

Table S2. Mapping regions of inverted repeats collected from hpRNA libraries						
#Chr	Start	Stop	Avg depth1	Coverage1	Avg depth2	Coverage2
chr1	363	2838	4.13	21.82	0.93	12.24
chr1	3431	4071	0	0	0	0
chr1	4741	5304	16.58	48.49	25.1	27
chr1	6181	6921	0	0	0	0
chr1	6922	9096	4.88	7.04	10.29	38.5
chr1	9097	12168	71.39	43.28	69.31	37.87
chr1	13476	14393	7.05	58.89	2.06	28.46
chr1	15137	15337	0	0	0	0
chr1	15491	15880	0	0	0	0
chr1	16550	17113	16.2	48.49	22.57	27
chr1	17990	18562	0	0	0	0
chr1	18996	20473	7.56	10.36	12.67	42.38
chr1	21009	22661	130.21	78.33	129.31	68.4
chr1	22682	23245	0	0	0	0
chr1	23281	23892	0	0	0	0
chr1	25281	26198	11.3	59	1.19	28.03
chr1	28261	28914	9.83	41.81	15.45	23.28
chr1	29790	30530	0	0	0	0
chr1	30531	32705	4.99	7.04	8.81	31.6
chr1	32706	35777	69.67	43.24	65.9	37.94
chr1	36957	38002	6.03	51.67	1.44	24.59
chr1	38746	38946	0	0	0	0
chr1	39100	39489	0	0	0	0
chr1	39764	40737	0.64	12.74	0.64	12.74
chr1	42953	43744	0	0	12.52	43.11
chr1	43955	46168	17.01	33.35	31.51	37.82
chr1	46416	47615	474.13	40.45	60.05	31.19
chr1	47871	52283	0.02	0.86	0	0
chr1	52465	58590	5.34	13.8	5.11	12.07
chr1	59064	64433	0.6	3.95	4.87	11.62
chr1	64480	66884	0	0	0	0
chr1	67868	70247	0	0	0	0
chr1	70766	79836	3.66	1.81	2.1	3.37
chr1	80381	86989	25.19	13.01	31	19.28
chr1	87689	90418	0	0	0	0
chr1	92837	97352	0	0	0	0
chr1	97353	103427	0.26	5.71	0.02	2.42
chr1	105393	109362	1.67	4.06	0.31	4.31
chr1	109723	114367	0	0	2.55	11.8
chr1	114443	118430	42.43	23.63	11.27	24.08
chr1	118479	122333	7.39	11.05	0	0
chr1	122838	123815	6.46	13.61	0	0
chr1	124465	125418	10.89	42.6	0	0
chr1	126077	127301	0	0	0	0
chr1	127803	131233	0	0	0	0
chr1	132033	133468	4.45	12.96	18.82	42.93
chr1	134267	141255	0.01	0.27	0.01	0.64
chr1	141395	143023	0	0	0	0
chr1	143513	146144	0.43	6.99	0.28	6.99
chr1	147776	150151	0	0	2.57	9.73
chr1	150420	151242	0	0	3.06	12.41
chr1	151243	154199	0	0	0	0
chr1	156117	161812	14.71	10.13	5.7	11.5
chr1	162346	162924	0	0	33.34	61.07
chr1	163175	165043	0	0	0.02	1.66
chr1	165088	166560	0	0	0	0
chr1	166879	167914	23.04	8.02	0	0
chr1	168098	171695	0	0	0	0
chr1	172097	174196	0	0	0	0
chr1	174217	174639	0	0	0	0
chr1	174664	177574	0	0	0	0
chr1	177685	178930	0	0	0	0

chr1	179296	181835	0	0	0	0
chr1	181932	185803	0	0	0.02	0.49
chr1	186656	188529	0	0	0	0
chr1	189009	189615	7.93	35.31	0	0
chr1	190633	192364	0	0	0	0
chr1	193240	195645	126.89	37.38	37.64	34.05
chr1	196575	197048	0	0	0	0
chr1	197192	197938	0	0	0	0
chr1	197951	199183	0	0	0.02	1.7
chr1	199291	199896	0	0	0	0
chr1	200254	206638	0.01	0.92	0.01	0.92
chr1	206773	209518	10.51	9.07	9.39	8.38
chr1	209519	211588	0	0	0	0
chr1	212693	216067	0.01	0.56	126.75	17.58
chr1	217181	221581	0	0	0	0
chr1	221653	224072	0	0	0	0
chr1	224467	225641	0	0	8.2	25.21
chr1	225841	227243	0	0	0	0
chr1	227268	230968	0	0	0	0
chr1	231344	232760	0	0	0	0
chr1	232886	235582	4.47	13.5	0	0
chr1	237330	239611	0	0	1.91	6.18
chr1	239955	242494	4.91	5.83	11.54	7.96
chr1	242706	244416	2.55	8.71	12.36	12.34
chr1	244482	247739	0	0	0	0
chr1	247947	249871	14.74	7.95	0	0
chr1	250030	254765	17.53	23.08	12.8	40.02
chr1	254990	256645	0	0	0	0
chr1	257213	259267	10.59	34.71	9.06	16.94
chr1	259834	260883	255.04	30.7	84.09	30.79
chr1	261641	262105	0	0	0	0
chr1	262393	263670	0	0	0	0
chr1	264134	268025	0.02	0.49	0.02	0.51
chr1	269010	275080	0	0	1.2	6.23
chr1	275353	276447	46.98	51.55	6.55	16.27
chr1	276586	286343	25.43	13.18	18.86	19.52
chr1	286357	287938	93.52	68.18	23.59	27.77
chr1	288072	288911	0	0	0	0
chr1	289094	290679	0	0	0	0
chr1	290711	295494	4.53	12.13	11.36	26.01
chr1	295536	296697	0	0	1.18	18.35
chr1	297982	306722	12.49	8.55	20.3	23.01
chr1	307127	307903	36.09	37.11	14.08	49.23
chr1	307904	311767	0	0	16.59	20.55
chr1	312691	315040	0	0	0	0
chr1	315224	316537	20.23	17.29	15.6	17.29
chr1	316834	317775	6.87	24.55	16.11	63.97
chr1	318261	318578	0.51	27.13	26.71	77.29
chr1	318767	320247	4.32	10.07	22.76	34.8
chr1	320929	321885	67.71	67.57	29.2	10.88
chr1	321886	329815	8.93	11.92	13.27	14.96
chr1	329839	330174	0	0	0	0
chr1	330932	333209	0.13	10.32	0	0
chr1	333440	334843	0	0	0	0
chr1	335575	338582	0	0	1.08	8.81
chr1	339347	340445	0	0	0	0
chr1	340782	341996	0	0	0.3	25.21
chr1	342415	351330	0	0	0	0.21
chr1	351331	352676	0.17	8.25	5.49	27.43
chr1	352785	354769	0	0	0	0
chr1	354837	357607	5.03	14.33	2.52	19.78
chr1	357622	358406	0.04	3.95	29.12	48.34
chr1	358829	360522	17.77	6.73	11.96	6.73
chr1	360594	365484	42.09	21.74	17.94	17.06
chr1	365999	368402	38.85	31.04	19.43	31.04

chr1	368406	370099	0	0	0	0
chr1	370233	371350	0	0	7.27	20.68
chr1	371595	373169	14	9.34	0	0
chr1	373170	378299	11.65	16.1	6.87	15.52
chr1	378300	381337	11.75	12.35	16.14	12.31
chr1	381641	382892	0	0	0	0
chr1	382902	384745	0	0	0	0
chr1	384839	397160	11.12	11	10.58	13.02
chr1	397410	398495	0	0	0	0
chr1	398833	400071	0	0	19.1	5.25
chr1	400327	401757	17.55	27.48	2.8	17.34
chr1	402023	405448	77.86	18.07	79.34	24.58
chr1	405615	408245	0	0	0	0
chr1	408711	413387	0	0	0	0
chr1	413680	415068	0	0	22.1	23.99
chr1	416294	417393	0	0	0	0
chr1	417420	426159	8.34	4.29	13.64	6.24
chr1	426409	427338	0	0	0	0
chr1	427557	429227	0	0	0	0
chr1	429307	431137	0	0	0	0
chr1	431598	435935	2.23	7.84	2.48	15.68
chr1	436211	443775	10.46	16.45	12.51	20.89
chr1	443790	445860	0	0	0	0
chr1	445861	451690	12.92	10.52	19.8	35.75
chr1	452041	453728	0	0	0	0
chr1	453729	455634	32.26	19.74	26.75	19.69
chr1	455679	456767	0	0	0	0
chr1	457243	458876	0	0	0	0
chr1	459130	461655	26.7	16.36	15.72	16.32
chr1	462433	463971	15.53	12.16	23.2	36.8
chr1	466186	467409	0	0	0	0
chr1	467424	470676	1	6.8	9.26	6.8
chr1	470677	472430	0	0	0	0
chr1	472778	475922	7.37	2.64	9.37	2.64
chr1	476085	483497	0.32	2.27	4.24	15.06
chr1	483896	487278	8.55	15.43	11.93	38.82
chr1	490090	490782	0	0	0	0
chr1	492886	494883	0.04	1.05	0	0
chr1	495246	498052	8.59	11.23	1.85	11.23
chr1	498053	502527	22.38	19.02	10.99	12.23
chr1	502528	505120	17.67	28.9	46.85	53.67
chr1	505995	506762	0	0	0	0
chr1	506846	514906	1.21	3.33	0	0
chr1	515182	517044	9.74	15.63	0.65	7.52
chr1	517053	518446	314.15	56.14	275.09	64.68
chr1	518533	521177	1.26	8.17	5.93	28.63
chr1	522406	528298	11.43	12.19	13.67	13.31
chr1	528502	534013	21.13	12.61	20.72	20.92
chr1	534212	537076	190.9	47.42	80.21	56.6
chr1	537429	538425	0	0	0	0
chr1	538436	539785	16.85	21.65	0	0
chr1	539801	541086	0	0	4.05	22.26
chr1	541322	542871	31.91	56.29	35.65	56.17
chr1	543428	545228	47.67	49.11	120.82	62.17
chr1	545534	546928	154.95	69.51	117.68	79.41
chr1	547744	553281	0.01	0.72	2.33	9.36
chr1	553283	554953	0	0	0	0
chr1	556394	558176	522.5	61.28	497.5	70.15
chr1	558732	569698	1506.54	35.88	784.78	36.25
chr1	569710	572050	15.56	31.75	12.62	31.75
chr1	573108	573833	106.62	78.76	57.61	78.76
chr1	575179	581678	7.68	9.36	8.79	15.05
chr1	582244	584918	6.06	9.2	0.14	2.43
chr1	585070	589344	74.81	70.26	75.43	76.51
chr1	589417	594695	3	14.74	6.91	20.01

chr1	594696	596618	243.87	61.55	1029.98	86.89
chr1	596715	599004	1.36	18.09	11.15	4.33
chr1	599228	599476	0	0	0	0
chr1	600106	601730	14.77	47.66	0	0
chr1	601813	603085	7.33	16.82	0	0
chr1	603755	604077	1.85	1.55	1.01	1.55
chr1	604367	605531	4.22	43.64	2.76	9.19
chr1	605561	607485	98.98	53.79	34.88	58.73
chr1	607810	612219	21.68	16.85	13.52	23.54
chr1	612240	614350	8.97	20.05	0	0
chr1	615328	615743	1.16	1.93	0	0
chr1	616551	618044	131.42	66.51	128.23	75.89
chr1	619635	621113	15.59	35.59	14.66	70.16
chr1	621346	622277	2.64	29	51.49	71.97
chr1	622551	626129	0	0	0	0
chr1	630138	631459	0	0	0	0
chr1	631904	632926	20.75	13.31	5.65	13.31
chr1	633364	639722	7.71	12.58	20.92	24.03
chr1	639723	642159	25.62	61.08	68.64	64.78
chr1	642804	644711	0	0	0	0
chr1	645283	647604	280.46	53.68	59.07	61.01
chr1	647613	650493	0	0	0	0
chr1	650787	651561	0	0	0	0
chr1	651611	652229	0	0	0	0
chr1	652668	664057	88.78	21.49	50.33	22.71
chr1	664743	673186	20.16	14.82	42.45	41.57
chr1	673473	674286	0	0	0	0
chr1	674323	675733	110.49	53.33	81.47	25.82
chr1	675910	677151	65.57	17.73	32.17	19.1
chr1	677509	679118	3.16	6.46	2.3	12.68
chr1	679670	684872	2.09	6.88	87.5	16.67
chr1	684878	688553	47.2	40.16	16.67	37.85
chr1	688575	690328	29.53	37.14	54.75	47.92
chr1	690350	693689	4.32	15.6	2.74	9.79
chr1	694071	698139	2.15	4.94	1.46	26.23
chr1	698297	700478	74.95	22.33	0.2	10.09
chr1	700480	704057	15.9	22.56	3.69	22.03
chr1	704072	709968	81.36	25.14	134.65	43.3
chr1	710028	719467	11.76	15.07	10.94	8.88
chr1	719906	721951	0	0	9.78	28.46
chr1	722152	725517	14.9	13.61	14.55	20.12
chr1	725683	727860	17.38	22.37	44.57	24.8
chr1	727929	728558	0	0	0	0
chr1	729247	731263	0	0	0	0
chr1	731947	735128	0	0	0	0
chr1	735491	736543	0	0	23.58	34.89
chr1	736907	739477	32.85	17	13.65	26.85
chr1	740011	742372	1.85	11.22	4.51	23.8
chr1	742551	747947	3.65	16.42	11.62	26.37
chr1	748111	754221	13.22	17.41	3.51	22
chr1	756295	758369	24	33.56	5.41	10.9
chr1	758971	763828	5.12	5.66	0	0
chr1	764223	769573	1.06	3.31	6.14	8.71
chr1	769956	774218	133.23	24.05	129.53	36.41
chr1	774547	776721	0	0	31.79	45.08
chr1	777132	778321	37.85	47.18	45.68	47.35
chr1	778533	780476	0	0	0	0
chr1	784190	787781	156.33	61.13	177.28	45.61
chr1	788258	789187	10.87	25.94	0	0
chr1	789363	790660	6.27	31.77	10.14	42.41
chr1	790760	792257	15.9	15.36	0.15	14.83
chr1	792286	793613	0	0	0	0
chr1	793641	799573	2.32	3.96	1.25	2.65
chr1	799603	801394	68.96	46.34	184.03	53.88
chr1	801414	803210	10.08	37.81	0	0

chr1	803493	806286	0.04	0.72	0.01	0.72
chr1	806379	817482	18.29	23.27	24.23	21.24
chr1	817503	819717	4.72	25.38	17.15	47.52
chr1	819718	825258	0	0	6.77	20.18
chr1	825265	827832	7.31	5.77	2.52	5.77
chr1	827833	829749	21.32	42.8	7.46	38.62
chr1	829750	834107	17.38	6.15	4.96	6.13
chr1	834198	836244	0	0	0	0
chr1	836249	838318	175.25	44.56	116.73	42.44
chr1	838319	840949	0	0	0	0
chr1	841127	842213	0	0	0	0
chr1	842235	844030	0	0	0	0
chr1	844131	845587	53.26	57.55	71.71	68.54
chr1	845622	849179	3.33	4.75	2.92	9.95
chr1	849194	853047	7.86	13.26	0	0
chr1	853205	858068	27.18	17.52	25.74	19.23
chr1	858153	860537	0	0	7.01	25.17
chr1	860551	863237	27.63	25.76	2.38	15.67
chr1	863255	863684	0	0	0	0
chr1	864282	867006	13.56	14.65	15.33	18.17
chr1	867102	870196	0	0	23.95	17.81
chr1	870594	871781	0	0	0	0
chr1	871815	873857	0	0	0	0
chr1	873858	878465	1.72	2.95	0.61	2.95
chr1	878608	878985	0	0	0	0
chr1	879248	881613	83.41	20.04	21.11	19.87
chr1	881746	887072	0	0	3.6	8.99
chr1	887095	889372	0	0	0	0
chr1	889462	891570	0	0	0	0
chr1	891593	895945	0	0	0.8	9.17
chr1	895950	897439	14.4	62.39	2.56	13.9
chr1	897735	902935	30.15	31.81	24.52	26.65
chr1	902936	906317	3.29	16.3	0.38	4.85
chr1	906468	907716	0	0	0	0
chr1	907997	911895	0	0	0	0
chr1	913167	915461	10.07	24.15	30.87	43.68
chr1	916657	917762	4.51	18.1	24.74	47.69
chr1	918280	920430	0	0	10.55	9.3
chr1	920770	924180	14.42	30.06	22.26	39.06
chr1	924181	928720	4.55	17.32	0.09	4.25
chr1	929136	942478	4.26	5.68	4.35	5.19
chr1	942709	944877	0	0	6.49	14.3
chr1	944916	946136	0	0	0	0
chr1	946500	950383	1.53	7.73	3.77	11.74
chr1	950880	953670	0	0	5.42	15.16
chr1	953688	955977	0	0	0	0
chr1	956304	957170	0	0	8.27	48.04
chr1	957416	962120	3.93	3.47	0.07	3.32
chr1	963023	965741	14.31	33.3	21.44	32.12
chr1	966984	968066	27.88	52.68	12.37	26.25
chr1	970871	972237	0	0	0	0
chr1	973573	984134	0	0	1.04	2.08
chr1	984832	986517	0	0	0	0
chr1	986867	988174	0	0	2.93	31.68
chr1	988259	991133	0	0	0	0
chr1	991134	993379	102.55	50.56	109.21	46.64
chr1	993555	996351	0.93	7.19	7.59	7.19
chr1	996627	998416	0	0	0	0
chr1	998435	1003305	0	0	0	0
chr1	1004192	1005104	33.35	57.57	66.03	49.01
chr1	1005538	1013277	9.89	6.86	9.69	7.4
chr1	1013437	1016737	26.43	28.48	48.41	32.85
chr1	1016903	1019085	3.31	8.75	5.69	31.9
chr1	1019114	1020975	4.56	9.3	23.01	35.41
chr1	1021237	1022588	0	0	0	0

chr1	1022589	1025196	25.57	15.34	15.27	20.1
chr1	1025210	1028111	0	0	0.82	10.89
chr1	1028112	1029680	0	0	0	0
chr1	1029733	1031175	14.18	34.47	0	0
chr1	1031290	1033567	2.65	17.74	7.87	27.4
chr1	1034131	1036402	0	0	1.52	9.03
chr1	1036669	1038893	15.11	34.76	37.55	45.86
chr1	1038894	1040273	3.21	9.28	0	0
chr1	1040720	1047516	0.36	6.33	7.19	23.01
chr1	1047835	1048533	0	0	0	0
chr1	1049084	1050540	4.49	8.52	21.14	20.88
chr1	1050792	1052264	102.48	65.62	88.69	73.57
chr1	1052473	1057382	0.51	3.63	0.68	5.74
chr1	1057411	1064129	1.89	12.62	5.99	3.29
chr1	1064193	1066978	0	0	0.54	5.06
chr1	1066993	1069969	42.24	21.77	31.65	35.95
chr1	1070201	1074065	7.4	19.25	20.81	25.83
chr1	1075443	1077569	204.56	69.33	145.29	88.57
chr1	1078675	1079610	117.64	60	37.51	53.9
chr1	1080121	1081449	0	0	0	0
chr1	1081937	1084570	0	0	8.41	23.05
chr1	1084571	1087354	292.38	29.82	62.5	29.75
chr1	1087522	1089477	0	0	0	0
chr1	1090015	1090845	0	0	0	0
chr1	1091006	1096930	0	0	0	0
chr1	1097761	1100137	0	0	1.77	9.43
chr1	1100479	1103487	2.24	7.81	1.27	7.01
chr1	1103488	1105822	25.41	17.91	11.2	17.91
chr1	1105823	1109159	44.65	47.72	49.49	31.65
chr1	1109305	1112081	26.87	43.77	28.62	47.73
chr1	1112495	1114480	11.34	5.09	0	0
chr1	1114481	1118407	12.81	16.28	15.64	12.18
chr1	1118726	1120050	0	0	0	0
chr1	1120312	1125472	0	0	2.92	16.2
chr1	1125542	1127912	3.75	14.85	1.71	14.73
chr1	1128302	1129663	0	0	0	0
chr1	1130356	1132100	0	0	0	0
chr1	1133017	1134678	0	0	0	0
chr1	1134855	1139688	0	0	0	0
chr1	1140089	1141069	0	0	0	0
chr1	1141884	1148307	23.13	28.85	8.89	11.51
chr1	1148548	1149823	75.01	51.92	14.17	12.63
chr1	1150702	1152171	15.71	35.74	17.76	51.06
chr1	1152707	1154873	29.2	17.17	2.27	13.11
chr1	1155251	1156937	11.25	5.46	10.77	5.46
chr1	1156961	1158917	0	0	24.58	26.74
chr1	1159592	1162752	5.51	9.21	5.39	9.21
chr1	1162848	1164129	0	0	0	0
chr1	1164130	1165109	0	0	0	0
chr1	1165175	1166372	63.99	32.83	8.53	43.19
chr1	1166373	1168659	36.87	21.22	0	0
chr1	1168690	1172225	32.63	52.93	50.68	57.03
chr1	1172281	1173562	0	0	0	0
chr1	1173979	1175166	0	0	0	0
chr1	1175186	1179008	40.21	15.41	10.76	4.34
chr1	1179699	1180306	1.63	12.69	1.92	12.69
chr1	1180547	1181524	38.11	50.46	22.22	33.37
chr1	1181699	1183067	0	0	0	0
chr1	1183316	1185333	20.08	13.19	33.67	45.96
chr1	1185334	1187525	51.59	26.88	38.76	32.68
chr1	1188040	1189359	7.86	16.76	1.43	39.12
chr1	1190349	1191737	0	0	0	0
chr1	1192158	1194249	21.39	66.04	24.53	47.97
chr1	1195110	1196773	0	0	45.53	56.22
chr1	1197154	1198941	2.15	8.95	0	0

chr1	1199061	1200764	0	0	0	0
chr1	1201751	1204120	0	0	3.11	17.73
chr1	1204131	1205533	0	0	0	0
chr1	1205792	1209580	0	0	6.85	19.06
chr1	1209739	1213153	0	0	0	0
chr1	1213263	1214962	164.13	71.81	84.72	71.69
chr1	1216237	1217688	18.07	26.53	77.16	63.96
chr1	1217701	1218520	0	0	0	0
chr1	1218954	1221260	50.08	17.69	34.65	16.87
chr1	1221473	1226106	4.75	3.65	2.33	3.65
chr1	1226423	1230138	0	0	0	0
chr1	1230800	1234193	73.6	35.48	47.25	46.01
chr1	1235151	1237623	0	0	0	0
chr1	1237641	1239823	0	0	0	0
chr1	1240155	1243181	390.6	58.13	696.95	45.54
chr1	1243182	1248815	8.69	11.4	130.79	17.68
chr1	1249613	1251325	0	0	0	0
chr1	1251798	1252562	0	0	0	0
chr1	1252652	1254631	89.13	40.73	97.53	56.09
chr1	1254643	1257055	15.99	14.64	30.92	19.32
chr1	1257815	1261057	23.02	35.63	14.78	23.81
chr1	1261071	1266966	7.5	14.22	9.29	20.27
chr1	1267247	1271887	54.69	67.39	193	54.87
chr1	1272304	1274021	0	0	0	0
chr1	1274147	1277131	0	0	0	0
chr1	1277135	1280388	0	0	0	0
chr1	1280400	1282838	0.05	2.71	0	0
chr1	1282839	1285007	61.65	57.06	20.21	9.59
chr1	1285162	1286861	10.36	18.6	4.13	27.55
chr1	1286875	1289109	0	0	0	0
chr1	1289986	1292497	3.27	9.28	9.56	21.03
chr1	1293173	1298910	57.22	14.64	24.04	12.69
chr1	1298946	1301802	0	0	6.05	9.1
chr1	1301932	1304061	0	0	0	0
chr1	1304597	1308448	20.86	33.42	211.8	25.92
chr1	1309886	1315997	8.91	2.03	5.53	8.77
chr1	1316069	1317509	1.06	27.29	0	0
chr1	1318358	1321746	0	0	0	0
chr1	1322078	1322681	99.95	60.7	44.1	61.03
chr1	1324349	1326749	0	0	0.01	1.42
chr1	1327102	1329812	23.35	16.49	0	0
chr1	1330172	1333331	0	0	0	0
chr1	1334207	1338409	26.2	12.71	21.7	17.06
chr1	1339716	1340096	0	0	0	0
chr1	1340872	1346629	0.01	0.33	0	0
chr1	1346808	1349277	16.38	11.71	12.44	24.95
chr1	1349418	1351421	5.73	20.92	6.03	30.25
chr1	1351947	1356130	26.68	16.14	8.47	15.61
chr1	1357327	1358337	52.02	74.75	7.96	62.38
chr1	1358902	1359357	0	0	0	0
chr1	1360095	1361154	0	0	0	0
chr1	1361357	1363201	0	0	0	0
chr1	1363202	1365243	0	0	3.46	9.16
chr1	1365327	1368464	1.48	8.38	12.28	8.38
chr1	1368465	1370050	0	0	0	0
chr1	1370086	1372367	20	28.89	48.42	37.53
chr1	1372681	1374609	38.35	33.82	24.44	51.66
chr1	1375145	1376983	0	0	0	0
chr1	1377910	1380484	0	0	0	0
chr1	1380548	1383657	5.98	11.61	2.79	11.58
chr1	1383953	1385894	3.41	7.57	0.31	7.57
chr1	1385917	1395202	0.2	5.41	1.07	5.82
chr1	1395218	1397329	0	0	0	0
chr1	1397558	1400298	0	0	0	0
chr1	1400376	1402889	6.03	11.58	11.82	16.75

chr1	1403408	1405167	0	0	0	0
chr1	1405753	1407873	11.62	15.33	0	0
chr1	1408445	1411768	4.81	16.04	9.77	22.06
chr1	1412060	1413304	0	0	0.54	17.85
chr1	1413532	1415343	3.34	12.64	17.68	25.07
chr1	1415727	1416900	0	0	0	0
chr1	1417779	1420729	0	0	0	0
chr1	1421178	1424442	0.02	1.16	0.24	1.16
chr1	1425067	1426678	0	0	0	0
chr1	1426893	1433954	0.77	1.8	1.35	6.33
chr1	1434356	1435703	0	0	0	0
chr1	1436143	1437557	0	0	0	0
chr1	1438383	1442173	5.17	11.03	0.94	6.7
chr1	1457951	1459378	0	0	0	0
chr1	1463297	1463716	0	0	0	0
chr1	1474370	1475410	0	0	0	0
chr1	1476877	1477964	0	0	0	0
chr1	1486098	1487652	0	0	0	0
chr1	1491307	1499014	1.29	7.85	10.95	14.73
chr1	1499033	1502055	0	0	0.01	0.63
chr1	1502388	1503933	0	0	2.4	13.2
chr1	1504259	1506484	3.56	8.81	0.22	8.81
chr1	1507737	1508174	0	0	0	0
chr1	1508888	1510640	0	0	0	0
chr1	1511488	1514702	0	0	13.12	22.03
chr1	1514728	1519549	0.12	4.54	0.98	12.98
chr1	1521086	1529295	0	0	0	0
chr1	1529549	1532338	36.48	25.46	74.11	39.44
chr1	1532886	1540432	11.16	17.84	12.29	18.86
chr1	1540634	1544910	0	0	0	0
chr1	1545003	1551784	0	0	0	0
chr1	1551832	1557037	0.29	7.17	0.22	4.55
chr1	1557402	1558417	5.18	42.07	0	0
chr1	1558793	1559531	0	0	0	0
chr1	1559593	1562460	0	0	0	0
chr1	1562736	1572557	12.88	7.85	6.22	6.99
chr1	1572653	1574910	0.02	2.08	0	0
chr1	1575058	1579726	51.32	23.18	24.23	28.34
chr1	1580405	1584452	7.93	5.49	6.36	11.42
chr1	1584567	1586098	0	0	0	0
chr1	1587238	1591107	18.71	12.54	21.12	19.95
chr1	1592222	1597550	9.98	11.94	19.81	16.7
chr1	1598885	1600092	46.85	50.12	77.14	17.65
chr1	1601013	1604220	11.06	20.7	28.16	24.73
chr1	1604268	1606797	12.27	10.48	67.84	27.2
chr1	1606907	1608253	0	0	0	0
chr1	1608264	1609581	0	0	0	0
chr1	1609762	1613523	7.17	13.13	48.37	29.75
chr1	1615028	1615363	0.13	12.84	0	0
chr1	1615572	1617856	1.96	5.3	0	0
chr1	1618000	1620636	0	0	0	0
chr1	1620637	1625970	0	0	0	0
chr1	1627406	1627897	0	0	0	0
chr1	1628780	1635526	0	0	0	0
chr1	1635628	1640457	6.97	4.04	8.13	4.06
chr1	1640926	1644563	1.02	4.37	14.97	15.42
chr1	1644779	1645240	0	0	0	0
chr1	1645937	1650650	18.33	24.55	51.86	25.76
chr1	1651439	1652858	0	0	0	0
chr1	1653181	1658019	227.62	19.45	29.58	23.01
chr1	1658098	1660673	0	0	6.33	7.42
chr1	1664444	1669463	270.95	61.79	166.5	67.3
chr1	1669538	1672897	0.63	6.25	9.85	37.09
chr1	1675626	1680062	114.26	32.6	79.62	48.15
chr1	1683058	1683561	0	0	0	0

chr1	1683581	1689613	0.07	1.41	0.28	4.33
chr2	1610	3678	0	0	0	0
chr2	5724	7757	201.82	70.63	133.35	53.76
chr2	8119	11095	79.1	46.98	76.72	49.76
chr2	11113	13250	20.76	31.07	20.68	41.09
chr2	13251	15789	0.01	0.75	1.99	7.49
chr2	16593	19879	12.44	9.46	37.09	15.79
chr2	19880	22579	29.33	19.3	268.75	25.19
chr2	22616	28490	0	0	0	0
chr2	28538	32200	5.73	5.08	10.66	25.75
chr2	33407	42106	0	0	0	0
chr2	42821	47075	22.16	15.68	24.81	28.82
chr2	48171	53159	0	0	0	0
chr2	53252	56977	8.67	8.75	8.71	8.75
chr2	57701	61325	0	0	0	0
chr2	61648	65481	0	0	0	0
chr2	66963	69814	7.41	4.45	14.03	8.91
chr2	69816	76609	2.59	2.55	40.78	8.95
chr2	76744	81029	4.93	14.4	2.94	4.08
chr2	81398	82837	0	0	0	0
chr2	83375	85853	0	0	0.99	4.4
chr2	86201	86566	0	0	0	0
chr2	86730	88404	0	0	0	0
chr2	88535	92321	0	0	0.79	6.02
chr2	92322	95961	10.38	13.85	30.59	24.1
chr2	97003	99583	11.91	12.75	38.36	37.56
chr2	99719	102974	0	0	0	0
chr2	103535	107279	112.55	35.02	123.26	55.64
chr2	107305	109017	0	0	11.35	18.46
chr2	109480	113239	34.9	20.7	17.49	20.09
chr2	113507	114856	131.23	29.95	19.94	14.53
chr2	115334	118107	0	0	0	0
chr2	118198	121673	0	0	0	0
chr2	123349	128891	13.72	5.34	9.22	6.44
chr2	129033	130448	0	0	7.62	23.18
chr2	130534	132735	0	0	0	0
chr2	132736	137408	6.48	7.71	5.48	7.71
chr2	138197	143422	1.62	6.85	0	0
chr2	144004	146704	0	0	0	0
chr2	147124	149363	0	0	0	0
chr2	149524	152720	0	0	3.61	9.42
chr2	152740	154365	0	0	0	0
chr2	154732	155985	39.94	35.36	0	0
chr2	156412	158531	0	0	0	0
chr2	158532	162734	6.39	16.44	0.81	5.16
chr2	162960	166373	0	0	0	0
chr2	167110	168946	0	0	0	0
chr2	168970	174460	17.79	15.59	12.99	27.21
chr2	175204	177978	0.31	5.59	0.36	3.46
chr2	178119	181682	0	0	2.82	12.99
chr2	181685	187050	0	0	1.82	10.89
chr2	187609	188555	0	0	14.99	44.19
chr2	190814	193665	0	0	0	0
chr2	193667	196422	4.07	8.93	22.68	25.3
chr2	196439	199655	0	0	0	0
chr2	199656	204520	0	0	0.39	2.3
chr2	204619	207744	23.89	29.44	44.39	25.89
chr2	208338	210305	9.15	30.15	14.57	30.15
chr2	210306	212472	0	0	0	0
chr2	212675	215998	0	0	1.03	17.57
chr2	216088	224040	0	0	0	0
chr2	224066	226808	7.3	9.66	7.76	12.73
chr2	227408	228621	2306.5	16.9	0	0
chr2	228651	233677	0	0	9.17	21.15
chr2	233708	234582	2.5	27	8.94	92.11

chr2	234592	235708	18.66	19.44	17.24	26.52
chr2	236247	239959	4.68	16.78	2.33	16.78
chr2	240231	243245	0	0	0	0
chr2	243246	245311	5.73	14.96	0	0
chr2	246038	249323	0	0	0	0
chr2	249455	250177	0	0	0	0
chr2	250754	258304	0	0	0	0
chr2	258305	261068	0	0	0	0
chr2	261075	261424	0	0	0	0
chr2	261425	265900	3.01	9.45	11.08	11.33
chr2	266308	269143	9.27	10.72	0	0
chr2	269939	273303	3.71	7.55	0	0
chr2	273400	276237	0	0	0	0
chr2	276687	279361	0	0	0	0
chr2	279377	284434	29.28	27.98	9.46	27.57
chr2	284679	287707	0	0	0.01	0.63
chr2	287708	290450	2.42	12.29	2.91	11.74
chr2	290451	291804	85.13	14.04	51.88	14.12
chr2	292032	293404	0	0	16.54	54.15
chr2	293426	294301	0	0	0	0
chr2	294826	299443	0	0	1.77	5.8
chr2	299454	301955	12.2	21.51	7.61	20.35
chr2	302090	304570	10.2	21.98	1.29	10.08
chr2	304884	306348	46.05	56.08	54.52	66.87
chr2	306866	307549	74.82	58.27	42.42	75.26
chr2	307917	309869	59.7	61.68	13.55	47.64
chr2	310309	313572	0	0	0	0
chr2	314075	316095	0	0	0	0
chr2	316232	316819	8.34	48.21	31.3	48.21
chr2	317342	319381	48.47	26.88	33.4	37.67
chr2	319555	323328	64.31	54.81	46.25	27.17
chr2	325342	328763	0	0	0	0
chr2	329160	336823	10.84	7.1	3.3	10.04
chr2	337064	344498	0	0	2.74	5.96
chr2	345186	350117	14.92	35.83	9.43	25.33
chr2	350156	352709	11.06	20.21	1.27	16.53
chr2	353124	354528	45.88	29.34	76.18	54.27
chr2	355562	357886	0	0	18.76	30.85
chr2	358581	360362	0	0	0	0
chr2	360400	361324	0.05	2.6	13.82	25.43
chr2	361411	363284	0.01	1.12	0	0
chr2	363318	365033	0.04	4.37	0	0
chr2	365047	367597	59.36	43.22	6.31	26.39
chr2	367602	370957	18.02	9.75	14.05	19.25
chr2	370958	374935	0	0	0.41	3.67
chr2	375109	376359	96.23	60.8	19.2	69.28
chr2	377319	378281	0	0	0.57	12.89
chr2	378857	380572	0	0	0	0
chr2	381413	383842	0.04	1.03	0	0
chr2	383917	387224	3.34	13.27	11.42	17.08
chr2	387598	388922	0	0	0	0
chr2	388923	391894	0	0	0	0
chr2	391912	402121	27.07	25.1	27.41	27.55
chr2	402284	408999	9.35	11.68	2.16	5.88
chr2	409023	410630	0	0	0	0
chr2	410642	411055	0	0	0	0
chr2	411227	413825	28.1	32.68	23.43	42.15
chr2	413826	415740	10.5	15.94	118.04	16.04
chr2	415897	417392	0.35	8.43	36.89	30.84
chr2	417623	419814	0.02	0.87	0.37	11.41
chr2	419868	420896	54.21	41.54	91.33	100
chr2	421320	426098	33.44	25.58	29.04	27.19
chr2	426806	430427	0.01	0.52	0.01	0.52
chr2	430900	433374	0	0	0	0
chr2	433586	434953	0.75	20.85	5.28	40.09

chr2	435432	438320	0	0	3.74	12.47
chr2	438754	440115	234.66	89.42	126.15	89.05
chr2	440221	441104	84.34	68.18	40.88	92.41
chr2	441234	442340	0	0	0	0
chr2	442735	445520	558.38	49.59	23.76	42.15
chr2	447085	450133	0	0	0	0
chr2	450134	454831	4.15	3.13	18.5	35.06
chr2	454882	455553	0	0	0	0
chr2	455574	456787	0	0	0	0
chr2	457961	463949	8.51	9.35	2.46	9.02
chr2	463950	464834	7.88	44.46	56.88	44.46
chr2	464835	470178	12.26	18.1	7.15	19.11
chr2	471160	473870	150.18	33.25	95.97	52.25
chr2	473900	477695	8.94	11.78	6.42	11.78
chr2	477818	483157	43.16	26.56	36.76	28.54
chr2	483158	484414	71.74	45.38	62.73	38.54
chr2	484557	491503	0	0	0	0
chr2	491843	496977	0	0	0	0
chr2	497262	499764	354.05	36.13	409.55	43.73
chr2	499934	501267	0	0	0	0
chr2	501460	503652	0	0	4.81	11.91
chr2	503936	505561	0	0	3.15	17.72
chr2	506049	509809	0	0	0.55	2.82
chr2	510073	511259	1436.41	67.71	1051.75	89.04
chr2	511429	516708	3	3.71	1.08	11.46
chr2	516709	518844	12.07	13.21	59.69	41.22
chr2	518845	520682	0.76	4.95	1.57	16.49
chr2	520698	522443	12.03	19.89	0	0
chr2	522780	525841	10.6	7.94	4.84	11.66
chr2	526309	527985	0.02	1.13	3.56	9.79
chr2	528107	529083	6.34	19.26	66.23	44.16
chr2	530821	531393	0	0	0	0
chr2	531980	536581	0	0	0	0
chr2	536759	537469	37.16	42.96	7.59	33.8
chr2	537956	539041	8.48	8.85	192.95	50.14
chr2	539493	541061	0	0	0	0
chr2	541245	542450	0	0	0	0
chr2	542875	544366	0	0	0.09	4.69
chr2	544454	547542	0	0	0	0
chr2	547949	550138	2.84	23.85	13.13	36.96
chr2	550423	552453	0	0	4.1	10.34
chr2	552468	555793	9.63	13.41	4.27	23.82
chr2	555834	557584	19.93	10.74	0.56	4.23
chr2	558924	562163	0	0	1.83	13.06
chr2	562633	563537	0	0	0	0
chr2	563860	565255	0	0	0	0
chr2	565300	566738	0	0	0	0
chr2	566844	570984	19.1	16.84	28.38	38.04
chr2	571409	572700	0	0	0	0
chr2	573246	575076	8.63	29.4	12.79	34.26
chr2	575940	577732	0	0	0	0
chr2	577949	584108	1.43	2.32	3.46	10.23
chr2	584276	587495	27.01	36.87	20.26	21.9
chr2	587951	590524	0	0	0	0
chr2	592116	594602	0	0	0	0
chr2	594751	596279	0	0	0	0
chr2	596296	599503	1779.76	38.04	80.86	38.04
chr2	599775	600491	0	0	0	0
chr2	600818	602490	0.93	37.98	0.94	35.23
chr2	602630	604335	14.44	34.02	20.57	34.13
chr2	604445	608216	397.12	53.38	455.06	48
chr2	608238	610287	1.98	5.37	4.76	16.5
chr2	610754	611921	0	0	3.52	7.03
chr2	612287	615076	13.89	9.21	2.71	9.18
chr2	615426	616339	23.17	38.34	58.39	38.44

chr2	616958	619315	0	0	0	0
chr2	620179	623811	0	0	11.2	11.1
chr2	623842	626074	1.13	5.24	3.32	19.31
chr2	626075	635418	4.89	6.9	0.02	0.09
chr2	635419	636726	50.4	28.77	22.98	15.53
chr2	636876	638696	0	0	24.87	31.37
chr2	638911	640149	0	0	0	0
chr2	640173	641192	0	0	0	0
chr2	643644	646447	2.82	8.53	1.69	7.35
chr2	646803	648557	175.34	48.8	184.91	55.76
chr2	648657	649427	0	0	17.43	48.31
chr2	649861	650779	0	0	0	0
chr2	651060	651941	9.68	43.47	23.76	55.96
chr2	652620	653336	0	0	0	0
chr2	653455	657847	0.26	2.16	1.96	14.16
chr2	657869	661136	0.37	6.67	5	7.47
chr2	661137	664712	17.56	10.29	6.25	14.35
chr2	664812	667576	0	0	7.57	11.87
chr2	667602	673814	20.39	17.93	10.13	18.66
chr2	673866	676774	12.19	18.64	0	0
chr2	676792	679651	0.07	7	13.51	14.9
chr2	679891	681883	0	0	0	0
chr2	682076	685338	9.06	12.51	13.31	23.39
chr2	685750	686902	2.06	14.41	8.51	29.86
chr2	687059	692300	1.88	8.03	6.13	19.46
chr2	692310	694317	18.7	13.7	0.07	7.47
chr2	694397	708398	0.25	1.69	3.17	2.25
chr2	708442	710864	13.51	33.44	28.44	49.55
chr2	710966	713314	0.02	0.81	4.79	11.41
chr2	713429	714862	0	0	4.77	12.14
chr2	715240	716763	45.91	33.55	0	0
chr2	717251	720215	0	0	0	0
chr2	720277	722905	17.93	27.21	12.44	14.31
chr2	722906	724839	5.39	9.21	1.43	9.16
chr2	725151	726295	0	0	4.92	17.31
chr2	726310	733438	10.81	6.34	0.25	2.83
chr2	733675	734013	61.7	91.12	5.39	10.95
chr2	734388	735544	0	0	15.81	21.89
chr2	736129	737142	19.49	64.36	0	0
chr2	737145	740654	7.08	15.87	8.12	15.87
chr2	740782	743202	0	0	0	0
chr2	743222	745337	0	0	11.68	18.77
chr2	745484	747032	0	0	0	0
chr2	747237	750920	29.12	22.86	1.81	12.6
chr2	751268	751736	0	0	0	0
chr2	751983	753237	0	0	0	0
chr2	753238	754299	120.94	57.78	47.01	57.68
chr2	754405	758644	0.69	5.12	10.89	32.51
chr2	758659	759469	30.65	59.38	10.79	23.21
chr2	759607	761586	0	0	0	0
chr2	761726	764150	0	0	12.29	17.74
chr2	764170	765899	0	0	0	0
chr2	766322	767065	0	0	0	0
chr2	767666	768908	3.19	16.43	21.77	30.84
chr2	769282	771489	0	0	0	0
chr2	771498	778727	14.15	8.84	7.17	13.92
chr2	778728	780211	0	0	0	0
chr2	780224	782529	21.37	28.98	16.25	33.28
chr2	782678	785274	0.19	8.94	0	0
chr2	785661	788245	19.73	45.36	40.59	48.61
chr2	788719	790281	73.02	25.61	38.09	7.36
chr2	790951	793003	12.78	13.99	13.03	33.82
chr2	793942	797495	3.58	6.5	4.13	5.63
chr2	798527	802918	0	0	0	0
chr2	803282	810543	73.11	27.38	44.08	27.52

chr2	810618	812621	4.3	17.22	0	0
chr2	812622	814362	0	0	5.14	11.95
chr2	814375	817414	11.04	17.41	5.66	17.28
chr2	817527	820235	19.39	14.62	17.52	19.13
chr2	820944	822274	53.46	24.06	4.5	20.68
chr2	824929	825270	0	0	0	0
chr2	825548	827797	1.28	5.42	6.01	31.61
chr2	828553	832055	51.99	36.89	57.25	46.49
chr2	832077	834363	27.91	39.9	16.68	31.01
chr2	834364	836847	7.42	10.23	11.74	23.88
chr2	837150	840685	1383.34	68.94	1627.56	75.11
chr2	840775	842546	0	0	0	0
chr2	842562	849501	100.21	44.6	90.02	39.67
chr2	849784	854613	19.03	9.55	57.9	35.06
chr2	854624	857389	29.91	41.88	49.35	66.84
chr2	857605	859568	7.65	18.19	1.99	16.3
chr2	859573	860468	0	0	0	0
chr2	860973	865971	53.74	42.64	26.53	34.63
chr2	865972	872550	35.66	21.83	65.94	32.23
chr2	872675	876413	636.51	52.14	906.76	73.73
chr2	876414	877419	0	0	0	0
chr2	877420	880376	57.59	39.88	57.1	38.9
chr2	880546	883749	11.9	28.63	37.68	57.01
chr2	884954	885725	0	0	0	0
chr2	886268	888556	66.45	48.12	48.85	55.86
chr2	888758	890921	67.19	27.18	28.56	30.98
chr2	891263	894256	46.34	36.22	872.74	47.34
chr2	895208	896200	48.85	80.44	31.32	93.75
chr2	897672	898616	0	0	0	0
chr2	898946	902269	3.97	21.97	3.53	22
chr2	902981	903865	0	0	0	0
chr2	905060	905633	0	0	0	0
chr2	906834	907634	4.78	20.25	0	0
chr2	907904	914680	8.78	15.82	19.61	33.63
chr2	914878	917509	5.06	11.52	0.96	6.42
chr2	917878	920330	0	0	0	0
chr2	920892	922580	493.05	62.26	172.25	35.84
chr2	922985	924733	17.74	27.46	24.27	26.2
chr2	924975	927087	18.41	36.55	19.08	30.4
chr2	927703	931430	19.36	20.42	32.67	24.82
chr2	932008	933573	279.33	36.42	262.74	72.91
chr2	935420	936754	13.87	43.7	9.18	43.63
chr2	936811	937173	494.19	100	285.89	100
chr2	937489	941327	1.34	10.16	5.97	17.04
chr2	941332	945403	29.21	47.68	26.22	42.25
chr2	946742	948544	836.33	55.55	864.78	64.21
chr2	948564	949537	31.37	43.06	24.68	44.71
chr2	949911	950114	0	0	10.28	100
chr2	955326	957453	74.39	68.83	78.38	76.68
chr2	957454	959451	24.49	25.29	20.66	29.59
chr2	959452	961365	0	0	0	0
chr2	961488	963128	0	0	0	0
chr2	963175	964695	15.69	11.05	24.94	11.12
chr2	965009	966529	10.02	10.53	11.87	10.53
chr2	966565	969555	0	0	0	0
chr2	969824	972689	9.59	15.92	8.81	15.92
chr2	972908	975954	5.42	7.26	3.73	7.26
chr2	979256	981652	4.63	22.2	5.52	12.9
chr2	981666	985264	28.98	12.34	18.42	19.54
chr2	987167	993950	23.97	19.74	20.92	27.14
chr2	994295	994951	284.82	97.41	548.13	100
chr2	995189	996510	0	0	9.9	26.34
chr2	996892	999535	0.05	4.69	8.55	20.28
chr2	999782	1002145	52.25	32.88	90.34	69.95
chr2	1002780	1004644	147.7	85.03	164.08	90.45

chr2	1006694	1008967	0	0	0	0
chr2	1009515	1013438	6.21	10.15	0.17	0.79
chr2	1014608	1016140	0	0	0	0
chr2	1016176	1018405	1.36	8.57	4.09	19.25
chr2	1018581	1020215	0	0	17	38.74
chr2	1020756	1030781	5.82	4.93	5.39	10.82
chr2	1031332	1034112	18.01	25.94	17.16	25.94
chr2	1034643	1036892	119.74	62.87	64.56	27.39
chr2	1036925	1043143	6.71	7.67	4.78	13.73
chr2	1043482	1045627	10.67	12.91	0.02	2.47
chr2	1045807	1047626	0.24	2.03	0	0
chr2	1049770	1052944	11.98	19.16	1.22	12.32
chr2	1053002	1058116	0	0	0	0
chr2	1058565	1062682	0	0	0	0
chr2	1063548	1068237	7.56	10.45	2.82	19.75
chr2	1068238	1069688	0	0	3776.64	36.76
chr2	1069943	1074563	19.16	4.72	10.01	22.99
chr2	1074564	1077369	8.45	15.26	21.98	27.84
chr2	1078520	1079520	0	0	0	0
chr2	1079709	1080641	0	0	0.04	2.15
chr2	1081865	1083404	0	0	0	0
chr2	1083518	1083903	0	0	0	0
chr2	1084369	1086935	0	0	0	0
chr2	1088668	1091787	2.31	4.3	7.44	10.04
chr2	1092224	1093235	0	0	4.29	16.82
chr2	1093415	1100694	3.18	2.49	1.7	10.78
chr2	1102214	1102822	227.41	81.91	119.23	97.86
chr2	1102894	1103418	0	0	0	0
chr2	1103514	1105885	0	0	2.25	5.02
chr2	1105886	1110113	5.36	8.09	11.72	8.09
chr2	1110114	1113529	10.66	19.74	2.67	7.96
chr2	1113542	1118797	0	0	0	0
chr2	1118964	1124775	35.31	27.83	41.23	32.35
chr2	1124776	1128367	69.41	21.8	81.28	27.74
chr2	1128647	1130387	9.28	9.2	1.9	9.2
chr2	1131253	1132952	0	0	0	0
chr2	1133862	1146089	5.21	9.29	0.73	6
chr2	1146453	1150144	0	0	0	0
chr2	1150419	1151277	0	0	0	0
chr2	1151334	1153148	0	0	0	0
chr2	1153149	1154461	0	0	0	0
chr2	1154820	1158546	1.72	7.25	5.95	16.02
chr2	1159098	1162085	5	5.32	2.84	5.32
chr2	1162459	1162977	0	0	11.99	44.79
chr2	1163240	1164442	0	0	16.62	29.12
chr2	1164805	1165461	0	0	13.98	59.76
chr2	1165707	1166799	0	0	0	0
chr2	1167074	1168021	8.41	24.39	7.83	24.18
chr2	1168140	1170554	0.04	4.14	3.17	6.88
chr2	1170749	1172003	0	0	0	0
chr2	1172004	1173481	9.11	22	6.74	19.97
chr2	1173594	1176599	0	0	0	0
chr2	1176987	1182773	0	0	0	0
chr2	1183037	1187515	0	0	0	0.45
chr2	1187706	1188113	0	0	0	0
chr2	1188508	1190224	0	0	23.83	20.45
chr2	1190681	1194349	15.54	19.19	7.69	28.57
chr2	1195077	1197278	1.29	4.13	3.19	23.81
chr2	1197818	1200861	0	0	0	0
chr2	1200969	1204338	21.23	22.74	10.11	14.31
chr2	1204999	1205274	38.61	92.36	0	0
chr2	1205654	1207276	72.86	29.1	18.94	41.31
chr2	1207645	1208412	0.72	14.6	9.82	14.73
chr2	1209281	1212466	18.28	16.8	2.47	5.37
chr2	1212479	1215093	0	0	0	0

chr2	1215094	1223797	17.14	22.48	12.51	26.05
chr2	1223798	1226167	0	0	0	0
chr2	1226168	1227813	0	0	0	0
chr2	1227949	1230556	0	0	19.59	33.72
chr2	1230557	1233789	18.38	42.95	3.43	1.95
chr2	1234259	1235810	0.84	8.06	6.88	21.66
chr2	1236995	1237714	17.17	38.39	7.48	35.33
chr2	1238997	1240795	112.51	20.75	1.3	10.57
chr2	1241432	1242700	0	0	0	0
chr2	1243096	1244663	2.85	11.81	18.34	44.35
chr2	1244664	1246595	0	0	24.21	32.26
chr2	1246639	1252431	17.87	13.64	19.37	13.88
chr2	1252432	1255472	0	0	3.1	5.79
chr2	1255516	1260964	0	0	0	0
chr2	1261059	1271053	1.47	2.48	0.37	1.68
chr2	1271782	1274943	2.61	4.87	1.28	12.5
chr2	1275562	1278083	0.15	1.55	0.03	0.87
chr2	1278092	1278469	0	0	1.81	38.46
chr2	1279106	1280396	0	0	0	0
chr2	1280752	1281810	0	0	0	0
chr2	1282157	1284108	11.58	24.19	14.22	26.14
chr2	1284635	1285689	0	0	0	0
chr2	1285950	1286822	0	0	0	0
chr2	1286850	1288939	17.05	20.01	8.77	40.55
chr2	1289664	1291835	8.82	10.69	8.02	10.59
chr2	1292775	1294810	136.09	25.16	32.18	26.98
chr2	1295273	1298533	0	0	0	0
chr2	1298882	1303730	0	0	0	0
chr2	1303865	1309286	17.43	13.1	34.49	19.9
chr2	1309287	1311906	0	0	0	0
chr2	1312035	1314779	11.23	13.3	13.81	11.63
chr2	1314848	1316153	30.37	50.19	54.17	36.63
chr2	1316724	1317104	34.83	28.16	21.76	34.21
chr2	1317472	1318862	6.33	33.45	6.98	33.45
chr2	1319672	1320880	40.3	20.12	6.97	20.12
chr2	1321288	1322610	11.29	16.11	5.31	24.58
chr2	1323263	1323646	0	0	0	0
chr2	1323694	1324770	0	0	0	0
chr2	1324842	1327234	61.13	42.68	33.09	47.95
chr2	1327463	1327862	22.37	40.6	6.73	27.32
chr2	1329338	1333563	11.43	25.78	15.11	40.5
chr2	1333597	1339111	0.01	0.34	0.01	0.34
chr2	1339531	1340082	44.28	65.52	0.86	21.6
chr2	1340377	1341732	0	0	0	0
chr2	1342138	1344285	0	0	0	0
chr2	1345230	1347287	63.45	35.49	54.43	60.62
chr2	1348068	1353890	24.33	11.23	18.3	18.7
chr2	1354105	1356886	0	0	0	0
chr2	1357375	1360218	0	0	6.21	7.49
chr2	1360402	1361347	117.24	85.19	95.14	65.5
chr2	1361348	1363488	19.59	25.75	3.94	10.19
chr2	1363502	1364463	0	0	0	0
chr2	1364464	1368417	6.05	12.47	1.15	14.42
chr2	1368435	1372010	23.79	28.34	4.41	11.78
chr2	1372096	1377801	8.35	9.64	3.73	13.95
chr2	1378059	1381139	3.48	13.54	5.41	28.7
chr2	1381152	1383402	19.45	48.58	15.91	41.11
chr2	1383824	1386593	24.71	15.42	6.97	9.75
chr2	1387342	1390415	0	0	0	0
chr2	1390858	1392289	26.53	52.76	44.79	27.39
chr2	1392458	1394473	0	0	0	0
chr2	1394816	1395856	0	0	0	0
chr2	1396407	1397405	0	0	0	0
chr2	1397848	1401242	0	0	4.21	6.31
chr2	1402085	1402806	0	0	0	0

chr2	1402869	1403939	0	0	0	0
chr2	1403958	1405684	0	0	0	0
chr2	1406076	1409090	0	0	0	0
chr2	1409091	1417487	10.65	8.61	5.03	1.45
chr2	1417637	1419031	0	0	0	0
chr2	1419065	1421755	0	0	0	0
chr2	1421953	1426520	0	0	0	0
chr2	1426668	1429822	1.91	5.17	0	0
chr2	1430059	1431525	0	0	0	0
chr2	1431924	1434702	0	0	0	0
chr2	1434827	1435186	0	0	0	0
chr2	1435198	1436518	0	0	0	0
chr2	1436966	1437641	0	0	0	0
chr2	1437666	1439100	0	0	0	0
chr2	1439106	1443892	0	0	14.14	16.19
chr2	1443893	1447206	5.89	8.78	1.24	8.78
chr2	1447825	1448898	0.88	19.57	1.74	19.57
chr2	1449879	1450969	936.88	88.72	879.69	88.9
chr2	1451501	1453810	989.36	90.82	1067.24	92.46
chr2	1454750	1455758	1228.31	87.8	1233.84	87.8
chr2	1456806	1459029	655.49	86.01	732.2	89.74
chr2	1459969	1463807	358.7	46.98	367.93	48.31
chr2	1463808	1464687	0	0	0	0
chr2	1465114	1470877	2.02	9.09	5.43	16.74
chr2	1471933	1474446	35.37	41.42	3.91	17.43
chr2	1475104	1477102	0	0	2.66	7.86
chr2	1478337	1479519	11.27	43.65	9.11	13.28
chr2	1479520	1481000	0.08	1.28	0	0
chr2	1481033	1482613	0	0	0	0
chr2	1482806	1487296	0	0	0.56	3.81
chr2	1487320	1489822	0	0	0	0
chr2	1490476	1492222	0	0	0	0
chr2	1493157	1494422	0	0	0	0
chr2	1494615	1497779	6.75	6.07	0	0
chr2	1497786	1499066	0	0	0.39	2.11
chr2	1500017	1501041	0	0	5.34	15.43
chr2	1501734	1502518	0	0	0	0
chr2	1502814	1505822	4.59	8.18	2.19	12.53
chr2	1505942	1510070	0	0	0	0
chr2	1512048	1514344	251.53	55.05	314.12	53.88
chr2	1514991	1517044	1.68	5.41	1.24	5.41
chr2	1517780	1520419	0	0	0	0
chr2	1522471	1524641	0	0	0.71	18.62
chr2	1525651	1529562	0.02	0.61	0.01	0.59
chr2	1530763	1535685	0	0	4.54	7.5
chr2	1535748	1539494	96.14	30.38	69.55	36.47
chr2	1539537	1544316	0	0	0	0
chr2	1544342	1547174	0	0	0.27	2.51
chr2	1547859	1548149	0.32	29.31	56.88	95.52
chr2	1548363	1549970	0	0	0	0
chr2	1550769	1554592	31.12	17.19	10.86	18.02
chr2	1554898	1558228	29.18	35.23	15.86	46.43
chr2	1559574	1560649	0	0	0	0
chr2	1560828	1561898	0	0	0	0
chr2	1562376	1562786	0	0	0	0
chr2	1562852	1565667	11.33	4.37	0.72	4.37
chr2	1565999	1567972	36.83	9.83	15.3	9.83
chr2	1568261	1570716	0	0	0	0
chr2	1570809	1571609	0	0	0	0
chr2	1573800	1575189	0	0	0.95	14.33
chr2	1575377	1577317	16.6	18.66	4.75	18.51
chr2	1577430	1581964	0.12	1.99	0	0
chr2	1582263	1584062	0	0	1.49	12.34
chr2	1584068	1585559	0	0	0	0
chr2	1586092	1588419	1.67	8.21	3.69	9.93

chr2	1588473	1591996	0	0	0	0
chr2	1592724	1600469	0.79	3.11	0.71	8.3
chr2	1601624	1603340	605.89	39.8	628.42	41.38
chr2	1604362	1610007	22.14	17.77	14.57	17.91
chr2	1610890	1611533	51.47	32.04	22.92	50.7
chr2	1612323	1613288	0	0	0	0
chr2	1614730	1616809	0	0	0	0
chr2	1616926	1618209	0	0	30.67	49.42
chr2	1618752	1620592	0	0	0	0
chr2	1621676	1623364	293.37	49.35	334.17	49.41
chr2	1624150	1625562	0	0	0	0
chr2	1625902	1628184	25.88	17.13	26.53	17.13
chr2	1628250	1631234	34.02	16.15	6.8	32.71
chr2	1632142	1632898	0	0	5.05	27.25
chr2	1633295	1638798	0.74	4.25	1.5	12.21
chr2	1638877	1643363	0	0	0	0
chr2	1644650	1646517	0	0	0	0
chr2	1646580	1647416	0	0	0	0
chr2	1649515	1651791	22.75	16.92	0.46	6.41
chr2	1652640	1660788	5.33	3.63	0	0
chr2	1660789	1665021	34.85	24.65	34.9	29.4
chr2	1667196	1673642	0.13	1.32	3.43	7.2
chr3	662	4485	0	0	3	10.83
chr3	4689	9130	0	0	0	0
chr3	9875	10837	0	0	0	0
chr3	11237	11653	0	0	0	0
chr3	11853	14803	4.59	5.22	31.01	12.95
chr3	16312	17546	20.77	45.54	34.1	45.79
chr3	17590	20643	0	0	1.59	7.24
chr3	23428	25471	79.06	60.21	67.94	45.03
chr3	26223	27893	4.83	17.54	1.13	13.59
chr3	28560	30785	0	0	0	0
chr3	31497	32450	0	0	0	0
chr3	33098	34880	8.11	20.09	6.13	20.09
chr3	35098	37761	35.03	20.92	68.68	17.72
chr3	38081	41685	3	5.08	0	0
chr3	41686	46070	40.79	15.15	16.87	14.01
chr3	46472	48421	0	0	0	0
chr3	49435	51825	0	0	0	0
chr3	51831	57207	0	0	0	0
chr3	57553	58755	0	0	0	0
chr3	59476	69399	7.2	4.65	0.95	2.05
chr3	70377	73532	4.37	19.37	5.53	5.32
chr3	73556	74939	323.79	45.19	291.52	55.82
chr3	75129	79158	62.31	16.16	16.74	22.81
chr3	80263	84111	34.14	20.17	33.66	26.48
chr3	85157	88240	15.48	23.16	12.36	41.75
chr3	88364	89749	105.98	16.9	90.77	16.61
chr3	89750	91514	0	0	0	0
chr3	92329	93365	0	0	0	0
chr3	94403	98732	0	0	0.01	0.69
chr3	98773	109848	0	0	0	0
chr3	110176	112026	0	0	0	0
chr3	112122	113996	0	0	3.75	9.34
chr3	114444	118296	0.01	1.04	0.32	7.04
chr3	118913	121168	0	0	0.67	6.61
chr3	121879	124690	0.01	0.71	0	0
chr3	124704	127712	0	0	0	0
chr3	128162	131461	25.52	16.31	3.55	16.19
chr3	131792	133613	0	0	0	0
chr3	134163	135655	10.41	12.8	17.28	25.94
chr3	136021	142991	0.03	1.19	0.78	2.75
chr3	143040	144955	21.32	29.3	11.22	32.06
chr3	145057	148158	14.66	15.51	3.59	21.61
chr3	148396	149745	0	0	0	0

