

Table S4. Regions with significant Asx1 binding by anti-Asx1 ChIP-Seq

Chr	Start	End	Length	Summit	Tags	-10*Log10 (p-value)	Fold enrichment	FDR
			<i>bp</i>					%
chr1	4797505	4798435	931	475	39	124.27	9.52	0.07
chr1	4847475	4848084	610	238	38	134.15	8.46	0.08
chr1	6204183	6205467	1285	478	59	118.18	7.78	0.07
chr1	7387875	7388809	935	480	35	114.56	7.55	0.06
chr1	9737285	9739035	1751	1316	72	119.52	5.69	0.07
chr1	9787479	9788421	943	499	34	86.95	8.09	0.07
chr1	9933706	9934596	891	523	34	81.74	7.69	0.1
chr1	10027268	10028648	1381	805	55	115.13	5.15	0.06
chr1	10029448	10030430	983	460	39	125.93	9.16	0.07
chr1	13362319	13364679	2361	722	104	236.36	8.09	0
chr1	13649909	13651068	1160	695	48	79.27	6.89	0.1
chr1	14299570	14300391	822	361	30	99.21	8.74	0.08
chr1	16094110	16096357	2248	1756	95	180.63	5.73	0
chr1	16608703	16609871	1169	688	55	97.67	5.3	0.08
chr1	16654930	16655941	1012	465	49	114.11	6.15	0.06
chr1	21068741	21069957	1217	772	58	208.36	10.62	0
chr1	33870803	33871585	783	509	31	84.41	6.81	0.06
chr1	34489627	34490278	652	458	23	70.41	5.56	0.16
chr1	34491020	34492119	1100	736	56	168.74	10.02	0.06
chr1	34495745	34497174	1430	499	72	137.61	7.53	0.09
chr1	34529257	34530327	1071	499	47	90.66	6.22	0.07
chr1	34898944	34900448	1505	831	65	140.64	6.68	0.09
chr1	34906313	34907891	1579	543	72	131.9	8.09	0.08
chr1	36320604	36321477	874	504	39	98.72	7.32	0.08
chr1	36327465	36330716	3252	2784	164	356.91	7.29	0
chr1	36363925	36365096	1172	713	59	109.46	6.47	0.06
chr1	36425537	36426241	705	446	28	77.83	7.66	0.12
chr1	36501693	36502367	675	272	27	92.46	8.14	0.07
chr1	36568198	36569096	899	536	43	129.71	9.61	0.08
chr1	36613219	36614195	977	339	43	141	7.53	0.09
chr1	36765829	36767150	1322	845	62	96.55	4.96	0.08
chr1	36996043	36997421	1379	845	62	100.65	5.3	0.08
chr1	37486512	37487676	1165	480	66	150.51	6.97	0.1
chr1	37921206	37922581	1376	507	66	131.71	5.39	0.08
chr1	37946858	37947795	938	416	37	106.19	9.14	0.06
chr1	38053501	38054932	1432	407	61	142.05	8.09	0.09
chr1	39424244	39425718	1475	539	57	99.54	5.73	0.08
chr1	39535050	39536169	1120	574	46	109.36	7.32	0.06
chr1	39592092	39593268	1177	563	61	96.44	6.19	0.08
chr1	39632048	39634852	2805	2361	141	146.58	4.15	0.09
chr1	40847281	40848009	729	301	25	78.42	5.93	0.12

chr1	43154899	43156050	1152	771	47	103.77	6.62	0.06
chr1	43884127	43885229	1103	765	58	120.94	6.42	0.07
chr1	43990200	43991512	1313	453	58	81.98	5.22	0.1
chr1	44158857	44159551	695	356	23	70.46	8.09	0.16
chr1	44175231	44177296	2066	618	100	147.6	5.31	0.1
chr1	46909355	46911335	1981	878	99	213.46	6.85	0
chr1	51534589	51535860	1272	646	82	191.16	10.37	0
chr1	52289047	52290653	1607	1039	88	177.87	11.06	0.07
chr1	52556389	52558012	1624	442	60	169.91	9.1	0.06
chr1	52783265	52784142	878	466	29	72.77	6.62	0.15
chr1	52901416	52902347	932	556	46	77.29	5.06	0.12
chr1	53353384	53354411	1028	576	43	99.37	6.62	0.08
chr1	53409040	53409899	860	418	32	113.01	8.09	0.06
chr1	53840843	53842377	1535	1139	75	169.14	7.77	0.06
chr1	54982328	54983485	1158	827	47	141.68	7.61	0.09
chr1	55083495	55084934	1440	865	82	193.56	8.96	0
chr1	55144077	55145797	1721	1166	84	159.16	5.78	0.11
chr1	55187562	55188672	1111	395	52	216.31	11.56	0
chr1	57029723	57030650	928	408	36	114.63	8.65	0.06
chr1	57434085	57435293	1209	424	55	145.72	7.32	0.09
chr1	57463008	57464081	1074	514	44	104.87	6.93	0.06
chr1	58026279	58027280	1002	533	52	153.05	9.93	0.1
chr1	58449097	58450486	1390	677	80	220.72	7.77	0
chr1	58479684	58481342	1659	1202	87	192.17	5.39	0
chr1	58501921	58502702	782	587	31	90.04	5.84	0.07
chr1	58709276	58710034	759	386	27	94.15	7.57	0.07
chr1	58767910	58768843	934	549	32	77.47	7.64	0.12
chr1	58768933	58769563	631	245	23	81.37	6.18	0.1
chr1	58769937	58770968	1032	284	37	78.8	4.37	0.12
chr1	58851707	58852953	1247	816	44	102.2	5.26	0.05
chr1	59176573	59177430	858	193	37	122.33	7.14	0.07
chr1	59293468	59294493	1026	529	54	125.39	8.39	0.07
chr1	59371667	59372454	788	266	31	84.3	6.42	0.06
chr1	59538237	59539513	1277	747	64	177.51	9.19	0.07
chr1	59727071	59728197	1127	547	46	133.83	9.52	0.08
chr1	59819395	59820946	1552	719	63	179.92	7.44	0
chr1	59969272	59970279	1008	521	49	177.37	9.04	0.07
chr1	60236779	60237810	1032	697	42	93.85	5.52	0.07
chr1	60623041	60624596	1556	998	65	205.46	7.94	0
chr1	62749167	62750701	1535	977	66	125.5	4.53	0.07
chr1	63159539	63161785	2247	447	103	326.26	12.14	0
chr1	63222888	63223964	1077	650	46	80.52	4.49	0.1
chr1	64167792	64169357	1566	1057	98	293.7	8.74	0
chr1	64578974	64579955	982	480	48	174.02	12.3	0.07

chr1	64663236	64664366	1131	498	60	98.87	6.42	0.08
chr1	64737009	64737653	645	465	23	73.71	6.78	0.13
chr1	64783612	64784648	1037	197	38	120.35	8.09	0.07
chr1	65002528	65003716	1189	757	50	146.15	8.09	0.09
chr1	65224335	65226303	1969	607	110	260.23	7.19	0
chr1	65232482	65233812	1331	814	66	224.67	8.99	0
chr1	66862579	66864607	2029	1507	93	236.66	8.05	0
chr1	71148640	71150238	1599	400	67	188.18	8.48	0
chr1	72757547	72758433	887	537	34	93.66	6.29	0.07
chr1	74282534	74284264	1731	539	100	196.87	6.57	0
chr1	74330690	74331898	1209	691	68	224.39	9.63	0
chr1	74341757	74342764	1008	471	48	93.37	5.2	0.07
chr1	74421495	74422967	1473	344	61	96.46	5.11	0.08
chr1	74432948	74434146	1199	647	51	111.02	5.98	0.06
chr1	74437650	74439848	2199	1134	100	167.8	5.22	0.06
chr1	74441878	74445312	3435	2168	201	259.16	5.36	0
chr1	74633792	74635152	1361	498	60	100.36	4.62	0.08
chr1	74708152	74708831	680	243	29	73.1	6.99	0.13
chr1	74759281	74760330	1050	312	46	83.81	4.49	0.06
chr1	74863052	74864083	1032	587	46	163.28	9.61	0.06
chr1	75121064	75122183	1120	653	52	73.04	5.64	0.13
chr1	75137373	75140071	2699	804	171	356.68	8.09	0
chr1	75164717	75165768	1052	472	46	118.43	8.09	0.07
chr1	75188079	75189388	1310	534	67	153.99	6.53	0.1
chr1	75206759	75207927	1169	646	57	95.83	6.26	0.08
chr1	75313366	75314824	1459	979	78	72.19	3.42	0.15
chr1	75396294	75397487	1194	206	45	79.14	4.57	0.1
chr1	75517583	75518832	1250	485	55	98.36	5.99	0.08
chr1	80337051	80338097	1047	216	44	121.7	6.78	0.07
chr1	82279346	82280467	1122	569	48	88.8	5.29	0.07
chr1	82312784	82313613	830	616	43	116.61	7.42	0.07
chr1	82720958	82722114	1157	442	58	112.79	7.25	0.06
chr1	84835658	84836778	1121	529	46	109.24	6.16	0.06
chr1	87599897	87600765	869	480	38	71.21	6.89	0.15
chr1	87631645	87632990	1346	863	53	124.96	7.28	0.07
chr1	87689804	87690545	742	240	34	120.8	10.47	0.07
chr1	87960621	87961785	1165	993	43	109.53	6.29	0.06
chr1	88050715	88051718	1004	577	47	105.15	7.12	0.06
chr1	88255053	88256511	1459	852	78	114.29	4.94	0.06
chr1	88330449	88331993	1545	887	75	218.47	7.21	0
chr1	88337053	88340178	3126	1141	180	412.03	6.65	0
chr1	88400396	88401695	1300	468	66	175.84	8.79	0.07
chr1	88421144	88425295	4152	1122	225	541.46	7.78	0
chr1	89109988	89111145	1158	579	54	89.71	6.2	0.07

chr1	89223118	89224032	915	455	46	141.14	8.18	0.09
chr1	89516477	89518572	2096	1558	108	172.42	4.99	0.07
chr1	89652067	89653314	1248	475	55	78.04	4.7	0.12
chr1	89749345	89750473	1129	660	45	108.53	6.01	0.06
chr1	89904445	89905485	1041	561	47	100.02	6.15	0.08
chr1	90597837	90599295	1459	834	76	137.37	6.52	0.08
chr1	90965797	90967393	1597	394	78	200.37	6.1	0
chr1	92499573	92500513	941	424	54	127.9	9.76	0.08
chr1	92934181	92934857	677	457	25	71.7	5.55	0.15
chr1	92949124	92950564	1441	540	65	132.9	5.83	0.08
chr1	93146150	93147910	1761	438	74	75.63	3.57	0.13
chr1	93294787	93296020	1234	691	58	142.13	8.44	0.09
chr1	93309321	93310407	1087	558	54	76.61	4.85	0.12
chr1	93436705	93437864	1160	580	57	107.79	6.14	0.06
chr1	94076615	94077983	1369	337	57	110.95	5.37	0.06
chr1	94369899	94371019	1121	488	85	241.51	11.88	0
chr1	95202303	95203046	744	271	34	81.53	7.08	0.1
chr1	95239187	95240608	1422	401	63	105.59	6.07	0.06
chr1	95341763	95342662	900	453	32	107.94	8.67	0.06
chr1	95374469	95376251	1783	734	108	90.91	4.2	0.07
chr1	95650773	95652013	1241	806	50	139.12	7.19	0.09
chr1	95699859	95701157	1299	554	69	183.73	7.08	0
chr1	97209815	97211466	1652	725	76	148.65	5.91	0.1
chr1	99558058	99559677	1620	1123	70	159.9	6.99	0.11
chr1	99665790	99667389	1600	914	86	153.51	7.59	0.1
chr1	107559396	107560974	1579	1100	73	102.56	4.3	0.06
chr1	107677985	107678912	928	422	37	77.01	6.68	0.12
chr1	107886130	107887390	1261	787	64	87.43	6.07	0.07
chr1	107890084	107891084	1001	425	38	90.37	5.72	0.07
chr1	108655842	108656976	1135	573	54	70.67	3.93	0.16
chr1	108692653	108693599	947	661	45	109.01	5.06	0.06
chr1	120207012	120208236	1225	669	47	95.15	6.25	0.07
chr1	120285095	120286420	1326	327	49	99.93	5.39	0.08
chr1	120355342	120356298	957	413	45	141.73	8.94	0.09
chr1	121400632	121401830	1199	562	73	152.34	6.13	0.1
chr1	122017290	122018420	1131	515	50	129.22	5.78	0.08
chr1	123224017	123225113	1097	377	54	97.44	4.84	0.08
chr1	123327111	123328214	1104	568	48	108.49	8.44	0.06
chr1	127330360	127333145	2786	1094	153	484.6	7.91	0
chr1	127456283	127458036	1754	757	86	124.78	4.41	0.07
chr1	129670044	129671701	1658	477	70	77.79	3.92	0.12
chr1	130140449	130141588	1140	605	55	113	5.69	0.06
chr1	130313016	130314436	1421	782	67	123.14	5.78	0.07
chr1	130482893	130484717	1825	659	80	269.16	9.16	0

chr1	130485503	130486972	1470	433	61	161.59	7.66	0.11
chr1	130486975	130489585	2611	631	209	805.4	12.14	0
chr1	130618275	130619551	1277	330	53	92.18	4.67	0.07
chr1	133007130	133008214	1085	628	41	72.58	6.07	0.15
chr1	133034503	133035659	1157	458	62	174.06	8.67	0.07
chr1	133095354	133097255	1902	731	84	135.61	4.33	0.08
chr1	133173092	133174132	1041	567	46	93.07	6.69	0.07
chr1	133423545	133425186	1642	580	80	109.48	5	0.06
chr1	133585001	133585904	904	337	47	163.55	10.65	0.06
chr1	133586107	133588680	2574	1089	127	262.81	6.94	0
chr1	133806551	133808124	1574	242	79	268.93	9.89	0
chr1	133903562	133905325	1764	576	118	410.28	9.5	0
chr1	134007929	134008807	879	588	31	79.38	6.36	0.1
chr1	134029794	134030904	1111	677	44	82.83	4.38	0.11
chr1	134034275	134034921	647	385	24	73.48	6.3	0.13
chr1	134035685	134036721	1037	497	40	111.45	6.44	0.06
chr1	134212319	134213930	1612	401	60	96.46	5.14	0.08
chr1	134313529	134314735	1207	378	46	129.4	7.61	0.08
chr1	134921320	134922275	956	565	39	99.98	7.28	0.08
chr1	134930194	134931019	826	345	35	71.2	6.47	0.15
chr1	135506294	135507335	1042	562	38	78.94	6.93	0.1
chr1	135975174	135976332	1159	510	71	212.26	13.27	0
chr1	136258006	136259177	1172	615	77	293.61	15.8	0
chr1	136302352	136303216	865	403	33	85.05	8.52	0.07
chr1	136311323	136312891	1569	472	88	221.44	8.05	0
chr1	136351616	136352477	862	534	31	71.33	5.33	0.15
chr1	136453249	136454090	842	339	33	123.04	10.49	0.07
chr1	137042785	137045006	2222	1299	117	330.06	8.83	0
chr1	137555917	137556974	1058	508	49	86.25	4.46	0.07
chr1	137584224	137585737	1514	385	57	150.61	6.78	0.1
chr1	138027524	138028690	1167	501	53	153.47	6.64	0.1
chr1	138036528	138037431	904	386	40	90.12	6.77	0.07
chr1	138311428	138312722	1295	554	73	149.2	6.52	0.1
chr1	138520998	138522005	1008	577	37	95.53	8.54	0.08
chr1	140070600	140071434	835	269	33	107.69	7.08	0.06
chr1	140514126	140515208	1083	570	45	96.38	7.74	0.08
chr1	140515732	140516961	1230	514	50	74.79	5.78	0.13
chr1	140858994	140861184	2191	1171	77	137.63	6.28	0.09
chr1	145623976	145624610	635	399	30	105.56	8.54	0.06
chr1	145764251	145765185	935	618	37	98.04	5.54	0.08
chr1	145849198	145852066	2869	2013	185	292.35	9.51	0
chr1	146095358	146096356	999	808	37	73.81	5.15	0.13
chr1	152239393	152241028	1636	1149	99	216.41	6.23	0
chr1	153189914	153191128	1215	391	41	74.94	5.01	0.13

chr1	153275016	153276394	1379	607	66	124.33	5.78	0.07
chr1	153347603	153348418	816	371	28	81.36	7.17	0.1
chr1	153601694	153603084	1391	682	65	118.21	4.33	0.07
chr1	154613054	154614611	1558	647	78	72.76	4.82	0.15
chr1	154749147	154751506	2360	930	99	359.36	10.83	0
chr1	155179431	155180798	1368	959	47	88.92	4.78	0.07
chr1	155334208	155335186	979	531	41	101.48	10.02	0.08
chr1	155746448	155748484	2037	669	128	318.63	9.76	0
chr1	156946335	156947270	936	418	43	112.02	11.03	0.06
chr1	157882047	157884069	2023	1249	140	183.74	5.56	0
chr1	157887448	157888447	1000	471	41	86.82	5.95	0.07
chr1	158403824	158404829	1006	510	41	76.62	7.77	0.12
chr1	158488448	158489445	998	420	40	82.83	5.28	0.11
chr1	158604076	158605051	976	462	38	76.08	5.98	0.12
chr1	159342211	159343092	882	543	33	116.71	10.4	0.07
chr1	162141910	162143725	1816	412	79	179.9	5.88	0
chr1	162835832	162837302	1471	499	70	122.92	5.3	0.07
chr1	162964277	162965761	1485	1054	79	126.61	4.76	0.07
chr1	163806298	163807446	1149	729	48	80.53	5.09	0.1
chr1	163898860	163899918	1059	541	47	103.37	9.78	0.06
chr1	164500406	164501927	1522	540	75	162.15	5.29	0.11
chr1	164669978	164671143	1166	736	53	112.95	5.53	0.06
chr1	165333498	165334327	830	273	32	89.56	6.29	0.07
chr1	165859571	165860733	1163	472	59	176.25	10.79	0.07
chr1	166178388	166179449	1062	494	47	97.22	8.09	0.08
chr1	167390072	167391886	1815	552	88	202.07	6.34	0
chr1	167571518	167573259	1742	976	108	401.12	12.95	0
chr1	167693349	167694504	1156	574	65	106.21	6.97	0.06
chr1	167695261	167696919	1659	1397	61	142.93	6.44	0.09
chr1	167932176	167933230	1055	562	48	144.85	8.52	0.09
chr1	168067553	168069002	1450	936	63	146.44	8.09	0.09
chr1	168308801	168310174	1374	643	69	112.83	6.07	0.06
chr1	169238222	169239355	1134	519	55	148.83	9.19	0.1
chr1	172797426	172798589	1164	599	62	210.23	11.62	0
chr1	172966731	172967548	818	506	41	128.11	12.96	0.08
chr1	172967692	172969236	1545	1042	68	150.35	9.85	0.1
chr1	172974172	172975622	1451	958	70	118.98	7.82	0.07
chr1	172980690	172981616	927	595	35	72.49	5.15	0.15
chr1	173032383	173033407	1025	790	54	131.89	8.09	0.08
chr1	173040830	173042126	1297	726	74	146.76	7.59	0.09
chr1	173080189	173081289	1101	653	45	88.52	5.39	0.07
chr1	173162945	173165157	2213	1619	105	89.89	3.64	0.07
chr1	173176818	173177863	1046	480	44	71.3	4.91	0.15
chr1	173200057	173201036	980	495	37	71.1	7.04	0.16

chr1	173210661	173211675	1015	423	38	71.76	4.57	0.15
chr1	173217494	173218507	1014	535	50	82.8	8.09	0.11
chr1	173224123	173225487	1365	694	70	308.52	14.45	0
chr1	173258652	173260467	1816	1371	75	177.56	5.96	0.07
chr1	173318411	173321009	2599	1920	137	149.92	4.65	0.1
chr1	173340824	173342801	1978	644	111	171.21	6.97	0.06
chr1	173432062	173434415	2354	1132	112	314.45	7.69	0
chr1	173576991	173578034	1044	605	39	102.14	7.19	0.05
chr1	174012116	174013341	1226	696	63	211.21	9.79	0
chr1	174056797	174057411	615	194	22	76.99	7.87	0.12
chr1	174077585	174079410	1826	732	104	253.16	7.19	0
chr1	174240855	174242834	1980	706	95	138.7	5.06	0.09
chr1	174306045	174307170	1126	405	62	165.67	7.77	0.06
chr1	174431454	174432493	1040	388	39	94.01	5.45	0.07
chr1	174562567	174563685	1119	530	47	129.75	7.66	0.08
chr1	177622273	177623386	1114	522	50	70.29	6.07	0.16
chr1	178742927	178745302	2376	926	134	274.58	5.39	0
chr1	179641085	179641908	824	382	29	72.37	5.31	0.15
chr1	180247969	180249848	1880	824	120	357.51	7.77	0
chr1	180266143	180268652	2510	1920	149	326.41	8.09	0
chr1	180335579	180337136	1558	778	105	403.38	9.63	0
chr1	181476129	181477340	1212	301	46	112.4	5.96	0.06
chr1	181732839	181734200	1362	463	49	128.8	5.75	0.08
chr1	182185815	182187130	1316	560	66	173.25	7.39	0.07
chr1	182571229	182572097	869	300	38	116.73	7.03	0.07
chr1	182707471	182708990	1520	947	68	153.73	10.55	0.1
chr1	182742836	182744765	1930	763	94	323.65	8.99	0
chr1	182780502	182781899	1398	735	108	202.72	8.09	0
chr1	183073796	183074989	1194	479	55	156.67	7.28	0.11
chr1	183140587	183143314	2728	1570	137	428.68	9.79	0
chr1	183186008	183188167	2160	549	107	293.33	6.84	0
chr1	183771921	183772946	1026	562	49	77.14	5.31	0.12
chr1	184054520	184055642	1123	757	46	90.65	5.94	0.07
chr1	184212104	184213425	1322	774	68	193.41	8.09	0
chr1	184338497	184339883	1387	833	61	211.09	8.71	0
chr1	185857047	185857865	819	493	34	90.83	6.88	0.07
chr1	186553029	186553780	752	312	31	87.11	8	0.07
chr1	186555132	186557136	2005	1599	90	269.95	8.54	0
chr1	186675954	186676961	1008	431	40	86.95	5.52	0.07
chr1	187186206	187187377	1172	652	78	133.06	7.5	0.08
chr1	192751723	192753600	1878	708	88	294.13	9.52	0
chr1	192849272	192850522	1251	789	58	147.76	8.83	0.1
chr1	193005980	193008513	2534	1128	139	272.89	8.09	0
chr1	193047858	193049134	1277	573	89	227.9	8.09	0

chr1	193092909	193094376	1468	870	66	106.31	5.3	0.06
chr1	193136226	193137213	988	455	46	73.95	5.22	0.13
chr1	193141262	193142105	844	561	40	83.69	5.99	0.06
chr1	193220641	193222275	1635	660	89	146.49	5.71	0.09
chr1	193729816	193731194	1379	898	53	86.68	6.47	0.07
chr1	193778479	193779635	1157	528	50	111.51	7.04	0.06
chr1	193813474	193814532	1059	493	45	126.55	8.09	0.07
chr1	193902146	193902994	849	469	31	71.44	6.07	0.15
chr1	193915899	193916904	1006	470	50	102.98	6.65	0.06
chr1	194998992	195000293	1302	575	70	77.88	5.59	0.12
chr10	4521646	4522932	1287	452	59	88.91	5.22	0.07
chr10	4539966	4541300	1335	895	51	77.66	5.29	0.12
chr10	5151313	5152624	1312	809	53	93.99	5.5	0.07
chr10	5915543	5916490	948	527	36	74.81	6.99	0.13
chr10	5958127	5959600	1474	1236	59	225.62	10.49	0
chr10	7382161	7383668	1508	1049	68	123.18	5.39	0.07
chr10	7386943	7387694	752	350	30	73.26	6.16	0.13
chr10	7400490	7401533	1044	512	44	102.39	6.25	0.06
chr10	7512166	7513246	1081	462	93	333.54	15.07	0
chr10	7560995	7562306	1312	432	57	106.37	5.15	0.06
chr10	7674620	7676830	2211	459	102	277.62	7.28	0
chr10	8238045	8238791	747	186	28	101.47	7.51	0.08
chr10	8601280	8603480	2201	1203	88	206.04	7.39	0
chr10	8605302	8606286	985	346	39	99.42	5.39	0.08
chr10	10277324	10278386	1063	509	54	83.91	5.71	0.06
chr10	11000298	11001395	1098	706	49	84.84	4.3	0.06
chr10	12588688	12589602	915	466	37	134.54	8.37	0.08
chr10	12641911	12643021	1111	554	57	155.86	10.2	0.11
chr10	12727567	12728909	1343	702	67	108.74	5.31	0.06
chr10	12912197	12913294	1098	404	49	85.98	4.05	0.07
chr10	13272422	13273437	1016	523	40	143.37	10.26	0.09
chr10	13684036	13684997	962	417	37	101.1	6.74	0.08
chr10	14424830	14425715	886	460	35	130.55	11.65	0.08
chr10	17441602	17444682	3081	1468	207	428.19	8.09	0
chr10	17667453	17668380	928	485	37	105.45	7.64	0.06
chr10	17741900	17743389	1490	947	59	106.62	5.39	0.06
chr10	19311342	19312395	1054	548	70	219.24	12.45	0
chr10	19824079	19824930	852	366	29	76.09	6.19	0.12
chr10	20031260	20033220	1961	1380	133	284.69	6.47	0
chr10	20444430	20445329	900	437	33	70.76	8.09	0.16
chr10	20671666	20673092	1427	801	64	129.99	4.85	0.08
chr10	21710977	21715034	4058	3289	251	569.75	8.09	0
chr10	21868194	21868803	610	373	23	70.87	7.61	0.16
chr10	22021405	22022712	1308	357	51	80.45	4.36	0.1

