	0.952632
RP41_0056P10.g1.700	86	236	700	chr6	26710440	26710290	-	0.944828
RP41_35k10TV.869	353	628	869	chr6	26728284	26728009	-	0.941818
CH255_120p20TJ.646	1	646	646	chr6	27400436	<b>27401081</b>	+	0.994141
CH255_4f14TV.193	1	190	193	chr6	27527731	<b>27527542</b>	-	1
CH255_244a19TJ.746	22	746	746	chr6	27528495	27527771	-	1
CH255_120p20TV.491	1	187	491	chr6	27620516	27620330	-	0.984733
CH255_244i12TJ.427	139	240	427	chr6	27659214	27659113	-	0.980198
RP43_0022F16.b1.696	72	259	696	chr6	38304912	<b>38305099</b>	+	0.994595
RP43_0022F16.g1.607	47	449	607	chr6	38491644	<b>38491242</b>	-	1
RP43_0036M08.b1.717	76	546	717	chr6	38509003	38508533	-	0.997602
RP41_0086A23.g1.702	292	369	702	chr6	41367478	<b>41367555</b>	+	0.968254
RP41_0086A23.b1.737	60	199	737	chr6	41549458	<b>41549319</b>	-	0.968504
RP43_0016N01.b1.713	487	593	713	chr6	46865545	46865439	-	1
CH255_7i16TV.207	112	207	207	chr6	47109406	47109501	+	1
CH255_240j4TV.680	140	304	680	chr6	52623291	52623455	+	1
CH255_250i20TV.632	82	632	632	chr6	52786491	<b>52787041</b>	+	0.982301
CH255_240j4TJ.757	253	591	757	chr6	52842810	<b>52842472</b>	-	0.972561
CH255_250i20TJ.706	17	270	706	chr6	52968653	52968400	-	0.986667
RP43_0008F11.g1.632	39	478	632	chr6	80197221	<b>80197660</b>	+	0.99422
RP43_0008F11.b1.649	34	279	649	chr6	80395840	<b>80395595</b>	-	0.995327
CH250_33h20TJ.463	257	341	463	chr6	87149029	<b>87149113</b>	+	0.985294
CH250_33h20TV.702	139	446	702	chr6	87336390	<b>87336083</b>	-	0.927393

CH255_200j10TV.749	531	749	749 chr6	97818152	<b>97818370</b> +	1
CH255_200j10TJ.767	4	79	767 chr6	98048059	<b>98047984</b> -	1
RP41_43o10TV.821	95	365	821 chr6	104530624	104530894 +	0.943396
RP41_0065K02.b1.735	76	468	735 chr6	104564621	<b>104565013</b> +	0.960733
RP41_43o10TJ.163	1	139	163 chr6	104701624	<b>104701486</b> -	0.966667
RP41_0065K02.g1.721	194	272	721 chr6	104725155	104725077 -	0.962025
RP41_14c14TJ.835	242	426	835 chr6	106868361	<b>106868545</b> +	0.961326
RP41_14c14TV.532	33	492	532 chr6	107047185	<b>107046726</b> -	0.958716
RP43_0150P07.b1.703	73	608	703 chr6	123957441	<b>123957976</b> +	0.993007
RP43_0150P07.g1.617	4	493	617 chr6	124137282	<b>124136793</b> -	0.995146
RP43_0019G06.g1.628	330	449	628 chr6	125231395	<b>125231514</b> +	1
RP43_0019G06.b1.704	388	577	704 chr6	125284267	<b>125284078</b> -	1
RP41_0075G02.b1.682	132	364	682 chr6	138878856	<b>138879088</b> +	0.973913
RP41_0075G02.g1.693	281	523	693 chr6	139053032	<b>139052790</b> -	0.97006
CH250_162i15TJ.775	11	155	775 chr6	141562839	141562695 -	0.894309
CH250_77i14TV.510	39	510	510 chr6	144590457	144589986 -	0.957447
CH250_39f11TJ.228	151	201	228 chr6	145432735	145432685 -	1
CH250_147i7TV.376	9	67	376 chr6	151635871	<b>151635929</b> +	1
CH250_147i7TJ.708	259	341	708 chr6	151847502	<b>151847420</b> -	0.982456
CH250_152e1TJ.713	641	713	713 chr6	151861688	151861616 -	1