chr3	151272	154796	30.25	40.27	29.76	22.64
chr3	157450	159387	0	0	0	0
chr3	160040	161234	0	0	0	0
chr3	161811	163247	0.02	1.88	0	0
chr3	163440	165110	0	0	0	0
chr3	167723	175450	1.92	5.42	1.4	14.46
chr3	175465	179711	2.96	8.05	3.41	12.01
chr3	180998	182383	0	0	3.55	11.12
chr3	182509	192492	12.46	20.42	18.36	27.44
chr3	192508	194543	0	0	0	0
chr3	194556	196452	0.02	1.05	0	0
chr3	196491	197447	0	0	0	0
chr3	197538	198889	0	0	0	0
chr3	198890	202395	0	0	0	0
chr3	203202	211155	33.61	16.25	56.37	26.25
chr3	211256	216897	9.72	4.01	0.14	3.76
chr3	216990	220737	0	0	1.9	6.86
chr3	220794	225605	7.09	12.03	0	0
chr3	226128	228594	2.43	5.23	22.54	5.23
chr3	228818	230033	52.82	59.59	53.95	59.59
chr3	230181	233429	1.69	16.01	1.37	17.46
chr3	234509	235354	15.11	24.5	8.09	30.53
chr3	236031	243347	6.39	25.12	2.76	12.26
chr3	243442	246084	17.33	43.72	9.86	19.91
chr3	248680	249450	0	0	0	0
chr3	249483	250315	20.03	36.06	36.67	36.06
chr3	251102	252323	0	0	0	0
chr3	261433	262878	0	0	0	0
chr3	264127	264973	0	0	0.47	18.09
chr3	265120	266859	0	0	0	0
chr3	269459	276775	6.48	25.12	2.69	12.26
chr3	277281	280690	34.62	33.94	6.93	22.18
chr3	280915	284745	0	0	0	0
chr3	285459	295460	4.34	8.29	1.51	2.2
chr3	296123	300503	107.14	26.16	12.02	17.1
chr3	300922	304587	0	0	0.02	0.55
chr3	304768	306493	232.51	53.86	138.29	53.86
chr3	306527	310036	12.81	12.65	0	0
chr3	310260	315328	0	0	0.05	2.47
chr3	315837	317038	60.38	60.7	48.17	35.22
chr3	317095	319191	0	0	0	0
chr3	319872	320462	0	0	13.72	76.95
chr3	320854	323423	5.24	13.9	8.31	11.56
chr3	323658	325094	0	0	0	0
chr3	325095	327836	28.62	14.78	26.89	20.87
chr3	327872	331148	16.29	27.14	10.23	22.31
chr3	331866	332938	53.33	31.25	38.65	31.34
chr3	333669	334322	0	0	0	0
chr3	334806	337298	22.34	13.8	2.08	13.8
chr3	337624	345300	0	0	0	0
chr3	345649	347238	0	0	0	0
chr3	347302	348359	0	0	0	0
chr3	348654	349310	19.9	27.44	9.19	27.44
chr3	349311	351005	9.32	13.58	1.4	13.58
chr3	351051	351425	0	0	0	0
chr3	352181	356815	0	0	22.85	24.88
chr3	356844	358588	0.08	3.84	0	0
chr3	359733	365468	22.74	34.16	19.47	34.58
chr3	365597	366448	0	0	0	0
chr3	366737	370396	7.98	29.32	15.5	49.36
chr3	370405	372831	369.95	66.32	244.49	48.52
chr3	373234	376196	22.54	24.71	9.6	8.17
chr3	376197	380759	0	0	2.26	6.4
chr3	381364	386666	33.31	4.06	10.81	9.71
chr3	386929	391201	13.63	4.99	43.7	15.54

chr3	394275	396892	442.9	54.11	326.3	55.79
chr3	397562	401212	23.25	16.68	7.13	16.25
chr3	401289	409221	8.26	13.63	11.2	13.67
chr3	409236	412131	47.1	39.1	60.11	47.63
chr3	412924	416161	10.27	13.59	42.19	27.31
chr3	416333	418334	0	0	10.67	38.73
chr3	418920	421578	0	0	0	0
chr3	421711	425324	2.62	3.24	1.94	18.82
chr3	425754	427310	0	0	0	0
chr3	427831	428343	0	0	0	0
chr3	428471	432832	0	0	0	0
chr3	434017	435446	13.11	26.17	0	0
chr3	435546	437400	0	0	0	0
chr3	437859	440084	0	0	0	0
chr3	440456	441289	0	0	0	0
chr3	441430	445515	26.43	16.6	18.2	28.52
chr3	445516	449546	63.94	38.71	62.3	41.46
chr3	449592	450220	0	0	0	0
chr3	450844	453149	0	0	1.23	3.64
chr3	453409	454506	34.89	47.22	41.21	56.43
chr3	454745	457763	74.46	29.06	32.42	27.93
chr3	457797	459331	0	0	0	0
chr3	459462	466275	5.36	5.68	13.44	11.39
chr3	466827	469016	5.14	21.84	1.36	5.85
chr3	469796	475599	0	0	0	0
chr3	475600	483940	10.13	17.43	16.82	21.41
chr3	483948	486007	0	0	0	0
chr3	486240	510045	0.9	4.53	1.08	4.8
chr3	510422	512612	0	0	2.58	4.7
chr3	512750	515258	2.23	12.52	5.92	21.53
chr3	515283	520118	17.72	15.88	9.18	14.97
chr3	520584	522102	0	0	0	0
chr3	522181	529384	1.1	8.68	2.4	8.68
chr3	529522	534330	0	0.42	0	0
chr3	535160	535737	0	0	0	0
chr3	536759	541504	18.81	11.7	2.26	3.35
chr3	541834	543411	0	0	0	0
chr3	543796	544851	14.86	49.76	7.18	49
chr3	546821	547486	0	0	4.85	22.26
chr3	548027	550486	0	0	0	0
chr3	550596	552799	237.34	28.78	117.97	27.37
chr3	553777	556624	0	0	1.74	9.27
chr3	556625	560235	13.73	7.89	6.37	7.89
chr3	560603	561303	2.15	23.29	0	0
chr3	561880	563376	19.88	34.29	11.69	16.24
chr3	564107	568209	5.96	2.88	8.75	9.78
chr3	568210	572121	0.01	1.23	0	0
chr3	572947	576297	9.59	20.96	0	0
chr3	576298	579166	15.45	22.38	12.59	35.32
chr3	579185	581600	1.28	14.2	0.01	1.37
chr3	581985	583515	0	0	0	0
chr3	583553	585719	0.02	0.88	0	0
chr3	585802	588575	0	0	0	0
chr3	588616	591412	51.05	10.8	5.6	25.43
chr3	591583	593704	146.23	88.5	192.59	89.96
chr3	593824	601119	0.2	7.21	0	0
chr3	601527	601838	38.05	38.91	23.02	77.81
chr3	602321	604157	0	0	0	0
chr3	604166	605947	0	0	0	0
chr3	606549	608111	0	0	0	0
chr3	608242	609579	338.03	15.56	481.46	15.56
chr3	609825	610493	0	0	20.8	38.47
chr3	611159	614069	2.54	18.21	23.34	16.74
chr3	614221	614967	103.01	54.42	205.3	59.52
chr3	615653	617173	0	0	13.27	25.79

chr3	617755	619309	0.66	3.15	0.66	3.15
chr3	619459	622073	45.31	49.85	51.91	38.49
chr3	622189	622890	20.59	10.41	23.65	10.7
chr3	623249	625708	0	0	19.59	41.44
chr3	626076	627271	0	0	0	0
chr3	627942	631546	11.05	27.16	8.71	21.84
chr3	631576	634977	48.53	21.49	50.17	6.88
chr3	635022	637227	60.51	54.2	9.7	41.36
chr3	637387	641261	0	0	4.28	13.22
chr3	641561	644707	0	0	0	0
chr3	645887	647260	42.42	33.94	10.56	13.04
chr3	648391	648915	0	0	0	0
chr3	649517	650746	0	0	14.91	40.03
chr3	651089	652003	0	0	0	0
chr3	652371	656400	0	0	0	0
chr3	656740	658404	0	0	0	0
chr3	658612	659589	17.2	46.67	22.97	84.95
chr3	659682	660361	0	0	0	0
chr3	660535	663213	0	0	1.53	3.36
chr3	663358	663969	0	0	5.71	58.1
chr3	664112	666138	18.66	27.84	12.6	41.07
chr3	666464	667832	0	0	11.41	24.49
chr3	668883	670442	10.59	15.52	14.48	15.52
chr3	670584	672228	0	0	0	0
chr3	672576	673674	0	0	0	0
chr3	674765	675679	0	0	0	0
chr3	676145	679414	2.62	12.63	6.17	13
chr3	679661	684240	12.78	10.2	3.64	11.55
chr3	684820	686420	93.79	76	138.72	82.81
chr3	687425	687868	35.9	100	0	0
chr3	688258	689916	0	0	0	0
chr3	690290	691711	0	0	5.82	35.75
chr3	691965	698371	14.27	11.68	16.88	20.62
chr3	698591	704999	0	0	2.21	5.37
chr3	705120	706661	0	0	22.31	71.45
chr3	707119	708015	0	0	0	0
chr3	708016	709981	35.29	15.17	0	0
chr3	710259	711110	0	0	0	0
chr3	711284	713974	5.67	13.27	0.62	5.8
chr3	714071	716585	41.7	25.46	23.11	30.55
chr3	716586	723458	0	0	0.74	6.85
chr3	723781	724086	0	0	0	0
chr3	724739	725718	0	0	0	0
chr3	725778	730643	9.82	9.19	2.64	6.8
chr3	730819	739503	8.05	8.79	11.58	16.88
chr3	739751	741605	11.44	29.67	64.13	39.43
chr3	741743	744786	113.52	38.91	118.26	56.69
chr3	744841	750079	226.5	50.44	214.79	62.68
chr3	750689	753118	66.76	37.34	67.92	55.58
chr3	753301	753597	57.83	100	20.82	100
chr3	755328	757467	73.65	40.49	84.63	45.63
chr3	757538	760902	51.6	50.8	14.53	49.97
chr3	760907	764946	53.22	36.27	11.55	17.43
chr3	764947	766643	9.24	11.38	2.69	11.38
chr3	766696	770626	22.67	19.69	8.58	15.29
chr3	771041	774475	33.01	16.25	2.28	16.25
chr3	774988	777642	1.78	8.7	11.99	8.7
chr3	778012	778927	108.49	61.75	72.16	73.01
chr3	779191	779504	0	0	4.32	13.42
chr3	780026	786819	15.64	26.92	23.72	23.64
chr3	787260	790386	4.25	11.58	5.34	23.13
chr3	790400	839784	6.44	6.2	6.17	9.58
chr3	840179	841368	24.75	17.07	11.89	10.09
chr3	841726	843145	205.99	37.14	64.54	41.65
chr3	844094	849190	0	0	0	0

chr3	849191	852502	51.2	44.67	94.3	47.72
chr3	852636	857942	12.3	15.27	11.5	20.71
chr3	857958	859765	3.16	27.34	4.13	17.1
chr3	859884	865592	68.99	34.3	113.38	33.13
chr3	866035	870275	0.43	3.3	5.34	3.3
chr3	870366	871577	0	0	0	0
chr3	872402	874723	0	0	0	0
chr3	875714	876253	0	0	58.12	71.24
chr3	876254	885945	124.25	42.21	171.2	49.82
chr3	887207	887494	0	0	0	0
chr3	888330	891313	6.04	18	222.73	35
chr3	891364	892629	0	0	0	0
chr3	893171	893809	0	0	0	0
chr3	894218	899788	13.26	9.87	25.4	22.69
chr3	899835	902046	5.39	7.91	13.49	35.96
chr3	902478	903246	76.36	53.78	93.95	37.63
chr3	904348	907968	8.04	11.08	4.26	11.05
chr3	908646	910208	0	0	0	0
chr3	910531	913688	50.66	44.63	51.07	52.83
chr3	914300	915433	3.67	1.68	0.65	1.59
chr3	915434	918773	0	0	0	0
chr3	919359	922564	131.14	57.66	224.12	46.24
chr3	922719	923839	27.16	45.54	13.41	26.07
chr3	924577	925719	0	0	0	0
chr3	926062	929173	5.6	11.38	2.08	10
chr3	929187	932251	5.56	9.24	49.48	27.64
chr3	932418	934403	0	0	0	0
chr3	934982	937587	3.16	8.83	0	0
chr3	937592	940935	3.9	9.45	0.01	0.6
chr3	940936	941742	0	0	0	0
chr3	942252	942997	0	0	6.14	26.85
chr3	943375	947756	0.02	0.43	0	0
chr3	948243	950840	9.62	39.7	1.18	12.94
chr3	950841	953208	73.77	30.76	58.48	38.19
chr3	953316	956902	0	0	0.01	0.61
chr3	957384	957929	15.46	62.39	3.2	33.94
chr3	958719	960114	18.82	8.75	7.93	8.75
chr3	960518	961781	19.46	21.38	38.04	21.3
chr3	962242	966684	4.06	9.05	0	0
chr3	967113	972713	13.88	13.07	26.05	24.11
chr3	972985	976009	8.57	14.12	8.4	14.12
chr3	976010	979330	68.43	42.71	23.03	38.25
chr3	979763	985596	10.96	18.91	7.86	38.16
chr3	989114	994918	4.05	7.86	6.16	7.43
chr3	995674	1009471	0	0	0.73	2.8
chr3	1010873	1014633	21.96	42.66	8.5	32.58
chr3	1015620	1016740	1.76	8.39	0.15	7.59
chr3	1017016	1018610	49.54	40.4	0.16	11.79
chr3	1018611	1023807	58	20.79	44.42	31.68
chr3	1031558	1035259	22.63	31.32	23.24	37.21
chr3	1035260	1039565	30.7	9.5	20.12	13.33
chr3	1039566	1042658	30	45.08	78.35	39.1
chr3	1043487	1044158	7914.34	84.35	5426.56	100
chr3	1044669	1045661	9.69	43.35	28.16	73.79
chr3	1046155	1047296	0	0	21.92	63.98
chr3	1047625	1054192	3.43	5.24	2.34	5.25
chr3	1054225	1056489	0.55	5.79	5.84	21.25
chr3	1056799	1059264	126.4	48.64	80.26	45.19
chr3	1059754	1062348	0	0	4.36	7.36
chr3	1062355	1063917	7.53	29.64	5.43	31.43
chr3	1064056	1065395	0	0	0	0
chr3	1065537	1066674	11.66	16.09	5.2	15.57
chr3	1066920	1068755	104.31	30.57	24.47	35.37
chr3	1068938	1069834	15.33	63.95	8.91	27.46
chr3	1070086	1072470	7.35	3.36	4.09	3.36

chr3	1072480	1080081	4.06	11.22	11.96	14.56
chr3	1080330	1082126	0	0	0	0
chr3	1084669	1086277	0	0	0	0
chr3	1086963	1088636	0	0	4.2	41.96
chr3	1088660	1096299	0	0	0	0
chr3	1096756	1098614	324.45	41.77	192.87	50.65
chr3	1098723	1099687	23.47	23.24	9.87	23.24
chr3	1099966	1101474	94.7	67.84	56.45	68.5
chr3	1101814	1102587	0.13	12.68	50.8	13.07
chr3	1103262	1105092	0	0	0	0
chr3	1105224	1108800	1.51	6.12	13.99	6.12
chr3	1108804	1109972	88.52	21.49	201.64	36.13
chr3	1110003	1110880	0	0	2.55	24.74
chr3	1111945	1117332	23.04	15.87	12.49	14.2
chr3	1117445	1121069	22.12	20.53	13.72	24.2
chr3	1121070	1124928	2.46	4.56	0	0.13
chr3	1124969	1128342	7.16	10.29	9.49	17.82
chr3	1128865	1130286	0	0	4.73	15.69
chr3	1130735	1132256	0	0	0	0
chr3	1132705	1134840	0.02	0.89	0.51	24.17
chr3	1135145	1136833	28.95	37.44	7.9	29.32
chr3	1137391	1139082	0	0	0	0
chr3	1139762	1141883	0	0	0	0
chr3	1142726	1145586	0	0	0.81	2.31
chr3	1145628	1145891	0	0	0	0
chr3	1146113	1147588	0	0	0	0
chr3	1147907	1151077	84.57	19.12	37.4	34.45
chr3	1151107	1153934	45.94	60.13	85.34	60.13
chr3	1154500	1156083	0	0	0	0
chr3	1156123	1159818	3.73	21.22	2.14	5.66
chr3	1159825	1161356	8.66	18.35	6.1	18.29
chr3	1161828	1163874	0	0	3.47	12.32
chr3	1164377	1167493	11.08	24.42	1.05	7.41
chr3	1167777	1169615	0.14	8.87	6.39	20.46
chr3	1169977	1171685	48.08	29.22	26.24	28.81
chr3	1171863	1173806	0	0	15.58	26.71
chr3	1174074	1182743	575.43	46.33	703.4	43.88
chr3	1182758	1185829	0.62	3.55	0	0
chr3	1185862	1186550	0.06	2.91	0	0
chr3	1186953	1194411	0.08	2.11	2.89	6.25
chr3	1195189	1196620	0	0	0	0
chr3	1196623	1197721	0	0	7.67	60.29
chr3	1197791	1202163	18.15	20.31	14.41	22.6
chr3	1202341	1204112	2.24	17.9	3.29	10.33
chr3	1204325	1206783	0	0	0	0
chr3	1206840	1208793	0	0	0	0
chr3	1208864	1209838	26.27	32.44	5.3	26.49
chr3	1210512	1211585	0	0	23.94	23.49
chr3	1212075	1216480	0.61	7.42	10.63	14.3
chr3	1216512	1218518	2	36.04	16.36	34.95
chr3	1219236	1220092	71.5	28.74	39.44	28.74
chr3	1220275	1225669	1.85	4.51	5.02	5.49
chr3	1225687	1228272	0	0	0	0
chr3	1228971	1230189	0	0	0	0
chr3	1230807	1231393	0	0	0	0
chr3	1233304	1239464	13.01	10.05	23.16	14.66
chr3	1239988	1242472	0.26	5.96	1.21	5.96
chr3	1242477	1243977	24.91	26.27	10.02	43.87
chr3	1244160	1245988	28.65	39.28	48.04	38.24
chr3	1246027	1249065	0	0	1.77	7.37
chr3	1249551	1251464	9.64	28.91	2.47	28.02
chr3	1251885	1252611	0	0	0	0
chr3	1253225	1257535	0	0	0	0
chr3	1257548	1259541	87.36	31.11	167.7	39.49
chr3	1260065	1262955	36.98	36.37	32.25	46.82

chr3	1262975	1264504	0	0	0	0
chr3	1264598	1265552	0	0	0	0
chr3	1266444	1268151	8.31	14.94	4.47	13.36
chr3	1270530	1271441	0	0	0	0
chr3	1271945	1275100	5.41	27.1	81.68	44.34
chr3	1275242	1276540	5.28	18.1	13.09	22.73
chr3	1276858	1278683	33.21	13.42	4.23	8.27
chr3	1278724	1287535	7.94	7.73	6.47	7.73
chr3	1288495	1290615	0	0	0	0
chr3	1290725	1292746	0	0	0	0
chr3	1292795	1296936	6.61	20.67	11.97	37.74
chr3	1296937	1300020	0.89	3.02	0.23	3.02
chr3	1300278	1304623	10.45	5.11	0	0
chr3	1305559	1307133	0	0	0	0
chr3	1307951	1311137	0	0	0	0
chr3	1311242	1313421	0	0	0	0
chr3	1313422	1318253	0	0	0.29	2.86
chr3	1318254	1319577	0	0	0	0
chr3	1319578	1324908	27.84	27.71	12.45	27.2
chr3	1324981	1325661	0	0	0	0
chr3	1325810	1327222	0	0	0	0
chr3	1327306	1331306	63.67	27.83	49.74	45.65
chr3	1331391	1333040	0	0	0	0
chr3	1333466	1334925	0	0	24.4	22.55
chr3	1335021	1336589	0	0	0	0
chr3	1336666	1337454	0	0	0.58	8.63
chr3	1338635	1340631	10.32	35.07	18.49	46.49
chr3	1340638	1342878	0	0	0	0
chr3	1343053	1344519	0	0	0	0
chr3	1344586	1346651	148.12	57.38	83.96	46.34
chr3	1346674	1347792	0	0	0	0
chr3	1347844	1351052	0.01	0.59	0.01	0.59
chr3	1351354	1353043	0	0	0.86	12.43
chr3	1353044	1355199	0	0	0	0
chr3	1355200	1357991	0	0	0	0
chr3	1358049	1359338	0	0	0	0
chr3	1359636	1362098	6.91	12.47	2.32	12.47
chr3	1363401	1367978	18.73	11.06	3.91	14.05
chr3	1367979	1372111	0	0	6.99	22.75
chr3	1372294	1376168	0	0	8.41	7.02
chr3	1376172	1380203	49.31	17.42	27.88	32.47
chr3	1380544	1382077	3.25	27.46	3.57	27.33
chr3	1382078	1384241	0	0	0	0
chr3	1384825	1386957	197.69	58.21	217.78	73.83
chr3	1387934	1393233	1.29	2.85	0	0
chr3	1393257	1394309	253.66	74.52	125.68	70.34
chr3	1395222	1397994	0	0	1.12	17.03
chr3	1398008	1399539	0.04	2.09	16.19	62.44
chr3	1399711	1402277	0	0	0.72	16.06
chr3	1402328	1403569	54.29	58.82	2.83	33.52
chr3	1403653	1404705	13.38	16.54	8.27	17.59
chr3	1405446	1406511	0	0	0	0
chr3	1406578	1411396	0.01	0.39	0.01	0.79
chr3	1411486	1413876	12.22	24.23	43.03	24.69
chr3	1413915	1415107	0	0	0	0
chr3	1415114	1417399	0	0	0	0
chr3	1417897	1419322	0	0	0	0
chr3	1419484	1424293	3.35	6.59	6.86	6.57
chr3	1424299	1426186	0	0	0.34	13.2
chr3	1426892	1429163	0.13	2.64	9.07	34.13
chr3	1429425	1430810	0	0	0	0
chr3	1431307	1432098	0	0	0	0
chr3	1432423	1435335	0	0	0	0
chr3	1436194	1436850	6.73	32.62	22.03	51.98
chr3	1438169	1439451	0	0	0	0

chr3	1440375	1443110	49.44	6.54	0	0
chr3	1443633	1446647	52.97	28.14	69.57	45.49
chr3	1446910	1448891	0	0	0	0
chr3	1449269	1451444	0	0	0.02	0.97
chr3	1451595	1453507	1.75	13.49	3.9	11.87
chr3	1453697	1463823	0	0	0	0
chr3	1463967	1466959	33.25	21.06	5.13	6.52
chr3	1467483	1470284	0	0	0	0
chr3	1470667	1474159	0	0	0	0
chr3	1474393	1485751	0	0	0	0.49
chr3	1485775	1486803	0	0	0	0
chr3	1486971	1488623	0	0	0	0
chr3	1488809	1493697	0	0	0	0
chr3	1494183	1495167	0	0	0	0
chr3	1495566	1497038	13.26	52.99	16.83	37.57
chr3	1497065	1499475	135.34	46.76	169.94	59.92
chr3	1500032	1503699	0.05	1.72	0.01	0.52
chr3	1503984	1505387	0	0	0	0
chr3	1505674	1507405	13.18	48.58	14.91	29
chr3	1507410	1509164	42.18	41.68	56.77	69.5
chr3	1509312	1511877	0	0	13.8	20.66
chr3	1511903	1517231	0	0	0	0
chr3	1517236	1519564	39.06	10.65	21.03	10.57
chr3	1519565	1524039	8.15	15.8	1.01	8.63
chr3	1524814	1528074	59.03	34.39	50.24	38.47
chr3	1528359	1529477	12.4	18.16	9.51	18.25
chr3	1530006	1534116	2.43	8.91	20.42	25.13
chr3	1534241	1534756	0	0	0	0
chr3	1534789	1537402	0	0	0.3	7.46
chr3	1537945	1539331	31.66	31.31	45.16	37.01
chr3	1539861	1542442	0	0	0	0
chr3	1542449	1543311	55.89	55.92	35.15	43.16
chr3	1543318	1544422	0	0	0	0
chr3	1545252	1557625	5.16	8.41	1.03	1.77
chr3	1558338	1558724	0	0	0	0
chr3	1558844	1561715	0	0	0	0
chr3	1562402	1566971	0.01	0.44	0.01	0.42
chr3	1566972	1569496	0	0	0	0
chr3	1572032	1576239	0	0	0	0
chr3	1576240	1578694	22.02	19.03	3.2	13.73
chr3	1579381	1580784	20.12	18.89	0.6	10.76
chr3	1581265	1582825	12.13	22.63	12.48	22.63
chr3	1583108	1585549	0	0	0	0
chr3	1585550	1587796	0	0	0	0
chr3	1587797	1595053	1.16	4.34	2.04	4.33
chr3	1595202	1600134	24.62	16.63	21.33	28.22
chr3	1600581	1602870	0	0	0	0
chr3	1602984	1605470	1.96	4.1	4.45	18.34
chr3	1605815	1608134	0	0	0	0
chr3	1608447	1620699	2.95	5.27	9.38	4.28
chr3	1621784	1622922	0	0	0	0
chr3	1623083	1625043	0	0	0	0
chr3	1625062	1631940	43.11	9.87	16.21	15.98
chr3	1632095	1635444	1.02	9.88	0.14	5.64
chr3	1635453	1639673	5.03	9.22	5.36	9.19
chr3	1640201	1640980	0	0	0	0
chr3	1640988	1642025	0	0	0	0
chr3	1643504	1644223	2115.92	70.51	206.01	70.1
chr3	1645428	1647958	0	0	12.43	28.26
chr3	1648016	1649648	37.77	43.01	44.05	47.67
chr3	1649649	1651751	243.67	43.48	117.55	39.72
chr3	1651856	1656227	97.03	41.41	68.94	30.86
chr3	1656722	1657474	755.94	68.35	516.9	68.48
chr3	1657752	1658567	99.86	35.83	82.71	37.79
chr3	1659810	1663968	3.95	4.76	0.6	4.3

chr4	1159	1818	0	0	0	0
chr4	7818	11047	0	0	0.91	10.1
chr4	16066	18355	0	0	0	0
chr4	19500	21390	1156.22	40.37	27.4	35.77
chr4	25604	28164	0.1	4.88	1.94	16.25
chr4	28165	29855	0	0	8.98	22.66
chr4	29937	35258	5.99	12.85	19.7	19.34
chr4	36695	39390	15.49	17.66	33.99	32.24
chr4	39391	41465	16.27	18.13	7.23	27.05
chr4	42664	54583	144.81	17.02	126.68	20.17
chr4	54588	56504	3.9	4.33	3.79	8.14
chr4	56702	60089	0	0	0	0
chr4	60152	62374	0	0	0	0
chr4	62498	64665	29.96	13.98	5.18	17.54
chr4	64899	68205	3.67	5.17	2.6	6.47
chr4	68531	73890	0	0	0	0
chr4	74375	75913	33.38	35.96	13.13	23.67
chr4	75940	80409	0	0	0	0
chr4	80845	81632	0	0	0	0
chr4	81646	83492	0	0	14.46	11.81
chr4	83821	84255	0	0	0	0
chr4	84267	89487	0	0	0	0
chr4	89982	102250	0	0	0	0.16
chr4	102268	110316	1.37	2.35	1.54	2.35
chr4	110568	116516	0	0	0	0
chr4	116765	119151	7.52	16.89	5.83	11.06
chr4	119557	120928	0	0	0	0
chr4	120929	127566	23.89	7.74	13.78	10.7
chr4	127609	134843	0	0	1.63	8.39
chr4	134911	137510	24.87	31.01	14.84	30.93
chr4	138041	139246	0	0	0	0
chr4	139336	142651	0.84	4.01	3.96	12.43
chr4	142669	145785	4.11	11.52	14.37	25.99
chr4	145822	148766	0	0	0	0
chr4	148860	154042	24.87	28.97	49.04	29.7
chr4	154165	159684	9.38	8.52	6.85	8.5
chr4	159767	161439	19.6	28.29	7.94	23.74
chr4	162710	165286	0	0	0	0
chr4	165970	167649	0	0	0	0
chr4	168382	169839	0	0	0	0
chr4	170613	172131	8.61	6.06	0	0
chr4	172296	173417	0	0	50.07	79.84
chr4	173521	174825	27.59	31.9	7.79	13.04
chr4	175137	176024	37.34	55.24	21.52	58.62
chr4	176473	177930	0	0	0	0
chr4	178878	181034	0	0	0	0
chr4	182213	189874	4.99	6.06	0.04	2.25
chr4	189956	191371	0	0	0	0
chr4	191372	193533	0	0	0	0
chr4	193586	195649	9.85	11.78	29.2	17.89
chr4	195698	201922	2.86	10.68	4.54	4.92
chr4	202042	202995	0	0	0	0
chr4	203271	207163	0	0	0	0
chr4	207535	208119	0	0	0	0
chr4	208759	210705	135.7	55.29	10.68	35.71
chr4	210746	219401	17.12	3.96	5.59	3.96
chr4	219512	223642	0	0	0	0
chr4	224183	224855	0	0	3.15	28.27
chr4	224874	230758	43.99	13.09	16.58	11.13
chr4	230759	235867	1.47	7.89	0	0
chr4	236137	238111	1.78	7.75	0	0
chr4	238195	240302	0	0	0	0
chr4	240327	241549	1.04	13.99	2.32	13.99
chr4	242032	248485	0.01	0.29	0.01	0.29
chr4	248570	251023	0	0	0	0

chr4	251024	254065	0	0	0	0
chr4	254110	255078	0	0	0	0
chr4	255514	258184	0	0	1.46	11.61
chr4	258836	263241	0	0	0	0
chr4	263489	266913	0	0	0	0
chr4	267198	268224	0	0	0	0
chr4	268338	270627	0	0	0.05	0.83
chr4	272299	273343	0	0	0	0
chr4	273463	275664	0	0	3.1	8.81
chr4	276381	278237	0.07	6.73	0	0
chr4	278390	278965	0	0	0	0
chr4	279297	280555	7.29	11.92	16.97	12
chr4	280862	285250	17.24	27.01	7.7	28.12
chr4	285807	287768	0	0	0	0
chr4	287929	289149	0	0	0.12	6.23
chr4	289899	291320	0.11	1.41	0	0
chr4	292058	292780	0	0	0	0
chr4	293163	297531	0	0	0	0
chr4	297931	300050	0	0	6.8	16.05
chr4	300510	301621	0	0	0	0
chr4	301864	302383	0	0	0	0
chr4	302437	306173	0	0	0	0
chr4	306511	307614	0	0	3.64	29.19
chr4	308242	309246	0	0	0	0
chr4	311795	315572	0	0	0.23	4.16
chr4	315573	319805	43.3	30.29	40.81	29.94
chr4	319832	321244	0	0	40.9	36.9
chr4	321540	326372	1.02	13.99	3.81	7.16
chr4	327808	328410	0	0	0	0
chr4	328419	329692	0	0	0	0
chr4	330335	335004	28.9	13.75	24.46	13.84
chr4	335700	336596	46	22.88	28.61	22.88
chr4	336737	338128	0	0	28.16	15.03
chr4	338610	339671	0	0	0	0
chr4	340171	342597	0.12	4.16	0	0
chr4	342598	343670	4.82	14.93	20.4	32.56
chr4	343671	349717	14.01	33.87	20.75	30.05
chr4	351171	355593	0.02	0.47	0	0
chr4	355653	357242	0	0	0	0
chr4	357364	362069	0.09	5.93	0.03	2.74
chr4	362265	364591	54.78	52.28	73.62	59.16
chr4	365575	368534	0	0	2.99	16.53
chr4	370103	371065	93.6	83.58	38.39	47.71
chr4	371862	373427	0	0	0	0
chr4	373579	374958	0	0	0	0
chr4	375463	376536	0	0	0	0
chr4	376866	380925	4.63	4.19	2.95	11.58
chr4	380926	385838	0.81	3.42	0.95	3.42
chr4	385876	388071	0	0	0	0
chr4	388320	389914	0	0	0.13	8.03
chr4	389959	394241	6.38	4.34	7.59	4.34
chr4	394393	397062	38.67	18.36	59.09	41.4
chr4	397567	398664	0	0	0	0
chr4	398793	399737	0	0	0	0
chr4	400157	402609	11.3	26.02	0	0
chr4	403190	406690	1.17	8.49	6.69	9.77
chr4	406825	412386	61.75	21.65	22.3	24.15
chr4	412387	417821	46.5	15.29	39.93	20.48
chr4	418015	420988	5.47	11.71	48.25	46.82
chr4	421356	423110	0	0	0	0
chr4	423351	424774	13.78	15.32	22.77	36.12
chr4	425425	426985	0	0	0	0
chr4	427486	435701	1.39	6.09	0.14	0.61
chr4	435864	443639	19.4	16.49	36.75	25.52
chr4	443931	446299	0	0	0	0

chr4	446597	449815	25.83	21.91	6.08	26.13
chr4	449845	450775	10.28	20.32	4.08	20.32
chr4	450843	455212	4.82	8.77	0	0
chr4	455284	455643	100.77	100	140.05	100
chr4	457186	458571	59.21	68.88	2.16	28.88
chr4	458765	461449	0	0	0.6	7
chr4	461806	463758	44.52	61.32	15.09	45.49
chr4	464568	469868	11.4	8.98	3.39	8.98
chr4	469889	471090	0	0	0	0
chr4	471486	472326	43.95	38.33	8.91	17.26
chr4	472482	473302	0	0	0	0
chr4	473524	474663	8.49	16.68	27.03	47.76
chr4	474926	476158	0	0	0	0
chr4	476743	478017	91.92	46.7	139.91	87.6
chr4	478218	480624	13.94	12.34	17.21	20.07
chr4	481024	482757	0	0	0	0
chr4	482915	489224	13.05	3.76	12.99	29.35
chr4	489261	491597	0	0	0	0
chr4	492983	494126	0.08	8.05	21.26	68.59
chr4	494223	496952	0	0	0	0
chr4	497810	499741	81.56	18.9	35.96	18.9
chr4	500363	502173	64.62	27.62	13.63	27.57
chr4	502197	502949	0	0	0	0
chr4	503678	505406	30.1	42.77	5.29	22.05
chr4	505546	506988	18.85	20.67	0	0
chr4	507512	510069	0	0	0	0
chr4	510189	511514	0	0	0	0
chr4	511638	513017	0	0	0	0
chr4	513125	513718	0	0	0	0
chr4	513829	515596	28.35	22.07	57.74	25.07
chr4	515849	516725	0	0	0	0
chr4	516726	521757	0.06	4.87	0	0
chr4	521827	523566	5.66	10.12	2.42	21.68
chr4	523584	525520	0	0	1.25	25.77
chr4	525524	527333	0	0	0	0
chr4	527441	529264	0	0	0.02	1.04
chr4	530413	532426	0	0	0	0
chr4	532699	535320	25.81	20.45	57.67	40.56
chr4	535471	537315	85.37	79.99	30.98	68.44
chr4	537512	537736	0	0	0	0
chr4	538252	539927	14.54	28.9	24.42	31.82
chr4	540846	544998	0	0	1.86	5.92
chr4	545270	547793	20.32	36.62	23.06	14.86
chr4	547794	551237	28.33	36.65	35.11	38.63
chr4	551661	555474	0	0	3.59	11.67
chr4	556005	570367	6.3	8.09	5.01	7.07
chr4	570445	573722	447.79	33.29	189.11	36.77
chr4	573729	575372	21.17	30.61	19.85	52.53
chr4	575763	577765	0.74	24.93	4.94	11.39
chr4	577979	578503	0	0	3.64	16.79
chr4	579034	579831	0	0	8.05	21.96
chr4	580258	582456	0	0	0	0
chr4	582804	583307	0	0	8.15	67.99
chr4	583595	585541	0.15	12.8	0.51	12.8
chr4	585880	588223	63.1	22.36	45.36	41.14
chr4	588231	591193	21.72	47	15.15	23.97
chr4	592089	593886	0	0	0	0
chr4	593902	594341	0	0	0	0
chr4	594350	596396	0	0	0	0
chr4	596566	598282	0	0	0	0
chr4	598618	600265	0	0	4.91	27.93
chr4	601516	607209	0	0.37	0.01	0.67
chr4	607435	607899	0	0	0	0
chr4	607917	609128	0	0	1.92	47.23
chr4	609396	611905	0	0	0	0

chr4	611924	615716	6.31	12.68	13.43	27.53
chr4	616109	618051	3.31	7.16	0	0
chr4	618110	620058	0.04	0.98	4.51	14.07
chr4	620127	624755	2.68	18.76	16.89	36.19
chr4	625779	629461	36.01	43.73	22.73	28.46
chr4	629477	632753	3.07	3.69	0.29	7.08
chr4	632902	635770	0.73	3.49	0	0
chr4	635786	638064	0	0	4.07	8.74
chr4	638136	639744	0	0	0	0
chr4	639745	641954	35.72	26.89	11.71	19.15
chr4	642716	643327	0	0	0	0
chr4	643351	643848	1.02	51.91	0.76	25.35
chr4	644610	645749	0.59	26.16	0.41	20.02
chr4	646511	647122	0	0	0.32	20.62
chr4	647146	647643	1.18	52.92	0.51	25.35
chr4	648405	649016	0	0	0	0
chr4	649040	649537	2.02	50.91	0	0
chr4	650299	650910	0	0	0	0
chr4	650934	651431	1.01	50.5	1.62	33.2
chr4	652193	652804	0	0	0	0
chr4	652828	653325	1.33	59.96	0.62	25.35
chr4	654087	654698	0	0	0.21	20.62
chr4	654722	655219	1.03	51.71	0	0
chr4	655981	656592	0	0	0	0
chr4	656616	657113	0.37	25.15	0.76	25.35
chr4	657875	658486	0	0	0	0
chr4	658510	659007	0.69	58.35	1	29.18
chr4	659769	660380	0	0	0	0
chr4	660404	660901	0	0	0	0
chr4	661663	662274	0	0	0	0
chr4	662298	662795	1.79	52.11	0.76	25.35
chr4	663557	664168	0	0	0	0
chr4	664192	664689	2.96	57.34	0.2	20.12
chr4	665451	666062	0	0	0.41	20.62
chr4	666086	666583	1.06	56.74	0.4	25.35
chr4	667345	667956	0	0	0.21	20.62
chr4	667980	671512	9.07	8.72	1	7.42
chr4	672800	674249	0	0	0	0
chr4	674480	676089	19.24	48.79	19.68	41.45
chr4	676096	677257	2.71	14.73	20.34	29.89
chr4	677273	678842	15.45	19.44	0.17	8.6
chr4	678843	682517	0	0	2.04	6.51
chr4	682933	684511	0	0	0	0
chr4	685444	687210	0	0	0	0
chr4	687237	689519	27.55	16.96	64.52	34.09
chr4	691413	693035	65.38	65.66	40.1	65.66
chr4	693126	695594	0	0	2.71	25.24
chr4	695782	698285	9.01	13.82	10.1	23.93
chr4	698613	700330	0	0	0.15	7.28
chr4	700581	703148	27.18	36.15	28.04	40.79
chr4	703806	709831	148.79	52.78	118.36	60.95
chr4	710120	711061	14.64	44.21	0	0
chr4	711512	712927	0.53	6.86	5.57	29.26
chr4	712942	714415	5.36	20.23	6.47	37.54
chr4	714616	716705	20.06	75.59	26.05	51.51
chr4	716964	718870	0	0	0	0
chr4	718984	722442	17	14.43	39.82	12.98
chr4	723908	724975	60.54	43.3	2.73	23.52
chr4	724996	728521	0	0	0.04	2.18
chr4	729214	730454	3700.32	63.55	559.88	63.55
chr4	731396	732496	46.08	37.45	39.31	37.55
chr4	733361	734044	0	0	43.75	33.38
chr4	734574	736841	0	0	2.37	4.28
chr4	736996	738914	30.11	24.87	12.65	27.95
chr4	738964	740483	0	0	0	0

chr4	740756	747493	34.16	8.09	12.66	9.75
chr4	747494	749310	8.94	17.9	0	0
chr4	750544	750828	0	0	1.06	52.82
chr4	750905	751635	0	0	0.41	20.55
chr4	751663	753261	0	0	0	0
chr4	753361	754261	54.51	37.33	140.03	37.44
chr4	755627	761779	0	0	0	0
chr4	761998	763981	0	0	2.1	9.63
chr4	764076	766568	10.37	9.39	31.34	33.75
chr4	766582	771819	4.26	3.9	5.13	15.03
chr4	771820	775351	0	0	0	0
chr4	775990	779594	5.11	6.8	4.68	14.62
chr4	779751	781207	15.09	41.48	0	0
chr4	781522	787608	16.95	14.89	2.9	14.25
chr4	787639	789827	341.78	41.96	299.89	44.29
chr4	789908	791077	134.75	80.75	135.87	57.66
chr4	791092	792908	0	0	0	0
chr4	793242	794972	0	0	0	0
chr4	795344	796883	0	0	1.51	25.6
chr4	796968	808597	3.84	12.73	1.98	8.91
chr4	808618	811176	447.13	13.17	222.88	27.8
chr4	811745	814738	0	0	0	0
chr4	815982	817765	0	0	11.52	25.86
chr4	817774	834803	27.88	12.37	25.52	23.13
chr4	834808	842573	23.09	17.22	10.39	19.5
chr4	842574	851596	37.81	18.54	29.79	18.03
chr4	852337	854215	4.15	16.24	12.33	16.24
chr4	854264	854956	10.18	21.82	29.94	21.82
chr4	855809	856492	0	0	0	0
chr4	857311	859270	4.35	6.13	5.38	8.07
chr4	860408	872184	38.41	26.5	24.13	34.87
chr4	873528	876750	0	0	0	0
chr4	878960	896821	3.56	5.87	4.95	11.1
chr4	897377	897876	0	0	0	0
chr4	898077	899135	219.41	100	250.98	82.51
chr4	900411	901973	0	0	0	0
chr4	902298	904425	15.83	28.77	52.91	69.16
chr4	904441	905929	4833.76	39.65	216.5	67.88
chr4	906417	907250	0	0	0	0
chr4	907405	907947	0	0	0	0
chr4	908797	913860	26.11	29.31	17.15	36.66
chr4	913910	920242	12.79	26.69	12.23	17.92
chr4	920284	921764	44.49	19.12	8.72	28.78
chr4	921820	923502	5.02	24.2	1.04	11.53
chr4	923507	925220	13.06	27.55	4.75	22.77
chr4	925338	928894	49.56	27.39	15.06	42.77
chr4	929730	931274	0	0	0.19	14.25
chr4	931413	933034	12.24	19.19	45.25	55.64
chr4	933394	934811	121.58	74.1	24.04	53.99
chr4	935032	938026	52.05	25.52	21.91	21.21
chr4	938027	942406	6.11	8.65	14.87	8.15
chr4	942589	943926	13.07	30.52	5.35	36.87
chr4	944189	947586	37.83	12.39	61.96	20.67
chr4	947878	948096	860.18	99.08	1025.37	100
chr4	948768	954110	24.64	19.58	27.73	38.21
chr4	954145	962305	2.85	5.2	1.44	3.55
chr4	962345	964058	64.25	48.57	17.28	14.01
chr4	964195	965475	0	0	9.42	13.59
chr4	965891	966673	1.92	19.44	137.52	80.95
chr4	966994	967987	11.3	52.37	5.02	52.37
chr4	968010	971223	22.89	26.24	5.74	33.52
chr4	971539	972901	0	0	0	0
chr4	973360	974499	0	0	0	0
chr4	975227	982449	29.29	29.08	12.57	18.19
chr4	982450	983747	3.65	28.53	22.12	40.4

chr4	983912	987575	0	0	2.3	12.86
chr4	987672	988097	0	0	32.68	55.53
chr4	988289	988735	0	0	32.37	18.39
chr4	989095	991004	4.03	11.52	11.23	43.53
chr4	991502	992896	33.44	54.66	18.8	34.43
chr4	994518	995681	115.17	33.62	82.47	26.31
chr4	996564	1000955	0	0	0.08	0.43
chr4	1001134	1004305	0	0	1.02	3.47
chr4	1004306	1007250	4.67	8.66	5.25	20.86
chr4	1007357	1009221	19.48	25.7	6.93	20.23
chr4	1009343	1011490	2.7	4.42	0	0
chr4	1012109	1013150	7.77	35.64	18.79	35.45
chr4	1013151	1014529	30.46	38.32	4.32	38.1
chr4	1015050	1016719	0	0	1.72	28.76
chr4	1017380	1018189	0	0	0	0
chr4	1018775	1022075	0	0	0.39	7.27
chr4	1022708	1024090	91.73	83.29	118.53	83.65
chr4	1024834	1025733	0	0	0	0
chr4	1026787	1028835	0	0	0	0
chr4	1029344	1030511	0	0	0	0
chr4	1030682	1037297	0	0	2.24	6.26
chr4	1037405	1038745	56.5	14.18	1.62	14.18
chr4	1038850	1042007	14.53	2.82	1.97	10.83
chr4	1042616	1046006	0	0	0.16	2.92
chr4	1046283	1048469	0.1	5.31	0	0
chr4	1048693	1050002	0	0	0	0
chr4	1050433	1053646	0	0	0.57	7.87
chr4	1053647	1055683	62.17	51.72	37.81	51.72
chr4	1055782	1056439	0	0	0	0
chr4	1056440	1061252	4.48	14.3	8.13	17.27
chr4	1061262	1063807	2.91	5.74	10.85	31.43
chr4	1064204	1064784	0.76	3.45	10.84	38.97
chr4	1066256	1068837	35.7	23.94	53.97	31.96
chr4	1070253	1071233	36.95	73.37	8.81	13.88
chr4	1071820	1075044	0	0	0	0
chr4	1075107	1075490	0	0	0	0
chr4	1076401	1077096	0	0	0	0
chr4	1077610	1078819	0	0	0	0
chr4	1079132	1081739	0	0	0	0
chr4	1082079	1083491	0	0	0	0
chr4	1084732	1086536	0	0	0	0
chr4	1088124	1091319	5.65	9.33	11.02	15.43
chr4	1091349	1111024	0.83	2.52	5.13	8.42
chr4	1111116	1113009	2.82	27.1	0	0
chr4	1113940	1117490	0	0	1.3	20.96
chr4	1118225	1119618	113.09	55.49	53.03	64.68
chr4	1120377	1122173	0	0	0	0
chr4	1122297	1131895	13.59	13.23	21.26	13.95
chr4	1131896	1134268	0	0	0.81	16.48
chr4	1134516	1138703	0	0	3.09	8.26
chr4	1138994	1141337	0	0	9.4	16.22
chr4	1141461	1142754	8.82	12.37	24.41	34.49
chr4	1142758	1144233	2.57	17.63	0	0
chr4	1144247	1145989	16	24.97	9.63	36.68
chr4	1146356	1148162	54.81	46.57	9.37	61.63
chr4	1148265	1150229	0.01	1.27	0	0
chr4	1150594	1151703	112.89	47.16	57.96	71.15
chr4	1152311	1157011	2.9	8.15	4.2	18.3
chr4	1157800	1158662	0	0	0	0
chr4	1159002	1159301	0	0	0	0
chr4	1159893	1161921	0	0	0	0
chr4	1161988	1164289	10.57	13.95	27.06	23.73
chr4	1164290	1167385	9.92	12.76	0	0
chr4	1167476	1169342	0	0	0	0
chr4	1169811	1172519	0.02	2.44	0	0

chr4	1172520	1178446	16.61	21.08	9.95	15.59
chr4	1178901	1181952	0	0	0.18	7.77
chr4	1181979	1182926	0	0	0	0
chr4	1183426	1186037	8119.08	59.63	5199.42	55.69
chr4	1186367	1187900	5.31	10.83	25.08	28.18
chr4	1188067	1190157	8.7	21.48	10.38	34.83
chr4	1190158	1197436	10.54	6.09	13.26	16.6
chr4	1197866	1202939	1179.02	47.72	443.04	55.43
chr4	1202940	1205804	3.94	12.36	50.68	24.69
chr4	1206049	1207610	14.35	11.4	7.88	12.68
chr4	1208284	1211796	0.75	16.2	13.27	8.4
chr4	1211946	1213952	0	0	0	0
chr4	1214009	1216474	67.03	5.64	40.13	5.6
chr4	1217319	1221104	28.22	17.6	12.86	24.62
chr4	1221165	1226816	0	0	0	0
chr4	1227210	1228064	149.44	86.18	94.39	98.71
chr4	1229773	1232964	0	0	0	0
chr4	1233744	1237700	0	0	19.59	7.89
chr4	1238420	1242968	0	0	0.01	0.92
chr4	1242989	1244334	0	0	0	0
chr4	1244970	1246948	13.25	15.37	22.06	14.91
chr4	1247212	1251571	12.91	6.58	10.13	13.49
chr4	1251572	1253924	0.87	11.31	7.13	11.78
chr4	1253956	1258067	0	0	0	0
chr4	1258100	1259041	0	0	5.49	25.29
chr4	1259325	1262757	0	0	15.43	37.59
chr4	1264296	1265396	0	0	5.47	15.27
chr4	1266192	1266845	18.04	45.64	77.89	28.02
chr4	1267552	1270278	64.49	22.3	28.98	29.82
chr4	1271780	1275683	13.33	11.12	11.33	10.63
chr4	1275698	1277022	8.99	10.57	7.93	10.57
chr4	1277149	1279769	0	0	0	0
chr4	1279784	1280977	0	0	0	0
chr4	1281213	1283820	0	0	0.02	2.03
chr4	1283953	1288205	0	0	0	0
chr4	1289110	1302608	28.94	13.74	47.36	11.1
chr4	1302777	1304657	0.01	1.12	0	0
chr4	1304798	1309638	15.11	6.07	2.37	6.07
chr4	1309760	1311397	15.05	10.32	4.96	10.32
chr4	1311978	1315726	10.27	18.36	12.01	12.41
chr4	1316599	1319123	0	0	0	0
chr4	1319516	1322142	7.24	17.21	0	0
chr4	1322677	1323531	0	0	0	0
chr4	1323691	1325482	0	0	10.5	52.71
chr4	1327447	1333120	0.01	0.37	3.89	8.55
chr4	1333252	1335114	5.43	7.14	1.33	7.14
chr4	1335605	1349283	2.5	3.45	2.04	6.79
chr4	1349550	1350806	0	0	0	0
chr4	1351183	1352507	60.12	35.73	8.4	44.71
chr4	1353028	1361529	2.61	6.26	0	0
chr4	1362466	1366969	0.02	0.42	0	0
chr4	1366970	1368522	3.45	11.86	128.73	26.8
chr4	1368523	1370252	0	0	0	0
chr4	1371088	1378360	11.39	10.13	10.15	10.4
chr4	1378634	1378897	0	0	0	0
chr4	1379715	1381904	0.05	5.34	0	0
chr4	1382325	1389018	4.13	2.93	1.22	2.93
chr4	1389550	1394461	1.02	6.52	6.33	6.7
chr4	1394563	1397661	0	0	0	0
chr4	1398187	1402675	26.98	12.83	0.51	3.1
chr4	1403040	1405057	3.44	11.55	0.02	0.94
chr4	1407102	1408369	0	0	0	0
chr4	1408388	1410366	5.64	12.23	4.82	19.62
chr4	1410517	1413611	0	0	0	0
chr4	1415241	1417987	0.3	5.9	4.63	5.94

chr4	1418292	1419521	27.31	38.49	47.37	56.55
chr4	1420599	1422991	0	0	0	0
chr4	1423351	1428127	0	0	0.01	0.44
chr4	1428178	1430336	5.58	27.9	0.35	3.61
chr4	1430337	1432719	0	0	0	0
chr4	1433202	1435634	0	0	0	0
chr4	1435673	1437442	2.12	17.13	4.38	7.63
chr4	1438116	1439417	65.75	21.06	41.53	20.98
chr4	1439435	1443378	2.37	8.93	0.09	3.2
chr4	1443518	1445991	0	0	0	0
chr4	1446013	1448629	45.78	22.29	17.93	22.52
chr4	1448815	1461823	0	0	0	0
chr4	1462215	1464402	0	0	0	0
chr4	1464403	1471437	55.74	19.19	40.85	20.42
chr4	1471785	1479877	10.37	12.64	3.15	14.3
chr4	1480892	1484643	0	0	0	0
chr4	1484650	1494554	0	0	0.01	0.6
chr4	1495019	1498485	0	0	0	0
chr4	1498689	1500264	0	0	0	0
chr4	1501689	1503757	0	0	0	0
chr5	267	4976	1.29	7.18	6.58	6.58
chr5	4977	8059	0	0	0	0
chr5	8064	9837	0	0	21.14	9.98
chr5	10484	13915	40.71	34.3	69.53	58.23
chr5	13926	15007	0	0	0	0
chr5	15206	15769	0	0	0	0
chr5	15788	23725	4.83	5.44	1.42	4.46
chr5	24483	43819	29.6	16.23	27.32	15.13
chr5	44922	51979	491.51	12.7	36.57	8.33
chr5	51980	55473	0	0	0.29	12.74
chr5	55759	59286	1.5	2.07	4.4	11
chr5	60248	62022	7.05	26.78	64.38	58
chr5	62023	68651	9.94	16.9	7.49	18.53
chr5	71062	73091	0.03	1.53	0.11	1.53
chr5	73239	82768	0	0.2	0.02	1.98
chr5	82769	85716	2.49	15.24	11.21	29.79
chr5	86318	88964	10.38	20.52	6.41	19.43
chr5	88974	93597	25.68	15.47	58.04	27.17
chr5	94032	99372	25.27	20.11	20.42	19.66
chr5	99516	108936	0	0	0.29	2.08
chr5	109919	114483	8.01	6.73	8.06	7.08
chr5	115181	123900	28.09	12.87	7.99	15.72
chr5	124225	125630	0	0	0	0
chr5	125676	127051	0	0	0	0
chr5	127067	129470	1.49	12.48	10.6	8.24
chr5	129471	135806	9.04	28.08	20.55	24.42
chr5	135918	136728	0	0	0	0
chr5	136886	139349	2.81	7.96	0	0
chr5	140047	140628	0	0	0	0
chr5	141104	142220	0	0	0	0
chr5	142775	145046	39.28	28.84	35.71	35.4
chr5	145065	147999	0	0	0	0
chr5	148298	152832	10.87	17.42	7.83	14.64
chr5	152976	154445	0	0	0	0
chr5	155383	158054	0	0	0	0
chr5	158550	160895	8.67	8.83	6.47	22.17
chr5	162113	162849	1.26	11.82	0	0
chr5	163627	166382	0	0	0	0
chr5	166753	167301	0	0	0	0
chr5	167302	173004	0	0	0	0
chr5	173008	174255	0	0	14.14	14.03
chr5	174260	175302	0	0	3.21	19.58
chr5	175303	176362	0	0	0	0
chr5	178548	180303	0	0	0	0
chr5	181388	184416	0	0	0.06	5.71

chr5	184637	188924	2.13	5.51	2.65	13.41
chr5	189251	190867	7.06	9.34	0	0
chr5	191369	192925	0	0	0	0
chr5	193002	194768	0	0	0	0
chr5	195921	197420	0	0	0	0
chr5	198051	199253	0	0	0	0
chr5	199895	200746	0	0	52.86	62.98
chr5	201132	203144	3.91	6.66	3.71	17.2
chr5	203439	205307	0	0	1.42	20.4
chr5	205334	207410	0	0	0	0
chr5	207912	215348	0.95	4.65	0	0
chr5	215805	219413	0	0	4.79	13.53
chr5	219759	225620	1.81	4.27	0	0
chr5	226191	227393	0	0	0	0
chr5	227423	228034	0	0	0	0
chr5	229529	231552	0	0	0	0
chr5	231859	239100	0	0	0.7	6.67
chr5	239110	242334	4	3.07	0	0
chr5	243035	243637	8.67	19.1	9.19	19.1
chr5	244845	246433	7.99	10.26	15.54	18.39
chr5	249272	251062	0	0	0	0
chr5	251206	252546	0	0	0.29	9.63
chr5	252579	253271	28.17	22.83	14.72	34.25
chr5	253856	255484	28.34	49.14	24.48	45.88
chr5	255883	259265	0	0	0	0
chr5	259671	260625	0	0	0	0
chr5	260670	262822	0	0	0	0
chr5	262995	264693	16.62	30.09	27.58	21.97
chr5	265104	266708	0	0	0	0
chr5	266768	269446	6.41	7.99	0.96	7.77
chr5	269678	272110	58.51	24.59	61.23	29.44
chr5	272356	274572	0	0	0	0
chr5	274769	277849	0.96	5.62	0.91	9.84
chr5	278235	279652	36.54	29	65.43	85.96
chr5	280057	282931	4.55	11.69	1.04	8.35
chr5	283303	284882	0	0	0	0
chr5	285239	286692	0	0	0	0
chr5	287400	289291	60.48	52.88	110.75	72.87
chr5	289999	292164	6.16	16.95	9.29	16.95
chr5	292660	293684	0	0	8.73	18.65
chr5	293882	295943	4.21	7.76	8.17	26.06
chr5	295944	297380	54.82	66.09	19.51	38.72
chr5	297415	298447	0	0	6.45	19.09
chr5	298514	300810	3.48	27.44	6.28	16.51
chr5	300832	305368	0.86	5.03	6.06	14.11
chr5	306119	310304	0	0	0	0
chr5	310824	313182	7.14	6.23	1.16	5.39
chr5	313215	316645	2.36	5.95	1.73	17.14
chr5	316983	319477	0	0	36.94	18.24
chr5	319672	322101	0.02	0.78	0	0
chr5	323251	324582	0	0	0	0
chr5	325293	326306	0.08	3.16	0	0
chr5	326501	327241	0	0	0	0
chr5	327449	329601	58.53	38.38	111.02	40.38
chr5	329894	334108	14.55	24.77	5.26	13.05
chr5	334123	339425	13.9	23.69	4.02	10.9
chr5	339428	341667	0	0	0	0
chr5	341893	344457	0	0	0.17	12.09
chr5	344625	345294	0	0	0.89	2.69
chr5	345537	346199	0	0	30.92	77.34
chr5	346388	350836	0	0	0.81	5.13
chr5	350943	352472	2.77	8.96	5.31	12.3
chr5	352863	356141	6.79	3.57	5.58	3.57
chr5	356375	358261	0	0	35.57	27.2
chr5	358718	361293	30.64	29.28	38.09	31.5

chr5	362267	365085	0	0	0	0
chr5	365206	365966	54.33	28.95	41.53	52.11
chr5	366490	371214	2.1	6.24	0	0
chr5	372598	372920	59.97	69.57	0	0
chr5	373347	377453	22.85	18.9	8.48	13.78
chr5	378794	384222	0	0	0	0
chr5	384805	385758	14.52	54.14	0	0
chr5	386114	386989	38.51	46.97	28.44	46.97
chr5	387462	388568	41.28	43.13	58.79	49.55
chr5	388908	390665	0	0	0	0
chr5	391460	393163	0	0	0	0
chr5	393273	394206	0	0	0	0
chr5	394239	396977	0	0	0	0
chr5	397069	400809	0	0	0	0
chr5	400817	402721	0	0	7.88	28.57
chr5	402931	403326	7.56	36.2	6.08	36.2
chr5	403581	404101	0	0	0	0
chr5	405633	410595	0	0	2.07	6.83
chr5	410596	414653	8.56	22.63	4.3	9.34
chr5	414919	418068	23.34	12.1	17.24	12.04
chr5	418093	420476	35.12	9.15	27.51	19.14
chr5	420505	422284	27.72	32.04	12.45	44.52
chr5	422317	424220	0	0	0	0
chr5	424396	425379	0	0	0	0
chr5	425687	427795	0	0	3.05	5.93
chr5	427925	429649	2.07	14.62	0	0
chr5	429682	431550	30	43.31	27.85	79.98
chr5	431628	436147	0.03	1.26	0	0
chr5	436245	437321	0	0	0	0
chr5	437662	438735	0	0	0	0
chr5	438862	440236	196.43	82.46	63.33	37.19
chr5	440712	444225	0.02	0.6	0.01	0.6
chr5	445073	446069	8.33	33.23	11.76	33.23
chr5	447302	448192	0	0	0	0
chr5	448680	449557	1732.98	65.91	242.26	72.06
chr5	450465	453263	0.08	4.75	0	0
chr5	453598	454248	0	0	0	0
chr5	454598	455806	1.4	23.76	0	0
chr5	455930	456580	0	0	0	0
chr5	456703	459431	2	15.62	0	0
chr5	459722	461599	0	0	0	0
chr5	461600	466946	1.16	10.27	1.99	10.29
chr5	466962	470207	6.81	34.73	7.68	16.61
chr5	470212	472588	0	0	0	0
chr5	474473	476654	0.02	0.87	0	0
chr5	477204	480133	0.09	8.09	0	0
chr5	481066	484309	40.25	21.31	19.24	27.17
chr5	484310	487749	0.06	0.7	1.52	0.73
chr5	487750	490434	232.4	74.48	255.81	78.69
chr5	490481	495977	0.01	0.38	1.17	6.26
chr5	495991	497126	0.03	1.59	0	0
chr5	497305	500031	135.86	51.61	61.52	42.66
chr5	500628	502181	0	0	0	0
chr5	502577	509990	0	0	4.69	19.63
chr5	509991	511372	0	0	0	0
chr5	511513	512791	8.96	14.79	22.21	32.71
chr5	512792	514107	0	0	0	0
chr5	514299	520387	36.58	23.13	30.41	26.81
chr5	520603	522447	0	0	5.43	25
chr5	522448	523627	0	0	0	0
chr5	523649	525902	4.89	8.08	5.48	8.08
chr5	526346	529337	45.76	27.62	26.12	42.29
chr5	529782	532681	0.05	4.55	17.98	13
chr5	532733	534664	12.27	39.31	12.69	41.07
chr5	534973	535911	0	0	5.77	33.48