chr10	22450662	22452229	1568	707	81	210.15	6.86	0
chr10	23868699	23870224	1526	453	62	85.88	4.91	0.07
chr10	29081370	29082342	973	529	43	119.88	7.69	0.07
chr10	30337528	30338784	1257	818	63	165.93	9.85	0.06
chr10	30530475	30531428	954	441	43	103.4	11.26	0.06
chr10	33670511	33671485	975	474	36	82.11	6.47	0.1
chr10	33739088	33740167	1080	579	44	86.43	6.41	0.07
chr10	33926030	33927543	1514	914	76	259.4	11.24	0
chr10	34000225	34000903	679	300	26	79.7	8.09	0.1
chr10	34001651	34002868	1218	397	60	125.73	5.09	0.07
chr10	36856413	36861174	4762	2749	266	859.15	9.63	0
chr10	39450772	39451795	1024	485	41	132.9	9.67	0.08
chr10	39618217	39619644	1428	1027	70	187.68	6.99	0
chr10	39977040	39978992	1953	1371	85	140.93	6.26	0.09
chr10	40021802	40022619	818	214	55	148.46	7.68	0.1
chr10	40068160	40069694	1535	721	73	250.61	7.61	0
chr10	40602545	40603708	1164	648	51	97.03	5.91	0.08
chr10	41022548	41023517	970	465	37	93.69	6.39	0.07
chr10	41104938	41106077	1140	316	38	77.94	4.81	0.12
chr10	41169698	41170769	1072	537	50	130.35	9.19	0.08
chr10	41195680	41197922	2243	516	91	179.01	5.63	0
chr10	41238584	41239677	1094	585	52	89.6	5.93	0.07
chr10	41529387	41530325	939	477	39	80.28	5.73	0.1
chr10	41606743	41607848	1106	589	56	116.79	7.22	0.07
chr10	41994736	41995891	1156	696	45	90.6	5.75	0.07
chr10	41995977	41998518	2542	2087	116	149.04	5.02	0.1
chr10	42197701	42198961	1261	578	66	156.62	7.16	0.11
chr10	42221161	42222569	1409	819	75	162.84	5.49	0.06
chr10	42398366	42399216	851	400	39	144.66	12.14	0.09
chr10	42940584	42941790	1207	513	56	121.14	8.09	0.07
chr10	43260168	43261115	948	553	35	85.76	5.96	0.07
chr10	43621058	43622153	1096	621	44	123.67	8.54	0.07
chr10	43722885	43724007	1123	689	46	75.79	5.29	0.14
chr10	43987708	43988787	1080	506	54	168.84	10.92	0.06
chr10	44308989	44309742	754	357	27	76.21	6.66	0.12
chr10	50311853	50312996	1144	504	52	146.68	8.09	0.09
chr10	52136798	52137879	1082	522	42	130.46	8.6	0.08
chr10	53316167	53317212	1046	568	44	122.61	8.94	0.07
chr10	53348987	53350192	1206	333	41	76.75	4.18	0.12
chr10	53795017	53796229	1213	790	54	148.07	7.69	0.1
chr10	57205801	57206782	982	441	35	87.83	6.29	0.07
chr10	57251617	57252771	1155	612	61	155.11	8.09	0.1
chr10	57514016	57515288	1273	558	65	128.23	6.42	0.08
chr10	57717180	57718883	1704	916	84	189.92	7.77	0

chr10	57785255	57786914	1660	944	81	117.27	4.41	0.07
chr10	57908786	57910593	1808	814	91	137.55	6.86	0.09
chr10	58683767	58685292	1526	774	71	159.15	6.74	0.11
chr10	58785618	58786580	963	520	41	124.22	11.24	0.07
chr10	59341825	59343042	1218	546	68	151.59	6.97	0.1
chr10	59681159	59682140	982	463	38	111.34	8.57	0.06
chr10	59739994	59743538	3545	495	255	554.2	8.54	0
chr10	59743547	59744417	871	559	38	78.6	5.46	0.12
chr10	59744454	59746176	1723	886	91	205.37	5.76	0
chr10	59746506	59748391	1886	728	81	149.67	6.12	0.1
chr10	59765886	59768631	2746	2192	149	406.57	7.36	0
chr10	59809126	59810465	1340	447	61	95.69	5.66	0.08
chr10	59810532	59812441	1910	1488	80	200.21	6.55	0
chr10	59824772	59825767	996	520	43	82.01	4.98	0.1
chr10	60214859	60215831	973	601	53	128.99	8.69	0.08
chr10	60608333	60611204	2872	1951	199	727.33	11.77	0
chr10	60914394	60915944	1551	1170	70	100.26	5.22	0.08
chr10	61911925	61913139	1215	627	80	118.5	7.54	0.07
chr10	62254186	62255702	1517	970	75	154.43	7.19	0.1
chr10	62382558	62383959	1402	811	76	169.01	8.67	0.06
chr10	62442850	62443560	711	199	27	87.03	6.57	0.07
chr10	62485697	62487932	2236	771	105	195.42	6.42	0
chr10	62705937	62707411	1475	899	70	98.03	5.15	0.08
chr10	62801560	62802200	641	208	25	78.72	7.14	0.12
chr10	66559042	66560363	1322	860	51	139.07	6.93	0.09
chr10	67011671	67012688	1018	574	41	90.64	5.88	0.07
chr10	67738719	67741117	2399	1921	84	115.65	5.29	0.06
chr10	67742185	67743280	1096	686	42	70.92	4.53	0.16
chr10	70807024	70807935	912	471	37	83.9	5.88	0.06
chr10	70810075	70810920	846	501	34	77.18	5.15	0.12
chr10	72117034	72117922	889	410	43	113	8.44	0.06
chr10	74979317	74981191	1875	732	108	388.7	11.8	0
chr10	75129905	75130901	997	514	40	82.95	5.28	0.11
chr10	75299505	75301131	1627	685	69	93.77	4.05	0.07
chr10	75383503	75384842	1340	779	61	200.92	10.84	0
chr10	75904711	75906025	1315	768	61	118.85	5.91	0.07
chr10	75931201	75932229	1029	514	46	145.09	8.54	0.09
chr10	76721367	76722535	1169	743	63	122.38	5.74	0.07
chr10	77068510	77069826	1317	895	55	115.62	5.28	0.06
chr10	77075834	77076685	852	358	26	72.64	9.36	0.15
chr10	77084438	77085790	1353	500	57	94.58	4.79	0.07
chr10	77471814	77473048	1235	716	79	161.46	6.7	0.11
chr10	77647298	77648345	1048	529	44	71.07	5.49	0.16
chr10	77875203	77876167	965	584	81	219.42	10.71	0

chr10	77887931	77889621	1691	566	96	207.14	7.39	0
chr10	79131412	79133160	1749	1138	94	136.32	4.72	0.08
chr10	79144044	79145227	1184	658	58	177.18	8.94	0.07
chr10	79229541	79230545	1005	535	46	100.07	6.47	0.08
chr10	79303640	79304638	999	540	43	165.46	11.88	0.06
chr10	79316178	79318375	2198	1150	134	214.14	4.68	0
chr10	79371099	79372112	1014	438	57	130.59	7.25	0.08
chr10	79379110	79380175	1066	617	45	125.59	7.66	0.07
chr10	79389136	79391545	2410	544	103	271.67	7.71	0
chr10	79422356	79423396	1041	566	47	79.91	7.53	0.1
chr10	79446189	79448498	2310	1618	114	207.5	6.7	0
chr10	79458918	79459502	585	335	28	73.57	7.42	0.13
chr10	79478879	79481044	2166	1377	121	301.03	8.14	0
chr10	79515858	79517540	1683	570	106	240.14	9.13	0
chr10	79537493	79538569	1077	628	47	80.06	4.91	0.1
chr10	79564957	79565832	876	392	45	120.14	11.12	0.07
chr10	79577168	79579167	2000	1162	124	244.14	6.9	0
chr10	79603719	79605523	1805	495	80	75.2	4.15	0.13
chr10	79610532	79612900	2369	1841	150	342.99	7.57	0
chr10	79620906	79623185	2280	1831	101	193.21	7.12	0
chr10	79629859	79631592	1734	754	114	250.7	7.85	0
chr10	79635267	79636317	1051	510	49	121.06	9.85	0.07
chr10	79688849	79689803	955	528	42	98.11	5.98	0.08
chr10	79711397	79712710	1314	480	87	170.95	6.34	0.06
chr10	79723166	79724908	1743	578	95	242.5	7.77	0
chr10	79727082	79728360	1279	525	74	238.14	8.46	0
chr10	79754844	79755915	1072	355	49	94.39	5.39	0.07
chr10	79782746	79783724	979	557	47	79.23	5.74	0.1
chr10	79861112	79863063	1952	1415	126	311.12	7.55	0
chr10	79896002	79897350	1349	532	61	133.48	6.74	0.08
chr10	80023839	80024965	1127	602	52	125.91	6.33	0.07
chr10	80039710	80041094	1385	509	73	156.72	6.07	0.11
chr10	80052626	80053622	997	495	40	141.16	12.66	0.09
chr10	80084265	80085905	1641	550	99	100.95	4.89	0.08
chr10	80118838	80119815	978	517	37	71.32	5.63	0.15
chr10	80126674	80128109	1436	419	56	106.24	4.57	0.06
chr10	80138421	80141454	3034	1111	178	186.26	6.83	0
chr10	80154656	80156253	1598	649	78	76.83	4.45	0.12
chr10	80157582	80158792	1211	491	53	75.36	4.85	0.13
chr10	80164057	80165772	1716	658	108	260.43	8.09	0
chr10	80203486	80204494	1009	431	38	88.25	6.47	0.07
chr10	80260032	80262083	2052	1273	134	260.52	5.84	0
chr10	80288394	80289921	1528	664	71	119.77	5.58	0.07
chr10	80392319	80393658	1340	265	70	134.77	5.12	0.08

chr10	80499523	80500382	860	404	33	85.66	7.24	0.07
chr10	80591743	80592759	1017	476	38	76.45	5.52	0.12
chr10	80596694	80601676	4983	2618	292	933.44	11.03	0
chr10	80629940	80631088	1149	504	58	132.91	8.4	0.08
chr10	80645014	80646262	1249	563	64	85.26	5.84	0.07
chr10	80653978	80656020	2043	1298	97	130.97	5.39	0.08
chr10	80728649	80730085	1437	937	79	127.45	5.78	0.07
chr10	80730715	80731397	683	331	30	77.12	6.2	0.12
chr10	80748113	80749105	993	537	36	89.4	7.04	0.07
chr10	80754912	80756488	1577	818	94	129.84	4.34	0.08
chr10	80759850	80761819	1970	256	84	99.22	4.05	0.08
chr10	80782743	80784470	1728	1111	106	207.6	5.47	0
chr10	80812588	80813953	1366	733	95	394.09	14.16	0
chr10	80818780	80820818	2039	1502	92	135.29	6.07	0.08
chr10	80820967	80822315	1349	641	77	203.14	8.15	0
chr10	80827298	80831390	4093	1748	339	547.55	6.47	0
chr10	80892413	80893642	1230	717	54	140.51	5.5	0.09
chr10	80895434	80897531	2098	450	81	101.93	4.6	0.05
chr10	81007064	81008080	1017	197	38	81.7	5.01	0.1
chr10	81033962	81034907	946	647	41	79.25	4.36	0.1
chr10	81068315	81069907	1593	436	68	119.9	4.67	0.07
chr10	82321448	82322416	969	514	37	87.29	8.05	0.07
chr10	82799956	82800794	839	544	30	79.66	5.52	0.1
chr10	83006057	83007592	1536	706	82	216.74	8.43	0
chr10	83110885	83112013	1129	709	56	139.72	8.43	0.09
chr10	83902889	83904165	1277	492	76	276.57	11.73	0
chr10	84038821	84039801	981	533	38	99.65	5.19	0.08
chr10	84379424	84380793	1370	787	62	128.01	5.5	0.08
chr10	85379017	85380431	1415	799	61	92.34	5.02	0.07
chr10	85484416	85485535	1120	715	42	89.38	5.01	0.07
chr10	86167448	86169517	2070	722	109	175.27	6.62	0.07
chr10	86240879	86242340	1462	595	75	82.93	4.45	0.11
chr10	87293254	87294194	941	540	34	76.02	4.85	0.14
chr10	87321454	87323884	2431	504	128	379.09	7.32	0
chr10	88193471	88194778	1308	464	67	200.18	7.32	0
chr10	88288938	88290010	1073	469	44	98.69	5.88	0.08
chr10	88905609	88907019	1411	1014	60	98.56	4.91	0.08
chr10	89206719	89208706	1988	1141	76	125.82	4.85	0.07
chr10	90585847	90587467	1621	907	106	185.36	9.75	0
chr10	90633736	90635142	1407	882	70	225.12	8.94	0
chr10	90643781	90645400	1620	1099	96	188.1	7.11	0
chr10	92623429	92624644	1216	560	55	199.77	8.3	0
chr10	92772818	92773969	1152	420	50	166.16	8.34	0.06
chr10	93150900	93152146	1247	822	46	155.65	8.16	0.11

chr10	93661359	93662154	796	456	38	94.75	7.75	0.07
chr10	93967739	93968689	951	735	44	144.6	7.19	0.09
chr10	94150568	94151857	1290	723	55	82.87	4.46	0.11
chr10	94405146	94407211	2066	1577	89	113.43	4.18	0.06
chr10	94785796	94787026	1231	504	55	111.85	6.75	0.06
chr10	94964129	94964865	737	456	32	90.57	8.52	0.07
chr10	94976986	94978767	1782	771	80	249.38	7.4	0
chr10	95026083	95027242	1160	636	53	159.09	8.94	0.11
chr10	95402760	95403874	1115	423	69	239.11	10.3	0
chr10	95795005	95796046	1042	538	40	106.48	6.22	0.06
chr10	96078843	96081135	2293	828	175	680.55	12.31	0
chr10	96082672	96083632	961	373	34	84.92	6.29	0.07
chr10	98376103	98378259	2157	558	108	208.43	7.22	0
chr10	98570384	98571293	910	451	34	84.97	8.09	0.07
chr10	98723777	98726362	2586	584	115	290.55	8.86	0
chr10	99949618	99950613	996	416	47	118.49	7.04	0.07
chr10	107598554	107600050	1497	663	88	259.07	10.79	0
chr10	110446294	110447715	1422	720	63	203.21	9.04	0
chr10	110600780	110603584	2805	959	158	336.29	7.81	0
chr10	110735160	110736246	1087	621	72	190.49	6.47	0
chr10	111431613	111434511	2899	405	139	301.1	5.95	0
chr10	112365463	112366560	1098	411	41	142.15	8.74	0.09
chr10	114687926	114688986	1061	682	58	179	9.19	0
chr10	114798764	114799910	1147	512	46	82.33	6.15	0.11
chr10	114820792	114823027	2236	910	120	230.06	6.74	0
chr10	116018030	116019159	1130	443	37	108.65	7.3	0.06
chr10	116712006	116714240	2235	1125	249	1192.3	14.31	0
chr10	116716501	116717758	1258	727	72	240.92	9.63	0
chr10	116718059	116720243	2185	342	96	358.22	12.55	0
chr10	116813539	116814477	939	475	51	215.32	15.68	0
chr10	117146577	117148257	1681	1109	99	368.51	11.05	0
chr10	117183209	117183986	778	378	25	79.43	8.74	0.1
chr10	117229281	117230422	1142	725	53	70.45	5.39	0.16
chr10	117281793	117283762	1970	1390	113	334.67	8.79	0
chr10	117534653	117535518	866	298	31	73.96	5.51	0.13
chr10	118305094	118306391	1298	974	42	115.46	8.04	0.06
chr10	118676415	118678171	1757	628	86	163.31	5.49	0.06
chr10	119645442	119646411	970	416	39	76.56	6.41	0.12
chr10	119865410	119866638	1229	558	57	116.33	5.29	0.07
chr10	120415863	120416895	1033	534	44	132.28	8.54	0.08
chr10	120801659	120803550	1892	1489	81	74.71	3.6	0.13
chr10	120912569	120913855	1287	791	44	87.33	5.66	0.07
chr10	121022844	121024457	1614	1182	72	171.13	7.36	0.06
chr10	121062845	121064005	1161	695	51	72.81	4.44	0.15

chr10	122115325	122116647	1323	804	61	97.8	5.39	0.08
chr10	122422149	122423773	1625	561	105	370.63	9.93	0
chr10	122512982	122513818	837	419	31	95.2	7.59	0.07
chr10	122633563	122634472	910	383	34	90.83	7.64	0.07
chr10	124825195	124826986	1792	881	88	219.98	6.33	0
chr10	126365156	126366047	892	374	33	87.51	7.64	0.07
chr10	126415070	126416186	1117	444	47	147.37	8.09	0.1
chr10	126500070	126501273	1204	533	66	77.15	5.78	0.12
chr10	126557451	126558758	1308	739	71	159.15	9.54	0.11
chr10	126601523	126603128	1606	751	85	272.86	9.71	0
chr10	126648091	126649184	1094	531	55	139.83	8.43	0.09
chr10	126702837	126703970	1134	579	49	97.35	6.8	0.08
chr10	126726135	126728520	2386	1660	127	309.26	8.41	0
chr10	126760125	126761257	1133	743	43	92.74	5.39	0.07
chr10	126817035	126818016	982	533	44	179.91	15.15	0
chr10	127033526	127035089	1564	910	78	111.77	5.24	0.06
chr10	127057195	127059680	2486	2072	126	401.84	8.99	0
chr10	127078733	127081084	2352	1434	128	225.89	6.32	0
chr10	127098454	127099559	1106	544	51	75.04	5.31	0.13
chr10	127102856	127105937	3082	1346	160	158.03	4.74	0.11
chr10	127472082	127473324	1243	491	71	141.62	6.57	0.09
chr10	127495409	127496929	1521	696	67	98	4.58	0.08
chr10	127519833	127520949	1117	636	61	217.9	8.09	0
chr10	127527694	127528681	988	436	36	86.35	6.39	0.07
chr10	127528852	127530717	1866	734	88	166.57	6.89	0.06
chr10	127613422	127613912	491	216	20	83.28	9.32	0.06
chr10	127706939	127708061	1123	477	50	87.15	4.91	0.07
chr10	127739501	127741703	2203	236	88	97.35	4.13	0.08
chr10	127774702	127775619	918	459	32	93.36	8.76	0.07
chr10	127810134	127810962	829	375	34	93.42	8.38	0.07
chr10	127813507	127814460	954	537	36	128.02	7.57	0.08
chr10	127846431	127847601	1171	436	62	150.24	7.16	0.1
chr10	127848009	127849274	1266	521	61	105.18	5.66	0.06
chr10	127895044	127896202	1159	572	63	150.18	10.19	0.1
chr10	127930607	127931649	1043	609	56	115.07	5.66	0.06
chr10	127935416	127937023	1608	345	82	157.78	4.74	0.11
chr10	127961705	127963645	1941	1139	91	151.83	6.74	0.1
chr10	127985623	127986539	917	672	61	158.14	8.61	0.11
chr10	128002047	128003737	1691	1139	68	146.32	5.28	0.09
chr10	128063108	128064240	1133	405	52	176.83	9.04	0.07
chr10	128132542	128134011	1470	991	67	82.5	4.52	0.11
chr10	128141429	128142741	1313	830	53	151.78	8.32	0.1
chr10	128184429	128185921	1493	566	59	147.6	5.96	0.1
chr10	128241427	128243240	1814	1353	72	111.78	5.6	0.06

chr10	128258166	128259508	1343	883	59	117.33	6.15	0.07
chr10	128346099	128347996	1898	868	96	247.53	7.04	0
chr10	128359773	128360869	1097	510	50	72.28	6.07	0.15
chr11	3189202	3190726	1525	594	68	153.05	5.63	0.1
chr11	3813102	3814266	1165	331	42	73.52	4.57	0.13
chr11	3863272	3864514	1243	447	60	189.12	8.94	0
chr11	4086406	4087368	963	383	50	147.83	7.72	0.1
chr11	4604257	4605218	962	465	36	78.24	7.32	0.12
chr11	4749024	4750081	1058	544	46	104.54	7.04	0.06
chr11	4911320	4913018	1699	1061	65	95.81	4.98	0.08
chr11	4998195	5000343	2149	1262	132	304.78	7.55	0
chr11	5344666	5345737	1072	384	36	88.57	4.13	0.07
chr11	5385513	5386400	888	532	32	101.83	8.09	0.05
chr11	5420398	5422340	1943	517	94	229.49	9.15	0
chr11	5441692	5442763	1072	598	46	96.8	6.74	0.08
chr11	5661698	5662851	1154	640	55	84.77	6.32	0.06
chr11	5687727	5689055	1329	806	64	74.74	4.15	0.13
chr11	5855112	5856255	1144	580	60	97	5.95	0.08
chr11	6099777	6100754	978	363	55	80.07	5.6	0.1
chr11	6191214	6192293	1080	475	55	77.33	6.07	0.12
chr11	6288642	6289482	841	621	32	109.79	7.57	0.06
chr11	6314808	6316781	1974	1401	115	286.4	7.79	0
chr11	6343833	6344740	908	424	35	103.23	7.61	0.06
chr11	6375917	6376652	736	266	25	77.92	9.74	0.12
chr11	6428317	6429418	1102	530	48	108.76	7.04	0.06
chr11	6446008	6447501	1494	778	93	366.22	9.37	0
chr11	8466240	8467724	1485	410	50	76.6	5.01	0.12
chr11	8523589	8524983	1395	470	68	171.88	5.63	0.06
chr11	8563084	8564999	1916	1413	79	107.81	4.96	0.06
chr11	8588923	8589886	964	309	39	105.36	6.81	0.06
chr11	11585792	11586764	973	537	40	85.86	6.33	0.07
chr11	16907657	16909076	1420	957	71	250.82	11.62	0
chr11	17058656	17059814	1159	828	50	109.31	5.21	0.06
chr11	17111199	17112724	1526	1082	67	112.96	5	0.06
chr11	17157228	17158336	1109	443	43	95.52	5.78	0.08
chr11	17852842	17854158	1317	998	50	105.7	5.78	0.06
chr11	19819695	19820668	974	608	41	108.51	6.47	0.06
chr11	19824178	19825066	889	443	30	83.92	7.12	0.06
chr11	19825306	19826664	1359	934	47	89.91	6.28	0.07
chr11	20011418	20013970	2553	1615	163	375.45	8.09	0
chr11	20100431	20102184	1754	587	94	142.61	4.85	0.09
chr11	20432188	20433062	875	532	31	84.42	6.66	0.06
chr11	20442106	20443526	1421	777	70	152.24	7.47	0.1
chr11	20640434	20642776	2343	1166	130	287.4	8.38	0