CH250_43o17TV.580	435	571	580 chr6	152973878	<b>152974014</b> +	0.962687
CH250_43o17TJ.837	535	710	837 chr6	153152973	<b>153152798</b> -	0.95
CH250_174p9TV.670	374	552	670 chr6	153227388	153227210 -	1
RP41_44d4TJ.863	1	103	863 chr6	153702165	<b>153702267</b> +	0.954023
RP41_0076C08.b1.720	205	381	720 chr6	153889576	<b>153889400</b> -	0.932203
RP41_0076E06.b1.634	191	324	634 chr6	153889576	153889443 -	0.918605
RP41_0074B05.b1.750	209	336	750 chr6	153889576	153889449 -	0.9375
RP43_111f4TV.127	34	117	127 chr6	161193964	161194047 +	1
CH250_3I15TV.612	437	568	612 chr7	5476685	<b>5476816</b> +	0.949153
CH250_3I15TJ.391	4	59	391 chr7	5669960	<b>5669905</b> -	0.90625
CH255_214I3TV.236	78	151	236 chr7	5721750	5721677 -	1
RP41_0155D05.g1.731	44	262	731 chr7	7457133	7456915 -	0.931579
RP43_0078B18.g1.642	48	143	642 chr7	9236304	9236399 +	0.988372
RP43_0042A22.b1.715	213	463	715 chr7	10845701	10845951 +	0.991304
RP43_131n10TJ.848	360	848	848 chr7	10866333	<b>10866821</b> +	0.980907
RP43_0042A22.g1.637	4	472	637 chr7	10996820	<b>10996352</b> -	0.982097
RP43_131n10TV.862	1	50	862 chr7	11022073	11022024 -	1
RP41_0087H20.g1.745	76	261	745 chr7	14424311	<b>14424496</b> +	0.945055
RP41_0087H20.b1.694	116	256	694 chr7	14587967	<b>14587827</b> -	0.943262
CH255_108d8TJ.643	1	82	643 chr7	14601980	14601899 -	1
RP43_0030K12.b1.629	45	398	629 chr7	22529458	22529811 +	0.996564
RP43_0088K21.b1.703	38	314	703 chr7	22573555	22573831 +	0.991304
RP43_0023F10.g1.643	4	488	643 chr7	22594014	22594498 +	0.997326
RP43_0157B04.b1.715	147	568	715 chr7	22594080	22594501 +	0.994186
RP43_0148I15.b1.723	149	619	723 chr7	22594080	<b>22594550</b> +	0.997085
RP43_0038F15.g1.639	1	415	639 chr7	22663136	<b>22662722</b> -	1
RP43_0148I15.g1.627	435	528	627 chr7	22726500	22726407 -	1
RP43_0023F10.b1.654	62	374	654 chr7	22774567	22774255 -	0.977612
CH255_140k16TJ.860	754	827	860 chr7	36220767	36220840 +	1
CH255_266e22TJ.743	3	56	743 chr7	36309706	<b>36309759</b> +	1
RP43_0020H17.g1.666	199	548	666 chr7	36309987	36310336 +	0.979695
RP43_119p2TJ.764	667	764	764 chr7	36310772	36310869 +	1



RP43_127m1TV.322	1	321	322 chr7	36330513	36330833 +	0.985185
RP43_0021K18.g1.641	196	334	641 chr7	36346059	36346197 +	1
RP43_98d17TV.803	54	213	803 chr7	36353597	36353756 +	1
CH255_266e22TV.770	284	770	770 chr7	36506565	<b>36506079</b> -	0.990826
RP43_122d3TJ.889	692	889	889 chr7	39447828	39448025 +	1
RP43_0145B02.g1.609	258	607	609 chr7	39583406	<b>39583755</b> +	0.994048
RP43_122d3TV.526	180	526	526 chr7	39627957	<b>39627611</b> -	0.996528
RP43_0039B14.g1.631	10	74	631 chr7	39640701	<b>39640765</b> +	1
RP43_127b16TJ.756	1	128	756 chr7	39670765	<b>39670638</b> -	1
RP43_0145B02.b1.682	121	307	682 chr7	39708197	39708011 -	0.97861
RP43_0086O05.g1.625	2	304	625 chr7	39714246	39713944 -	1
CH255_202k13TV.579	166	579	579 chr7	39874303	<b>39874716</b> +	1