chr5	536096	538202	7.17	9.92	0	0
chr5	538355	540664	0	0	0	0
chr5	541229	543252	0	0	0	0
chr5	543253	545692	9.76	39.16	23.27	31.69
chr5	545693	548915	12.83	12.35	21.77	25.05
chr5	549091	553526	48.71	36.62	83.15	41.8
chr5	554821	555589	127.56	82.68	207.78	82.16
chr5	557321	558089	122.89	82.68	197.46	82.03
chr5	559078	561433	41.24	34.31	107.89	43.57
chr5	561434	563326	0	0	0	0
chr5	563347	564986	7.58	45.09	11.77	39.6
chr5	565063	567090	6.63	13.42	10.21	70.2
chr5	568368	569107	18.53	46.28	0	0
chr5	570489	574342	7.84	9.27	9.6	25.3
chr5	574353	578428	0.73	1.77	2.4	7.34
chr5	579140	579970	4.77	65.3	0	0
chr5	580029	583453	1.33	9.64	2.17	9.73
chr5	585388	587747	3.04	9.07	19.03	36.33
chr5	587748	591139	6.68	9.32	2.27	9.29
chr5	591199	594418	37.28	40.32	86.74	58.47
chr5	594430	598357	20.26	21.16	22.4	28.7
chr5	598358	600106	19.45	23	1.65	23
chr5	600321	602120	18.38	28.46	11.22	14.73
chr5	602121	607973	18.23	24.66	3.5	9.69
chr5	608003	613496	3.49	10.9	1.6	8.76
chr5	613530	614459	18.52	19.16	29	64.37
chr5	614542	616045	4.38	26.55	1.1	14.97
chr5	616061	619565	53.33	26.74	10.17	27.03
chr5	619566	623765	38.25	19.48	17.92	25.24
chr5	624582	629551	15.22	12.07	2.45	8.05
chr5	630068	630607	0	0	0	0
chr5	630720	636751	6.71	18.74	9.8	35.09
chr5	636804	639920	0	0	1.46	10.69
chr5	639921	642061	3.32	17.85	22.03	27.48
chr5	642115	644460	56.49	35.01	4.29	16.55
chr5	644516	646692	0	0	12.44	28.17
chr5	646695	652063	20.74	32.58	2.22	8.2
chr5	652325	653472	0	0	0	0
chr5	653932	654691	0.18	1.19	1.14	8.17
chr5	655189	656070	63.94	47.33	11.14	23.04
chr5	657050	661020	1.73	7.18	0	0
chr5	662183	667100	5.21	7.97	3.45	14.11
chr5	667223	667954	0	0	0.82	24.21
chr5	668262	668996	0	0	0	0
chr5	669337	671742	1	6.78	8.82	23.2
chr5	671778	674692	73.05	35.11	131.1	60.47
chr5	674693	677112	95.5	58.08	213.39	62.34
chr5	677304	679535	0	0	0	0
chr5	679669	687688	1.36	9.49	1.23	6.05
chr5	688462	692256	26.1	30.71	17.67	34.9
chr5	692265	695950	0	0	0	0
chr5	696187	697958	2.99	14.57	100.93	52.46
chr5	697968	699470	3.66	46.4	0	0
chr5	699959	701923	238.08	74.69	138.58	73.37
chr5	702614	704672	47.19	21.43	10.85	18.08
chr5	705358	706497	61.7	57.42	133.83	63.13
chr5	707204	716469	56.79	13.93	50.95	20.69
chr5	716470	718111	8.07	31.08	1.27	7.56
chr5	718112	719659	75.3	60.7	26.54	29.28
chr5	719707	721034	139.99	52.15	65.21	52.15
chr5	721062	722969	21.32	27.37	27.98	27.48
chr5	722970	724485	0	0	0	0
chr5	724500	727015	0	0	2.9	7.36
chr5	727099	730279	17.4	22.04	33.46	32.2
chr5	730280	734924	4.9	16.17	2.16	8.98

chr5	735092	740514	5.79	20.56	20.59	24.59
chr5	740821	742608	13.8	16.96	15.97	45.16
chr5	742700	749255	10.38	11.73	0.82	4.06
chr5	749747	752193	1.95	8.59	28.32	25.63
chr5	752223	755464	9.66	11.85	8.5	12.43
chr5	755487	757373	30.44	36.16	32.18	40.88
chr5	757502	759899	13.85	19.4	12.64	27.74
chr5	759903	764699	125.17	47.81	64.67	43.6
chr5	764975	766379	1.12	1	16.51	22.36
chr5	766479	771723	0.24	1.33	16.41	2.59
chr5	771778	773639	0	0	0	0
chr5	773648	775000	0	0	3.83	15.98
chr5	776800	778585	0	0	0	0
chr5	778825	779685	1.66	13.95	3.38	16.51
chr5	779903	780784	0	0	0.34	19.98
chr5	781212	784226	64.89	43	33.78	48.91
chr5	784889	786110	471.74	71.42	264.96	71.42
chr5	786678	788194	0	0	0	0
chr5	788413	789422	4.31	22.99	7.89	61.65
chr5	789466	790048	0	0	8.52	21.13
chr5	790092	793068	0	0	0	0
chr5	793119	794591	0	0	0	0
chr5	794706	798816	12.46	12.46	5.2	14.89
chr5	798870	801397	0	0	0	0
chr5	801677	811981	4.07	6.5	12.02	18
chr5	813254	814816	4.94	15.69	23.14	33.16
chr5	814822	816648	0	0	0	0
chr5	816824	818797	0	0	0	0
chr5	818811	821313	10.4	5.96	4.02	15.23
chr5	821514	823820	105.46	55.12	108.87	84.43
chr5	824250	827850	103.95	47.83	62.21	49.75
chr5	828360	830456	20.72	25.95	1.93	16.41
chr5	830817	832272	0	0	0	0
chr5	832298	834525	0.56	4.89	5	12.57
chr5	834723	836497	0	0	4.43	12.57
chr5	838056	841348	4.13	7.9	3.69	12.88
chr5	842106	844755	18.65	13.82	53.21	31.29
chr5	844756	848224	7.17	23.7	9.96	27.68
chr5	848237	851637	3.11	17.56	2.69	14.97
chr5	851766	853676	11.6	23.46	0	0
chr5	854194	856362	0	0	0	0
chr5	856717	861359	0	0	0	0
chr5	861782	866395	7.84	16.84	14.14	10.25
chr5	866856	870665	13.03	21.08	15.54	24.81
chr5	870898	875622	32.92	22.42	14.06	28.79
chr5	876293	877701	15.31	25.71	3.52	25.71
chr5	878005	880549	0	0	1.54	8.37
chr5	880606	885518	0.14	1.61	0.06	1.61
chr5	885609	891538	21.29	17.59	20.33	35.91
chr5	891539	896764	0	0	0	0
chr5	897738	899092	330.34	44.02	400.25	64.84
chr5	899104	900809	44.81	23.7	10.52	25.4
chr5	901948	902472	41.21	73.28	44.03	100
chr5	902512	903921	0	0	0	0
chr5	904086	906747	0	0	0	0
chr5	907561	910154	0	0	0	0
chr5	910182	912032	42.95	32.43	4.44	22.76
chr5	912078	913658	18.68	15.89	36.34	30.32
chr5	913891	914904	0	0	0	0
chr5	915465	917794	23.95	34.09	14.38	30.74
chr5	917890	922245	3.67	5.58	0.2	6.68
chr5	923651	925240	7.3	15.17	0	0
chr5	925707	927246	0	0	0	0
chr5	927319	928368	0	0	16.37	26.88
chr5	928778	930759	0	0	5.21	6.66

chr5	931009	940059	0.98	2.55	0.59	2.56
chr5	940134	944594	0	0	0.01	0.43
chr5	944809	947044	22.5	14.27	7	6.71
chr5	947124	948341	0	0	0	0
chr5	948342	952458	0	0	0	0
chr5	953197	954837	44.05	53.48	101.98	50.43
chr5	955687	956343	24.97	42.23	12.18	36.59
chr5	956944	958160	331.97	60.12	139.46	76.15
chr5	958563	959833	0	0	2.18	24.17
chr5	959834	961261	37.23	36.23	30.68	34.06
chr5	961270	963327	4.57	19.59	9.05	41.71
chr5	963328	965879	0.1	9.84	0.88	13.64
chr5	965880	971440	33.22	27.93	44.09	42.63
chr5	971460	973173	0	0	0	0
chr5	973455	975260	0	0	2.35	14.07
chr5	975408	976703	0	0	16.19	63.78
chr5	976854	982336	11.56	12.11	4.81	12.39
chr5	982337	985528	0	0	0	0
chr5	986193	988073	8.81	8.4	14.97	15.96
chr5	988468	992872	155.41	12.44	8.98	13.44
chr5	993568	994852	5.81	13.55	9.17	13.55
chr5	994876	996484	32.08	27.49	6.99	8.46
chr5	997145	997981	0	0	10.12	28.59
chr5	998227	999923	0	0	0	0
chr5	1000331	1003071	15.56	7.3	67.87	30.15
chr5	1003228	1004163	206.29	44.92	85.9	55.94
chr5	1004505	1004969	0	0	0	0
chr5	1005305	1005610	0	0	0	0
chr5	1005826	1006926	0	0	0	0
chr5	1007637	1012253	110.81	42.31	54.84	30.13
chr5	1013554	1014912	11.15	36.3	46.95	84.46
chr5	1015633	1022430	0	0	0	0
chr5	1022698	1023382	0	0	0	0
chr5	1023387	1027848	0.01	0.45	0.01	0.45
chr5	1027980	1031578	0.01	1.36	0.63	9.59
chr5	1032025	1033470	0	0	9.67	36.12
chr5	1033841	1035106	0	0	0	0
chr5	1035145	1036845	0	0	0	0
chr5	1037174	1038091	0	0	1.64	11.01
chr5	1038968	1040763	1.87	7.69	0.99	7.63
chr5	1040967	1041407	163.87	82.95	32.28	78.18
chr5	1042319	1056035	3.41	5.11	8.35	17.69
chr5	1056059	1057543	37.93	50.67	49.49	50.07
chr5	1057565	1059178	0	0	0	0
chr5	1059606	1060945	0	0	0	0
chr5	1061125	1064917	0.25	2.27	3	10.94
chr5	1066297	1066638	0	0	0.22	5.57
chr5	1066667	1068922	0.17	5.54	0.78	6.08
chr5	1069413	1078661	5.08	6.39	5.14	6.47
chr5	1078867	1084077	81.98	38.79	62.18	37.95
chr5	1084101	1086155	0	0	0.02	0.93
chr5	1086467	1088780	0	0	0	0
chr5	1088793	1089429	0	0	0	0
chr5	1089832	1090595	0	0	0	0
chr5	1091934	1093766	12.28	64.85	29.67	55.35
chr5	1094134	1097045	12.56	14.81	10.15	18.28
chr5	1097046	1100120	0	0	3.09	4.07
chr5	1100403	1101827	0	0	0	0
chr5	1102291	1104948	0	0	0	0
chr5	1105189	1106992	0	0	0	0
chr5	1107010	1110051	2.74	8.12	0.71	4.6
chr5	1110313	1111610	9.91	11.8	9.18	34.7
chr5	1111850	1116036	33.01	21.98	19.89	31.22
chr5	1116154	1119570	0	0	20.9	31.73
chr5	1119711	1121990	15.53	25.32	8.23	12.9

chr5	1122375	1125167	5.54	15.83	0	0
chr5	1125797	1131519	30.65	30.78	28.76	45.51
chr5	1131520	1138364	42	22.76	37.07	34
chr5	1139975	1146728	0.53	1.53	0.18	1.53
chr5	1147026	1149011	11.21	29.22	13.06	22.22
chr5	1152054	1155120	229.66	54.24	290.55	50.85
chr5	1155321	1155869	303.18	92.34	541.38	58.03
chr5	1155995	1159261	0	0	0.34	5.97
chr5	1160152	1161240	42.11	68.57	77.96	68.47
chr5	1161315	1164257	0	0	0	0
chr5	1165288	1166708	5.78	27.54	0	0
chr5	1167675	1170851	23.9	37.72	7.59	7.75
chr5	1170939	1173597	101.9	27.54	27.4	48.46
chr5	1174356	1177152	0	0	0	0
chr5	1177282	1182465	1.84	11.21	0	0
chr5	1182468	1183797	9.9	46.8	60.87	49.36
chr5	1183801	1186902	2.82	11.93	0.96	3.06
chr5	1187179	1193092	0.01	1.37	0.28	2.52
chr5	1193833	1196869	69.51	35.18	52.3	30.6
chr5	1198193	1202365	0	0	0.97	2.47
chr5	1202384	1206888	3	12.06	2.78	14.99
chr5	1206906	1209109	1076.19	66.77	901.68	68.41
chr5	1209125	1212771	55.04	33.76	31.01	39.36
chr5	1212772	1213991	0	0	0	0
chr5	1213998	1216698	37.58	38.85	29.02	37.89
chr5	1216720	1221263	0	0	0	0
chr5	1222706	1224956	167.21	36.4	140.89	41.02
chr5	1225401	1228455	0.01	0.62	0	0
chr5	1228606	1230993	0	0	0	0
chr5	1231253	1232015	0	0	0	0
chr5	1232707	1233907	0	0	0.81	11.42
chr5	1234093	1236786	0	0	0	0
chr5	1236992	1239669	0	0	0	0
chr5	1239696	1242730	0	0	5.5	31.48
chr5	1242868	1244322	0	0	0	0
chr5	1244373	1246126	0	0	0	0
chr5	1246478	1247913	0	0	0	0
chr5	1247920	1254475	0	0	0	0
chr5	1254652	1255852	16.67	22.58	9.19	22.58
chr5	1255961	1259344	0	0	0	0
chr5	1259358	1261207	3.7	9.19	0	0
chr5	1261520	1264600	0	0	1.54	7.92
chr5	1264761	1265963	10.08	35.27	28.44	44.01
chr5	1265984	1271015	13.75	14.95	10.63	15.46
chr5	1271198	1277876	8.31	13.6	14.46	13.37
chr5	1278279	1280604	4.97	5.72	3.71	22.62
chr5	1280737	1281690	10.97	67.16	6.72	52.57
chr5	1281985	1284480	27.69	20.88	0.12	2.04
chr5	1285339	1285851	0	0	0	0
chr5	1285950	1291429	1.85	2.77	1.87	2.77
chr5	1292132	1295291	0	0	0	0
chr5	1297792	1299945	0	0	0.03	2.74
chr5	1300056	1307329	0	0	4.31	4.37
chr5	1307523	1308786	0	0	0	0
chr5	1309203	1312175	0.33	3.67	0.3	3.67
chr5	1312176	1314229	10.52	20.31	2.83	21.33
chr5	1314243	1315749	37.8	28.82	10.58	15.6
chr5	1315750	1323232	5.29	9.28	5.25	13.22
chr5	1323390	1325481	0	0	0	0
chr5	1325608	1328865	0	0	0	0
chr5	1328934	1334824	1.96	6.77	2.44	8.44
chr5	1335375	1336043	49.04	15.87	16.5	37.28
chr5	1336391	1337827	106.09	18.66	66.68	38.37
chr5	1338009	1351677	16.22	20.11	16.13	17.05
chr5	1352459	1352830	0	0	0	0

chr5	1353270	1355384	75.76	14.9	39.76	30.79
chr5	1355577	1358725	29.66	14.87	31.65	31.67
chr5	1358802	1375856	17.86	19.3	26.44	26.64
chr5	1376718	1378068	4.29	11.56	11.67	35.56
chr5	1378176	1381090	8.23	31.33	2.29	12.8
chr5	1381439	1395326	2.31	4.92	2.73	5.21
chr5	1395559	1397198	21.73	10.43	30.34	31.73
chr5	1398237	1400656	4.22	8.19	10.2	29.68
chr5	1401918	1403129	48.36	13.46	3.26	13.29
chr5	1403254	1404447	0	0	0	0
chr5	1404751	1408520	0	0	0	0
chr5	1409128	1409867	0	0	4.23	21.52
chr5	1411253	1416038	247.67	25.45	244.05	24.64
chr5	1416261	1416703	53.24	50.23	9.36	50.23
chr5	1417633	1424579	1.85	5.47	0	0
chr5	1424872	1434997	0	0	1.06	2.41
chr5	1434998	1439666	182.71	40.32	135.89	43.66
chr5	1440310	1445117	0	0	0	0
chr5	1445119	1449882	18.48	19	28.32	22.57
chr5	1449901	1452629	0	0	7.74	15.58
chr5	1452832	1455663	0	0	0	0
chr5	1455781	1457349	0	0	0.56	11.99
chr5	1457351	1461737	0	0	0	0
chr5	1467636	1468393	0	0	0	0
chr5	1469666	1470615	0	0	0	0
chr6	155	2780	0	0	0	0
chr6	2800	6065	0	0	0	0
chr6	8470	22166	45.14	8.89	26.52	14.95
chr6	22491	38082	8.89	6.79	23.55	8.62
chr6	38177	49073	9.12	4.48	9.07	7.82
chr6	49830	51294	0	0	0	0
chr6	51397	55345	25.87	12.41	6.72	11.7
chr6	55515	59223	12.86	18.34	4.46	25.22
chr6	59576	61281	10.28	11.73	22.67	39
chr6	61344	64368	0	0	0	0
chr6	64375	68587	2	4.46	0.91	9.07
chr6	69351	73459	3.76	17.28	9.67	23.71
chr6	73460	78162	9.21	29.71	5.49	19.35
chr6	78306	86039	3.72	5.69	11.35	14.46
chr6	88421	88837	0	0	0	0
chr6	89182	93654	0	0	0	0
chr6	93873	96288	22.35	4.51	10.86	4.55
chr6	96427	105656	0	0	0	0
chr6	108445	110343	47.26	54.27	64.08	60.91
chr6	113421	114053	118.77	100	167.16	100
chr6	117372	118004	132.06	100	172.69	100
chr6	121323	121955	132.74	100	158.31	100
chr6	125243	126322	269.01	94.35	190.2	95
chr6	127028	141632	0.94	3.61	0.21	2.57
chr6	141675	146761	0	0	0	0
chr6	146789	151001	0.74	2.71	9.17	11.02
chr6	151710	155824	0.01	1.14	0	0
chr6	156914	158637	118.09	59.43	88.74	44.92
chr6	158874	161053	0	0	0	0
chr6	161288	165087	0	0	0.08	7.9
chr6	165472	169907	2.52	7.49	7.61	16.44
chr6	169926	182909	4.03	2.28	1.11	1.95
chr6	183124	185483	0	0	0	0
chr6	186190	188482	0	0	0	0
chr6	189044	190207	16.05	37.4	0	0
chr6	190444	194042	0	0	0.56	4.11
chr6	194999	198498	62.91	24.26	57.08	19.66
chr6	198499	202598	38.63	32.15	23.87	26.91
chr6	202614	205363	0	0	1.09	9.28
chr6	205503	208115	2.89	8.58	0.25	4.44

chr6	208334	211831	0	0	0.21	10.15
chr6	211838	213638	0.76	30.72	0	0
chr6	213956	217133	5.7	25.06	4.38	21.53
chr6	217767	220123	0	0	0	0
chr6	220225	220764	1.16	43.41	0.95	43.41
chr6	221165	223318	97.18	30	14.53	23.59
chr6	223319	224576	0	0	11.86	22.83
chr6	224831	228898	141.27	31.89	132.06	35.6
chr6	228913	230796	1671.92	77.8	71.52	72.23
chr6	230887	232397	140.07	59.27	65.33	51.19
chr6	232797	234884	35.96	36.7	61.62	39.72
chr6	234944	238004	1292.67	45.23	175.05	70.69
chr6	238038	241162	1030.16	60.34	927.52	64.44
chr6	241163	244235	62.03	27.7	59.24	24.09
chr6	244236	246476	13.11	25.8	12.11	29.51
chr6	246583	248997	1.95	11.1	0	0
chr6	249520	253335	265.34	61.65	166.21	66.76
chr6	254279	255316	1.66	8.2	0	0
chr6	255376	256803	14.6	19.34	16.07	39.03
chr6	256897	258597	39.77	17.76	17.99	59.29
chr6	259106	260965	117.06	30.39	67.15	64.39
chr6	261274	261945	15.7	32.19	220.94	57.53
chr6	261961	262970	1.34	35.88	0.51	6.34
chr6	263020	264162	17.21	31.26	8.08	43.87
chr6	264409	265743	12.08	42.28	9.99	69.34
chr6	266851	272172	3.55	10.24	1.52	17.78
chr6	274239	277271	0.41	4.55	1.68	8.51
chr6	277279	278351	24.81	29.29	0	0
chr6	278443	279738	36.52	45.79	16.76	36.83
chr6	279765	282397	0	0	3.36	27.09
chr6	282563	285887	2.6	6.74	0	0
chr6	285910	288083	6.61	17.86	38.85	53.11
chr6	288397	291453	0.04	4.12	6.87	10.8
chr6	292104	294329	51.54	35.28	43.85	41.17
chr6	294636	295493	77.35	47.26	33.69	68.03
chr6	295730	296716	17.51	41.48	53.61	41.58
chr6	296742	299287	0.35	4.95	16.25	16.39
chr6	299300	303321	5.91	7.24	15.1	20.32
chr6	303442	305691	0	0	0	0
chr6	306377	307713	0	0	0	0
chr6	307843	311242	19.46	13.62	0	0
chr6	312338	314249	21.23	48.09	5.82	37.31
chr6	314362	317661	1.47	5.67	0	0
chr6	318015	320263	0	0	0	0
chr6	320284	320757	0	0	0	0
chr6	321458	323808	12.9	28.72	15.64	29.7
chr6	324157	326064	0	0	0	0
chr6	326319	327716	0	0	0	0
chr6	327968	328933	0	0	0	0
chr6	329102	331478	17.49	14.44	25.56	35.19
chr6	332070	336652	0	0	0	0
chr6	336750	338340	0	0	0	0
chr6	338771	340016	14.98	52.69	0	0
chr6	340635	343070	155.47	52.44	97.29	54.99
chr6	343071	346608	0.65	3.19	1.93	9.61
chr6	347065	350752	0.56	3.5	3.23	9.98
chr6	351283	352452	0	0	0	0
chr6	352950	355606	0	0	0	0
chr6	356096	357493	96.55	99.79	119.83	100
chr6	358290	360145	344.26	34.77	221.11	40.43
chr6	360416	362866	0	0	32.31	48.04
chr6	363250	364845	11.5	28.65	29.27	79.69
chr6	365212	368398	0	0	0	0
chr6	368891	370863	0	0	0	0
chr6	371922	378645	4.12	7.56	0.13	1.44

chr6	378887	381477	22.57	43.36	25.72	60.66
chr6	381810	387831	12.16	10.43	5.36	8.64
chr6	388108	391669	40.98	10.19	29.44	9.66
chr6	392819	396121	5.38	8.99	0	0
chr6	396457	397685	0	0	1.24	17.02
chr6	398139	402458	2.28	3.38	2.4	3.36
chr6	402512	406396	0	0	0	0
chr6	406549	412855	0	0	0.05	4.76
chr6	412898	416875	0	0	0	0
chr6	417609	420368	0	0	0	0
chr6	420416	425624	0	0	0	0
chr6	425625	426402	7.24	33.33	2.58	26.51
chr6	427875	428174	0	0	0	0
chr6	429358	430465	1.31	11.92	54	45.53
chr6	430781	432446	0	0	0	0
chr6	432811	435645	0	0	0	0
chr6	436613	439403	0	0	2.19	2.83
chr6	440485	444602	0	0	6.85	13.94
chr6	444634	448248	5.11	3.96	33.72	23.44
chr6	448616	451088	68.99	34.83	89.69	56.84
chr6	451315	453912	0	0	0	0
chr6	453993	454457	0	0	0	0
chr6	455292	455645	0	0	0	0
chr6	455998	460773	1.12	7.66	0	0
chr6	461006	466380	16.67	31.06	5.35	18.83
chr6	466767	468923	2.54	10.81	0	0
chr6	469202	472041	0	0	0	0
chr6	472278	473627	27.22	51.74	63.3	79.47
chr6	473810	479147	0	0	0.8	3.88
chr6	479148	482433	82.91	40.7	77.65	57.38
chr6	482711	483669	0	0	0	0
chr6	483678	484263	0	0	0	0
chr6	485580	486797	0	0	2.18	16.68
chr6	487374	488873	0	0	48.42	36.56
chr6	489516	492269	0	0	0	0
chr6	492506	496667	16.97	18.1	0.43	1.39
chr6	497013	501220	84.17	44.4	43.3	46.21
chr6	501516	504498	34.55	36.59	20.33	18.91
chr6	504610	505729	48.88	15.55	4.18	15.46
chr6	506019	511759	48.82	31.72	70.05	54.55
chr6	512217	513528	67.64	28.91	54.89	43.1
chr6	514165	516106	0.01	0.67	0.01	0.67
chr6	516990	518366	0	0	0	0
chr6	518423	520630	0	0	0.12	1.22
chr6	520826	521584	0	0	0	0
chr6	522108	524018	0	0	0	0
chr6	524427	526805	0.03	1.6	0	0
chr6	526806	527409	0	0	0	0
chr6	527921	531643	4.15	22.38	4.1	12.28
chr6	532395	538082	23.92	10.37	11.01	19.59
chr6	538519	539123	0	0	0	0
chr6	539200	541029	0	0	0	0
chr6	541152	541568	0	0	0	0
chr6	541786	542922	0	0	0	0
chr6	543550	544107	0	0	0	0
chr6	545774	548365	2.33	10.54	3.48	10.54
chr6	548591	550611	0	0	11.66	48.07
chr6	551010	551285	0	0	0	0
chr6	552425	553065	9.43	35.47	11.33	35.47
chr6	553980	554324	36.7	43.6	42.97	43.9
chr6	555426	557626	92.76	28.82	47.4	28.82
chr6	558439	559464	4.35	38.15	88.51	91.8
chr6	560676	561619	0	0	0	0
chr6	561880	563489	0	0	0	0
chr6	563971	570977	0	0	0	0

chr6	571157	572713	15.89	15.36	9.72	37.34
chr6	572714	578792	12.83	13.39	20.99	22.69
chr6	578804	582091	0	0	0	0
chr6	582389	583052	0	0	14.12	50.53
chr6	583222	583731	0	0	24.61	74.07
chr6	583829	585707	5.75	29.39	20.67	30.24
chr6	586777	591302	0	0	0	0
chr6	591316	593066	0	0	0	0
chr6	593165	593745	0	0	0	0
chr6	593951	596623	14.33	19.72	4.22	18.86
chr6	597745	598288	74.24	60.96	18.75	60.96
chr6	598302	599377	0	0	0	0
chr6	599634	601128	10.35	7.56	9.15	18.88
chr6	601155	604626	0	0	17.08	8.96
chr6	604719	606254	30.89	16.03	9.84	16.09
chr6	606255	608052	0.42	1.11	0.04	1.11
chr6	610288	611280	7.15	24.4	0	0
chr6	611763	613076	0	0	0	0
chr6	613580	618108	0	0	0	0
chr6	618247	619541	57.4	49	1019.9	29.44
chr6	619738	621401	7.38	54.3	44.57	56.04
chr6	621467	623424	40.38	11.65	18.03	19.62
chr6	623600	631924	0	0	0	0.3
chr6	632223	634123	12.25	39.68	2	28.11
chr6	634527	635375	76.4	40.92	65.13	35.61
chr6	636604	638049	3.03	9.83	6.19	9.83
chr6	638733	640407	6.73	25.21	7.85	25.21
chr6	640472	641862	0	0	0	0
chr6	641876	644487	0	0	2.16	10.88
chr6	644488	650810	36.8	5.66	7.1	5.11
chr6	650822	652153	0	0	0	0
chr6	652320	654899	5.76	10.66	32.16	33.89
chr6	654905	656633	0	0	0	0
chr6	658466	660832	0	0	0.01	1.01
chr6	660973	662615	0.02	1.22	0	0
chr6	663860	664753	0	0	0	0
chr6	664972	666865	0	0	0	0
chr6	666880	670260	0.01	0.56	10.36	6.36
chr6	670760	671476	17.35	55.59	117.03	55.59
chr6	672071	672895	0	0	28.12	50.49
chr6	673616	673975	84.83	70.75	5.28	42.62
chr6	674811	676505	1.92	5.96	0	0
chr6	677059	678327	0	0	0	0
chr6	678328	680516	6.7	33.87	1.53	10.83
chr6	680893	682557	0	0	0	0
chr6	683110	684991	0	0	0	0
chr6	685221	689680	0.01	0.47	0	0
chr6	690146	691300	0	0	0	0
chr6	692611	693822	0	0	0	0
chr6	694087	696459	0	0	8.9	10.88
chr6	696763	697849	0	0	0	0
chr6	697871	699960	84.51	66.87	225.38	61.8
chr6	700157	700794	0	0	0	0
chr6	700948	701946	0	0	0	0
chr6	702217	703737	9.39	12.63	11.1	12.63
chr6	704484	707851	41.97	39.41	13.24	23.34
chr6	708214	711868	10.5	20.14	16.79	34.56
chr6	712447	714051	0	0	0.07	1.18
chr6	714614	716263	0	0	0.03	2.55
chr6	716932	718707	0	0	0	0
chr6	718761	720268	34.25	16.39	7.92	24.22
chr6	720269	721027	0	0	0	0
chr6	721305	727415	3.18	4.03	1.12	5.55
chr6	727579	728445	8.94	7.74	0	0
chr6	728577	729544	0	0	0	0

chr6	731420	734117	0	0	0	0
chr6	734419	738480	7.44	10.49	9.03	10.49
chr6	740594	743365	7.61	7	0.12	5.92
chr6	745871	746978	0	0	4.21	61.79
chr6	747253	755885	0	0	0	0
chr6	755886	756989	24.36	23.48	8.98	23.48
chr6	757520	758656	13.08	18.05	4.72	38.29
chr6	758665	760444	6.84	19.34	22.46	24
chr6	760505	761845	28.4	14.33	51.97	14.33
chr6	761848	763511	0	0	0	0
chr6	763615	765748	25.73	44.91	8.26	34.46
chr6	765750	770045	0	0	2.48	8.87
chr6	770059	774423	29.53	22.48	15.69	12.12
chr6	774424	777798	0	0	0	0
chr6	778021	780621	0	0	3.71	17.04
chr6	780723	784726	0.93	2.5	5.5	2.52
chr6	784809	788444	0.01	0.63	0.01	0.58
chr6	788748	791805	30.49	10.86	13.35	11.45
chr6	793020	810103	51.7	17.01	49.92	23.96
chr6	810155	812285	0	0	0	0
chr6	812876	818183	6.12	14.47	6.39	9.03
chr6	818706	820137	0	0	3.57	16.63
chr6	820159	821615	5.12	39.08	1.02	21.77
chr6	821867	824984	0.03	2.95	0	0
chr6	825035	829946	0	0	2.96	9.04
chr6	830105	831445	0.2	5.6	3.33	32.54
chr6	832460	834008	0	0	0.07	6.91
chr6	834579	836594	0	0	0	0
chr6	837194	840076	25.03	22.24	16.98	50.03
chr6	840591	847311	0.01	0.28	0	0
chr6	847483	848522	28.19	22.52	31.61	52.55
chr6	848687	849361	0	0	0	0
chr6	849534	851315	23.62	25.32	19.62	13.64
chr6	851783	853823	0.28	13.28	28.31	41.81
chr6	853901	855273	6.62	15.89	4.95	15.82
chr6	855299	860002	2.11	14.31	6.82	15.08
chr6	860339	862946	0	0	0	0
chr6	864011	868897	0.11	1.62	0.67	6.82
chr6	869665	870614	0.94	34.04	3.27	23.29
chr6	871430	872302	34.3	42.2	24.23	42.2
chr6	873315	874187	33.66	48.62	23.5	31.88
chr6	875200	876072	39.44	52.52	22.55	37.27
chr6	877085	877823	6.95	21	2.71	10.43
chr6	878904	879554	9.53	18	3.46	13.23
chr6	880723	881500	10.04	46.72	3.1	35.14
chr6	882513	883291	7.15	38.56	3.11	17.1
chr6	884304	885082	7.57	29.82	2.85	11.05
chr6	886095	886872	8.55	54.7	2.99	18.28
chr6	887885	888663	6.83	45.76	3.16	25.84
chr6	889676	890454	7.39	50.9	3.05	25.84
chr6	891467	892244	10.29	43.5	3.51	20.33
chr6	893257	894067	16.7	43.46	5.92	37.28
chr6	895080	895857	7.66	32.05	3.22	11.07
chr6	896870	897796	5.94	31.43	2.79	19.01
chr6	898714	899694	15.48	52.96	4.84	44.49
chr6	900707	901512	0.44	19.25	0.3	19.25
chr6	902527	903390	0.35	23.17	0.24	17.96
chr6	904363	905226	0.08	5.68	0	0
chr6	906199	907063	0.77	22.92	0.27	16.9
chr6	907970	908359	10.82	29.05	0.69	29.05
chr6	908730	910754	0	0	0	0
chr6	911888	916694	10.98	7.8	14.65	7.39
chr6	917072	917787	0	0	0	0
chr6	917788	919941	0	0	0	0
chr6	919992	921914	0.02	0.99	0	0

chr6	922158	923960	11.45	23.92	4.24	38.07
chr6	924274	929519	10.69	12.09	21	14.8
chr6	929705	929998	0	0	0	0
chr6	930383	931003	0	0	0	0
chr6	931547	936808	134.58	44.95	40.79	44.65
chr6	936809	939517	0	0	0	0
chr6	939525	940805	0	0	5.66	14.14
chr6	940806	944178	0	0	0	0
chr6	945073	949166	12.87	11.65	10.5	11.63
chr6	951147	953846	0.13	3.96	8.03	22.19
chr6	953861	956605	25.08	25.55	9.13	16.11
chr6	957021	957380	49.23	68.25	100.28	67.69
chr6	957889	963114	41.06	29.11	58.92	17.47
chr6	963968	965706	0	0	0	0
chr6	965903	968335	0	0	0	0
chr6	968423	970725	10.55	21.03	20.28	41.53
chr6	970921	972945	154.56	66.5	58.89	48.17
chr6	973613	976775	0	0	0	0
chr6	977021	978307	58.32	32.27	55.23	32.35
chr6	978748	980988	33.05	26.65	29.56	26.65
chr6	981190	982203	0	0	0	0
chr6	982240	988008	14.96	22.47	26.9	37.47
chr6	988011	991201	14.55	25.49	21.06	31.6
chr6	991225	993503	0	0	0	0
chr6	993522	997455	186.73	47.34	125.17	44.32
chr6	997590	1002115	1.29	3.4	1.68	3.4
chr6	1002117	1004317	0	0	1.61	12.05
chr6	1004518	1013731	6.01	5.94	3.46	6.1
chr6	1015542	1015796	0	0	0	0
chr6	1016332	1023376	0.01	0.27	0	0
chr6	1023703	1026641	11.66	15.86	4.53	18.75
chr6	1026964	1030252	17.08	13.59	13.49	4.74
chr6	1030325	1032704	0	0	0	0
chr6	1033604	1034935	0	0	8.41	19.31
chr6	1035123	1037832	0	0	0	0
chr6	1038101	1043529	10.3	29.99	11.86	15.44
chr6	1043622	1047619	0.29	3.63	7.88	10.48
chr6	1047728	1049053	0	0	12.8	16
chr6	1049054	1050510	0	0	0	0
chr6	1050997	1057253	4.16	10.68	1.29	11.7
chr6	1058101	1060711	98.22	25.36	22.81	39.69
chr6	1060854	1063249	0.02	0.79	0	0
chr6	1063385	1065444	0	0	0.54	6.9
chr6	1065759	1072658	1.14	2.99	3.19	3.26
chr6	1073310	1077955	0	0	2.13	9
chr6	1078643	1081312	0	0	0	0
chr6	1081536	1082093	0	0	0	0
chr6	1083116	1088880	0	0	0.38	2.74
chr6	1089318	1092603	19.76	18.54	40	8.07
chr6	1092604	1095758	6.49	28.54	28.68	18.36
chr6	1096271	1097985	0	0	5.39	8.23
chr6	1099669	1101522	0	0	0	0
chr6	1102712	1103863	122.46	52.82	112.46	52.74
chr6	1105732	1109700	29.25	15.88	62.67	13.61
chr6	1109708	1115379	3.96	5.04	16.23	9.93
chr6	1116041	1118178	0	0	0	0
chr6	1118493	1119478	0	0	0	0
chr6	1119493	1122163	29.62	24.94	9.66	35.81
chr6	1122613	1125859	29.07	7.18	31.16	22.06
chr6	1125898	1126860	0	0	0	0
chr6	1126890	1131121	0	0	0	0
chr6	1131479	1132915	0	0	0	0
chr6	1133777	1138508	0	0	0	0
chr6	1139019	1142053	0	0	0.95	15.59
chr6	1142087	1146582	9.81	9.3	31.44	12.44

chr6	1146607	1150039	0	0	0	0
chr6	1150462	1153241	0.04	0.68	0	0
chr6	1153826	1157523	79.87	23.91	67.29	13.34
chr6	1157543	1158197	0	0	0	0
chr6	1158207	1159398	0	0	0	0
chr6	1159596	1161239	0	0	0	0
chr6	1161966	1165878	0	0	0	0
chr6	1167154	1167712	0	0	0	0
chr6	1168207	1169900	0	0	0	0
chr6	1170260	1171799	0	0	0	0
chr6	1172284	1174533	0	0	0	0
chr6	1176636	1178607	0	0	0	0
chr6	1178709	1179581	0	0	0	0
chr6	1180009	1188533	0	0	0	0.4
chr6	1189099	1194099	5.11	17.7	22.64	20.58
chr6	1194115	1200264	0.01	0.31	0	0
chr6	1200303	1202166	0	0	0	0
chr6	1204664	1206554	5.1	7.62	0	0
chr6	1206577	1208792	0	0	0	0
chr6	1209060	1212456	9.76	22.11	8.67	22.08
chr6	1213318	1213909	477.54	59.73	532.92	56.51
chr6	1214728	1217102	1.29	9.69	0	0
chr6	1217103	1221289	54.77	31.94	17.96	27.59
chr6	1221968	1224865	6.97	9.8	0.88	18.19
chr6	1225377	1228199	0	0	0	0
chr6	1228281	1229928	0	0	0	0
chr6	1229944	1231237	4.51	29.85	0	0
chr6	1231484	1237399	32.78	22.16	24.18	22.62
chr6	1237400	1243104	0	0	0	0
chr6	1244417	1247128	0	0	0	0
chr6	1247348	1249359	1.76	6.27	9.42	7.46
chr6	1251081	1252947	0	0	5.49	11.09
chr6	1252968	1254885	62.02	28.33	26.96	46.95
chr6	1255226	1263432	0.01	0.49	1.31	7.07
chr6	1263433	1268340	5.85	4.87	18.05	16.12
chr6	1268345	1272609	1.27	2.93	10.25	6.12
chr6	1272938	1277514	1.94	15.56	4.27	10.93
chr6	1277524	1281802	0	0	0	0
chr6	1283360	1291024	7.39	2.58	5.58	10.23
chr6	1299336	1304014	6.58	18.26	1.32	8.49
chr6	1306275	1307767	0.52	9.45	1.81	18.3
chr6	1308081	1309558	0	0	0	0
chr6	1309712	1315441	0	0	0	0
chr6	1316101	1316391	0	0	0	0
chr6	1320658	1321239	0	0	0	0
chr6	1324875	1330121	0	0	0	0
chr6	1334047	1334592	0	0	0	0
chr6	1339878	1341016	0	0	0	0
chr6	1342763	1343489	0	0	0	0
chr6	1344760	1345734	0	0	0	0
chr6	1347143	1347964	0	0	0	0
chr6	1349499	1349747	0	0	0	0
chr6	1349756	1350544	0.4	12.18	1.46	12.18
chr6	1351469	1351795	0	0	0	0
chr6	1353098	1353697	0	0	0	0
chr6	1354077	1354382	0	0	0	0
chr6	1355216	1393462	0	0.14	0	0
chr7	6151	6513	0	0	0	0
chr7	6579	7987	0	0	0	0
chr7	19869	25939	0.65	2.83	3.27	11.02
chr7	25968	26622	0	0	0	0
chr7	26976	27872	0	0	0	0
chr7	27890	30931	0.47	3.29	7.04	11.74
chr7	31336	35929	5.3	5.97	5.35	5.99
chr7	36517	39564	18.54	17.23	31.53	19.36

chr7	42544	43898	0	0	61.83	44.39
chr7	43899	45463	0	0	25.6	15.98
chr7	45805	49440	0	0	10.1	12.16
chr7	49538	53137	0	0	0.01	0.67
chr7	53180	57002	0	0	0	0
chr7	58578	61581	0	0	0	0
chr7	62290	77082	34.99	21.22	52.4	22.09
chr7	77146	85064	1.98	4.4	2.64	4.4
chr7	86236	88859	0	0	0	0
chr7	89319	91503	4.81	6.55	18.03	36.36
chr7	91518	95190	56.44	15.36	28.75	20.04
chr7	95609	102074	7.42	12.85	5.11	7.07
chr7	102686	103363	0	0	0	0
chr7	103438	105031	11.05	10.36	18.55	10.3
chr7	105286	109286	23.32	16.88	27.91	15.45
chr7	109621	111224	3.8	24.45	5.99	21.09
chr7	111275	113444	0.06	5.53	0	0
chr7	113696	116185	23.12	21.45	14.27	21.45
chr7	116385	122713	0.09	2.13	3.85	6.64
chr7	122823	129840	0.01	0.64	6.53	17.3
chr7	132954	134076	0	0	0	0
chr7	134388	134764	0	0	0	0
chr7	136127	136903	72.58	46.13	28.14	46.13
chr7	137350	139156	84.2	64.06	88.71	72.15
chr7	139271	141065	26.21	28.99	4.93	31.1
chr7	141077	142245	0	0	0	0
chr7	142710	146567	0	0	3.1	7.96
chr7	147242	153514	0	0	0.92	4.82
chr7	153730	164778	1.1	0.85	0	0
chr7	164808	165059	120.03	73.71	0	0
chr7	165873	168291	0	0	0	0
chr7	169792	172295	0.05	0.84	0.02	0.76
chr7	172813	175188	0	0	0	0
chr7	175203	177186	1.03	3.58	0	0
chr7	177283	179159	0	0	0	0
chr7	179174	180563	0	0	0	0
chr7	180737	194919	0.27	0.91	3.41	5.27
chr7	195109	202364	5.43	6.73	0.67	4.81
chr7	203059	206327	16.21	7.07	2.25	6.98
chr7	207635	212339	16.98	30.82	19.7	30.12
chr7	212479	213819	0	0	0	0
chr7	214343	218920	0	0	0	0
chr7	219865	223270	0	0	0	0
chr7	223839	228956	10.18	9.52	2.3	9.6
chr7	229701	232607	1.23	10.29	4.78	11.05
chr7	232836	233346	0	0	0	0
chr7	233392	239230	42.21	18.79	105.74	47.26
chr7	239684	242679	52.25	26.78	5.27	16.39
chr7	242709	244914	0	0	0	0
chr7	245311	247226	111.71	36.34	48.87	34.2
chr7	247227	248507	15.21	22.03	6.84	18.83
chr7	248972	250609	0	0	0	0
chr7	251117	252109	0	0	0	0
chr7	252142	252543	0	0	0	0
chr7	252558	254819	30.38	14.68	5.52	15.17
chr7	255124	259246	27.41	17.54	54.06	31.54
chr7	259416	262434	0	0	0	0
chr7	263141	264088	0	0	0	0
chr7	264756	267416	0	0	0	0
chr7	267632	272730	2.81	4.73	3.2	4.49
chr7	272731	275321	0	0	7.09	26.87
chr7	275827	278577	51.77	60.91	22.62	66.29
chr7	279250	280653	6.12	39.56	0	0
chr7	280992	282270	0	0	0	0
chr7	282271	284542	0	0	0	0

chr7	284590	286890	0	0	0	0
chr7	286936	288905	0	0	0	0
chr7	288993	290484	2.43	28.5	3.64	17.97
chr7	290485	299716	55.89	23.06	15.01	20.43
chr7	300439	310555	17.02	18.11	12.39	26.29
chr7	310757	313839	1	8.6	3.1	27.13
chr7	314008	316435	136.51	65.68	76.62	67.12
chr7	316873	317976	0	0	0	0
chr7	318054	319080	0	0	0.02	2.24
chr7	319393	321115	0	0	13.22	20.73
chr7	321222	331955	7.73	10.76	6.99	12.7
chr7	332239	336814	0	0	0	0
chr7	337192	339066	0	0	3.04	10.46
chr7	339308	340711	2.81	14.61	0	0
chr7	341262	342566	19.63	22.55	7.04	22.47
chr7	343612	353517	52.22	10.37	266.55	6.34
chr7	353706	354919	0	0	0	0
chr7	355587	360107	2.84	8.03	47.96	40.84
chr7	360339	367625	0	0	0	0
chr7	367759	369794	19.09	22.8	90.47	42.16
chr7	370082	374825	0.52	3.2	0	0
chr7	375360	377091	16.21	36.34	32.9	61.58
chr7	377233	382837	0	0	0	0
chr7	382846	383400	0	0	0	0
chr7	383974	384450	0	0	0	0
chr7	385183	392737	76.47	27.52	54.72	33.57
chr7	392739	395087	110.32	42.25	64.94	55.58
chr7	395421	396869	13.17	13.26	16.5	13.26
chr7	397170	400785	0	0	0	0
chr7	400786	405302	12.08	24.87	23.32	32.68
chr7	405801	408164	0	0	0	0
chr7	408805	415350	0	0	0	0
chr7	415351	416920	28.26	37.16	38.31	47.74
chr7	417003	419065	231.66	12.9	38.23	36.66
chr7	420279	421998	0	0	0	0
chr7	422710	424247	0	0	0	0
chr7	424324	427228	1.92	11.67	0	0
chr7	427304	428703	0.12	4.57	3.02	9.15
chr7	428704	433172	30.72	16.9	14.88	26.52
chr7	433595	434287	100.85	44.94	69.75	99.71
chr7	434521	435939	0	0	0	0
chr7	436087	437418	4.74	6.01	0	0
chr7	438383	439684	0	0	0	0
chr7	439766	441054	18.29	33.46	0	0
chr7	441281	445441	4.08	11.51	0	0
chr7	446629	450390	108.55	42.06	105.66	40.1
chr7	451817	453100	3.42	14.42	34.85	63.83
chr7	454100	455719	0	0	3.32	4.45
chr7	457183	459949	15.83	20.5	46.74	45.01
chr7	460172	463954	0.51	1.37	0	0
chr7	464157	466115	0	0	22.96	8.84
chr7	466132	467245	48.85	39.35	0	0
chr7	467492	469477	0	0	0	0
chr7	470983	472707	25.59	56.79	0	0
chr7	473504	476706	50.12	29.45	91.77	64.3
chr7	476901	478141	2.27	25.16	17.78	25.16
chr7	478169	483274	0.01	0.27	2.9	4.15
chr7	483290	489146	21.48	16.05	33.4	27.61
chr7	489298	494933	0	0	0	0
chr7	495444	499403	0	0	0.39	4.34
chr7	499837	506073	87.58	32.76	72.46	38.81
chr7	506118	509180	0	0	0	0
chr7	509181	512704	10.06	12.15	15.9	14.99
chr7	513107	514168	0	0	0	0
chr7	514486	517392	5.08	31.93	2.63	8.22

chr7	518681	520571	21.38	13.92	9.31	17.04
chr7	521068	522134	97.39	62.85	54.11	71.29
chr7	522963	524974	32.51	16.86	2.32	8.06
chr7	525103	531552	10.88	11.74	4.82	11.94
chr7	532257	535462	99.63	18.5	97.37	27.77
chr7	535494	535898	10.28	37.87	0	0
chr7	536327	537790	0	0	0	0
chr7	538218	540669	0	0	3.9	28.8
chr7	540792	542463	28.36	50.45	7.75	51.71
chr7	542865	544039	0	0	0.05	5.11
chr7	544143	546315	0	0	0	0
chr7	546334	549221	7.85	24.18	12.36	46.73
chr7	549579	551430	140.65	46.89	108.2	52.3
chr7	551458	552586	47.23	36.08	0	0
chr7	553252	554052	0.12	4.88	464.9	41.88
chr7	555568	556824	3219.97	77.47	327.86	72.85
chr7	558262	559050	71.93	20.56	6.08	14.72
chr7	559051	560854	0	0	0	0
chr7	561474	563096	61.19	45.07	98.05	63.38
chr7	563331	565013	0	0	3.6	51.84
chr7	565102	566845	27.46	36.6	24.94	34.31
chr7	566860	568603	8.26	42.23	4.82	43.83
chr7	569015	570964	0	0	0.79	8.16
chr7	571692	578689	0.45	1.44	3.72	13.43
chr7	578715	581687	18.31	19.52	5.56	34.29
chr7	581764	586499	5.43	13.98	1.7	5.09
chr7	586840	589452	9	15.62	36.04	31.89
chr7	589586	590764	51.61	14.77	30.3	14.6
chr7	594016	596691	3.78	8.82	4.85	15.36
chr7	596847	601772	15.02	12.02	22.76	34.48
chr7	601912	608890	32.15	22.14	27.31	22
chr7	609294	612157	46.17	47.01	28.37	53.55
chr7	615609	616966	67.32	47.24	20.46	47.24
chr7	617648	623908	37.33	21.95	39.74	31.71
chr7	624483	627584	0	0	8.67	23.35
chr7	627614	630845	252.81	42.12	363.62	46.27
chr7	630846	632716	3.17	14.65	21.97	39.3
chr7	632717	636231	31.4	28.83	49.6	48.55
chr7	636232	637328	0.07	1.73	0	0
chr7	637690	639460	128.29	41.64	96.64	46.95
chr7	639941	645550	15.92	19.52	30.27	36.08
chr7	646005	647303	68.68	44.22	12	35.67
chr7	649993	656409	3.8	3.58	2.84	8.71
chr7	659073	664609	32.1	16.6	19.56	16.94
chr7	664613	666549	3.83	7.95	7.99	20.92
chr7	666563	668991	35.33	39.46	6.42	28.67
chr7	669338	670741	93.75	61.3	45.64	33.21
chr7	671279	672823	5.95	14.7	16.12	18.59
chr7	673052	674865	4.54	11.58	0	0
chr7	675243	676725	26.85	16.4	0	0
chr7	676852	678593	0	0	0	0
chr7	678775	682047	9.2	16.41	0	0
chr7	682048	683634	22.78	47.73	5.53	28.81
chr7	683649	688205	15.54	31.52	10.03	23.75
chr7	688206	689886	0.02	0.95	0	0
chr7	690029	692533	19.55	9.78	9.93	37.66
chr7	692852	694707	128.21	43.77	25.9	43.72
chr7	694708	695875	0	0	0	0
chr7	696260	696790	0	0	0	0
chr7	696904	697353	0	0	0	0
chr7	697750	698238	8.1	10.66	1.34	22.75
chr7	698622	698918	0	0	0	0
chr7	699724	702304	0.15	14.96	0	0
chr7	702305	704886	8.7	8.68	2.6	8.72
chr7	705047	706455	0	0	0	0

chr7	707139	708867	12.98	25.81	24.05	31.02
chr7	709339	711184	113.83	57.4	232.66	70.41
chr7	711764	713735	70.76	64.38	45.11	63.17
chr7	715276	715572	0	0	0	0
chr7	717033	718986	0	0	4.65	25.24
chr7	719480	724246	141.44	47.21	179.2	54.76
chr7	724810	726768	0	0	60.1	17.88
chr7	726772	728435	0	0	1.72	14.61
chr7	728436	732582	8.8	18.11	3.67	10.93
chr7	732583	740130	32.13	25.45	35.64	43.14
chr7	740145	743653	0	0	24.07	8.69
chr7	744098	746665	20.71	25.28	11.63	27.11
chr7	747178	748110	19.41	22.32	34.14	22.32
chr7	748294	749654	0	0	1.28	52.28
chr7	751012	751347	64.31	100	123.72	100
chr7	751356	752645	3.52	15.83	2.55	15.83
chr7	753545	755309	0	0	20.43	17.97
chr7	755659	757533	27.44	18.68	11.43	13.02
chr7	757656	759899	0	0	0	0
chr7	760345	763786	0	0	0	0
chr7	763801	766971	0	0	0.19	0.76
chr7	768228	769161	0	0	51.5	43.84
chr7	771583	772653	0	0	0	0
chr7	772939	775826	0	0	2.74	19.02
chr7	776156	778796	3.31	5	4.96	29.96
chr7	778993	781820	0	0	18.02	21.72
chr7	781841	783862	0	0	2.99	12.57
chr7	783863	785623	0	0	0	0
chr7	786188	787673	11.62	13.27	12.89	35.76
chr7	789669	791162	0	0	0	0
chr7	791566	793066	5.22	6.67	0	0
chr7	793080	795951	29.5	10.52	9.65	10.52
chr7	796096	796577	0	0	0	0
chr7	797034	798183	0	0	0	0
chr7	798733	799887	83.1	53.99	29.75	56.15
chr7	800864	801943	0	0	0.83	10.38
chr7	802007	803307	0	0	0	0
chr7	804897	806150	50.24	9.9	29.89	9.9
chr7	806547	810913	5.64	9.96	0	0
chr7	810914	814250	11.66	18.32	4.03	5.94
chr7	814308	815563	0	0	0	0
chr7	815611	817085	0	0	0	0
chr7	817330	824386	20.77	14.6	10.96	38.42
chr7	824387	827231	7.11	9.46	28.42	21.69
chr7	827244	829596	0	0	0	0
chr7	829872	832003	0.1	5.21	5.02	13
chr7	832872	834041	0.22	20.19	0	0
chr7	834874	835640	0	0	0	0
chr7	835878	839940	5.82	5.34	2.12	5.34
chr7	839983	841075	0	0	0	0
chr7	841100	844678	5.42	10.06	17.85	16.71
chr7	845532	846474	12.97	37.05	11.77	36.41
chr7	846529	848918	0	0	0	0
chr7	848945	853183	50.71	35.11	44.52	39.43
chr7	853746	858487	0.04	0.44	0.18	0.84
chr7	858565	858858	0	0	0	0
chr7	859492	861643	8.2	19.48	0	0
chr7	861644	864667	0	0	0	0
chr7	864675	866288	0.16	1.18	7.43	16.99
chr7	867904	870368	11.86	25.65	2.14	23.82
chr7	870458	872597	3.44	17.53	4.12	19.03
chr7	872920	873729	0	0	0	0
chr7	874026	875135	0	0	0	0
chr7	875534	878061	1.12	5.38	2.09	11.28
chr7	878350	882561	0	0	0.46	5.15

chr7	882671	886371	0	0	0	0
chr7	886410	888596	0	0	23.94	23.83
chr7	888597	890452	33.89	22.8	0	0
chr7	892994	894978	23332.15	49.4	16207.75	54.99
chr7	895387	897593	28.17	19.08	5.89	19.08
chr7	898277	901037	0.67	3.33	8.06	11.05
chr7	901055	904168	0	0	3.47	7.52
chr7	904192	905138	211.07	36.47	179.04	64.06
chr7	905428	907547	0.31	10.34	3.17	19.25
chr7	908252	909818	62.2	51.53	0.02	1.21
chr7	910297	911206	0	0	0	0
chr7	912337	913203	163.46	68.24	108.89	72.75
chr7	913946	917004	18.97	24.75	41.79	51.64
chr7	917080	920426	87.39	40.41	101.4	41.36
chr7	920583	922634	0	0	0	0
chr7	922651	924410	0	0	10.24	22.06
chr7	924794	925940	15.59	7.94	0	0
chr7	926084	927517	14.32	26.45	9.12	26.45
chr7	928397	929582	0	0	0	0
chr7	930323	932306	0	0	0	0
chr7	932559	936290	12.35	13.51	8.02	13.51
chr7	936367	941817	0	0	0.03	1.32
chr7	942797	947878	53.42	86.36	19.58	91.08
chr7	948615	949449	0	0	0	0
chr7	949920	955160	0	0	0	0
chr7	955259	958039	0	0	0	0
chr7	958040	962221	0	0	0.08	7.73
chr7	962903	966233	196.36	95.23	131.12	95.14
chr7	967122	967709	80.11	59.8	62.67	11.58
chr7	968007	969341	0	0	0	0
chr7	969833	971455	0	0	0	0
chr7	971623	972012	0	0	20.45	41.39
chr7	972286	972828	10.65	50	11.9	50
chr7	973101	973934	20.75	34.57	28.91	34.57
chr7	974127	975669	0	0	0	0
chr7	976124	981237	0	0	0	0
chr7	981467	985007	2.57	5.11	30.37	18.73
chr7	985022	989832	0	0	1.46	5.74
chr7	990255	994697	95.06	29.92	55.68	26.05
chr7	995173	998304	3.62	17.89	11.11	28.11
chr7	998577	1004261	1.08	2.32	1.02	2.32
chr7	1004262	1013771	0.06	2.71	2.42	7.12
chr7	1014126	1015814	110.78	52.43	92.22	52.43
chr7	1016367	1017857	0	0	0	0
chr7	1018227	1019372	6.6	14.41	5.87	14.76
chr7	1019936	1021337	0	0	14.55	30.91
chr7	1023259	1026343	10.49	18.74	17.39	18.39
chr7	1026684	1027503	0	0	0	0
chr7	1027529	1031911	14.84	21.54	45.2	27.2
chr7	1032119	1034495	0	0	0	0
chr7	1034718	1038562	132.61	75.44	216.15	75.18
chr7	1038563	1044317	0	0.4	0.58	5.65
chr7	1044692	1052638	0	0.24	0	0
chr7	1052833	1054584	0.92	10.39	12.83	55.45
chr7	1054867	1057296	26.79	13.59	72.32	18.86
chr7	1057635	1060859	1.21	9.24	13.28	29.93
chr7	1061142	1064003	20.52	26.67	30.05	28.24
chr7	1064221	1066827	0	0	0	0
chr7	1066828	1067986	0	0	0	0
chr7	1068084	1071750	11.21	12.82	39.01	31.83
chr7	1071921	1073289	0	0	0	0
chr7	1073290	1077598	13.9	6.66	3.96	3.16
chr7	1078836	1081144	0	0	0	0
chr7	1081196	1083642	0	0	5.25	14.96
chr7	1084874	1088012	11.43	18.64	6.4	26

chr7	1088884	1090185	0	0	0.1	3.31
chr7	1090413	1094177	0.07	4.22	2.36	4.57
chr7	1094370	1097334	0	0	0.01	0.81
chr7	1097803	1098381	0	0	0	0
chr7	1098591	1103246	2.41	10.33	7.48	11.6
chr7	1103369	1106912	0	0	0	0
chr7	1106941	1110284	15.61	5.65	8.41	5.65
chr7	1110736	1114835	4.47	6.59	24.47	12.1
chr7	1114921	1119580	0	0.41	0	0
chr7	1119606	1122428	48.63	25.8	8.76	24.84
chr7	1122429	1125310	0.01	0.66	0.01	0.66
chr7	1125567	1126856	0	0	0	0
chr7	1128049	1130884	0.31	6.31	26.06	6.31
chr7	1131590	1132913	0	0	0	0
chr7	1133851	1134894	2.07	8.72	0	0
chr7	1135084	1137614	0	0	0	0
chr7	1137676	1146590	1.33	3.89	0	0
chr7	1146601	1151193	0	0	0.84	5.16
chr7	1151194	1151914	0	0	0	0
chr7	1152325	1153632	106.24	54.86	12.5	55.85
chr7	1153644	1154427	7.76	41.12	2.74	28.61
chr7	1154627	1156557	4.2	10.31	0	0
chr7	1156919	1158592	0	0	0	0
chr7	1158822	1160577	0	0	0	0
chr7	1161807	1163727	0	0	0	0
chr7	1163847	1170680	0	0	0	0
chr7	1170768	1175838	0	0	1.26	6.21
chr7	1176313	1180723	22.83	29.89	36.26	37.3
chr7	1185248	1188483	6.03	16.26	8.86	28.13
chr7	1189487	1194334	59.33	19.39	30.06	14.59
chr7	1194335	1196014	6.63	12.39	468.26	42.05
chr7	1196015	1198351	0	0	1.77	21.62
chr7	1199890	1200249	0	0	0.16	15.6
chr7	1200897	1201393	41.48	40.12	54.97	82.06
chr7	1202238	1203173	31.41	64.28	48.91	67.49
chr7	1204136	1204914	15.26	49.61	16.01	25.45
chr7	1205879	1206636	37.37	70.81	27.51	60.11
chr7	1207601	1208390	57.66	72.24	27.35	90.11
chr7	1209355	1210177	49.42	64.36	28.47	67.88
chr7	1211145	1211988	87.88	74.85	44.91	80.07
chr7	1212956	1213799	80.44	74.85	42.91	76.51
chr7	1214761	1215571	33.68	73.83	74.67	93.7
chr7	1216534	1217291	88.09	97.75	40.41	84.94
chr7	1218243	1219033	43.24	73.04	19.38	73.92
chr7	1220001	1220758	82.12	97.75	45.19	68.43
chr7	1221710	1222500	42.14	72.66	22.22	88.1
chr7	1223345	1231334	36.09	61.13	31.1	65.47
chr7	1233205	1235504	0	0	0.31	5.18
chr7	1243073	1243387	0	0	0	0
chr7	1244189	1245586	12.13	58.34	38.27	58.34
chr7	1246293	1247231	0	0	0	0
chr7	1252461	1253168	0	0	0	0
chr7	1253288	1254419	0	0	0	0
chr7	1254486	1257109	4.99	21.62	2.71	27.83
chr7	1258188	1261646	0.09	1.24	0.95	9.05
chr7	1262472	1264563	35.13	21.71	43.82	9.23
chr7	1264564	1268035	0	0	0	0
chr7	1269110	1269325	0	0	0	0
chr7	1270540	1275128	0	0	0.01	0.07
chr7	1276677	1279955	0	0	2.88	11.93
chr7	1279967	1282051	0	0	0	0
chr7	1282280	1285729	0.62	7.77	0	0
chr7	1286144	1294314	3.52	9.28	1.23	2.03
chr7	1294628	1300314	6.51	4.56	4.62	8.39
chr7	1300439	1302236	58.68	16.64	57.89	45.85