chr11	20990738	20992003	1266	650	69	171.8	9.02	0.06
chr11	21138264	21140063	1800	519	84	248.81	9.37	0
chr11	21270296	21271617	1322	902	65	176.01	8.09	0.07
chr11	21471682	21472635	954	211	55	130.8	5.02	0.08
chr11	22186689	22187608	920	475	36	114.93	7.59	0.06
chr11	22758687	22761088	2402	440	104	264.95	7.36	0
chr11	22890120	22891068	949	357	49	106.77	6.65	0.06
chr11	22908074	22909020	947	440	43	104.39	7.04	0.06
chr11	23154914	23156866	1953	630	99	158.52	5.31	0.11
chr11	23205871	23206781	911	563	48	182.23	8.29	0
chr11	23565376	23566719	1344	485	71	317.89	16.02	0
chr11	23669452	23671997	2546	1723	118	301.88	7.32	0
chr11	23794634	23795691	1058	540	44	113.71	6.88	0.06
chr11	29072290	29073581	1292	717	69	130.91	6.26	0.08
chr11	29273203	29274269	1067	514	48	143.04	9.79	0.09
chr11	29414559	29415521	963	420	43	96.52	7.42	0.08
chr11	29447401	29448725	1325	885	54	184.2	8.63	0
chr11	29591890	29595722	3833	976	163	374.55	7.72	0
chr11	30548782	30549835	1054	515	48	136.84	9.3	0.08
chr11	30671245	30672850	1606	445	59	181.61	10.39	0
chr11	31571480	31572460	981	486	35	89.81	8.23	0.07
chr11	32126195	32127005	811	362	44	139.07	11.08	0.09
chr11	32432641	32433872	1232	794	44	99.83	6.81	0.08
chr11	34495041	34495900	860	329	55	88.54	6.76	0.07
chr11	35582550	35583622	1073	502	47	71.73	4.85	0.15
chr11	35647315	35648019	705	453	26	84.55	6.26	0.06
chr11	40505566	40506495	930	485	35	93.92	8.54	0.07
chr11	40507558	40508914	1357	996	48	144.54	7.65	0.09
chr11	43198134	43199288	1155	339	43	81.52	5.03	0.1
chr11	43239317	43240333	1017	405	36	83.12	5.96	0.11
chr11	43494967	43496078	1112	614	56	166.71	9.63	0.06
chr11	44283281	44284616	1336	851	55	99.98	6.15	0.08
chr11	46250092	46250987	896	436	32	95.26	9.73	0.07
chr11	46293726	46294563	838	443	35	105.92	8.54	0.06
chr11	48613028	48614043	1016	474	43	121.01	7.24	0.07
chr11	48630003	48632548	2546	2028	145	351.45	10	0
chr11	48646983	48648484	1502	996	87	286.88	17.09	0
chr11	48666661	48667792	1132	496	54	71.03	6.24	0.16
chr11	48669683	48670660	978	460	42	95.04	6.68	0.07
chr11	48684228	48686342	2115	1604	92	216.42	8.95	0
chr11	49016118	49018109	1992	1176	113	247.45	6.7	0
chr11	49056883	49058283	1401	544	68	142.1	7.05	0.09
chr11	49063669	49064771	1103	544	53	121.04	6.47	0.07
chr11	49659813	49660726	914	488	46	79.78	5.06	0.1

chr11	49944162	49945886	1725	646	84	127.49	4.8	0.07
chr11	50022884	50024774	1891	1330	101	151.31	6.01	0.1
chr11	50038027	50039194	1168	502	48	120.94	6.07	0.07
chr11	50049734	50050791	1058	478	49	86.25	5.58	0.07
chr11	50138504	50139885	1382	636	85	149.4	6.56	0.1
chr11	50190341	50192472	2132	1021	116	494.6	11.32	0
chr11	50243983	50245068	1086	510	62	199.34	11.03	0
chr11	51075644	51077281	1638	944	78	98.48	6.07	0.08
chr11	51419247	51421026	1780	493	96	208.06	6.65	0
chr11	51432555	51433692	1138	577	47	125.59	6.32	0.07
chr11	51501858	51503124	1267	706	66	99.08	4.62	0.08
chr11	51569486	51570642	1157	582	63	165.83	8.74	0.06
chr11	51576697	51577627	931	459	36	99.37	7.19	0.08
chr11	51669476	51672686	3211	2056	166	476.38	11.17	0
chr11	51729184	51730566	1383	520	59	77.93	5.48	0.12
chr11	51809378	51809958	581	378	22	71.86	6.95	0.15
chr11	51813462	51814628	1167	648	63	116.93	5.31	0.07
chr11	51911452	51913220	1769	905	92	190.01	6.36	0
chr11	52044909	52045992	1084	657	54	151.09	8.83	0.1
chr11	52173701	52175160	1460	513	77	191.5	6.47	0
chr11	52209559	52210499	941	382	38	80.18	6.33	0.1
chr11	53113121	53115123	2003	1086	97	211.73	7.44	0
chr11	53163446	53165452	2007	912	116	236.95	8.35	0
chr11	53243675	53244966	1292	517	55	105.25	4.85	0.06
chr11	53380362	53381447	1086	401	43	119.25	7.64	0.07
chr11	53520126	53521348	1223	187	45	89.91	4.24	0.07
chr11	53576796	53578003	1208	563	86	218.15	8.34	0
chr11	53582882	53584351	1470	695	89	101.62	5.28	0.08
chr11	53704791	53705937	1147	384	57	128.14	7.16	0.08
chr11	53841368	53842883	1516	442	77	164.36	5.39	0.06
chr11	54251217	54252255	1039	521	48	158.86	11.88	0.11
chr11	54335551	54336784	1234	522	58	96.66	5.12	0.08
chr11	54599771	54601690	1920	1381	81	93.91	5.06	0.07
chr11	54679431	54680833	1403	1055	56	152.32	7.19	0.1
chr11	54910937	54912129	1193	696	54	85.33	5.12	0.07
chr11	55273880	55275403	1524	853	78	159.63	5.2	0.11
chr11	55281611	55283721	2111	1678	107	104.1	4.14	0.06
chr11	57331627	57332670	1044	467	47	105.41	8.43	0.06
chr11	57457612	57459066	1455	972	55	95.31	5.98	0.07
chr11	57822847	57824282	1436	1005	59	73.64	4.32	0.13
chr11	57916958	57918382	1425	733	95	179.87	5.54	0
chr11	57981387	57982380	994	434	37	79.47	4.62	0.1
chr11	57984665	57985577	913	445	44	92.95	6.59	0.07
chr11	58115095	58116473	1379	664	84	122.17	6.12	0.07

chr11	58136087	58137502	1416	731	78	160.67	5.93	0.11
chr11	58976333	58977883	1551	641	95	195.53	8.09	0
chr11	59015396	59016485	1090	584	53	89.6	5.74	0.07
chr11	59021331	59023190	1860	510	94	108.97	5.75	0.06
chr11	59041101	59042428	1328	565	75	184.91	6.59	0
chr11	59319113	59320318	1206	531	49	181.31	11.07	0
chr11	59622499	59624018	1520	869	89	157.37	6.24	0.11
chr11	59661171	59662142	972	428	42	144.08	7.49	0.09
chr11	59761209	59762219	1011	557	38	77.11	5.15	0.12
chr11	59928261	59929496	1236	705	55	84.17	5.93	0.06
chr11	60023540	60024343	804	462	31	89.5	7.81	0.07
chr11	60033684	60034545	862	436	35	102.63	8.09	0.06
chr11	60229931	60231955	2025	556	108	196.44	6	0
chr11	60350314	60352638	2325	859	120	107.42	4.52	0.06
chr11	60540066	60541066	1001	576	53	124.31	6.59	0.07
chr11	60589888	60591620	1733	550	96	185.29	8.31	0
chr11	60643668	60644566	899	508	34	70.94	6.62	0.16
chr11	60691829	60692850	1022	471	46	137.78	8.52	0.09
chr11	60726833	60727637	805	395	30	76.29	6.39	0.12
chr11	60744978	60746017	1040	634	55	134.72	7.16	0.08
chr11	61220954	61222295	1342	531	64	96.69	6.83	0.08
chr11	61307415	61308371	957	448	36	86.43	8.26	0.07
chr11	61667380	61669306	1927	1291	136	611.18	15.15	0
chr11	61743177	61744218	1042	491	54	184.93	9.79	0
chr11	61818217	61820636	2420	752	127	246.84	7.53	0
chr11	62094490	62095440	951	435	41	74.2	8.69	0.13
chr11	62270445	62272565	2121	424	107	352.2	7.48	0
chr11	62362891	62365739	2849	2128	225	968.56	12.68	0
chr11	62366529	62367216	688	192	25	73.26	6.22	0.13
chr11	62388812	62390805	1994	499	91	107.92	4.05	0.06
chr11	62415699	62417439	1741	714	106	137.59	6.21	0.09
chr11	62692546	62693609	1064	340	55	134.98	6.06	0.08
chr11	62944637	62945541	905	425	35	79.42	6.9	0.1
chr11	68244111	68246033	1923	1356	94	127.15	4.76	0.07
chr11	68281359	68282453	1095	643	41	72.09	4.92	0.15
chr11	68665967	68667271	1305	556	75	130.87	6.93	0.08
chr11	68714788	68715796	1009	450	45	75.52	5.3	0.13
chr11	68850015	68851705	1691	949	94	212.68	8.38	0
chr11	68853529	68855676	2148	956	115	162.57	6.74	0.12
chr11	68858696	68860005	1310	721	58	92.57	4.46	0.07
chr11	68872520	68873799	1280	647	76	285.49	13.41	0
chr11	68875551	68877582	2032	285	102	244.37	8.72	0
chr11	68883700	68884709	1010	503	41	76.16	6.47	0.12
chr11	68886284	68887420	1137	643	47	112.38	6.16	0.06

chr11	68911948	68914048	2101	569	97	97.56	4.59	0.08
chr11	68931884	68932864	981	486	59	175.44	11.65	0.07
chr11	68936774	68939225	2452	1374	103	236.01	8.39	0
chr11	69179346	69180634	1289	721	60	129.38	6.47	0.08
chr11	69181114	69182577	1464	409	58	112.19	5.28	0.06
chr11	69222691	69225748	3058	648	141	266.7	5.01	0
chr11	69231088	69232531	1444	854	52	105.94	5.01	0.06
chr11	69393292	69395435	2144	467	84	116.66	4.91	0.07
chr11	69475387	69480468	5082	4246	326	440.37	7.34	0
chr11	69483990	69486608	2619	937	205	502.33	9.66	0
chr11	69494657	69496336	1680	761	98	135.58	6.67	0.08
chr11	69498516	69499686	1171	411	46	93.55	5.39	0.07
chr11	69508376	69510010	1635	1124	90	225.65	9.13	0
chr11	69570818	69573229	2412	1272	216	684.53	18.88	0
chr11	69579424	69580372	949	574	39	138.54	10.25	0.09
chr11	69650721	69652530	1810	1201	85	169.67	6.53	0.06
chr11	69659571	69660599	1029	414	45	92.06	6.8	0.07
chr11	69714264	69715644	1381	953	62	126.55	6.15	0.07
chr11	69726954	69728345	1392	746	86	267.84	9.1	0
chr11	69733042	69735860	2819	1818	149	181.29	4.9	0
chr11	69793324	69795485	2162	985	111	251.66	7.16	0
chr11	69803972	69805751	1780	542	108	190.16	6.52	0
chr11	69808621	69811335	2715	2139	170	414	8.34	0
chr11	70033784	70035322	1539	995	74	124.33	6.74	0.07
chr11	70050522	70052064	1543	885	82	118.2	4.94	0.07
chr11	70245341	70247988	2648	767	195	458.7	7.17	0
chr11	70265012	70268209	3198	766	154	220.14	6.19	0
chr11	70272277	70273860	1584	883	80	208.53	8.09	0
chr11	70338361	70339508	1148	519	45	107.58	6.47	0.06
chr11	70353100	70354435	1336	510	68	212.59	8.09	0
chr11	70375929	70376917	989	533	41	113.28	8.52	0.06
chr11	70428365	70429203	839	416	30	77.5	8.09	0.12
chr11	70459697	70461973	2277	737	117	299.56	7.99	0
chr11	70466318	70469996	3679	1771	249	635.36	9.71	0
chr11	70481652	70483410	1759	1100	100	131.5	4.45	0.08
chr11	70493146	70493896	751	551	35	74.52	6.99	0.13
chr11	70500602	70501954	1353	547	70	199.97	7.36	0
chr11	70513405	70514573	1169	312	45	86.26	4.57	0.07
chr11	70577511	70578646	1136	515	55	87.09	5.06	0.07
chr11	70782505	70783994	1490	924	71	147.15	6.22	0.09
chr11	70796012	70796836	825	464	32	79.35	8.09	0.1
chr11	70817436	70818450	1015	633	49	82.82	6.26	0.11
chr11	70832243	70834002	1760	1192	96	142.67	5.39	0.09
chr11	70957849	70958502	654	194	24	81.43	7.01	0.1

chr11	72254308	72255256	949	485	40	74.42	7.47	0.13
chr11	72419992	72422336	2345	741	108	82.75	3.75	0.11
chr11	72503049	72504397	1349	463	62	110.46	5.2	0.06
chr11	72608537	72610212	1676	1161	97	237.07	5.9	0
chr11	72860951	72861889	939	447	42	89.62	7.77	0.07
chr11	72990160	72991117	958	347	44	86.7	5.39	0.07
chr11	74537341	74538615	1275	728	81	254.5	11.12	0
chr11	74642932	74644992	2061	495	124	233.33	5.24	0
chr11	74651074	74652769	1696	1165	91	217.86	6.24	0
chr11	74738805	74740068	1264	805	64	118.26	6.19	0.07
chr11	74991749	74992851	1103	549	55	106.8	8.37	0.06
chr11	75003439	75004437	999	518	41	117.71	8	0.07
chr11	75267491	75268591	1101	579	46	98.98	6.68	0.08
chr11	75271779	75277096	5318	3314	286	406.83	6.47	0
chr11	75322081	75324762	2682	2084	154	265.68	5.95	0
chr11	75343489	75348982	5494	1742	423	1032.67	9.25	0
chr11	75349803	75350792	990	264	38	78.96	4.39	0.1
chr11	75384087	75385570	1484	734	68	89.5	4.41	0.07
chr11	75386093	75388005	1913	778	83	130.16	4.33	0.08
chr11	75401097	75402226	1130	504	59	81.7	6.12	0.1
chr11	75443766	75445128	1363	812	82	173.93	7.59	0.07
chr11	75464586	75465933	1348	847	52	112.62	6.19	0.06
chr11	75466955	75468121	1167	547	51	131.98	7.82	0.08
chr11	75469007	75470043	1037	461	47	126.82	8.9	0.07
chr11	75492424	75493824	1401	981	63	85.74	5.06	0.07
chr11	75545822	75547604	1783	470	78	214.02	7.69	0
chr11	76056871	76057786	916	384	50	164.11	12.33	0.06
chr11	76307572	76309399	1828	705	82	150.97	6.78	0.1
chr11	76435531	76436793	1263	738	47	86.44	5.15	0.07
chr11	76659079	76661020	1942	1447	85	186.7	6.43	0
chr11	76758648	76759752	1105	557	51	185.52	11.63	0
chr11	76891354	76892577	1224	527	87	175.62	8.09	0.07
chr11	77161516	77162263	748	280	28	94.78	9.82	0.07
chr11	77304255	77305159	905	465	34	70.27	5.88	0.16
chr11	77420298	77422006	1709	1047	97	272.69	8.09	0
chr11	77498976	77501165	2190	703	119	181.24	8.55	0
chr11	77599146	77600332	1187	670	57	93.44	5.74	0.07
chr11	77606536	77607428	893	414	49	140.03	8.43	0.09
chr11	77794903	77798759	3857	423	204	301.28	5.24	0
chr11	77893424	77894441	1018	461	56	192.8	12.54	0
chr11	77996373	77997506	1134	562	46	130.19	7.19	0.08
chr11	78058786	78060031	1246	367	59	88.51	5.29	0.07
chr11	78074731	78076139	1409	884	68	239.45	10.53	0
chr11	78141587	78142503	917	367	44	120.46	7.72	0.07

chr11	78325131	78326212	1082	661	45	149.26	8.6	0.1
chr11	78348725	78350371	1647	1297	74	98.38	5.56	0.08
chr11	78363921	78364893	973	408	37	76.69	5.88	0.12
chr11	78510538	78511578	1041	466	44	123.3	9.79	0.07
chr11	79067186	79068653	1468	917	87	131.24	7.68	0.08
chr11	79091758	79092621	864	472	33	70.2	5.52	0.16
chr11	79118891	79120047	1157	712	43	84.15	4.78	0.06
chr11	79152563	79153690	1128	340	51	120.54	5.98	0.07
chr11	79336496	79337750	1255	724	64	164.03	8.8	0.06
chr11	79517200	79518660	1461	922	79	117.96	4.94	0.07
chr11	79775559	79776400	842	324	33	72.76	5.52	0.15
chr11	79806979	79807751	773	451	27	79.41	6.07	0.1
chr11	79894014	79895170	1157	378	63	124.27	6.79	0.07
chr11	79955026	79956219	1194	787	49	95.81	5.73	0.08
chr11	79967192	79969575	2384	455	106	215.84	7.75	0
chr11	80191089	80191985	897	358	47	164.82	12.77	0.06
chr11	80196263	80197392	1130	578	59	141.11	8.4	0.09
chr11	82577425	82578563	1139	492	51	119.01	7.04	0.07
chr11	82594131	82595491	1361	386	56	101.48	5.5	0.08
chr11	82703544	82704442	899	566	33	86.68	7.64	0.07
chr11	82877373	82881072	3700	2873	180	415.38	8.6	0
chr11	83037628	83038522	895	338	41	95.88	7.08	0.08
chr11	83084369	83086274	1906	486	78	215.38	9.34	0
chr11	83115671	83116869	1199	485	57	108.12	7.22	0.06
chr11	83431835	83432408	574	330	22	85.24	8.16	0.07
chr11	83462520	83463514	995	586	44	97.15	5.39	0.08
chr11	83566899	83567794	896	539	38	71.99	4.36	0.15
chr11	83942724	83943568	845	571	28	71.52	6.19	0.15
chr11	84326565	84327633	1069	550	57	74.76	5.19	0.13
chr11	84631136	84633548	2413	1904	108	120.66	5.47	0.07
chr11	84642300	84643024	725	307	39	111.9	7.42	0.06
chr11	84682844	84684985	2142	1171	110	372.16	8.89	0
chr11	84692958	84693919	962	375	39	105.62	7.24	0.06
chr11	84729290	84730199	910	534	34	84.97	8.09	0.07
chr11	84952887	84954285	1399	838	63	114.88	4.79	0.06
chr11	85047786	85049254	1469	946	73	187.87	8.09	0
chr11	85123934	85125192	1259	731	57	158.59	6.88	0.11
chr11	85165674	85167158	1485	422	77	181.81	8.22	0
chr11	86070577	86071523	947	535	35	105.39	9.1	0.06
chr11	86297197	86298890	1694	946	100	185.58	6.19	0
chr11	86357756	86358945	1190	546	55	75.92	5.39	0.14
chr11	86392047	86393561	1515	1031	71	135.84	5.69	0.08
chr11	86393616	86401265	7650	5775	447	619.82	7.36	0
chr11	86497074	86498092	1019	486	51	100.56	5.86	0.08

chr11	86569945	86572539	2595	1117	207	716.98	10.19	0
chr11	86899867	86900706	840	509	36	126.23	9.1	0.07
chr11	87217525	87218587	1063	610	45	93.17	6.41	0.07
chr11	87240123	87240840	718	399	25	76.93	6.79	0.12
chr11	87404611	87406257	1647	585	105	247.13	7.57	0
chr11	87550348	87551426	1079	531	49	83.57	5.86	0.06
chr11	87562028	87563750	1723	1022	100	164.78	5.39	0.06
chr11	87568586	87574587	6002	549	476	1448.63	11.7	0
chr11	87666397	87667378	982	449	46	161.52	10.47	0.11
chr11	87800511	87801664	1154	456	40	105.18	6.82	0.06
chr11	87860418	87862316	1899	900	84	88.56	3.47	0.07
chr11	87880881	87882569	1689	1272	73	246.56	11.34	0
chr11	88016984	88018348	1365	462	66	91.24	4.28	0.07
chr11	88579368	88580320	953	505	32	81.2	9.52	0.1
chr11	88815952	88817096	1145	799	49	85.22	5.09	0.07
chr11	88885191	88886252	1062	497	53	108.99	7.51	0.06
chr11	89846095	89847419	1325	402	42	74.57	4.92	0.13
chr11	90110181	90111343	1163	663	51	115.74	7.39	0.07
chr11	93746251	93747728	1478	1000	68	142.37	5.18	0.09
chr11	93816775	93818065	1291	818	55	99.21	5.29	0.08
chr11	93828635	93830544	1910	1095	81	79	5.17	0.1
chr11	93855442	93858023	2582	1194	119	127.14	4.27	0.07
chr11	94071525	94073295	1771	1253	108	359.13	14.71	0
chr11	94183017	94184065	1049	393	45	127.95	7.66	0.08
chr11	94188789	94189886	1098	428	46	155.38	8.71	0.11
chr11	94490456	94491568	1113	498	50	117.46	8.09	0.07
chr11	94537257	94539169	1913	462	85	132.37	3.94	0.08
chr11	94850557	94853519	2963	1746	147	382.06	8.09	0
chr11	94853588	94855148	1561	726	78	146.2	5.58	0.09
chr11	94855200	94856287	1088	609	47	130.86	6.67	0.08
chr11	94867662	94868715	1054	403	41	97	6.41	0.08
chr11	95119682	95121282	1601	1090	69	70.71	3.7	0.16
chr11	95170476	95172101	1626	653	88	123.78	3.94	0.07
chr11	95245472	95246655	1184	569	81	212.23	9.4	0
chr11	95549437	95550450	1014	454	45	118.29	7.71	0.07
chr11	95573016	95575687	2672	517	112	144.54	5.39	0.09
chr11	95691508	95692919	1412	927	71	115.97	4.55	0.07
chr11	95719707	95721210	1504	848	76	233.84	8.9	0
chr11	95895438	95896848	1411	815	73	304.89	14.02	0
chr11	95926157	95927266	1110	536	50	148.59	9.37	0.1
chr11	96180002	96180632	631	464	21	71.47	6.41	0.15
chr11	96690692	96692080	1389	815	73	89.74	5.19	0.07
chr11	96827952	96829535	1584	1109	73	200.64	7.21	0
chr11	96838017	96839538	1522	810	89	237.04	7.16	0

chr11	96902531	96903572	1042	530	44	148.59	13.15	0.1
chr11	97010866	97012685	1820	686	92	172.94	5.58	0.07
chr11	97047874	97050520	2647	1781	165	367.75	6.79	0
chr11	97170475	97171812	1338	509	65	183.3	9.25	0
chr11	97223160	97224054	895	398	33	76.21	8.09	0.12
chr11	97512444	97513202	759	527	27	75.11	6.15	0.13
chr11	97513579	97514587	1009	284	38	82.6	4.62	0.11
chr11	97520298	97522390	2093	950	95	149.58	5.3	0.1
chr11	97563349	97565266	1918	513	85	101.74	5.64	0.08
chr11	97605142	97607059	1918	1479	86	133.87	5.86	0.08
chr11	97627387	97628532	1146	502	81	212.46	11.63	0
chr11	97643204	97644334	1131	606	71	208.77	9.65	0
chr11	97658148	97658819	672	264	28	77.53	5.66	0.12
chr11	97660458	97661646	1189	905	52	153.4	6.12	0.1
chr11	97690404	97692192	1789	1048	79	76.78	5.25	0.12
chr11	97744458	97745599	1142	517	47	88.26	5.73	0.07
chr11	97848803	97850699	1897	1425	147	555.08	12.35	0
chr11	97887456	97888687	1232	770	66	85.44	4.15	0.07
chr11	98010379	98011305	927	465	37	127.6	10.18	0.07
chr11	98054287	98055151	865	459	42	123.7	7.71	0.07
chr11	98063284	98065132	1849	1208	117	238.23	5.71	0
chr11	98219126	98220289	1164	510	47	113.19	6.35	0.06
chr11	98261167	98262247	1081	458	45	75.83	5.39	0.14
chr11	98448137	98449045	909	457	43	79.82	8.93	0.1
chr11	98543066	98544449	1384	802	70	194.78	9.93	0
chr11	98634628	98635696	1069	751	45	72.73	4.05	0.15
chr11	98649900	98651085	1186	505	51	119.64	6.62	0.07
chr11	98655555	98656956	1402	964	63	172.15	6.07	0.07
chr11	98657324	98658502	1179	593	51	131.11	7.46	0.08
chr11	98670652	98671729	1078	532	44	134.42	11.42	0.08
chr11	98724408	98725499	1092	517	45	74.58	6.29	0.13
chr11	98820556	98822106	1551	527	66	90.81	4.32	0.07
chr11	98901033	98903568	2536	1450	122	259.88	6.47	0
chr11	98903808	98905108	1301	801	55	81.64	5.86	0.1
chr11	99091223	99092692	1470	467	69	284.05	13.98	0
chr11	100180558	100182780	2223	1208	122	266.65	8.96	0
chr11	100301886	100302629	744	473	28	72.95	7.24	0.15
chr11	100333543	100334542	1000	454	47	175.26	12.14	0.07
chr11	100388572	100389828	1257	568	65	144.52	6.59	0.09
chr11	100406681	100407511	831	286	37	75.67	6.53	0.13
chr11	100435786	100437009	1224	198	49	85	4.29	0.07
chr11	100479871	100481431	1561	1034	75	195.16	7.72	0
chr11	100483790	100485668	1879	438	71	133.58	7.74	0.08
chr11	100598910	100600090	1181	546	66	187.3	9.44	0