RP41_0088E12.g1.723	467	581	723 chr7	39945430	<b>39945544</b> +	1
CH255_202k13TJ.566	419	563	566 chr7	40092429	<b>40092285</b> -	1
RP41_0088E12.b1.746	335	447	746 chr7	40105977	<b>40105865</b> -	0.983607
CH255_248m2TJ.838	5	125	838 chr7	42507290	42507410 +	1
CH255_44a12TV.694	2	428	694 chr7	42610164	<b>42610590</b> +	0.98806
CH255_44a12TJ.284	1	284	284 chr7	42794445	<b>42794162</b> -	1
CH255_206g21TV.637	478	637	637 chr7	42804915	42804756 -	0.987179
RP43_0062I09.b1.731	45	632	731 chr7	48787250	48787837 +	0.984513
RP43_0170L05.b1.686	416	680	686 chr7	48795358	48795622 +	1
RP43_0033P19.b1.723	476	544	723 chr7	48820058	48820126 +	1
RP43_0171O10.g1.615	51	571	615 chr7	48850375	48850895 +	1
RP43_0171M24.g1.621	486	561	621 chr7	48850812	<b>48850887</b> +	1
RP43_0019H06.b1.733	417	576	733 chr7	48935895	<b>48935736</b> -	0.985075
RP43_0166P23.g1.624	6	498	624 chr7	48940075	48939583 -	0.995122
RP43_0062I09.g1.642	470	532	642 chr7	48946636	48946574 -	1
RP43_0033P19.g1.634	48	495	634 chr7	48978856	48978409 -	0.993127
RP43_0171M24.b1.702	140	519	702 chr7	49040521	49040142 -	0.97479
CH255_128k13TJ.853	3	853	853 chr7	54234046	54234896 +	0.978008
CH255_266e2TV.542	1	542	542 chr7	54372322	<b>54372863</b> +	0.973783
CH255_128k13TV.529	91	526	529 chr7	54453499	<b>54453064</b> -	0.990148
CH255_266e2TJ.386	16	200	386 chr7	54610439	54610255 -	0.975904
RP43_0170B11.g1.628	97	539	628 chr7	55915790	55916232 +	0.971311
RP43_0039B14.b1.732	59	422	732 chr7	55928624	55928987 +	0.991124
RP43_0170B11.b1.730	492	647	730 chr7	56217713	56217558 -	1
RP43_0152H23.g1.594	9	277	594 chr7	56220505	56220237 -	0.983936
RP43_0066J07.g1.608	1	259	608 chr7	56275965	56275707 -	0.995935
RP41_0062J01.b1.770	427	572	770 chr7	56503437	56503582 +	0.965909
CH255_136m8TJ.419	303	411	419 chr7	57373644	57373536 -	1
RP41_40p12TV.851	161	231	851 chr7	57464951	57465021 +	0.971831
RP41_10j22TJ.650	368	444	650 chr7	62724763	62724687 -	0.987013
CH255_258c2TJ.778	178	275	778 chr7	63582747	63582844 +	1
CH255_258c2TV.746	5	721	746 chr7	63851115	63850399 -	0.989489
RP43_0027C06.b1.705	114	345	705 chr7	64678508	64678277 -	0.974138
RP41_42b3TJ.737	180	235	737 chr7	67331579	67331524 -	0.981132
RP41_44d9TJ.580	336	488	580 chr7	68837930	<b>68838082</b> +	0.954248
RP41_44d9TV.874	12	524	874 chr7	69011410	<b>69010898</b> -	0.982869
RP41_13k1TV.832	277	661	832 chr7	69119045	69118661 -	0.981333
RP41_0067P17.b1.757	74	162	757 chr7	96214136	96214224 +	0.963415
RP43_133c17TV.872	39	159	872 chr7	97145323	97145443 +	1
CH250_6i21TJ.377	115	332	377 chr7	98814065	98814282 +	0.9801

CH250_83m4TJ.811	287	429	811 chr7	98905127	98905269 +	0.937063
CH250_146h14TJ.860	397	648	860 chr7	98971050	<b>98971301</b> +	0.964143
CH250_83m4TV.850	22	145	850 chr7	98998975	<b>98998852</b> -	0.946809
CH250_71i15TJ.796	1	52	796 chr7	99002377	<b>99002428</b> +	0.875
CH250_146h14TV.875	451	504	875 chr7	99030005	<b>99029952</b> -	0.944444