chr7	1302238	1305696	0.01	1.13	2.09	5.52
chr7	1305723	1313486	5.32	7.83	8.44	11.37
chr7	1314030	1314704	4.12	20.62	31.7	20.77
chr7	1314980	1316828	0	0	0	0
chr7	1317107	1317873	17.04	22.98	61.26	22.98
chr7	1318660	1319494	0	0	0	0
chr7	1321447	1325630	4.26	6.5	3.13	14.94
chr7	1325650	1327933	0	0	0	0
chr8	435	3967	0.03	0.65	0.5	13.87
chr8	4855	10291	116.11	16.19	97.16	15.21
chr8	10816	13128	3.78	18.73	22.12	33.48
chr8	13785	22856	0	0	0.69	2.77
chr8	22913	25896	0	0	0	0
chr8	26476	34272	3.55	7.3	7	28.73
chr8	34273	39616	1.24	10.14	9.48	18.1
chr8	39771	44456	0	0	0	0
chr8	44495	50802	7.3	6.9	5.23	9.81
chr8	51672	56104	0	0	0	0
chr8	56105	57965	0.02	1.02	0	0
chr8	58482	60469	0	0	0	0
chr8	60499	68335	2.32	3.31	1.84	12.29
chr8	68412	72088	0	0	0.1	4.16
chr8	72532	79965	0	0	0	0.26
chr8	80644	82579	0	0	0	0
chr8	82773	84902	87.55	41.47	65.89	43.02
chr8	85061	89907	0	0	0	0
chr8	91076	97280	0	0	0.03	1.02
chr8	97855	103867	1.82	3.51	2.94	4.69
chr8	105605	107435	5.66	12.9	26.16	25.36
chr8	107930	110717	126.11	47.9	127.63	47.22
chr8	111285	112766	0	0	0.35	14.99
chr8	112864	117485	32.72	17.81	16.53	24.39
chr8	117499	119962	0	0	0	0
chr8	119963	125871	0.01	0.54	0	0
chr8	126238	131510	0	0	3.25	7.64
chr8	131998	133758	0	0	0	0
chr8	133773	152924	1.43	3.31	2.97	2.27
chr8	153913	156243	1.21	10.99	9.01	12.23
chr8	156285	157601	0	0	0	0
chr8	158750	164868	6.51	5.2	9.03	14.45
chr8	166463	175354	3.89	5.49	11.93	12.54
chr8	175355	176881	77.23	39.52	5.01	67.76
chr8	177665	180185	93.11	47.14	124.59	46.27
chr8	181026	181907	0	0	0	0
chr8	182488	185294	0	0	0	0
chr8	185888	187074	6.43	33.56	8.8	19.06
chr8	187681	188810	0	0	0	0
chr8	188963	190841	0	0	0	0
chr8	191210	192638	0	0	0	0
chr8	192881	194792	0	0	0	0
chr8	194814	196042	0	0	0	0
chr8	196091	199448	0	0	0	0
chr8	199498	205387	2.36	3.41	2.56	4.53
chr8	205443	207703	0	0	0	0
chr8	207949	210756	4.91	11.01	3.66	8.55
chr8	210852	216229	224.37	33.09	208.81	28.9
chr8	217004	219119	0	0	0	0
chr8	219287	221865	0	0	1.48	5.2
chr8	221866	223698	0	0	0	0
chr8	223934	224992	15.08	41.21	43.02	47.07
chr8	225568	226527	0	0	0	0
chr8	226625	228747	0	0	0.01	0.94
chr8	228777	237621	24.78	12.06	47.24	20.85
chr8	238236	239617	15.23	16.73	9.09	26.5
chr8	239680	240912	0	0	0	0

chr8	240916	243529	0	0	0	0
chr8	243730	249986	6.84	10.36	2.15	10.89
chr8	249992	251914	39.42	20.97	60.07	63.11
chr8	252027	253382	0	0	0	0
chr8	253565	253840	0	0	0	0
chr8	253959	254255	0	0	0	0
chr8	254297	257936	0	0	2.08	4.67
chr8	257940	262314	1.45	3.11	8.07	20.32
chr8	263810	265546	0	0	0	0
chr8	265639	275782	1	4.07	1.14	7.29
chr8	276332	278600	0	0	0	0
chr8	278619	279377	0.05	2.51	0	0
chr8	280253	282123	0	0	0	0
chr8	282243	285534	0	0	0	0
chr8	285857	286516	0	0	67.03	61.91
chr8	286997	294872	12.23	15.3	3.17	12.19
chr8	296745	299245	11.36	10.88	3.48	10.88
chr8	299445	302922	27.08	35.63	40.35	41.65
chr8	302937	305605	23.7	16.38	72.22	42.39
chr8	305632	310584	0	0	0.61	4.75
chr8	310839	311661	0	0	0	0
chr8	311679	316299	0.7	7.06	7.56	10.15
chr8	316810	317668	0	0	0	0
chr8	317689	320351	0	0	0	0
chr8	321409	323439	15.99	19.16	3.21	16.55
chr8	323490	328037	0.45	8.49	3.12	6.69
chr8	328199	330862	9.88	7.77	6.34	7.77
chr8	330870	331234	0	0	0	0
chr8	331546	332277	0	0	28.83	47.88
chr8	333269	334376	0	0	0	0
chr8	334753	338049	9.92	12.74	13.8	12.74
chr8	338050	339993	0	0	0	0
chr8	340050	343506	39.25	24.48	26.82	26.36
chr8	343585	346320	5.58	8.78	2.46	18.9
chr8	348398	351133	4.7	8.78	3.17	18.9
chr8	352470	353834	3.43	12.54	27.33	12.54
chr8	354125	355177	8.74	21.77	0	0
chr8	355463	357995	0	0	0	0
chr8	358009	359173	193.77	78.78	93.02	78.78
chr8	359654	362812	0	0	2.02	10.7
chr8	363801	364397	0	0	0	0
chr8	364970	367005	0	0	15.71	22.06
chr8	367585	369681	18.84	24.05	9.62	39.17
chr8	370038	371945	9.4	14	12.72	18.93
chr8	371995	373588	0	0	7.44	11.17
chr8	373589	377665	0.5	4.2	1.17	6.7
chr8	377721	380841	1.56	3.11	9.99	29.74
chr8	381245	383044	13.76	50.42	70.33	76.26
chr8	383749	385140	0	0	0	0
chr8	385293	385649	0	0	0	0
chr8	385746	387104	0	0	6.02	38.95
chr8	387229	388877	0	0	0	0
chr8	390234	393157	0	0	0	0
chr8	393973	394887	11.57	7.66	5.83	38.73
chr8	395618	397548	0	0	0	0
chr8	398031	398680	0	0	0	0
chr8	399188	404167	0	0	0	0
chr8	404582	407062	40.95	52.18	11.51	21.57
chr8	407063	408363	2.42	8.31	0.33	8.31
chr8	408364	411394	3.85	5.12	2.59	12.01
chr8	411496	414853	483.63	64.55	381.07	64.52
chr8	415140	419114	0.44	0.75	0.14	0.75
chr8	419357	420794	0.07	6.82	0.13	6.47
chr8	420930	424992	8.99	10.83	0.77	0.49
chr8	424993	432558	9.42	9.03	9.87	9.89

chr8	433524	447946	15.92	17.43	10.38	15.58
chr8	450892	455384	10.3	17.05	8.48	18.41
chr8	455385	459755	0	0	0	0
chr8	460817	462695	0	0	0	0
chr8	463750	464895	0	0	8.86	14.41
chr8	465809	470374	0	0	0.25	2.87
chr8	470409	474472	25.12	24.49	27.1	28.5
chr8	474620	476817	0.07	0.86	0	0
chr8	476818	478807	0	0	0	0
chr8	479206	481599	1.46	5.52	9.81	41.91
chr8	481600	485004	103.7	42.04	30.49	31.4
chr8	485481	489772	10.43	12.47	3.25	18.81
chr8	489787	496699	0	0	0.87	5.63
chr8	497447	499276	2.98	7.87	0	0
chr8	499277	500491	13.66	17.38	0.68	22.82
chr8	500492	503700	0	0	0	0
chr8	504383	507796	0	0	0	0
chr8	508094	511321	6.44	7.53	2.4	0.96
chr8	511805	517484	0	0	0	0
chr8	517945	520098	16.46	26.1	0	0
chr8	520569	525621	0	0	0	0
chr8	526478	529135	0	0	0	0
chr8	530279	531091	10.86	11.08	38.72	86.7
chr8	531529	532146	0	0	20.44	43.6
chr8	532428	535451	29.84	35.56	31.17	50.81
chr8	535773	538930	3.54	14.63	1.66	8.14
chr8	538931	541688	0	0	0	0
chr8	541712	542887	0	0	0	0
chr8	543009	546189	0	0	0	0
chr8	546190	548252	11.08	24.59	0	0
chr8	550265	552930	0	0	1.04	6.27
chr8	553180	554552	179.22	54.3	178.67	70.7
chr8	555790	556542	18.54	25.93	27.16	26.86
chr8	556673	558736	0	0	0	0
chr8	558780	562941	0	0	15.2	18.75
chr8	564150	566516	121.28	22.65	182.79	49.45
chr8	566627	568308	0	0	0	0
chr8	568311	569988	12.23	33.33	8.59	11.45
chr8	570137	571109	39.55	71.5	27.73	64.2
chr8	571653	573011	0	0	0	0
chr8	573047	574228	0	0	7.8	46.23
chr8	574420	577144	0	0	4.57	14.5
chr8	577409	581842	28.05	13.17	19.45	29.93
chr8	582266	583788	29.78	31.87	20.73	54.34
chr8	584430	589187	2.78	6.64	0	0
chr8	589448	590804	28	40.93	26.96	35.25
chr8	590824	597030	7.34	2.87	9.54	8.27
chr8	597388	597849	11.2	19.31	0	0
chr8	598269	599013	0	0	0	0
chr8	599336	599704	0	0	0	0
chr8	599996	602588	0	0	0	0
chr8	602589	605665	48.73	56.27	71.15	53.8
chr8	605798	609350	9.64	13.4	4.13	20.27
chr8	609399	610844	35.5	29.55	15.69	29.48
chr8	611130	612710	27.69	46.14	60.24	92.72
chr8	613491	619830	25.52	25.04	6.77	34.36
chr8	619927	621954	6.74	13.62	2.22	12.78
chr8	622292	624104	0	0	0	0
chr8	624131	625429	0	0	0	0
chr8	625966	627456	62.08	32.01	51.35	39.6
chr8	627775	628902	22.54	50.04	10.92	55.9
chr8	629782	631073	4.17	12.7	21.42	13.32
chr8	631701	642142	17.17	13.72	16.61	24.84
chr8	642154	645295	1.9	6.24	4.45	13.24
chr8	645300	648948	7.08	16.58	15.55	19

chr8	648980	651393	8.09	10.9	8.34	38.17
chr8	651394	652936	0.01	0.19	0	0
chr8	652937	656807	2348.18	73.82	2831.21	74.7
chr8	657034	658453	0	0	0	0
chr8	659059	659859	2.56	10.88	52.2	79.38
chr8	660134	661327	143.87	50.8	36.71	20.45
chr8	662042	664120	134.89	85.76	125.97	96.34
chr8	665071	665661	110.55	68.14	93.74	68.14
chr8	665977	667881	722.78	67.38	156	76.89
chr8	668546	669322	284.25	56.7	164.96	56.57
chr8	670061	672367	0	0	6.82	15.44
chr8	672790	675563	16.06	17.78	12.19	17.78
chr8	675971	677386	0	0	11.37	29.68
chr8	677692	683529	35.18	17.63	3.58	8.09
chr8	683991	685986	9.2	17.14	27.15	31.48
chr8	686268	688914	89.8	21.05	207.61	36.51
chr8	689187	691364	31.78	17.23	14.71	29.58
chr8	691602	696007	7.05	25.77	5.2	22.32
chr8	696826	697749	132.75	45.5	138.32	46.91
chr8	698078	700089	22.09	41.42	0	0
chr8	700226	703728	41.36	45.46	9.91	41.83
chr8	703729	707822	0.52	4.2	4.09	30.54
chr8	707844	709551	7.31	7.03	0	0
chr8	709571	710068	0	0	0	0
chr8	710434	711702	20.55	73.19	80.96	73.26
chr8	712220	713409	10.81	53.41	9.22	13.54
chr8	713513	717008	30.99	16.42	23.62	28.27
chr8	717068	718898	25.52	27.87	2.11	20.82
chr8	718918	723816	58.03	20.31	35.65	33.32
chr8	723931	726418	0.04	0.92	2.31	18.54
chr8	727000	727251	0	0	0	0
chr8	727335	728057	0	0	0	0
chr8	728299	730746	3.11	9.32	27.48	53.13
chr8	730747	731518	0	0	0	0
chr8	731979	735382	27.02	28.5	21.91	15.55
chr8	735383	737158	13.84	17.58	43.12	16.62
chr8	737339	740123	78.98	39.76	30.24	19.5
chr8	741851	743718	1.29	7.61	9.69	9.75
chr8	743824	746714	7.07	19.65	7.64	27.68
chr8	746715	749086	7.63	6.79	18.05	6.79
chr8	749168	754160	0.13	4.23	9.5	16.41
chr8	754395	755362	0	0	0	0
chr8	755416	756498	0.04	1.76	0.07	1.76
chr8	756736	758737	9.13	36.03	19.3	56.32
chr8	758851	764096	62.7	51.38	98.15	58.61
chr8	764420	773074	27.63	19.83	42.44	22.22
chr8	774246	776801	0	0	0	0
chr8	777070	778464	33.59	34.79	44.18	25.82
chr8	778779	779643	0	0	0	0
chr8	780521	781630	5.62	14.16	10.32	14.16
chr8	782362	784072	0	0	19.29	45.09
chr8	784274	791922	16.61	29.25	12.27	25.44
chr8	792215	793336	90.96	37.11	12.56	34.52
chr8	794075	794440	0	0	0	0
chr8	794630	794956	0	0	0	0
chr8	797686	801278	0	0	0	0
chr8	801300	804764	0	0	0.57	5.89
chr8	804769	809038	26.27	15.3	7.11	16.87
chr8	809060	811037	0	0	9.48	20.74
chr8	811225	812306	0	0	0	0
chr8	812378	814861	13.29	18.24	0	0
chr8	814877	818673	12.11	14.12	32.12	10.83
chr8	818674	819720	0	0	6.84	19.69
chr8	819721	822186	23.02	35.74	83.07	30.87
chr8	822199	825456	0	0	0.06	6.08

chr8	825525	827387	1.63	12.3	0	0
chr8	827617	829431	23.15	15.6	48.3	15.6
chr8	829434	835226	2.28	12.03	15.55	18.75
chr8	835492	836728	0	0	0	0
chr8	836984	838039	0	0	1.15	32.23
chr8	838367	839055	0	0	8.52	17.44
chr8	839270	842828	16.11	8.43	15.57	8.43
chr8	845208	847526	17.05	29.72	12.27	26.83
chr8	847936	850092	2.88	7.56	1.54	7.56
chr8	850298	851332	0	0	0	0
chr8	852371	853383	28.2	53.56	36.13	61.86
chr8	853461	854164	0	0	0	0
chr8	854227	855789	0	0	0	0
chr8	856315	858097	105.74	65.43	87.73	79.74
chr8	858220	859797	68.15	14.08	25.33	14.08
chr8	860890	863503	1.96	10.18	0	0
chr8	863504	864134	0	0	0	0
chr8	864326	865381	20.01	22.65	6.77	21.8
chr8	865491	870278	0.41	2.72	0	0
chr8	870279	871944	0	0	0.82	7.45
chr8	872845	873254	845.73	38.63	286.79	38.39
chr8	873766	874155	29.45	40.87	24.98	40.87
chr8	874182	878392	0	0	0	0
chr8	878534	881186	0	0	11.03	18.33
chr8	881187	883446	0	0	0	0
chr8	883558	886115	0.89	7.7	0.39	14.74
chr8	886403	890118	19.57	31.14	19.09	39.03
chr8	890875	891292	0	0	0	0
chr8	891895	895107	0	0	1.71	6.91
chr8	895404	900710	0	0	0	0
chr8	901072	902202	17.55	11.42	0	0
chr8	902203	905528	11.64	22.2	20.05	23.73
chr8	906369	910031	251.55	69.31	155.23	80.42
chr8	910744	911820	14.1	48.61	47.56	48.7
chr8	912366	917223	5.28	5.66	12.58	16.39
chr8	917272	918647	13.59	49.96	44.07	52.58
chr8	918648	923533	78.35	22.74	58.59	30.42
chr8	923635	928706	68.8	36.7	118.55	36.38
chr8	928707	932589	16.75	16.74	10.02	31.89
chr8	932764	934955	0	0	0	0
chr8	934970	936085	0	0	0	0
chr8	936676	940941	0	0	0	0
chr8	940975	945255	3.27	11.78	1.99	7.62
chr8	945873	950660	8.41	8.61	13.6	16.32
chr8	950673	954139	1.74	5.65	0.69	5.65
chr8	954170	956160	0	0	0	0
chr8	959446	961126	0	0	0	0
chr8	961848	963653	2.57	14.85	0.55	14.9
chr8	963669	968246	0.75	1.16	0	0
chr8	968374	971839	0	0	0.16	2.6
chr8	972635	974111	43.67	35.23	21.83	34.82
chr8	975176	975916	7685.26	100	2677.27	100
chr8	978210	980837	0	0	0	0
chr8	981416	983176	2460.8	73.01	767.86	75.68
chr8	983679	986210	1.54	13.79	14.93	13.79
chr8	986480	989647	0.01	0.6	0	0
chr8	989874	990863	0	0	39.44	48.23
chr8	992728	994922	0	0	0	0
chr8	995684	1004924	38.08	9.42	9.06	7.1
chr8	1004940	1007463	11.38	26.87	10.33	26.95
chr8	1007464	1012888	7.57	3.78	17.74	30.2
chr8	1013558	1015507	0	0	0	0
chr8	1015838	1016059	0	0	0	0
chr8	1016266	1017150	0	0	0	0
chr8	1017324	1017878	0	0	0	0

chr8	1017917	1019379	0	0	0	0
chr8	1020167	1022672	0	0	8.04	17.45
chr8	1023393	1025824	0	0	1.07	13.53
chr8	1026160	1043802	0	0.11	0.82	1.42
chr8	1043922	1045328	0	0	0	0
chr8	1046260	1047629	0	0	0	0
chr8	1047677	1049494	0	0	0	0
chr8	1049495	1051330	48.79	28.72	34.8	9.75
chr8	1051331	1052545	0	0	0	0
chr8	1053604	1055669	0	0	0	0
chr8	1055831	1057713	0	0	0	0
chr8	1057935	1060226	4.69	8.42	1.94	8.42
chr8	1060227	1067969	87.51	32.58	34	31.65
chr8	1068625	1069945	0	0	0	0
chr8	1070281	1073413	0	0	0	0
chr8	1073528	1074694	0	0	1.18	8.06
chr8	1075086	1078795	0.02	0.51	0	0
chr8	1079320	1082084	54.35	30.54	4.45	16.03
chr8	1082585	1084909	0	0	1.94	6.84
chr8	1084912	1086974	21.8	11.59	0	0
chr8	1087387	1091860	82	36.64	51.47	35.7
chr8	1092136	1093672	8.37	38.35	29.93	36
chr8	1093731	1094648	15.19	14.83	0	0
chr8	1094911	1097037	20.41	6.49	23.87	6.35
chr8	1097095	1101597	8.46	4.42	9.12	4.44
chr8	1101926	1103758	0	0	0	0
chr8	1104128	1105798	11.51	15.93	0	0
chr8	1106197	1112455	1.21	3.66	6.29	18.09
chr8	1112726	1114554	0	0	0	0
chr8	1114799	1116129	0	0	0	0
chr8	1116224	1118614	0	0	0	0
chr8	1118640	1120378	0	0	0	0
chr8	1120464	1121505	0	0	0	0
chr8	1121650	1124905	7.87	14.1	2.19	14.1
chr8	1124908	1127665	13.39	12.77	3.55	12.8
chr8	1128453	1132044	0	0	0	0
chr8	1133146	1150306	88.55	14.84	57.63	16.19
chr8	1150462	1161523	0.39	2.89	0.12	3.53
chr8	1162055	1164735	0	0	0	0
chr8	1164736	1166566	0	0	0	0
chr8	1167160	1167366	524.4	100	746.56	100
chr8	1167399	1168405	15.44	22.66	10.64	28.63
chr8	1170326	1172066	0.02	1.15	3.03	24.08
chr8	1172518	1185809	19.51	4.54	17.12	7.76
chr8	1185892	1188995	10.14	17.05	2.23	7.32
chr8	1191722	1194178	1.46	7.61	1.52	7.61
chr8	1195289	1197228	0	0	0	0
chr8	1199618	1199931	0	0	0	0
chr8	1200172	1205248	0	0	0	0
chr8	1205711	1209097	0	0	0	0
chr8	1209098	1212357	1.92	7.3	0	0
chr8	1212691	1216679	6.06	3.34	0	0
chr8	1216815	1222936	1.63	4.1	3.28	9.15
chr8	1223003	1227358	10.97	5.99	0.43	8.66
chr8	1227454	1232952	0	0	1.12	4.51
chr8	1234369	1249318	2.5	6.48	8.76	5.25
chr8	1250298	1252765	1.41	7.22	14.26	11.43
chr8	1253240	1254412	0	0	0	0
chr8	1254624	1255305	0	0	1.21	18.36
chr8	1255318	1263733	1.12	1.84	0	0
chr8	1263734	1265623	0	0	0	0
chr8	1265728	1269140	0	0	321.67	32.65
chr8	1269176	1270518	0	0	0	0
chr8	1270671	1273026	3.6	12.1	2.92	12.02
chr8	1273324	1279302	0	0	0	0

chr8	1279896	1283267	239.43	49.3	129.5	59.03
chr8	1283268	1284810	0	0	0	0
chr8	1285168	1288483	14.96	19.55	7.74	8.69
chr8	1289060	1290745	14.34	32.82	1.53	18.69
chr8	1290957	1291840	48.97	59.46	0	0
chr8	1291871	1296530	0	0	0	0
chr8	1297275	1297751	0	0	0	0
chr9	464	7975	18.97	23.1	20.72	23.77
chr9	7990	11434	0	0	0	0
chr9	12117	15225	13.04	18.4	3.64	8.91
chr9	16415	43486	27.36	5.59	19.75	4.34
chr9	44596	47163	12.17	4.32	2.13	4.75
chr9	47343	50073	0	0	0.01	0.77
chr9	50265	53159	0	0	7.42	12.47
chr9	53651	70961	95.52	25.48	246.54	27.56
chr9	73020	74454	671.29	57.53	688.09	67.85
chr9	74455	77821	19.45	11.38	0.38	6.3
chr9	78329	80436	0	0	0	0
chr9	80437	85796	11.33	8.62	27.77	24.03
chr9	85956	93792	0	0	0	0
chr9	93899	95676	0	0	0	0
chr9	96535	106433	0	0.19	0	0.19
chr9	106442	111145	0	0	0	0
chr9	111497	112290	43.61	30.26	19.75	25.98
chr9	113287	116296	0	0	0	0
chr9	116459	131703	33.43	19.75	50.91	16.73
chr9	132516	133612	0	0	0	0
chr9	134013	135676	0	0	0	0
chr9	136379	142232	1.08	1.16	0.3	0.67
chr9	142355	143112	105.28	22.72	44.28	14.66
chr9	143322	144109	0	0	0	0
chr9	144127	151386	0	0	0	0
chr9	151799	153615	0.06	2.92	1.25	10.13
chr9	153616	158064	27.63	40.67	11.66	14.12
chr9	158141	161284	0	0	6.24	20.71
chr9	161853	170138	0	0	0	0
chr9	170695	171105	0	0	0	0
chr9	171138	172229	2.69	8.34	2.03	8.43
chr9	172293	173447	0	0	0	0
chr9	173800	176604	0	0	0	0
chr9	176738	178824	0	0	0	0
chr9	179376	180931	0	0	0	0
chr9	181229	183451	26.38	37.26	7.11	39.83
chr9	186371	188638	80.57	49.14	42.22	51.92
chr9	189749	191911	0	0	0	0
chr9	192213	196252	19182.39	59.59	20363.24	60.14
chr9	196449	198252	44.42	47.81	57.48	64.84
chr9	198890	200668	11.77	63.67	20.04	52.08
chr9	201324	202181	20.18	27.19	0	0
chr9	202868	207177	0	0	15.87	17.52
chr9	207204	207707	0	0	0	0
chr9	207868	210802	0.88	8.45	12.72	54.67
chr9	210817	214592	38.71	29.4	27.5	29.27
chr9	214657	217906	49.67	22.38	19.5	24.81
chr9	218292	219464	128.14	35.67	118.76	37.8
chr9	220688	224431	46.22	25.73	9.66	23.62
chr9	225112	228604	28.21	27.69	53.15	33.33
chr9	228605	233047	151.47	49.95	243.94	54.8
chr9	233369	234608	0	0	0	0
chr9	234609	237865	23.56	14.74	17.13	14.4
chr9	237899	239793	4.09	11.09	4.28	11.09
chr9	239815	240689	41.77	23.11	265.08	48.51
chr9	240705	242504	33.44	27.02	25.95	42.41
chr9	242916	244942	39.08	53.95	19	56.86
chr9	245509	246747	0	0	0	0

chr9	247304	254166	18.86	30.05	23.26	31
chr9	254167	255923	211.64	16.12	86.24	26.2
chr9	256117	263352	18.61	31.2	44.23	37.57
chr9	263369	266536	0	0	2.98	12.5
chr9	266588	274394	41.49	21.53	50.93	39
chr9	274395	276758	1.15	9.18	2.79	16.55
chr9	277124	280454	71.62	58.83	27.83	30.66
chr9	281245	281568	71.76	100	13.17	100
chr9	281922	284212	1.4	5.33	5.41	30.74
chr9	284339	286930	41.26	23.39	42.55	39.17
chr9	287345	289825	9.2	21.81	4.1	17.98
chr9	290844	294868	103.97	40.21	2575.38	33.28
chr9	295254	296571	33.2	69.1	35.41	64.54
chr9	296663	300661	46.14	25.01	31.19	22.81
chr9	300849	304624	13.71	22.68	23.35	22.68
chr9	304625	310333	0	0	1.28	5.12
chr9	310334	314238	41.01	5.94	7.68	5.87
chr9	314250	318374	18.97	27.96	10.13	25.65
chr9	318380	320393	0	0	4.32	28.86
chr9	320396	326286	26.56	25.65	20.44	25.76
chr9	326287	328141	13.67	32.47	24.25	65.32
chr9	328801	330173	344.54	68.73	472.29	69.39
chr9	330242	331225	0	0	0	0
chr9	331722	333065	76.61	63.89	75.03	69.47
chr9	333435	336493	1.73	5	3.05	11.77
chr9	336910	338229	0	0	0.4	26.84
chr9	338672	339010	18.56	37.28	18.51	83.14
chr9	339074	341971	0	0	0	0
chr9	344876	348827	75.63	37.16	22.76	25.44
chr9	350094	350870	0	0	0	0
chr9	351050	352277	0	0	0	0
chr9	353022	355460	6.94	14.73	26.34	20.43
chr9	355461	359472	10.85	15.28	2.19	9.97
chr9	359473	362157	6.81	9.99	10.31	31.45
chr9	362158	363296	0	0	0	0
chr9	363309	366351	0	0	0	0
chr9	366596	368409	8.52	12.24	0.42	12.24
chr9	368464	369906	0	0	58.81	23.09
chr9	370291	372710	8.44	14.43	23.63	33.77
chr9	372855	374108	11.62	25.86	0	0
chr9	374644	382158	0	0	0.01	0.25
chr9	382761	387595	13.86	11.11	10.48	5.4
chr9	387608	388660	0	0	0	0
chr9	388661	393567	0.29	4.97	1.56	7.2
chr9	396018	397766	87.16	72.6	90.97	88.73
chr9	399147	400990	0.63	4.77	2.43	18.39
chr9	401235	402875	0	0	20.48	9.7
chr9	403235	405916	0	0	2.96	20.22
chr9	406506	406814	96.85	93.51	356.21	93.51
chr9	407072	408341	0.35	16.23	5.8	16.23
chr9	408808	409044	0	0	0	0
chr9	409300	413719	0.01	0.45	0	0
chr9	428816	431661	14	10.51	0	0
chr9	431817	433314	0	0	52.15	46.03
chr9	433917	435565	18.64	38.35	3.89	21.91
chr9	436161	436993	0	0	0	0
chr9	438306	439535	94.84	79.01	71.62	82.75
chr9	439870	441747	0	0	0	0
chr9	441845	443990	0	0	18.7	22.75
chr9	444195	446013	0	0	0	0
chr9	446190	447757	0	0	0	0
chr9	447800	449931	31.37	30.41	4.94	9.48
chr9	451238	451774	0	0	0	0
chr9	452555	454071	0	0	0	0
chr9	454085	456769	0	0	15.32	19.41

chr9	457084	457671	4.43	66.27	0	0
chr9	458111	466277	3.26	6.72	1.2	2.61
chr9	466304	470427	44.63	17.2	27.41	33.18
chr9	470977	471795	0	0	2.56	29.22
chr9	471904	473491	0	0	0	0
chr9	473591	474031	3.63	12.73	0	0
chr9	474045	475260	9.76	65.84	0	0
chr9	475436	479399	13.26	15.75	2.85	9.51
chr9	481300	482244	450.95	87.61	364.1	95.66
chr9	483364	484794	2.73	23.22	3.72	23.22
chr9	486203	489102	0	0	8.09	8.55
chr9	490837	492345	51.13	51.72	55.99	79.11
chr9	492687	496575	0	0	0	0
chr9	496783	498409	0	0	0	0
chr9	499048	501213	8.33	14.97	16.04	15.01
chr9	501800	503578	0	0	0	0
chr9	504001	505586	15.74	36.53	34.21	43.15
chr9	505833	509720	9.87	21.04	14.39	25.91
chr9	510107	513262	6.37	10.17	10.09	7.99
chr9	514458	515735	1.6	8.54	0	0
chr9	516243	517769	12.02	20.51	0	0
chr9	519426	520358	0	0	0	0
chr9	520419	524348	0	0	5.74	17.87
chr9	524367	525739	4.99	16.25	2.38	16.18
chr9	525908	526465	0	0	0	0
chr9	526489	533127	0	0	0.78	1.49
chr9	533838	539488	11.16	13.59	7.93	12.11
chr9	539921	542381	5.33	6.02	6.79	6.95
chr9	542382	544561	0	0	0	0
chr9	544576	547102	0	0	0	0
chr9	547253	549720	0	0	0	0
chr9	550002	552608	0	0	0	0
chr9	552624	553750	226.28	56.66	245.05	70.52
chr9	554379	554834	0	0	0	0
chr9	555252	555896	5.15	34.32	3.1	34.32
chr9	556038	557256	1209.11	37.6	8.88	32.18
chr9	557292	560230	0	0	14.61	5.07
chr9	560231	578010	6.8	3.69	5.05	4.45
chr9	578011	578839	0	0	0	0
chr9	578840	582450	62.21	33.52	40.99	40.78
chr9	582959	586268	5.83	20.43	0.61	2.9
chr9	586317	592171	38.51	30.44	28.67	21.52
chr9	594298	595845	0	0	0	0
chr9	595859	600115	0	0	6.24	19.34
chr9	600129	601713	0	0	0	0
chr9	601915	603414	0	0	4.83	13.61
chr9	603795	611161	18.29	13.17	12.05	9.23
chr9	611190	615975	0.09	7.19	4.69	9.74
chr9	616465	617076	87.57	56.46	65.28	46.81
chr9	617563	618597	0	0	0	0
chr9	618695	621676	12.59	7.72	0	0
chr9	621881	625463	0	0	0	0
chr9	626072	626923	522.98	63.1	964.49	87.07
chr9	627766	631501	462.6	41.26	408.41	38.69
chr9	631552	636789	1.84	8.65	8.63	21.96
chr9	636807	638743	0	0	1.15	8.42
chr9	638952	640987	0	0	0	0
chr9	641101	646994	17.57	28	32.32	42.13
chr9	647314	649222	14.68	12.47	1.52	6.6
chr9	649240	652293	8.66	16.77	3.3	9.47
chr9	652503	654163	0	0	21.32	23.61
chr9	654220	657427	2.45	10.76	0.12	8.67
chr9	657976	659494	0	0	0	0
chr9	660221	661382	0	0	36.08	27.65
chr9	661749	662619	0	0	0	0

chr9	662730	664803	0	0	0	0
chr9	664804	668198	54.73	40.16	19.37	33.09
chr9	668254	672226	2.19	11.23	6.27	12.03
chr9	672411	675625	0	0	0	0
chr9	675664	677614	9.94	7.85	19.71	16.56
chr9	677771	679414	28.28	14.79	0	0
chr9	679753	682246	0	0	0	0
chr9	682287	682619	0	0	0	0
chr9	683209	683943	0	0	45.91	41.42
chr9	684027	691600	16.43	17.02	26.15	21.46
chr9	691692	693248	23.67	35.93	11.22	18.64
chr9	693285	696259	0	0	0.46	5.01
chr9	696260	699792	33.55	46.55	27.26	21.94
chr9	699793	702822	30.81	14.06	6.95	7.1
chr9	703243	707235	91.54	69.11	67.08	55.39
chr9	707249	709288	16.98	23.05	18.11	23.05
chr9	709606	711366	3.48	15.4	21.31	17.1
chr9	712108	714419	21.96	18.17	89.92	34.1
chr9	715381	717074	0	0	0	0
chr9	717911	721156	98.98	49.92	73.76	25.95
chr9	721675	722780	179.95	44.25	79.91	40.18
chr9	722996	725539	0	0	0	0
chr9	725548	726087	0	0	0	0
chr9	726868	728484	0	0	0	0
chr9	729081	730475	0	0	0	0
chr9	731051	736769	49.49	28.89	48.35	26.93
chr9	736784	741495	61.9	45.17	46.28	52.54
chr9	741528	743510	16.02	43.74	11.72	53.88
chr9	743973	746757	0	0	0	0
chr9	746772	749222	0	0	0	0
chr9	749944	750525	0	0	0	0
chr9	750563	751189	0.11	11.02	0.06	3.19
chr9	751193	752252	0	0	0	0
chr9	752589	758670	3.64	5.2	1.52	8.88
chr9	758738	760355	3.24	3.59	8.71	12.86
chr9	760416	763370	22.33	20.21	11.82	20.04
chr9	764323	775917	0.01	0.34	0	0
chr9	775956	782305	115.52	22.49	20.32	14.98
chr9	782427	786186	0.07	6.62	0.2	11.44
chr9	786232	791982	143.83	30.66	363.19	39.1
chr9	792028	794727	47.03	11.75	111.95	11.67
chr9	794728	797271	0	0	0	0
chr9	797293	802493	13.56	22.85	4.2	3.6
chr9	802498	804530	15.56	29.82	31.53	39.37
chr9	804531	808167	6.73	11.3	19.36	26.79
chr9	808168	817302	0	0	3.41	8.22
chr9	817894	820767	0	0	0	0
chr9	821282	823153	0	0	0	0
chr9	823255	825474	28.51	29.97	25.32	26.32
chr9	825906	828197	11.04	20.73	10.5	12.92
chr9	828758	830975	37.41	31.98	0	0
chr9	831085	832905	0	0	15.99	17.69
chr9	832906	841729	0.39	2.05	1.66	5.02
chr9	841730	842895	6.24	15.71	38.32	58.97
chr9	842906	844934	9.98	31.41	6.41	30.72
chr9	844944	848376	0	0	0	0
chr9	848377	855497	1.21	6.01	8.49	11.18
chr9	855499	857560	22.23	17.76	9.3	11.4
chr9	857561	859741	0	0	0	0
chr9	860184	861982	0.14	6.9	0	0
chr9	862065	867503	0	0	0	0
chr9	867504	871966	1.8	1.88	0	0
chr9	871967	873806	0	0	0	0
chr9	873960	874441	0	0	0	0
chr9	874541	875575	0	0	18.98	38.88

chr9	875779	877021	88.23	54.99	44.39	54.99
chr9	877145	878976	7.27	27.47	8.99	11.36
chr9	879163	881416	0.11	11.05	0	0
chr9	881432	884588	17.61	25.89	5.41	5.93
chr9	884589	889567	0	0	3.23	5.48
chr9	889570	892634	0	0	0.02	0.62
chr9	893518	894699	9.27	29.21	0	0
chr9	895913	897608	0	0	0.02	2.12
chr9	898084	901177	125.45	32.1	53.84	37.44
chr9	901178	904458	66.98	24.76	26.71	29.91
chr9	905017	906834	6.62	13.65	0	0
chr9	907157	908620	1242.61	85.03	1583.38	77.72
chr9	909617	911075	66.12	47.46	148.99	47.46
chr9	911126	913134	0	0	0	0
chr9	913151	914501	0	0	0	0
chr9	914649	917224	6.9	8.97	5.85	21.59
chr9	917784	921917	538.39	34.43	608.7	30.85
chr9	921918	925002	83.96	44.68	42.92	45.33
chr9	925022	927999	0	0	0	0
chr9	928385	930342	0	0	0	0
chr9	930365	932611	0	0	0	0
chr9	933441	935028	0	0	0	0
chr9	935037	938397	38.43	46.1	32.2	21.61
chr9	938983	940395	25.91	14.66	31.19	35.34
chr9	940396	943285	0	0	0	0
chr9	943291	944127	0	0	0	0
chr9	944222	947263	1.14	9.5	5.37	18.78
chr9	948080	948754	0	0	0	0
chr9	948778	954324	3.31	3.32	2.56	3.91
chr9	955201	958104	243.68	58.66	155.34	52.5
chr9	958728	964899	1.26	8.49	5.87	8.49
chr9	965071	971183	0.43	1.9	1.3	2.21
chr9	971565	975709	11.07	10.83	4.61	5.94
chr9	976241	978487	0	0	0	0
chr9	978577	979737	0	0	0	0
chr9	979949	983897	3.65	11.37	13.13	11.37
chr9	983898	988725	0.01	0.39	0	0
chr9	988726	991123	40.59	10.64	25.61	23.74
chr9	991571	994933	4.97	9.25	0	0
chr9	995703	996501	9.7	11.03	0	0
chr9	996610	997087	0	0	0	0
chr9	997267	999903	24.33	22.95	20.08	20.98
chr9	999909	1003968	0.01	0.47	5.21	8.47
chr9	1004391	1005950	0	0	0	0
chr9	1006106	1009086	0	0	0	0
chr9	1009282	1012683	26.24	17.67	8.46	15.94
chr9	1012876	1014511	6.88	6.36	6.04	6.36
chr9	1014512	1017950	0	0	0	0
chr9	1021371	1023784	0	0	0	0
chr9	1023800	1028603	0.04	3.96	4.84	12.08
chr9	1028604	1030789	0	0	7.75	17.12
chr9	1032374	1035888	0	0	0	0
chr9	1035892	1045009	1.12	4.03	0	0
chr9	1045052	1047426	0	0	0	0
chr9	1048159	1051245	26.3	20.61	7.07	9.66
chr9	1051806	1057281	0.37	7.25	2.26	7.93
chr9	1057282	1059429	9.7	23.85	7.42	19.56
chr9	1060528	1063250	2.48	5.51	1.25	12.12
chr9	1063259	1064936	0	0	0	0
chr9	1065258	1071564	0.26	3.35	0.29	3.6
chr9	1071870	1073166	0	0	0	0
chr9	1073643	1081024	0.01	1.37	0.12	3.1
chr9	1081102	1082720	0	0	0	0
chr9	1082721	1084356	146.11	35.84	2.12	15.35
chr9	1084375	1086082	0	0	0	0

chr9	1087209	1088235	0	0	0	0
chr9	1088434	1091990	12.22	16.03	10.6	31.61
chr9	1092145	1096715	4.52	8.93	1.93	10.28
chr9	1097114	1098888	4.53	16.12	0	0
chr9	1099404	1104427	0	0	0	0
chr9	1104974	1107811	1.27	12.97	2.5	10.86
chr9	1111967	1121035	0.36	1.15	1.08	6.44
chr9	1121065	1125290	84	8.17	20.15	16.28
chr9	1125573	1129847	24.5	7.88	1.33	7.86
chr9	1130654	1137910	27.33	12.11	10.63	16.28
chr9	1138610	1143296	0	0	2.9	6.62
chr9	1144671	1151258	0	0	0	0
chr9	1153471	1155170	0	0	1.27	7.47
chr9	1156153	1157117	0	0	4.79	30.39
chr9	1157222	1158145	90.45	30.23	18.03	78.66
chr9	1158627	1160580	12.23	19.82	12.74	19.61
chr9	1160667	1163301	330.82	29.8	439.76	30.07
chr9	1163350	1166065	0	0	0	0
chr9	1166067	1170116	0	0	0.01	1.23
chr9	1170128	1176647	0	0	0	0
chr9	1177263	1179090	0	0	0	0
chr9	1179256	1180747	0	0	0	0
chr9	1181227	1183095	0	0	0	0
chr9	1183794	1185459	26.08	29.91	140.83	36.82
chr9	1186498	1189140	72.7	11.54	63.65	18.51
chr9	1196142	1198178	0	0	0	0
chr9	1199413	1199688	0	0	0	0
chr9	1201127	1202480	0	0	0	0
chr9	1204435	1205006	0	0	0	0
chr9	1209408	1209953	0	0	0	0
chr9	1211835	1213866	0	0	0	0
chr9	1224674	1225579	0	0	0	0
chr9	1230015	1231719	0	0	0	0
chr9	1237387	1240022	0	0	1.73	10.09
chr9	1241305	1242172	0	0	0	0
chr9	1242946	1243682	0	0	0	0
chr9	1244040	1246363	0	0	0	0
chr9	1247041	1248323	0	0	0	0
chr9	1248585	1250757	0	0	0	0
chr9	1251704	1252247	0	0	0	0
chr9	1254298	1254603	0	0	0	0
chr9	1254754	1255026	0	0	0	0
chr9	1256164	1259560	78.49	34.84	13.76	31.27
chr9	1263244	1264692	0	0	0	0
chr9	1264772	1265394	0	0	0	0
chr9	1267136	1268988	0	0	0	0
chr9	1274152	1275452	0	0	0	0
chr9	1276627	1277829	0	0	0	0
chr9	1278802	1279092	0	0	0	0
chr9	1279141	1280381	0	0	0	0
chr9	1287459	1288463	0	0	0	0
chr10	206	5595	0	0	0	0
chr10	5686	6062	0	0	0	0
chr10	10343	15772	0.16	4.13	0.32	4.13
chr10	16366	17491	0	0	0	0
chr10	17780	18247	0	0	0	0
chr10	18839	20537	0.07	7.3	4.31	25.85
chr10	20538	27855	0	0	0	0
chr10	28391	29142	39.25	28.1	29.52	27.96
chr10	29963	32691	0	0	2.09	14.92
chr10	32705	38206	1.07	7.16	4.74	10.43
chr10	40340	43308	2.44	12.13	13.15	19.24
chr10	45012	46234	3.22	14.24	0	0
chr10	46235	48889	0	0	0.01	0.72
chr10	49097	53582	17.89	21.4	19.24	23.59

chr10	53601	54944	0	0	0	0
chr10	55419	56492	0	0	0	0
chr10	56711	71810	2.3	5.85	1.21	6.4
chr10	72465	73959	0	0	0	0
chr10	74583	78974	0	0	0	0
chr10	79742	82386	4.76	7.03	1.49	5.86
chr10	82403	86364	46.69	23.66	37.09	24.92
chr10	87548	89563	44.41	16.82	44.56	28.93
chr10	90320	92590	3.41	9.03	0	0
chr10	92609	100267	0.33	2.3	0	0
chr10	100291	102160	0	0	0	0
chr10	103145	104098	0	0	0	0
chr10	104517	108972	0	0	0	0
chr10	109029	109253	0.39	39.29	0	0
chr10	109414	116284	26.55	13.01	8.31	10.63
chr10	117040	119826	19.5	18.84	2.92	2.94
chr10	121919	135606	4.15	2.94	5.53	8.88
chr10	135694	136356	0	0	0	0
chr10	137709	141541	6.31	15.45	18.33	24.22
chr10	141729	144044	0	0	0	0
chr10	144233	145803	0	0	0	0
chr10	146396	149187	0	0	0	0
chr10	149917	150135	0	0	0	0
chr10	150850	152615	0	0	0	0
chr10	153505	157040	118.98	21.24	62.14	19.21
chr10	157521	172412	0	0	0.12	3.88
chr10	172717	177371	0	0	0	0
chr10	177993	180155	0	0	5.59	24.88
chr10	180232	181125	0	0	0	0
chr10	181789	183195	0	0	0	0
chr10	183264	183680	47.32	46.15	0	0
chr10	184195	185898	32.39	33.53	10.85	43.22
chr10	186957	187418	0	0	0	0
chr10	187949	188518	0.32	10.9	0	0
chr10	188640	190159	0	0	0.04	3.95
chr10	190395	200867	0	0	0	0
chr10	201024	201815	1.13	32.11	4.61	32.11
chr10	202302	204035	0	0	0	0
chr10	204659	207419	9.73	5.33	5.21	5.33
chr10	208010	210594	50.18	31.11	4.7	4.99
chr10	210634	214381	0	0	7.69	7.63
chr10	214736	217805	0	0	0	0
chr10	218213	219343	0	0	6.93	18.32
chr10	220044	223015	0	0	0	0
chr10	223090	224796	0	0	0	0
chr10	225593	227581	0	0	2.45	12.27
chr10	227608	230531	0	0	0	0
chr10	230548	233912	17.56	25.18	5.54	19.89
chr10	233927	239586	0	0	0	0
chr10	239670	241461	0	0	0	0
chr10	241934	244874	28.47	45.44	15.91	27.01
chr10	245276	247623	22.9	37.58	55.52	45.97
chr10	248195	249691	147.4	33.89	11.68	33.82
chr10	249843	254987	0	0	1.5	14.11
chr10	256678	265284	0.25	1.52	0	0
chr10	265930	267123	0	0	14.08	46.69
chr10	267283	268420	0.03	1.67	2.87	9.59
chr10	269333	276414	6.73	9.48	13.65	7.27
chr10	276503	277480	0	0	0	0
chr10	277861	279213	32.88	24.11	30.89	36.69
chr10	279444	280522	41.74	14.01	19.9	33.49
chr10	280676	284910	0	0	9.15	6.71
chr10	285347	287205	0	0	0	0
chr10	288101	289278	0.03	1.7	0.03	1.7
chr10	289325	291132	12.46	8.69	5.99	8.69

chr10	291186	292241	20.64	32.13	12.67	32.32
chr10	292289	294271	159.38	27.09	107.01	40.77
chr10	294612	297123	0	0	0	0
chr10	297216	300768	0.06	1.13	11.94	12.22
chr10	300995	303232	2.92	9.7	0	0
chr10	303851	306082	0	0	0	0
chr10	306992	308593	0.02	1.25	0.02	1.25
chr10	309150	310046	0	0	2.73	21.43
chr10	310358	314968	25.51	8.05	0.05	1.67
chr10	314969	315867	0	0	0	0
chr10	316164	320506	0	0	0	0
chr10	320736	322710	0	0	0	0
chr10	322916	326586	0	0	0	0
chr10	326616	327125	0	0	0	0
chr10	327185	330727	0	0	0.01	0.85
chr10	331530	331997	0	0	0	0
chr10	332145	337878	7.39	6.94	0	0
chr10	337903	339384	0	0	3.7	6.01
chr10	341160	342911	23.48	21.87	28.53	18.33
chr10	343090	344894	192.41	33.2	84.54	35.14
chr10	344940	347862	0	0	0	0
chr10	348002	349732	0	0	0	0
chr10	350382	351782	15.54	10.43	4.25	12
chr10	352456	355215	34.82	46.54	36.49	52.63
chr10	356137	358956	0	0	0	0
chr10	359172	361985	71.81	33.84	48.74	28.72
chr10	362308	364622	0	0	0	0
chr10	365157	367204	3.01	7.03	13.72	30.34
chr10	367358	369239	533.72	75.49	548.56	54.28
chr10	369589	370773	17.49	42.23	23.11	76.01
chr10	371171	373373	18.05	20.03	51.56	48.55
chr10	374934	376354	0	0	0	0
chr10	376428	382807	0.41	4.47	7.96	16.98
chr10	382808	384474	0	0	0.12	3.84
chr10	384643	386606	31.4	23.28	0	0
chr10	386615	392128	0	0	0	0
chr10	392129	393594	0	0	0	0
chr10	393633	397099	5.66	15.2	0	0
chr10	397461	400402	0	0	3.01	10.91
chr10	400420	401937	150.39	38.1	35.48	37.97
chr10	401938	405101	0	0	0.01	1.11
chr10	405111	409828	3.03	4.09	9.88	15.33
chr10	412923	413497	0	0	0	0
chr10	413529	416666	7.45	10.01	6.36	9.95
chr10	417717	420070	0	0	0	0
chr10	420480	421580	0.32	16.82	0	0
chr10	421608	424165	50.57	22.06	43	45.4
chr10	424342	425253	0	0	0	0
chr10	426007	427211	10.06	12.13	25.73	57.56
chr10	427271	432913	4.18	8.53	10.07	19.9
chr10	432976	434952	0	0	7.82	23.38
chr10	434967	437207	244.41	68.26	358.98	78.88
chr10	437287	438618	50.76	60.86	13.75	43.65
chr10	438932	440680	10.62	17.96	11.25	16.3
chr10	441269	443280	0	0	0	0
chr10	443298	444051	0	0	0	0
chr10	445517	449664	19.63	31.88	75.42	42.49
chr10	449839	452200	0	0	0	0
chr10	452318	454763	76.77	36.73	39.87	35.3
chr10	455144	455944	0.03	3.38	0	0
chr10	456965	458545	5.97	7.91	4.54	7.85
chr10	459077	459649	0	0	0	0
chr10	460162	462559	0.05	0.83	3.3	7.76
chr10	462773	464080	170.33	79.27	116.68	86.3
chr10	464733	466508	21.28	27.27	13.4	27.38

chr10	467328	469141	15.68	39.88	21.63	42.8
chr10	469898	472682	0.01	0.68	0	0
chr10	472813	475403	44.62	39.96	17.62	39.38
chr10	475717	477284	0	0	1.19	6
chr10	477318	478850	7.33	18.02	18.57	33.09
chr10	479228	480139	0	0	0	0
chr10	480588	482188	0	0	9.23	11.69
chr10	482217	484494	4.25	33.16	11.51	47.17
chr10	484902	486385	0	0	4.34	23.2
chr10	486675	488206	0	0	0	0
chr10	488721	491997	0	0	0	0
chr10	492445	493998	62.81	52.87	19.31	49.52
chr10	494162	497839	28.92	52.19	71.71	52.16
chr10	497972	499467	0	0	0	0
chr10	501479	504907	36.2	50.79	18.56	50.2
chr10	505017	506309	0	0	0	0
chr10	507117	511780	29.82	28.78	27.22	26.21
chr10	512428	517774	27.3	9	9.16	11.5
chr10	519646	520584	0	0	0	0
chr10	520730	521966	0	0	95.11	70.55
chr10	522109	524508	113.95	54.19	128.13	60.44
chr10	524558	526492	4.04	15.72	1.13	8.43
chr10	526692	527018	14.06	90.8	8.44	33.13
chr10	529282	530721	12.35	28.35	32.04	44.75
chr10	530722	532966	40.08	20.45	121.54	36.14
chr10	533650	534713	47.84	31.23	48.25	31.42
chr10	535695	539681	22.53	34.09	30.19	29.23
chr10	539868	542724	54.44	24.4	92.68	23.42
chr10	542937	544022	29.69	10.6	1.16	10.6
chr10	544908	546287	221.19	72.3	147.78	66.72
chr10	546953	549926	3.31	6.63	3.88	10.6
chr10	549983	552041	4.23	4.57	7.09	44.22
chr10	552042	552771	0	0	14.41	46.36
chr10	552773	553862	0	0	0	0
chr10	554145	557647	50.6	38.52	45.87	52.97
chr10	558297	558755	0	0	0	0
chr10	558791	563629	39.43	40.82	39.9	38.26
chr10	564034	569898	18.21	5.61	0	0
chr10	570293	570577	0	0	4.12	100
chr10	571617	572155	132.12	31.41	26.69	26.95
chr10	572569	573315	27.63	33.78	83.48	33.91
chr10	573316	578153	0	0	4.9	7.4
chr10	578269	579914	4.1	20.3	4.5	20.3
chr10	580345	583266	23.9	24.75	32.99	46.94
chr10	583379	588220	41.81	45.76	54.39	46.31
chr10	588221	592844	7.91	7.87	2	7.29
chr10	593055	595368	0	0	2.82	28.75
chr10	595599	596002	0	0	0	0
chr10	596060	598450	18.38	40.29	6	41.63
chr10	598590	599650	0	0	0	0
chr10	599776	602358	128.2	10.34	127.15	26.72
chr10	602360	605531	1.13	8.96	7.44	14.44
chr10	605694	609287	12.33	36.18	15.8	44.17
chr10	609594	613374	60.32	22.35	18.06	17.75
chr10	614027	616238	48.09	46.09	30.61	45.77
chr10	616363	617771	90.81	29.62	93.69	52.84
chr10	617954	620183	2265.53	53.79	137.34	53.84
chr10	620819	625407	109.44	38.49	439.56	37.79
chr10	625669	629584	36.66	22.86	30.9	22.43
chr10	629669	635583	18.27	11.82	11.26	16.47
chr10	635975	636802	825.47	100	678.94	100
chr10	637653	638480	957.18	100	830.72	100
chr10	639575	639977	0	0	0	0
chr10	640010	640912	0	0	0	0
chr10	641438	642394	0	0	3.31	20.5

chr10	642930	645322	2.8	14.8	6.47	17.73
chr10	645636	654319	23.1	13.38	29.11	22.86
chr10	654320	656944	18.33	17.34	0.42	3.47
chr10	657603	660004	0.09	2.25	3.19	23.32
chr10	660013	662161	0	0	11.84	14.34
chr10	662252	663852	144.62	60.06	129.64	61.94
chr10	663989	665059	211.06	70.09	347.04	70.19
chr10	665194	666524	0	0	0	0
chr10	666709	667410	0	0	0	0
chr10	667728	668531	0	0	0	0
chr10	669039	669791	0	0	0	0
chr10	670896	672154	0.03	1.51	0	0
chr10	672828	673696	37.26	35.83	9.85	30.18
chr10	675740	679428	0	0	0.34	7.43
chr10	680204	684724	0	0	0	0
chr10	684799	688932	26.36	21.87	17.28	19.7
chr10	689389	702484	205.28	33.1	111	40
chr10	702531	708428	0.51	3.9	0	0
chr10	708443	711666	298.63	58.64	159.54	61.56
chr10	712360	715100	0.11	3.69	0.37	8.61
chr10	715449	723235	0	0	0	0
chr10	723591	725008	43.96	51.87	144.47	48.48
chr10	725109	729930	5.83	6.82	0	0
chr10	729940	734183	10.27	11.64	1.82	13.67
chr10	734197	736987	28.03	5.99	29.82	5.99
chr10	737297	744132	2.15	6	10.76	11.73
chr10	744163	746124	0	0	6.74	23.1
chr10	746231	755031	0	0	0	0
chr10	756596	758962	0	0	0.63	2.62
chr10	759028	761054	0	0	0	0
chr10	761516	762304	0	0	0	0
chr10	762718	764702	0	0	3.07	10.48
chr10	764774	770613	0	0	1.68	7.23
chr10	771037	773878	22.33	8.73	21.96	8.73
chr10	774228	777073	0	0	3.81	23.13
chr10	777461	779086	0	0	0	0
chr10	779102	784197	97.06	22.98	96.09	25.61
chr10	784618	785724	0	0	0	0
chr10	786203	790565	31.89	14.74	22.14	8.55
chr10	791210	799243	3.38	6.87	2.21	9.37
chr10	799244	809569	0	0	1.15	5.64
chr10	809581	812597	0	0	0	0
chr10	812807	814418	20.7	49.47	34.71	53.76
chr10	814582	821933	9.1	9.39	4.94	8.83
chr10	822308	823048	0	0	0	0
chr10	824218	824589	0	0	52.66	61.19
chr10	826300	828923	3.6	12.5	0	0
chr10	828924	831400	0	0	0	0
chr10	833842	835413	0	0	4.79	42.46
chr10	835414	840076	0	0	0	0
chr10	840543	842275	0	0	16.22	29.85
chr10	842351	843470	6.35	30.65	0	0
chr10	844222	846229	8.84	20.53	9.01	13.8
chr10	846252	849391	0	0	0	0
chr10	849514	855936	7.87	12.44	12.62	17.89
chr10	856431	858839	103.43	42.9	126.83	39.49
chr10	859351	872464	0	0	0	0
chr10	872473	873218	0	0	26.1	59.6
chr10	873238	876076	3.59	9.2	4.36	20.05
chr10	876171	879912	0	0	0.03	3.31
chr10	880231	883160	0	0	0	0
chr10	883546	886889	0	0	0	0
chr10	887043	891108	0	0	0	0
chr10	892282	895415	0	0	1.26	5.39
chr10	895420	901174	8.39	8.93	5.28	16.86

chr10	901175	902284	14.79	61.5	19.15	32.73
chr10	902296	908779	0	0	0.16	2.53
chr10	909274	910188	0	0	0	0
chr10	911271	913057	0	0	0	0
chr10	913058	914527	4.15	15.79	6.4	7.56
chr10	914540	921930	0.01	0.27	1.16	2.73
chr10	922405	925790	63.82	49.93	39	32.32
chr10	926461	929613	4.3	13.23	10.75	5.74
chr10	929976	930326	0	0	0	0
chr10	930344	931180	0	0	0	0
chr10	932923	938788	0	0	0	0
chr10	938819	944977	20.7	16.3	24.02	26.91
chr10	944978	947726	0	0	0	0
chr10	947727	950771	0	0	0	0
chr10	950778	953594	16.64	21.34	25.05	31.11
chr10	954315	955133	0	0	9.78	17.73
chr10	955425	956489	0	0	0	0
chr10	957900	961315	0.02	0.56	0	0
chr10	961387	962913	0.47	18.68	2.2	18.68
chr10	964456	970087	739.17	62.6	603.96	59.33
chr10	971044	972843	490.56	46.47	218.38	46.3
chr10	974316	978976	562.08	58.22	518.48	52.17
chr10	980018	980824	132.36	54.84	47.25	55.09
chr10	980860	981813	549.07	37.36	218.79	36.94
chr10	983283	987726	210.32	24.11	180.97	23.97
chr10	989383	991182	495.52	45.36	207.85	45.86
chr10	992027	997322	553.05	64.85	513.68	62.23
chr10	998366	1000165	504.21	46.41	228.25	46.47
chr10	1001635	1002915	395.75	93.75	321.33	95
chr10	1003155	1004820	4.73	32.25	13.65	27.69
chr10	1005140	1006091	0	0	3.14	21.14
chr10	1007411	1008220	380.52	54.76	169.35	54.76
chr10	1008238	1009105	379.17	25.72	120.49	25.49
chr10	1010687	1015236	338.99	53.53	317.34	59.51
chr10	1016279	1018078	518.83	46.64	218.74	46.53
chr10	1018925	1024218	618.78	65.07	562.95	63.71
chr10	1025262	1027061	503.61	46.41	221.58	46.41
chr10	1028535	1033853	486.35	54.53	447.55	52.59
chr10	1033943	1036045	434.79	41.67	190.05	41.58
chr10	1037519	1041962	241.04	25.73	215.43	25.01
chr10	1043619	1045418	484.3	46.14	209.21	46.3
chr10	1046892	1052031	218.32	21.79	192.76	21.29
chr10	1052293	1053218	0	0	0	0
chr10	1055055	1057806	45.3	25.52	47.9	36.6
chr10	1058126	1063362	4.66	9.89	5.06	12.07
chr10	1063581	1065393	0	0	0	0
chr10	1065412	1070243	0	0	1.73	5.67
chr10	1070744	1073173	0	0	0	0
chr10	1073487	1076844	2.73	7.12	9.35	7.18
chr10	1077414	1080009	8.45	9.17	5.56	9.13
chr10	1080756	1081910	0	0	0	0
chr10	1084050	1089453	1.36	9.14	1.08	9.14
chr10	1090356	1092648	0	0	0	0
chr10	1094601	1095480	0	0	0	0
chr10	1095675	1097549	0	0	0	0
chr10	1097931	1099826	0	0	8.89	8.71
chr10	1100213	1102539	0	0	0	0
chr10	1102952	1108098	0	0	0	0
chr10	1108604	1113798	1.98	4.14	1.07	8.18
chr10	1114434	1117800	63.06	27.99	36.45	32.68
chr10	1118652	1124568	8.75	4.04	18.79	19.59
chr10	1124745	1126245	0	0	0.1	10
chr10	1126325	1127650	0.03	2.57	0	0
chr10	1127787	1132040	0	0	0	0
chr10	1132041	1134312	0	0	0	0