chr11	100711068	100712256	1189	500	50	162.83	7.45	0.06
chr11	100800155	100801509	1355	530	70	125.97	6.52	0.07
chr11	100869351	100871345	1995	1432	97	225	8.09	0
chr11	100943372	100944912	1541	626	63	86.25	4.18	0.07
chr11	100956253	100957370	1118	457	46	85.67	5.5	0.07
chr11	100980591	100981761	1171	538	52	84.72	5.02	0.06
chr11	101032299	101032889	591	398	25	85.71	8.09	0.07
chr11	101087033	101088181	1149	560	58	126.25	5.99	0.07
chr11	101114631	101115591	961	437	34	114.11	10.49	0.06
chr11	101139700	101140846	1147	666	45	73.18	4.98	0.13
chr11	101176455	101178117	1663	866	83	280.08	9.89	0
chr11	101285915	101287338	1424	546	69	104.43	5.76	0.06
chr11	101326213	101327678	1466	478	61	111.29	5.83	0.06
chr11	101328844	101330129	1286	406	45	105.67	5.81	0.06
chr11	101412804	101415360	2557	1407	139	189.22	5.69	0
chr11	101488758	101489892	1135	446	46	94.81	5.28	0.07
chr11	101505677	101506603	927	439	31	98.5	8.09	0.08
chr11	101593893	101594989	1097	446	54	92.89	5.22	0.07
chr11	101844832	101846468	1637	1175	80	78.72	4.25	0.12
chr11	102017105	102018188	1084	526	47	119.43	7.32	0.07
chr11	102046058	102046974	917	692	45	113.56	6.07	0.06
chr11	102090217	102091940	1724	1185	65	205.99	8.66	0
chr11	102106076	102106980	905	492	43	116.68	7.72	0.07
chr11	102145701	102147011	1311	494	64	72.75	4.47	0.15
chr11	102157756	102159267	1512	958	96	246.17	6.97	0
chr11	102170120	102171515	1396	985	53	103.97	5.15	0.06
chr11	102177694	102180888	3195	1081	153	436.65	8.26	0
chr11	102180922	102182188	1267	574	61	145.2	8.09	0.09
chr11	102268233	102270500	2268	1691	107	211.03	6.84	0
chr11	102289948	102292767	2820	1529	201	549.75	7.82	0
chr11	102298255	102299468	1214	643	51	85.56	5.09	0.07
chr11	102416934	102418239	1306	638	58	200.94	8.6	0
chr11	102558470	102559539	1070	588	49	71.68	4.8	0.15
chr11	102741762	102742963	1202	598	74	163.53	9.1	0.06
chr11	102877947	102878951	1005	429	53	158.53	11.03	0.11
chr11	102888128	102890408	2281	1692	138	272.11	6.86	0
chr11	102963721	102964658	938	464	44	99.58	6.8	0.08
chr11	102975987	102979531	3545	639	202	373.9	6.07	0
chr11	102993050	102994839	1790	1135	98	211.38	6.25	0
chr11	103032003	103032906	904	386	35	82.65	5.92	0.11
chr11	103223840	103225217	1378	788	58	79.66	3.78	0.1
chr11	103273430	103274550	1121	524	52	134.08	7.36	0.08
chr11	103558359	103559752	1394	943	81	286.84	9.71	0
chr11	103827378	103828770	1393	946	61	113.36	5.6	0.06

chr11	103840189	103841401	1213	727	54	158.09	9.85	0.11
chr11	104197399	104198026	628	304	21	71.76	6.98	0.15
chr11	104301663	104304563	2901	1445	160	520.78	10.12	0
chr11	104330169	104331165	997	481	51	230.5	12.22	0
chr11	104411100	104412518	1419	845	58	125.16	6.62	0.07
chr11	105042114	105042946	833	408	30	95.63	9.11	0.08
chr11	105043176	105043907	732	316	26	79.53	6.66	0.1
chr11	105926692	105927916	1225	734	50	126.94	7.66	0.07
chr11	105944936	105946868	1933	557	96	157.09	5.74	0.11
chr11	106018782	106019838	1057	531	41	79.09	6.6	0.1
chr11	106020368	106021830	1463	1264	60	132.08	5.22	0.08
chr11	106054395	106055704	1310	632	72	189.5	8.41	0
chr11	106077303	106079289	1987	1031	114	409.29	12.69	0
chr11	106116595	106118071	1477	497	62	121.75	5.73	0.07
chr11	106133393	106134976	1584	1104	89	177.87	6.52	0.07
chr11	106348405	106349672	1268	719	61	171.02	9.25	0.06
chr11	106361433	106363329	1897	847	86	172.49	7.44	0.07
chr11	106612772	106613962	1191	630	60	143.9	8.41	0.09
chr11	106639929	106641455	1527	833	82	229.59	10.9	0
chr11	106647660	106651158	3499	2139	248	793.41	11.82	0
chr11	106680570	106681422	853	539	31	73.91	5.84	0.13
chr11	106781490	106782783	1294	794	63	223.71	12.37	0
chr11	106872757	106874681	1925	1422	101	286.03	13.61	0
chr11	106991809	106992949	1141	676	41	101.61	5.39	0.08
chr11	106993236	106993834	599	189	21	75.31	8.74	0.13
chr11	107330099	107332285	2187	1038	108	240.39	5.5	0
chr11	107340307	107341427	1121	547	50	92.53	7.49	0.07
chr11	108872808	108873850	1043	341	200	245.21	7.79	0
chr11	109222899	109225395	2497	1921	125	142.36	4.81	0.09
chr11	109278534	109279628	1095	470	40	72.09	5.28	0.15
chr11	109286558	109287870	1313	635	75	98.07	4.34	0.08
chr11	109333490	109334218	729	285	31	90.6	6.74	0.07
chr11	109334556	109335765	1210	554	64	179.48	8.09	0
chr11	109511084	109512907	1824	1610	70	163.81	5.9	0.06
chr11	110926840	110927957	1118	692	55	76.42	5.32	0.12
chr11	113033597	113034504	908	469	40	144.16	10.75	0.09
chr11	113510409	113511459	1051	384	42	97.49	6.16	0.08
chr11	113544709	113545962	1254	680	53	107.11	5.39	0.06
chr11	114528963	114530390	1428	905	56	130.53	9.3	0.08
chr11	114536457	114537306	850	399	34	86.79	8.09	0.07
chr11	114750965	114752509	1545	692	81	146.97	6.79	0.09
chr11	114753161	114754648	1488	801	58	156.98	5.98	0.11
chr11	114791520	114793445	1926	1168	95	171.46	6.42	0.06
chr11	114794415	114796140	1726	1144	105	232.05	7.05	0

chr11	114862042	114863384	1343	467	57	129.76	5.52	0.08
chr11	114932073	114933862	1790	963	77	116.71	5.58	0.07
chr11	115024052	115025402	1351	648	72	235.37	9.71	0
chr11	115048333	115051686	3354	482	167	161.05	5.26	0.11
chr11	115137768	115139034	1267	506	72	107.83	5.54	0.06
chr11	115273518	115275582	2065	1203	122	185.92	5.32	0
chr11	115280781	115281649	869	507	38	119.63	7.19	0.07
chr11	115336419	115337651	1233	415	50	113.51	6.68	0.06
chr11	115373862	115376249	2388	1810	110	221.64	10.03	0
chr11	115397246	115398391	1146	562	47	86.82	6.47	0.07
chr11	115425144	115426170	1027	507	49	90.37	8.65	0.07
chr11	115464691	115465862	1172	609	64	195.66	10.67	0
chr11	115473570	115474665	1096	672	45	121.53	6.81	0.07
chr11	115489058	115490040	983	492	55	79.34	6.64	0.1
chr11	115569226	115570264	1039	627	49	93.67	5.2	0.07
chr11	115626367	115627553	1187	447	50	101.31	4.72	0.08
chr11	115674891	115676744	1854	1157	73	111.59	5.6	0.06
chr11	115794376	115795461	1086	537	50	73.6	5.56	0.13
chr11	115865777	115866754	978	411	40	109.11	7.66	0.06
chr11	115873446	115874395	950	465	32	87.76	8.09	0.07
chr11	115881974	115883255	1282	773	50	84.5	4.85	0.06
chr11	115884810	115886430	1621	973	110	215.36	8.31	0
chr11	115891076	115892690	1615	706	95	160.77	4.94	0.11
chr11	115938391	115940188	1798	1405	89	190.87	6.22	0
chr11	115947418	115949347	1930	1461	80	150.13	7.08	0.1
chr11	115970538	115973231	2694	563	146	455.26	8.17	0
chr11	116059493	116061301	1809	1314	101	188.71	5.82	0
chr11	116167532	116168670	1139	615	47	127.04	6.81	0.07
chr11	116294712	116296380	1669	534	75	159.41	6.41	0.11
chr11	116484990	116485997	1008	512	46	132.07	8.09	0.08
chr11	116703800	116705388	1589	558	81	70.12	3.68	0.16
chr11	116712485	116715868	3384	1966	205	547.41	9.96	0
chr11	116729045	116730095	1051	495	44	101.48	5.88	0.08
chr11	116937584	116938785	1202	538	58	146.93	8.44	0.09
chr11	116975538	116977168	1631	653	83	206.55	8.43	0
chr11	117515309	117516615	1307	540	59	115.25	5.29	0.06
chr11	117640392	117643107	2716	694	121	217.76	5.49	0
chr11	117709633	117710917	1285	728	75	232.08	11.96	0
chr11	117847664	117849599	1936	387	71	89.92	4.52	0.07
chr11	118108569	118110722	2154	1484	107	124.71	5.03	0.07
chr11	118216177	118217030	854	664	36	115.19	7.06	0.06
chr11	118279604	118280841	1238	704	65	163.09	8.41	0.06
chr11	118319927	118321141	1215	585	58	88.96	5.56	0.07
chr11	119099008	119100278	1271	396	45	120.5	6.37	0.07

chr11	119160909	119162019	1111	337	45	112.2	6.47	0.06
chr11	119215706	119217432	1727	971	88	163.49	4.66	0.06
chr11	119250980	119252326	1347	653	73	82.09	4.43	0.1
chr11	119463681	119464786	1106	618	46	87.09	5.83	0.07
chr11	119774561	119775957	1397	844	65	96.49	5.39	0.08
chr11	119803862	119804954	1093	611	57	158.89	10.2	0.11
chr11	119959477	119960678	1202	785	60	72.14	4.26	0.15
chr11	120011975	120013221	1247	679	54	74.4	4.18	0.13
chr11	120091594	120093240	1647	931	59	123.28	5.75	0.07
chr11	120205156	120206976	1821	1176	86	325.77	9.64	0
chr11	120208473	120212148	3676	3224	212	716.08	12.14	0
chr11	120239633	120240553	921	390	36	77.92	6.99	0.12
chr11	120298134	120299412	1279	783	47	89.25	5.15	0.07
chr11	120318808	120319844	1037	543	51	134.06	9.15	0.08
chr11	120328487	120329518	1032	554	47	90.57	6.59	0.07
chr11	120345256	120346415	1160	622	57	156.1	9.19	0.11
chr11	120352830	120354460	1631	411	65	109.86	5.5	0.06
chr11	120371832	120372479	648	321	25	88.61	8.63	0.07
chr11	120409891	120411632	1742	1267	71	123.2	5.5	0.07
chr11	120433626	120435276	1651	574	92	190.02	7.55	0
chr11	120437654	120438871	1218	804	44	73.55	5.49	0.13
chr11	120440726	120443956	3231	2243	166	262.06	7.33	0
chr11	120459292	120460535	1244	675	65	221.13	11.07	0
chr11	120478809	120479721	913	437	48	107.5	8.96	0.06
chr11	120485401	120486859	1459	892	67	148.33	6.41	0.1
chr11	120490482	120492397	1916	502	88	106.15	3.81	0.06
chr11	120493423	120495365	1943	569	118	376.5	9.98	0
chr11	120533925	120535120	1196	431	58	156.11	8.09	0.11
chr11	120657149	120658282	1134	559	58	184.63	10.92	0
chr11	120851820	120853041	1222	668	60	126.99	6.53	0.07
chr11	121089872	121091129	1258	703	59	128.8	6.8	0.08
chr11	121097568	121099208	1641	1011	85	104.84	4.47	0.06
chr11	121120440	121121595	1156	743	50	128.8	8.13	0.08
chr11	121215016	121216342	1327	747	108	351.18	16.72	0
chr11	121563238	121565453	2216	586	151	364.65	9.61	0
chr12	3235007	3236307	1301	746	88	192.87	7.17	0
chr12	3426318	3427954	1637	398	70	74.98	3.09	0.13
chr12	3855748	3856930	1183	473	55	121.32	6.41	0.07
chr12	3861004	3862834	1831	1436	76	143.72	6.15	0.09
chr12	4082232	4083432	1201	809	51	82	4.62	0.1
chr12	4599435	4600157	723	361	30	97.39	8.99	0.08
chr12	4823590	4824657	1068	531	48	120.06	6.62	0.07
chr12	4923663	4925429	1767	543	92	273.81	8.86	0
chr12	8503507	8504932	1426	454	55	134.38	7.24	0.08

chr12	8506272	8507522	1251	540	79	145.75	6.34	0.09
chr12	8680309	8681736	1428	517	71	183.26	10.9	0
chr12	8928169	8929344	1176	695	63	95.13	5.84	0.07
chr12	9036410	9037425	1016	511	52	167.28	10.92	0.06
chr12	10397184	10398503	1320	939	70	152.16	5.49	0.1
chr12	11272180	11273465	1286	471	53	85.65	5.09	0.07
chr12	16595961	16596753	793	537	31	100.89	8.6	0.08
chr12	16900444	16902527	2084	960	107	197.69	6.74	0
chr12	17006319	17008001	1683	661	99	387.78	14.38	0
chr12	17550967	17551958	992	490	39	95.43	8.5	0.08
chr12	17888189	17889145	957	439	33	99.66	10.79	0.08
chr12	21378895	21380177	1283	551	65	202.9	8.09	0
chr12	21422849	21424076	1228	479	66	146.97	5.2	0.09
chr12	25335448	25337006	1559	480	73	155.62	6.47	0.11
chr12	25779989	25782001	2013	1055	114	239.53	6.24	0
chr12	25782779	25785155	2377	1012	111	296.18	7.89	0
chr12	25785312	25786193	882	386	38	97.9	7.29	0.08
chr12	29319984	29321383	1400	972	66	114.94	5.3	0.06
chr12	29359867	29360973	1107	609	56	167.55	7.32	0.06
chr12	32318853	32320084	1232	789	52	196.96	12.14	0
chr12	32633800	32635535	1736	536	99	284.72	9.93	0
chr12	32745109	32746138	1030	196	37	92.25	5.61	0.07
chr12	33063160	33065051	1892	1236	104	219.12	7.25	0
chr12	33504299	33506160	1862	984	87	229.06	6.93	0
chr12	33638189	33639330	1142	635	46	73.12	4.79	0.13
chr12	33832024	33833131	1108	402	46	81.73	5.6	0.1
chr12	35731004	35732901	1898	938	102	219.02	6.65	0
chr12	36883008	36884772	1765	998	62	103.08	4.05	0.06
chr12	40763519	40764521	1003	414	45	85.33	5.99	0.07
chr12	40948867	40950575	1709	473	78	104.99	4.78	0.06
chr12	41171984	41173103	1120	532	57	113.59	5.02	0.06
chr12	45310409	45311789	1381	540	71	181.2	8.76	0
chr12	45369543	45371052	1510	699	66	173.73	6.47	0.07
chr12	52448632	52449682	1051	510	47	88.11	6.29	0.07
chr12	52478152	52479089	938	395	34	111.11	8.31	0.06
chr12	52791907	52793714	1808	468	83	214.35	6.93	0
chr12	52929918	52931381	1464	580	77	275.07	9.44	0
chr12	55757049	55758074	1026	560	49	90.51	7.53	0.07
chr12	55796298	55799415	3118	569	152	236.84	6	0
chr12	55896084	55897081	998	490	47	139.51	8.9	0.09
chr12	55963160	55964091	932	512	36	129.96	8.67	0.08
chr12	56086961	56087832	872	360	29	85.13	8.04	0.07
chr12	56402565	56404671	2107	1442	93	99.52	4.85	0.08
chr12	56499016	56500448	1433	836	74	132.3	5.74	0.08

chr12	56588593	56590309	1717	1241	71	73.36	3.82	0.13
chr12	56591888	56594164	2277	1652	109	258.53	9.81	0
chr12	57446418	57447322	905	413	30	75.73	9.04	0.13
chr12	60112673	60113765	1093	594	45	121.93	7.24	0.07
chr12	60161876	60162863	988	476	42	99.47	5.15	0.08
chr12	60167258	60168475	1218	557	52	106.89	6.07	0.06
chr12	60231464	60232862	1399	449	70	253.39	8.09	0
chr12	60319762	60321320	1559	795	76	123.36	5.74	0.07
chr12	66066366	66067499	1134	194	48	104.58	4.57	0.06
chr12	70259116	70261115	2000	953	91	217.86	8.09	0
chr12	70284242	70285957	1716	626	82	168.4	6.22	0.06
chr12	70297732	70299464	1733	519	73	141.62	7.42	0.09
chr12	70342467	70343457	991	452	44	109.54	6.99	0.06
chr12	70397196	70398336	1141	399	44	90.57	5.52	0.07
chr12	70457809	70458535	727	263	30	72.03	5.88	0.15
chr12	70462078	70463061	984	462	47	113.99	8.09	0.06
chr12	70472375	70474143	1769	674	109	279.1	8.67	0
chr12	70548684	70549770	1087	497	52	112.12	7.16	0.06
chr12	70638227	70640130	1904	968	91	207.24	6.07	0
chr12	71087243	71088785	1543	394	68	191.63	8.09	0
chr12	71212482	71213244	763	362	26	71.68	7.31	0.15
chr12	71328148	71329030	883	451	55	156.96	8.39	0.11
chr12	71553585	71554727	1143	724	52	83.35	4.85	0.06
chr12	71926121	71926986	866	388	35	90.09	7.28	0.07
chr12	72038225	72039404	1180	465	53	187.1	12.14	0
chr12	72068880	72071191	2312	629	126	258.99	7.53	0
chr12	72075349	72076354	1006	417	39	82.38	6.99	0.11
chr12	72115679	72117495	1817	849	98	149.77	5.78	0.1
chr12	72151724	72152712	989	425	37	80.03	6.93	0.1
chr12	73186033	73187537	1505	1140	80	164.01	5.58	0.06
chr12	73861108	73862426	1319	924	64	161.72	8.44	0.11
chr12	74387282	74388289	1008	416	50	108.11	7.49	0.06
chr12	74685094	74686193	1100	480	46	154.09	10.18	0.1
chr12	75008097	75010562	2466	995	120	148.53	5.09	0.1
chr12	75065030	75066112	1083	517	49	92.95	6.29	0.07
chr12	77469603	77473037	3435	797	215	817.51	10.95	0
chr12	77504356	77505719	1364	829	74	191.26	6.8	0
chr12	77633883	77635195	1313	710	61	155.03	6.62	0.1
chr12	78062497	78063672	1176	511	56	90.75	5.22	0.07
chr12	78339204	78340447	1244	687	55	105.04	6.22	0.06
chr12	79849317	79850713	1397	373	57	115.4	5.28	0.06
chr12	79962290	79963617	1328	861	61	119.38	5.22	0.07
chr12	80272608	80274158	1551	1034	87	231.41	9.06	0
chr12	80396767	80398468	1702	386	84	153.39	5.3	0.1

chr12	81207376	81208644	1269	392	56	142.66	5.78	0.09
chr12	81211867	81214682	2816	2119	156	324.48	7.53	0
chr12	81214866	81217360	2495	1274	108	303.74	7.11	0
chr12	81233143	81234155	1013	499	66	212.12	10.03	0
chr12	81360888	81362096	1209	606	56	73.16	4.52	0.13
chr12	81535816	81536508	693	330	27	83.81	6.19	0.06
chr12	81537273	81538264	992	264	43	140.48	8.09	0.09
chr12	81563893	81564565	673	343	28	88.11	6.81	0.07
chr12	81891050	81892386	1337	668	66	123.54	5.58	0.07
chr12	82039379	82040713	1335	529	59	125.5	6.07	0.07
chr12	82046194	82047633	1440	319	123	479.62	10.89	0
chr12	82585497	82586408	912	455	37	94.91	8.9	0.07
chr12	82695377	82696523	1147	603	57	233.58	13.48	0
chr12	82961018	82961764	747	385	28	86.14	7.4	0.07
chr12	84972815	84973646	832	405	33	120.03	10.1	0.07
chr12	85028665	85029772	1108	506	47	102.99	7.74	0.06
chr12	85262380	85263356	977	464	40	96.5	6.93	0.08
chr12	85328477	85329352	876	521	31	71.33	6.25	0.15
chr12	85533669	85535471	1803	1311	85	128.71	5.74	0.08
chr12	85558925	85560372	1448	538	63	174.96	6.35	0.07
chr12	85625664	85626970	1307	822	58	98.5	6.07	0.08
chr12	85749450	85750362	913	388	38	88.8	5.52	0.07
chr12	85791411	85792508	1098	450	50	72.16	4.3	0.15
chr12	86113241	86114870	1630	872	91	217.8	7.49	0
chr12	86451193	86452351	1159	608	50	150.4	9.44	0.1
chr12	86620785	86621874	1090	643	47	171.66	10.25	0.06
chr12	86679686	86681525	1840	548	95	284.82	10.58	0
chr12	86681629	86682637	1009	537	37	77.81	5.01	0.12
chr12	86714725	86716464	1740	1327	83	169.84	5.6	0.06
chr12	86726115	86727191	1077	499	51	74.48	4.9	0.13
chr12	86812702	86816978	4277	2158	251	729.88	11.46	0
chr12	86818430	86819547	1118	551	50	128.81	7.6	0.08
chr12	86826660	86827793	1134	615	49	86.54	5.69	0.07
chr12	87045986	87047121	1136	559	53	88.35	7.01	0.07
chr12	87164976	87166372	1397	824	75	149.36	7.55	0.1
chr12	87582258	87583942	1685	625	70	110.52	5.09	0.06
chr12	88173925	88175846	1922	887	67	73.91	4.33	0.13
chr12	88223388	88226345	2958	2499	117	168.33	6.89	0.06
chr12	88228694	88230250	1557	600	71	190.88	6.74	0
chr12	88235136	88236320	1185	401	41	90.96	4.95	0.07
chr12	88607047	88608125	1079	181	39	77.94	4.55	0.12
chr12	88783912	88785220	1309	357	52	125.41	5.7	0.07
chr12	88812484	88813558	1075	377	39	80.08	6.55	0.1
chr12	92826322	92827788	1467	483	79	299.36	11.22	0