CH250_71i15TV.845	714	845	845 chr7	99041034	99040903 -	0.949367
RP41_0090A10.b1.774	442	598	774 chr7	129997149	129996993 -	1
RP41_0064M14.g1.688	379	482	688 chr7	132537037	<b>132537140</b> +	1
RP41_0064M14.b1.776	78	246	776 chr7	132724926	<b>132724758</b> -	0.969697
CH255_102d11TJ.720	33	95	720 chr7	133650073	133650135 +	0.968254
RP43_0006K06.g1.653	81	170	653 chr7	136964659	136964748 +	1
CH250_156n24TJ.824	203	281	824 chr7	136964670	136964748 +	0.961538
CH250_75e3TV.885	685	848	885 chr7	136996075	136996238 +	0.967742
RP43_0090K24.b1.696	93	185	696 chr7	137057887	<b>137057979</b> +	0.988235
RP43_0006K06.b1.679	319	518	679 chr7	137158939	<b>137158740</b> -	0.987952
RP43_0090K24.g1.631	50	419	631 chr7	137225586	137225217 -	0.979104
RP41_0059J12.g1.740	451	592	740 chr7	147472455	<b>147472596</b> +	0.975
RP41_0059J12.b1.770	384	609	770 chr7	147632236	<b>147632011</b> -	0.948454
RP41_18e23TJ.849	470	687	849 chr7	148921764	148921547 -	0.990741
RP41_0066G14.g1.729	75	500	729 chr7	148928150	148927725 -	0.966759
CH250_148g1TV.845	1	336	845 chr7	148938537	148938202 -	0.965035
CH250_175o11TJ.759	428	632	759 chr7	151140128	151140332 +	0.950495
CH255_127i6TV.765	114	186	765 chr7	153146254	153146182 -	0.955224
CH255_240d24TJ.630	503	630	630 chr8	2010244	<b>2010371</b> +	1
CH255_240d24TV.390	305	375	390 chr8	2192498	<b>2192428</b> -	1
RP43_116p21TJ.816	702	816	816 chr8	7149738	7149852 +	1
CH255_122k5TJ.450	1	165	450 chr8	8695689	<b>8695853</b> +	0.98374
CH255_122k5TV.343	8	227	343 chr8	8893034	<b>8892815</b> -	0.968421
RP43_0078F03.g1.634	91	244	634 chr8	12264885	12264732 -	0.968
RP43_0145P18.g1.623	397	510	623 chr8	26768290	<b>26768403</b> +	1
RP43_0145P18.b1.701	41	538	701 chr8	26912157	<b>26911660</b> -	0.990544
CH255_224i22TV.649	1	636	649 chr8	38405642	<b>38406277</b> +	0.995789
CH255_224i22TJ.582	450	582	582 chr8	38638965	<b>38638833</b> -	1
RP41_0074G24.g1.709	129	341	709 chr8	40794667	40794879 +	0.942857
RP41_0076D18.g1.784	336	441	784 chr8	41011291	41011186 -	0.94
RP41_0077D18.g1.758	336	441	758 chr8	41011291	41011186 -	0.941176
CH255_128o14TJ.818	1	421	818 chr8	41542650	41542230 -	0.989446
RP41_47n17TJ.842	749	807	842 chr8	42541627	42541685 +	1
RP41_1n14TJ.766	1	375	766 chr8	42608767	42609141 +	0.974138
RP41_0096G13.b1.751	227	306	751 chr8	42613728	<b>42613807</b> +	0.9875
RP41_47n17TV.861	1	107	861 chr8	42710122	<b>42710016</b> -	0.988095
RP41_1n14TV.600	23	124	600 chr8	42763499	42763398 -	0.9625
RP41_34c11TJ.866	578	715	866 chr8	42935906	42936043 +	0.971014
CH250_163e4TV.889	585	732	889 chr8	42935906	42936053 +	0.966216
CH250_91j11TJ.711	1	69	711 chr8	49023491	<b>49023559</b> +	1
CH250_91j11TV.877	249	305	877 chr8	49164540	<b>49164484</b> -	0.982456
RP41_0081F21.g1.764	70	132	764 chr8	52111951	52111889 -	0.980392
RP41_5d12TJ.569	19	179	569 chr8	52171240	52171080 -	0.934783