chr10	1134313	1139008	0	0	0	0
chr10	1139831	1146752	3.99	9.68	4.64	12.25
chr10	1146753	1149220	4.94	17.07	2.97	16.25
chr10	1149244	1165106	0.14	0.67	0.01	1.22
chr10	1165140	1167695	0	0	0.08	6.34
chr10	1168127	1170010	0	0	0	0
chr10	1170738	1176074	0	0	0.02	0.36
chr10	1177776	1183124	0	0	0.58	2.92
chr10	1183264	1185967	0	0	16.96	11.21
chr10	1185968	1188149	0	0	9.31	18.94
chr10	1188373	1190017	0	0	0	0
chr10	1190713	1196971	61.06	14.94	53.62	14.96
chr10	1196972	1201195	2.64	11.53	12.7	19.49
chr10	1201510	1205081	0	0	0	0
chr10	1205112	1206788	0	0	0	0
chr10	1206826	1211136	6.32	9.4	0	0
chr10	1211595	1228114	9.89	5.8	3.01	5.34
chr10	1228757	1232451	0	0	2.22	8.96
chr10	1232452	1237619	40.15	24.73	90.14	40.39
chr10	1238447	1239843	39.61	35.67	97.68	32.23
chr10	1239853	1243699	9.36	5.38	4.4	5.38
chr11	284	7392	17.35	11.09	39.54	22.14
chr11	7764	9321	0	0	0	0
chr11	9584	11270	2.27	5.81	0.32	5.81
chr11	11280	14679	0	0	0	0
chr11	15065	25411	13.13	7.4	26.19	17.37
chr11	25769	27930	0	0	0	0
chr11	28100	37467	4.98	8.98	0.78	6.12
chr11	39684	43770	6.99	13.29	1.96	7.02
chr11	45405	55458	0	0	0	0.19
chr11	58496	59617	3159.37	100	2797.51	100
chr11	63031	64462	1840.18	99.51	1633.76	99.58
chr11	65660	67980	1858.82	87.8	1689.02	88.75
chr11	69857	72618	1389.63	73.78	1353.5	78.09
chr11	74427	76245	0	0	0	0
chr11	77358	78974	0	0	0	0
chr11	78975	81873	4.76	16.08	0.17	4.66
chr11	82672	86301	0	0	0.01	0.55
chr11	86909	93083	5.01	12.6	5.44	15.37
chr11	93890	100095	6.9	9.2	1.68	1.42
chr11	100445	103497	0.45	14.35	0	0
chr11	104601	105552	190.92	38.17	199.75	38.59
chr11	105593	106173	18.37	28.97	9.32	13.45
chr11	107093	112062	0	0	0	0
chr11	112418	122843	0	0.24	1.34	4.58
chr11	122844	125492	0	0	2.62	7.93
chr11	125676	132594	5.25	10.83	2.82	12.01
chr11	132624	136015	12.31	11.27	0	0
chr11	137271	140429	16.36	19.89	11.31	29.61
chr11	141334	152926	0	0.16	0.39	2.5
chr11	155799	158175	5.62	10.9	0.33	9.39
chr11	158619	159686	0	0	0	0
chr11	159885	165189	11.9	2.34	2.04	2.3
chr11	165346	167794	0	0	0	0
chr11	168342	169256	44.74	48.03	15.93	45.95
chr11	169799	174254	0.02	1.57	0	0
chr11	174459	180623	0	0	0.7	3.28
chr11	181234	185414	0	0	0	0
chr11	185894	188267	0	0	0	0
chr11	188268	193951	0	0	0.03	1.57
chr11	200095	207109	0	0	0	0
chr11	208139	214368	1.37	6.98	2.32	6.98
chr11	214499	216071	0	0	0	0
chr11	216128	218765	0	0	0	0
chr11	218777	221712	0	0	0	0

chr11	222831	226104	0	0	2.72	2.44
chr11	226112	235977	27.3	24.76	26.04	29.82
chr11	235978	244268	0	0	0.01	0.98
chr11	244351	244823	0	0	0	0
chr11	246065	246427	0	0	0	0
chr11	246549	248069	0	0	0	0
chr11	249439	252746	0	0	0	0
chr11	253608	255020	0	0	0	0
chr11	256013	257449	0	0	0	0
chr11	258631	263196	0	0	0	0
chr11	263201	266365	106.34	56.76	31.62	43.58
chr11	266741	269411	0	0	2.6	13.18
chr11	270477	277825	0	0	0.07	1.96
chr11	277826	280578	5.73	17.22	0.07	3.27
chr11	280579	282699	0.96	14.48	0	0
chr11	283459	286634	0	0	0	0
chr11	286635	290273	41.84	25.26	19.04	12.04
chr11	290288	293298	235.53	35.65	125.93	34.49
chr11	293613	298385	0.55	8.72	0	0
chr11	298387	306919	0	0	1.67	5.34
chr11	307113	310103	1.7	21.67	4.7	26.45
chr11	310422	313310	212.24	77.8	370.61	76.11
chr11	314104	314424	95.74	69.06	74.97	68.75
chr11	314834	318111	25.96	12.48	2.64	12.48
chr11	318607	320229	0	0	0.05	4.99
chr11	321644	321973	313.7	99.09	334.84	100
chr11	322751	324632	14.03	12.71	9.48	21.96
chr11	324652	328259	0	0	0.01	0.83
chr11	329067	331928	40.94	34.32	10.46	19.19
chr11	333715	336651	11.3	31.85	1.87	21.08
chr11	336952	337455	4.62	40.16	175.69	100
chr11	337599	344978	11.89	22.08	19.71	38.16
chr11	345201	349745	0	0	0.5	2.35
chr11	350239	352673	0	0	0	0
chr11	354249	354551	0	0	0	0
chr11	354654	355414	0	0	0	0
chr11	355637	359102	44.86	29.7	23.02	25.89
chr11	359371	361165	176.02	58.58	57.99	52.56
chr11	361886	363172	571.48	58.01	762.11	64.77
chr11	364059	364858	7.04	6.63	6.17	6.63
chr11	365795	366442	104.46	61.98	200.57	61.98
chr11	367111	368828	37.29	50.67	25.86	37.8
chr11	369084	370502	48.79	24.96	39.48	44.22
chr11	370955	374347	81.82	55.93	361.17	59.55
chr11	376418	380314	97.36	42.86	67.47	44.76
chr11	380350	383316	49.28	22.66	38.58	31.59
chr11	383480	388924	470.28	30.8	79.33	16.51
chr11	388942	390378	87.1	45.82	3.47	44.92
chr11	390397	394494	16.92	14.03	23.12	44.54
chr11	394495	400215	0	0	1.99	13.13
chr11	400216	403205	39.72	42.42	56.35	37.87
chr11	403568	404579	0	0	0	0
chr11	404870	405739	120.89	44.88	11.65	20.48
chr11	406080	406883	23.83	20.92	0	0
chr11	406988	409947	977.45	62.15	705.22	63.87
chr11	410172	412495	0.46	8.95	0	0
chr11	412548	418679	487.73	48.47	512.1	52.52
chr11	418772	422033	0	0	0.01	0.61
chr11	422090	423676	16.42	26.67	0.17	16.71
chr11	423795	426649	1.25	24	98.77	25.61
chr11	426657	429655	0	0	2.14	5.94
chr11	430295	431743	134.73	16.85	83.32	26.8
chr11	432217	436442	30	24.05	33.73	26.49
chr11	436571	438121	0	0	17.88	21.81
chr11	438294	439570	0	0	0	0

chr11	439579	441175	38.54	36.28	41.97	41.04
chr11	441297	444000	4.5	17.24	542.09	26.71
chr11	445074	449503	8.29	6.07	4.67	6.07
chr11	449941	451561	0	0	7.74	16.48
chr11	451722	455741	0	0	0	0
chr11	455795	461768	0.01	0.32	0	0
chr11	461799	465468	68.22	25.21	126.58	60.02
chr11	465489	471759	0	0	0	0
chr11	472301	474687	0	0	0	0
chr11	474738	475181	0	0	0	0
chr11	475365	478147	23.2	27.64	3.42	12.65
chr11	478168	479979	58.58	23.25	22.18	23.25
chr11	480146	483871	7.5	15.03	7.43	18.58
chr11	483872	484824	4.03	14.18	0	0
chr11	484900	485409	0	0	0	0
chr11	485797	486723	0	0	0	0
chr11	486727	488679	3.04	8.09	17.31	25.72
chr11	488874	490939	8.43	12.15	0	0
chr11	490976	492972	15.36	18.74	38.01	30.46
chr11	493192	497307	0	0	0	0
chr11	497370	500007	7.87	16.5	6.81	30.91
chr11	500262	502053	15.39	11.61	0.14	11.56
chr11	503540	507177	21.83	22.93	15.34	20.73
chr11	507358	509833	45.67	22.34	41.55	37.25
chr11	509834	513802	20.17	22.51	24.92	35.28
chr11	513803	517339	13.03	16.69	19.61	28.34
chr11	517434	520913	16.94	19.75	1.07	12.1
chr11	520914	523511	9.85	13.75	39.35	41.74
chr11	523535	527515	0	0	0	0
chr11	527750	530921	1.79	8.01	0.39	7
chr11	531534	533074	36.61	52.34	9.67	52.34
chr11	534856	536743	0.88	28.62	34.56	29.25
chr11	537104	538275	99.01	62.43	171.26	62.68
chr11	539280	542085	53.19	15.01	28.76	31.91
chr11	542086	546136	0	0	1.36	7.56
chr11	546195	548243	0	0	0	0
chr11	548930	553385	6.29	9.05	4.44	20.38
chr11	553386	554731	0	0	0	0
chr11	554974	562453	14.97	34.31	27.85	26.61
chr11	562454	565397	0.86	9.38	7.69	21.03
chr11	565518	576823	6.47	5.32	14.12	18.87
chr11	577349	581049	1.47	11.76	25.12	31
chr11	581319	585000	17.68	30.48	14.34	28.09
chr11	585264	591999	0	0.12	0	0
chr11	594036	597657	14.98	9.97	15.15	22.45
chr11	597658	599011	0.15	7.46	10.58	35.62
chr11	599052	601572	0	0	6.57	20.24
chr11	601953	607314	0	0	0	0
chr11	607341	609723	0	0	18.03	17.04
chr11	609732	612238	22.36	28.33	20.37	19.11
chr11	612239	613949	12.38	12.63	0	0
chr11	614002	616600	8.81	18.05	4.45	26.1
chr11	616644	622387	4.28	5.29	0.11	2.94
chr11	622388	623535	69.27	43.16	40.97	43.16
chr11	623536	625820	389.85	49.26	368.83	46.06
chr11	625822	629707	65.94	11.53	58.24	11.53
chr11	629907	630989	17.98	34.29	11.85	21.07
chr11	631477	632903	0	0	0.52	12.06
chr11	632954	633621	0	0	2.35	15.44
chr11	633946	636413	152.92	58.17	2397.83	57.88
chr11	636929	640816	12.5	25.34	14.39	35.35
chr11	640944	642404	12.89	12.19	7.64	16.71
chr11	642744	644129	0	0	0	0
chr11	644517	645227	0	0	64.37	28.31
chr11	645362	648299	0	0	0	0

chr11	648300	653021	0	0	0	0
chr11	653121	658820	6.18	17.21	1.53	16.81
chr11	658848	661430	0	0	0	0
chr11	662713	665581	19.93	7.29	4.85	7.98
chr11	666533	670943	0.94	9.02	12.67	24.31
chr11	672019	676373	36.13	6.5	16.33	14.31
chr11	676445	681044	6.18	4.96	0.98	8.05
chr11	681296	685555	8.37	7.77	10.89	18.27
chr11	685683	691659	0	0	4.2	7.48
chr11	693348	696941	2.4	15.81	1.93	9.18
chr11	696942	698509	0	0	0	0
chr11	698695	701586	57.14	39.78	41.34	48.05
chr11	701587	703464	0	0	0	0
chr11	703640	704862	0	0	0	0
chr11	704882	707314	9.16	5.72	5.55	26.69
chr11	707485	714200	11.44	25.93	14.05	14.76
chr11	714587	718124	0	0	2.18	6.76
chr11	718655	728324	0.14	2.8	2.3	5.44
chr11	728380	733068	34.46	29.2	9.4	30.76
chr11	733313	735226	0	0	0.34	13.38
chr11	735553	736886	0	0	0	0
chr11	737136	739016	8.01	28.67	23.74	48.09
chr11	739908	743505	2.96	20.8	6.28	20.8
chr11	743844	744749	1.8	12.04	33.23	35.14
chr11	745139	745486	0	0	0	0
chr11	745843	747101	54.02	68.52	13.8	34.5
chr11	747333	749831	0	0	0	0
chr11	750128	750616	33.85	70.08	7.75	67.42
chr11	751018	753753	0	0	0	0
chr11	753921	758737	0	0	0	0
chr11	759330	761711	4.66	12.85	0	0
chr11	761745	764578	1.78	17.33	0	0
chr11	764848	765435	10.37	15.67	92.74	15.67
chr11	765573	767024	0	0	0	0
chr11	767119	770644	33.27	38.78	73.68	61.36
chr11	770837	772809	30.13	16.94	21.75	51.52
chr11	773052	777436	3.2	9.72	18.64	9.72
chr11	777470	784155	12.36	15.9	12.21	9.86
chr11	786032	787983	0	0	0	0
chr11	788456	791865	28.38	32.65	32.38	32.06
chr11	792114	794279	26.56	18.98	0.34	0.92
chr11	794705	796655	0	0	0	0
chr11	796984	797533	0	0	0	0
chr11	797572	799651	0	0	0.11	9.04
chr11	799687	801639	56.56	30.17	43.07	16.5
chr11	801810	804009	0	0	0	0
chr11	804010	806019	178.07	55.3	219.55	44.25
chr11	806258	809411	21.45	42.15	23.84	37.33
chr11	809696	811918	0	0	0	0
chr11	812159	814687	0.87	5.7	0.06	5.66
chr11	815262	816395	40.66	69.2	34.14	85
chr11	816808	818055	0	0	0	0
chr11	818175	818798	0	0	0	0
chr11	819173	820656	0	0	8.15	47.88
chr11	820714	825001	1.57	9.42	3.56	8.68
chr11	825172	828314	6.93	15.31	0	0
chr11	828315	830946	17.52	41.62	11.56	37.67
chr11	831478	834772	42.63	24.95	33.72	42.87
chr11	836592	849932	18.12	10.46	17.55	15.16
chr11	850275	852779	0	0	0	0
chr11	853230	854615	51.12	23.47	1.25	14.66
chr11	855874	856881	0	0	0	0
chr11	860534	862707	9.81	24.3	13.15	21.26
chr11	862871	865751	0	0	0	0
chr11	865786	867443	0	0	0	0

chr11	867845	869842	15.2	17.18	32.12	17.13
chr11	870141	871115	12.27	20.94	35.65	20.94
chr11	871326	877031	2.31	5.52	1.85	13.71
chr11	877790	888555	12.56	17.42	7.84	21.91
chr11	889300	892056	9.55	18.29	17.58	21.66
chr11	892105	893224	0	0	0	0
chr11	893401	894801	0	0	0	0
chr11	895180	897125	0	0	0	0
chr11	897169	898878	12.32	40.84	7.3	15.62
chr11	899517	903276	9.88	8.75	14.18	6.33
chr11	903654	906084	3.27	8.6	2.25	21.56
chr11	906269	907339	36.68	44.86	28.74	66.45
chr11	907947	908600	0.03	3.06	0	0
chr11	908612	914543	0	0	0	0
chr11	916260	917021	14.17	86.07	9.87	30.09
chr11	917816	919224	15.33	24.22	59.92	31.46
chr11	920327	923363	12.73	16.3	36.18	18.71
chr11	923764	935369	9.23	6.97	10.15	8.39
chr11	935380	936886	119.42	23.24	134.27	67.93
chr11	936900	946728	1.32	8.2	1.74	12.76
chr11	947116	949026	7.09	36.28	8.64	36.18
chr11	949288	952044	2.75	24.02	0	0
chr11	952850	956026	13.12	10.01	16.63	28.15
chr11	957022	958000	0	0	0	0
chr11	958777	961399	28.75	16.59	45.45	24.41
chr11	961814	964109	0	0	6.74	20.17
chr11	964267	966924	0	0	0.03	1.96
chr11	966990	967691	0	0	0	0
chr11	968287	970170	0	0	0	0
chr11	970313	975915	0.59	3.05	1.73	3.05
chr11	976754	980184	2.37	8.4	0	0
chr11	980955	984778	28.79	23.67	58.82	22.02
chr11	984797	990766	6.9	8.76	2.55	10.67
chr11	990767	993556	23.76	11.04	6.96	10.94
chr11	993583	998188	3.55	7.77	9.17	24.67
chr11	998275	1001562	0	0	0	0
chr11	1001630	1004331	1.88	7	3.16	7
chr11	1004652	1005428	0	0	0	0
chr11	1006294	1009125	37.21	38.68	22	20.2
chr11	1009380	1019024	13.1	17.59	15.35	17.35
chr11	1019071	1024184	0	0.37	2.06	5.16
chr11	1024185	1032003	0	0	0	0
chr11	1032004	1040799	1.01	4.82	11.04	8.3
chr11	1042074	1043342	1.82	11.67	1.14	11.67
chr11	1043636	1049210	11.5	6.08	0.01	0.34
chr11	1049851	1057785	7.16	14.36	6.98	13.65
chr11	1058668	1066731	10.36	19.36	0	0
chr11	1067229	1068791	0	0	0	0
chr11	1069381	1071281	0	0	0	0
chr11	1071636	1074327	1695.2	66.96	1776.01	70.2
chr11	1075998	1080583	32.92	15.92	34.21	16.99
chr11	1080672	1086973	2.43	10.03	0.97	9.32
chr11	1087096	1088587	0.31	12.34	0	0
chr11	1089004	1092335	4.51	3	0	0
chr11	1092336	1094993	0	0	0	0
chr11	1095199	1101802	2.61	6.24	0	0
chr11	1103264	1109324	4.85	4.6	0	0
chr11	1109361	1112666	0	0	0	0
chr11	1113675	1119497	58.21	32.82	103.33	39.16
chr11	1119604	1122117	0	0	0	0
chr11	1122342	1125630	0.34	5.2	1.35	7
chr11	1126611	1128257	0	0	0	0
chr11	1128406	1138377	36.52	18.54	12.94	24.95
chr11	1138408	1140322	33.63	64.99	40.34	53.92
chr11	1140820	1142724	4.56	14.23	0	0

chr11	1142781	1145359	159.11	16.18	126.19	34.68
chr11	1145837	1153664	85.62	34.48	48.23	29.55
chr11	1154383	1155759	133.79	52.76	192.91	52.83
chr11	1156515	1161397	8.3	15.87	1.68	6.98
chr11	1162027	1164117	371.41	26.46	380.53	42.68
chr11	1164886	1167801	16.36	24.91	21.73	28.16
chr12	320	2460	35.08	30.23	30.92	30.23
chr12	2461	8003	21.24	28.62	17.2	32.23
chr12	8004	9289	29.48	35.02	8.58	43.19
chr12	9290	12794	0	0	2.38	10.99
chr12	12931	14634	0	0	0	0
chr12	14766	16516	0	0	0	0
chr12	16517	20157	0	0	0.45	6.21
chr12	22786	23253	0	0	0	0
chr12	24916	29690	4.17	2.85	2.83	7.14
chr12	30432	35189	6.45	16.46	12.32	18.65
chr12	36010	40551	1.26	4.47	10.44	22.81
chr12	40745	46563	4.42	6.94	4.26	6.39
chr12	46647	52511	32.74	11.65	14.46	16.61
chr12	53425	55308	0	0	0	0
chr12	55345	61970	6.08	6.93	18.36	16.89
chr12	62330	74162	1.2	2.03	1.36	7.53
chr12	74825	78776	0	0	5.36	12.66
chr12	79590	84678	150.79	29.34	158.63	29.32
chr12	85097	86390	0	0	0	0
chr12	86396	92680	5.01	8.07	3.75	6.41
chr12	92854	94231	12.61	10.82	10.24	10.68
chr12	94632	100864	2.25	3.13	0.73	2.74
chr12	102894	106465	4.86	16.89	5.72	21.2
chr12	107704	111733	23.02	24.15	0.57	3.7
chr12	112068	113940	25.12	8.07	9.9	22.76
chr12	114855	115289	0	0	14.97	81.11
chr12	115310	122134	9.47	3.84	5.96	17.23
chr12	122906	130633	16.88	11.91	17.27	10.55
chr12	130634	140731	1590.48	52.42	1132.87	54.05
chr12	141260	146773	27.03	20.61	21.6	24.2
chr12	147145	149877	0	0	0	0
chr12	149878	153058	0	0	0	0
chr12	153059	159841	18.04	20.11	18.52	17.31
chr12	160198	167989	0	0	2.28	3.31
chr12	170787	175826	28.26	27.56	12.65	18.61
chr12	176115	177110	29.84	55.28	0	0
chr12	177289	179843	0	0	0	0
chr12	180736	190874	0.01	0.2	0.6	5.24
chr12	192229	195580	0	0	0	0
chr12	197351	198064	0.86	26.65	0	0
chr12	199997	203337	0	0	0	0
chr12	204955	207194	103.23	27.78	119.64	36.76
chr12	208347	210460	0	0	0	0
chr12	211245	213741	0	0	0	0
chr12	214431	215527	0	0	0	0
chr12	216028	218589	0.29	4.18	0.24	4.18
chr12	219014	220861	0	0	0	0
chr12	220900	224092	0	0	0	0
chr12	224544	225925	3.8	13.98	52.76	54.82
chr12	227119	228301	0	0	0	0
chr12	228621	229437	0	0	0	0
chr12	229470	231440	0	0	0	0
chr12	231920	235037	0	0	0	0
chr12	235231	237473	0	0	0	0
chr12	238070	240986	160.17	44.92	140.9	43.21
chr12	241277	246257	0.08	1.69	0	0
chr12	246277	248019	2.1	10.51	0.12	1.89
chr12	248792	250530	0	0	9.84	19.85
chr12	250566	253501	0	0	0	0

chr12	253977	255412	0	0	0	0
chr12	255415	258528	0	0	0	0
chr12	258538	262452	1.94	4.16	3.89	20.08
chr12	263032	263844	0	0	0	0
chr12	264660	269466	0	0	0	0
chr12	269587	270873	0	0	0	0
chr12	270874	274684	29.66	38.16	77.45	38.74
chr12	274939	276619	0	0	0	0
chr12	276721	278446	0	0	4.92	34.55
chr12	279249	280737	43.88	27.35	135.93	27.55
chr12	280966	286600	1326.44	49.25	1126.69	53.02
chr12	286644	289292	48.23	33.53	52.58	57.02
chr12	289397	290479	0	0	0	0
chr12	290480	295590	0	0	0	0
chr12	295591	297895	0	0	0	0
chr12	298161	299353	3.58	8.81	0.53	8.81
chr12	300385	300775	0	0	0	0
chr12	301447	304542	1.54	14.31	0	0
chr12	304543	308495	2.4	14.63	0.61	8.15
chr12	309953	311788	0	0	0	0
chr12	312301	312738	0	0	0	0
chr12	314594	316402	0	0	0	0
chr12	316797	321466	0	0	0	0
chr12	321515	325137	184.66	39.92	366.13	36.2
chr12	325152	329070	0	0	0	0
chr12	329121	333715	0	0	0	0
chr12	334048	334746	0	0	0	0
chr12	334761	336823	38.02	54.75	78.6	71.58
chr12	338897	343824	5.57	3.78	0	0
chr12	344839	345954	7.41	27.44	0	0
chr12	345966	350176	3.72	5.61	1.6	5.58
chr12	350268	355535	7.51	7.77	5.44	21.59
chr12	355997	358472	21.1	21.66	1.39	7.96
chr12	358474	363596	0	0	0	0
chr12	363624	366021	23.7	23.57	13.71	23.28
chr12	366135	367370	1.16	14.09	36.56	44.78
chr12	367563	369123	35.01	55.9	42.63	59.17
chr12	369524	374900	10.5	14.23	0.23	2.21
chr12	375700	376188	0	0	0.26	25.82
chr12	376664	377899	0	0	0	0
chr12	378289	380064	8.65	27.32	13.17	26.7
chr12	380852	383678	6.7	13.09	6.76	18.19
chr12	384011	394585	0	0	1.24	4.36
chr12	394899	396340	0	0	0	0
chr12	396858	398880	0	0	0	0
chr12	399689	401210	0	0	2.43	31.1
chr12	402205	409160	8.37	5.12	0	0
chr12	409397	410455	0	0	0	0
chr12	411110	411904	0	0	0	0
chr12	411918	415383	17.69	36.02	3.29	16.54
chr12	415525	417055	28.76	23.86	0	0
chr12	417336	418650	0	0	0	0
chr12	418651	422782	0	0	0	0
chr12	422803	424320	0	0	1.6	20.24
chr12	425168	427151	4.82	21.63	7.95	31.77
chr12	427746	432276	11.95	9.09	3.11	17.11
chr12	432538	439316	27.7	11.95	9.89	8.59
chr12	439319	441521	0.38	5.95	1.09	5.95
chr12	442113	447347	15.91	22.6	17.23	25.28
chr12	448397	449339	0	0	0	0
chr12	449353	452512	221.44	61	1319.74	45.27
chr12	452911	456840	0.01	0.48	0.01	0.48
chr12	456876	458891	0	0	0	0
chr12	458933	459379	0	0	0	0
chr12	459497	460520	6.93	32.26	2.44	27.17

chr12	460829	462971	0	0	0	0
chr12	463042	464992	0	0	0	0
chr12	465020	467547	0.29	6.45	8.5	20.02
chr12	468051	469478	0	0	0	0
chr12	470420	473347	784.01	51.59	820.14	84.66
chr12	473857	476380	8.87	5.11	20.47	5.19
chr12	476411	477614	0	0	0	0
chr12	478047	487614	13.45	8.01	11.69	10.85
chr12	487699	488004	0	0	0	0
chr12	488072	489117	0	0	0	0
chr12	489732	490931	11.59	11.34	29.6	36.95
chr12	491507	492598	0	0	0	0
chr12	493713	495482	0.02	1.13	0	0
chr12	496579	497793	8.19	50.58	46.09	64.42
chr12	498705	500559	53.38	48.54	20.56	32.47
chr12	500784	501647	19.43	9.15	2.57	9.15
chr12	502593	504248	0	0	20.67	43.02
chr12	504990	506705	0.84	9.56	12.98	19.65
chr12	506722	509373	53.21	59.94	59.03	73.56
chr12	509415	513273	4.65	6.22	0	0
chr12	513278	516003	14.72	18.79	20.84	17.8
chr12	516103	518984	53.27	27.66	26.27	23.05
chr12	519001	519992	42.14	6.26	27.49	30.07
chr12	520125	520800	0	0	0	0
chr12	521204	521623	0	0	0	0
chr12	521844	525245	5.41	17.55	10.99	18.67
chr12	526237	526593	0	0	0	0
chr12	526865	527656	0	0	0	0
chr12	527707	529077	1.27	15.62	3.19	15.62
chr12	529206	529559	0	0	0	0
chr12	529664	531268	0.44	16.9	0.55	9.41
chr12	531483	532838	0	0	0	0
chr12	534170	534729	136.65	47.41	47.93	47.58
chr12	535569	537521	0	0	0	0
chr12	537646	540481	0	0	2.37	15.91
chr12	540638	542620	43.89	28.1	39.37	28.15
chr12	543235	545211	0	0	0	0
chr12	545245	545874	128.47	80.45	33.08	59.14
chr12	546318	547761	0	0	4.68	10.67
chr12	548113	549946	78.63	67.7	60.66	67.7
chr12	550027	550976	0	0	0	0
chr12	551079	553662	8.77	17.11	14.23	17.11
chr12	553790	555778	5.39	15.59	37.94	22.03
chr12	555860	558616	45.57	32	40.57	38.28
chr12	558749	560231	8.1	35.49	28.38	19.1
chr12	560303	561229	17.38	58.96	35.13	100
chr12	561714	566693	0.9	5.48	3.08	17.45
chr12	568256	569241	3.57	12.79	3.59	12.59
chr12	569526	572626	26.55	16.58	11.21	11.94
chr12	572645	575228	0	0	0	0
chr12	576018	576854	38.58	50.72	9.75	25.84
chr12	576991	578691	38.33	23.59	6.68	30
chr12	578753	580961	14.97	20.74	30.95	12.27
chr12	580962	584868	9.12	7.09	8.9	13.62
chr12	584870	589201	128.28	55.51	77.24	40.18
chr12	589669	590376	11.56	37.06	2.36	36.35
chr12	590417	591848	9.19	19.64	11.17	48.85
chr12	593120	595690	26.1	31.91	45.58	44.24
chr12	595817	608962	0.25	1.37	0.75	2.78
chr12	608976	611376	0	0	0	0
chr12	611490	613551	41.32	36.63	16.13	48.86
chr12	613552	616165	34.42	10.49	19.1	10.45
chr12	616171	623486	23.5	24.09	29.1	22.67
chr12	623645	625637	16.89	17.27	58.99	52.51
chr12	626969	628633	8.56	20.19	40.43	75.66

chr12	629169	630878	44.49	41.84	55.68	39.91
chr12	630952	632135	34.26	23.16	83.02	22.99
chr12	632338	634139	1.47	8.72	2.03	8.72
chr12	634322	636322	8.95	13.55	25.26	33.35
chr12	636464	639345	18.63	13.05	4.71	15.34
chr12	639595	639951	0	0	0	0
chr12	640231	642921	7.72	17.29	17.58	31.12
chr12	644386	646089	106.19	62.07	74.85	86.85
chr12	646631	650033	995.81	57.73	458.5	58.79
chr12	650086	663281	64.58	30.63	47.23	40.17
chr12	663310	666369	108.27	32.66	31.24	41.12
chr12	666385	667904	0	0	0	0
chr12	668324	669181	0	0	0	0
chr12	670511	671437	33.07	26.24	31.14	73
chr12	672478	673725	12.03	31.11	17.72	43.46
chr12	674098	674991	17.35	43.78	3.27	20.04
chr12	675313	680805	3.02	4.75	4.34	7.92
chr12	680806	692994	24.46	27.46	40.86	31.3
chr12	693487	696392	1157.81	58.83	826.93	54.94
chr12	696393	698126	68.79	81.94	36.36	68.96
chr12	698127	699427	0	0	0	0
chr12	699428	703143	37.27	17.93	26.13	34.4
chr12	703154	708672	17.56	22.98	3.03	11.74
chr12	709071	711935	9.82	43.05	21.55	40.64
chr12	712172	714161	0	0	3.69	10.21
chr12	714467	716732	9.93	8.96	11.19	35.76
chr12	717080	718146	0	0	9.05	35.08
chr12	718291	718838	0	0	0	0
chr12	719934	721901	15.15	27	0	0
chr12	722496	725576	13.78	37.47	12.94	37.24
chr12	726265	727671	102.71	16	0	0
chr12	727767	728528	0	0	0.33	16.29
chr12	729582	731186	0	0	0.37	18.7
chr12	732057	734923	11.75	21.67	28.35	27.08
chr12	735358	735739	0	0	0	0
chr12	738587	741058	0	0	0.11	5.3
chr12	741832	742288	70.96	44.52	26.86	44.52
chr12	742362	743273	101.07	59.71	69.51	84.74
chr12	743865	745302	2552.38	43.42	2525.75	44.54
chr12	745307	747560	1552.12	46.69	1885.15	52.64
chr12	747561	751655	2.71	5.01	4.8	12.29
chr12	751953	753816	83.75	30.7	34.11	54
chr12	754279	754788	0	0	1.72	29.27
chr12	754847	756711	1.98	4.45	19.7	37.61
chr12	757029	761561	0	0	9.97	21.58
chr12	761562	765589	15.03	29.18	10.22	29.72
chr12	765590	766675	0	0	0	0
chr12	766732	770141	0.01	0.59	0	0
chr12	770294	771091	0	0	0	0
chr12	771264	773233	16.4	16.05	8.73	16.51
chr12	773581	778656	1.03	9.42	16.72	24.57
chr12	778657	781600	37.68	26.61	16.87	34.79
chr12	782321	785129	0	0	11.07	26.5
chr12	785153	787552	0	0	0	0
chr12	787576	788667	0	0	0	0
chr12	788700	790924	43.67	47.3	29.35	50.99
chr12	791264	793768	0	0	0	0
chr12	793780	796738	0	0	0	0
chr12	796739	798316	0	0	0	0
chr12	798426	799326	0	0	0	0
chr12	799607	800605	14.11	14.63	17.31	40.18
chr12	801342	803132	0.32	13.91	29.2	52.12
chr12	804270	804677	36.29	37.84	154.16	37.84
chr12	805084	806409	0	0	0	0
chr12	806729	809811	7.51	16.68	0	0

chr12	810138	812168	0	0	0	0
chr12	812581	816366	51.99	21.88	129.44	21.9
chr12	816524	818810	0	0	3.16	15.92
chr12	818825	821074	0	0	0	0
chr12	821091	822889	40.48	31.03	15.98	35.76
chr12	823760	826542	0	0	0	0
chr12	826706	836297	16.46	31.13	14.94	23.36
chr12	836321	838473	47.05	24.4	38.8	34.8
chr12	838474	840519	42.72	65.97	30.31	56.38
chr12	840740	845817	10.89	7.98	0.37	3.74
chr12	845843	847228	34.22	37.04	2.04	36.75
chr12	847245	849291	0	0	0	0
chr12	849571	851780	14.92	21.1	6.04	26.44
chr12	851846	852100	0	0	0	0
chr12	852882	856293	904.32	78.8	747.69	75.9
chr12	857150	857657	74.32	100	131.51	100
chr12	858714	865674	0.91	5.36	3.01	9.66
chr12	865675	871540	437.4	30.83	431.19	34.77
chr12	871556	873318	0	0	0	0
chr12	873458	877034	5.13	26.99	4.53	11.24
chr12	877042	881758	14.33	5.51	6.21	5.51
chr12	882063	886106	0	0	0.02	0.49
chr12	887036	889322	0	0	0	0
chr12	889617	894039	1.95	3.8	3.25	13.32
chr12	894529	896572	0	0	0.04	0.93
chr12	896673	902823	6.9	6.75	1.57	6.73
chr12	902967	904077	0	0	14.91	59.37
chr12	904476	905672	0	0	0.02	1.67
chr12	906416	906820	0	0	0	0
chr12	906856	908109	0	0	0	0
chr12	908844	909446	0	0	0	0
chr12	909464	910279	0	0	0	0
chr12	911343	914153	17.74	32.06	24.96	41.92
chr12	914309	916883	4.36	4.78	3.38	4.78
chr12	916884	919175	6.26	5.81	0.03	2.53
chr12	919212	921351	0	0	0	0
chr12	921561	926144	2.47	2.55	0	0
chr12	926145	928200	0	0	0	0
chr12	928220	931828	0	0	2.02	2.97
chr12	931829	935679	2.09	12.88	43.56	39.9
chr12	935834	937957	0	0	0	0
chr12	938029	940300	0	0	0	0
chr12	940385	945143	0	0	0	0
chr12	945150	947405	2.58	8.16	2.92	8.16
chr12	947519	948289	47.8	40.13	12.78	39.61
chr12	948655	951332	0	0	0	0
chr12	951333	954950	149.38	57.51	138.43	73.54
chr12	955036	958322	26.92	47.32	13.63	31.71
chr12	958678	960921	73.31	38.48	69.54	60.19
chr12	961267	962035	0	0	0	0
chr12	962751	965594	0	0	0	0
chr12	965814	967424	8.8	14.22	5.54	33.79
chr12	967835	968998	2.28	10.58	22.23	46.26
chr12	970184	970408	102.53	93.3	2.24	53.57
chr12	970526	975103	2.15	1.42	3.54	10.73
chr12	975679	976790	0	0	2.73	20.61
chr12	977498	979930	0	0	0	0
chr12	980138	983154	0	0	7.85	5.74
chr12	983248	988440	0	0	2.21	3.54
chr12	988795	989984	42.88	49.29	78.98	47.86
chr12	990728	997003	0	0	0	0
chr12	997018	997494	0	0	0	0
chr12	998873	1011522	29.89	3.87	40.81	4.75
chr12	1011552	1014427	0.02	0.8	0	0
chr12	1015039	1016055	0	0	0	0

chr12	1017445	1020024	0	0	14.19	5.54
chr12	1020585	1024713	0.01	0.73	0	0
chr12	1024740	1025337	0	0	0	0
chr12	1025502	1026520	44.52	16.01	44.66	53.34
chr12	1026746	1033850	0.05	1.51	0.01	0.28
chr12	1034532	1035674	0	0	0	0
chr12	1036639	1038942	1.27	15.59	2.37	9.94
chr12	1040165	1044048	0.01	1	0.02	0.49
chr12	1045382	1053639	0.67	6.71	0	0
chr12	1053765	1055376	21.99	29.17	23.68	61.95
chr12	1055932	1056924	0	0	0	0
chr12	1056963	1058684	0	0	0	0
chr12	1058693	1060373	0	0	0	0
chr12	1060877	1061437	0	0	0	0
chr12	1061519	1070430	0	0.34	0	0
chr12	1072329	1073068	0	0	0	0
chr12	1073765	1080118	6.08	3.57	5.93	8.45
chr12	1080235	1084473	22.57	6.13	30.58	6.11
chr12	1084671	1097829	0	0	0	0
chr12	1097928	1098593	0	0	0	0
chr12	1098946	1104649	0.93	2.19	0	0
chr12	1105624	1127728	3.98	9.55	4.93	10.74
chr12	1127976	1131301	37.79	18.89	33.33	40.21
chr12	1131873	1132730	0	0	0	0
chr12	1132757	1136169	0	0	0.49	5.25
chr12	1136175	1139235	7.61	32.06	22.16	28.3
chr12	1139249	1140663	224.44	58.35	174.43	58.2
chr12	1141077	1154130	16.32	12.41	13.97	18.52
chr12	1154813	1158202	25.87	18.59	2.76	9.53
chr12	1159009	1165964	0	0	0	0
chr13	292	1925	56.01	47.89	36.82	54.75
chr13	3830	7725	0	0	1.58	12.32
chr13	9014	10690	9.92	14.62	0	0
chr13	11501	12739	0	0	0	0
chr13	12925	15414	0	0	0	0
chr13	15460	18048	77.11	50.27	2991.06	49.19
chr13	18094	27360	3.12	10.12	6.14	12.05
chr13	27380	29460	31.12	26.35	11.98	10.05
chr13	29529	35986	31.74	19.99	36.12	30.76
chr13	35993	39502	1.05	12	0	0
chr13	39622	46741	0	0	0	0
chr13	49167	55390	0	0	1.74	6.77
chr13	55473	60247	25.01	20.34	17.29	11.5
chr13	60485	66540	9.49	7.23	8.6	6.79
chr13	66985	71741	8.42	13.86	53.62	22.22
chr13	73367	75232	0	0	0	0
chr13	75392	77184	0	0	0	0
chr13	77235	79897	6.83	14.61	0	0
chr13	80035	83815	0	0	0	0
chr13	83893	87009	0	0	0	0
chr13	87010	87850	0	0	0	0
chr13	87851	90794	57.2	57.83	43.62	39.82
chr13	90796	96743	0	0	1.6	4.56
chr13	96744	100685	0	0	0	0
chr13	100804	103221	0	0	0	0
chr13	103267	105045	0.01	1.07	0	0
chr13	105194	108047	0	0	3.06	11.6
chr13	108048	109523	0	0	0	0
chr13	109554	114139	0	0	0	0
chr13	114574	115752	4.26	18	0	0
chr13	116396	117650	0.03	1.52	15.52	20.97
chr13	117803	121172	13.14	15.67	12.85	15.82
chr13	121259	121585	0	0	0	0
chr13	124094	127167	41.04	51.51	93.87	46.76
chr13	128096	129149	0	0	0	0

chr13	130931	133747	13.08	41.65	34.09	46.63
chr13	135234	135572	0	0	0	0
chr13	140008	144105	9.08	31.07	16.72	35.66
chr13	145237	146038	0	0	1.15	2.5
chr13	146169	149809	0.01	0.82	0	0
chr13	149810	153616	0	0	0.57	11.25
chr13	155565	158824	0	0	0	0
chr13	158838	162703	6.67	13.66	15.62	13.95
chr13	163223	168179	15.48	10.17	9.43	8.35
chr13	168733	172062	11.86	14.39	0.31	12.14
chr13	173429	177142	0	0	8.7	11.74
chr13	178042	178526	2.55	47.52	28.18	47.52
chr13	179131	183066	0	0	0	0
chr13	185188	187234	25.26	32.21	24.75	40.27
chr13	187853	189262	17.99	28.53	22.74	29.81
chr13	189425	194908	0	0	0	0
chr13	195663	196595	0	0	0	0
chr13	197522	198066	0	0	0	0
chr13	198137	201655	0	0	0	0
chr13	201736	204639	39.68	12.19	50.83	12.23
chr13	205195	210015	0	0	0.06	6.22
chr13	210420	214585	0	0	0	0.46
chr13	214877	217209	10.09	29.67	0	0
chr13	217816	219577	0	0	0	0
chr13	219621	226289	6.01	9.49	1.71	5.89
chr13	226303	228097	39.52	24.02	0	0
chr13	228875	231496	1.26	6.75	6.21	47.42
chr13	232146	236086	0	0	0	0
chr13	236470	237823	0	0	0	0
chr13	238126	240011	19.57	31.94	19.25	31.72
chr13	240477	243252	7.65	6.59	6.76	6.56
chr13	243303	244012	0	0	0	0
chr13	245535	247013	0	0	0	0
chr13	248127	252842	0	0	0	0
chr13	253058	254179	0	0	0	0
chr13	254485	256498	0	0	0	0
chr13	256582	259300	40.18	19.02	24.06	33.85
chr13	259686	262648	0	0	0	0
chr13	262747	270271	10.06	9.9	6.52	14.41
chr13	270448	273712	1.3	17.65	0.78	8.3
chr13	274228	276965	19.59	28.83	7.12	17.32
chr13	277733	278191	7.72	20.31	0	0
chr13	279084	281578	0	0	0	0
chr13	282064	284430	0	0	0.83	21.85
chr13	284431	287373	0	0	0	0
chr13	288351	289537	0	0	4.17	28.25
chr13	289808	293410	12.86	9.49	3.68	4.83
chr13	294540	295543	206.03	43.87	63.43	48.16
chr13	295811	299811	4.09	11.5	0	0
chr13	300219	304409	12.91	21.96	17.69	24.92
chr13	304509	310224	0.01	0.35	0.01	0.35
chr13	311116	318690	3.04	5.8	12.62	11.38
chr13	319231	322829	8.79	28.63	26.1	26.65
chr13	322909	323926	0	0	0	0
chr13	325401	325850	93.53	93.99	228.49	100
chr13	327353	329095	23.56	25.49	14.68	42.65
chr13	329316	332525	0.01	0.59	1.6	4.43
chr13	332526	334626	0	0	0.43	12.67
chr13	334627	337645	3.84	8.88	0	0
chr13	338196	339578	0	0	33.26	56.87
chr13	340708	341630	0	0	0	0
chr13	342091	342876	0	0	4.24	8.79
chr13	343462	344796	0	0	0	0
chr13	345262	348461	0	0	5.97	19.6
chr13	348720	349091	0	0	0	0

chr13	349136	351084	0	0	0	0
chr13	351085	352540	0	0	0	0
chr13	352550	354501	0	0	0	0
chr13	354814	358829	0	0	0	0
chr13	358830	359914	25.67	44.46	4.98	9.96
chr13	360094	361626	0	0	0	0
chr13	361960	364374	0	0	0	0
chr13	364392	365027	0	0	0	0
chr13	365254	368980	0	0	0	0
chr13	369386	371059	20.12	43.04	187.09	23.67
chr13	371217	373420	8.9	19.2	14.15	9.85
chr13	373491	378480	30.2	14.25	37.4	14.41
chr13	379756	382065	763.33	63.01	508.52	76.4
chr13	382960	384273	0	0	0	0
chr13	384593	386308	12.19	26.24	4.14	14.34
chr13	387031	389713	0	0	0.83	9.69
chr13	389740	391045	0	0	0	0
chr13	391460	394304	15.9	16.39	4.47	15.93
chr13	394305	402126	9.26	10.75	2.88	16.24
chr13	402930	406327	3.38	11.75	1.64	11.75
chr13	406625	407940	101.96	58.02	35.83	52.85
chr13	408489	418194	8.36	3.31	17.67	6.31
chr13	418330	419199	0	0	0	0
chr13	419283	421091	1.8	11.39	4.97	20.96
chr13	421675	423426	0	0	0	0
chr13	423571	426547	0	0	3.72	9.04
chr13	426562	427713	0	0	0	0
chr13	428068	428859	25.9	20.48	811.43	20.48
chr13	429026	431198	0	0	0	0
chr13	431305	432313	0	0	33.24	63.69
chr13	432340	433393	0	0	0	0
chr13	433608	435234	0	0	0	0
chr13	435715	439607	0.02	0.59	0.03	0.54
chr13	439608	442570	0	0	0	0
chr13	444256	448404	6.23	21.09	8.5	17
chr13	448817	451850	0	0	0	0
chr13	451994	455926	20.19	9.21	8.67	6.28
chr13	455927	458233	33.34	40.81	79.52	65.83
chr13	458835	459386	0	0	0	0
chr13	459693	461606	0	0	9.62	20.02
chr13	462111	465637	39.91	20.73	6.81	21.3
chr13	465982	467518	49.2	31.77	26.11	62.04
chr13	467978	469563	0	0	0	0
chr13	470066	471409	43.9	10.42	25.08	10.42
chr13	471648	472157	0	0	0	0
chr13	472186	477607	0	0	0	0
chr13	477612	480425	0	0	1.47	15.46
chr13	480901	486392	0.01	0.35	0	0
chr13	486901	489027	0	0	3.6	7.62
chr13	489058	491427	0	0	0	0
chr13	491650	495222	23.29	19.6	16.32	19.99
chr13	495872	496808	0	0	0	0
chr13	497417	499524	0.45	0.9	0.47	9.44
chr13	499826	502404	0	0	0.01	0.78
chr13	503235	505699	27.82	20.5	41.14	19.93
chr13	505898	506810	53.48	36.95	45.26	17.76
chr13	506811	508297	0	0	0	0
chr13	508298	515777	93.71	24.63	95.44	29.23
chr13	515982	518724	3.7	11.63	9.62	23.3
chr13	519001	521268	0	0	4.1	17.51
chr13	521299	529259	0	0	0	0
chr13	529350	533708	49.73	52.73	66.65	66.48
chr13	533709	535617	9.58	12.58	56.14	40.3
chr13	536062	537951	19.13	27.69	31.17	30.44
chr13	538191	544487	7.85	9.02	0	0

chr13	544539	549139	0	0	1.4	9.3
chr13	549331	550224	3.79	31.02	4.75	31.02
chr13	550329	551864	0	0	0	0
chr13	552160	555000	0.09	8.77	0	0
chr13	555365	559063	12.72	14.47	40.31	45.65
chr13	559203	560916	0	0	0	0
chr13	560921	565177	19.37	18.4	9.78	16.99
chr13	566014	566895	0	0	0	0
chr13	566979	567614	14.12	40	0	0
chr13	567809	568438	16.64	25.12	1.12	12.4
chr13	568721	569614	0	0	14.76	32.81
chr13	572382	573851	162.65	96.87	200.9	100
chr13	573989	574804	28.35	58.28	0	0
chr13	576745	578706	0.06	1.07	0	0
chr13	579267	581231	0	0	0	0
chr13	581555	581794	0	0	0	0
chr13	582081	582539	0	0	0	0
chr13	582599	583348	0	0	0	0
chr13	584117	584593	2.48	37.18	0	0
chr13	584785	587390	7.68	35.62	5.23	6.1
chr13	588722	592111	12.36	21.42	0.94	6.11
chr13	592118	595103	12.66	23.62	14.06	22.98
chr13	595112	601917	2.97	6.27	7.55	18.72
chr13	602219	605918	38.96	31.93	41.63	39.15
chr13	606589	608267	27.38	27.06	47.58	35.1
chr13	609196	612134	91.64	29.82	143.03	25.97
chr13	612516	614414	51.58	33.72	29.22	30.4
chr13	615140	615841	0	0	0	0
chr13	616032	616880	66.58	59.2	89.71	80.31
chr13	617154	618872	14.77	57.92	320.44	35.74
chr13	619404	619794	0	0	0	0
chr13	620317	621773	46.86	17.24	76.35	46.7
chr13	621789	628389	4.77	15.48	21.32	24
chr13	628748	630283	7.35	13.62	1.09	14.27
chr13	630492	634244	5.58	6.21	22.62	17.51
chr13	634542	635368	182.88	26.51	44.27	26.51
chr13	635658	637427	0	0	0	0
chr13	637602	638619	0	0	0	0
chr13	638862	639656	18.82	51.76	90.82	53.02
chr13	639703	642280	0	0	5.32	18.35
chr13	642281	645345	25.09	28.33	32.81	30.71
chr13	645809	647862	11.24	20.21	29.93	39.6
chr13	647877	652049	0.22	3.43	0	0
chr13	652085	656627	56.95	31.4	67.89	20.74
chr13	656634	660505	0.03	3.02	28.16	26.81
chr13	660723	661984	13.81	40.68	7.52	57.34
chr13	661991	665018	22.34	38.75	9.26	32.87
chr13	665598	667388	2.74	10.28	2.89	10.89
chr13	667997	668680	0.11	2.78	0	0
chr13	669095	670912	1.88	18.05	7.7	26.42
chr13	670920	673597	2.87	3.4	0	0
chr13	673759	677473	2.41	5.44	10.48	27.76
chr13	677474	680987	23.11	25.19	18.69	29.01
chr13	681013	682560	0	0	0	0
chr13	683022	695400	3.98	1.75	8.59	12.87
chr13	695844	696362	6.5	38.03	27.49	38.22
chr13	696673	698857	61.58	24.31	7.03	22.12
chr13	699045	701767	0	0	0	0
chr13	701968	704321	0	0	5.1	11.09
chr13	704458	706884	130.22	43.49	39.99	21.06
chr13	706885	708418	59.25	40.25	531.21	40.25
chr13	708606	710815	3.08	8.78	0	0
chr13	711276	712402	0	0	0	0
chr13	712651	718032	1.72	2.95	9.89	14.16
chr13	718135	720282	0	0	0	0

chr13	720372	723694	2.34	5.84	14.36	21.16
chr13	723713	724531	0	0	0	0
chr13	725370	728522	1.57	5.39	2.5	5.39
chr13	728684	730772	0	0	0	0
chr13	730792	732939	101.86	33.3	107.06	49.18
chr13	732958	736993	55.05	10.31	58.91	12.02
chr13	737440	738350	0	0	0	0
chr13	738444	741107	2.41	7.55	0	0
chr13	741126	742622	1.39	17.51	3.3	31.55
chr13	742752	745563	12.5	7.22	4.13	7.54
chr13	745861	747598	29.36	23.55	0	0
chr13	747599	749703	0	0	0	0
chr13	749705	751595	0	0	4.47	6.56
chr13	752112	753146	21.03	42.36	5.02	15.47
chr13	753486	756603	0	0	0	0
chr13	757533	759515	6.07	13.47	5.16	19.37
chr13	759915	769915	11.29	6.16	7.9	3.58
chr13	769920	781884	21.95	10.75	21.02	7.34
chr13	782188	786194	45.99	13.26	46.34	12.26
chr13	786365	790641	67.89	42.8	71.7	45.46
chr13	790814	793794	0.46	4.83	0	0
chr13	794247	796192	45.75	47.4	35.77	54.45
chr13	796193	798137	344.7	34.26	145.36	34.62
chr13	798138	804900	0.69	7.91	0.43	7.68
chr13	805088	806711	1.9	22.24	0	0
chr13	807270	808238	0.47	11.78	0.24	11.78
chr13	809217	811721	0	0	10.46	22.28
chr13	812601	814505	0	0	0	0
chr13	815422	818322	1.64	15.38	16.45	8.79
chr13	818323	822724	0	0	0	0
chr13	822751	827084	0	0	0.01	0.72
chr13	827131	829933	3.4	16.06	0	0
chr13	829951	830808	0	0	0	0
chr13	831392	834826	12.15	17.88	8.27	20.7
chr13	835667	841583	8.97	12.04	10.78	8.65
chr13	841627	843891	0	0	0	0
chr13	844398	846427	0	0	0	0
chr13	846955	851900	0.01	0.38	0	0
chr13	852725	855393	43.74	16.83	39.39	16.79
chr13	855447	873484	0.01	0.33	0	0
chr13	874335	877835	0	0	0	0
chr13	878551	881881	0	0	0	0
chr13	881895	885659	0.35	5.47	0.7	2.47
chr13	885835	888775	0	0	0	0
chr13	888892	891609	0	0	0	0
chr13	892492	894629	0	0	0	0
chr13	895131	900583	0	0	1.18	6.38
chr13	900619	901865	0.09	1.52	0.05	1.61
chr13	902308	903999	3.59	11.18	0	0
chr13	904000	917197	5.31	6.69	4.13	6.7
chr13	917947	920672	2.94	9.65	0	0
chr13	921053	922948	0	0	0	0
chr13	924470	928643	4.26	4.53	4.01	4.7
chr13	929829	931591	0.54	4.94	0	0
chr13	932542	936057	0	0	0	0
chr13	938246	938824	0	0	0	0
chr13	938848	941902	0	0	0	0
chr13	942935	945115	0	0	0	0
chr13	945696	950074	0.63	7.72	3.8	18.41
chr13	950783	960252	2.79	6.37	10.29	12.53
chr13	961542	965465	0	0	0	0
chr13	967009	969883	0	0	0	0
chr13	969919	976213	0	0	0	0.32
chr13	976421	980452	0.05	1.04	0.03	1.04
chr13	980812	983004	0	0	0	0

chr13	983881	987361	0.14	3.1	4.16	14.66
chr13	988499	994443	17.87	15.01	12.24	14.45
chr13	995799	1000440	0	0	0	0
chr13	1000904	1003806	0	0	0	0
chr13	1004322	1005770	0	0	0	0
chr13	1006118	1009528	0.47	3.64	1.92	5.25
chr13	1010384	1011485	0	0	0	0
chr13	1011580	1016077	0.02	0.44	0	0
chr13	1016118	1027299	4.64	5.58	5.56	5.06
chr13	1028273	1029734	0	0	0	0
chr13	1031713	1035563	4.26	12.86	1.89	15.14
chr13	1035604	1041681	2.16	1.58	4.68	8.72
chr13	1045108	1048842	0	0	0	0
chr14	537	2589	38.29	30.85	24.69	39.13
chr14	2645	6061	6.51	6.38	4.66	18.18
chr14	6062	8649	0	0	5.64	29.22
chr14	8753	10481	7.05	10.82	0	0
chr14	10774	13889	9.46	21.7	17.18	21.7
chr14	14227	18449	0	0	0	0
chr14	21692	22212	23.17	58.08	8.86	8.27
chr14	22230	24561	50.39	32	47.83	31.57
chr14	24907	28823	29.26	5.44	17.42	14.53
chr14	29332	32425	0	0	0	0
chr14	33084	35056	0	0	2.17	11.66
chr14	35414	37358	0	0	0	0
chr14	38546	45251	0.01	0.31	0	0
chr14	45921	49164	9.62	6.41	3.86	13.91
chr14	51218	56520	14.85	9.39	9.12	9.37
chr14	57163	63600	0	0	0	0
chr14	64739	69902	2.53	8.91	2.91	14.33
chr14	71112	72875	0	0	0	0
chr14	73212	75044	10.98	8.79	11.18	8.84
chr14	76126	78601	593.67	62.51	647.04	63.8
chr14	79685	80049	0	0	0	0
chr14	80344	83328	3.68	8.08	3.41	26.24
chr14	83335	88538	27.03	37.17	21.33	27.56
chr14	89408	91479	7.5	16.42	7.48	16.37
chr14	92085	95868	1.35	8.67	0	0
chr14	95942	96888	23.56	30.44	23.11	21.04
chr14	98522	119207	5.6	76.85	7.3	82.01
chr14	119253	119681	0.32	22.43	0.11	10.75
chr14	119794	133065	15.51	51.87	11.74	46.85
chr14	134384	139950	0	0	0	0
chr14	139955	143317	0	0	0	0
chr14	144366	147424	0	0	0	0
chr14	147724	151461	0.53	4.71	0.48	8.51
chr14	151569	152280	0	0	0	0
chr14	154348	157576	1	1.55	1.3	5.55
chr14	158969	164153	0.01	0.73	0	0
chr14	164527	165024	0	0	0	0
chr14	165552	167839	0	0	0	0
chr14	168564	170352	0	0	0	0
chr14	170736	171575	0	0	0.49	38.62
chr14	172006	174641	0	0	0	0
chr14	177397	182493	4	13.48	0.77	9.26
chr14	182520	183762	0	0	0	0
chr14	184381	185894	0	0	0	0
chr14	185920	190197	1.69	2.27	0	0
chr14	191364	191657	0	0	0	0
chr14	193475	198276	36.32	45.84	26.57	49.68
chr14	198795	206714	0	0	0	0
chr14	207361	210390	0	0	0	0
chr14	210399	212889	15.63	26.27	6.09	35.38
chr14	213398	217881	0	0	0	0
chr14	218835	226222	0	0.32	0	0

chr14	226263	230432	75.32	5.76	0.58	5.73
chr14	230636	233381	0	0	0	0
chr14	233546	242845	4.75	2.58	3.19	2.58
chr14	243415	244545	0	0	0	0
chr14	244811	246196	0	0	0	0
chr14	246526	248760	0	0	0	0
chr14	248817	249287	0	0	0	0
chr14	249359	251345	0	0	0	0
chr14	251346	252550	0	0	0	0
chr14	252643	255763	0	0	0	0
chr14	256171	257381	0	0	0.97	18.6
chr14	257448	258745	0	0	0	0
chr14	258900	261002	0	0	0	0
chr14	261661	263398	0	0	2.74	13.47
chr14	265154	267864	0.43	14.5	0.02	1.85
chr14	268197	271107	0	0	1.12	10.65
chr14	271555	276898	0	0	0	0
chr14	277066	279929	0	0	0.19	0.52
chr14	281441	285881	0.13	1.69	1.78	3.69
chr14	286031	286518	0	0	0	0
chr14	287149	288595	0.74	9.75	0.54	9.75
chr14	291947	293877	0	0	0	0
chr14	294150	294611	0	0	0	0
chr14	294852	297668	1.15	3.94	0	0
chr14	298232	299071	0.05	2.62	0	0
chr14	299220	300269	0	0	0	0
chr14	300434	302728	0	0	0	0
chr14	302807	304015	1.24	14.65	2.47	14.65
chr14	304758	305930	9.1	12.54	0	0
chr14	306411	308750	0	0	0.11	10.65
chr14	308751	318159	12.84	8.6	7.01	8.58
chr14	318678	321457	42.12	28.43	12.51	21.23
chr14	322175	322669	0	0	0	0
chr14	323135	325432	18.06	9.49	0.78	6.75
chr14	325435	327687	0	0	0	0
chr14	327725	329688	3.56	5.15	23.69	28.88
chr14	330160	333424	0	0	0	0
chr14	333696	335055	0	0	0	0
chr14	335253	337165	0	0	0	0
chr14	337752	338741	0	0	0	0
chr14	338980	339828	0	0	0	0
chr14	340039	344426	0.47	3.65	0.45	3.65
chr14	346311	350595	1.38	5.07	4.2	14.8
chr14	350596	353151	14.52	17.77	31.92	52.29
chr14	353401	357517	0.01	0.46	0.35	3.45
chr14	359976	362808	11.02	20.06	3.86	19.88
chr14	363370	366145	0.01	0.68	0	0
chr14	366172	367125	0.19	6.3	7.59	24.24
chr14	367778	371170	0	0	0	0
chr14	371171	377560	286.13	29.19	432.22	41.81
chr14	377660	381171	6.67	19.54	4.06	14.1
chr14	381383	387243	87.69	12.06	78.7	14.71
chr14	387244	391897	604.9	2.17	2.96	13.54
chr14	392070	393207	0	0	9.48	41.6
chr14	393233	395323	0.22	0.96	0.02	0.91
chr14	395970	400416	0	0	0.21	5.33
chr14	400417	404519	3.6	9.7	0	0
chr14	404552	407163	65.16	35.08	98.45	61.93
chr14	407255	410796	0	0	0	0
chr14	411107	411706	0	0	0	0
chr14	412402	414433	0	0	0	0
chr14	414603	415579	89.84	20.39	103.33	20.39
chr14	416053	416477	0	0	0	0
chr14	417350	418912	0	0	0	0
chr14	419061	427595	19.09	16.42	10.09	19.38