chr12	92827813	92829533	1721	526	110	366.41	12.66	0
chr12	92830434	92831179	746	251	25	80.53	6.79	0.1
chr12	93004367	93005191	825	583	37	78.8	4.77	0.12
chr12	99496734	99497914	1181	444	58	137.07	6.41	0.08
chr12	99503607	99504454	848	447	38	87.26	6.41	0.07
chr12	100630851	100631754	904	521	33	92.21	10.95	0.07
chr12	101202376	101204564	2189	1599	105	241.21	6.81	0
chr12	101397171	101398543	1373	924	61	93.21	4.46	0.07
chr12	101424918	101426881	1964	685	117	344.08	8.09	0
chr12	101437048	101439287	2240	695	157	479.14	14.68	0
chr12	102016838	102017909	1072	510	72	218.64	11.69	0
chr12	102320891	102322421	1531	1027	81	156.71	8.63	0.11
chr12	103213642	103215008	1367	633	70	130.75	5.39	0.08
chr12	103520949	103521707	759	363	32	109.29	8.88	0.06
chr12	103676525	103678418	1894	1348	89	149.44	5.3	0.1
chr12	103707035	103708054	1020	467	59	127.84	7.57	0.08
chr12	103884604	103885548	945	451	37	85.15	5.78	0.07
chr12	103995473	103996912	1440	539	61	200.56	10.11	0
chr12	104116263	104117163	901	558	38	138.86	10.79	0.09
chr12	104663543	104664604	1062	499	50	85.32	5.66	0.07
chr12	106922973	106924184	1212	785	48	101.4	6.25	0.08
chr12	107022697	107023581	885	352	42	150.77	9.99	0.1
chr12	109417052	109418293	1242	846	65	132.94	5.86	0.08
chr12	110030263	110031559	1297	604	60	180.55	7.24	0
chr12	110031905	110033229	1325	844	50	120.05	7.24	0.07
chr12	111684319	111685368	1050	474	52	111.64	6.29	0.06
chr12	111828993	111830575	1583	743	94	76.7	3.89	0.12
chr12	111933900	111935049	1150	589	58	214.46	11.9	0
chr12	111975623	111976718	1096	577	54	93.03	6	0.07
chr12	112082452	112084095	1644	1114	80	128.75	7.57	0.08
chr12	112088188	112089341	1154	289	46	106.86	5.66	0.06
chr12	112216584	112217910	1327	1141	48	106.95	6.07	0.06
chr12	112615492	112616548	1057	521	46	168.77	9.64	0.06
chr12	112679600	112683011	3412	1306	179	223.47	6.12	0
chr12	112693255	112694870	1616	1096	72	139.99	7.02	0.09
chr12	112775474	112777729	2256	1201	181	674.98	10.25	0
chr12	112812041	112813274	1234	748	46	109.81	7.24	0.06
chr12	112915719	112916787	1069	547	47	102.04	8.09	0.05
chr12	112950530	112951982	1453	874	62	124.72	6.07	0.07
chr12	112996404	112998159	1756	568	97	197.03	7.28	0
chr12	113855053	113856763	1711	1262	69	89.57	4.71	0.07
chr12	113857595	113859516	1922	1516	95	138.44	4.9	0.09
chr12	113882428	113883501	1074	598	55	86.42	5.71	0.07
chr12	113926381	113927687	1307	360	51	87.49	5.73	0.07

chr12	113931136	113932303	1168	631	53	105.71	7.16	0.06
chr12	113998299	113999436	1138	751	42	81.65	5.52	0.1
chr12	114046761	114047618	858	370	35	80.66	6.25	0.1
chr12	114066835	114067735	901	413	32	75.67	5.54	0.13
chr12	114238290	114239674	1385	842	71	132.64	5.39	0.08
chr12	114312180	114313317	1138	774	53	109.77	4.67	0.06
chr12	114336549	114337520	972	401	36	112.09	8.87	0.06
chr12	117501007	117501768	762	461	30	72.02	5.39	0.15
chr12	117518615	117520355	1741	1049	91	162.59	6.52	0.12
chr12	119080284	119080909	626	369	21	72.05	7.57	0.15
chr12	119540030	119541048	1019	470	44	70.23	5.3	0.16
chr13	3536552	3538831	2280	1385	117	371.04	9.22	0
chr13	5844221	5845392	1172	637	55	82.51	5.56	0.11
chr13	5859643	5864197	4555	1218	259	700.76	8.76	0
chr13	5869156	5871347	2192	1733	105	200.65	5.99	0
chr13	8869803	8870949	1147	616	57	109.64	6.14	0.06
chr13	8884517	8885593	1077	560	51	108.67	7.47	0.06
chr13	8995041	8995984	944	391	38	70.58	5.83	0.16
chr13	9092601	9093594	994	524	40	88.65	8.09	0.07
chr13	12552992	12554450	1459	789	76	159.89	7.22	0.11
chr13	12560529	12561506	978	398	38	75.85	4.92	0.14
chr13	12657468	12658754	1287	726	60	171.89	8.5	0.06
chr13	13615936	13617071	1136	211	43	80.91	4.57	0.1
chr13	13630575	13631514	940	564	37	103.89	8.09	0.06
chr13	14155550	14156634	1085	649	48	123.3	6.49	0.07
chr13	17786403	17787724	1322	563	67	137.18	5.78	0.08
chr13	17896459	17897934	1476	916	65	70.52	3.93	0.16
chr13	18035694	18036647	954	482	43	146.26	10.47	0.09
chr13	19486950	19488135	1186	710	49	81.33	5.29	0.1
chr13	20181764	20183936	2173	693	121	257.09	6.7	0
chr13	20299689	20300506	818	341	33	80.43	5.39	0.1
chr13	21252234	21253728	1495	506	67	171.05	11.56	0.06
chr13	21259096	21260379	1284	905	50	120.1	8.26	0.07
chr13	21261115	21262090	976	409	38	76.08	6.33	0.12
chr13	21271285	21273198	1914	1375	75	158.64	5.39	0.11
chr13	21291632	21292586	955	522	55	136.65	9.54	0.08
chr13	21454356	21455221	866	477	36	95.53	8.5	0.08
chr13	21494041	21495031	991	493	44	162.19	12.61	0.11
chr13	21545060	21545893	834	429	32	73.15	6.47	0.13
chr13	21560095	21560876	782	430	41	192.61	11.07	0
chr13	21870527	21871947	1421	902	56	94.72	5.83	0.07
chr13	22066289	22067290	1002	658	47	124.25	8.83	0.07
chr13	22142436	22143393	958	445	40	105.16	5.66	0.06
chr13	23515237	23516842	1606	545	66	108.64	6.95	0.06

chr13	23522899	23523855	957	468	36	78.81	6.93	0.12
chr13	23524227	23525383	1157	683	48	74.88	4.62	0.13
chr13	23529482	23530506	1025	494	50	162	13.2	0.11
chr13	23610554	23611876	1323	361	68	172.45	7.69	0.07
chr13	23621824	23624180	2357	465	121	275.08	9.85	0
chr13	23635438	23636529	1092	895	41	111.81	8.37	0.06
chr13	23643113	23643987	875	402	29	76.11	8.3	0.12
chr13	23665896	23666497	602	402	28	116.62	10.28	0.07
chr13	23672969	23674024	1056	524	64	239.7	15.78	0
chr13	23676398	23677575	1178	480	50	122.79	7.32	0.07
chr13	23712800	23714953	2154	784	118	368.5	11.23	0
chr13	23789186	23790823	1638	1100	83	175.43	11.09	0.07
chr13	23829680	23832553	2874	1959	183	520.21	10.27	0
chr13	23848436	23849283	848	403	30	80.86	8.94	0.1
chr13	23852849	23853900	1052	448	53	198.31	10.53	0
chr13	24853048	24854426	1379	982	49	76.47	5.07	0.12
chr13	24891676	24894763	3088	1450	214	588.16	9.21	0
chr13	24895221	24896924	1704	754	69	144.28	4.78	0.09
chr13	24907503	24909906	2404	1320	176	539.19	11.56	0
chr13	30075620	30077213	1594	961	76	219.16	6.88	0
chr13	30636626	30637735	1110	454	48	114.26	6.25	0.06
chr13	30751685	30752702	1018	448	43	89.33	6.74	0.07
chr13	34093730	34094993	1264	566	60	119.17	5.99	0.07
chr13	34169342	34170469	1128	489	49	87.27	6.29	0.07
chr13	36208754	36210293	1540	1045	81	147.72	6	0.1
chr13	37869716	37871401	1686	608	93	215.77	6.52	0
chr13	37917022	37920279	3258	2710	146	398.17	8.37	0
chr13	37949268	37950312	1045	416	39	90.34	5.72	0.07
chr13	38085457	38086582	1126	569	54	191.25	9.52	0
chr13	38296403	38297177	775	403	27	79.08	10.25	0.1
chr13	41096056	41097192	1137	638	45	74.25	4.98	0.13
chr13	42144475	42145383	909	332	41	148.96	9.1	0.1
chr13	43266282	43267262	981	537	41	74.98	6.22	0.13
chr13	43493510	43494379	870	316	45	81.05	5.28	0.1
chr13	43576178	43577717	1540	940	67	199.38	7.68	0
chr13	43654850	43656134	1285	572	54	107.97	5.06	0.06
chr13	44826370	44827249	880	445	34	100.28	7.1	0.08
chr13	45484558	45485645	1088	595	68	199.63	13.07	0
chr13	46058592	46059577	986	462	40	108.06	8.09	0.06
chr13	46059630	46061051	1422	518	68	234.5	7.57	0
chr13	46764383	46765288	906	464	35	74.88	5.88	0.13
chr13	46822533	46823916	1384	845	84	309.65	18.61	0
chr13	46831109	46832163	1055	606	42	97	5.01	0.08
chr13	47025109	47026336	1228	792	54	122.18	6.33	0.07

chr13	47138349	47139364	1016	577	48	97.36	7.19	0.08
chr13	47200445	47202034	1590	1088	62	193.68	10.69	0
chr13	48640689	48642426	1738	1126	89	171.1	5.86	0.06
chr13	48966477	48967212	736	175	33	117.24	8.24	0.07
chr13	48973627	48974562	936	412	45	94.43	7.19	0.07
chr13	49063320	49064291	972	506	46	170.97	11.49	0.06
chr13	49282543	49284640	2098	549	101	184.47	4.91	0
chr13	49310538	49311988	1451	776	76	145.7	4.85	0.09
chr13	49342378	49343840	1463	1086	59	90.47	6.59	0.07
chr13	49402009	49405039	3031	2515	144	199.4	5.56	0
chr13	49436315	49437372	1058	546	50	85.84	5.93	0.07
chr13	49515915	49516953	1039	502	46	120.25	8.86	0.07
chr13	49748078	49749180	1103	689	49	76.11	4.58	0.12
chr13	51739919	51741106	1188	429	47	138.6	6.7	0.09
chr13	51746599	51747532	934	539	40	76.25	6.53	0.12
chr13	51828933	51830626	1694	1186	99	183.97	6.25	0
chr13	51941520	51942725	1206	599	57	157.52	8.09	0.11
chr13	52677935	52679364	1430	696	74	189.75	7.08	0
chr13	53472231	53473354	1124	546	68	278.84	18.43	0
chr13	54569803	54570577	775	372	34	77.24	8.43	0.12
chr13	54666201	54667083	883	458	31	96.35	7.01	0.08
chr13	54676099	54677160	1062	564	44	83.38	5.83	0.06
chr13	54690959	54692112	1154	652	50	78.61	4.74	0.12
chr13	54788253	54790069	1817	1336	100	222.23	7.22	0
chr13	54794085	54796381	2297	1645	116	163.49	5.95	0.06
chr13	54890385	54891224	840	406	33	88.15	6.39	0.07
chr13	55206241	55207004	764	498	33	82.69	7.36	0.11
chr13	55311724	55314491	2768	1485	144	451.7	8.26	0
chr13	55422735	55423774	1040	530	42	77.09	6.15	0.12
chr13	55463237	55464718	1482	895	89	149.85	5.69	0.1
chr13	55545334	55546953	1620	555	74	191.96	8.87	0
chr13	55637303	55638523	1221	667	53	98.9	7.47	0.08
chr13	55723884	55724941	1058	492	45	126.69	8.52	0.07
chr13	55736094	55736871	778	336	37	82.98	6.53	0.11
chr13	55794065	55795360	1296	434	53	159.16	9.04	0.11
chr13	55828158	55829237	1080	376	41	101.72	6.39	0.08
chr13	56236517	56237568	1052	502	54	173.65	10.52	0.07
chr13	56279553	56280615	1063	471	53	120.67	6.53	0.07
chr13	58229526	58231090	1565	989	103	263.62	7.55	0
chr13	58316578	58317611	1034	504	44	97.7	9.15	0.08
chr13	58502479	58504903	2425	858	161	407.19	6.74	0
chr13	58582313	58583198	886	417	32	89.31	8.6	0.07
chr13	59870891	59872121	1231	635	66	70.03	4.7	0.16
chr13	59923586	59925104	1519	842	81	326.27	14.66	0

chr13	60773936	60775048	1113	852	43	83.45	4.92	0.06
chr13	63065908	63066760	853	330	48	117.58	7.51	0.07
chr13	63341056	63342602	1547	419	62	121.07	7.04	0.07
chr13	63356554	63357646	1093	641	44	82.29	4.62	0.1
chr13	63532801	63533495	695	495	28	90.15	8.18	0.07
chr13	64230153	64231363	1211	457	50	104.65	5.98	0.06
chr13	64253366	64255816	2451	330	102	188.63	5.73	0
chr13	64262837	64263803	967	274	38	130.34	7.6	0.08
chr13	64462414	64463148	735	469	26	78.07	6.57	0.12
chr13	64470993	64472350	1358	639	94	406.1	17.46	0
chr13	65213847	65214899	1053	534	44	114.37	8.9	0.06
chr13	65341647	65343316	1670	1129	87	154.17	8.05	0.1
chr13	67005605	67006804	1200	928	47	104.59	6.16	0.06
chr13	67033411	67034864	1454	977	68	73.96	3.72	0.13
chr13	67182030	67182834	805	543	30	81.5	5.84	0.1
chr13	67653429	67654386	958	609	38	100.6	6.81	0.08
chr13	67710153	67710994	842	496	35	136.93	12.82	0.08
chr13	69673437	69674510	1074	343	49	139.67	7.69	0.09
chr13	69750000	69751479	1480	877	80	145.06	5.56	0.09
chr13	73740804	73741882	1079	561	61	204.05	11.94	0
chr13	73940425	73941765	1341	812	63	74.16	3.6	0.13
chr13	74198958	74200118	1161	697	46	143.67	8.54	0.09
chr13	74345501	74347033	1533	541	67	130.36	6.8	0.08
chr13	74396833	74398655	1823	1304	94	163.89	4.96	0.06
chr13	74486860	74488097	1238	847	47	71.74	4.98	0.15
chr13	74631170	74631971	802	390	29	72.85	8.22	0.15
chr13	74776777	74777883	1107	647	46	92.43	4.38	0.07
chr13	74907638	74908373	736	425	30	75.29	6.93	0.13
chr13	75844438	75846088	1651	557	66	143.42	6.87	0.09
chr13	76155153	76156706	1554	978	83	170.79	6.14	0.06
chr13	77847494	77848581	1088	517	46	79.22	6.29	0.1
chr13	81022052	81024254	2203	656	117	412.8	15.28	0
chr13	81024312	81026096	1785	720	127	430.67	8.74	0
chr13	81101929	81102589	661	380	26	77.05	6.29	0.12
chr13	81922013	81923326	1314	920	45	78.6	4.2	0.12
chr13	83663672	83664250	579	228	23	77.82	6.41	0.12
chr13	85427463	85429640	2178	1323	120	321.85	8.43	0
chr13	86185423	86186294	872	583	37	120.28	6.66	0.07
chr13	90228276	90229943	1668	783	94	336.88	10.22	0
chr13	91062298	91063407	1110	356	54	218.03	10.25	0
chr13	91362770	91363950	1181	405	44	75.25	4.05	0.13
chr13	91510061	91511045	985	525	37	98.27	6.29	0.08
chr13	91599529	91600703	1175	670	57	123.97	7.78	0.07
chr13	91946523	91947601	1079	812	59	181.87	7.36	0

chr13	93300181	93301563	1383	748	82	136.26	6.34	0.08
chr13	93380391	93381383	993	429	41	105.97	8.09	0.06
chr13	93962023	93963137	1115	552	62	132.38	7.01	0.08
chr13	94073205	94074296	1092	532	51	100.89	6.29	0.08
chr13	94943597	94944899	1303	925	42	94.37	4.43	0.07
chr13	95054701	95056001	1301	505	54	106.02	6.07	0.06
chr13	95128213	95129360	1148	578	53	91.78	5.58	0.07
chr13	95558718	95559531	814	516	30	98.68	7.01	0.08
chr13	95745989	95747041	1053	690	44	129.48	7.64	0.08
chr13	96144686	96145721	1036	691	39	96.4	5.96	0.08
chr13	97312122	97313101	980	504	42	79.51	6.53	0.1
chr13	97440301	97441649	1349	868	68	112.09	5.31	0.06
chr13	97907466	97908388	923	513	35	108.41	10.62	0.06
chr13	98010150	98011426	1277	687	57	97.95	5.2	0.08
chr13	99032510	99033800	1291	469	70	135.68	7.05	0.08
chr13	99086190	99087532	1343	897	58	224.14	10.49	0
chr13	99584044	99585906	1863	1160	91	238.25	8.09	0
chr13	99660554	99661150	597	399	22	82.13	6.99	0.1
chr13	99695319	99696968	1650	1089	99	310.22	8.09	0
chr13	100114154	100115108	955	518	38	88.98	6.55	0.07
chr13	100873601	100874488	888	459	49	162.97	10.02	0.06
chr13	101420671	101421937	1267	765	54	117.06	5.63	0.07
chr13	101513631	101514959	1329	395	52	121.85	6.07	0.07
chr13	101602891	101603897	1007	567	39	72.36	7.42	0.15
chr13	102536750	102539091	2342	1231	105	244.18	6.99	0
chr13	104709300	104711383	2084	1633	95	377.61	10.99	0
chr13	104899045	104900082	1038	839	44	144.52	7.36	0.09
chr13	104967642	104968681	1040	563	41	106.63	6.81	0.06
chr13	105018281	105019442	1162	493	58	145.33	8.43	0.09
chr13	106083684	106084898	1215	692	58	245.13	13.98	0
chr13	107726510	107727497	988	497	43	93.18	8.76	0.07
chr13	107736472	107737598	1127	564	56	103.39	6.7	0.06
chr13	108679803	108682262	2460	473	148	396.78	8.09	0
chr13	108833781	108835033	1253	439	43	101.44	5.07	0.08
chr13	111184654	111185806	1153	634	66	139.26	7.31	0.09
chr13	112279477	112281437	1961	560	103	262.82	7.08	0
chr13	112568626	112569208	583	322	21	73.11	8.26	0.13
chr13	113229881	113230642	762	524	28	73.69	6.16	0.13
chr13	113253686	113254913	1228	679	60	181.22	8.9	0
chr13	113717013	113718255	1243	577	50	107.39	5.52	0.06
chr13	114408234	114409332	1099	571	54	150.27	9.28	0.1
chr13	114425998	114426634	637	317	30	84.77	7.36	0.06
chr13	114583967	114585289	1323	655	69	162.31	7.16	0.11
chr13	117812945	117814355	1411	556	52	146.84	6.49	0.09

chr13	120197365	120198413	1049	467	44	108.1	5.78	0.06
chr13	120216932	120217685	754	381	26	88.37	8.74	0.07
chr13	120250945	120251970	1026	568	42	138.05	11.12	0.09
chr14	9004969	9005970	1002	596	49	115.61	6.15	0.06
chr14	13116527	13117649	1123	571	55	115.46	5.69	0.06
chr14	14844761	14845646	886	346	43	187.53	16.18	0
chr14	15177956	15179125	1170	816	59	120.32	4.88	0.07
chr14	15465300	15466331	1032	609	38	113.51	6.11	0.06
chr14	17081501	17082466	966	408	40	117.83	9.44	0.07
chr14	19070556	19071654	1099	511	54	79.15	4.52	0.1
chr14	19164064	19164534	471	193	21	93.76	11.65	0.07
chr14	20642503	20643886	1384	684	56	105.32	4.72	0.06
chr14	20794993	20796887	1895	1407	74	178.58	6.39	0
chr14	21166963	21168044	1082	582	57	113.69	8.36	0.06
chr14	21212160	21213490	1331	436	67	99.46	5	0.08
chr14	21298107	21299089	983	425	39	75.06	4.72	0.13
chr14	21364795	21366221	1427	1003	56	198.04	9.32	0
chr14	21459749	21461344	1596	580	74	123.83	6.14	0.07
chr14	21492765	21494229	1465	628	77	155.83	6.97	0.11
chr14	21513750	21515161	1412	499	77	190.09	7.47	0
chr14	21526029	21527134	1106	558	45	73.02	4.49	0.13
chr14	21552416	21554282	1867	1166	95	226.11	6.85	0
chr14	21748140	21749118	979	516	34	103.82	8.69	0.06
chr14	21871007	21872299	1293	772	67	76.94	3.64	0.12
chr14	22319154	22320795	1642	949	93	392.22	12.64	0
chr14	22525441	22526756	1316	815	51	126.42	6.39	0.07
chr14	22649896	22651341	1446	697	80	130.27	5.78	0.08
chr14	22838285	22840137	1853	804	87	190.95	8	0
chr14	25598107	25599209	1103	622	42	136.93	7.55	0.08
chr14	26197643	26199065	1423	981	64	116.26	5.09	0.07
chr14	26278200	26281991	3792	489	212	766.65	10.73	0
chr14	26300225	26301289	1065	491	41	70.04	3.88	0.16
chr14	27398497	27400249	1753	863	110	369.56	11.4	0
chr14	27456859	27458928	2070	734	125	270.48	6.79	0
chr14	27488362	27489854	1493	1030	61	168.26	6.26	0.06
chr14	27783315	27784191	877	545	40	130.88	9.44	0.08
chr14	28241578	28243134	1557	502	95	362.18	11.76	0
chr14	30780844	30782352	1509	935	64	77.56	4.05	0.12
chr14	30791040	30792259	1220	662	55	121.23	6.41	0.07
chr14	31292296	31293283	988	405	42	83.3	6.8	0.06
chr14	31361969	31363573	1605	414	66	171.67	9.37	0.06
chr14	31437336	31440287	2952	989	135	326.43	9.15	0
chr14	31467039	31468075	1037	584	59	143.28	10.69	0.09
chr14	31529282	31530401	1120	834	41	79.04	4.78	0.1

chr14	31814075	31815433	1359	901	59	132.77	6.99	0.08
chr14	31831800	31833150	1351	514	63	114.62	5.78	0.06
chr14	31941570	31942711	1142	538	60	107.37	6.83	0.06
chr14	31977703	31982063	4361	1915	270	535.08	7.36	0
chr14	32018926	32020219	1294	891	44	75.83	5.94	0.14
chr14	32063841	32065158	1318	817	90	186.91	8.54	0
chr14	32149333	32150573	1241	587	68	154.99	7.51	0.1
chr14	32248688	32249705	1018	667	65	188	9.29	0
chr14	32307705	32308811	1107	492	48	114.66	6.99	0.06
chr14	32898085	32899501	1417	728	64	110.47	4.91	0.06
chr14	32972768	32974160	1393	396	58	94.15	4.2	0.07
chr14	32978781	32979861	1081	436	38	92.55	5.39	0.07
chr14	35123181	35125240	2060	398	93	262.82	8.75	0
chr14	35486521	35487644	1124	632	48	112.4	6.62	0.06
chr14	41778573	41779569	997	522	41	112.21	9.79	0.06
chr14	45669157	45670613	1457	1058	61	105.62	6.22	0.06
chr14	45937677	45938880	1204	449	47	97.55	6.25	0.08
chr14	46277459	46278654	1196	652	67	124.68	6.86	0.07
chr14	47896189	47897406	1218	553	58	144.51	7.39	0.09
chr14	47992606	47997486	4881	1386	327	896.17	9.54	0
chr14	47998399	48000757	2359	1530	87	204.51	5.69	0
chr14	48002167	48003904	1738	1229	79	160.25	5.5	0.11
chr14	48005414	48007809	2396	650	137	565.02	11.43	0
chr14	48008393	48009506	1114	920	36	103.95	7.12	0.06
chr14	48091984	48092733	750	273	27	88.13	7.51	0.07
chr14	49065517	49066504	988	363	50	129.49	7.42	0.08
chr14	49685569	49686720	1152	550	55	138.24	7.74	0.09
chr14	49791250	49792069	820	416	36	85.82	6.33	0.07
chr14	51427032	51428145	1114	605	57	155.37	11.26	0.11
chr14	51549224	51551367	2144	980	121	187.2	5.17	0
chr14	51682253	51685420	3168	2680	183	420.41	9.54	0
chr14	51708634	51710845	2212	1708	115	309.12	8.44	0
chr14	52638820	52640464	1645	799	102	328.95	9.46	0
chr14	52723396	52724608	1213	666	65	130.97	5.12	0.08
chr14	52816575	52818230	1656	267	62	154.36	5.84	0.1
chr14	52876694	52878011	1318	712	64	153.33	7.08	0.1
chr14	52898674	52899671	998	532	40	121.11	7.61	0.07
chr14	52924090	52925332	1243	759	60	178.79	7.28	0
chr14	55027905	55029318	1414	442	48	76.74	5.39	0.12
chr14	55135642	55137071	1430	898	87	232.6	10.49	0
chr14	55172905	55173851	947	529	48	118.91	5.83	0.07
chr14	55304579	55306315	1737	1163	107	328.07	8.43	0
chr14	55495065	55496143	1079	438	52	148.33	6.93	0.1
chr14	55501698	55502949	1252	389	61	173.56	9.63	0.07