RP43_0034L19.b1.724	57	341	724 chr8	54469559	54469843 +	0.98513
RP43_121k9TV.593	148	593	593 chr8	54472114	54472559 +	0.979661
RP43_101e21TJ.793	302	604	793 chr8	54527199	54527501 +	0.996516
RP43_0016O08.g1.649	253	435	649 chr8	54607196	54607378 +	0.985915

RP43_0040G02.b1.740	56	511	740 chr8	54636114	<b>54636569</b> +	0.991781
RP43_101e21TV.604	3	604	604 chr8	54679252	<b>54678651</b> -	0.993724
RP43_0040G02.g1.638	83	502	638 chr8	54777403	54776984 -	0.990712
RP43_0016O08.b1.696	81	557	696 chr8	54778046	54777570 -	0.994667
CH255_118b4TJ.748	685	748	748 chr8	55983269	<b>55983332</b> +	1
CH255_118b4TV.771	676	771	771 chr8	56163263	<b>56163168</b> -	1
CH255_46g17TJ.722	637	722	722 chr8	56430979	56431064 +	1
CH255_234I5TV.691	474	666	691 chr8	56518282	56518474 +	0.992126
CH250_170c19TJ.793	292	554	793 chr8	56519371	56519633 +	0.931559
CH250_21i17TJ.857	290	552	857 chr8	56519371	56519633 +	0.945274
CH250_174b17TJ.679	606	669	679 chr8	56829563	56829500 -	1
CH255_214m7TJ.653	338	653	653 chr8	59283950	59284265 +	0.990291
CH255_206b14TJ.656	314	656	656 chr8	59283950	59284292 +	0.990566
CH255_206b3TJ.645	79	244	645 chr8	59376996	59377161 +	0.993548
CH255_30a20TV.265	1	265	265 chr8	59378378	59378642 +	0.975962
CH255_256n9TV.828	4	86	828 chr8	59413340	59413422 +	1
CH255_240k11TJ.729	481	581	729 chr8	59450017	<b>59450117</b> +	1
CH255_214m7TV.842	486	842	842 chr8	59476197	<b>59475841</b> -	1
CH255_206b14TV.575	432	575	575 chr8	59476197	59476054 -	1
CH255_270a1TV.181	1	181	181 chr8	59504882	59504702 -	0.964789
CH255_30a20TJ.308	227	308	308 chr8	59565396	59565315 -	1
CH255_256n9TJ.829	1	298	829 chr8	59620406	59620109 -	0.992857
CH250_TV.829	385	436	829 chr8	71101361	71101310 -	0.972222
CH255_48i18TV.742	2	108	742 chr8	82876080	<b>82876186</b> +	0.988636
CH255_205m6TJ.828	643	828	828 chr8	83076938	<b>83076753</b> -	0.983607
CH255_48i18TJ.795	249	521	795 chr8	83082593	83082321 -	0.992674
CH250_19n14TJ.873	798	871	873 chr8	95072915	95072842 -	0.970588
RP41_8c10TJ.705	101	245	705 chr8	100169674	<b>100169818</b> +	0.976562
RP41_0077O02.g1.753	77	471	753 chr8	100386392	<b>100385998</b> -	0.93617
RP41_0060C18.g1.746	407	604	746 chr8	100402159	100401962 -	0.930233
CH250_1n2TV.682	1	169	682 chr8	114748140	114748308 +	0.953642
CH250_18I14TV.665	2	239	665 chr8	114881280	<b>114881517</b> +	0.955556
CH250_1n2TJ.878	754	806	878 chr8	114933038	<b>114932986</b> -	1
CH250_18I14TJ.752	167	509	752 chr8	115093000	115092658 -	0.967552
RP41_0064C10.g1.716	261	401	716 chr8	125023263	125023123 -	0.964539
RP43_0012M17.g1.642	409	465	642 chr8	130976702	<b>130976758</b> +	1
RP43_0012M17.b1.727	467	608	727 chr8	131132594	<b>131132453</b> -	1
RP41_0071B10.b1.756	64	205	756 chr8	132432535	132432394 -	0.952
CH255_126j4TV.198	1	198	198 chr8	133745124	133744927 -	0.977273
RP41_42g16TJ.769	192	275	769 chr8	146282822	146282905 +	0.916667