chr14	427737	432265	0	0	3.33	14.18
chr14	432543	444116	1.67	8.26	3.24	11.91
chr14	444500	446005	0	0	0	0
chr14	446603	449715	119.13	57.58	24.79	59.13
chr14	450255	451103	0	0	5.41	16.27
chr14	451148	455359	0	0	0.01	0.59
chr14	455561	456882	12.99	20.89	7.86	12.79
chr14	457262	458220	0	0	0	0
chr14	459809	460655	0	0	0	0
chr14	460735	463855	0.11	3.59	0.03	2.69
chr14	465386	466667	38.45	42.08	54.64	45.59
chr14	466682	470226	0	0	0	0
chr14	470948	474096	95.69	56.39	35.7	51.4
chr14	474819	475463	0	0	0	0
chr14	475732	476499	0	0	0	0
chr14	476895	479780	23.22	65.16	36.33	49.08
chr14	480933	482733	127.12	62.17	40.31	61.56
chr14	484190	487546	28.81	20.29	7.8	21.63
chr14	487907	490517	2.3	6.97	0.67	3.07
chr14	490832	495200	32.46	51.33	71.22	56.75
chr14	495238	503724	7.84	13.16	30.49	17.99
chr14	503725	507090	8.79	19.76	27.57	16.05
chr14	508683	511238	0.87	13.78	17.98	17.1
chr14	511519	514678	36.3	30.9	42.25	39.51
chr14	514885	515583	10.84	73.21	17.19	73.21
chr14	516098	516958	247.5	94.77	118.84	90.58
chr14	517464	519239	0	0	1.71	17.8
chr14	519617	521434	442.85	55.31	462.08	56.25
chr14	522158	524449	0	0	11.6	13.75
chr14	524711	527860	21.8	13.78	35.27	23.25
chr14	527861	530485	10.35	20.92	12.46	24.73
chr14	530486	532529	0	0	2.53	7.54
chr14	532661	535397	0	0	0.44	2.08
chr14	535628	538649	26.31	24.46	3.93	27.11
chr14	538662	542825	6.32	14.03	16.13	16.72
chr14	542826	548905	121.22	41.7	20.77	47.57
chr14	549038	551652	0	0	0	0
chr14	551653	556044	5.93	12.53	0.75	3.3
chr14	556626	557819	0	0	4.76	24.22
chr14	557828	558310	0	0	0	0
chr14	559369	563013	51.15	25.55	8.45	25.96
chr14	563068	567136	1.72	8.09	0.77	1.79
chr14	567371	571051	1.45	9.92	0	0
chr14	571089	574038	15.31	10.68	1.29	10.55
chr14	574271	578404	34.94	23.83	31.63	39.95
chr14	578684	580503	0	0	0	0
chr14	580882	589005	4.51	8.37	6.36	13.63
chr14	589385	589806	0	0	0	0
chr14	589941	591094	0.03	1.65	0	0
chr14	591095	594198	4.15	9.28	5.4	8.7
chr14	594208	597265	0	0	0	0
chr14	597824	601662	27.06	17.93	19.8	22.54
chr14	601663	604689	6.35	12.86	25.89	17.22
chr14	605049	607381	0	0	0.01	0.73
chr14	607395	610167	14.39	18.72	21.08	37.66
chr14	611026	613394	0	0	8.81	30.41
chr14	613395	616318	5.04	28.19	20.9	43.69
chr14	616750	621159	0	0	0.22	2.04
chr14	622133	622564	0	0	0	0
chr14	623192	625351	17.04	34.6	134.4	25.8
chr14	626003	627326	0	0	54.97	44.9
chr14	627553	628431	20.68	68.79	29.65	68.79
chr14	629253	631113	1.7	9.35	3.08	16.83
chr14	631219	633481	1.08	10.04	25.98	17.82
chr14	633497	637271	0	0	1.78	2.99

chr14	637431	639898	0	0	0.02	0.89
chr14	639899	645146	81.55	30.89	65.06	47.99
chr14	645512	647791	40.18	25.84	21.64	57.13
chr14	647918	650049	3.42	3.89	1.44	3.71
chr14	650937	652427	0	0	5.73	11.74
chr14	653801	657694	0	0	0	0
chr14	658443	659809	0	0	0	0
chr14	660352	661480	0	0	0	0
chr14	661879	667557	0	0	0	0
chr14	667670	669663	0	0	0	0
chr14	670346	672164	482.41	78.55	442.67	76.68
chr14	673979	676090	25.83	18.19	14.85	24.96
chr14	676348	678038	1.93	18.52	0	0
chr14	678391	679478	5.81	18.12	12.9	18.4
chr14	680279	685587	0.31	2.69	0.01	0.36
chr14	686246	687838	475.64	53.39	159.44	66.96
chr14	688102	689424	20.84	35.85	18.82	38.58
chr14	690453	691571	0	0	0	0
chr14	691689	694470	0	0	3.95	12.3
chr14	694661	698642	20.5	15.3	8.59	14.85
chr14	698729	702601	34.59	21.9	66.14	31.25
chr14	702602	704219	24.94	16.57	2	9.34
chr14	704501	706719	0	0	0	0
chr14	706721	709048	8.42	24.92	10.31	13.02
chr14	709173	712036	4.21	14.7	59.95	33.15
chr14	712441	715331	61.04	33.32	93.7	33.43
chr14	715350	718590	4.74	9.23	5.73	29.97
chr14	719288	727295	1.49	9.24	8.51	11.64
chr14	727851	730236	50.33	48.05	75.98	53.21
chr14	730237	733202	50.8	41.92	43.29	53.05
chr14	733236	737421	41.88	35.13	80.79	46.88
chr14	738812	740690	47.95	31.31	27.41	35.89
chr14	741023	744646	0	0	0	0
chr14	744758	755221	9.11	6.98	7.5	12.85
chr14	755621	757415	251	15.33	189.61	14.05
chr14	757880	761552	0	0	0	0
chr14	761553	763084	0	0	4.83	17.31
chr14	763202	764827	0	0	0	0
chr14	765395	766777	0	0	0	0
chr14	767252	768913	26.94	13.18	22.26	31.85
chr14	769397	769852	0	0	0	0
chr14	769897	773853	0	0	0.1	6.4
chr14	774007	775203	13.24	20.4	5.1	20.4
chr14	775215	777934	0	0	0	0
chr14	778198	779595	0	0	0	0
chr14	779637	780977	0	0	0	0
chr14	781100	782720	0	0	0	0
chr14	782887	784452	93.91	50.67	22.62	21.79
chr14	784680	786317	65.48	65.61	27.27	53.27
chr14	786318	788426	0	0	0	0
chr14	788945	790671	3.24	32.21	0	0
chr14	790750	793971	0.73	1.77	0	0
chr14	794863	796995	0	0	0	0
chr14	797362	797883	0	0	0	0
chr14	797953	799697	0	0	3.07	10.67
chr14	799802	801553	0	0	25.57	19.25
chr14	801580	803751	10.43	18.15	4.45	20.64
chr14	803812	806808	7.18	7.68	0	0
chr14	806809	808492	25.36	53.18	5.42	17.29
chr14	809365	825439	0.06	1.87	0.61	2.28
chr14	826234	828441	13.81	15.45	19.12	30.9
chr14	829969	832284	0	0	0	0
chr14	833214	835565	0	0	0	0
chr14	835829	837835	0	0	1.78	1.55
chr14	837923	839944	4.02	10.49	40.8	44.73

chr14	840041	843083	0.14	9.63	1.47	15.12
chr14	843128	847216	1.49	6.65	4.24	4.99
chr14	847392	849127	62.6	45.07	3.96	12.56
chr14	849407	851392	0	0	0	0
chr14	851691	852446	370.67	97.35	42.88	85.56
chr14	852467	853430	0.02	1.14	0	0
chr14	853902	857715	0	0	15.51	15.37
chr14	857724	864111	0	0	0.01	0.33
chr14	864206	867611	1.08	5.29	6.64	8.96
chr14	867644	868860	12.63	18.83	2310.51	14.14
chr14	869529	878437	0.03	0.82	1.27	2.12
chr14	878438	881008	0	0	3	20.43
chr14	881094	887170	0	0	0	0
chr14	887710	890460	56.02	25.35	44.53	25.31
chr14	890555	894570	0	0	0	0
chr14	894757	897231	0	0	2.72	6.75
chr14	897564	898770	0	0	0	0
chr14	898941	900874	0	0	0	0
chr14	901339	904373	2.83	12.2	3.12	20.93
chr14	905756	910325	25.94	18.67	9.36	17.86
chr14	910326	915612	0	0	0	0
chr14	915724	921012	0.38	2.33	0.08	1.23
chr14	921016	926781	0	0	0	0
chr14	928435	930403	0	0	0	0
chr14	930588	939333	0	0	1.06	6.91
chr14	939335	942702	0	0	0	0
chr14	942721	947600	0.04	1.66	0.02	1.25
chr14	947747	953578	0	0.34	0	0
chr14	954279	955414	0.59	5.11	0.22	4.41
chr14	955895	957840	17.17	10.69	11.33	14.09
chr14	957845	963517	0	0	0	0
chr14	964307	965189	0	0	0	0
chr14	965646	968165	0	0	0.11	5.72
chr14	968906	971550	0.84	2.87	21.63	23.49
chr14	971823	977983	5.42	2.76	7.43	6.74
chr14	979383	981408	21.32	24.99	9	36.05
chr14	983719	988863	103.1	13.74	128.76	13.49
chr14	989128	989957	0	0	0	0
chr14	990599	997704	53.25	27.16	648.32	31.08
chr14	998982	1000216	0	0	0	0
chr15	634	2088	0	0	0	0
chr15	2170	3738	9.44	24.17	29.03	48.72
chr15	3812	4708	24.44	33.37	0	0
chr15	4896	6841	32.36	14.34	30.41	14.34
chr15	7336	11782	62.19	14.84	97.02	21.03
chr15	11783	18578	11	12.33	15.13	10.24
chr15	18579	20736	13.49	17.52	26.53	17.43
chr15	20798	25268	198.67	28.99	162.55	30.63
chr15	26100	27449	0	0	0	0
chr15	27770	30380	0	0	0	0
chr15	30582	32491	0	0	0	0
chr15	33552	34799	0	0	0	0
chr15	34800	36222	0	0	0	0
chr15	36240	38687	0	0	0	0
chr15	39005	46198	1.11	6.56	11.37	9.34
chr15	46441	50630	14.08	25.11	19.94	27.31
chr15	50665	56036	0	0	0	0
chr15	57310	60703	0	0	0	0
chr15	61388	64484	0	0	0	0
chr15	64702	67639	0	0	0.01	0.78
chr15	67655	73076	19.5	24.96	14.68	27.65
chr15	73497	76472	1480.35	69.08	1296.76	61.24
chr15	76473	86154	8.34	9.98	4.86	9.38
chr15	86159	91869	0.01	0.7	0	0
chr15	91961	93797	0	0	0	0

chr15	94163	96510	0	0	0	0
chr15	96516	99806	3.9	11.58	1.02	3.83
chr15	99808	111757	0	0	0	0
chr15	112415	114511	0	0	0	0
chr15	114679	119209	0	0	0.92	6.69
chr15	119230	123479	0.64	5.34	1.38	4
chr15	123605	125281	0.48	3.46	0	0
chr15	125282	136162	95.81	23.07	110.81	29.29
chr15	136164	141276	0.02	1.1	1.84	8.55
chr15	141882	144317	33	45.71	132.43	39.1
chr15	144323	149298	0.09	0.94	0.01	0.94
chr15	149555	151335	0	0	0.66	8.15
chr15	151557	153596	0	0	0	0
chr15	153799	154536	0	0	0	0
chr15	154552	158432	0	0	0	0
chr15	158848	163088	1.56	8.51	5.22	13.25
chr15	163533	165436	0	0	0	0
chr15	165501	168866	19.5	8.8	11.14	10.61
chr15	169061	172031	10.76	13.03	7.33	11.52
chr15	172077	172831	0	0	0	0
chr15	172832	174838	8.49	42.02	25.78	42.12
chr15	174855	179930	6.96	18.27	14.91	18.03
chr15	180328	180831	0	0	0	0
chr15	180921	183870	2.77	8.58	5.52	11.8
chr15	184240	190993	0	0	0	0
chr15	191111	194582	0.01	0.58	0.02	0.55
chr15	195579	206199	33.79	1.87	22.03	1.88
chr15	206330	212291	0	0	0.08	4.03
chr15	212330	216105	0.72	3.6	0.6	3.6
chr15	216156	217265	0	0	0	0
chr15	217481	219864	0	0	0	0
chr15	219956	225295	0.1	1.03	0.95	4.2
chr15	225525	227908	10.87	3.73	9.49	11.5
chr15	227935	229253	0	0	14.21	25.72
chr15	229287	231407	0	0	7.87	21.46
chr15	231841	240111	6.92	7.13	10.66	7.51
chr15	240895	242240	0	0	0	0
chr15	242786	244947	0	0	0	0
chr15	245130	247178	0	0	0	0
chr15	247485	248663	0	0	0	0
chr15	249362	250531	0	0	1.33	14.8
chr15	251593	254269	27.85	8.18	3.76	8.18
chr15	254270	259094	3.25	5.7	0.36	1.89
chr15	259333	260681	0	0	0	0
chr15	260943	264514	2.03	15.63	0	0
chr15	264541	268942	3.01	3.36	0.78	6.07
chr15	268950	269975	0	0	0	0
chr15	270187	272567	11.55	19.62	6.71	15.92
chr15	272932	279189	4.49	2.57	15.98	13.25
chr15	281185	283190	31.41	20.25	41.34	27.53
chr15	283573	284104	67.53	50.47	81.49	50.47
chr15	284496	285959	0.03	0.41	16.85	42.65
chr15	286309	286671	0	0	0	0
chr15	289939	293231	0	0	0.69	5.22
chr15	293465	294899	106.41	87.66	66.09	60.67
chr15	294900	297300	64.62	23.5	34.38	23.5
chr15	297363	299897	3.27	27.19	0.23	3.91
chr15	299919	302310	1.01	19.95	29.54	39.77
chr15	302356	307361	30.82	26.49	39.53	44.96
chr15	307391	312347	11.75	19.63	20.75	25.36
chr15	312380	314140	28.25	48.98	95.61	35.51
chr15	314511	315877	45.61	41.51	65.93	58.64
chr15	315949	316932	0	0	2.94	46.49
chr15	317595	318986	7.5	14.67	0.44	4.82
chr15	319050	321904	8.24	11.88	28.65	32.34

chr15	322756	324207	87.57	70.85	31.19	54.79
chr15	325196	328162	73.1	42.28	100.21	53.07
chr15	328934	330396	0	0	0	0
chr15	330397	333884	42.3	44.16	54.38	51.19
chr15	333900	338584	28.33	27.26	13.63	18.42
chr15	338919	339682	0	0	13.69	19.66
chr15	340123	341820	9455.74	45.79	170.56	49.79
chr15	342170	343339	24.89	40.72	27.99	69.55
chr15	343744	346756	141.71	40.77	49.15	39.91
chr15	346757	349381	8.95	7.39	17.66	19.47
chr15	349572	352662	68.63	13.4	44.27	25.76
chr15	353115	356245	94.37	36.52	65.9	43.93
chr15	356530	357817	93.42	83.06	122.81	79.25
chr15	358138	360190	112.63	38.94	45.16	37.57
chr15	360565	362594	4	12.07	33.57	42.88
chr15	362595	365102	153.79	73.12	247.61	72.52
chr15	365286	368352	83.86	29.29	22.77	41.32
chr15	368354	372007	30.05	21.35	13.64	27.37
chr15	372008	376036	32.24	41.46	47.64	48.36
chr15	376210	378831	0	0	6.23	28.2
chr15	378832	382810	0	0	0	0
chr15	382933	384803	6.6	14.06	20.34	43.26
chr15	385135	389097	18.89	19.43	0	0
chr15	389466	390570	0	0	1.05	13.95
chr15	392147	395323	56.91	36.65	47.97	43.2
chr15	395374	397696	16.15	44.79	17.78	38.07
chr15	398188	401492	11.06	17.95	9.3	25.91
chr15	401728	404695	0	0	0.02	2.02
chr15	404698	408022	0	0	3.65	20.34
chr15	408023	409714	0	0	0	0
chr15	409917	410747	57.31	57.71	42.03	69.16
chr15	410828	412599	0	0	13.69	14.74
chr15	413123	415894	21.6	3.86	7.63	21.91
chr15	416310	418115	24.89	20.66	16.12	46.54
chr15	418338	419756	10.47	18.69	75.99	53.31
chr15	420355	423615	558.34	49.69	866.27	56.2
chr15	424041	429502	3.52	4.61	9.17	12.31
chr15	430812	432130	0	0	7.42	18.13
chr15	432696	436492	68.64	40.7	56.67	25.16
chr15	436511	438984	21.65	27.66	15.61	17.31
chr15	439240	441015	54.02	33.18	46.63	13.41
chr15	441412	444015	4.32	8.41	0	0
chr15	444601	446187	0	0	0	0
chr15	446555	447523	0	0	0	0
chr15	447830	448938	0	0	0	0
chr15	448950	452252	0	0	0	0
chr15	452265	456712	0.15	4.77	0	0
chr15	457669	461997	0.89	2.31	1.3	2.75
chr15	462355	473005	6.96	5.08	1.3	7.21
chr15	473694	475946	0	0	0	0
chr15	476414	478645	0	0	0	0
chr15	478667	479865	23.24	20.2	0.69	19.87
chr15	480847	484175	1.33	2.79	3.36	5.92
chr15	484176	488726	33.34	17.69	47.24	27.54
chr15	488740	490277	40.01	43.33	33.7	37.61
chr15	490751	494237	177.96	7	6.97	19.91
chr15	494272	498039	0	0	0.09	9.34
chr15	506512	507883	0	0	30.88	14.59
chr15	507898	513358	3.91	3.35	6.02	5.02
chr15	513646	515939	0.07	0.87	1.09	15.53
chr15	515940	517613	4.55	8.85	0.46	8.85
chr15	517754	520538	9.31	17.89	19.59	38.04
chr15	520539	522380	76.74	19.01	13.88	39.54
chr15	522502	524056	53.75	19.95	18.84	19.88
chr15	524128	525337	0	0	0	0

chr15	525574	526403	0	0	0	0
chr15	526462	531211	0	0	0	0
chr15	531346	533219	0	0	8.74	18.31
chr15	533220	535487	13.05	6.88	28.47	7.01
chr15	535615	537256	0	0	0	0
chr15	537257	539889	60.59	27.58	74.26	37.39
chr15	540760	542115	9.7	29.89	2.61	24.28
chr15	542241	543458	0	0	0	0
chr15	544805	547029	8.11	10.66	0	0
chr15	547812	551584	11.13	7.03	3.81	20.04
chr15	551625	554267	5.68	10.94	7.34	17.56
chr15	554663	556369	0	0	0	0
chr15	556523	556936	0	0	1.65	14.29
chr15	557457	560363	3.06	11.6	0	0
chr15	560853	562762	0	0	0	0
chr15	563269	568597	0	0	0.01	0.36
chr15	568598	570698	0	0	3.21	24.43
chr15	570911	571400	0	0	0	0
chr15	571499	574130	0	0	0	0
chr15	574342	578723	17.61	13.03	11.94	19.13
chr15	587005	587340	0	0	0.41	39.1
chr15	588870	590320	0	0	1.65	9.31
chr15	590958	591674	0	0	1.48	15.36
chr15	592168	593890	0	0	0	0
chr15	593891	596132	2.2	12.76	0	0
chr15	596363	596996	0	0	0	0
chr15	597050	598047	0	0	0	0
chr15	598242	601624	2.29	31.11	0.15	9.73
chr15	601806	605355	0	0	0	0
chr15	605595	608233	0.81	5.91	0	0
chr15	608255	610438	4.55	30.1	2.74	20.06
chr15	610571	613812	0	0	0	0
chr15	613829	615746	1121.65	47.42	308.1	47
chr15	616044	618066	55.34	49.16	8.1	32.59
chr15	619027	620809	8.7	12.63	3.33	12.63
chr15	621247	622019	17.07	22.8	15.36	22.8
chr15	622296	623927	0	0	0	0
chr15	624364	626073	11.42	15.8	17.57	39.79
chr15	626916	627900	5.55	23.58	11.96	49.7
chr15	628958	632855	0	0	0	0
chr15	633657	636728	0	0	0	0
chr15	637611	642974	36.78	14.15	18.92	16.54
chr15	642989	643489	0	0	0	0
chr15	643513	644542	0	0	0	0
chr15	644543	647353	0.78	14.59	11.78	16.41
chr15	647373	648601	0	0	0	0
chr15	648672	650096	0	0	0.05	1.33
chr15	650378	651028	57.05	36.31	87.48	36.31
chr15	651375	653332	4.01	13.69	1.67	9.15
chr15	654466	659358	7.93	5.42	7.72	15.04
chr15	660405	662882	0.49	6.7	29.37	37.46
chr15	663108	666574	17.56	37.91	2.03	21.7
chr15	666785	668291	0	0	0	0
chr15	668970	669233	0	0	0	0
chr15	669937	671631	0	0	0	0
chr15	671665	674411	2.1	16.93	3.61	14.13
chr15	674855	676381	0	0	0	0
chr15	676558	678624	0	0	0	0
chr15	678737	683698	0.67	5.06	6.31	6.95
chr15	684344	686425	34.31	51.75	58.26	37.39
chr15	686982	689382	0	0	0.12	9.42
chr15	690191	692884	0	0	0	0
chr15	692885	696627	3.78	4.76	3.01	9.19
chr15	696641	699740	0	0	5.87	7.78
chr15	699859	707716	1.94	5.65	0	0

chr15	707806	710189	81.65	38.73	74	35.25
chr15	710730	713760	0	0	0.37	5.02
chr15	713807	714130	0	0	0	0
chr15	714256	714753	0	0	0	0
chr15	714813	715629	0	0	0	0
chr15	716567	717558	0	0	0	0
chr15	717559	719410	0	0	0	0
chr15	719822	721681	10.12	17.91	24.12	17.81
chr15	721682	731172	7.79	6.79	14.76	15.21
chr15	731401	733770	0	0	0	0
chr15	733870	736470	0	0	0	0
chr15	736507	741078	0.02	0.53	0	0
chr15	741155	744682	0	0	0	0
chr15	745038	746837	47.52	21.07	8.49	20.9
chr15	748189	750677	5.6	12.7	0	0
chr15	752157	752845	0	0	0	0
chr15	753604	755454	0	0	1.18	9.95
chr15	755564	763881	130.21	20.78	15.39	14.16
chr15	764499	766392	0	0	0	0
chr15	766921	768475	0	0	28.61	36.62
chr15	768476	770547	10.18	7.39	17.72	30.28
chr15	770595	772887	45.12	21.73	39.04	13.53
chr15	773479	775661	0	0	0	0
chr15	775662	779632	0	0	0	0
chr15	779633	781695	0	0	0	0
chr15	783420	784494	227.83	43.95	161.3	43.95
chr15	784920	786249	40.75	46.5	29.91	41.61
chr15	786619	787785	0	0	0	0
chr15	787856	791926	1.43	4.55	0	0
chr15	792210	795835	0	0	0	0
chr15	795836	799148	0.02	1.18	0	0
chr15	799171	799963	0	0	0	0
chr15	799967	803163	0	0	3.03	7.17
chr15	803164	804770	0	0	0	0
chr15	805049	808247	29.56	22.67	4.26	9.1
chr15	808255	816186	8.94	6.48	17.07	13.87
chr15	816187	823159	0	0	0	0
chr15	823187	834814	3.52	7.9	1.21	4.21
chr15	835050	837048	10.39	6.81	3.18	17.87
chr15	837049	838954	82.94	57.17	48.12	46.04
chr15	839106	842302	15.71	19.77	4.32	20.18
chr15	842349	843548	0	0	0	0
chr15	843746	845399	0	0	0	0
chr15	845408	849391	0	0	1.31	3.09
chr15	849606	853272	10.92	47.85	5.49	33.72
chr15	853283	858742	0.01	0.37	0	0
chr15	859822	865163	2.74	7.81	6.08	8.54
chr15	867137	872005	11.96	14.13	18.29	18.53
chr15	872048	876683	17.85	6.54	80.58	10.68
chr15	877424	880133	0.01	0.7	0	0
chr15	880134	882482	0.02	0.81	0.02	0.81
chr15	882823	897244	0.45	0.91	0.08	0.45
chr15	897853	901757	11.16	13.27	11.96	28.2
chr15	901937	903186	0	0	0	0
chr15	905801	907488	2003.34	77.18	333.62	72.44
chr15	912977	914600	2096.24	76.65	351.72	71.41
chr15	922299	923918	2087.4	76.41	356.51	72.82
chr15	929441	931064	2067.88	76.83	348.46	71.97
chr15	936696	941606	0.01	0.41	0	0
chr15	941627	953631	0	0	1.03	2.39
chr15	953649	955341	0	0	0	0
chr15	955861	957195	0	0	0	0
chr15	957893	958931	26.95	32.66	12.25	22.93
chr15	959703	963789	14.27	18.77	4.52	18.23
chr15	963862	965458	8.29	21.12	0.59	6.95

chr15	965900	966987	0	0	0	0
chr15	967471	969898	0	0	0	0
chr15	970303	972365	0	0	2.44	11.15
chr15	972530	974222	0	0	0	0
chr15	974242	975585	0	0	5.32	20.63
chr15	975732	979151	27.35	37.15	34.09	10.85
chr15	979612	981210	5.74	31.16	9.49	23.9
chr15	981731	982714	0	0	0	0
chr15	982774	983304	0	0	0	0
chr15	983825	986075	0	0	5.25	12.93
chr15	986308	987821	3.7	7.27	18.4	38.33
chr15	987883	988389	0	0	25.88	40.51
chr15	988924	991314	16.57	17.95	0.03	1.63
chr15	991811	995390	1.78	4.72	0	0
chr15	995391	999457	0	0	0	0
chr16	615	1810	20.57	31.3	18.17	43.1
chr16	2514	13364	99.62	16.26	27.5	20.87
chr16	14442	21379	3.56	6.2	6.18	4.64
chr16	22309	26831	10.49	11.32	4.26	6.72
chr16	27267	34385	11.63	10.41	15.92	17.04
chr16	35174	41157	3.39	7.49	0.85	3.39
chr16	41158	51878	0	0	1.71	1.62
chr16	53099	55353	0	0	2.56	27.77
chr16	56176	61114	0	0	0	0
chr16	61126	67656	0	0	0	0
chr16	67837	71481	0	0	0.07	7.41
chr16	71616	73699	0	0	0	0
chr16	74190	83202	55.93	15.27	56.16	20.81
chr16	83452	90104	7.65	7.08	3.07	7.08
chr16	90916	92876	0	0	0.33	8.57
chr16	93535	95446	0	0	0	0
chr16	95468	102662	37.54	23.05	18.02	11.66
chr16	103894	113161	2.13	9.11	5.17	6.96
chr16	113237	114165	0	0	0	0
chr16	114217	118949	0	0	0	0
chr16	118988	121991	0	0	6.44	7.43
chr16	122135	124974	1.31	8.31	0.57	4.76
chr16	125249	126223	0	0	0	0
chr16	131370	139824	4.93	9.59	13.82	21.19
chr16	140465	143074	10.5	6.13	0	0
chr16	143185	144605	0.02	1.55	0	0
chr16	144848	149666	1.73	10.07	7.13	8.18
chr16	149768	151627	0	0	24.3	21.89
chr16	152022	154308	15.1	12.34	0.02	0.83
chr16	154309	157861	0	0	0	0
chr16	158487	161620	50.34	34.7	75.41	25.66
chr16	162640	163707	0	0	0	0
chr16	164374	165076	0	0	0	0
chr16	165113	166974	0	0	0	0
chr16	167312	170661	0	0	0.76	9.02
chr16	171511	173054	11.85	8.55	9.74	11.41
chr16	173108	174326	0.76	19.05	52.88	26.68
chr16	174996	177545	0	0	0	0
chr16	178001	181574	0	0	0	0
chr16	181655	183710	23.2	36.84	43.54	27.93
chr16	184141	187526	0	0	0	0
chr16	187952	195582	2.52	3.68	9.8	18.06
chr16	196548	199277	12.25	22.21	7.29	33.46
chr16	199512	202337	0	0	0	0
chr16	202849	206804	4.88	3.06	12.55	13.22
chr16	206850	212045	33.42	18.9	2.3	17.42
chr16	212067	218010	15.37	26.79	13.65	22.35
chr16	218443	222141	18.83	17.04	22.26	34.13
chr16	222289	223981	378.94	74.11	180.43	74.11
chr16	224815	227390	51.99	25.48	9.82	35.73

chr16	227869	229210	311.26	72.63	167.74	72.41
chr16	230418	232325	6.49	11.96	3.4	11.96
chr16	232483	235151	0.27	3.67	0.04	3.67
chr16	235260	237338	0	0	0	0
chr16	237593	242131	40.32	25.69	25.84	32.42
chr16	242722	243277	37.38	65.95	0	0
chr16	243286	244492	16.32	30.02	0	0
chr16	244726	246121	0	0	0	0
chr16	246303	247298	0.73	16.68	0	0
chr16	247334	250453	1.25	4.58	0	0
chr16	250633	252934	0	0	0	0
chr16	253048	257340	0	0	0.02	0.47
chr16	257341	261628	8.74	8.07	4.21	16.54
chr16	262461	265785	0	0	0	0
chr16	266095	270816	22.15	30.44	46.07	32.92
chr16	270817	272496	0	0	0	0
chr16	272668	282987	1.73	5.37	2.52	4.25
chr16	282998	287021	1.68	13.67	0	0
chr16	287333	288894	0	0	2.61	21.27
chr16	288909	289838	27.74	39.94	29.4	52.1
chr16	290005	296303	48.04	15.67	13.76	20.93
chr16	296575	297240	47.67	91.28	8.43	42.26
chr16	298252	302513	7.13	22.48	1.7	7.23
chr16	303042	304932	0	0	0	0
chr16	305075	305819	0	0	0	0
chr16	306611	308811	0.05	1	0	0
chr16	309696	315795	8.55	11.77	18.91	16.74
chr16	315796	317759	0	0	0	0
chr16	318071	319658	0	0	0.11	1.39
chr16	320209	321555	0	0	0	0
chr16	321566	325865	58.45	29.01	71.41	44.87
chr16	326594	328639	0	0	0.04	4.4
chr16	328657	333934	3.2	3.58	3.25	3.58
chr16	334682	335870	91.47	39.81	60.19	60.02
chr16	336569	337829	66.17	51.27	60.82	39.29
chr16	338205	344520	5.61	3.61	0.12	1.09
chr16	346167	348274	2.24	25.91	0	0
chr16	349317	351201	3.59	30.2	0	0
chr16	352245	353901	2.13	34.36	0	0
chr16	354202	358914	12.63	12.39	18.41	23.64
chr16	358915	360672	103.94	21	59.16	36.43
chr16	362744	365859	0.16	5.65	1.88	14.51
chr16	365982	367662	0	0	0	0
chr16	367730	371160	0	0	2.6	23.27
chr16	371235	373563	7.96	22.77	4.26	22.77
chr16	373577	376757	173.53	24.75	196.22	18.33
chr16	377786	380491	20.53	6.58	0.7	6.58
chr16	381255	382679	47.26	29.92	9.45	21.84
chr16	383052	384584	0	0	0	0
chr16	384907	386022	0	0	0	0
chr16	386045	391172	135.76	44.41	92.1	43.55
chr16	391175	394903	0	0	5.3	9.39
chr16	395992	397812	5.15	25.55	13.31	19.51
chr16	397915	400590	74.6	53.42	20.44	30.84
chr16	400835	402011	7.91	31.46	0	0
chr16	402185	406999	10.96	13.17	12.71	10.37
chr16	407608	409152	3.06	32.45	0	0
chr16	410018	413581	88.24	68.09	100.77	61.16
chr16	417663	421754	0	0	0	0
chr16	421814	423583	0	0	1.43	13.85
chr16	424876	425564	0	0	0	0
chr16	426041	428089	0	0	0.23	8.54
chr16	428288	428695	19.03	45.95	28.57	54.55
chr16	430065	434827	0.72	7.29	6.45	13.86
chr16	435022	436207	42.92	28.95	61.05	65.91

chr16	437441	438334	20.16	17.58	3.87	17.58
chr16	438418	440944	0.61	13.62	13.13	35.15
chr16	441159	447403	7.53	3.3	7.22	6.6
chr16	448259	449734	0	0	274.12	31.86
chr16	449800	451687	0	0	0	0
chr16	452181	452784	114.79	32.5	79.9	32.67
chr16	453651	454960	116.82	50.95	142.95	46.52
chr16	455728	457147	11.28	38.76	20.57	38.9
chr16	457387	460660	0	0	0	0
chr16	461256	463131	0	0	3.25	33.17
chr16	464014	465213	0	0	0.68	32.78
chr16	465263	467812	0	0	0	0
chr16	468260	470088	3.33	24.23	0	0
chr16	470578	472345	0	0	0	0
chr16	474490	475569	113.51	88.42	105.86	88.23
chr16	476523	482420	0.35	5.85	0.54	6
chr16	482602	485293	0.54	3.23	0	0
chr16	485294	486482	26.17	34.09	60.57	30.98
chr16	486636	488154	0	0	5.27	26.15
chr16	488189	490330	20.73	40.54	0	0
chr16	490778	491630	0	0	0	0
chr16	492274	494043	0	0	0	0
chr16	494410	495978	0	0	0	0
chr16	496179	497540	105.57	56.65	0	0
chr16	497820	499349	26.18	11.58	22.76	34.66
chr16	499450	508020	7.98	8.67	0.87	3.64
chr16	508509	509423	0	0	0	0
chr16	509750	515167	0.72	2.34	5.93	14.05
chr16	515625	516686	0	0	0	0
chr16	516992	519885	11.13	5.84	0	0
chr16	519905	523259	5.61	8.17	6.37	15.5
chr16	523532	524389	468.35	21.24	170.42	45.04
chr16	524870	525865	0	0	0	0
chr16	526065	528067	0	0	24.47	41.06
chr16	528453	530498	0	0	3.05	14.13
chr16	531126	531693	16.21	50.97	36	60.14
chr16	531856	533421	684.72	47.54	513.6	45.62
chr16	533628	538419	21.07	21.71	53.01	36.9
chr16	538865	544679	0	0	0	0
chr16	544729	546952	0	0	0	0
chr16	547015	548480	2.55	14.68	38.73	16.04
chr16	548635	549452	41.72	53.37	5.47	11.02
chr16	549466	550845	0	0	49.44	33.79
chr16	551029	552624	0	0	14.16	25.77
chr16	552701	558604	0.07	4.51	0.27	5.54
chr16	558903	562845	0	0	1.75	4.46
chr16	564036	564416	69.94	100	0	0
chr16	565267	567541	493.23	58.31	732.69	69
chr16	568741	572884	4.1	13.28	8.24	18.63
chr16	575861	580153	118.41	28.52	89.68	34.27
chr16	580785	584327	0.03	0.54	0.03	0.54
chr16	584328	585894	0	0	0	0
chr16	585981	588326	0.2	5.5	1.75	5.59
chr16	589130	591653	3.48	4.76	17.11	11.3
chr16	592345	597780	0.21	2.8	36.85	26.62
chr16	597781	601351	108.51	14.57	0.78	11.48
chr16	601356	604217	105.88	49.46	106.49	69.7
chr16	605995	609972	5.33	18.13	5.71	28.89
chr16	610259	613096	112.29	48.85	180.33	55.45
chr16	613287	617422	1.72	3.48	0	0
chr16	617607	620512	17.31	35.77	13.09	41.2
chr16	621136	621732	28.33	49.83	5.59	56.71
chr16	622780	623911	30.33	22.28	97.65	22.19
chr16	624536	625335	0	0	4.41	5.01
chr16	626209	629671	0	0	0	0

chr16	630873	632625	0	0	0	0
chr16	632631	633527	0	0	0	0
chr16	633556	635448	0	0	0	0
chr16	635529	636303	0	0	0	0
chr16	636561	644880	4.5	2.25	3.49	4.11
chr16	644881	647124	9.06	18.06	12.44	18.81
chr16	648201	649273	0	0	0.3	3.92
chr16	651185	652582	0	0	2.74	30.64
chr16	652871	653842	0	0	0	0
chr16	653942	661875	9.47	16.56	25.42	30.92
chr16	661921	664048	0	0	0	0
chr16	664974	666516	0	0	0	0
chr16	666643	666978	0	0	0	0
chr16	668489	670608	12.72	9.53	5.15	37.66
chr16	670705	671334	0	0	73.68	68.68
chr16	671802	674164	0.47	4.95	0.81	11.73
chr16	674165	675282	0.57	7.16	2.52	10.03
chr16	675295	679332	93.07	24.57	28.21	11.49
chr16	679346	681452	65.74	38.94	84.08	59.83
chr16	681734	683029	35.08	45.33	24.3	85.1
chr16	683597	687308	7.32	11.05	12.34	21.1
chr16	687328	689802	19.85	34.92	7.11	50.61
chr16	690085	692151	24.35	20.81	1.67	13.94
chr16	692600	693387	0	0	0	0
chr16	693398	695649	1.05	6.13	0	0
chr16	696806	698244	0	0	0	0
chr16	698278	705411	17.15	11.22	31.8	20.57
chr16	705563	707047	72	36.52	76.41	65.16
chr16	707342	709591	16.34	17.87	53.73	37.13
chr16	710230	714575	86.35	41.8	159.58	56.69
chr16	715515	719163	10.99	19.93	10.43	16.69
chr16	719177	720775	0.78	13.14	9.1	13.14
chr16	720852	723753	33.68	25.82	42.11	39.06
chr16	723983	725420	0	0	0.01	1.39
chr16	725440	727210	24.49	17.29	27.91	31.92
chr16	727374	734377	38.91	29.5	21.41	22.35
chr16	735367	738668	46.38	35.17	59.81	38.99
chr16	739650	744617	1.84	2.64	0.98	10.03
chr16	745122	748755	138.77	51.17	170.19	50.4
chr16	748756	752339	12.9	11.83	12.54	8.74
chr16	752795	753844	147.81	80.74	62.27	55.48
chr16	754647	755332	0	0	0	0
chr16	755468	757031	11.64	26.94	4.4	12.6
chr16	757271	765812	7.77	8.18	5.24	15.02
chr16	766420	770066	30.3	18.71	8.39	8.75
chr16	770631	772803	0	0	10.83	15.52
chr16	772846	776566	91.06	42.82	161.7	43.98
chr16	776583	777900	307.74	51.03	299.57	51.94
chr16	778515	780534	0	0	0	0
chr16	781036	782082	0	0	0.04	4.4
chr16	782401	782661	0	0	0	0
chr16	782895	784458	0	0	0	0
chr16	784741	791639	9.26	4	0	0
chr16	791700	793158	0	0	0	0
chr16	793265	796747	118.61	66.83	37.9	40.24
chr16	796748	798844	3.94	8.97	0.36	8.97
chr16	800075	801310	0	0	0	0
chr16	801349	806429	0	0	0	0
chr16	806893	814239	0	0	4.69	17.26
chr16	814579	817191	0	0	0	0
chr16	817492	820305	0	0	0	0
chr16	820342	828217	0	0	0	0
chr16	828265	829110	0	0	0	0
chr16	829587	835707	0	0.36	0	0
chr16	835708	837950	61.64	22.3	25.65	52.68

chr16	838336	839666	0	0	0	0
chr16	840032	843851	54.23	25.63	41.18	44.59
chr16	843865	855396	5.74	7.61	4.98	9.18
chr16	855412	860233	0	0	0	0
chr16	864968	866730	0	0	0	0
chr16	866731	868252	0	0	0	0
chr16	868253	872479	0	0	1.61	4.99
chr16	873026	873552	0	0	0	0
chr16	874582	880387	8.78	22.38	19.45	23.7
chr16	880456	886489	0	0	0	0
chr16	888047	895153	0.01	0.48	0.01	0.87
chr16	895522	896327	0	0	11.1	37.27
chr16	896965	898631	0	0	0	0
chr16	902197	904079	0.08	2.18	0.42	22.1
chr16	904882	905292	0	0	0	0
chr16	905834	909031	0.02	1.19	35.41	19.39
chr16	909037	918799	60.19	26.28	57.67	22.43
chr16	919313	920804	3.4	13.75	8.46	28.77
chr16	921278	925770	0	0	0	0
chr16	925790	930802	0.02	0.38	0.01	0.76
chr16	931306	932154	3.38	17.22	2.73	8.02
chr16	932740	934893	173.83	41.2	150.96	41.2
chr16	934894	956194	13.74	8.45	9.32	8.42
chr16	956320	958659	0.03	3.42	0	0
chr16	958677	961861	9.04	4.18	7.11	4.18
chr16	961995	963498	27.09	34.6	18.83	34.46
chr16	963499	964669	69.44	31.2	4.61	14.1
chr16	964847	966855	0	0	0	0
chr16	966877	971985	8.46	4.48	7.41	4.46
chr16	972904	973284	65.82	100	131.08	100
chr16	974489	979699	2.86	22.99	8.11	25.47
chr17	289	6416	9.32	18.28	25.75	27.03
chr17	6434	8400	5.6	4.73	0.08	4.17
chr17	8525	15363	0	0	0	0
chr17	15420	17190	159.45	37.12	186.22	39.94
chr17	18570	21403	79.79	50.48	25.72	59.2
chr17	22066	27094	0	0.38	0	0
chr17	27102	29707	0	0	0.1	2.61
chr17	30267	33968	16.32	8.3	9.62	17.81
chr17	34930	38222	34.57	17.47	10.15	16.65
chr17	38652	40951	4.19	9.31	1.01	21.05
chr17	41206	41890	0	0	39.03	31.58
chr17	42644	48193	3.85	5.28	15.56	21.75
chr17	48505	55463	5.83	10.91	17.13	8.47
chr17	59673	65003	13.17	9.83	26.67	14.33
chr17	65325	68237	0.37	5.36	0	0
chr17	69042	70192	0	0	0	0
chr17	70870	77195	0	0	1.41	3.32
chr17	77209	80398	12.11	43.93	17.88	38.82
chr17	80485	84262	0	0	0	0
chr17	84975	91203	0	0	0.02	2.07
chr17	91239	100142	0.04	0.62	0.16	0.62
chr17	101355	105351	6.68	12.11	10.1	16.32
chr17	105408	108644	41.49	31.58	13.4	27.72
chr17	108653	111942	61.08	24.72	39.59	45.58
chr17	111943	115294	0	0	0	0
chr17	115815	120045	0	0	0	0
chr17	120190	121665	0	0	0.4	14.1
chr17	121683	125054	0	0	0	0
chr17	125314	128096	0	0	0	0
chr17	128805	131353	3.41	14.84	7.87	9.22
chr17	131372	134434	0	0	0	0
chr17	134438	137375	0	0	0	0
chr17	137402	138916	21.76	12.75	20.84	12.75
chr17	139676	140689	0	0	0	0

chr17	141160	148701	0	0	0	0
chr17	148899	154982	0.01	0.66	0	0
chr17	155527	158100	0	0	0	0
chr17	158558	161627	0	0	0	0
chr17	162738	168112	52.45	34.63	70.25	49.98
chr17	168625	171228	4.69	7.99	8.56	8.72
chr17	171322	173685	0	0	0	0
chr17	173794	174764	0	0	0	0
chr17	175182	178490	216.17	61.94	255.3	62.67
chr17	178847	179317	39.26	61.7	23.14	100
chr17	179771	187656	17.14	5.72	19.92	13.48
chr17	187836	190348	0	0	0	0
chr17	190357	192561	0	0	0	0
chr17	192809	203918	9.1	6.79	11.37	7.14
chr17	203936	207698	0	0	0	0
chr17	209146	210729	0.77	31.21	0	0
chr17	210759	212569	20.79	17.4	45.65	27.29
chr17	212722	214468	142.15	51.09	223.9	45.25
chr17	215900	216334	0	0	0	0
chr17	218353	220260	103.01	27.11	37.51	43.31
chr17	220701	221828	0	0	0	0
chr17	222170	226489	20.72	5.12	6.77	12.55
chr17	226500	228748	0	0	0	0
chr17	228997	232313	0.38	5.94	2.87	5.97
chr17	232804	235644	0	0	0.01	0.7
chr17	235683	236805	0	0	0	0
chr17	236890	239592	1.01	4.03	0.36	4.03
chr17	240024	243006	5.99	6.64	4.17	6.64
chr17	243355	252722	6.02	3.6	3.88	4.15
chr17	252823	253197	0	0	0	0
chr17	254016	254517	0	0	0.43	33.93
chr17	256040	257205	359.08	32.7	563.21	59.14
chr17	257308	258231	45.27	71.4	13.02	78.55
chr17	258587	262222	9.09	15.02	8.74	17.58
chr17	262255	263470	0	0	0	0
chr17	264104	266451	19.98	5.54	19.13	21.69
chr17	266761	268408	0	0	0	0
chr17	269271	270526	236.37	33.71	172.71	30.28
chr17	270952	272292	0	0	0	0
chr17	273287	274786	13.43	41.36	62.49	53.04
chr17	275200	280820	0	0	0.6	3.52
chr17	280907	283211	0	0	0	0
chr17	283235	285080	0	0	0	0
chr17	285081	287375	0	0	0	0
chr17	287499	293614	13.14	11.25	7.87	14.15
chr17	293643	296423	0	0	0	0
chr17	297789	298109	0	0	0	0
chr17	299943	303229	52.81	47.6	51.53	57.36
chr17	303407	304864	1.6	8.17	0.16	14.96
chr17	305105	306778	2.56	20.02	0.37	12.37
chr17	306811	307662	0	0	0	0
chr17	307972	310673	3.31	11.11	4.69	20.33
chr17	310946	312202	23.18	44.51	9.28	27.39
chr17	312536	315064	0	0	0	0
chr17	316413	317090	0	0	0.36	13.88
chr17	319369	322102	32.75	45.44	29.8	55.4
chr17	322878	324277	2.07	8.51	0.17	15.58
chr17	324310	327385	2.4	12.26	0.33	10.63
chr17	327386	330075	2.91	11.16	5.89	20.42
chr17	330178	334482	7.05	17.26	2.37	9.06
chr17	334494	335682	0	0	2.24	18.43
chr17	335819	337786	5.68	9.51	0	0
chr17	337827	344506	0	0	5.48	6.95
chr17	344522	346857	0.01	1.5	0.95	14.3
chr17	347103	351212	2.53	12.8	0.96	17.01

chr17	351213	360162	63.82	27.67	54.56	30.28
chr17	363025	367935	2.5	5.27	0	0
chr17	367945	369734	0	0	0	0
chr17	370395	371270	39.98	39.2	84.85	39.66
chr17	371306	374783	0.82	4.11	2.97	4.03
chr17	375112	375763	0	0	0	0
chr17	375772	378035	42.49	39.51	16.42	35.48
chr17	378729	381743	0	0	0	0
chr17	381744	389817	2.51	4.89	1.84	4.65
chr17	389852	390927	51.86	45.95	0	0
chr17	391299	393580	0	0	4.48	6.49
chr17	393825	396249	0	0	6.85	8
chr17	397020	401907	38.47	15.45	10.13	12.63
chr17	402390	405512	3.53	4.84	43.08	39.78
chr17	405531	407788	13.49	22.11	9.58	16.66
chr17	407900	411027	4.58	15.8	9.21	40.9
chr17	411045	412537	0	0	14.5	25.74
chr17	413208	414385	3.19	15.63	4.41	60.83
chr17	415159	416370	32.64	19.08	55.75	55.57
chr17	416749	421111	31.47	17.26	25.77	33.31
chr17	421112	424565	31.82	25.57	8.19	25.54
chr17	424869	426466	118.35	66.88	84.6	67.69
chr17	426793	428281	7.29	15.19	2.35	15.19
chr17	428675	430198	11.56	30.01	57.04	45.63
chr17	430492	435758	12.36	9.61	2.12	5.56
chr17	435788	437362	5.81	19.7	18.36	11.82
chr17	437891	438889	5.12	37.88	0.27	24.15
chr17	439066	440643	8.07	15.35	75.36	15.47
chr17	441712	442089	0	0	0	0
chr17	442108	443007	0	0	0	0
chr17	443650	444600	0	0	0	0
chr17	444826	445182	0	0	0	0
chr17	445838	447763	0.03	1.92	0	0
chr17	448544	450307	20.15	26.83	55.57	27.06
chr17	450465	452407	0	0	0	0
chr17	452572	453687	37.5	28.43	43.34	51.84
chr17	454117	456657	47.51	55.51	8.89	42.36
chr17	457822	458603	0	0	0	0
chr17	458809	467424	96.92	47.14	70.84	38.97
chr17	467911	470906	0	0	2.8	6.91
chr17	470907	474125	0	0	0	0
chr17	474126	476599	2.28	5.01	11.93	24.02
chr17	476764	480683	24.95	24.09	15.93	19.93
chr17	480768	482896	3.29	8.51	17.06	32.47
chr17	482905	484140	221.62	93.6	74.32	97.89
chr17	486528	488274	0	0	0	0
chr17	488337	488960	0	0	0	0
chr17	489044	490006	0.16	3.95	0	0
chr17	490021	493116	0	0	0	0
chr17	493117	497816	5.37	13.66	2.95	8.58
chr17	497855	500998	0.19	5.19	7.77	35.6
chr17	501307	505512	0	0	0	0
chr17	505513	507457	0	0	0	0
chr17	507676	511178	19.09	19.7	15.5	7.45
chr17	511201	515013	22.48	17.5	87.58	29.83
chr17	515029	519932	241.62	19.44	77.38	38.61
chr17	519936	523666	7.63	15.79	30.1	22.47
chr17	523796	525253	338.42	65.13	338.13	22.65
chr17	526199	527758	0	0	7.62	49.01
chr17	528441	530561	230.67	57.78	308.22	66.42
chr17	530768	538759	1.07	3.64	1.58	3.82
chr17	539468	540206	57.16	42.82	47.83	37.13
chr17	540670	542191	60.33	59.57	61.04	87.71
chr17	542373	544427	58.03	48.15	100.33	72.49
chr17	544670	546159	137.33	51.85	72.77	55.34

chr17	546249	548525	7.65	21.75	30.14	63.53
chr17	549546	550961	53.14	50.6	2.51	41.77
chr17	550982	554734	0	0	0	0
chr17	554735	559127	4.29	7.54	6.93	16.44
chr17	559362	561114	0	0	0	0
chr17	561503	562960	0	0	0	0
chr17	563906	567444	0	0	0	0
chr17	569376	569810	704.02	99.77	470.15	100
chr17	570122	580200	17.86	16.29	3.71	13.61
chr17	580461	582183	0	0	0	0
chr17	583313	585605	69.43	46.42	53.57	46.6
chr17	586891	588450	95.2	78.96	143.4	61.58
chr17	588871	590803	2.74	5.12	0	0
chr17	592352	593182	3.17	46.27	0	0
chr17	593704	594891	0	0	0	0
chr17	595369	599200	19.96	13.31	17.79	20.67
chr17	599389	605128	3.42	3.24	0	0
chr17	605157	608210	36.18	15.82	5.8	18.18
chr17	608228	611805	10.02	14.45	60.06	21.58
chr17	611923	614915	25.68	22.86	23.32	22.73
chr17	614927	617692	0	0	23.8	10.49
chr17	618154	620349	5.59	7.02	14.24	18.72
chr17	620627	623120	0	0	0	0
chr17	623343	625101	0.9	23.21	11.04	26.28
chr17	625115	629613	0	0	0	0
chr17	629958	634422	56.36	10.35	30.64	15.93
chr17	634850	637866	0	0	0	0
chr17	637867	644859	21.5	12.23	5.3	10.76
chr17	646332	650952	10.62	4.44	1.18	7.99
chr17	651235	653487	0	0	0	0
chr17	654243	659062	5.78	4.34	0.57	2.72
chr17	659301	661356	58.02	12.8	33.6	12.9
chr17	661505	662951	0	0	0	0
chr17	663301	666237	2	11.61	0	0
chr17	666238	670418	0	0	0	0
chr17	671138	672714	0	0	0	0
chr17	672753	675611	0	0	24.01	26.21
chr17	676856	681264	0	0	0	0
chr17	682710	686288	0	0	0	0
chr17	686306	692512	9.71	10.18	3.68	16.03
chr17	694784	698235	0	0	0	0
chr17	698249	700081	0	0	5.51	35.04
chr17	700435	701965	60.36	56.21	67.96	69.48
chr17	702256	704119	0.02	1.07	0	0
chr17	704569	706311	0	0	0	0
chr17	706340	710378	0.01	0.5	0	0
chr17	710667	714280	0.01	1.27	0	0
chr17	714811	717650	0	0	0	0
chr17	717651	722791	32.56	32.32	47.3	31.81
chr17	723714	727629	1.59	9.71	3.08	11.34
chr17	728163	733161	11.45	19.57	2.81	9.14
chr17	733646	734880	0	0	0	0
chr17	734916	736661	0	0	0	0
chr17	737275	738440	0	0	0	0
chr17	738442	740714	0.03	0.84	0	0
chr17	741058	742591	0.44	4.44	0	0
chr17	744202	751472	2.57	5.43	2.17	5.43
chr17	752140	753841	0	0	0	0
chr17	753865	755411	0	0	0.97	6.53
chr17	755531	758216	0	0	0	0
chr17	758273	764337	48.56	40.78	25.08	28.92
chr17	764763	768269	0.89	5.19	0	0
chr17	768323	771234	0	0	0	0
chr17	771235	777778	0.95	2.06	0.02	1.93
chr17	778357	779632	19.86	24.16	13.58	19.84

chr17	779965	782616	0	0	0	0
chr17	782861	786519	0	0	0	0
chr17	788120	791550	0	0	0	0
chr17	791742	792356	0	0	0	0
chr17	792437	794610	0.05	1.84	0	0
chr17	795916	799255	0	0	0	0
chr17	799654	803939	14.21	10.55	3.59	11.18
chr17	804117	805433	13.58	18.09	20.88	18.09
chr17	805589	807276	0	0	0	0
chr17	808004	810199	0.22	4.46	2.5	4.46
chr17	810220	813377	0.01	0.6	0	0
chr17	813783	818307	2.94	6.72	9.91	6.72
chr17	819073	825020	3.66	7.3	3.56	10.07
chr17	825226	829322	17.49	15.28	6.58	17.31
chr17	829762	832926	0.01	0.66	0.09	2.43
chr17	833438	836262	0	0	0	0
chr17	836522	838670	0	0	0	0
chr17	839329	841500	0.04	0.88	0.02	0.88
chr17	841544	842895	0	0	0	0
chr17	843003	845694	10.64	18.25	7.56	16.65
chr17	845750	847808	0.07	1.21	0.07	1.26
chr17	847829	852307	0	0	0.01	0.45
chr17	852484	856899	7.78	10.19	8.92	17.67
chr17	857303	862389	6931.8	67.81	4385.72	73.59
chr17	862621	867780	3094.62	34.79	2557.13	25.78
chr17	867788	870266	0.56	0.97	0	0
chr17	870867	882602	0	0	0	0
chr17	893240	900257	0	0	0	0
chr18	546	5235	0	0	1.07	13.27
chr18	9648	10121	0	0	0	0
chr18	11059	11310	0	0	0	0
chr18	11324	12379	0	0	0	0
chr18	12579	20490	0.02	2.05	2.48	6.88
chr18	22260	41071	16.44	26.3	2.28	13.08
chr18	41551	42133	0	0	0	0
chr18	42433	43118	0	0	0	0
chr18	43333	44213	1.22	21.93	1.08	33.86
chr18	45377	51280	8.12	12.3	13.51	19.43
chr18	51357	52331	0	0	0	0
chr18	53533	53877	0	0	0	0
chr18	53929	54958	0.05	5.25	7.94	53.94
chr18	56995	64068	0.17	4.48	0.45	4.55
chr18	65824	67635	29.77	25.07	6.51	9.44
chr18	68072	68653	0	0	0	0
chr18	70306	70876	0	0	0	0
chr18	72502	74656	0	0	0	0
chr18	77462	78624	0	0	0	0
chr18	78862	79734	0	0	0	0
chr18	80808	81450	0	0	0.4	28.04
chr18	82534	82962	0	0	0	0
chr18	83512	83730	0	0	0	0
chr18	87619	87969	857.39	76.86	850.09	76.86
chr18	89539	95985	557.17	22.63	808.58	23.83
chr18	96903	98507	1453.31	56.8	2160.25	64.84
chr18	101036	102039	36.73	40.18	8.68	48.26
chr18	103109	116782	0.26	1.22	2.11	4.21
chr18	130918	131956	0	0	0	0
chr18	132344	139638	0	0	0	0
chr18	140187	146577	1042.94	40.63	766.66	43.47
chr18	147697	149587	0	0	0	0
chr18	149855	153149	0	0	0	0
chr18	154181	157384	0	0	0	0
chr18	157419	164610	0	0	0	0
chr18	166736	169918	0	0	0	0
chr18	173907	177287	0	0	0	0

chr18	177417	180552	0	0	0	0
chr18	181476	186781	0	0	0	0
chr18	186788	193371	0.71	1.43	0	0
chr18	194080	199201	14.39	23.73	8.64	26.34
chr18	199353	203427	0	0	0	0
chr18	204114	213534	1.54	4.65	0	0.37
chr18	213890	225088	3.54	1.63	2.34	1.44
chr18	225423	227677	0	0	0	0
chr18	228358	230446	12.29	18.82	5.4	12.5
chr18	231057	234577	0	0	0	0
chr18	235345	238630	0	0	0	0
chr18	239325	248391	0	0.23	0.09	5.91
chr18	249180	252790	0	0	2.26	22.94
chr18	253240	254443	9.2	42.98	82.89	42.98
chr18	254751	260170	2.76	7.51	1.4	13.16
chr18	260235	265068	0	0	0.66	4.63
chr18	266063	267931	0	0	0	0
chr18	267940	268359	0	0	0	0
chr18	268374	269346	0	0	0	0
chr18	269373	271611	3.02	16.89	379.08	36.86
chr18	273897	279606	7.32	13.89	3.08	13.93
chr18	279612	281392	18.24	39.44	9.54	70.39
chr18	281701	282523	0	0	0	0
chr18	283096	283916	0	0	10.9	26.83
chr18	285066	285524	0	0	0	0
chr18	286179	286901	0	0	0	0
chr18	289096	289650	0	0	0	0
chr18	289857	290354	0	0	0	0
chr18	291127	292958	0	0	0	0
chr18	292959	297734	27.25	13.93	27.33	17.72
chr18	297861	304125	0	0	0	0
chr18	304192	308546	0	0	0	0
chr18	308851	311681	47.75	32.79	26.82	42.58
chr18	312069	313928	6.58	12.37	0	0
chr18	314077	316076	0	0	0	0
chr18	316625	318205	0	0	0	0
chr18	319803	320694	0	0	0	0
chr18	321227	323272	20.08	9.39	3.46	9.39
chr18	323437	325480	4.86	25.99	0	0
chr18	326347	329443	13.66	7.46	3.37	4.1
chr18	329450	332845	0.17	8.78	16.58	10.25
chr18	333542	335319	6.8	45.19	17.46	45.19
chr18	335338	336388	0	0	10.18	28.1
chr18	336432	337053	28.46	20.77	28.34	20.77
chr18	337163	339454	18.86	17.68	9.03	28.46
chr18	339968	343778	46.22	28.87	33.31	37.03
chr18	343779	345915	225.28	51.83	217.11	63.67
chr18	345916	348335	0.47	13.27	3.66	4.26
chr18	349475	351827	0	0	0	0
chr18	352085	356217	0.77	5.35	0.24	5.32
chr18	356677	360104	4.18	18.91	19.42	27.9
chr18	360115	362375	3.26	23.63	0	0
chr18	362729	364228	69.08	51.17	0.17	16.81
chr18	364793	368256	0	0	6.06	20.47
chr18	368317	370892	0	0	0	0
chr18	371250	377700	7.31	13.67	0.33	4.79
chr18	377945	381919	0	0	1.88	7
chr18	381920	383948	5.87	4.73	0.42	4.64
chr18	384490	385967	7.69	8.19	7.87	20.85
chr18	385968	388262	20.81	29.16	15.24	24.67
chr18	388503	397824	53.07	24.53	37.1	25
chr18	397837	399640	5.51	36.72	0.41	3.72
chr18	399692	402142	16.07	32.9	2.31	30.33
chr18	404157	407006	53.6	50.37	42.46	53.35
chr18	407022	408376	0	0	0	0

chr18	408453	410042	10.49	38.83	0	0
chr18	411560	416880	12.58	6.73	18.16	18.42
chr18	417760	420684	123.46	42.17	56.06	37.48
chr18	421042	423349	0	0	0.02	0.82
chr18	423537	426529	0	0	0	0
chr18	426809	427631	0	0	0	0
chr18	428150	429020	0	0	7.85	48.74
chr18	429626	431202	17.38	12.31	29.89	22.97
chr18	431663	434962	7.88	23.86	46	49.53
chr18	434963	436078	96.1	60.18	25.8	61.61
chr18	436559	438355	1.46	2.78	44.96	13.59
chr18	438764	440048	0	0	0	0
chr18	441340	442494	17.86	44.37	46.56	68.98
chr18	443122	446370	0	0	0.01	0.58
chr18	446821	447575	0	0	0	0
chr18	447811	451234	5.76	2.75	8.84	4.15
chr18	454179	455718	0.82	9.23	21.13	17.48
chr18	455802	457610	0	0	17.85	12.06
chr18	458424	461505	0	0	0.75	14.64
chr18	462271	463365	0	0	0	0
chr18	464178	467139	0.79	5.71	0.46	5.71
chr18	467698	469217	0	0	0	0
chr18	469354	471063	0	0	0	0
chr18	471390	475823	1.24	2.48	2.78	18.25
chr18	476145	476765	0	0	3.43	47.1
chr18	476995	478202	513.88	24.36	0	0
chr18	478687	480029	4.93	20.86	4.28	20.86
chr18	481933	484881	3	17.03	28.97	21.34
chr18	484889	486215	0	0	0.62	8.97
chr18	486291	490567	0	0	0	0
chr18	490600	495522	0	0	0	0
chr18	495586	496758	8.65	35.07	0	0
chr18	497252	497710	0	0	0	0
chr18	499789	501213	0	0	0	0
chr18	501393	504101	8.19	21.49	18.42	30.8
chr18	504675	506996	6.69	5.17	0.52	3.96
chr18	507065	510236	1395.85	69.38	132.77	87.92
chr18	511247	513485	4.94	7.73	31.74	58.71
chr18	514658	514915	80.05	100	110.99	100
chr18	514981	516813	543.9	78.55	121.2	96.29
chr18	517973	521714	7.56	13.29	29.26	43.38
chr18	521733	524574	9.52	17.63	38.49	55.05
chr18	525271	528123	1553.8	80.65	150.17	94.81
chr18	528621	529159	0	0	0	0
chr18	529751	531539	0	0	0	0
chr18	531545	532842	0	0	0	0
chr18	532880	535941	2.09	3.07	5.02	24.7
chr18	536450	538573	0.12	6.08	11.13	12.53
chr18	538904	540526	6.92	13.63	0	0
chr18	540674	544891	0	0	0.66	9.06
chr18	545212	549871	3.89	12.79	1.68	3.76
chr18	549893	552158	33.88	26.14	9.06	21.85
chr18	552215	554772	10.2	30.97	28.94	40.79
chr18	555153	555818	0	0	0	0
chr18	556233	561144	0.01	0.39	2.28	10.87
chr18	561917	563045	0	0	0	0
chr18	563163	563860	22.6	36.3	15.66	73.89
chr18	564430	568131	0	0	0.13	3.16
chr18	569146	573333	17.97	14.16	15.45	14.16
chr18	574147	577728	28.03	25.58	4.5	27.84
chr18	578116	578682	0	0	0	0
chr18	579072	579620	0	0	0	0
chr18	581768	587044	8.93	18.4	10.82	18.78
chr18	587707	589405	11.01	20.97	4.05	18.14
chr18	589437	592604	57.52	41.93	17.06	48.28