chr14	55512110	55513785	1676	753	86	215.7	8.76	0
chr14	55633037	55634862	1826	896	100	135.04	4.68	0.08
chr14	55713352	55714378	1027	548	48	157.09	10.73	0.11
chr14	56097409	56098361	953	382	40	155.61	11.07	0.11
chr14	56178286	56180032	1747	702	116	198.23	5.26	0
chr14	56196825	56197791	967	435	35	83.59	6.81	0.06
chr14	56209380	56210961	1582	569	75	153.5	6.22	0.1
chr14	56222047	56223788	1742	1177	88	114.45	4.27	0.06
chr14	56261564	56262831	1268	639	81	299.9	10.4	0
chr14	56290527	56291524	998	502	44	76.99	6.36	0.12
chr14	56299922	56301254	1333	803	79	236.38	13.48	0
chr14	56503304	56504272	969	547	36	95.36	7.68	0.07
chr14	57194005	57194945	941	516	41	100.58	9.19	0.08
chr14	57286364	57287804	1441	511	70	134.03	5.78	0.08
chr14	57395958	57397837	1880	1209	87	169.58	4.98	0.06
chr14	57505800	57507200	1401	406	49	159.42	8.24	0.11
chr14	58016936	58017856	921	547	37	88.09	7.32	0.07
chr14	58189965	58190904	940	399	45	110.05	6.74	0.06
chr14	58283259	58284257	999	484	38	73.5	7.04	0.13
chr14	58364150	58365583	1434	960	51	121.34	6.29	0.07
chr14	58416362	58417364	1003	407	41	72.41	4.98	0.15
chr14	58444687	58445538	852	451	32	76.13	6.07	0.12
chr14	60059352	60060383	1032	494	41	149.92	13.29	0.1
chr14	60216267	60217402	1136	533	75	213.78	13.58	0
chr14	61791224	61792628	1405	417	48	85	5.68	0.07
chr14	61928247	61929955	1709	1089	83	228.79	8.07	0
chr14	62058307	62059288	982	571	39	109.88	7.19	0.06
chr14	62175002	62176287	1286	833	70	201.43	9.5	0
chr14	62299472	62302888	3417	2140	223	796.79	12.12	0
chr14	62589821	62591214	1394	216	62	82.84	4.8	0.11
chr14	62950687	62951770	1084	619	54	177.58	9.37	0.07
chr14	63378356	63381397	3042	1742	173	498.22	9.15	0
chr14	63455856	63458244	2389	763	114	71.47	2.99	0.15
chr14	63721649	63723024	1376	967	57	106.26	4.72	0.06
chr14	63740816	63744224	3409	1883	224	576.45	8.37	0
chr14	63744395	63745604	1210	684	50	81.37	4.78	0.1
chr14	63746020	63751903	5884	1199	306	454.61	5.15	0
chr14	63762642	63765541	2900	2497	146	286.37	6.18	0
chr14	64162025	64162983	959	465	39	112.92	7.19	0.06
chr14	65058804	65060290	1487	561	68	142.1	5.53	0.09
chr14	65568111	65569198	1088	555	47	88.53	5.6	0.07
chr14	65716418	65717326	909	464	29	78.07	10.37	0.12
chr14	65961920	65963541	1622	575	84	202.72	6.47	0
chr14	65977256	65978181	926	520	33	77.97	5.96	0.12

chr14	66899108	66900278	1171	667	48	113.22	6.93	0.06
chr14	67487232	67488596	1365	360	64	146.4	6.41	0.09
chr14	67627457	67628333	877	424	38	105.16	6.47	0.06
chr14	68333096	68334582	1487	991	68	74.75	3.6	0.13
chr14	70131800	70133690	1891	503	74	127.86	5.73	0.08
chr14	70205242	70205940	699	464	25	73.43	6.82	0.13
chr14	70456237	70457432	1196	692	53	72.06	4.05	0.15
chr14	70552892	70554070	1179	444	48	99	5.28	0.08
chr14	70842592	70843743	1152	526	49	70.49	4.85	0.16
chr14	70976987	70978017	1031	480	43	73.23	5.09	0.13
chr14	71166787	71167823	1037	581	38	85.07	5.66	0.07
chr14	73109332	73110694	1363	396	72	259.41	8.54	0
chr14	73537720	73539045	1326	837	57	97.75	5.09	0.08
chr14	73542625	73543766	1142	727	48	122.85	7.61	0.07
chr14	73571760	73573202	1443	947	94	298.23	10.34	0
chr14	73637292	73641832	4541	557	225	292.64	5.95	0
chr14	73754922	73755838	917	439	36	94.84	6.81	0.07
chr14	73781256	73783233	1978	1517	81	144.06	6.15	0.09
chr14	73783584	73785427	1844	1372	115	285.19	8.09	0
chr14	73841456	73842438	983	488	42	74.64	6.89	0.13
chr14	73924271	73925458	1188	443	51	83.51	5.78	0.06
chr14	75131695	75132730	1036	317	49	99.28	5.69	0.08
chr14	75577246	75581334	4089	1811	191	266.77	5.06	0
chr14	75683515	75684662	1148	580	59	107.42	6.79	0.06
chr14	76153652	76154631	980	508	39	80.26	5.28	0.1
chr14	76186231	76187363	1133	572	58	175.28	8.86	0.07
chr14	76228553	76229868	1316	828	50	92.53	4.92	0.07
chr14	76233603	76234440	838	425	35	73.94	6.74	0.13
chr14	76234485	76235467	983	480	40	70.44	4.36	0.16
chr14	76244125	76246016	1892	577	119	261.48	6.83	0
chr14	76510184	76511356	1173	424	60	83.94	4.72	0.06
chr14	76813717	76815002	1286	750	69	216.4	9.63	0
chr14	79132246	79133154	909	518	38	148.08	11.65	0.1
chr14	79789992	79790984	993	633	60	260.35	14.75	0
chr14	79880382	79883173	2792	596	155	441.95	10.9	0
chr14	79986519	79987854	1336	527	70	202.89	8.09	0
chr14	102038836	102039770	935	457	35	93.31	7.19	0.07
chr14	103380202	103382751	2550	2015	130	351.95	8.11	0
chr14	103468983	103470286	1304	640	66	184.69	7.72	0
chr14	103497682	103499523	1842	1031	100	294.6	10.3	0
chr14	105575770	105576914	1145	802	48	140.41	7.19	0.09
chr14	118488247	118489382	1136	388	48	117.76	6.55	0.07
chr14	118531466	118532583	1118	561	45	81.27	6.47	0.1
chr14	120675135	120676145	1011	560	40	94.03	6.25	0.07

chr14	120876115	120877885	1771	1093	99	168.65	5.95	0.06
chr14	121161613	121162489	877	362	38	74.34	4.05	0.13
chr14	121309560	121310663	1104	552	43	84.46	5.98	0.06
chr14	121777075	121779517	2443	1697	113	316.04	6.22	0
chr14	122277039	122278252	1214	732	51	96.62	5.5	0.08
chr14	122503854	122504790	937	438	35	99.59	11.9	0.08
chr15	3220184	3221543	1360	809	68	208.52	10.92	0
chr15	3231556	3232532	977	486	34	83.15	6.74	0.11
chr15	3928777	3930469	1693	629	73	137.94	6.8	0.09
chr15	3945013	3946470	1458	682	86	211.7	8.96	0
chr15	3975973	3977941	1969	1501	88	247.36	8.09	0
chr15	5065912	5067123	1212	399	58	71.81	4.05	0.15
chr15	5093498	5094399	902	464	32	75.56	6.81	0.13
chr15	6335829	6337109	1281	1002	49	128.4	8.09	0.08
chr15	6518690	6521532	2843	2352	110	72.15	3.08	0.15
chr15	8118531	8119624	1094	477	52	172.86	10.79	0.07
chr15	8393434	8394630	1197	563	64	293.52	15.6	0
chr15	11924935	11926152	1218	777	47	78.8	6.15	0.12
chr15	12046736	12048012	1277	726	67	281.48	11.18	0
chr15	12134179	12135390	1212	673	64	103.79	5.71	0.06
chr15	12250773	12252359	1587	650	65	235.12	8.09	0
chr15	25343046	25343800	755	404	24	75.27	8.09	0.13
chr15	27610703	27611898	1196	658	63	130.49	6.14	0.08
chr15	27955423	27956229	807	392	38	98.22	6.33	0.08
chr15	31296652	31297646	995	646	42	125.68	8.54	0.07
chr15	31530977	31532350	1374	958	63	125.01	5.91	0.07
chr15	33012358	33013410	1053	763	42	80.51	5.06	0.1
chr15	34011966	34013126	1161	669	64	147.92	7.51	0.1
chr15	34372358	34373953	1596	755	80	218.03	6.99	0
chr15	35300599	35301889	1291	628	58	89.56	4.85	0.07
chr15	35867499	35868443	945	456	41	79.37	7.16	0.1
chr15	36103287	36104199	913	395	42	93.17	6.15	0.07
chr15	36537668	36539734	2067	1038	114	239.85	8.93	0
chr15	36721906	36724381	2476	772	111	158.79	5.39	0.11
chr15	36936835	36937910	1076	528	47	101.11	7.42	0.08
chr15	37889846	37891351	1506	782	83	133.78	7.17	0.08
chr15	38228436	38232417	3982	2025	206	261.9	7.19	0
chr15	38397774	38398658	885	401	33	77.36	5.26	0.12
chr15	38399854	38401573	1720	660	91	174.28	6.47	0.07
chr15	38402423	38404009	1587	927	72	159.34	6.51	0.11
chr15	38448523	38449756	1234	720	70	144.95	5.74	0.09
chr15	38943636	38944982	1347	836	55	81.69	6.07	0.1
chr15	39774540	39776346	1807	1043	68	267.36	11.07	0
chr15	41278545	41279363	819	403	27	84.35	7.36	0.06

chr15	44450307	44451628	1322	830	63	155.85	6.68	0.11
chr15	50481002	50481899	898	397	30	94.95	7.46	0.07
chr15	50719805	50721881	2077	1075	88	293.43	9.98	0
chr15	54943557	54944507	951	407	35	91.41	8.54	0.07
chr15	57752673	57753682	1010	485	44	135.61	8.99	0.08
chr15	57807187	57808284	1098	418	66	136.58	9.07	0.08
chr15	57865252	57866264	1013	573	38	87.79	6.07	0.07
chr15	57907286	57908660	1375	439	72	187.75	7.08	0
chr15	57966082	57967308	1227	692	63	179.96	7.72	0
chr15	57972534	57973591	1058	382	40	76.01	5.28	0.14
chr15	58719928	58721551	1624	665	77	133.07	5.02	0.08
chr15	58764675	58765822	1148	709	62	212.1	10.73	0
chr15	58912385	58914050	1666	1135	86	206.31	8.09	0
chr15	59205228	59206320	1093	512	63	141.13	7.01	0.09
chr15	59479478	59480856	1379	797	68	184.06	8.09	0
chr15	63890364	63891595	1232	760	62	148.01	6.15	0.1
chr15	67008049	67009919	1871	556	89	170.51	5.39	0.06
chr15	68089087	68091552	2466	918	111	117.57	4.62	0.07
chr15	72920585	72921854	1270	785	78	194.74	6.14	0
chr15	73475651	73476596	946	502	33	70.66	9.71	0.16
chr15	74539305	74540203	899	492	32	74.85	6.32	0.13
chr15	75671845	75672989	1145	503	71	197.1	8.69	0
chr15	75687021	75688446	1426	484	71	126.75	4.58	0.07
chr15	75770907	75771983	1077	550	50	109.73	7.44	0.06
chr15	75899621	75900714	1094	508	45	107.5	7.32	0.06
chr15	75910263	75911995	1733	1023	96	72.13	4.21	0.15
chr15	76028002	76029515	1514	459	67	106.73	4.51	0.06
chr15	76173580	76174508	929	359	36	116.84	7.78	0.07
chr15	76180750	76182617	1868	997	97	146.07	5.71	0.09
chr15	76210236	76211631	1396	733	70	97.35	5.09	0.08
chr15	76307446	76308487	1042	466	50	92.76	5.86	0.07
chr15	76341658	76343180	1523	710	96	169.08	5.47	0.06
chr15	76406263	76407401	1139	607	68	207.38	9.1	0
chr15	76437420	76438505	1086	544	51	133.78	10.3	0.08
chr15	76455946	76457583	1638	612	67	125.44	6.07	0.07
chr15	76501893	76502643	751	264	34	80.54	5.73	0.1
chr15	76545355	76546748	1394	458	83	198.18	9.21	0
chr15	76553668	76555491	1824	607	82	133.54	6.47	0.08
chr15	76717187	76717763	577	369	20	71.59	8.74	0.15
chr15	76729776	76730895	1120	629	48	100.25	6.74	0.08
chr15	76755592	76756476	885	445	40	97.49	7.04	0.08
chr15	76778543	76779564	1022	450	41	108.93	7.24	0.06
chr15	77670834	77673375	2542	1014	117	243.05	5.31	0
chr15	78004273	78005376	1104	550	57	116	7.53	0.07

chr15	78074754	78076151	1398	476	79	176.65	7.53	0.07
chr15	78155865	78156708	844	297	34	112.74	7.59	0.06
chr15	78236559	78237457	899	343	36	103.5	7.19	0.06
chr15	78427206	78430229	3024	1058	172	379.85	9.21	0
chr15	78706833	78708617	1785	1036	117	393.51	10.07	0
chr15	78729765	78731152	1388	457	58	137.31	7.32	0.08
chr15	78756706	78758815	2110	383	99	230.11	7.36	0
chr15	78858046	78859513	1468	799	69	208.92	8.52	0
chr15	78892762	78893952	1191	706	51	99.44	5.83	0.08
chr15	78938616	78940096	1481	425	58	177.29	6.83	0.07
chr15	79059228	79060309	1082	511	47	100.33	6.07	0.08
chr15	79158068	79159679	1612	659	72	100.82	4.7	0.08
chr15	79187683	79188722	1040	463	46	90.06	5.6	0.07
chr15	79375981	79378295	2315	1464	123	117.67	4.52	0.07
chr15	79501043	79501661	619	199	23	82.93	7.87	0.11
chr15	79571678	79573095	1418	783	62	108.11	5.39	0.06
chr15	79722413	79723182	770	344	29	93.49	6.18	0.07
chr15	79844054	79845860	1807	1301	101	376.91	17.98	0
chr15	79901719	79903236	1518	971	71	160.28	7.75	0.11
chr15	79911222	79914605	3384	2610	180	282.7	9.52	0
chr15	79963145	79964970	1826	634	94	270.62	6.82	0
chr15	80063872	80064977	1106	590	54	78.25	5.47	0.12
chr15	80085152	80087075	1924	855	163	377.1	9.27	0
chr15	80088024	80089479	1456	526	59	110.5	5.39	0.06
chr15	80540901	80542322	1422	671	73	85.57	4.56	0.07
chr15	80778475	80779339	865	289	37	75.57	6.15	0.13
chr15	81229694	81231056	1363	845	74	191.44	8.09	0
chr15	81295958	81297088	1131	619	53	163.59	8.52	0.06
chr15	81352363	81354282	1920	1304	144	556.32	12.36	0
chr15	81354308	81355168	861	413	28	75.85	6.62	0.14
chr15	81415143	81417438	2296	892	161	823.2	16.5	0
chr15	81524043	81525103	1061	562	41	70.47	6.47	0.16
chr15	81640403	81642445	2043	887	131	373.31	9.8	0
chr15	81666155	81667524	1370	894	54	111.62	6.99	0.06
chr15	81687976	81690869	2894	686	165	323.8	9.4	0
chr15	81701888	81703423	1536	948	92	147.05	7.45	0.09
chr15	81877199	81878188	990	479	38	110.31	6.19	0.06
chr15	82169000	82169828	829	492	30	70.59	6.19	0.16
chr15	82176102	82177558	1457	506	75	114.23	6.42	0.06
chr15	82184150	82185440	1291	751	76	157.35	6.57	0.11
chr15	82863279	82864407	1129	377	53	84.51	5.22	0.06
chr15	82978663	82980470	1808	1197	86	165.24	5.69	0.06
chr15	83002094	83003225	1132	622	59	115.36	7.28	0.06
chr15	83294649	83295471	823	413	31	74.43	6.88	0.13

chr15	83393143	83394315	1173	776	47	83.72	4.53	0.06
chr15	83425121	83425950	830	427	32	113.83	9.55	0.06
chr15	84022169	84023288	1120	614	54	105.33	6.36	0.06
chr15	84753003	84754317	1315	838	58	82.83	4.85	0.11
chr15	84818229	84818999	771	282	33	81.74	6.99	0.1
chr15	85166440	85167447	1008	419	51	171.32	7.66	0.06
chr15	85483210	85484843	1634	1087	98	223.16	8.36	0
chr15	85662413	85663096	684	350	30	97.82	7.64	0.08
chr15	85689810	85690651	842	550	32	72.48	5.39	0.15
chr15	85709407	85710096	690	446	26	73.35	6.29	0.13
chr15	85966054	85967015	962	645	38	72.97	5.06	0.15
chr15	85998970	86000496	1527	630	62	91.58	4.2	0.07
chr15	86012158	86014579	2422	1063	114	199.08	5.2	0
chr15	86014712	86017185	2474	1751	144	371.25	9.02	0
chr15	86043404	86045869	2466	1368	128	160.38	6.34	0.11
chr15	88562837	88564227	1391	804	59	182.63	8.57	0
chr15	88564459	88565371	913	436	34	120.17	8.16	0.07
chr15	88581203	88582134	932	430	45	123.79	7.36	0.07
chr15	88691967	88693345	1379	940	70	176.69	6.42	0.07
chr15	88693518	88694836	1319	926	48	72.61	5.18	0.15
chr15	88905226	88906706	1481	1044	62	145.23	6.9	0.09
chr15	88953096	88953971	876	515	54	123.43	9.35	0.07
chr15	89003058	89004663	1606	590	72	161.42	5.25	0.11
chr15	89007386	89008807	1422	891	65	90.79	4.3	0.07
chr15	89010264	89011985	1722	1279	87	192.29	7.16	0
chr15	89026124	89027452	1329	895	56	93.17	5.09	0.07
chr15	89145242	89146322	1081	501	56	140.18	7.44	0.09
chr15	89185546	89186688	1143	609	54	186.24	10.35	0
chr15	89259621	89260794	1174	634	56	91.01	6.26	0.07
chr15	93105314	93106526	1213	449	63	115.68	5.74	0.06
chr15	93228269	93229004	736	414	30	84.98	8.09	0.07
chr15	94419633	94420809	1177	634	68	242.18	13.75	0
chr15	94421686	94422468	783	584	29	85.8	5.81	0.07
chr15	95620542	95621858	1317	747	68	135.72	5.86	0.08
chr15	96115143	96116390	1248	752	58	140.08	7.74	0.09
chr15	96117691	96118510	820	308	33	100.97	6.08	0.08
chr15	96471454	96473920	2467	1739	122	225.96	7.25	0
chr15	96528828	96531088	2261	1310	102	338.23	13.84	0
chr15	96539586	96541084	1499	888	71	104.58	5.31	0.06
chr15	97614416	97615564	1149	376	57	182.71	10.48	0
chr15	97794120	97795314	1195	545	57	142.57	6.68	0.09
chr15	97923215	97924330	1116	589	50	156.75	6.74	0.11
chr15	97975512	97976566	1055	420	48	193.35	11.95	0
chr15	98364040	98365209	1170	653	62	129.74	6.97	0.08

chr15	98397362	98398918	1557	1027	104	319.67	9.34	0
chr15	98492019	98493722	1704	1352	67	143.94	6.93	0.09
chr15	98593082	98594133	1052	497	50	96.44	7.22	0.08
chr15	98661078	98662665	1588	851	78	256.99	10.67	0
chr15	98701605	98703291	1687	1015	92	235.51	7.77	0
chr15	98747927	98749140	1214	550	60	140.34	8.09	0.09
chr15	98783110	98784293	1184	751	43	95.03	6.81	0.07
chr15	98815032	98816663	1632	1109	78	201.04	7.36	0
chr15	98822856	98824529	1674	1232	68	110.56	5.91	0.06
chr15	98859950	98861695	1746	560	93	146.95	5.47	0.09
chr15	99081931	99082832	902	442	39	107.28	8.5	0.06
chr15	99162934	99164683	1750	1568	64	96.73	3.83	0.08
chr15	99222749	99224412	1664	761	80	100.94	5.55	0.08
chr15	99532094	99533136	1043	478	45	114.25	8.48	0.06
chr15	99555595	99556825	1231	551	62	98.02	4.9	0.08
chr15	99601839	99603435	1597	914	76	260.39	8.57	0
chr15	99802535	99803912	1378	702	79	164.22	6.26	0.06
chr15	99869660	99870528	869	490	34	107.19	7.94	0.06
chr15	100057209	100059344	2136	902	102	183.81	7.8	0
chr15	100325125	100326213	1089	508	48	110.5	8.44	0.06
chr15	100381975	100383064	1090	383	48	178.54	10.25	0
chr15	100445004	100447226	2223	1536	137	224.77	6.64	0
chr15	100909016	100909989	974	468	45	117.39	7.72	0.07
chr15	100975018	100977202	2185	1016	87	123.26	6.7	0.07
chr15	101003850	101004701	852	434	33	99.98	9.15	0.08
chr15	101076524	101077362	839	451	33	88.28	8.09	0.07
chr15	101114092	101115299	1208	518	54	70.19	3.92	0.16
chr15	101903619	101904995	1377	581	68	102.67	4.9	0.06
chr15	102033405	102034368	964	521	33	79.39	8.09	0.1
chr15	102076340	102078737	2398	520	107	118.88	4.05	0.07
chr15	102109389	102110541	1153	564	74	276.71	11.56	0
chr15	102180608	102181690	1083	561	45	139.84	9.52	0.09
chr15	102229684	102230814	1131	546	62	190.84	8.46	0
chr15	102235280	102237624	2345	870	139	82.46	3.55	0.11
chr15	102300398	102301945	1548	429	81	209.09	9.78	0
chr15	102347964	102349733	1770	928	117	286.75	7.31	0
chr15	102454979	102456491	1513	529	68	86.21	4.17	0.07
chr15	103069459	103071643	2185	642	100	260.51	6.68	0
chr15	103135101	103136236	1136	551	50	107.85	5.73	0.06
chr15	103196224	103197603	1380	793	71	229.93	9.96	0
chr15	103283778	103285335	1558	451	61	90.17	5.2	0.07
chr16	3742734	3745429	2696	1439	150	164.73	5.39	0.06
chr16	3884011	3884966	956	411	35	79.29	6.88	0.1
chr16	4213634	4214526	893	421	35	98.55	7.19	0.08