CH255_113f17TJ.753	589	753	753 chr9	14915133	14915297 +	0.991525
CH255_205a5TV.356	87	261	356 chr9	15032530	15032704 +	0.990909
CH255_205a5TJ.704	13	187	704 chr9	15257795	15257621 -	0.988304
RP41_0070F13.g1.698	94	531	698 chr9	15263927	15264364 +	0.94081
CH255_18g11TV.265	3	87	265 chr9	15285450	15285366 -	1
CH255_130k3TJ.818	5	692	818 chr9	17136875	17137562 +	0.989097
CH255_193n24TV.380	175	276	380 chr9	17146579	17146680 +	1
CH255_138b11TJ.739	26	739	739 chr9	17207472	17208185 +	0.986799
CH255_138i7TJ.827	1	797	827 chr9	17207473	<b>17208269</b> +	0.989348
CH255_104k10TV.793	3	344	793 chr9	17305702	<b>17305361</b> -	0.987302
CH255_130k3TV.462	1	194	462 chr9	17367157	17366964 -	0.98773
RP41_34n21TJ.867	761	855	867 chr9	25895934	<b>25896028</b> +	1

RP41_34n21TV.867	467	551	867 chr9	26091240	<b>26091156</b> -	0.964286
RP41_18n20TV.901	532	633	901 chr9	33566935	33567036 +	0.969388
CH255_108f7TJ.212	44	100	212 chr9	43862971	43863027 +	1
RP43_107f14TJ.729	1	80	729 chr9	44260180	44260259 +	1
RP43_0048G11.b1.778	80	350	778 chr9	44328056	44328326 +	0.992481
CH255_125o10TJ.628	20	155	628 chr9	62592268	62592403 +	0.962963
CH250_27m2TV.817	27	83	817 chr9	62753562	62753618 +	1
RP43_0048G11.g1.647	1	536	647 chr9	63363104	63362569 -	0.987654
RP43_0016N01.g1.620	183	382	620 chr9	65606309	65606110 -	1
RP43_119e10TV.222	122	196	222 chr9	65614125	65614051 -	1
CH255_144f13TV.320	102	320	320 chr9	70731667	70731885 +	0.993007
CH255_218k17TJ.727	11	594	727 chr9	70732356	70732939 +	0.983425
CH255_133f22TJ.854	710	795	854 chr9	70764595	<b>70764680</b> +	0.981132
CH255_144f13TJ.644	541	643	644 chr9	70900867	<b>70900765</b> -	1
CH255_133f22TV.623	6	99	623 chr9	70948668	70948575 -	1
CH255_218k17TV.664	460	592	664 chr9	70949562	70949430 -	0.987654
RP41_23n12TV.823	132	289	823 chr9	81155388	81155545 +	0.954545
RP41_0087O13.b1.742	77	143	742 chr9	81192966	<b>81193032</b> +	1
RP41_23n12TJ.735	304	452	735 chr9	81335024	<b>81334876</b> -	1
RP41_0087O13.g1.722	289	351	722 chr9	81381204	81381142 -	1
RP41_10h8TV.855	389	494	855 chr9	81438322	81438217 -	0.942308
RP41_18d7TJ.837	433	696	837 chr9	88209117	<b>88209380</b> +	0.942966
CH250_150f13TJ.843	1	84	843 chr9	88246399	<b>88246482</b> +	0.961538
RP41_18d7TV.767	587	767	767 chr9	88419834	<b>88419654</b> -	0.966292
CH250_170p12TJ.842	681	782	842 chr9	88525961	<b>88525860</b> -	0.988506
RP41_32f7TV.883	576	627	883 chr9	95016489	95016540 +	0.980769
CH255_217b23TJ.765	181	237	765 chr9	95398615	95398559 -	1
RP41_2f19TJ.839	89	177	839 chr9	114851347	<b>114851435</b> +	0.962963
RP41_2f19TV.867	351	461	867 chr9	115002456	<b>115002346</b> -	0.972973
RP41_0069C08.b1.742	128	266	742 chr9	117171916	<b>117172054</b> +	0.977099
RP41_0074O18.g1.672	223	371	672 chr9	117340909	<b>117340761</b> -	0.929688
RP41_0069C08.g1.726	80	222	726 chr9	117341053	117340911 -	0.940741