chr18	593214	595153	0	0	17.65	25.17
chr18	595177	597147	0	0	0	0
chr18	597559	598279	0	0	0	0
chr18	599046	601657	24.42	51.28	40.51	59.02
chr18	601660	603795	0	0	0	0
chr18	603796	609962	0.01	0.34	0.2	0.68
chr18	610676	612672	0	0	6.08	15.18
chr18	614084	615565	0	0	0	0
chr18	618642	621851	11.59	9.57	7.07	9.6
chr18	621902	624535	0	0	0	0
chr18	626009	628595	0	0	0	0
chr18	629115	633501	0	0	0	0
chr18	633789	640578	5.56	19.89	18.31	25.2
chr18	641377	656394	2.79	3.28	0.82	3.27
chr18	656875	659674	3.43	12.68	22.59	72.49
chr18	660063	663170	0	0	0	0
chr18	663374	665583	3.64	8.33	0.65	6.02
chr18	665616	671849	22.37	27.13	8.53	22.4
chr18	672055	673324	0	0	0	0
chr18	673586	675257	0	0	0.03	1.26
chr18	675456	676252	0	0	0	0
chr18	676604	677577	0	0	0	0
chr18	677593	680953	0	0	0	0
chr18	683206	685497	0	0	0	0
chr18	688955	698231	0	0	0.03	0.55
chr18	698241	700129	0	0	0	0
chr18	703830	705000	0	0	0	0
chr18	705839	707315	10.21	16.46	7.23	16.46
chr18	707547	710453	0	0	0	0
chr18	710903	714646	0	0	0	0
chr18	714647	717365	0	0	0	0
chr18	717910	719632	0	0	0	0.29
chr18	719867	720890	39.42	32.84	36.4	42.82
chr18	721388	730531	8.18	8.83	10.94	9.64
chr18	730600	738973	0	0	0	0
chr18	739039	740948	0	0	0	0
chr18	741002	745973	0	0	0	0
chr18	746000	750793	6.16	16.46	10.95	24.74
chr18	751540	753416	0	0	0	0
chr18	754298	754906	0	0	0	0
chr18	755733	759637	0.04	0.54	0	0
chr18	759778	762482	8.34	12.2	12.83	18.34
chr18	763379	765718	31.06	38.52	47.13	55.58
chr18	766760	767747	0	0	0	0
chr18	768028	771265	13.73	4.7	22.18	20.05
chr18	771407	774282	0	0	2.07	5.84
chr18	775199	778284	5.03	4.28	16.58	21.13
chr18	778761	783282	0	0	0	0
chr18	783396	785849	0	0	0	0
chr18	786321	792127	0	0	1.53	5.3
chr18	792136	793281	0	0	0	0
chr18	794422	799059	0.63	5.39	10.92	9.51
chr18	799351	800206	0	0	8.54	23.04
chr18	801100	804465	84.85	62.7	80.4	46.81
chr18	804783	807336	0	0	0	0
chr18	808296	809888	19.38	30.28	33.44	40.89
chr18	810402	812942	0	0	0	0
chr18	814662	818929	0	0	0	0
chr18	819667	821880	0	0	1.6	6.69
chr18	823101	824791	0	0	4.48	27.57
chr18	827126	830541	0	0	0	0
chr18	831583	833729	0	0	0	0
chr18	833906	839831	0	0	0	0
chr18	841041	841418	0	0	0	0
chr18	843677	845664	980.88	47.86	3401.39	47.81

chr18	845818	857211	7.22	2.77	1.17	2.26
chr18	858028	858983	0	0	0	0
chr18	859531	863534	7.02	4.1	3.09	7.09
chr18	863675	865216	15.09	43.02	31.45	29.01
chr18	865219	868926	0	0	0.01	0.92
chr18	868937	871373	0	0	0	0
chr18	872005	876568	0	0	0	0
chr18	876569	888102	1.88	7.86	1.35	9.69
chr18	888835	893563	5.79	12.67	4.68	18.1
chr19	870	1460	5.72	26.1	0	0
chr19	3068	10912	17.06	14.43	12.9	19.76
chr19	11288	12452	0	0	0	0
chr19	12497	15415	47.42	29.95	93.46	41.5
chr19	15807	17339	60.57	49.28	67.05	45.56
chr19	17432	18975	339.49	81.79	284.73	90.73
chr19	19425	21153	141.06	51.5	157.32	63.31
chr19	21345	23816	54.59	37.96	67.57	39.86
chr19	23818	40543	1870.84	44.3	1795.14	48.9
chr19	40544	44334	0	0	0	0
chr19	44831	46172	139.73	52.42	172.17	80.24
chr19	46871	54127	7.51	15.49	12.86	22.6
chr19	54128	56979	13.56	20.73	2.25	8.17
chr19	57929	68537	3.12	2.85	1.88	2.25
chr19	71642	76494	2.47	8.94	0	0
chr19	76495	80638	13.69	11.75	37.74	27.32
chr19	81967	91488	0.01	0.43	0	0.22
chr19	91901	95782	0	0	0	0
chr19	97538	100348	0	0	3.94	16.83
chr19	101587	104631	0	0	0	0
chr19	104900	112491	5.01	3.62	10.89	17.45
chr19	113152	115030	0	0	0	0
chr19	115580	120442	12.02	10.9	6.57	10.9
chr19	120456	125317	0	0.45	0.76	6.64
chr19	125467	126186	0	0	0	0
chr19	127264	135829	0	0.43	0	0
chr19	136111	140607	1.74	2.67	2.11	4.72
chr19	140667	145021	0.72	2.2	0.03	2.92
chr19	145521	147553	20.27	35.53	21.87	22.49
chr19	148116	149855	0	0	0	0
chr19	149856	159227	8.73	13.73	2.26	10.64
chr19	159346	162619	0	0	0.84	1.86
chr19	162647	165544	0	0	0	0
chr19	165912	167750	0	0	0	0
chr19	168581	170535	2.19	5.12	2.4	18.63
chr19	170617	174560	510.26	43.34	477.34	43.09
chr19	174930	177546	0	0	0	0
chr19	178029	182066	0	0	0	0.17
chr19	182447	183887	0	0	0	0
chr19	185223	190081	0	0	0	0
chr19	191150	194744	0	0	0	0
chr19	196051	202387	1.69	3.35	3.02	13.29
chr19	203127	206831	0	0	0	0
chr19	206960	209454	1.24	7.82	1.33	16.24
chr19	209619	211421	0	0	0	0
chr19	212870	215561	0	0	0	0
chr19	216107	217637	0	0	0	0
chr19	217643	228795	0	0.21	0.06	0.8
chr19	228997	231272	0	0	0	0
chr19	231738	232913	0.03	1.62	0	0
chr19	233458	235638	0.01	1.06	0	0
chr19	235665	236033	0	0	0	0
chr19	236223	237018	0	0	0	0
chr19	237828	238214	0	0	0	0
chr19	238511	240289	19.43	18.5	0	0
chr19	240554	245524	18.53	17.59	9.6	16.2

chr19	246047	247721	0	0	0	0
chr19	247955	254367	0	0	0.2	2.74
chr19	254434	256887	10.92	20.1	14.77	12.03
chr19	256905	257780	0	0	0	0
chr19	258647	262476	10.82	18.59	2.24	6.03
chr19	262485	266232	12.89	14.92	11.69	8.78
chr19	266948	268189	0	0	0	0
chr19	268964	271052	17.24	45.93	12.68	39.51
chr19	272287	274161	0	0	0	0
chr19	275265	278915	0	0	5.66	19.32
chr19	279407	281792	0.03	0.8	0.05	0.84
chr19	282020	283657	0	0	0	0
chr19	283662	288971	0.01	0.36	0.01	0.36
chr19	289597	290822	0.06	1.55	0	0
chr19	290947	292727	85.58	58.31	128.46	44.49
chr19	293009	294461	45.31	14.39	13.15	14.26
chr19	294870	297361	0	0	18.89	28.62
chr19	298005	300220	5.93	18.96	2.78	18.96
chr19	301869	304149	0	0	0	0
chr19	305346	307519	0	0	0.02	1.61
chr19	307536	310026	10.58	20.32	0	0
chr19	311105	312902	106.38	53.7	151.7	78.24
chr19	313352	316524	25.3	18.6	11.76	19.23
chr19	317650	319758	8.8	9.01	3.57	8.11
chr19	320479	322786	0	0	0	0
chr19	323200	323769	156.52	61.51	85.09	55.36
chr19	325373	327157	4.82	8.63	3.22	17.77
chr19	327721	330208	0	0	0	0
chr19	330209	337321	0	0	0	0
chr19	337919	344506	0	0	0	0
chr19	344977	345558	14.75	33.73	6.55	39.41
chr19	345609	346906	0	0	0	0
chr19	347523	351448	0	0	0.57	3.87
chr19	351463	352926	0	0	0.84	6.15
chr19	353175	353832	0	0	0	0
chr19	354334	356768	3396.8	17.5	4.75	11.26
chr19	356799	360995	0	0	7.86	6.43
chr19	360996	365082	0	0	0	0
chr19	365324	368332	0	0	0	0
chr19	369762	371147	47.89	38.19	165.84	39.42
chr19	372840	376545	15.78	7.1	2.56	13.14
chr19	376841	380284	7.53	29.92	7.11	29.92
chr19	381062	381769	2.43	86.7	52.98	92.08
chr19	382368	383942	0	0	10.72	42.44
chr19	384838	386229	0	0	0	0
chr19	386463	387344	0	0	0	0
chr19	387578	390902	3.6	16.03	2.01	10.32
chr19	391025	392911	0	0	0	0
chr19	392984	393268	0	0	0	0
chr19	393499	395891	14.02	30.35	2	19.9
chr19	396106	404991	2.81	3.21	2.63	5.66
chr19	404992	408868	0.09	3.48	0	0
chr19	408869	410426	0	0	0	0
chr19	410596	414833	5.94	13.45	27.05	31.41
chr19	414897	419782	3.71	4.75	1.15	6.94
chr19	419783	423748	2.74	12.18	12.39	20.76
chr19	424174	425897	0	0	0	0
chr19	425948	427225	0	0	0	0
chr19	427385	430597	0	0	13.9	6.57
chr19	431677	434491	14.95	4.98	7.4	12.86
chr19	435186	437960	0	0	0	0
chr19	438090	439220	0.5	8.41	30.09	10
chr19	439339	442707	0	0	0	0
chr19	443064	444810	6.76	6.47	8.47	6.47
chr19	444981	445904	0.95	39.33	0	0

chr19	445979	448369	0	0	0	0
chr19	448697	450286	0	0	0	0
chr19	450524	454906	5.36	3.61	0.1	9.7
chr19	454916	460627	7.93	15.69	3.49	10.98
chr19	462443	463349	0	0	0	0
chr19	465488	466111	0	0	0	0
chr19	466589	467353	0	0	0	0
chr19	468348	470384	39.11	24.31	17.28	20.28
chr19	470415	471059	0	0	0	0
chr19	471465	472781	0	0	0	0
chr19	472988	474420	24.85	12.57	15.22	12.57
chr19	474842	476955	1.96	10.13	1.25	9.09
chr19	477338	479880	8.11	20.14	15.19	20.1
chr19	481380	486288	0.68	1.71	0	0
chr19	486404	487884	0	0	0	0
chr19	487901	491119	0	0	0.02	2.08
chr19	491120	496457	0.01	0.36	0	0
chr19	496693	499544	0	0	0	0
chr19	499545	503760	28.17	26.9	11.38	26.22
chr19	504093	506350	23.52	36.24	0	0
chr19	507062	508639	17.31	25.11	2.33	14.14
chr19	509471	511354	16.57	22.3	16.73	29.47
chr19	512224	521662	10.65	15.63	5.64	12.68
chr19	521685	523334	0	0	7.36	28.08
chr19	523702	525976	21.67	48.68	17.24	43.54
chr19	526860	528388	606.49	69.11	386.06	69.18
chr19	529254	530530	0	0	0	0
chr19	530531	534854	27.77	15.5	28.1	13.28
chr19	535019	535897	0	0	0	0
chr19	536288	538079	3.69	7.31	0.84	6.81
chr19	538609	540210	64.76	66.27	113.09	66.15
chr19	540497	542101	5.47	29.86	1.19	10.35
chr19	542405	543139	0	0	0	0
chr19	543577	545733	0	0	3.7	18.69
chr19	545992	549992	8.18	11.2	3.69	5.07
chr19	550495	553711	19.16	33.92	7.34	29.51
chr19	553735	556459	9	14.17	12.51	14.1
chr19	556655	561450	34.52	27.84	19.82	31.87
chr19	561773	563160	101.46	38.36	161.79	38.57
chr19	563338	565232	55.02	32.79	15.48	35.9
chr19	565372	571307	63.29	34.91	64.16	52.69
chr19	571392	572406	0	0	0	0
chr19	573575	574353	0	0	0	0
chr19	575363	577333	13.69	41.42	36.82	47.46
chr19	578035	579141	42.99	38.7	7.16	23.33
chr19	579396	581540	226.85	80.74	101.21	58.4
chr19	581819	587116	19.47	12.57	9.8	15.05
chr19	587117	593394	353.71	58.93	566.37	60.68
chr19	593395	595480	42.95	39.18	12.62	38.32
chr19	596001	597597	0	0	0	0
chr19	597826	598170	0	0	0	0
chr19	598275	598511	0	0	0	0
chr19	598613	601415	0	0	0	0
chr19	601491	602438	0	0	0	0
chr19	602626	604413	0	0	0.28	7.05
chr19	604414	606477	20.23	28.79	47.64	38.63
chr19	606583	608168	0	0	0	0
chr19	608728	609968	12.81	33.63	14.51	48.23
chr19	611003	614335	5.61	14.47	0	0
chr19	614336	616758	4.88	6.07	0	0
chr19	616772	621529	2.69	7.63	0	0
chr19	621785	626185	0	0	0	0
chr19	626326	628730	0	0	0	0
chr19	628740	630885	0	0	0	0
chr19	630996	632375	0	0	0	0

chr19	632461	636731	0	0	0	0
chr19	637041	638711	0	0	0	0
chr19	638751	640033	0	0	0	0
chr19	641008	642128	0	0	0	0
chr19	643158	648060	0	0	0	0
chr19	650742	653319	0	0	0	0
chr19	653410	656175	0	0	0	0
chr19	656196	658030	0	0	0	0
chr19	658619	664909	0	0	0	0
chr19	665126	668191	0.06	5.87	0	0
chr19	668201	675376	0	0	0	0
chr19	675632	675982	0	0	0	0
chr19	676455	676979	0	0	0	0
chr19	678112	681137	0	0	0	0
chr19	684248	687658	0	0	0	0
chr19	688280	697307	12.75	19.46	16.77	20.82
chr19	698342	700239	0	0	0	0
chr19	700838	702345	17.78	33.38	24.3	45.06
chr19	702346	703418	57.77	33.4	0	0
chr19	703836	708731	0	0	0.01	0.47
chr19	709969	715415	0.46	1.84	4.09	10.28
chr19	715950	717047	0	0	0	0
chr19	717071	718876	1.91	10.08	14.04	10.19
chr19	719698	723308	0	0	0	0
chr19	723341	725959	27.13	17.15	37.39	21.73
chr19	726323	733304	47.53	13.01	11.41	13.01
chr19	734508	737553	0	0	10.31	9.75
chr19	737557	739642	0.02	2.21	0	0
chr19	739810	749064	10.22	7.68	10.94	5.73
chr19	752003	752311	0	0	0	0
chr19	757409	760441	0	0	0	0
chr19	760792	764386	0.01	0.58	0	0
chr19	764922	767272	16.34	33.74	22.35	37.79
chr19	768682	769323	0	0	0	0
chr19	770486	774189	2.73	2.73	3.18	2.73
chr19	774201	777802	0	0	0.66	4.75
chr19	778177	781870	5.69	9.23	4.82	16.54
chr19	781881	791439	9.81	10.88	10.36	10.61
chr19	791768	795244	0.01	1.5	0.02	1.58
chr19	796379	799732	0	0	0	0
chr19	800258	802512	0	0	0	0
chr19	802555	804288	0	0	0	0
chr19	804677	810177	0	0	0	0
chr19	810178	820658	1.61	5.45	1.37	0.98
chr19	820706	827230	3.85	10.52	5.46	10.61
chr19	827444	829511	0	0	8.18	25.01
chr19	833323	834304	0	0	0	0
chr19	837164	839008	0	0	0	0
chr20	1168	12944	29.95	18.26	23.17	18.52
chr20	12945	18882	16.11	23.03	18.25	24.95
chr20	19324	27692	1.98	6.45	4.07	6.23
chr20	28490	31645	50.32	32.49	53.38	44.72
chr20	31646	33333	14.86	14.05	18.47	5.28
chr20	33465	34704	0	0	0	0
chr20	36228	38737	0	0	0	0
chr20	39938	46536	12.69	15.55	28.35	16.04
chr20	47326	49365	0.04	0.93	0	0
chr20	50437	51646	15.96	18.2	1.61	11.83
chr20	52171	57646	1.82	5.42	2.02	9.24
chr20	58283	61841	0	0	0	0
chr20	62011	67272	0.28	4.35	1.8	5.63
chr20	67273	70868	0	0	0	0
chr20	70869	72939	5.59	15.02	0	0
chr20	72940	74797	0	0	0	0
chr20	75259	76929	0	0	0	0

chr20	77296	80274	0.01	0.64	3.42	10.51
chr20	81101	83289	0	0	0	0
chr20	83290	89098	2.76	5.22	2.82	8.61
chr20	89197	94870	7.2	3.88	1.4	4.72
chr20	95029	95293	0	0	14.16	32.95
chr20	96420	96908	0	0	0	0
chr20	97250	102410	0	0	0	0
chr20	102486	105099	0	0	0	0
chr20	105596	109113	5.96	11.69	3.05	18.99
chr20	109114	113875	41	28.08	45.58	37.41
chr20	114112	116607	0	0	0	0
chr20	116608	120901	41.65	15.42	27.54	21.27
chr20	122229	124226	0	0	0.83	5.16
chr20	124768	127055	78.68	28.07	56.16	44.34
chr20	127341	129175	12.37	29.61	28.12	47.22
chr20	129176	131300	0	0	1.15	6.26
chr20	131424	133089	0	0	0	0
chr20	133617	136880	0.1	2.24	0	0
chr20	139141	143491	80.26	55.49	86.77	60.8
chr20	144311	148276	0	0	0.56	2.75
chr20	149764	152418	0.04	1.09	0.02	1.54
chr20	152851	156062	0	0	1.71	4.76
chr20	156081	167216	0	0	2.28	5.37
chr20	168334	171482	2.67	10.74	7.05	20.43
chr20	171483	177386	49.22	11.01	51.74	13.87
chr20	177387	181004	0	0	0.46	10.01
chr20	181174	184592	0.01	1.29	11.51	14.86
chr20	184951	186078	0.03	1.69	0.03	1.69
chr20	186177	186881	0	0	0	0
chr20	187246	193302	3.18	4.46	9.65	20.89
chr20	193317	195353	7.72	22.54	1.77	28.19
chr20	195358	196450	0	0	0	0
chr20	196486	200720	21.11	33.8	42.69	34.29
chr20	201254	206720	172.09	35.35	163.71	37.67
chr20	207527	209627	2.8	4.33	4.99	4.33
chr20	209660	210706	4.45	6.79	8.33	6.79
chr20	211381	214100	60.32	55.57	50.01	36.34
chr20	214580	217029	0	0	0	0
chr20	217397	222399	0	0	0	0
chr20	222413	225274	13.86	16.36	20.94	37.5
chr20	225275	229678	0	0	0.17	0.43
chr20	229702	231393	0	0	0	0
chr20	232088	237478	0	0	0	0
chr20	237670	240834	4.23	7.59	8.08	8.38
chr20	241717	243370	0	0	0	0
chr20	244244	246104	126.28	32.69	36.7	20.16
chr20	246596	248786	0	0	0	0
chr20	248919	256698	0	0	2.19	3.96
chr20	256725	259843	0	0	0.01	0.99
chr20	260722	266837	0	0	1.29	2.26
chr20	269416	274434	19.29	19.53	14.3	25.97
chr20	274658	274996	0	0	0	0
chr20	275017	277178	81.86	22.49	44.02	34.75
chr20	278030	280362	0	0	0	0
chr20	280780	282651	0	0	5.77	16.35
chr20	282652	285072	11.6	11.98	11.34	25.58
chr20	285111	289891	18.99	5.84	26.87	6.95
chr20	290025	295651	0.07	2.47	0.17	1.37
chr20	295778	297218	1.82	8.19	1.33	10.62
chr20	297281	300963	0	0	0	0
chr20	300964	305334	0.01	0.46	0	0
chr20	305839	306270	0	0	0	0
chr20	307013	310406	0	0	0.18	8.84
chr20	310577	315106	8.59	12.14	11.32	12.12
chr20	315217	316449	0	0	0	0

chr20	317267	319869	0	0	0	0
chr20	319920	323249	0	0	0	0
chr20	323384	325969	0	0	0	0
chr20	326264	328050	0	0	0	0
chr20	328288	333739	3.22	4.15	0	0
chr20	334275	339726	0.35	1.71	0	0
chr20	340211	341248	43.55	59.5	209.1	61.91
chr20	342376	346132	0	0	0	0
chr20	346222	347575	0	0	0	0
chr20	347576	350138	0	0	0	0
chr20	350270	351747	0	0	0	0
chr20	351875	354115	0	0	0	0
chr20	354163	355384	0	0	0	0
chr20	355403	357522	0	0	0	0
chr20	357523	359594	51.47	13.76	16.59	25.4
chr20	359595	360909	0	0	5.91	42.24
chr20	360910	361879	13.93	15.07	12.83	21.47
chr20	362489	366644	0	0	0	0
chr20	366806	372320	0	0	0.85	9.16
chr20	372321	374132	0	0	0	0
chr20	374316	379545	2.82	4.61	0.97	8.07
chr20	379574	381226	0	0	0	0
chr20	381227	384172	0.04	0.65	0.01	0.65
chr20	384276	385004	104.51	36.54	24.01	36.54
chr20	385681	386742	0	0	14.9	43.83
chr20	386782	388224	0.76	24.69	7.24	25.1
chr20	388322	389674	9.31	20.12	61.68	52.07
chr20	389675	391138	0	0	21.51	29.87
chr20	391159	392873	0	0	0	0
chr20	393904	397155	0	0	0	0
chr20	398181	399403	0	0	0	0
chr20	399712	402126	42.41	20.05	1.24	7.21
chr20	402161	407857	13.58	24.84	15.24	28.88
chr20	407858	415053	7.47	12.94	12.87	21.15
chr20	415579	423617	0	0	0	0.25
chr20	424012	425076	0	0	0	0
chr20	425081	429159	0	0	0	0
chr20	430488	434494	0	0	0	0
chr20	434515	437697	5.85	7.57	3.29	15.62
chr20	439459	445758	0	0	0	0
chr20	445784	454837	2.01	2.93	3.66	4.92
chr20	455001	457785	16.81	45.37	15.24	40.3
chr20	457791	465697	15.17	16.25	7.95	11.65
chr20	465944	467419	0	0	0	0
chr20	467485	477743	3.67	8.62	3.22	11.83
chr20	477744	479666	0	0	0	0
chr20	479667	483479	2.81	11.28	0	0
chr20	484286	485375	0	0	0	0
chr20	486545	487111	157.84	48.23	114.15	48.23
chr20	490193	496642	23	20.58	22.18	16.33
chr20	496643	499774	28.32	20.57	17.26	17.31
chr20	499937	500400	0	0	0	0
chr20	500863	504686	3.54	3.17	5.5	17.21
chr20	504717	508139	2.02	20.11	5.94	13
chr20	508258	512281	11.29	5.29	1.75	4.18
chr20	513581	514957	267.12	64.68	432.95	66.21
chr20	516148	517870	116.67	47.1	73.32	41.64
chr20	517969	520732	0	0	0	0
chr20	521088	522680	40.95	47.11	26.74	37.44
chr20	522681	527198	108.6	25.86	250.18	41.13
chr20	527199	528933	0	0	0	0
chr20	528943	530311	0	0	0	0
chr20	531600	534157	0	0	0	0
chr20	534307	537549	0	0	0	0
chr20	537696	538475	0	0	0	0

chr20	540052	543302	74.67	52.25	36.77	56.18
chr20	543490	544163	0	0	0	0
chr20	544282	548014	7.9	18.22	19.75	31.94
chr20	548594	550841	264.36	33.6	246.78	47.84
chr20	552164	553960	619.64	83.85	1061.11	87.47
chr20	554742	559932	29.38	17.07	11.67	16.72
chr20	559947	561832	0.02	1.01	0	0
chr20	561833	563793	51.74	20	28.45	33.83
chr20	563996	566741	465.09	70.09	499.81	71.11
chr20	568194	570443	615.13	74.48	653.14	72.61
chr20	570449	572632	41.86	26.2	33.83	26.16
chr20	572753	577375	23.95	18.82	52.53	37.04
chr20	577684	579088	0	0	3.72	20.66
chr20	579217	580217	42.68	73.2	64.33	74
chr20	580227	583003	0.4	20.43	18.22	48.05
chr20	583305	584186	0	0	0	0
chr20	584364	586067	97.12	16.97	82.64	23.9
chr20	586382	588969	19.75	27.99	22.06	31.89
chr20	589457	591154	318.36	79.55	162.56	71.48
chr20	591961	593760	5.96	22.01	2.01	24.62
chr20	594264	595630	0	0	10.3	39.6
chr20	595631	598883	0	0	0	0
chr20	599216	604267	14.33	18.61	40.46	11.7
chr20	604278	607237	2.61	5.64	12.63	15.71
chr20	607238	611724	8.45	6.09	0	0
chr20	615211	617123	72.36	22.44	46.74	30.7
chr20	617509	617963	0	0	0	0
chr20	618161	623882	0	0	0	0
chr20	623885	627211	0	0	0	0
chr20	627771	628367	25.65	37.75	0	0
chr20	628771	636553	280.99	41.02	314.12	44.23
chr20	637000	638714	3191.92	47.2	2751.27	62.54
chr20	639103	641562	2208.04	50.63	1906.67	61.73
chr20	641974	644405	2084.11	40.35	1907.7	43.32
chr20	644819	648676	48.64	30.54	28.71	27.02
chr20	649537	654946	44.68	30.26	25.63	28.97
chr20	654948	656724	0	0	0	0
chr20	657094	658955	0	0	0	0
chr20	660438	665604	0	0	0	0
chr20	665620	668058	0	0	0	0
chr20	668160	670502	0	0	0	0
chr20	670702	679280	13.91	11.8	12.8	15.07
chr20	679571	680221	0	0	0	0
chr20	681297	682565	34.33	30.6	2.06	38.88
chr20	683309	685090	65.23	50.31	77.16	50.25
chr20	685592	687765	0	0	5	13.35
chr20	688125	688727	11.7	21.93	18.27	21.93
chr20	688846	695636	0.01	0.28	1	4.14
chr20	695988	700355	0	0	1.21	4.47
chr20	700372	703390	1.24	5.83	0.58	16.14
chr20	703581	704445	0.03	2.55	0.07	2.31
chr20	706181	706978	0	0	0	0
chr20	707259	710658	0	0	0	0
chr20	710659	713602	0	0	0.07	7.48
chr20	714399	719151	0.3	2.25	0	0
chr20	719685	721020	0	0	0	0
chr20	721078	725057	0	0	0	0
chr20	726407	729058	0	0	0	0
chr20	729853	739468	12.84	4.95	4.3	4.36
chr20	739498	744836	0	0	0.27	3.15
chr20	745588	750854	0	0	0	0
chr20	751580	754884	0	0	0	0
chr20	754974	758128	0	0	0	0
chr20	758484	768373	0	0.19	0	0
chr20	768949	770497	0	0	0	0

chr20	770526	784316	2.75	7.19	2.72	7.63
chr20	784336	792456	24.07	10.33	14.1	14.46
chr20	792530	796346	0	0	0	0
chr20	796848	800557	0	0	2.82	16.2
chr20	800589	803929	0.02	2.01	0	0
chr20	804625	808269	0.15	0.63	0.23	0.63
chr20	808270	812892	0.08	3.18	0	0
chr20	813727	817325	0	0	0	0
chr20	817863	825001	1.73	4.83	1.44	2.63
chr21	225	2276	0	0	1.01	11.41
chr21	3046	8228	13.24	16.42	25.85	26.73
chr21	8301	9648	0	0	0	0
chr21	9790	14383	37.58	21.95	35.71	24.23
chr21	14399	16405	0	0	6.3	6.58
chr21	16731	18452	8.33	16.39	1.83	29.46
chr21	19043	22235	5.08	9.68	3.39	9.81
chr21	22236	28992	1.7	2.47	1.53	2.47
chr21	29777	33681	3.79	7.91	0.06	2.77
chr21	34461	35230	0	0	0	0
chr21	35850	38312	0	0	0	0
chr21	38464	44402	0.57	5.93	7.53	15.78
chr21	45295	49904	11.18	19.72	39.5	22.8
chr21	51334	53396	0	0	0	0
chr21	54210	56549	0	0	0.01	0.94
chr21	57240	58007	0	0	0	0
chr21	58571	59361	0	0	0	0
chr21	59506	63203	0	0	3.92	16.85
chr21	63311	66096	0	0	0	0
chr21	66477	76505	62.79	19.58	97.23	24.69
chr21	76914	78992	12.96	25.41	7.69	25.22
chr21	79010	81215	5.67	6.35	0	0
chr21	81514	83097	0	0	0	0
chr21	83614	88370	6.26	20.44	22.43	24.68
chr21	92055	95278	13.46	18.49	2.2	19.24
chr21	95406	97186	0	0	0.19	4.83
chr21	97731	100349	0	0	0	0
chr21	100657	103478	3.04	5.81	9.13	5.74
chr21	103501	104626	0	0	0	0
chr21	104886	105324	0	0	0	0
chr21	105407	107164	0	0	0	0
chr21	107466	109443	0	0	0	0
chr21	110139	110476	0	0	0	0
chr21	112461	112688	0	0	0	0
chr21	113508	115111	67.96	45.85	89.68	67
chr21	116529	122955	0	0	0	0
chr21	124568	149841	1.68	3.26	4.94	5.71
chr21	151329	153138	0	0	0	0
chr21	153449	155041	0	0	0	0
chr21	155810	157364	0	0	0.66	12.1
chr21	158274	161489	0	0	0	0
chr21	161941	163658	0	0	0	0
chr21	164097	166205	0	0	0	0
chr21	166647	167250	0	0	0	0
chr21	167295	168280	0	0	0	0
chr21	169273	169625	0	0	0	0
chr21	169696	176331	0	0	0	0
chr21	177995	179987	0	0	0	0
chr21	180056	182986	7.79	7.03	0	0
chr21	183594	187309	0	0	2.03	17.55
chr21	187310	190581	2.34	9.72	5.85	21.68
chr21	190933	194080	3.85	6.16	1.82	14.2
chr21	194777	198087	0.02	2.45	0	0
chr21	198657	203695	0.15	4.9	0	0
chr21	203881	211340	0	0	0.27	0.27
chr21	211935	215941	10.88	5.34	8.36	4.89

chr21	216098	218582	0	0	0	0
chr21	218921	222327	0	0	0.01	0.88
chr21	222476	226252	0	0	2.62	10.88
chr21	227372	229712	104.23	32.22	53.54	28.12
chr21	229975	233033	0	0	0	0
chr21	233190	234050	165.95	62.56	81.37	85.35
chr21	234051	238171	0	0	3.38	3.93
chr21	238675	244235	30.48	21.67	32.48	22.46
chr21	244267	245757	0	0	0	0
chr21	246401	252315	0	0	0	0
chr21	252599	254323	5.82	5.74	11.21	6.9
chr21	254324	256807	14.34	14.46	6.15	14.46
chr21	256978	260164	0	0	0	0
chr21	260914	261726	0	0	0	0
chr21	263434	264284	0	0	0	0
chr21	266354	268096	0.05	1.26	0	0
chr21	269436	275175	0	0	0	0
chr21	275183	279217	5.19	5.16	6.09	11.06
chr21	279446	281670	4.56	11.65	0	0
chr21	281754	284507	0	0	0.02	0.73
chr21	284508	286245	0	0	0.32	18.6
chr21	286327	288876	0	0	0	0
chr21	289026	289445	0	0	0	0
chr21	290029	292455	0	0	0	0
chr21	294067	294339	0	0	0	0
chr21	296167	299504	0	0	0	0
chr21	299546	301053	0	0	0	0
chr21	301060	305614	21.02	16.47	53.89	26
chr21	306673	307789	86.79	55.29	171.94	52.87
chr21	307804	310438	49.23	39.1	27.45	38.88
chr21	310467	311288	0	0	1.64	50.3
chr21	311812	313329	26.65	23.53	63.24	45.22
chr21	313570	317320	16.61	16.37	6.33	13.71
chr21	317749	320153	0	0	0	0
chr21	320154	321748	0	0	0	0
chr21	322271	324001	0	0	0	0
chr21	324095	326962	66.76	41.19	33.04	50.05
chr21	326963	328972	16.7	20.81	25.76	26.68
chr21	329052	331297	5.99	11.85	0	0
chr21	331683	332895	0	0	0	0
chr21	333742	334761	0	0	5.65	31.11
chr21	334906	339411	122.37	45.66	282.34	40.69
chr21	339659	342206	38.18	47.78	53.18	38.63
chr21	342361	342853	0	0	0	0
chr21	342915	344531	21.78	36.26	16.12	14.73
chr21	344812	347786	11.76	18.16	18.47	18.12
chr21	348176	350488	30.46	22.49	9.43	46.93
chr21	350489	351846	0	0	0	0
chr21	351847	353187	0	0	0	0
chr21	353226	360560	0	0	1.58	4.1
chr21	360581	362400	8.23	18.75	0	0
chr21	362427	364012	0	0	0	0
chr21	364013	370528	0	0	0	0
chr21	370880	373416	0	0	0.01	0.75
chr21	374503	376857	0	0	0	0
chr21	377138	377497	0	0	0	0
chr21	378904	381759	2.43	14.78	3.32	13.38
chr21	382520	386574	9.7	15.91	17.31	21.66
chr21	386581	388856	0	0	0.02	0.88
chr21	388857	390380	0	0	0	0
chr21	390742	392070	0	0	0	0
chr21	392557	394782	0	0	0	0
chr21	395054	395960	0	0	0	0
chr21	396316	398881	27.67	25.26	29.45	41.09
chr21	398882	405580	0	0	0	0

chr21	405581	407312	0	0	0	0
chr21	407333	409733	4.94	9.62	0	0
chr21	409906	414372	26.96	32.96	11.9	20.29
chr21	414373	416886	22.91	7.6	48.19	27.34
chr21	416898	418331	0.05	1.33	0	0
chr21	420260	423442	5.36	7.23	0	0
chr21	424584	426879	5.24	20.39	3.18	22.09
chr21	426930	428932	15.45	44.61	6.55	17.23
chr21	428998	432647	0	0	11.45	15.84
chr21	432662	437603	26.53	26.63	1.56	20.97
chr21	437910	439744	44.09	33.15	11.88	54.03
chr21	440506	442738	41.29	50.99	25.93	67.43
chr21	442946	444008	34.32	16.1	35.69	37.76
chr21	444366	447643	8.87	15.01	0	0
chr21	447645	449075	2.02	23.85	3.6	17.13
chr21	449306	453818	44.22	16.09	1.91	6.6
chr21	454246	455487	0	0	5.8	12.01
chr21	455791	456402	0	0	0	0
chr21	456875	457480	36.41	56.36	89.38	56.53
chr21	457524	461946	2	12.75	0.29	5.88
chr21	463333	463923	0	0	0	0
chr21	464145	466845	0	0	0	0
chr21	466859	470886	2.86	9.91	2.2	7.35
chr21	470887	472999	12.42	51.66	4.64	22.06
chr21	473003	481721	0	0	0	0
chr21	481824	484084	0	0	5.3	17.21
chr21	484090	490356	5.76	16.71	15.04	28.49
chr21	490627	491940	0	0	7.11	12.8
chr21	495222	499576	47.78	30.43	48.26	33.95
chr21	500240	502871	13.92	36.91	13.39	37.44
chr21	503341	511274	13.15	10.25	3.39	13.82
chr21	511786	515648	5.37	23.82	12.32	19.34
chr21	516434	517459	62.65	21.56	68.83	21.46
chr21	518527	520129	52.93	37.89	32.56	37.89
chr21	520132	523189	0	0	0	0
chr21	523201	526697	10.04	23.4	25.33	23.03
chr21	526698	527918	0	0	13.63	67.3
chr21	528088	529510	0	0	0	0
chr21	529981	533732	13.63	28.21	25.76	22.39
chr21	534434	535365	0.01	0.64	0.02	0.75
chr21	535376	537029	13.13	32.3	3.45	15.55
chr21	537030	539141	0	0	0	0
chr21	539201	540807	0	0	0	0
chr21	542143	546941	6.21	13.94	46.52	33.97
chr21	551512	555667	0	0	1.8	6.81
chr21	555688	557449	0	0	4.81	12.83
chr21	557740	559645	0	0	0	0
chr21	560329	562609	0.05	1.18	0.05	5.09
chr21	562627	564988	11.28	17.53	21.09	37.44
chr21	564997	566721	0	0	0.15	14.56
chr21	566784	568657	13.88	24.88	6.99	24.88
chr21	568779	571034	0	0	0	0
chr21	571070	572085	11.16	20.69	20.28	20.69
chr21	573140	573538	0	0	0	0
chr21	574177	576398	0	0	0	0
chr21	576467	577328	0	0	0	0
chr21	577755	578844	0	0	0	0
chr21	579324	579557	0	0	0	0
chr21	579855	581933	21.6	10.54	4.14	11.16
chr21	581939	584574	0	0	0	0
chr21	587052	594171	0.15	3.88	0.19	2.95
chr21	594229	600269	0	0	0	0
chr21	600312	604545	0.05	0.94	0	0
chr21	604562	606778	3.73	25.77	3.6	24.64
chr21	606779	610172	1.16	4.45	10.94	4.48

chr21	610208	614765	0	0	2.27	2.37
chr21	614778	618148	0.01	1.31	0	0
chr21	618753	619804	0	0	0	0
chr21	619852	623274	0	0	0	0
chr21	624986	625571	0.13	6.5	0	0
chr21	627002	628100	282.33	53.83	159.21	53.92
chr21	630539	632208	0	0	0	0
chr21	632327	633133	0	0	0	0
chr21	633134	634775	92.73	46.74	121.53	44.12
chr21	635434	638184	0	0	0	0
chr21	638624	643621	0	0	2.6	2.06
chr21	643645	644944	0	0	0	0
chr21	645048	648417	0	0	0	0
chr21	648424	649835	0	0	0	0
chr21	649886	667762	0.83	1.95	0.12	0.88
chr21	669339	674306	0	0	0.06	5.52
chr21	675512	676904	75.71	54.45	102.95	73.35
chr21	679247	680639	116.31	55.96	116.6	69.54
chr21	682982	684374	116.46	55.75	120.8	69.61
chr21	686717	688054	50.55	39.87	53.21	46.82
chr21	689133	690306	0	0	0	0
chr21	690590	692334	0	0	4.91	10.03
chr21	692335	694082	0	0	0	0
chr21	694139	697873	86.67	21.45	51.63	21.4
chr21	698565	699673	0	0	0	0
chr21	699682	702394	29.5	16.63	21.57	18.88
chr21	702433	703843	0	0	0	0
chr21	704257	708725	0	0	0	0
chr21	708790	712466	11.35	24.54	10.1	21.95
chr21	713098	717161	11.65	12.21	19.73	20.85
chr21	717732	723218	0.03	0.42	0.1	1.97
chr21	723285	727264	0.02	1.03	0	0
chr21	727458	730891	0.36	3	0.44	2.13
chr21	730892	735484	7.79	16.86	14.97	23.54
chr21	735661	739852	0	0	0	0
chr21	740220	745325	0.01	0.63	0	0
chr21	745388	747870	0	0	0	0
chr21	748490	750594	88.93	38.64	104.63	39.21
chr21	753484	756290	0	0	0	0
chr21	756344	756907	0	0	0	0
chr21	756969	763411	8.6	6.26	8.26	7.47
chr21	763447	767239	0	0	0.17	4.88
chr21	767421	772213	0.17	1.75	4.83	8.18
chr21	772870	775579	0	0	0	0
chr21	777502	778420	0.84	11.22	0.37	6.1
chr21	779096	784427	0.77	7.52	5.64	12.49
chr21	785023	788533	0	0	9.16	21.34
chr21	788546	790388	95.53	23.72	88.47	35.23
chr21	792360	793017	0	0	0	0
chr21	793593	800168	0	0	0	0
chr21	800169	803644	0	0	0	0
chr21	804433	809208	1.27	3.6	0.67	11.18
chr21	809222	811096	0	0	0	0
chr21	811412	814260	0	0	0	0
chr21	814261	818917	0	0	0.05	1.27
chr21	819157	821157	0.01	1.05	0.57	11.75
chr21	821193	824164	0	0	0	0
chr21	825682	833241	7.79	11.5	5.26	10.12
chr22	514	4962	21.21	21.9	29.69	28.42
chr22	4963	5881	98.19	35.51	83.01	35.51
chr22	6200	6835	0	0	0	0
chr22	7569	18386	0.01	0.56	0.01	0.38
chr22	19256	22216	4.22	6.35	0	0
chr22	22559	27556	5.94	7.96	1.75	7.62
chr22	27817	31836	4.32	5.35	7.12	11.55

chr22	33046	42924	0	0	0	0
chr22	42925	46594	0	0	0	0
chr22	47554	48429	0	0	0	0
chr22	49723	52958	0	0	0	0
chr22	53799	60552	0.01	0.89	3.93	4.63
chr22	60728	63602	0	0	0	0
chr22	64971	65844	0	0	0	0
chr22	66502	72681	1.87	2.07	0	0
chr22	72742	74457	0	0	0	0
chr22	74532	83554	0	0	0.5	2.17
chr22	83881	85403	0	0	0	0
chr22	85591	85959	0	0	0	0
chr22	86955	87875	0.48	6.85	0.2	6.85
chr22	87984	88455	6.38	38.43	6.1	28.03
chr22	89639	94300	0.92	1.2	0.14	5.88
chr22	94479	95804	0	0	0	0
chr22	96178	100888	0	0	0	0
chr22	103596	105430	0.17	1.15	0	0
chr22	105457	107590	201.8	51.24	207.53	51.05
chr22	109913	114657	0	0	0.11	7.4
chr22	114871	116809	0.12	2.58	0	0
chr22	117441	126295	0	0.21	0	0
chr22	127583	136421	20.92	13.95	21.16	9.8
chr22	136982	138475	0	0	0	0
chr22	138922	140864	0	0	0.02	0.26
chr22	141469	143372	14.19	19.71	22.17	9.46
chr22	143476	146182	16.73	26.27	17.1	30.01
chr22	146818	148515	0	0	0	0
chr22	148694	150418	0	0	0	0
chr22	150496	150933	0	0	0	0
chr22	151402	154109	0	0	0	0
chr22	154118	156045	0	0	0	0
chr22	156046	158736	0.82	8.7	0	0
chr22	159155	159724	0	0	0	0
chr22	159739	160656	0	0	0	0
chr22	160991	162212	0.41	18.1	0	0
chr22	162265	163750	0	0	0	0
chr22	163852	167795	0	0	0	0
chr22	167798	170476	12.1	23.6	5.14	23.6
chr22	171123	172464	22.86	21.48	34.86	21.33
chr22	173442	174128	0	0	0	0
chr22	175087	182831	0	0	0	0
chr22	183931	186079	0	0	0	0
chr22	186789	191604	20.36	23.01	27.88	25.36
chr22	191675	195440	0	0	0.37	3.27
chr22	195689	197201	0	0	15.53	15.01
chr22	197223	199191	0	0	0	0
chr22	199416	203481	0	0	9.92	9
chr22	203562	207182	0	0	1.55	12.76
chr22	207321	212193	0	0	0	0
chr22	212224	215783	0	0	1.84	9.24
chr22	216289	225924	68.43	9.62	5.63	6.43
chr22	226806	230381	114.71	40.53	113.47	42.97
chr22	231273	233214	216.1	34.78	25.38	46.01
chr22	233270	235359	0	0	1.63	7.75
chr22	235360	237512	24.53	39.68	23.51	32.71
chr22	237514	240450	0	0	0	0
chr22	240451	242048	0	0	0.84	8.39
chr22	242113	243134	8.98	11.46	37.12	28.6
chr22	243440	244772	0	0	1.8	5.56
chr22	244817	248812	25.1	25.56	21.06	26.76
chr22	248836	251204	0	0	0.03	0.8
chr22	252137	254089	0	0	1.03	7.02
chr22	254187	256635	30.72	31.29	23.97	34.31
chr22	257652	265727	2.42	4	0.55	10.84

chr22	266313	267647	0	0	6.91	16.87
chr22	267758	271580	0.55	5.73	0	0
chr22	271791	273592	23.3	42.81	22.01	59.86
chr22	273730	275211	0	0	0	0
chr22	275584	276594	42.34	49.41	1.39	33.07
chr22	276677	277623	86.18	48.52	265.64	57.4
chr22	277637	283621	0.03	0.33	0	0
chr22	284845	287477	41.97	30.47	77.72	35.68
chr22	289946	291010	0	0	0	0
chr22	291530	296254	2.6	10.58	8.28	13.17
chr22	296337	298863	40.19	19.36	5.03	17.54
chr22	299308	300186	0	0	0	0
chr22	300803	301594	816.49	55.5	18.71	17.32
chr22	302091	304210	18.1	24.12	9.93	28.41
chr22	304456	306148	0	0	0	0
chr22	306706	312850	51.98	22.64	13.24	27.47
chr22	313014	313778	0	0	0	0
chr22	313880	315235	0	0	19.95	21.25
chr22	316012	316770	0	0	0	0
chr22	316843	318027	0	0	2.19	11.74
chr22	318043	321277	0.37	2.78	0.06	2.78
chr22	321309	325854	119.94	36.9	120.83	36.61
chr22	326024	331653	0.02	1.69	1.96	8.35
chr22	331654	332871	18.57	12.82	4.12	12.82
chr22	332885	337934	1.88	2.5	0	0
chr22	337935	341498	60.25	32.5	81.75	50.27
chr22	341877	342671	136.11	84.26	56.33	82.87
chr22	343010	343441	0	0	0	0
chr22	343814	346766	0	0	0.1	10.16
chr22	346790	348635	20.16	38.21	5.37	35.07
chr22	348640	351635	0	0	10.08	23.97
chr22	351636	354907	39.4	20.94	23.87	28.4
chr22	354922	359710	478.42	48.31	173.78	48.04
chr22	359807	361342	12.74	19.74	7.76	13.81
chr22	361806	363316	0	0	49.06	28.81
chr22	363665	376903	1.51	2.71	1.79	6.34
chr22	377788	381871	8.44	25.01	6.33	15.48
chr22	382044	385193	16.1	20.96	2.77	21.15
chr22	385194	387718	86.84	63.03	65.88	59.63
chr22	387841	389780	81.51	17.38	51.16	24.29
chr22	390601	391564	3.48	18.69	12.01	18.59
chr22	391649	393120	0	0	10.13	22.09
chr22	393206	394858	366.97	41.4	362.43	54.96
chr22	394861	397297	0	0	4.87	14.7
chr22	397360	398911	3.07	27.6	10.08	27.6
chr22	399685	400530	3019.5	36.57	2793.6	49.59
chr22	401321	403133	10.63	15.73	4.46	20.97
chr22	403366	404121	0	0	0	0
chr22	404918	412957	2.06	7.89	0	0
chr22	412958	414566	0	0	0	0
chr22	414580	416925	22.13	18.04	16.63	28.19
chr22	417137	418465	0	0	32.74	41.94
chr22	419190	421305	0	0.47	0	0
chr22	421330	424154	78.75	27.94	46.87	46.57
chr22	425001	425780	1128.78	83.7	727.74	97.95
chr22	425789	426325	2294.1	93.84	2474.72	100
chr22	428557	432579	44.89	52.04	39	49.5
chr22	432596	433782	16.82	26.48	8.68	26.48
chr22	433872	439330	0	0	0	0
chr22	439331	444471	16.4	3.97	10.16	16.32
chr22	444939	445324	0	0	0	0
chr22	445687	449904	16.42	15.63	0	0
chr22	450007	453737	71.33	23.99	7.49	11.42
chr22	453738	455685	0	0	0.59	8.42
chr22	455834	459124	8.71	9.6	7.57	9.6

chr22	459139	461924	13.58	5.85	13.44	10.38
chr22	461932	464522	0	0	0.04	4.48
chr22	464523	471320	0	0	0.04	1.46
chr22	471321	473935	0	0	0	0
chr22	474052	476592	0	0	0	0
chr22	477016	482380	4.35	8.04	2.62	5.69
chr22	482381	485056	0.05	5.2	0	0
chr22	485204	486660	0	0	0	0
chr22	486717	488591	0	0	0.81	10.94
chr22	488881	489441	40.93	68.93	18.33	68.93
chr22	489831	490376	0	0	0	0
chr22	490583	498105	0	0	2.04	3.59
chr22	498342	499957	8.02	38.7	7.56	38.7
chr22	500123	502885	0	0	2.59	10.07
chr22	502886	511918	0	0	0.07	2.47
chr22	511919	515141	0.01	0.71	0.01	0.81
chr22	515210	517233	0.22	7.51	1.39	9.44
chr22	519221	524320	1.26	10.77	0	0
chr22	524321	528163	0	0	0	0
chr22	528175	530574	0	0	4.26	17.22
chr22	531060	543526	47.68	15.88	39.87	20.01
chr22	544597	549028	17.33	8.98	9.94	16.25
chr22	550677	552926	0	0	0	0
chr22	553420	556876	0	0.43	0	0
chr22	558878	562814	0.01	0.64	0	0
chr22	562843	565454	1.45	11.83	1.71	13.63
chr22	566490	567389	0	0	0	0
chr22	567863	568427	0	0	0	0
chr22	568792	573028	0	0	3.15	10.36
chr22	574391	576836	0	0	0	0
chr22	576845	578615	0	0	0	0
chr22	578655	579970	0	0	0	0
chr22	580290	584300	3.37	4.36	4.75	13.44
chr22	584308	586912	0	0	0.05	4.8
chr22	587248	604362	0	0.13	3.01	2.33
chr22	604844	621719	0.48	0.97	1.78	4.14
chr22	624246	630706	14.27	17.07	37.25	21.24
chr22	630707	633831	12.49	22.31	10.56	36.62
chr22	635068	637167	0	0	0	0
chr22	638425	641590	0	0	0	0
chr22	641602	645496	0	0	0	0
chr22	645500	649152	18.15	11.39	4.13	13.03
chr22	649261	654475	0	0	0	0
chr22	654660	654974	0	0	0	0
chr22	655513	658303	0	0	0	0
chr22	659356	660531	0	0	0	0
chr22	660540	666756	0	0	0	0
chr22	667357	672012	9.2	27.28	15.01	29.47
chr22	672030	675651	0	0	0	0
chr22	675658	681899	0.16	4.58	4.98	7.42
chr22	682678	686846	6.17	16.79	2.82	17.97
chr22	688595	692705	24.49	18.3	33.57	30.05
chr22	694260	697606	7.68	4.9	2.25	4.9
chr22	697666	701682	0	0	0	0
chr22	701686	704990	0	0	0	0
chr23	2340	3101	0	0	0	0
chr23	5547	10748	25.26	23.28	4.33	20.27
chr23	15842	16696	19.64	29.51	8.42	29.51
chr23	17087	23864	5.61	11.42	31.79	15.26
chr23	24123	25171	0	0	0	0
chr23	25205	32415	1.8	5.24	2.02	11.41
chr23	32435	33228	0	0	0	0
chr23	33649	35053	13.01	25.85	7.42	32.76
chr23	35303	40344	0	0	0	0
chr23	40376	41018	0	0	0	0

chr23	41608	46053	1.1	3.69	15.15	9.58
chr23	66013	69947	2073.48	25.85	163.91	27.05
chr23	70904	72833	0	0	0	0
chr23	73063	74969	0	0	0	0
chr23	75012	79097	7.54	8.27	4.2	14.22
chr23	79858	82059	10.81	9.81	0	0
chr23	82209	83672	0	0	0	0
chr23	84259	87005	0	0	0	0
chr23	89362	90287	26.48	23.78	13.4	16.97
chr23	90739	92322	0	0	0	0
chr23	93141	95906	11.78	7.96	0.72	7.56
chr23	97065	99647	0	0	0	0
chr23	100109	103814	0	0	0	0
chr23	105632	108394	0	0	0	0
chr23	109438	116241	0	0	0.01	0.28
chr23	116732	118630	1.03	3.74	6.52	3.74
chr23	119800	127409	0	0	2.16	6.01
chr23	127747	144014	0	0	0	0
chr23	144074	147960	2.42	15.13	4.56	14.64
chr23	150163	152488	0	0	0	0
chr23	152864	156837	14.79	14.77	13.63	15.88
chr23	156844	160013	0	0	0.71	1.64
chr23	160594	165882	0	0	0	0
chr23	165928	170554	718.41	6.23	10.29	39.84
chr23	171019	171648	0	0	0	0
chr23	171657	175298	0	0	0	0
chr23	175604	181962	0	0	0.04	3.92
chr23	182163	187137	0	0	0	0
chr23	187493	189051	0	0	0	0
chr23	189177	192271	0	0	0	0
chr23	192707	197179	4.03	11.63	0	0
chr23	197592	199095	0	0	0.85	15.04
chr23	199836	203035	5.13	10.94	3.33	8.35
chr23	203508	206271	1.62	3.55	0.73	3.58
chr23	206320	207392	0.37	18.19	0	0
chr23	208467	212730	0	0	0	0
chr23	215097	216341	0	0	0	0
chr23	217098	219165	2.93	22.35	4.29	24.87
chr23	219166	223437	8.75	13.7	8.32	18.43
chr23	224058	230041	0	0	0	0
chr23	230199	232819	0	0	0	0
chr23	233284	234981	7.41	14.14	22.22	14.14
chr23	235123	240022	31.79	27.84	46.04	25.23
chr23	240023	241510	0	0	0	0
chr23	241889	243202	0	0	0	0
chr23	243569	246754	7.64	11.77	9.03	25.02
chr23	247212	250107	0	0	0	0
chr23	251478	253211	0	0	0	0
chr23	253257	253623	0	0	0.05	5.46
chr23	254174	258693	328.4	56.78	534.85	56.18
chr23	258828	260094	0	0	0	0
chr23	260584	261633	31.74	48.43	4.5	11.73
chr23	261651	262175	0	0	0	0
chr23	262308	263610	0	0	14.17	55.45
chr23	263611	264339	0	0	2.77	25.96
chr23	264358	266146	0	0	0	0
chr23	266473	269815	0	0	0.09	5.86
chr23	272243	273485	0	0	0	0
chr23	277166	281122	142.49	30.01	164.15	31.04
chr23	281557	283849	67.91	25.92	18.65	25.52
chr23	284862	285849	0	0	0	0
chr23	288809	292182	24.65	32.11	25.64	36.5
chr23	292958	294772	360.21	66.26	266.5	66.04
chr23	296199	297874	73.58	56.96	161.05	67.76
chr23	298265	300524	0	0	0	0

chr23	300917	305215	1.44	9.54	2.67	7.21
chr23	305227	305934	0	0	0	0
chr23	306616	308540	0	0	2.11	24.22
chr23	309417	312206	90.51	10.11	185.41	23.59
chr23	312214	316520	9.16	11.89	5.34	23.08
chr23	316888	319192	33.19	33.55	26.92	33.38
chr23	319769	322669	24.49	8.72	26.85	28.41
chr23	323962	325723	111.29	54.06	93.15	54.06
chr23	326016	330245	3.87	13.55	3.54	7.97
chr23	330801	345549	0.96	1.37	0.55	1.37
chr23	345650	348984	87.91	13.38	67.54	26.54
chr23	349801	351524	0	0	0	0
chr23	351557	352126	0	0	0	0
chr23	352511	353953	73.38	30.65	114.26	45.21
chr23	355134	357656	0	0	4.77	6.03
chr23	357899	359522	0	0	11.23	29.51
chr23	360023	364145	0	0	1.94	16.47
chr23	364146	367580	6.6	6.96	5.92	11.59
chr23	368188	370054	0	0	0	0
chr23	370084	372102	0.02	0.94	0	0
chr23	372836	378022	0	0	1.88	7.46
chr23	378548	379881	0	0	0	0
chr23	380189	384265	2.86	5.79	15.63	10.79
chr23	384425	388210	144.96	23.36	38.72	15.85
chr23	389183	390817	0	0	0	0
chr23	391291	392945	0	0	0	0
chr23	393975	399756	0	0	2.69	7.39
chr23	400422	401075	0	0	14.8	17.46
chr23	401846	402697	0	0	0	0
chr23	403002	404597	0	0	0	0
chr23	405577	409852	0	0	0	0
chr23	410154	412879	0	0	0	0
chr23	412891	415425	0	0	0	0
chr23	415840	420841	0	0	0	0
chr23	421401	423974	0.02	1.01	0	0
chr23	425515	428542	4.25	11.4	402.05	17.21
chr23	429478	433796	0.01	0.6	0	0
chr23	435385	436041	0	0	0	0
chr23	436308	436598	0	0	0	0
chr23	439090	442179	0	0	0.01	1.13
chr23	443088	444943	0	0	0	0
chr23	445294	446432	0	0	0	0
chr23	446483	447415	0	0	0	0
chr23	447538	448062	0	0	0	0
chr23	448423	450521	0	0	0.05	5.34
chr23	450785	451952	0.1	1.71	0	0
chr23	452541	454762	0	0	0	0
chr23	455478	464107	2.03	3.63	2.53	4.29
chr23	464199	466373	0	0	49.15	41.31
chr23	467937	472432	0	0	1.14	5.32
chr23	472603	476224	6.05	6.96	1.47	4.58
chr23	476595	480938	0.06	0.94	0.77	4.24
chr23	481864	484996	0	0	0	0
chr23	486161	488317	12.49	14.33	3.59	14.33
chr23	488319	494491	4.72	13.5	1.15	7.7
chr23	494952	496817	2.58	24.77	5.57	19.2
chr23	496992	506337	0.94	2.28	0.37	2.5
chr23	506388	509964	0	0	0	0
chr23	510089	512429	19.97	22.78	3.56	18.16
chr23	512593	515081	0	0	0	0
chr23	517095	528600	2.64	7.66	3.06	4.74
chr23	531330	533528	0	0	0	0
chr23	535194	537188	10	9.98	1.33	5.32
chr23	538565	541658	0	0	7	18.98
chr23	541939	543096	0.02	2.07	0	0

chr23	543117	544574	0	0	0	0
chr23	544589	548422	0	0	0	0
chr23	548613	550860	0	0	0	0
chr23	550883	556105	0.01	0.77	0	0
chr23	558677	564432	12.45	23.58	9.24	12.15
chr23	564433	566943	3.88	5.86	0.28	3.78
chr23	567068	574410	3.74	9.4	0.24	3.26
chr23	574469	581529	0	0	0	0
chr23	581927	584658	0	0	0	0
chr23	585055	590683	12.68	11.11	20.47	20.61
chr23	590710	595695	7.53	16.43	1.7	8.51
chr23	595742	600279	6.14	6.15	3.22	6.13
chr23	600829	603151	0	0	0	0
chr23	603201	604668	0	0	0	0
chr23	606008	609799	0.04	1.03	0	0
chr23	609963	611983	54.87	20.69	1.44	18.76
chr23	611984	613266	0	0	0	0
chr23	613283	615827	0	0	0	0
chr23	615880	618165	61.42	16.67	50.35	45.38
chr23	618737	621437	0	0	0	0
chr23	621438	625202	0.13	6.38	0	0
chr23	625646	629557	0	0	0.02	2.15
chr23	630078	637219	13.67	19.47	3.01	14.24
chr23	637497	641286	0	0	0	0
chr23	641287	642785	65.66	20.49	52.56	20.29
chr23	643748	644798	0	0	0	0
chr23	645129	651304	2.99	7.85	3.12	5.68
chr23	651514	658065	2.14	8.49	2.76	3.25
chr23	658071	662261	0.57	5.63	0.12	5.63
chr23	662269	667216	0	0	0	0
chr23	667217	669637	0	0	12.89	15.87
chr23	670493	670939	0	0	4.45	6.95
chr23	671171	673183	0	0	0	0
chr23	673614	681640	0	0	1.01	1.92
chr23	681951	684295	10.26	21.8	30.59	15.74
chr23	685893	689572	97.52	51.02	1388.16	60.59
chr23	689971	693570	0.01	0.64	3.86	11.03
chr23	693571	696861	0.36	4.89	0	0
chr23	696991	703834	5.66	12.29	1.18	5.26
chr24	765	3636	0	0	0	0
chr24	4044	6748	0	0	7.82	10.21
chr24	7459	9917	0.01	0.94	0	0
chr24	9946	12519	22.29	9.87	0	0
chr24	12524	17624	17.23	10.82	2.52	13.92
chr24	19228	19719	0	0	0	0
chr24	19793	23984	0	0	0	0
chr24	24493	31178	0	0	0	0
chr24	31211	38891	0	0	0	0
chr24	38957	39403	0	0	0	0
chr24	39788	41629	6.28	11.52	0.32	4.29
chr24	41634	44566	20.55	18.42	5.94	18.01
chr24	44580	46038	126.78	32.72	989.68	33.33
chr24	46678	52557	12.8	7.99	19.05	11.29
chr24	52787	55037	0.17	4.53	0.12	4.53
chr24	55088	56270	40	17.09	41.87	29.19
chr24	58688	61037	0	0	2.29	19.63
chr24	62314	64265	0	0	0	0
chr24	64267	66186	96.8	35.38	32.86	29.03
chr24	66408	73050	0	0	0	0
chr24	73438	74356	0	0	0	0
chr24	74382	75545	0	0	0	0
chr24	76527	77506	0	0	0	0
chr24	77817	82204	0	0	0	0
chr24	82295	89554	3.58	7.47	1.64	3.5
chr24	89748	93864	0	0	0	0