chr16	4419848	4421206	1359	875	63	212.99	10.95	0
chr16	4557853	4559251	1399	822	64	149.93	8.79	0.1
chr16	4586429	4587301	873	435	36	83.79	6.62	0.06
chr16	4679227	4680186	960	619	40	87.92	6	0.07
chr16	4725984	4726983	1000	466	56	140.34	8.99	0.09
chr16	4879252	4881528	2277	1522	144	404.48	8.61	0
chr16	4885831	4886794	964	538	39	87.39	5.52	0.07
chr16	4963736	4964945	1210	689	56	86.44	4.96	0.07
chr16	5049502	5050760	1259	614	70	75.75	4.6	0.13
chr16	5255514	5256864	1351	482	73	268.58	10.79	0
chr16	8637295	8638300	1006	439	42	81.09	5.5	0.1
chr16	8738757	8739656	900	305	45	187.9	9.64	0
chr16	8829362	8831410	2049	519	100	141.7	4.41	0.09
chr16	10992599	10993672	1074	604	52	176.17	12.14	0.07
chr16	11134005	11135438	1434	801	71	86.39	4.15	0.07
chr16	11175560	11177100	1541	1043	70	93.89	5.15	0.07
chr16	11202723	11203842	1120	723	47	80.34	6.22	0.1
chr16	11253566	11255071	1506	1021	71	109.69	6	0.06
chr16	11322494	11323404	911	533	39	139.65	9.4	0.09
chr16	11908739	11909941	1203	474	50	119.51	5.78	0.07
chr16	13109478	13110793	1316	561	60	140.84	6.33	0.09
chr16	13256123	13257098	976	523	52	142.69	6.74	0.09
chr16	13667883	13668718	836	409	31	72.92	8.09	0.15
chr16	13671596	13673185	1590	883	68	100.05	4.46	0.08
chr16	13754411	13755432	1022	381	45	104.31	6.68	0.06
chr16	13780244	13781393	1150	572	59	145.11	9.71	0.09
chr16	13818491	13820223	1733	991	75	133.74	4.98	0.08
chr16	14158741	14160301	1561	988	98	353.16	11.17	0
chr16	14361022	14362047	1026	665	42	107.07	6.47	0.06
chr16	15594095	15595081	987	466	43	98.88	7.39	0.08
chr16	15637209	15638460	1252	849	63	110.06	6.26	0.06
chr16	15862619	15864033	1415	804	66	100.99	5.74	0.08
chr16	15886325	15888507	2183	1098	125	197.81	6.74	0
chr16	16302324	16303440	1117	648	58	118.77	6.7	0.07
chr16	16358402	16359291	890	323	37	81.65	5.28	0.1
chr16	16526413	16527943	1531	406	56	133.96	7.08	0.08
chr16	16982866	16983993	1128	566	63	112.17	6.42	0.06
chr16	17200961	17201963	1003	558	38	132.8	10.33	0.08
chr16	17233139	17234187	1049	571	52	137.72	9.15	0.09
chr16	17405365	17406772	1408	673	77	149.75	6	0.1
chr16	17530401	17531737	1337	871	60	77.26	4.17	0.12
chr16	17722479	17723471	993	517	43	124.25	11.5	0.07
chr16	17759263	17760116	854	418	36	86.25	8.09	0.07
chr16	17891253	17892305	1053	502	41	137.17	8.09	0.08

chr16	17921534	17922719	1186	600	90	220.99	11.69	0
chr16	18065916	18066879	964	474	34	78.85	7.24	0.12
chr16	18248360	18250303	1944	640	120	206.24	6.78	0
chr16	18811431	18812949	1519	1021	64	92.4	5.86	0.07
chr16	18876229	18877628	1400	412	81	240.33	7.55	0
chr16	20097249	20098624	1376	535	74	180.05	6.85	0
chr16	20140987	20141734	748	326	28	76.92	7.61	0.12
chr16	20301585	20302801	1217	447	45	135.08	6.74	0.08
chr16	20498406	20499496	1091	549	48	98.17	7.12	0.08
chr16	20516524	20517764	1241	573	60	212.38	9.99	0
chr16	20535032	20536078	1047	406	51	96.55	6.42	0.08
chr16	20537140	20538339	1200	415	44	93.22	5.13	0.07
chr16	20610275	20611180	906	413	35	90.78	6.39	0.07
chr16	20611309	20612160	852	345	33	98.67	6.66	0.08
chr16	20651217	20652065	849	423	53	128.69	6.79	0.08
chr16	20672204	20673362	1159	540	53	150.25	7.69	0.1
chr16	21310419	21311545	1127	736	50	97.19	6.22	0.08
chr16	21332738	21334144	1407	572	83	204.88	7.22	0
chr16	21693746	21695236	1491	436	76	124.78	5.03	0.07
chr16	22009074	22010490	1417	498	60	93.78	6.07	0.07
chr16	22265584	22266382	799	484	27	76.45	7.08	0.12
chr16	22439178	22440346	1169	704	47	108.35	6.55	0.06
chr16	22856755	22858422	1668	857	77	101.14	4.9	0.08
chr16	23107006	23108907	1902	904	122	213.43	5.96	0
chr16	23127313	23128501	1189	469	57	169.33	9.71	0.06
chr16	23984153	23985185	1033	835	46	95.36	4.82	0.07
chr16	23987988	23989322	1335	685	73	278.94	11.1	0
chr16	24392993	24394001	1009	572	41	132.35	6.99	0.08
chr16	25041568	25042890	1323	1037	52	71.73	4.46	0.15
chr16	25052527	25053542	1016	556	45	105.13	6.33	0.06
chr16	25058813	25060317	1505	547	66	156.48	6.68	0.11
chr16	27388684	27389521	838	451	27	75.04	7.31	0.13
chr16	29945491	29946537	1047	548	51	139.8	7.36	0.09
chr16	30510218	30511371	1154	624	52	163.4	8.09	0.06
chr16	30587413	30588480	1068	580	40	74.93	5.28	0.13
chr16	31200054	31201981	1928	734	81	93.1	4.05	0.07
chr16	31935135	31936084	950	450	36	74.59	4.78	0.13
chr16	31947714	31949072	1359	869	86	147.05	6.6	0.09
chr16	32163871	32166195	2325	1620	119	190.81	5.56	0
chr16	32246798	32247873	1076	512	54	199.87	16.18	0
chr16	32277156	32278407	1252	386	53	89.54	4.79	0.07
chr16	32331899	32332978	1080	501	57	153.23	9.78	0.1
chr16	32430377	32431456	1080	697	51	108.25	5.6	0.06
chr16	32877160	32878393	1234	611	58	91.48	5.74	0.07

chr16	32913785	32915083	1299	472	58	215.14	11.33	0
chr16	33056032	33057289	1258	582	61	118.24	6.65	0.07
chr16	33178340	33179319	980	518	35	76.65	6.07	0.12
chr16	33184791	33186144	1354	490	64	147.99	7.08	0.1
chr16	33250936	33252107	1172	493	53	111.32	5.5	0.06
chr16	33380424	33381169	746	554	38	134.15	10.78	0.08
chr16	33829649	33830940	1292	717	58	169.26	7.66	0.06
chr16	33891508	33892472	965	575	40	86.85	4.92	0.07
chr16	33921656	33922957	1302	820	54	127.58	6.93	0.07
chr16	35021897	35022865	969	544	39	146.27	9.32	0.09
chr16	35938137	35939519	1383	920	57	85.62	5.2	0.07
chr16	35983005	35984424	1420	1222	48	164.8	7.51	0.06
chr16	36040743	36041750	1008	463	47	110.47	6.07	0.06
chr16	36071087	36072523	1437	692	84	113.22	5.92	0.06
chr16	37539416	37540496	1081	416	54	122.99	6.53	0.07
chr16	37867915	37869163	1249	677	50	152.44	6.37	0.1
chr16	38087816	38090423	2608	1101	134	182.64	4.16	0
chr16	38346765	38347844	1080	651	50	87.7	6.14	0.07
chr16	38452338	38453533	1196	501	54	100.77	5.69	0.08
chr16	38522180	38523327	1148	608	58	155.45	7.39	0.11
chr16	38549732	38550861	1130	538	54	75.25	5.47	0.13
chr16	38562393	38563407	1015	551	53	156.79	12.5	0.11
chr16	38712002	38713503	1502	978	68	165.58	6.99	0.06
chr16	42874758	42876135	1378	947	78	211.38	8.41	0
chr16	42876143	42876808	666	248	24	86.38	8.74	0.07
chr16	43889443	43890545	1103	392	47	124.14	6.47	0.07
chr16	44138547	44141269	2723	1204	167	547.84	10.65	0
chr16	44347029	44348149	1121	849	40	122.31	8.09	0.07
chr16	44724067	44725188	1122	659	49	132.69	8.09	0.08
chr16	45158244	45159553	1310	498	69	192.32	7.77	0
chr16	45742519	45743523	1005	466	42	91.57	7.39	0.07
chr16	49854768	49856559	1792	795	144	527.18	10.27	0
chr16	50431976	50432767	792	461	33	121.2	8.63	0.07
chr16	50528599	50529739	1141	556	47	164.13	9.71	0.06
chr16	50736566	50737565	1000	583	48	105.04	6.22	0.06
chr16	55821289	55822802	1514	931	75	213.88	10.79	0
chr16	55973281	55975217	1937	516	91	226.99	6.99	0
chr16	56029399	56030426	1028	588	44	87.53	5.18	0.07
chr16	56037259	56038538	1280	524	65	156.29	5.5	0.11
chr16	56075250	56076434	1185	775	41	131.39	6.99	0.08
chr16	57121032	57122258	1227	505	49	106.35	5.78	0.06
chr16	57391439	57392007	569	309	37	127.58	8.55	0.07
chr16	59638845	59639821	977	546	47	203.24	13.98	0
chr16	62785951	62787247	1297	530	64	194.36	8.5	0

chr16	64769892	64771254	1363	516	61	240.9	10.98	0
chr16	64850992	64852439	1448	565	87	229.1	8.69	0
chr16	65562421	65563327	907	362	38	95.1	6.16	0.07
chr16	70314087	70315270	1184	763	50	162.51	10.85	0.12
chr16	76373071	76374207	1137	446	52	191.8	9.34	0
chr16	84834583	84836275	1693	615	86	132.85	5.39	0.08
chr16	85173522	85174370	849	362	38	97.46	6.62	0.08
chr16	87432281	87433278	998	607	36	74.29	4.62	0.13
chr16	87440308	87441165	858	368	44	144.23	11.73	0.09
chr16	87454757	87455775	1019	484	43	84.05	5.83	0.06
chr16	87698699	87700883	2185	559	106	295.09	11	0
chr16	90283988	90285646	1659	786	79	236.32	7.13	0
chr16	90727045	90728329	1285	678	63	170.48	6.99	0.06
chr16	90934635	90935887	1253	537	61	183.24	7.69	0
chr16	91010910	91012737	1828	857	118	268.76	6.32	0
chr16	91372575	91374446	1872	793	84	166.29	5.18	0.06
chr16	91405751	91407784	2034	857	133	411.98	9.06	0
chr16	91484693	91486146	1454	396	78	147.17	7.57	0.1
chr16	91546396	91550242	3847	1495	230	621.44	8.8	0
chr16	91646800	91648839	2040	1405	164	721.65	14.2	0
chr16	91688487	91689502	1016	408	45	111.36	6.62	0.06
chr16	91728442	91730005	1564	1091	84	96.04	4.15	0.08
chr16	92019307	92020206	900	372	32	93.45	8.6	0.07
chr16	92057944	92058938	995	551	44	102.88	7.04	0.06
chr16	92300958	92301878	921	501	35	83.31	5.66	0.06
chr16	92465858	92466793	936	447	41	107.32	5.78	0.06
chr16	92696481	92698273	1793	1192	91	118.98	4.49	0.07
chr16	93603664	93604952	1289	533	68	126.82	6.52	0.07
chr16	93711390	93712742	1353	964	65	153.33	5.73	0.1
chr16	93831970	93833405	1436	739	83	151.48	6.19	0.1
chr16	94534056	94535548	1493	982	79	196.89	6.47	0
chr16	94591603	94593049	1447	382	69	189.44	8.86	0
chr16	94747317	94749246	1930	1375	126	235.8	7	0
chr16	94789896	94791805	1910	1548	111	367.99	11.17	0
chr16	94791894	94793113	1220	515	65	250.96	8.57	0
chr16	96212022	96213091	1070	509	44	87.63	6.41	0.07
chr16	96303503	96304920	1418	536	69	205.09	8.9	0
chr16	96348741	96349363	623	457	22	78.79	6.99	0.12
chr16	96349446	96350193	748	273	27	82.38	7.59	0.11
chr16	98143571	98144388	818	192	31	85.45	5.39	0.07
chr16	98182975	98184212	1238	734	59	131.66	7.44	0.08
chr17	3083730	3084968	1239	576	77	138.91	10.06	0.09
chr17	3114074	3115851	1778	931	102	318.96	9.19	0
chr17	4993830	4996509	2680	2060	140	510.22	12.37	0

chr17	5189391	5190615	1225	766	59	157.23	6.25	0.11
chr17	5439933	5441175	1243	435	50	148.26	7.61	0.1
chr17	5491102	5492716	1615	498	72	192.7	8.5	0
chr17	5841073	5842553	1481	338	58	173.6	9.28	0.07
chr17	5848962	5849975	1014	568	44	127.1	8.09	0.07
chr17	6007335	6009244	1910	1389	94	210.25	5.5	0
chr17	6079193	6080388	1196	641	75	149.62	9.25	0.1
chr17	6986649	6987982	1334	661	63	172.34	6.93	0.07
chr17	7373284	7374609	1326	449	67	92.85	3.88	0.07
chr17	8475576	8477060	1485	968	64	75.27	4.17	0.13
chr17	8503557	8504443	887	328	38	102.53	8.01	0.06
chr17	10510612	10511599	988	401	41	128.57	8.09	0.08
chr17	10512093	10513532	1440	711	79	216.34	7.75	0
chr17	10895395	10896307	913	520	30	92.27	7.96	0.07
chr17	13108513	13109909	1397	475	58	106.11	4.85	0.06
chr17	13183765	13186089	2325	1748	99	229.58	6.55	0
chr17	15079771	15080824	1054	494	47	92.85	6.53	0.07
chr17	15700776	15701741	966	455	42	76.71	4.49	0.12
chr17	15840891	15842072	1182	718	47	82.71	5.18	0.11
chr17	15962960	15964148	1189	377	46	151.01	7.01	0.1
chr17	17760985	17763113	2129	637	150	465.44	8.76	0
chr17	17963546	17964332	787	292	31	96.54	7.22	0.08
chr17	17974610	17976077	1468	721	72	203.61	8.09	0
chr17	21081595	21083132	1538	479	68	88.65	4.55	0.07
chr17	21145326	21146331	1006	659	46	167.4	9.1	0.06
chr17	21586759	21587879	1121	636	44	87.11	5.28	0.07
chr17	21653394	21654414	1021	708	39	80.66	4.78	0.1
chr17	21870469	21871049	581	282	25	98.36	7.01	0.08
chr17	23329778	23330384	607	409	21	73.74	6.93	0.13
chr17	23682985	23684685	1701	563	74	111.07	6.7	0.06
chr17	23686851	23687755	905	467	37	75.1	7.42	0.13
chr17	23735775	23736851	1077	531	43	77.23	4.85	0.12
chr17	23876974	23877632	659	423	32	92.73	5.88	0.07
chr17	23908162	23908968	807	376	30	76.05	7.24	0.12
chr17	23927182	23928005	824	315	31	84.81	9.04	0.06
chr17	23939359	23941080	1722	789	87	113.33	4.49	0.06
chr17	24209971	24210811	841	477	49	130.82	6.59	0.08
chr17	24277789	24279016	1228	756	86	317.62	11.61	0
chr17	24298549	24301022	2474	1932	141	172.08	5.92	0.06
chr17	24303569	24307293	3725	2926	221	498.48	6.42	0
chr17	24387802	24388859	1058	380	36	115.24	6.35	0.06
chr17	24550824	24552070	1247	769	68	153.99	8.67	0.1
chr17	24591286	24592587	1302	567	89	133.86	5.03	0.08
chr17	24606715	24607780	1066	475	49	76.29	5.48	0.12

chr17	24615323	24616548	1226	685	68	244.68	11.92	0
chr17	24664233	24665672	1440	496	69	98.53	5.39	0.08
chr17	24686277	24687833	1557	690	105	265.61	8.09	0
chr17	24769028	24770361	1334	425	50	117.37	7.16	0.07
chr17	24806117	24807110	994	469	40	121.65	9.99	0.07
chr17	24832594	24833450	857	445	35	87.43	7.04	0.07
chr17	24844093	24845173	1081	525	65	140.77	9.35	0.09
chr17	24856357	24857494	1138	556	66	148.4	7.55	0.1
chr17	24872579	24874094	1516	964	77	140.64	6.2	0.09
chr17	24986585	24987988	1404	766	78	75.03	4.05	0.13
chr17	25022748	25024159	1412	792	67	131.38	5.99	0.08
chr17	25031401	25032600	1200	550	59	94.96	5.82	0.07
chr17	25269927	25270919	993	576	38	74.17	4.92	0.13
chr17	25409375	25411701	2327	1060	152	319.15	7.61	0
chr17	25864025	25865109	1085	521	47	79.1	4.91	0.1
chr17	25928863	25930185	1323	640	60	148.17	6.62	0.1
chr17	25969187	25970980	1794	974	134	487.36	11.27	0
chr17	25980934	25981906	973	474	53	156.4	8.79	0.11
chr17	26004801	26005734	934	469	37	71.69	6.41	0.15
chr17	26011254	26012552	1299	737	62	79.87	6.47	0.1
chr17	26078368	26079277	910	397	36	95.73	8.94	0.08
chr17	26249835	26250793	959	431	41	98.16	9.19	0.08
chr17	26260211	26261047	837	284	35	78.56	6.33	0.12
chr17	26275193	26276445	1253	492	51	97.97	6.07	0.08
chr17	26380241	26381910	1670	849	75	212.3	6.76	0
chr17	26389358	26390286	929	493	41	76.93	5.99	0.12
chr17	26573949	26574868	920	723	35	83.43	5.26	0.06
chr17	26642840	26646330	3491	2495	220	341.93	6.43	0
chr17	26697902	26698830	929	491	36	93.34	7.66	0.07
chr17	26812857	26813985	1129	561	52	112.33	6.47	0.06
chr17	26851886	26853836	1951	529	93	235.9	8.46	0
chr17	26917883	26918596	714	182	28	80.59	6.22	0.1
chr17	27075887	27077352	1466	897	94	174.82	6.12	0.07
chr17	27270178	27271114	937	619	43	72.08	4.58	0.15
chr17	27340154	27342042	1889	501	89	267.03	8.13	0
chr17	27691799	27694644	2846	1612	154	481.48	9.52	0
chr17	27701689	27703183	1495	1039	69	129.37	5.09	0.08
chr17	27759471	27760764	1294	806	57	95.86	4.91	0.08
chr17	27771620	27772675	1056	550	48	144.7	9.79	0.09
chr17	27957076	27958318	1243	680	61	102.73	6	0.06
chr17	28044257	28045212	956	492	45	96.67	6.85	0.08
chr17	28046015	28047665	1651	696	68	113.14	5.29	0.06
chr17	28343698	28345270	1573	1014	65	136.88	6.33	0.08
chr17	28464939	28465917	979	674	55	159.6	7.75	0.11

chr17	28827590	28829383	1794	829	83	85.61	3.72	0.07
chr17	28937358	28938245	888	471	37	117.98	9.52	0.07
chr17	28938256	28939146	891	287	53	217.91	13.93	0
chr17	29088752	29090141	1390	869	75	291.87	12.45	0
chr17	29143760	29145597	1838	1409	87	338.58	9.36	0
chr17	29168843	29170464	1622	618	94	214.57	6.7	0
chr17	29230239	29231323	1085	509	51	77.62	7.33	0.12
chr17	29231609	29233016	1408	817	67	80.19	3.82	0.1
chr17	29400327	29401480	1154	445	49	106.94	5.28	0.06
chr17	29405339	29406381	1043	527	49	88.22	4.74	0.07
chr17	29571355	29572909	1555	1070	59	74.02	4.18	0.13
chr17	29573738	29574744	1007	587	48	115.81	8.43	0.07
chr17	29626912	29628345	1434	884	81	149.75	5.64	0.1
chr17	29686322	29687251	930	416	36	99.5	9.89	0.08
chr17	29797028	29798168	1141	679	53	103.49	7.49	0.06
chr17	29853391	29854308	918	466	35	78.41	5.39	0.12
chr17	30140989	30142095	1107	527	51	116.8	6.41	0.07
chr17	30712897	30713911	1015	518	67	209.16	9.65	0
chr17	31648580	31649736	1157	628	71	280.17	14.48	0
chr17	31656341	31657618	1278	744	65	115.08	6.52	0.06
chr17	31700544	31702955	2412	1217	121	232.38	6.07	0
chr17	31795281	31796442	1162	583	56	87.75	6.57	0.07
chr17	31971512	31973044	1533	301	57	130.09	6.54	0.08
chr17	31978100	31979006	907	447	32	72.96	6.26	0.15
chr17	32172719	32173919	1201	607	70	250.96	12.14	0
chr17	32420624	32422288	1665	1133	72	272.4	16.76	0
chr17	32457591	32458736	1146	598	61	122.56	5.12	0.07
chr17	32486852	32488034	1183	606	65	112.32	7.14	0.06
chr17	32924455	32925581	1127	695	41	127.67	7.01	0.07
chr17	33027942	33028799	858	262	38	85.9	6.07	0.07
chr17	33531303	33532155	853	392	30	101.8	9.32	0.05
chr17	33691355	33693280	1926	1344	97	248.62	9.5	0
chr17	33693325	33694385	1061	491	40	96.74	6.71	0.08
chr17	33694463	33696497	2035	478	94	192.36	6.8	0
chr17	33698746	33701759	3014	1169	144	291.68	5.38	0
chr17	33821609	33822987	1379	882	86	161.07	7.42	0.11
chr17	33896518	33897946	1429	620	62	89.17	4.05	0.07
chr17	33953784	33955240	1457	485	89	261.11	8.41	0
chr17	34045516	34047371	1856	575	93	154.9	5.22	0.1
chr17	34056063	34057365	1303	739	63	87.65	5	0.07
chr17	34065558	34068964	3407	895	187	361.97	7.55	0
chr17	34092076	34093469	1394	933	73	140.47	7.01	0.09
chr17	34115196	34116268	1073	532	53	91.91	6.26	0.07
chr17	34136685	34137703	1019	497	68	214.54	11.2	0

chr17	34161011	34162108	1098	580	55	169.26	11.16	0.06
chr17	34168016	34169735	1720	835	103	267.2	7.79	0
chr17	34175336	34176278	943	402	37	103.5	5.84	0.06
chr17	34253471	34260878	7408	2735	584	1846.64	15.83	0
chr17	34334331	34335943	1613	1019	68	103.78	7.22	0.06
chr17	34376296	34377332	1037	544	41	94.14	6.16	0.07
chr17	34723669	34725157	1489	1048	82	152.69	5.82	0.1
chr17	34726432	34727559	1128	526	48	105.35	6.68	0.06
chr17	34727792	34729842	2051	1248	109	342.94	11.21	0
chr17	34739910	34741696	1787	784	109	148.12	4.24	0.1
chr17	34742242	34743334	1093	527	45	79.17	6.85	0.1
chr17	34764090	34765396	1307	776	58	98.5	6.07	0.08
chr17	34768756	34770104	1349	619	64	140.74	6.47	0.09
chr17	34783447	34784869	1423	587	85	148.96	5.84	0.1
chr17	34973101	34974464	1364	838	84	218.6	10.69	0
chr17	34986707	34987817	1111	565	55	90.42	6.57	0.07
chr17	35030776	35031743	968	440	37	72.42	7.04	0.15
chr17	35034726	35035714	989	463	45	144.97	10.34	0.09
chr17	35035958	35036919	962	291	39	100.77	5.74	0.08
chr17	35067783	35068862	1080	576	50	74.33	6.32	0.13
chr17	35118367	35119500	1134	613	50	174.2	8.6	0.07
chr17	35137588	35138477	890	255	45	143.27	8.4	0.09
chr17	35182982	35184336	1355	822	62	162.57	8.82	0.12
chr17	35184636	35185621	986	277	37	73.28	4.7	0.13
chr17	35186307	35187952	1646	518	89	194.68	6.93	0
chr17	35187984	35189378	1395	756	83	226.78	9.96	0
chr17	35195518	35196627	1110	512	58	210.02	10.34	0
chr17	35225857	35226867	1011	474	53	78.97	6.29	0.1
chr17	35257611	35258752	1142	807	55	86.92	4.18	0.07
chr17	35262790	35264322	1533	552	73	149.98	8.06	0.1
chr17	35271362	35272947	1586	838	98	212.82	7.33	0
chr17	35301054	35302792	1739	656	94	303.51	7.61	0
chr17	35322632	35324113	1482	548	69	195.04	11.33	0
chr17	35324752	35325614	863	435	34	75.12	5.88	0.13
chr17	35337015	35339430	2416	1915	131	218.25	10.3	0
chr17	35371469	35373448	1980	1420	93	164.51	4.91	0.06
chr17	35377989	35380381	2393	740	144	256.66	6.01	0
chr17	35399387	35400581	1195	683	74	187.47	9.76	0
chr17	35516067	35517073	1007	536	38	88.49	7.69	0.07
chr17	35803975	35805081	1107	607	48	90.65	5.29	0.07
chr17	35958122	35960938	2817	1836	163	438.55	7.49	0
chr17	35973382	35974731	1350	505	67	198.5	6.31	0
chr17	35974844	35975945	1102	380	55	157.27	8.52	0.11
chr17	35977708	35979048	1341	534	73	148.74	6.2	0.1