CH250_37p15TJ.569	226	289	569 chr9	123316937	123317000 +	1
RP41_0159F09.b1.751	329	441	751 chr9	125570296	<b>125570408</b> +	0.944444
RP41_0159F09.g1.737	62	334	737 chr9	125756345	<b>125756073</b> -	0.950758
RP41_0081J20.g1.748	268	336	748 chr9	132145437	132145369 -	1
RP41_0081O20.g1.750	153	214	750 chr9	135031911	135031972 +	0.983871
RP43_132g17TJ.604	5	292	604 chrUn_ran	1136673	1136386 -	0.974074
RP43_126n22TV.909	19	136	909 chrUn_ran	1146443	1146326 -	0.965909
RP43_0048F07.b1.754	110	607	754 chrUn_ran	1148823	1148326 -	0.983146
RP43_129h4TJ.607	74	607	607 chrUn_ran	1187347	1186814 -	0.978858
RP43_0002M16.b1.703	125	508	703 chrUn_ran	1214090	1213707 -	0.979839
RP43_0038H05.g1.613	304	436	613 chrUn_ran	1798815	1798947 +	1
RP41_0095J08.b1.762	64	450	762 chrX	5803536	5803150 -	0.972125
RP43_124n9TV.478	410	463	478 chrX	6625809	6625756 -	1
RP43_0010O12.g1.642	452	515	642 chrX	8227172	8227109 -	1
RP43_0088K21.g1.637	466	536	637 chrX	20166467	20166397 -	1
RP41_0063O23.g1.729	193	293	729 chrX	23248134	23248234 +	0.950495
RP43_105e11TJ.796	1	796	796 chrX	33338580	<b>33339375</b> +	0.993506
RP43_0021M15.b1.738	73	160	738 chrX	33340953	<b>33340866</b> -	0.987179
RP43_0076G03.b1.668	74	455	668 chrX	33405803	33405422 -	0.99697
RP43_105e11TV.552	44	213	552 chrX	33506435	33506266 -	0.993631

CH250_163a22TV.879	310	423	879 chrX	37250069	37249956 -	0.990476
RP43_110e1TJ.838	6	759	838 chrX	41772990	41772237 -	0.998454
RP41_22i2TJ.834	1	190	834 chrX	48356152	<b>48356341</b> +	0.986667
RP41_22i2TV.847	304	445	847 chrX	48511760	<b>48511619</b> -	0.964789
CH255_254p15TV.656	1	85	656 chrX	71430161	71430245 +	1
CH255_256k18TV.788	4	87	788 chrX	71430162	71430245 +	1
RP41_0092E04.b1.772	240	560	772 chrX	82369872	82369552 -	0.919048
CH255_32k21TJ.150	1	150	150 chrX	82763748	82763897 +	0.973684
CH255_208o3TV.545	4	366	545 chrX	82798015	82798377 +	0.980315
CH255_42a8TJ.599	5	375	599 chrX	83025968	83025598 -	0.97541
RP41_0073F18.b1.719	64	525	719 chrX	92814526	92814987 +	0.944828
RP41_0073I22.b1.719	62	484	719 chrX	105760150	<b>105760572</b> +	0.96134
RP41_7j6TJ.825	11	455	825 chrX	105883682	<b>105883238</b> -	0.955504
RP41_0073I22.g1.686	96	308	686 chrX	105946666	105946454 -	0.975248
CH255_26e16TV.124	4	124	124 chrX	106982796	106982916 +	1
CH255_26e16TJ.488	3	157	488 chrX	107250095	107249941 -	0.986207
CH255_139d15TJ.828	47	828	828 chrX	107385093	107384312 -	0.993017
RP41_0056P04.g1.710	490	571	710 chrX	110577932	110578013 +	1
CH255_204I8TV.610	4	195	610 chrX	111987903	<b>111988094</b> +	0.983957
CH255_204I8TJ.765	5	765	765 chrX	112176707	<b>112175947</b> -	0.994334
RP43_0150G15.b1.700	420	526	700 chrX	118690417	118690523 +	1
RP43_0002M11.b1.713	65	382	713 chrX	118870259	<b>118870576</b> +	0.996815
RP43_0150G15.g1.640	1	296	640 chrX	118920615	<b>118920320</b> -	0.989796
CH255_11m22TJ.298	2	290	298 chrX	136937005	136937293 +	0.985981