chr24	94748	99215	0.21	3.22	0.26	3.22
chr24	100018	102601	0	0	0	0
chr24	104892	109108	0	0	0	0
chr24	109109	113801	4.05	11.51	10.15	18.95
chr24	115393	117506	0	0	0	0
chr24	118635	121664	5.55	10.14	9.76	14.79
chr24	121754	124765	0	0	0	0
chr24	125392	128626	16.35	18.37	10.97	17.56
chr24	129356	131978	0	0	0.29	8.89
chr24	132670	136835	5.35	14.45	4.11	13.01
chr24	136947	139751	0	0	0	0
chr24	139781	144001	16.14	14.62	10.01	13.18
chr24	144002	147125	3.02	12.68	0	0
chr24	147386	148725	0.57	11.43	5.63	17.92
chr24	148809	151207	0	0	0	0
chr24	151208	152917	0	0	8.78	32.88
chr24	153241	155526	11.19	51.68	12.92	47.96
chr24	155810	159368	0	0	0	0
chr24	160369	161310	0	0	0	0
chr24	161412	162865	39.44	43.57	16.36	47.35
chr24	163717	165410	11.68	10.57	0	0
chr24	165746	167915	0	0	0	0
chr24	168802	170878	1.52	6.74	0.68	6.79
chr24	171049	172364	32.63	52.62	34.54	69.2
chr24	173307	175441	0	0	0	0
chr24	175551	178328	25.73	36.26	7.77	47.68
chr24	178647	184562	11.72	17.43	2.42	16.57
chr24	184598	187115	12.54	19.79	0	0
chr24	187296	190861	0	0	0	0
chr24	191250	194359	0.14	6.27	10.26	18.17
chr24	195126	197723	2.98	16.13	0	0
chr24	197869	199871	0.24	1.25	10.77	11.39
chr24	200666	202384	0	0	0	0
chr24	202655	204320	17.62	29.13	4.19	9.19
chr24	204336	206390	7.97	24.39	20.78	37.49
chr24	206860	208862	0	0	11.14	20.28
chr24	209815	211254	132.6	77.62	304.65	87.35
chr24	212100	213286	0	0	0.29	7.17
chr24	213661	215026	42.13	30.99	12.93	32.6
chr24	215333	216190	0	0	0	0
chr24	216474	217148	0	0	14.45	57.12
chr24	217348	221492	0	0	0.08	4.66
chr24	221641	223300	0	0	0	0
chr24	223649	224749	1.58	43.45	36.93	38.91
chr24	224816	229162	22.66	23.58	1.96	15.51
chr24	229646	231552	5.69	14.38	3.35	4.35
chr24	231561	232649	22	40.99	23.99	36.12
chr24	233165	233935	55.49	26.88	144.52	62.08
chr24	233965	235250	24.19	31.83	33.8	51.52
chr24	235462	237689	14.41	6.11	32.4	34.31
chr24	237704	240388	8.56	10.02	1.14	9.24
chr24	240541	241956	0	0	0	0
chr24	242003	246848	11.74	21.82	4.4	19.57
chr24	248622	250610	68.69	37.58	95.89	38.03
chr24	250611	252828	51.69	58.32	32.53	59.04
chr24	253016	253527	0	0	13.65	42.47
chr24	253635	254829	0	0	4.32	27.39
chr24	255735	256788	0	0	0	0
chr24	256846	257595	0	0	0	0
chr24	259452	264717	73.71	30.12	72.44	35.1
chr24	264868	265074	0	0	0	0
chr24	265095	265796	0	0	0	0
chr24	267052	278850	64.24	31.98	125.09	32.2
chr24	278851	283530	6.81	6.71	9.53	15.79
chr24	283946	285873	8.94	10.07	23.66	40.11

chr24	285897	288336	0.48	1.23	0.29	0.45
chr24	288998	292086	0	0	0	0
chr24	292309	293380	0	0	0	0
chr24	293667	294793	0	0	0	0
chr24	295198	301444	6.24	12.81	2.36	7.91
chr24	301495	302789	0	0	0	0
chr24	303324	309943	0	0	0	0
chr24	310517	312918	17.73	33.28	19.85	23.66
chr24	313488	316036	0	0	189.94	6
chr24	316729	318531	0	0	0	0
chr24	318607	321026	0	0	0	0
chr24	321459	322793	0	0	0	0
chr24	323137	323602	0	0	0	0
chr24	324289	325632	0	0	0	0
chr24	325656	327000	0	0	0	0
chr24	327234	329397	0.02	0.88	0	0
chr24	329786	331708	0	0	0	0
chr24	332030	334992	0	0	0	0
chr24	335031	342457	0.6	1.56	0	0
chr24	342870	349316	7.89	18.82	6.24	15.5
chr24	349331	350182	0	0	0	0
chr24	350183	352197	0	0	0	0
chr24	353023	358073	0	0	0	0
chr24	358133	359076	0	0	0	0
chr24	359492	364506	0	0	1.23	6.6
chr24	364507	368605	6.17	6.73	1.01	2.64
chr24	368884	369809	0	0	0	0
chr24	369890	371974	0	0	0	0
chr24	372665	374832	0	0	0	0
chr24	374913	375617	0	0	0	0
chr24	375948	377580	1.66	7.97	0.22	7.9
chr24	377674	380280	0	0	0	0
chr24	381055	382649	93.4	55.33	129.69	61.1
chr24	383972	384910	32.5	23.56	24.3	43.18
chr24	385347	386965	0	0	0.09	4.57
chr24	387355	391475	0.07	3.5	0	0
chr24	392799	393929	0	0	0	0
chr24	394053	396901	0	0	0	0
chr24	398370	400754	0.44	2.81	12.58	24.04
chr24	400881	404566	18.35	24.91	18.18	23.91
chr24	404594	409954	39.92	29.98	56.9	23.04
chr24	410706	412624	0	0	0	0
chr24	413536	415651	884.96	30.97	2.66	11.21
chr24	416242	419867	418.78	46.68	568.27	54.92
chr24	420649	422844	0	0	0	0
chr24	423331	427328	7.46	3.75	0	0
chr24	427515	429702	0	0	0	0
chr24	429703	431864	8.31	10.09	6.28	27.12
chr24	432467	434356	0	0	0	0
chr24	434452	434688	0	0	0	0
chr24	437024	438269	0	0	0	0
chr24	438450	440615	2.93	14.92	0	0
chr24	440964	449043	0	0	0	0
chr24	449323	451555	3.71	9.14	0	0
chr24	451556	454167	388.19	43.13	622.74	38.72
chr24	455521	457234	10.82	17.05	0	0
chr24	457418	458977	0	0	5.84	22.84
chr24	459030	459497	0	0	0	0
chr24	460339	466169	12.04	7.38	10.08	11.18
chr24	466186	467707	0	0	0	0
chr24	467852	469381	0	0	0	0
chr24	469394	470941	0.92	27.28	0	0
chr24	471448	474085	0	0	0	0
chr24	474725	476338	0	0	0	0
chr24	477082	477682	0	0	0	0

chr24	478380	479777	0	0	0.03	1.36
chr24	479875	482371	7.64	20.11	0	0
chr24	484079	487167	17.3	24	4.12	24
chr24	488016	491090	49.25	28.69	29.49	22.51
chr24	491806	492323	0	0	0	0
chr24	492544	494927	0	0	0	0
chr24	495274	498377	0	0	0	0
chr24	499436	503014	0	0	0	0
chr24	503027	507241	3.6	9.44	16.8	11.63
chr24	507242	511070	0	0	0	0
chr24	511333	511698	0	0	0	0
chr24	511945	514824	0	0	0	0
chr24	515338	515950	73.97	45.42	38.56	45.42
chr24	516508	518672	0	0	0	0
chr24	518702	520175	4.82	26.21	38.79	26.21
chr24	520652	525240	0	0	0.01	1.29
chr24	525258	529207	0	0	0	0
chr24	529492	533596	4.76	2.46	1.48	2.46
chr24	534165	536762	0	0	0	0
chr24	536966	541125	0	0	0	0
chr24	541288	541677	0	0	0	0
chr24	542664	543106	0	0	0	0
chr24	543124	549425	0	0	0	0
chr24	551205	552966	16.96	15.33	13.48	9.03
chr24	553146	554232	100.54	16.39	17.79	16.02
chr24	555693	567087	44.62	14.6	62.17	19.63
chr24	567095	569821	0.02	0.77	0	0
chr24	571065	574453	0	0	0	0
chr24	574972	576147	0	0	5.69	36.17
chr24	576376	577780	8.78	24.36	4.77	24.36
chr24	577781	582438	3.73	2.06	4.06	2.08
chr24	582639	587419	0.01	0.4	0	0
chr24	587814	592292	838.77	3.1	46.36	12.59
chr24	592340	594397	5.85	7	5.88	15.95
chr24	595181	596761	0	0	0	0
chr24	596926	598260	6.56	13.42	43.95	73.16
chr24	598519	599920	0	0	0	0
chr24	600139	604794	0	0.47	0.01	0.41
chr24	604795	610170	0	0	1.61	10.49
chr24	610379	612716	2.14	5.65	1.42	3.98
chr24	614691	616970	3.9	7.72	0	0
chr24	618716	631654	0	0	0	0.24
chr24	631655	633554	0	0	0	0
chr24	633587	635921	0	0	0	0
chr24	636367	638323	17.06	15.03	0	0
chr24	639031	642628	3.57	6.12	0.96	4.03
chr24	642652	647245	0.2	1.42	1.74	6.9
chr24	647246	656483	12.4	11.77	4.15	7.88
chr24	657256	658711	18.68	23.09	52.48	23.44
chr24	658777	659802	111.42	74.73	27.54	93.85
chr24	660005	664753	0	0	8.15	7.12
chr24	666447	668196	0	0	1.54	14.18
chr24	668577	672985	1.89	3.04	2.92	13.07
chr24	673946	674629	0	0	0	0
chr24	674962	676412	0	0	0	0
chr24	676508	697475	16.14	14.18	13.57	13.93
chr24	698157	700460	3.2	15.11	10.35	41.99
chr25	89	2275	0	0	0	0
chr25	2278	3089	0	0	0.09	2.34
chr25	3256	5434	0	0	0	0
chr25	5904	6473	0	0	0	0
chr25	6481	7223	0	0	0	0
chr25	7378	8165	0	0	0	0
chr25	8608	9997	0	0	0	0
chr25	10663	11058	0	0	0	0

chr25	11091	12609	0	0	0	0
chr25	12610	21040	0.17	2.49	8.7	9.07
chr25	21847	24693	191.44	22.7	56.47	20.94
chr25	25840	27181	3.29	23.49	0	0
chr25	27540	29353	0	0	0.02	1.1
chr25	29791	39520	0	0	0.01	0.36
chr25	40091	42293	0	0	0	0
chr25	42390	45352	19.29	7.09	15.29	9.18
chr25	47677	51217	0	0	0	0
chr25	52200	55790	0	0	0	0
chr25	58061	66509	0	0	0	0
chr25	67148	77025	8.87	6.34	13.33	9.37
chr25	77470	83538	16.71	9.54	43.87	10.51
chr25	83835	88088	0	0	0	0
chr25	88089	91653	0.83	1.23	3.07	7.8
chr25	91812	93265	0	0	0	0
chr25	93399	95210	8.45	19.16	5.67	16.73
chr25	95211	104200	5.27	8.28	3.77	10.18
chr25	105624	106905	0	0	0	0
chr25	108731	109794	62	35.28	65.35	51.74
chr25	109905	113611	19.55	12.14	11.07	11.93
chr25	113686	120126	1.27	2.55	0.83	2.55
chr25	120127	121793	32.52	55.04	89.09	71.97
chr25	121794	138535	3.75	6.95	2.38	6.13
chr25	138537	140082	224.26	61.04	99.65	41.36
chr25	140083	146936	31.11	41.38	23.49	36.73
chr25	147738	148592	118.34	28.1	36.23	27.87
chr25	149393	154188	0	0	0	0
chr25	154223	156790	0	0	1.77	7.71
chr25	157110	159596	0	0	4.86	18.22
chr25	160649	161974	0	0	2.71	8
chr25	162436	164786	13.39	12.51	0	0
chr25	164865	165137	0	0	0	0
chr25	165497	171325	19.26	10.6	9.75	15.05
chr25	171671	173582	39.13	37.26	9.17	15.23
chr25	173695	174909	0	0	66.53	57.5
chr25	175626	177110	894	99.06	1235.46	100
chr25	178452	180598	24.92	21.3	3.15	15.28
chr25	181163	182428	0	0	10.53	27.27
chr25	182879	184123	0	0	0	0
chr25	184476	186578	30.84	10.23	5.68	16.37
chr25	186911	188338	0	0	0	0
chr25	188447	190721	0	0	6.36	12.93
chr25	192937	200106	0	0	1.25	2.62
chr25	200399	200998	0	0	0	0
chr25	201712	204734	0	0	1.63	12.84
chr25	204890	206776	0	0	0	0
chr25	207300	208892	0.01	1.19	0	0
chr25	209072	211448	40.69	41.46	80.4	28.16
chr25	211717	213546	0	0	8.34	11.32
chr25	213547	219949	11.85	10.28	2.36	4.22
chr25	220463	223527	25.88	16.09	11.31	16.64
chr25	223834	227611	0	0	0.88	5.64
chr25	227723	234378	9.69	2.66	3.09	5.83
chr25	234379	238153	37.42	13.35	10.62	13.01
chr25	238235	247479	1495.25	23.84	1403.46	23.87
chr25	247480	250055	32.31	40.5	76.19	62.76
chr25	250173	253270	0	0	0	0
chr25	253611	260324	8.23	8.25	0.47	6.23
chr25	260339	263835	0	0	0.43	5.55
chr25	264188	265414	0	0	0	0
chr25	266464	267639	1.79	19.32	15.37	38.81
chr25	268142	270523	0	0	0	0
chr25	271532	272071	16.88	58.44	11.82	58.44
chr25	272127	272708	0	0	0.05	5.34

chr25	272764	277531	4.52	11.2	0.22	3.15
chr25	278754	280206	21.75	40.84	18.18	24.04
chr25	280753	282063	0	0	3	22.29
chr25	282123	285572	0.01	1.16	0	0
chr25	285929	286183	27.43	34.25	1.37	34.25
chr25	286997	288698	12.3	15.52	29.03	33.86
chr25	289086	290926	0	0	2.33	18.53
chr25	291610	293786	12.27	9.28	11.65	38.42
chr25	294180	297457	0	0	2.64	11.78
chr25	297472	303930	3.97	6.61	9.37	10.08
chr25	304878	306372	0	0	0	0
chr25	307278	309270	0	0	0.11	10.59
chr25	309468	310984	0	0	0	0
chr25	313555	315255	6.84	10.24	9.4	27.82
chr25	315946	316962	0	0	0	0
chr25	317009	318608	0	0	0	0
chr25	318617	320138	0	0	0	0
chr25	320435	322356	0	0	0	0
chr25	322755	332260	0	0	0	0
chr25	332278	334362	2.74	5.04	4.37	12.62
chr25	334736	336438	0	0	0	0
chr25	336541	339121	0	0	0	0
chr25	339206	340457	0	0	0	0
chr25	340496	342065	0.02	1.21	0	0
chr25	342378	345784	25.79	22.25	43.55	36.76
chr25	347310	350638	33.25	19.59	40.6	33.47
chr25	352442	357573	0	0	0	0
chr25	359683	360387	22	54.55	11.24	11.22
chr25	361483	363232	0	0	9.66	14.64
chr25	363846	366612	2.78	11.42	0	0
chr25	366915	373586	0	0	0	0
chr25	374145	376807	0	0	0	0
chr25	376891	379428	6.32	21.32	18.55	40.72
chr25	380005	382461	0	0	0	0
chr25	382965	383648	0	0	0	0
chr25	383771	387060	4.82	6.81	9.75	5.81
chr25	387511	388113	0	0	0	0
chr25	388605	390707	0	0	0	0
chr25	390731	398722	5.82	10.29	0	0
chr25	398723	400866	1.67	11.95	0	0
chr25	400867	406838	89.46	18.82	52.11	18.79
chr25	406839	409102	0	0	0.73	13.92
chr25	410716	413661	0	0	0.79	2.65
chr25	414394	417273	0	0	0	0
chr25	418078	422363	14.86	10.92	0	0
chr25	423308	425670	10.19	11.98	33.17	28.03
chr25	426461	430482	0	0	8.26	3.43
chr25	431527	434806	0	0	0	0
chr25	434976	436832	0	0	0	0
chr25	437075	438235	0	0	0	0
chr25	438297	439192	0	0	0	0
chr25	439475	440311	0	0	0	0
chr25	440553	442704	0	0	1.92	6.6
chr25	442904	444946	0	0	0	0
chr25	445084	446765	0	0	0	0
chr25	447300	448254	0	0	3.76	53.67
chr25	449028	451048	135.4	18.12	175.35	24.8
chr25	451772	453419	0	0	0	0
chr25	454436	455905	5.79	33.97	0.2	15.04
chr25	455937	457270	0	0	0	0
chr25	457303	458873	0	0	0	0
chr25	458939	459763	3.31	19.3	3.95	21.72
chr25	460251	467022	3.86	5.7	6.73	13.97
chr25	467051	471917	1.75	8.65	3.74	10.6
chr25	472705	474353	0	0	0	0

chr25	474812	479087	0	0	0.03	0.37
chr25	479180	496933	0	0	0	0.37
chr25	497344	507130	11.68	15.79	3.38	10.83
chr25	508155	511392	0	0	0	0
chr25	512308	516106	0	0	0	0
chr25	516107	520582	0	0	0	0
chr25	520608	526562	15.07	17.08	10.93	17.08
chr25	528933	534470	13.32	7.3	5.9	17.16
chr25	535287	536876	0	0	0	0
chr25	538424	541179	0	0	0	0
chr25	542446	544122	0.02	1.01	0.04	1.01
chr25	544300	545849	15.67	12.78	0	0
chr25	546019	549934	14.36	6.54	14.34	16.12
chr25	550607	552558	0	0	0	0
chr25	552955	555459	0.03	3.04	0	0
chr25	555506	559513	26.75	22.91	28.81	37.96
chr25	559847	564478	30.07	36.15	16.39	25.61
chr25	564507	568008	0	0	1.46	10.48
chr25	568152	572590	258.84	9.53	48.52	11.2
chr25	572632	574643	11.17	20.19	4	8.55
chr25	574782	583686	1.57	6.9	4.88	6.92
chr25	583687	586818	0	0	9.33	13.41
chr25	586910	590508	0	0	0	0
chr25	591238	595272	1.56	11.03	10.42	9.22
chr25	595273	599654	0	0	0	0
chr25	599688	601662	0.63	7.14	8.54	7.14
chr25	601920	603618	96.53	64.84	75.42	46.23
chr25	604291	611043	0	0	0	0
chr25	612704	620945	14.83	12.41	25.48	20.17
chr25	621013	621995	0	0	0	0
chr25	622104	630195	19.49	13.32	23.89	15.09
chr25	632781	636746	0	0	0	0
chr25	637722	638890	0	0	0	0
chr25	639461	641127	24.16	13.75	48.57	13.75
chr25	643116	645647	5.2	7.15	6.5	7.23
chr25	646573	650604	16.8	18.78	11.9	19.52
chr25	651322	653867	0.01	0.86	0	0
chr25	654535	657358	0	0	0	0
chr25	657470	658950	0	0	0	0
chr25	662089	671262	6.76	9.7	12.27	8.58
chr25	671406	676750	0.01	0.9	0	0
chr25	677141	680213	53.77	10.61	36.93	10.64
chr25	682270	684733	0	0	14.32	8.69
chr26	376	4427	0	0	0	0
chr26	4497	5380	22.5	11.89	4.39	11.44
chr26	6891	8773	0	0	0	0
chr26	8780	10843	5.84	38.97	0	0
chr26	10855	13715	0	0	0	0
chr26	13767	20499	2381.77	24.38	210.5	26.01
chr26	20629	27686	28.28	7.14	5.63	6.93
chr26	27708	38326	0.46	1.01	1.72	4.82
chr26	39551	46054	98.57	16.99	0.93	7.27
chr26	46416	48560	0	0	0	0
chr26	48828	52196	3.85	6.5	3.4	10.42
chr26	52260	54295	40.45	39.36	37.25	42.21
chr26	54468	59737	0	0	0	0
chr26	59738	62316	0	0	0	0
chr26	63327	67109	17.18	17.72	15.44	14.86
chr26	67232	70436	0	0	1.39	13.76
chr26	70437	73459	2.59	4.04	2.63	3.81
chr26	73854	75022	0	0	0	0
chr26	75023	81352	42.5	2.24	4.56	13.3
chr26	83563	86278	29.92	5.52	13.12	22.84
chr26	86826	91370	31.23	21.1	10.19	20.95
chr26	93365	96143	7.69	7.81	6.03	23.43

chr26	96286	97734	12.12	22.44	0	0
chr26	98047	99527	0	0	0	0
chr26	99882	102134	10.13	27.44	5.3	20.38
chr26	102135	103529	0.14	14.35	0	0
chr26	103637	104731	0	0	19.65	56.22
chr26	105103	106836	0	0	0	0
chr26	107158	110913	9.77	13.74	12.63	13.74
chr26	110914	116143	0	0	0	0
chr26	116285	117066	0	0	0	0
chr26	117920	124222	0	0	8.69	11.35
chr26	124253	129321	0	0	1.47	4.42
chr26	131042	135779	0.01	0.4	1.56	7.05
chr26	136074	138843	0	0	0	0
chr26	138844	143472	16.79	13.18	17.83	34.62
chr26	143473	149728	27.09	21.87	17.63	16.8
chr26	156528	168172	0	0.27	0.01	0.18
chr26	168269	173574	12.11	15.72	13.63	10.88
chr26	174330	176788	0	0	0	0
chr26	176834	179877	6.88	11.04	8.92	8.71
chr26	179892	184923	0	0	0	0
chr26	184961	187184	50.2	34.55	22.37	32.16
chr26	187220	192898	0	0	0.04	3.95
chr26	192975	194557	9.54	26.74	10.83	50.82
chr26	195214	204716	27.21	5.73	16.92	12.81
chr26	204717	210504	61.24	48.8	46.08	41.63
chr26	210765	211928	0	0	0	0
chr26	211993	214249	0	0	0	0
chr26	215139	215864	0	0	0	0
chr26	216591	217091	0	0	0	0
chr26	217780	218847	13.02	52.95	15.7	19.49
chr26	219461	225013	1.07	10.23	0.81	6.93
chr26	227323	230515	2.31	6.77	0	0
chr26	230690	237612	0	0	0	0
chr26	238187	242547	0	0	0	0
chr26	242624	242911	0	0	0	0
chr26	242964	244418	3.62	26.96	0	0
chr26	244831	248649	143.06	29.83	165.43	33.42
chr26	249102	250583	0	0	0	0
chr26	251104	254543	23.46	11.34	19.59	11.28
chr26	254904	257179	0	0	0.15	2.59
chr26	257221	258030	2.04	24.47	0.19	14.59
chr26	258786	260240	0	0	7.1	16.99
chr26	261600	262084	0	0	0	0
chr26	262245	263762	76.11	49.24	27.7	51.62
chr26	265537	274153	86.48	19.07	73.12	18.06
chr26	274154	279757	0	0	0	0
chr26	280023	282121	3.48	24.02	17.34	32.41
chr26	282311	283602	0	0	0.02	2.4
chr26	283603	285984	25.45	12.39	5.09	16.21
chr26	285985	290535	1.72	6.95	4.92	8.81
chr26	292633	297542	0.41	4.34	3.06	9.98
chr26	297815	303628	1.62	8.62	3.29	9.22
chr26	304185	306840	11.06	16.69	0	0
chr26	306847	308312	0	0	1.31	8.46
chr26	308329	312965	8.87	12.51	4.01	10.31
chr26	312992	317753	4.8	12.88	6.76	18.02
chr26	317815	320237	0	0	0	0
chr26	320684	321823	0	0	0	0
chr26	322267	325445	10.24	12.27	7.38	15.29
chr26	325895	327176	0	0	0	0
chr26	327717	336578	514.15	47.35	493.92	55.56
chr26	337023	342270	52.15	9.83	10.97	8.46
chr26	343566	345662	32.95	39.31	27.75	43.65
chr26	346739	352179	17.42	7.24	22.06	19.1
chr26	352627	359420	51	26.26	41.57	33.87

chr26	359552	361546	0.39	3.21	1.02	3.21
chr26	361778	363517	8.29	4.66	0	0
chr26	363629	366560	65.79	59.02	177.25	63.46
chr26	366564	369320	71.55	51.2	68.27	47.68
chr26	369383	371039	0.08	7.61	0	0
chr26	371174	373735	168.73	3.98	165.54	3.67
chr26	373739	379086	8.5	9.84	12.85	15.32
chr26	379087	381315	197.25	56.73	114.37	67.73
chr26	382421	383943	37.63	59.2	292.17	71.16
chr26	383944	386954	19.62	25.91	12.61	30.56
chr26	386957	389556	6.7	19.82	5.31	18.97
chr26	389644	395055	6.87	8.8	3.59	12.03
chr26	395476	396490	58.11	39.55	64.9	37.57
chr26	396746	403647	100.06	34.24	125.72	36.42
chr26	404373	408122	0	0	0	0
chr26	410591	412129	160.6	72.89	229.19	81.47
chr26	413244	415173	0	0	0.96	12.75
chr26	415466	417815	30.08	14.56	23.55	10.81
chr26	417876	420452	8.85	19.88	1.32	12.58
chr26	420534	426625	2.37	21.87	10.27	37.5
chr26	426880	430267	0	0	0	0
chr26	430841	432282	21.25	43.58	2.97	19.57
chr26	434149	436242	27.43	40.8	9.38	9.32
chr26	436428	437579	0	0	3.74	22.33
chr26	438311	440199	0	0	6.68	25.69
chr26	441670	442413	11.62	23.96	10.42	23.96
chr26	443386	445718	0	0	0	0
chr26	446270	447135	0.88	35.49	51.82	57.23
chr26	447233	448036	21.41	78.21	130.97	82.57
chr26	448861	452484	0	0	0.48	3.75
chr26	453173	463712	0	0	0	0
chr26	464023	467823	24.28	23.13	10.03	7.08
chr26	467857	469834	85.55	42.79	27.39	36.42
chr26	469913	473794	0	0	0	0
chr26	473810	480068	6.67	4.2	1.1	4.2
chr26	481033	489062	0	0	0	0
chr26	489873	491116	11.92	7.48	33.71	18.02
chr26	491509	496100	25.55	10.26	58.66	20.34
chr26	496166	501457	0	0	0	0
chr26	502768	503208	0	0	0	0
chr26	503568	503978	0	0	0	0
chr26	505746	508066	0	0	0	0
chr26	511281	515200	4.26	11.25	0	0
chr26	515795	523707	0.2	3.55	0.33	1.88
chr26	523841	525646	0	0	0	0
chr26	525847	527659	0	0	0	0
chr26	528345	529723	18.93	36.72	5.96	46.15
chr26	531945	536288	0	0	0	0
chr26	539186	541165	0	0	0	0
chr26	541224	543083	0	0	2.1	10.01
chr26	544241	545578	0	0	0	0
chr26	546616	552854	0	0.32	0	0
chr26	554373	558096	0	0	0.03	1.56
chr26	559539	559849	0	0	0	0
chr26	560160	562630	0	0	0	0
chr26	562672	566391	0	0	0	0
chr26	568019	571561	0	0	0	0
chr26	571822	574660	735.54	34.46	568.68	33.79
chr26	574983	575273	0	0	0	0
chr26	576381	577325	0	0	0	0
chr26	578395	579457	0	0	0	0
chr26	580040	584541	0	0	0	0
chr26	586028	591333	0	0.36	2.99	6.82
chr26	592492	596574	1.93	4.48	0.01	0.66
chr26	598248	604789	0	0	0	0

chr26	606013	611856	28.88	30.34	13.12	14.29
chr26	612306	621584	0	0	1.93	3.03
chr26	623731	627548	0	0	0.28	2.54
chr26	628241	630630	0	0	2.25	21.68
chr26	630663	638243	0	0	0	0
chr26	638305	643705	10.65	14.81	13.22	11.83
chr26	643998	650038	118.93	35.53	73.22	31.49
chr27	414	3353	2.05	4.42	56.2	33.45
chr27	3462	6577	0.01	0.61	0.02	0.61
chr27	6928	14649	12.68	10.56	5.49	13.81
chr27	15089	17996	0.01	0.65	0	0
chr27	18578	20083	0	0	0	0
chr27	20734	23786	0	0	3.63	18.68
chr27	24453	24845	0	0	0	0
chr27	26932	28666	6.75	10.61	7.27	10.61
chr27	29089	30237	0	0	0	0
chr27	31523	34021	4	5.2	6.89	8.85
chr27	35450	41510	0	0	0	0
chr27	41823	43337	0	0	0	0
chr27	43441	44742	0	0	0	0
chr27	44927	45823	0	0	0	0
chr27	46479	54317	6.7	12.16	8.15	10.13
chr27	54840	61379	6.74	7.59	11.15	9.1
chr27	61472	65206	0	0	0	0
chr27	65747	68163	0	0	0	0
chr27	68586	72793	0	0	0	0
chr27	73250	74323	0	0	0.07	1.77
chr27	76578	81392	11.25	13.56	4.43	17.68
chr27	81651	84724	0	0	0.83	11
chr27	85293	87636	0.01	1.07	0	0
chr27	87708	89826	0	0	0	0
chr27	90745	98520	1.38	3.51	1.35	7.79
chr27	98679	103433	0	0	0	0
chr27	103499	106853	106.09	30.74	30.99	39.59
chr27	107508	110404	0	0	0	0
chr27	110420	113271	0	0	0.01	0.67
chr27	113323	118361	0	0	1.44	9.11
chr27	118410	123882	2.32	7.53	3.53	10
chr27	125870	127403	0.03	1.57	0	0
chr27	127583	138698	0.36	4.93	2.15	5.07
chr27	138699	147261	2.2	5.47	4.97	10.42
chr27	147262	151207	1.67	3.22	1.77	10.49
chr27	154537	156682	0	0	0	0
chr27	156691	159251	0	0	0	0
chr27	159912	164165	8.99	21.84	0	0
chr27	164172	165989	24.86	14.75	37.71	13.32
chr27	167479	171147	6.68	18.43	7.23	24.84
chr27	172690	175686	0	0	19.06	23.9
chr27	177571	181451	28.35	19.2	4.23	18.69
chr27	181460	183413	0	0	0	0
chr27	183703	190518	0.87	1.56	0.67	7.35
chr27	190549	190854	28.46	67.21	0.48	26.23
chr27	191632	194304	0	0	0	0
chr27	195255	197396	0	0	0	0
chr27	198341	198784	0	0	0	0
chr27	198794	203584	0	0	0	0
chr27	204811	207973	0	0	0	0
chr27	208422	213410	0.3	9.78	0.68	9.06
chr27	213470	214630	0	0	0	0
chr27	215326	219310	0	0	0	0
chr27	219916	222383	101.35	44.18	64.79	49.09
chr27	222390	229990	30.6	8.47	30.09	3.46
chr27	230015	241966	4.43	3.66	20.47	9.46
chr27	241967	244647	57.77	30.15	16.48	22.01
chr27	245516	249660	2.77	4.34	6.79	18.1

chr27	249670	255893	0.35	6.17	2.74	8.03
chr27	256499	257471	56.6	48.46	0	0
chr27	257817	258301	0	0	0	0
chr27	258345	259259	0	0	0	0
chr27	259390	260944	21.7	33.59	0	0
chr27	261762	263197	0.11	5.71	1.51	12.68
chr27	263391	263657	35.64	46.99	34.51	46.99
chr27	264501	267138	11.79	15.55	24.62	31.55
chr27	267784	270955	0	0	0	0
chr27	270956	276119	9.39	10.75	0	0
chr27	276460	278144	27.25	14.37	10.83	14.25
chr27	278145	279692	0	0	3.03	22.11
chr27	280046	282062	44.05	60.12	5.89	44.39
chr27	282180	287267	0.49	3.16	0.69	3.16
chr27	287336	290427	0	0	0	0
chr27	290672	294994	3.32	5.97	0	0
chr27	295220	297472	0	0	6.74	18.65
chr27	297890	299749	7.23	28.29	13.5	28.29
chr27	300505	301342	0	0	0	0
chr27	301694	304355	0	0	0	0
chr27	304424	307856	0	0	247.57	11.07
chr27	308167	310522	179.09	49.13	203.01	55.41
chr27	310523	314433	624.61	39.8	758.24	42.76
chr27	314434	319861	3.34	9.45	0.76	7.74
chr27	319976	322263	0	0	0	0
chr27	322278	329437	14.77	16.71	23.43	29.53
chr27	329456	331771	0	0	1.29	12.31
chr27	332071	334643	26.96	17.19	5.97	7.78
chr27	334662	335359	33.03	49.78	18.41	59.11
chr27	335949	337316	191.14	87.34	169.83	94.73
chr27	337816	340200	0	0	0.42	4.66
chr27	340488	343050	16.64	22.68	6.04	11.51
chr27	343985	345855	0	0	0	0
chr27	345859	353433	11.29	9.66	16.76	11.66
chr27	353635	358932	6.61	15.8	13.83	14.35
chr27	359469	363207	0	0	0	0
chr27	363358	364526	181.13	58.65	132.63	44.69
chr27	364905	365522	0.06	3.08	0	0
chr27	365796	366555	38.95	50.59	0	0
chr27	367095	369368	0	0	0	0
chr27	369371	370438	22.24	25.49	263.07	26.43
chr27	370636	372500	291.93	60.25	85.32	46.94
chr27	372941	373566	0	0	0	0
chr27	373981	375600	0	0	0	0
chr27	375843	378189	8.84	9.46	1.95	9.46
chr27	379381	384938	331.82	26.53	321.66	27.37
chr27	384994	391128	27.27	19.16	12.99	25.89
chr27	391153	398118	0	0	0	0
chr27	401082	407888	0	0	0	0
chr27	408012	408503	0	0	0	0
chr27	412220	412621	0	0	0	0
chr27	412658	413359	0	0	0	0
chr27	413484	413953	0	0	0	0
chr27	414438	415216	0	0	0	0
chr27	416418	419055	0	0	0	0
chr27	419374	421109	0	0	0	0
chr27	421150	424231	0	0	0.01	1.1
chr27	424501	428330	0	0	0	0
chr27	428573	431234	25.71	26.19	68.64	28.07
chr27	431818	434086	17.46	21.78	18.32	34.96
chr27	434586	440204	128.9	43.81	114.24	42.56
chr27	441045	445807	0	0	1.44	7.96
chr27	445823	449869	0	0	0	0
chr27	451052	452043	0.1	4.84	0	0
chr27	453382	459784	0.01	0.77	3.26	6.97

chr27	459974	461348	0	0	0	0
chr27	461649	466999	0.01	0.79	0	0
chr27	467118	469745	0	0	0	0
chr27	470431	475116	0	0	0	0
chr27	475281	475612	0	0	0	0
chr27	475791	480951	0.83	1.98	3.76	20.99
chr27	482071	488591	30.03	14.62	7.87	9.52
chr27	489001	494455	0	0	0	0
chr27	495512	497600	0	0	5.03	9.67
chr27	498085	501276	27.4	33.72	11.35	13.73
chr27	501830	503114	0	0	0	0
chr27	503441	503809	0	0	0	0
chr27	503950	508518	0	0	0	0
chr27	509515	512427	0.05	0.69	0	0
chr27	513421	515021	0	0	0	0
chr27	516359	518206	0	0	0	0
chr27	518208	523052	26.16	22.03	32.69	29.79
chr27	525310	528041	0	0	0	0
chr27	530991	538888	6.16	22.02	7.52	29.97
chr27	539717	543822	0	0	0	0
chr27	544224	548233	0	0	0	0
chr27	548245	551265	0	0	0.79	11.59
chr27	552799	553900	223.42	52.86	106.25	53.41
chr27	554295	556914	0	0	0	0
chr27	557305	558584	0	0	3.62	17.36
chr27	560507	564025	0	0	4.61	14.21
chr27	564725	566701	54.61	59.06	68.79	64.73
chr27	568845	576439	65.54	24.14	83.71	22.32
chr27	577353	582845	0	0	0	0
chr27	583310	584808	72.1	34.05	111.86	54.74
chr27	586753	588570	0	0	2.78	7.26
chr27	588752	591031	0.9	8.78	0.02	0.88
chr27	591179	594897	0	0	0	0
chr27	596320	598169	0	0	0	0
chr27	598926	603292	8.17	29.62	7.76	26.87
chr27	603863	615547	0.46	1.85	0.13	0.72
chr27	616212	616421	0	0	0	0
chr27	616473	617052	0	0	0	0
chr27	617624	618402	0	0	0	0
chr27	618932	622835	11.88	26.11	19.65	45.99
chr27	622972	636491	0	0	0	0
chr28	294	465	0	0	0	0
chr28	1576	5344	5.29	16.32	8.46	26.19
chr28	5517	14979	12.4	12.78	8.32	11.65
chr28	15574	17860	12.02	6.12	10.41	6.04
chr28	17893	18541	507.91	35.49	186.7	35.49
chr28	18774	39636	6.1	6.65	10.61	6.52
chr28	40662	41948	149.78	20.06	42.09	35.07
chr28	42231	47284	4.87	11.12	0.61	10.23
chr28	47569	51148	3.55	5.76	3.69	5.78
chr28	51149	56448	0	0	0	0
chr28	56620	57588	0	0	0	0
chr28	58653	58940	0	0	0	0
chr28	60376	65535	3.88	3	5.81	6.8
chr28	65606	69889	0	0	0	0
chr28	69901	72668	1.7	7.44	2.01	7.66
chr28	73607	76265	0	0	0	0
chr28	76556	78582	22.51	10.76	10.13	9.23
chr28	79333	81587	25.38	13.13	26.83	20.14
chr28	82546	82963	0	0	0	0
chr28	84035	86502	0	0	0	0
chr28	88007	90636	0	0	0	0
chr28	91386	96459	32.75	19.36	10.01	17.54
chr28	97949	100104	0	0	0	0
chr28	100524	103127	0	0	0	0

chr28	104090	105704	0	0	0	0
chr28	106329	109148	0	0	0	0
chr28	109149	115717	8.19	7.55	1.38	11.66
chr28	116427	119588	27.24	14.27	11.94	16.74
chr28	121042	128996	0	0	0	0
chr28	129194	129575	0	0	0	0
chr28	129873	130545	72.36	53.72	92.85	51.49
chr28	131319	133245	0	0	3.47	7.53
chr28	137111	143084	0	0	5.27	4.4
chr28	143671	147340	0	0	0.07	7.22
chr28	147341	149445	0	0	0	0
chr28	149482	151486	0	0	8.58	31.14
chr28	153090	154958	570.34	85.81	436.56	69
chr28	156493	160730	3.16	9.09	17.95	26.53
chr28	161296	163746	0	0	0	0
chr28	164756	171589	0	0	2.23	3.82
chr28	171638	172273	0	0	0	0
chr28	172882	173603	0	0	0	0
chr28	174074	174773	58.22	82.69	64.51	85.26
chr28	174877	176527	0	0	0	0
chr28	176792	178322	0	0	0	0
chr28	179156	180507	38.63	81.27	22.04	42.41
chr28	181007	185115	0	0	0	0
chr28	186068	187319	0	0	0	0
chr28	187902	191081	0	0	0	0
chr28	192252	196184	0	0	0	0
chr28	196759	197233	0	0	0	0
chr28	198798	201529	0	0	1.3	8.02
chr28	201671	203342	0	0	0	0
chr28	203345	208816	0	0	0	0
chr28	208824	210882	0	0	0	0
chr28	211638	214838	75.98	22.75	46.2	34.84
chr28	216135	218112	11.01	13.35	20.16	11.84
chr28	218916	221595	13.45	22.81	29.39	7.13
chr28	221634	224796	0	0	3.27	18.44
chr28	224797	226965	0	0	0	0
chr28	227533	230597	0	0	0	0
chr28	230685	234112	18.05	16.69	6.64	27.9
chr28	234113	236267	13.14	31.52	26.42	48.42
chr28	236410	241856	0.01	0.35	9.75	10.76
chr28	242564	245841	0	0	1.94	7.42
chr28	246504	247471	0	0	0	0
chr28	247497	248990	0	0	0	0
chr28	250497	253815	11.44	10.91	9.46	18.11
chr28	254242	255689	37.45	8.43	8.36	15.96
chr28	255715	257370	40.31	32.08	7.23	25.14
chr28	257844	258975	35.16	66.67	48.29	67.2
chr28	259172	261322	22.65	22.33	16.41	16.19
chr28	261618	265512	0	0	0	0
chr28	265654	266972	0.03	1.52	0	0
chr28	267078	268985	0	0	0	0
chr28	271556	275557	10.94	16.05	19.84	15.5
chr28	276160	279012	97.61	36.43	76.95	19.71
chr28	279680	281149	35.92	37.78	14.41	24.44
chr28	282368	287851	10.48	14.96	22.97	17.29
chr28	288184	290661	0	0	0	0
chr28	291438	292350	0.79	2.08	0.43	10.64
chr28	294665	298370	34.47	16.98	3.77	10.55
chr28	299020	300379	7.75	8.09	6.03	7.65
chr28	300538	301335	24.55	31.62	17.45	98.75
chr28	301443	303518	18.78	29.3	9.87	32.53
chr28	303733	305776	14.4	21.88	38.53	48.6
chr28	305968	306448	0	0	0	0
chr28	306576	307784	160.49	62.91	26.54	75.41
chr28	308076	310166	50.64	38.76	50.98	37.85

chr28	310699	312368	6.6	6.41	15.74	6.35
chr28	312642	317824	0	0	0	0
chr28	317871	320274	0	0	0.15	3.08
chr28	320946	322703	0	0	0	0
chr28	323153	323986	20.14	31.21	0.39	27.97
chr28	324777	326266	59.05	34.05	650.88	32.57
chr28	326916	330344	0	0	28.25	6.01
chr28	332628	335084	4.04	3.58	0	0
chr28	335699	337938	0	0	21.61	38.81
chr28	337939	339003	0	0	0	0
chr28	339103	343238	0.01	0.46	0.01	1.4
chr28	343393	344650	0	0	0	0
chr28	344945	347546	7.2	16.96	9.27	16.96
chr28	348014	350011	0	0	0	0
chr28	350222	350488	0	0	0	0
chr28	351910	352485	0	0	0	0
chr28	352486	357059	4.2	6.17	11.34	17.38
chr28	357060	361450	0	0	0	0
chr28	361811	367454	0	0	0	0
chr28	367743	370631	0	0	0.1	10.39
chr28	370743	372774	0.23	12.31	0	0
chr28	372814	376766	3.53	10.43	0.09	2.05
chr28	377188	379554	1.88	7.14	0.59	7.14
chr28	379910	384873	0	0	0	0
chr28	385292	394972	4.64	11.76	0.49	4.4
chr28	396142	400587	0	0	0	0
chr28	400916	403244	2.26	6.23	0	0
chr28	403321	407697	0.88	8.5	0.02	1.9
chr28	407805	409393	0	0	0	0
chr28	410252	418995	0	0	0	0
chr28	419101	421349	0	0	0	0
chr28	421745	424038	0	0	3.74	27.3
chr28	425104	430431	0	0	1.85	5.07
chr28	431381	432347	0	0	0	0
chr28	433036	434930	0	0	0	0
chr28	435015	441656	14.98	7.11	18.01	21.07
chr28	441672	444278	0	0	0	0
chr28	444513	447003	0	0	0	0
chr28	447765	453109	5.8	15.44	4.51	13.64
chr28	454227	455529	0	0	0	0
chr28	455930	458360	0	0	0	0
chr28	458396	463140	9.36	17.01	1.19	14.33
chr28	463531	469136	26.53	15.72	17.89	23.94
chr28	469511	470836	0	0	0	0
chr28	471085	475396	0	0	8.7	16.03
chr28	476512	481670	4.16	4.75	3.31	8.1
chr28	481686	486387	0.06	2.66	3.04	22.31
chr28	486778	490871	33.52	14.41	22.74	19.72
chr28	492216	496034	0	0	0	0
chr28	496347	498269	0	0	1.49	6.14
chr28	498579	499578	0	0	12.97	36.94
chr28	501669	504593	0	0	2.45	24.76
chr28	505850	506062	0	0	0	0
chr28	506466	506971	0	0	0	0
chr28	507128	508958	0.02	1.04	0	0
chr28	509701	513708	0	0	0	0
chr28	514007	514857	23.87	17.76	33.94	30.12
chr28	514945	515281	0	0	4.7	33.04
chr28	515699	518266	0	0	1.5	3.78
chr28	518766	523148	0	0	0	0
chr28	523295	524656	0	0	0	0
chr28	525220	526261	0	0	0	0
chr28	527286	528607	0.06	1.51	0	0
chr28	530183	532578	155	54.32	251.39	54.41
chr28	533430	537297	0.05	0.54	0.55	10.99

chr28	539399	541425	0.02	1.68	0	0
chr28	541647	544827	0	0	0	0
chr28	545102	547278	0	0	0	0
chr28	547289	550006	0	0	0	0
chr28	550785	552405	0	0	0	0
chr28	553345	565488	0.01	0.28	0	0
chr28	565566	570226	0	0	0.8	7.02
chr28	571606	574128	0.29	3.05	6.13	19.98
chr28	574276	581589	84.22	34.46	63.4	33.04
chr28	581596	584198	0	0	0	0
chr29	3154	3863	3.95	26.09	30.47	71.09
chr29	6085	9855	9.27	13.93	11.54	32.97
chr29	10081	13242	4.6	16.93	8	13.16
chr29	13570	16883	0.01	0.6	0	0
chr29	18916	19471	0	0	0	0
chr29	19684	26478	0.65	2.94	0	0
chr29	27216	36040	3.27	4.68	1.3	1.81
chr29	37210	38242	0	0	0	0
chr29	39054	42968	2.06	11.98	13.34	20.03
chr29	43375	44356	0	0	0	0
chr29	44357	55381	5.51	15.62	3.93	13.49
chr29	55382	61001	97.93	20.2	62.32	19.49
chr29	61565	64519	0	0	41.37	5.72
chr29	67975	68523	4.17	32.12	0	0
chr29	68553	75916	0.38	0.98	0	0
chr29	76235	77313	0	0	0	0
chr29	77379	78168	0	0	0	0
chr29	78597	80601	0	0	0	0
chr29	80874	86862	164.65	41.65	215.56	41.75
chr29	88355	91093	2.84	4.2	1.53	4.2
chr29	91311	94412	15.56	22.7	15.51	23.09
chr29	94602	99481	0	0	0	0
chr29	101175	104762	0	0	0	0
chr29	107231	112475	0	0	0	0
chr29	113088	117046	0	0	0.01	0.51
chr29	117071	119779	0	0	0	0
chr29	120029	124381	0	0	0	0
chr29	125414	128728	0	0	0	0
chr29	129158	138380	1.53	7.74	2.81	10.12
chr29	138468	151790	38.53	14.27	10.27	11.6
chr29	152280	154435	0	0	0	0
chr29	154449	157884	0	0	0	0
chr29	157885	159060	0	0	0	0
chr29	159070	161001	0	0	0	0
chr29	161405	162396	3.81	35.72	2.98	6.36
chr29	162893	167345	5.55	4.18	3.27	9.37
chr29	167346	169985	894.75	49.72	859.06	40.02
chr29	170568	171710	0	0	0	0
chr29	171827	174308	0	0	0	0
chr29	174332	176954	0	0	0	0
chr29	177796	180723	22.16	16.64	7	17.9
chr29	181417	183456	0	0	0	0
chr29	184236	185806	0	0	0	0
chr29	186711	188394	0	0	0	0
chr29	188461	192705	5.92	8.44	0	0
chr29	193357	196558	5.59	13.4	0.99	21.09
chr29	198583	205588	6.2	2.84	4.1	2.84
chr29	205590	208844	3.6	7.99	1.37	7.96
chr29	209841	210620	0	0	0	0
chr29	211373	212761	0	0	0.15	12.9
chr29	213605	215413	0	0	0	0
chr29	218152	221336	0	0	0	0
chr29	221861	223712	34.62	23.34	0.13	6.75
chr29	223869	228231	0	0	0	0
chr29	228495	230566	0	0	6.52	18.98

chr29	230619	237042	0.21	0.79	0.11	0.79
chr29	238838	240568	235.59	46.47	160.48	44.8
chr29	240585	242454	0	0	0	0
chr29	243243	244592	2.1	13.05	0	0
chr29	246030	247587	0	0	0	0
chr29	248989	255735	0	0	0	0
chr29	255785	260768	4.27	3.03	1.21	3.05
chr29	260943	266343	11.77	20.41	19.8	23.59
chr29	266344	268825	1.44	10.68	0	0
chr29	268839	270436	0	0	0	0
chr29	270517	274394	12.5	5.6	0	0
chr29	274537	274929	0	0	0	0
chr29	275442	276654	9.75	9.08	24.08	8.99
chr29	276825	281249	2.75	3.21	0	0
chr29	284454	284666	0	0	0	0
chr29	285977	288591	0	0	0	0
chr29	289519	296920	0	0	0	0
chr29	296929	297744	0	0	0	0
chr29	297919	298170	34.75	51.79	10.19	93.23
chr29	298558	299388	0	0	0	0
chr29	299442	302038	0	0	0	0
chr29	302187	304974	0	0	0	0
chr29	304975	306432	3.27	21.76	12.88	21.76
chr29	306683	306997	0	0	40.78	100
chr29	307007	310842	0	0	1.11	1.2
chr29	311108	312478	0	0	4.54	46.28
chr29	312871	314685	0.29	15.05	0	0
chr29	314708	316544	0	0	0	0
chr29	316555	319908	0	0	0	0
chr29	319919	323830	0	0	0	0
chr29	324007	325731	10.3	9.34	0	0
chr29	325745	328797	8.48	4.39	10.08	4.42
chr29	328947	331543	3.29	28.7	5.29	14.64
chr29	331864	335882	21.89	23.2	26.54	27.63
chr29	336696	340464	0	0	0	0
chr29	340642	342747	4.06	7.36	5.49	12.83
chr29	342792	346658	1.61	5.23	0	0
chr29	346805	348656	0	0	9.19	5.94
chr29	350262	351734	0	0	0	0
chr29	353257	353523	0	0	0	0
chr29	353696	353929	25.34	100	0	0
chr29	354723	359068	3.84	5.85	0	0
chr29	360024	362245	18.71	21.57	19.86	42.59
chr29	362496	364014	0.05	1.25	0	0
chr29	364676	365737	27.88	20.83	21.63	11.88
chr29	366277	367344	0	0	2.22	14.81
chr29	367684	368595	0	0	0	0
chr29	369065	371051	8.05	11.23	3.44	15.86
chr29	371777	374002	0	0	0	0
chr29	374476	377881	0	0	0	0
chr29	378146	380335	0	0	0	0
chr29	380529	385710	0.01	0.68	0	0
chr29	385752	387762	0	0	0	0
chr29	388641	390608	0	0	2.17	16.32
chr29	390749	392555	0	0	0	0
chr29	392557	394663	32.19	30.77	14.25	26.78
chr29	395266	395717	40.51	55.88	0	0
chr29	395912	399427	0	0	17.68	14.31
chr29	399656	401656	0	0	0	0
chr29	402245	403822	0	0	0.03	1.33
chr29	403915	404958	49.41	20.42	55.69	20.52
chr29	406226	407900	1132.18	39.84	25.11	36.86
chr29	408522	409465	0	0	0	0
chr29	409759	412645	0	0	0	0
chr29	413300	413916	0	0	0	0

chr29	414690	415511	0.14	2.31	0	0
chr29	415943	418064	0	0	0	0
chr29	418987	420453	10.95	31.31	23.47	32.54
chr29	421474	434511	19.75	11.72	9.59	12.04
chr29	434512	435548	58.65	26.35	3.7	25
chr29	437094	448287	4.36	3.83	2.08	5.09
chr29	451205	451973	0	0	0	0
chr29	453722	454168	0	0	0	0
chr29	455974	457891	250.95	82.47	173.21	66.3
chr29	458102	460562	1238.92	61.83	1513.74	61.83
chr29	462376	465470	3885.51	51.65	2764.4	54.2
chr29	465603	467542	12.03	14.29	7.79	48.01
chr29	468086	468905	37.11	56.41	36.37	27.35
chr29	469285	470840	0.04	3.73	0	0
chr29	471118	475839	23.75	16.5	7.12	17.96
chr29	476159	479424	43.84	34.92	11.94	13.05
chr29	479449	480542	114.87	37.88	96.41	37.79
chr29	480598	482231	0.68	6.37	17.41	22.78
chr29	482410	483153	197.24	78.06	0	0
chr29	483167	486968	1.61	1.84	0	0
chr29	487514	493199	0	0	0	0
chr29	493708	496975	0	0	0	0
chr29	499221	501888	7.8	10.05	0	0
chr29	501908	505347	4.99	16.02	4.65	17.39
chr29	505370	511573	1.51	2.55	0	0
chr29	511681	513933	0	0	0	0
chr29	514821	517203	721.68	55.58	1011.98	57.05
chr29	518016	519857	11.78	12.98	35.98	32.43
chr29	521421	523553	0	0	0	0
chr29	524833	526988	0	0	1.83	19.77
chr29	527466	529322	9.31	12.61	1.12	18.53
chr29	529807	535716	0.03	0.32	1.29	13.2
chr29	536631	539411	0	0	0	0
chr29	539441	540869	3.59	33.19	0.5	10.43
chr29	544979	547338	0	0	0	0
chr29	547909	551432	263.2	22.03	66.41	23.28
chr29	551456	555598	26.65	11.03	12.74	16.56
chr29	556245	560855	0	0	0	0
chr29	560879	562820	0	0	0	0
chr29	563108	567188	5.13	2.38	1.23	1.81
chr29	567189	574829	12.9	14.35	7.01	11.45
chr29	574830	580930	2.38	3.54	0.2	3.52
chr30	578	4958	0	0	0	0
chr30	7651	9171	0	0	0	0
chr30	9452	11397	1.49	15.78	1.56	13.16
chr30	11410	13617	0	0	0	0
chr30	19466	20786	0	0	0	0
chr30	27934	28905	0	0	0	0
chr30	29559	30843	0	0	0	0
chr30	33953	35886	0	0	0	0
chr30	38558	40366	0	0	0	0
chr30	46155	49301	0	0	0	0
chr30	50013	50816	0	0	0	0
chr30	59860	61904	2.44	5.14	0.25	3.13
chr30	64135	66381	5.29	10.02	7.96	10.11
chr30	66635	68350	0	0	0	0
chr30	68361	72821	51.68	38.77	17.16	27.02
chr30	73736	74822	0.06	6.35	0.04	4.42
chr30	77251	78334	0.03	3.05	0	0
chr30	80757	81850	0.03	3.29	0	0
chr30	84985	85290	0	0	0	0
chr30	86150	89008	0	0	0	0
chr30	90174	91830	0	0	0.02	1.15
chr30	95495	98297	0	0	0	0
chr30	101992	106321	0	0	0.99	14.67

chr30	108214	109229	0	0	0	0
chr30	109700	112238	0	0	0	0
chr30	112350	112684	0	0	0	0
chr30	112867	113906	0	0	0	0
chr30	116205	118798	0	0	0	0
chr30	119709	119921	0	0	0	0
chr30	120914	125192	0	0	0	0
chr30	126987	129367	17.96	14.41	10.54	9.12
chr30	130570	132314	0	0	0	0
chr30	132401	135859	0.19	3.3	2.98	11.25
chr30	137394	156806	2.54	8.2	3.53	10.04
chr30	156890	161834	50.87	24.21	74.8	36.77
chr30	162098	165924	22.08	17.04	19.21	21.72
chr30	165938	171776	48.77	19.01	30.36	18.12
chr30	171794	178840	1.82	5.69	7.91	9.52
chr30	178841	181114	237.34	39.95	234.32	59.13
chr30	181130	182241	0.62	5.67	0	0
chr30	182253	184417	0	0	0	0
chr30	184418	190126	16.89	20.22	4.7	11.56
chr30	190228	193802	237.72	42.84	231.95	43.37
chr30	194413	197939	41.67	22.75	51.26	36.39
chr30	198088	200117	0	0	0	0
chr30	200573	201272	12.14	25.61	0.17	8.58
chr30	201710	204962	19.33	14.02	44.92	19
chr30	205292	207585	0	0	0	0
chr30	207970	209787	67.1	15.47	65.9	15.35
chr30	210156	212752	4.07	10.32	3.41	10.55
chr30	213863	214801	0	0	0	0
chr30	215897	220876	14.49	10.14	25.25	21.99
chr30	222278	225052	7.78	16.33	0.03	0.68
chr30	225266	228794	0	0	0	0
chr30	229028	230953	94.71	45.25	11.55	35.48
chr30	231005	236970	0	0	0.02	2.03
chr30	237952	241206	0	0	0	0
chr30	241355	243493	0.16	0.61	14.09	17.96
chr30	244283	246915	1.68	3.08	3.21	10.98
chr30	247305	247898	4.66	24.11	0	0
chr30	248977	251922	0	0	0	0
chr30	251959	252793	0	0	0	0
chr30	252880	255044	0	0	0	0
chr30	256271	259093	0	0	0	0
chr30	259097	261510	0.05	0.99	5.12	17.16
chr30	261534	262754	0	0	0	0
chr30	262755	265481	0	0	0	0
chr30	268271	272667	8.64	27.71	21.05	29.16
chr30	272668	279385	0.97	4.93	5.27	10.91
chr30	279484	280739	0	0	1.4	8.84
chr30	281528	282646	19.5	33.18	1.86	11.9
chr30	283121	288325	0	0	0	0
chr30	289474	294064	2.53	9.24	4.43	10.15
chr30	294121	294711	0	0	0	0
chr30	296020	299648	0.07	2.48	0.77	4.36
chr30	300173	301027	0	0	0	0
chr30	302278	307092	0.04	3.61	11.89	17.01
chr30	307804	314895	4.18	10.9	1.08	7.57
chr30	316765	319642	1.2	9.7	1.96	9.45
chr30	320431	322838	0	0	0	0
chr30	322895	329487	0	0	0	0
chr30	329754	332264	0	0	0	0
chr30	337274	339430	0	0	0	0
chr30	339466	342510	0	0	0	0
chr30	344196	351374	1.09	2.61	6.81	10.71
chr30	352270	353701	0	0	0	0
chr30	354049	355912	0	0	0	0
chr30	356018	363330	0	0	0	0

chr30	363908	367580	0.06	0.54	0	0
chr30	368327	369589	0	0	0	0
chr30	369603	372338	0	0	0	0
chr30	373667	379504	15.67	15.16	8.17	15.38
chr30	380669	385022	12.81	17.94	15.24	17.94
chr30	385310	386286	0	0	12.83	57.27
chr30	387034	389102	0.56	6.91	1.38	11.12
chr30	389392	392309	0	0	0	0
chr30	393740	396501	3.3	13.29	6.3	14.96
chr30	396566	400627	0	0	0	0
chr30	400628	407266	3.4	8.56	1.8	7.53
chr30	407267	414836	0.07	0.25	0.01	0.25
chr30	415053	417661	0	0	0	0
chr30	417974	422291	0	0	0	0
chr30	422365	422727	0	0	0	0
chr30	423166	425830	0	0	0	0
chr30	426474	428983	0	0	0	0
chr30	429798	430200	0	0	0	0
chr30	430249	432387	76.36	42.84	79.78	53.04
chr30	433843	434688	0	0	0	0
chr30	434706	435506	0	0	0	0
chr30	436284	444749	1.6	3.15	1.94	3.51
chr30	446911	450363	0	0	0	0
chr30	450684	452066	0	0	0	0
chr30	452477	461716	2.73	6.87	1.63	6.25
chr30	462384	463196	0	0	0	0
chr30	463252	468294	0	0	0.02	0.4
chr30	469263	476731	0.01	0.74	0.01	0.25
chr30	477518	479900	0	0	0	0
chr30	480610	483961	0	0	0	0
chr30	485956	490949	0	0	0	0
chr30	491288	495885	0	0	0	0
chr30	497542	501751	0	0	2.49	6.32