RP43_0031J22.b1.745	61	643	745 chrX	136998721	136998139 -	0.995181
CH255_208k5TJ.633	1	355	633 chrX	137331677	137331323 -	0.993127
CH255_250k3TJ.798	17	417	798 chrX	141065424	141065024 -	0.973333
CH255_202p22TJ.830	2	830	830 chrX	142404244	142403416 -	0.980583
CH255_218m23TJ.568	217	315	568 chrX_rand	499536	499438 -	1
CH255_144d20TJ.488	430	488	488 chrX_rand	3000967	3001025 +	1
RP43_119d23TJ.222	1	222	222 chrY	2473239	2473460 +	1
RP43_0164F08.b1.714	420	588	714 chrY	2500817	2500985 +	0.970588
RP43_0164F08.g1.619	7	493	619 chrY	6407537	6407051 -	0.990025
CH255_44a15TV.924	1	371	924 chrY	6521375	6521745 +	0.985423
RP41_0056J10.b1.748	54	203	748 chrY	13336250	13336399 +	0.952055
CH255_254i8TJ.363	61	125	363 chrY	13383348	13383284 -	0.982143
RP43_98i4TV.703	253	323	703 chrY	13492069	13492139 +	1
CH255_205h24TJ.681	318	419	681 chrY	13544028	<b>13544129</b> +	0.939394
RP43_0040H16.g1.631	88	456	631 chrY	13585498	13585866 +	0.986111
RP43_98i4TJ.863	469	681	863 chrY	13625083	13624871 -	0.990291
CH255_254i8TV.626	154	248	626 chrY	13718331	<b>13718237</b> -	0.968085
RP43_0040H16.b1.699	217	317	699 chrY	13760530	13760430 -	0.990099
RP41_0056J10.g1.721	47	380	721 chrY	13881283	13880950 -	0.964744
RP41_18b7TV.876	490	698	876 chrY	14587156	14587364 +	0.949495
RP43_0164C02.g1.617	399	511	617 chrY	15490078	15489966 -	1
RP43_124n9TJ.460	7	295	460 chrY	16409394	<b>16409682</b> +	0.995633
RP43_0040J05.b1.705	57	301	705 chrY	16601036	<b>16600792</b> -	0.973684
RP43_0164C02.b1.703	68	548	703 chrY	16989389	16988909 -	0.982278
CH255_217i4TJ.752	536	752	752 chrY	17329701	17329917 +	0.978261
CH255_236n10TV.564	1	151	564 chrY	17345958	<b>17346108</b> +	0.991736
CH255_125o18TV.116	6	116	116 chrY	17427557	<b>17427447</b> -	1
CH255_200k22TJ.589	5	137	589 chrY	17444320	17444188 -	0.972222



RP41_0155H16.b1.758	99	192	758	chrY	18528498	18528591	+	0.914894
CH255_262b2TV.689	632	689	689	chrY	18688535	18688592	+	1
RP41_0049M08.g1.728	154	246	728	chrY	18970544	18970452	-	0.903226
RP41_0155G22.b1.757	464	535	757	chrY	19045950	<b>19046021</b>	+	0.952381
RP41_0155H16.g1.760	431	628	760	chrY	19148443	<b>19148246</b>	-	0.923077
RP43_134o11TJ.865	574	865	865	chrY	19992584	<b>19992875</b>	+	0.984694
RP43_134o11TV.640	393	460	640	chrY	20154502	<b>20154435</b>	-	0.970588
RP41_0054D06.g1.762	83	218	762	chrY	20539044	20539179	+	0.942149
RP43_129j10TV.834	259	319	834	chrY	49924679	49924739	+	0.983607
CH255_204j16TJ.283	216	283	283	chrY	49924679	49924746	+	1

1467 BACs which hybridized with PTERV1 *gag* and *env* probes were end-sequenced and mapped against the human genome assembly by quality sequence alignment. Insertion sites were refined based on the placement of 2 or more BACs from a species to the same location and highlighted by black border. Different species are highlighted by different colors (Red GGO, Green PTR, Light blue MMU, Blue PAN).