chr17	35997774	35998884	1111	620	46	81.38	5.6	0.1
chr17	36002512	36004154	1643	1094	74	183	6.4	0
chr17	36004250	36006287	2038	1030	96	244.97	8.24	0
chr17	36046446	36047497	1052	589	47	110.45	8.44	0.06
chr17	36052623	36057521	4899	1334	386	1123.66	12.01	0
chr17	36115824	36117136	1313	920	60	100.83	5.03	0.08
chr17	36367751	36368981	1231	488	72	103.58	7.69	0.06
chr17	36394257	36395307	1051	664	39	97.24	4.78	0.08
chr17	36407837	36409144	1308	612	73	215.41	7.39	0
chr17	36972892	36974574	1683	1044	62	92.21	5.83	0.07
chr17	37088293	37089128	836	470	41	111.81	7.12	0.06
chr17	37094954	37096036	1083	660	49	116.47	6.33	0.07
chr17	39979790	39986237	6448	3247	4887	1188.37	2.65	0
chr17	44913481	44915033	1553	495	79	197.24	8.09	0
chr17	45643406	45644374	969	531	37	93.82	7.24	0.07
chr17	45692114	45693009	896	480	35	81.01	7.32	0.1
chr17	45700350	45701466	1117	511	59	129.79	9.25	0.08
chr17	45708993	45711400	2408	1108	144	486.19	12.71	0
chr17	45822356	45823713	1358	666	60	236.18	9.32	0
chr17	46167069	46168705	1637	822	73	163.24	5.63	0.06
chr17	46168789	46169725	937	514	44	111.15	10.55	0.06
chr17	46289979	46290844	866	536	38	83.63	7.34	0.06
chr17	46297343	46298349	1007	502	44	90.2	8.74	0.07
chr17	46384549	46385450	902	518	47	77.88	6.19	0.12
chr17	46464336	46465455	1120	559	50	201.37	12.22	0
chr17	46782441	46783645	1205	750	84	178.35	8.53	0
chr17	46786865	46787918	1054	498	47	116.69	9.93	0.07
chr17	46810658	46811692	1035	554	55	190.84	12.22	0
chr17	46841249	46842443	1195	644	56	162.41	7.69	0.12
chr17	46888138	46889651	1514	951	86	201.6	7.51	0
chr17	46909454	46910812	1359	953	48	85.46	5.15	0.07
chr17	46919010	46920148	1139	570	50	128.1	6.93	0.08
chr17	46992091	46995666	3576	1689	211	921.17	14.09	0
chr17	47025902	47028437	2536	575	122	234.67	6.34	0
chr17	47146701	47148011	1311	810	51	97.57	6.33	0.08
chr17	47276643	47278632	1990	280	83	202.22	6.07	0
chr17	47747973	47749033	1061	579	53	127.4	8.41	0.07
chr17	47765928	47766849	922	534	37	82.67	5.88	0.11
chr17	47873542	47876127	2586	518	136	359.14	10.11	0
chr17	47905106	47907246	2141	717	117	126.66	4.96	0.07
chr17	48060964	48061930	967	642	38	72.4	5.39	0.15
chr17	48426075	48426910	836	395	31	109.57	9.25	0.06
chr17	48485353	48488634	3282	1197	180	209.78	5.06	0
chr17	48494797	48495998	1202	420	55	155.46	7.28	0.11

chr17	48547366	48550111	2746	1687	170	468.91	8.4	0
chr17	49567417	49568182	766	309	42	127.99	7.74	0.08
chr17	50328368	50330314	1947	527	83	183.43	6.25	0
chr17	50647936	50649288	1353	723	63	186.87	10.48	0
chr17	51317582	51319196	1615	1116	94	163.84	6.01	0.06
chr17	53617683	53619332	1650	555	87	166.4	5.12	0.06
chr17	56098138	56099241	1104	620	52	122.36	7.42	0.07
chr17	56148535	56149607	1073	877	38	81.15	4.85	0.1
chr17	56175421	56176717	1297	509	63	159.64	7.39	0.11
chr17	56218104	56219371	1268	573	78	126.89	6.02	0.07
chr17	56357906	56358762	857	446	28	75.7	8.09	0.13
chr17	56415953	56416887	935	424	40	90.69	6.68	0.07
chr17	56430185	56431399	1215	546	55	102.8	5.39	0.06
chr17	56464582	56465724	1143	767	64	94.77	4.26	0.07
chr17	56722611	56725096	2486	1926	126	245.12	6.07	0
chr17	56748740	56749755	1016	523	43	84.42	6.47	0.06
chr17	56752357	56753278	922	483	41	100.32	11.51	0.08
chr17	56765829	56767165	1337	443	68	83.29	6.81	0.06
chr17	56856190	56857670	1481	1121	81	70.89	3.79	0.16
chr17	56903853	56904943	1091	561	58	87.4	6.07	0.07
chr17	57129116	57130318	1203	664	63	100.95	6.42	0.08
chr17	57170625	57171965	1341	891	77	111.25	4.77	0.06
chr17	57199327	57200374	1048	614	41	92.82	4.62	0.07
chr17	57244356	57245373	1018	473	38	81.59	5.78	0.1
chr17	57418047	57419164	1118	543	65	112.21	8.09	0.06
chr17	57497655	57500054	2400	1928	127	225.57	5.48	0
chr17	64212689	64213696	1008	433	47	154.65	6.74	0.1
chr17	64680921	64682112	1192	746	45	73.27	5.18	0.13
chr17	64949514	64950719	1206	427	53	89.7	5.49	0.07
chr17	64950792	64951789	998	507	38	73.61	5.28	0.13
chr17	65962440	65963953	1514	598	86	191.78	6.68	0
chr17	66121477	66122455	979	507	45	98.76	8.09	0.08
chr17	66233490	66235993	2504	1802	110	248.72	5.89	0
chr17	66450292	66451233	942	521	35	106.01	6.57	0.06
chr17	66472483	66473534	1052	559	39	101.19	8.54	0.08
chr17	69731837	69733988	2152	1600	77	215.69	8.04	0
chr17	69766322	69767553	1232	638	54	197.92	8.09	0
chr17	71096803	71097949	1147	737	40	99.24	6.01	0.08
chr17	71181160	71182950	1791	1122	85	110.9	5.55	0.06
chr17	71183214	71184615	1402	632	69	167.04	6.74	0.06
chr17	71196725	71203995	7271	5433	433	1090.81	10.03	0
chr17	71338888	71340811	1924	933	95	202.01	6.85	0
chr17	71350802	71352197	1396	801	69	135.78	6.93	0.08
chr17	71476479	71477548	1070	627	45	104.11	5.15	0.06

chr17	71514100	71514899	800	316	30	76.88	6.39	0.12
chr17	71824355	71825573	1219	407	57	174.35	8.94	0.07
chr17	71834856	71835896	1041	491	42	116.37	7.91	0.07
chr17	71875929	71876962	1034	583	47	193.5	13.4	0
chr17	71947603	71948601	999	513	62	159.96	11.16	0.11
chr17	73185112	73187381	2270	494	113	183.13	6	0
chr17	73267175	73268196	1022	515	57	180.04	11.77	0
chr17	74693884	74695255	1372	872	62	143.36	7.04	0.09
chr17	74715343	74716398	1056	532	54	164.07	10.4	0.06
chr17	74737574	74739035	1462	485	62	139.73	6.25	0.09
chr17	74888130	74889411	1282	852	72	224.89	8.83	0
chr17	74926895	74928739	1845	824	96	197.77	5.49	0
chr17	78816883	78817812	930	521	34	77.24	6.47	0.12
chr17	79135460	79136732	1273	452	73	211.68	7.42	0
chr17	79234140	79235367	1228	476	47	88.74	4.92	0.07
chr17	80014164	80015361	1198	717	58	183.92	8.09	0
chr17	80294978	80295809	832	328	42	169.1	12.64	0.06
chr17	80460456	80462365	1910	990	109	265.24	8.09	0
chr17	80605517	80607446	1930	1138	129	376.47	14.38	0
chr17	80689034	80689984	951	395	42	97.91	6.3	0.08
chr17	81126540	81128047	1508	1014	60	157.27	7.91	0.11
chr17	83477578	83478524	947	255	35	80.3	4.85	0.1
chr17	84104969	84106566	1598	687	59	186.94	7.36	0
chr17	84260533	84262097	1565	754	76	169.78	6.8	0.06
chr17	84524831	84526195	1365	909	62	102.38	4.46	0.05
chr17	84579868	84583456	3589	3215	266	857.33	11.19	0
chr17	84583995	84586746	2752	2151	179	595.61	11.26	0
chr17	84586791	84588496	1706	476	128	386.21	10.88	0
chr17	85356274	85357845	1572	901	62	134.84	7.32	0.08
chr17	85489048	85490563	1516	493	65	85.45	4.18	0.07
chr17	86565952	86567205	1254	806	52	85.14	4.79	0.07
chr17	87424396	87425435	1040	570	57	114.83	7.31	0.06
chr17	87681165	87682847	1683	954	97	291.22	10.2	0
chr17	87804737	87805636	900	411	34	121.89	12.23	0.07
chr17	87845631	87847133	1503	575	119	449.12	17.15	0
chr17	88464645	88466244	1600	1122	72	96.34	4.3	0.08
chr17	95148586	95149793	1208	809	51	86.26	4.79	0.07
chr18	3336553	3338107	1555	826	92	382.51	14.75	0
chr18	3382766	3383592	827	326	30	100.47	8.36	0.08
chr18	3507370	3508512	1143	451	49	75.89	5.58	0.14
chr18	4352430	4353959	1530	574	84	188.48	6.65	0
chr18	5333835	5335205	1371	628	63	75.08	4.62	0.13
chr18	6135240	6137093	1854	1251	96	84.21	3.49	0.06
chr18	6240906	6241960	1055	541	53	150.03	11.03	0.1

chr18	6489685	6491254	1570	602	111	308.39	7.28	0
chr18	6515885	6516756	872	411	37	120.28	9.04	0.07
chr18	7868379	7869310	932	252	51	241.98	12.14	0
chr18	9449344	9450594	1251	771	57	90.39	4.58	0.07
chr18	9957644	9958689	1046	506	43	76.02	7.78	0.14
chr18	10029323	10030279	957	671	44	96.48	5.81	0.08
chr18	10181133	10182843	1711	942	81	146.91	6.36	0.09
chr18	10609531	10610549	1019	521	43	70.32	5.78	0.16
chr18	10725006	10726158	1153	652	50	93.9	6.22	0.07
chr18	11815827	11816614	788	386	32	78.67	6.47	0.12
chr18	12286817	12287963	1147	287	44	102.56	6.07	0.06
chr18	12394457	12395625	1169	411	63	134.78	6.14	0.08
chr18	12801606	12802699	1094	701	46	133.12	7.96	0.08
chr18	13130259	13131069	811	613	37	109.05	6.07	0.06
chr18	14840746	14841693	948	459	35	85.76	8.94	0.07
chr18	20902836	20905235	2400	1967	97	227.53	7.77	0
chr18	21054326	21055545	1220	543	56	112.82	5.91	0.06
chr18	23961563	23962963	1401	727	74	82.77	4.14	0.11
chr18	24178415	24179428	1014	401	40	91.89	5.78	0.07
chr18	24279781	24280880	1100	245	51	99.81	5.09	0.08
chr18	24628767	24629755	989	629	44	178.78	11.65	0
chr18	24811437	24812933	1497	950	67	111.04	5.3	0.06
chr18	31793496	31795222	1727	1087	83	110.21	5	0.06
chr18	31963274	31964415	1142	475	55	168.02	9.37	0.06
chr18	32069861	32071446	1586	499	73	108.41	5.24	0.06
chr18	32226951	32228233	1283	524	70	201.97	10.2	0
chr18	32322221	32323340	1120	526	52	126.92	7.04	0.07
chr18	32399359	32400455	1097	539	59	178.6	11.4	0
chr18	32536424	32537450	1027	495	44	73.5	6.36	0.13
chr18	33954205	33955119	915	433	38	73.99	7.12	0.13
chr18	34380095	34381071	977	512	49	213.42	12.45	0
chr18	34490211	34491413	1203	578	67	180.26	9.39	0
chr18	34568608	34569549	942	491	40	79.81	8.09	0.1
chr18	34665122	34667098	1977	1495	86	152.56	8.09	0.1
chr18	34783357	34785028	1672	512	73	193.37	6.97	0
chr18	34917961	34919806	1846	1293	104	206.17	7.57	0
chr18	34936061	34937882	1822	485	99	195.99	8.63	0
chr18	35019215	35020672	1458	349	51	91.92	6.4	0.07
chr18	35091086	35092442	1357	550	84	240.17	7.78	0
chr18	35277917	35279393	1477	1033	67	241.92	7.83	0
chr18	35658145	35659003	859	366	36	96.47	8.09	0.08
chr18	35721452	35722773	1322	813	84	269.97	8.76	0
chr18	35930525	35931549	1025	507	44	111.31	8.86	0.06
chr18	36101270	36102642	1373	753	61	111.36	5.6	0.06

chr18	36177658	36178590	933	432	44	147.49	11.69	0.1
chr18	36439863	36441175	1313	639	82	237.23	11.2	0
chr18	36445742	36447491	1750	896	72	158.31	5.88	0.11
chr18	36718911	36720670	1760	1337	86	99.31	4.37	0.08
chr18	36829487	36830402	916	472	45	102.5	7.16	0.06
chr18	36884161	36886679	2519	1790	144	299.68	5.93	0
chr18	36953049	36954061	1013	460	47	103.88	6.15	0.06
chr18	36960811	36962065	1255	805	60	130.65	6.66	0.08
chr18	38114230	38115187	958	355	38	107.27	7.19	0.06
chr18	38129169	38130052	884	417	31	83.4	6.19	0.06
chr18	38409350	38410623	1274	494	60	105.53	5.86	0.06
chr18	38455893	38456858	966	392	42	91.19	7.42	0.07
chr18	38497707	38499293	1587	1031	69	125.04	6.85	0.07
chr18	38578528	38579232	705	523	25	74.24	6.45	0.13
chr18	39648788	39651663	2876	504	140	437.38	7.9	0
chr18	42434538	42435462	925	557	36	77.45	5.15	0.12
chr18	42670560	42671572	1013	310	43	84.79	5.18	0.06
chr18	46358206	46359036	831	490	43	197.76	11.56	0
chr18	46439792	46440709	918	368	37	94.14	6.07	0.07
chr18	46683807	46686385	2579	2088	143	438.76	9.86	0
chr18	47118009	47119100	1092	432	46	106.35	5.52	0.06
chr18	49914787	49915970	1184	670	59	92.2	5.88	0.07
chr18	49991810	49992921	1112	583	55	111.14	6.36	0.06
chr18	50138570	50139526	957	522	32	75.05	7.19	0.13
chr18	50212640	50214112	1473	556	73	115.98	5.56	0.07
chr18	53335598	53336630	1033	455	45	130.23	10.22	0.08
chr18	53404746	53405946	1201	937	38	79.86	4.54	0.1
chr18	53903821	53905343	1523	566	63	109.07	6.47	0.06
chr18	54021263	54022317	1055	472	59	243.47	12.6	0
chr18	57084743	57085623	881	442	44	102.76	7.16	0.06
chr18	57134371	57135326	956	547	40	155.16	11.07	0.1
chr18	60660221	60661684	1464	808	58	136.5	5.26	0.08
chr18	60719967	60721171	1205	461	51	110.25	6.68	0.06
chr18	60933610	60934892	1283	563	68	121.58	6.57	0.07
chr18	61264952	61269152	4201	3323	384	871.01	8.09	0
chr18	61290688	61293099	2412	1130	146	328.82	9.17	0
chr18	61370247	61371771	1525	1026	81	157.64	6.74	0.11
chr18	61714240	61715962	1723	687	93	174.37	6.26	0.07
chr18	61885504	61886498	995	616	59	101.8	4.59	0.05
chr18	62707873	62708974	1102	474	63	234.64	11.92	0
chr18	63851579	63852640	1062	534	53	108.99	6.65	0.06
chr18	64648064	64649098	1035	502	41	73.31	6.47	0.13
chr18	64675749	64676944	1196	494	63	151.42	7.16	0.1
chr18	65047223	65047986	764	366	25	80.99	7.57	0.1

chr18	65589690	65591160	1471	613	77	126.63	5.88	0.07
chr18	67364520	67365643	1124	575	65	116.37	8.32	0.07
chr18	67404499	67405816	1318	784	60	167.21	7.69	0.06
chr18	67550080	67550858	779	326	28	74.69	9.09	0.13
chr18	67608305	67609401	1097	536	53	121.92	5.83	0.07
chr18	67800682	67801784	1103	398	44	154.88	9.48	0.1
chr18	67883516	67884728	1213	511	61	153.53	7.42	0.1
chr18	67933994	67935297	1304	920	67	132.02	5.55	0.08
chr18	68093160	68093943	784	483	27	84.86	7.57	0.06
chr18	69503604	69504590	987	415	57	178.19	9.85	0
chr18	69752440	69753670	1231	548	62	164.51	10.2	0.06
chr18	70689403	70690440	1038	562	45	129.52	8.94	0.08
chr18	70727503	70729109	1607	1075	73	279.62	15.07	0
chr18	70739878	70740751	874	475	39	160.76	15.73	0.11
chr18	70752517	70753273	757	382	36	158.08	15.15	0.11
chr18	70777187	70778089	903	372	42	149.54	14.93	0.1
chr18	70781759	70782680	922	537	36	82.9	9.63	0.11
chr18	70784939	70785904	966	469	65	279.71	16.18	0
chr18	73731226	73732794	1569	738	87	207.06	7.19	0
chr18	73732886	73733694	809	323	29	74.57	8.89	0.13
chr18	73863054	73864104	1051	408	49	135.32	9.25	0.08
chr18	74375161	74376425	1265	633	52	89.29	4.67	0.07
chr18	74937960	74939397	1438	436	65	141.23	5.73	0.09
chr18	75164848	75165897	1050	563	50	157.91	11.5	0.11
chr18	75525902	75527988	2087	540	101	326.45	8.09	0
chr18	77167936	77169333	1398	863	68	162.34	8.09	0.11
chr18	77303269	77304333	1065	418	56	123.14	7.8	0.07
chr18	77952434	77952961	528	344	19	71.24	8.74	0.15
chr18	78011965	78013496	1532	766	68	89.32	3.79	0.07
chr18	78134771	78136138	1368	371	61	109.95	6.59	0.06
chr18	80347396	80348916	1521	266	77	278.6	12.3	0
chr18	80365834	80367291	1458	968	66	161.12	9.19	0.11
chr18	80397018	80397883	866	311	31	79.75	5.39	0.1
chr18	80403144	80404265	1122	477	62	174.6	8.76	0.07
chr18	80452030	80453529	1500	998	68	110.67	6.42	0.06
chr18	80665909	80667470	1562	924	86	144.72	5	0.09
chr18	80904344	80905410	1067	671	40	82.9	4.52	0.11
chr18	82860581	82863111	2531	1154	116	325.09	9.81	0
chr18	83079036	83081591	2556	1431	113	312.85	6.89	0
chr18	83082269	83083741	1473	422	63	143.39	6.62	0.09
chr18	84256514	84258101	1588	1005	80	289.05	9.52	0
chr18	84758697	84759968	1272	573	60	124.73	5.91	0.07
chr18	85119915	85121768	1854	959	101	220.65	6.06	0
chr19	3282434	3283477	1044	580	41	77.06	6.07	0.12

chr19	3324637	3325726	1090	746	46	94.52	5.39	0.07
chr19	3388445	3389459	1015	468	49	133.47	9.93	0.08
chr19	3575099	3576209	1111	483	58	170.09	9.56	0.06
chr19	3766998	3769510	2513	846	153	276.82	6.24	0
chr19	3851323	3852374	1052	508	47	78.55	5.86	0.12
chr19	3892588	3893952	1365	519	59	95.72	4.05	0.08
chr19	3904664	3908646	3983	2418	223	254.29	5.72	0
chr19	3912045	3914079	2035	566	134	166.82	5.51	0.06
chr19	3934851	3936900	2050	1585	133	176.16	4.15	0.07
chr19	3999861	4001048	1188	852	49	94.12	5.63	0.07
chr19	4012029	4013203	1175	634	74	120.71	5.66	0.07
chr19	4096570	4097943	1374	504	77	87.75	4.14	0.07
chr19	4099609	4100659	1051	460	46	70.36	5.12	0.16
chr19	4125564	4126631	1068	550	43	105.68	6.81	0.06
chr19	4147314	4149253	1940	1378	101	242.25	10.03	0
chr19	4169138	4170310	1173	529	77	113.93	6.99	0.06
chr19	4191407	4192803	1397	915	79	185.33	7.22	0
chr19	4231453	4232681	1229	861	49	91.73	4.72	0.07
chr19	4268292	4269454	1163	765	51	109.17	5.73	0.06
chr19	4282526	4284771	2246	789	124	317.69	10.71	0
chr19	4300012	4301181	1170	492	56	119.78	7.47	0.07
chr19	4303953	4304865	913	470	34	73.62	6.9	0.13
chr19	4333356	4334338	983	584	45	83.23	6.36	0.06
chr19	4395979	4398149	2171	1577	120	292.56	6.85	0
chr19	4625102	4626364	1263	533	72	118.94	5.39	0.07
chr19	4755518	4757086	1569	1048	86	192.18	8.67	0
chr19	4810548	4812415	1868	1332	97	189.09	6.97	0
chr19	4878255	4879331	1077	674	48	89.24	5.39	0.07
chr19	4927669	4928942	1274	797	59	126.55	6.8	0.07
chr19	4942844	4943408	565	192	20	72.51	9.25	0.15
chr19	4961835	4962682	848	534	49	99.13	5.15	0.08
chr19	5038219	5039456	1238	688	54	120.85	5.63	0.07
chr19	5040917	5041908	992	535	43	117.18	10.11	0.07
chr19	5106484	5107585	1102	531	60	144.03	7.79	0.09
chr19	5272533	5273508	976	497	39	103.8	6.81	0.06
chr19	5388129	5389892	1764	529	87	231.17	11.03	0
chr19	5460062	5461144	1083	525	54	116.51	8.09	0.07
chr19	5488922	5489765	844	259	41	88.49	5.39	0.07
chr19	5489931	5492046	2116	1576	123	165.6	4.25	0.06
chr19	5567040	5569211	2172	1132	107	201.62	5.78	0
chr19	5571603	5573508	1906	1485	78	104.01	4.18	0.06
chr19	5609400	5610911	1512	583	84	143.77	5.95	0.09
chr19	5636864	5638320	1457	600	85	304.32	11.85	0
chr19	5660688	5661974	1287	804	59	132.02	6.07	0.08

chr19	5663077	5664193	1117	582	55	76.55	6.7	0.12
chr19	5688120	5690475	2356	657	120	223.7	5.86	0
chr19	5691660	5693278	1619	595	70	154.29	6.09	0.1
chr19	5724146	5726741	2596	744	144	348.47	8.69	0
chr19	5741566	5742474	909	492	32	86.66	6.7	0.07
chr19	5770749	5771833	1085	666	51	177.96	9.52	0.07
chr19	5795866	5804143	8278	6768	609	1711.04	21.67	0
chr19	5810029	5811015	987	416	44	87.72	6.22	0.07
chr19	5825762	5827315	1554	607	63	117.16	4.72	0.07
chr19	5827334	5829084	1751	1559	67	130.34	4.38	0.08
chr19	5831480	5832597	1118	632	49	115.65	6.14	0.06
chr19	5832625	5834354	1730	416	71	141.55	4.92	0.09
chr19	5834944	5850846	15903	10523	1493	2976.63	16.98	0
chr19	6014659	6016095	1437	540	56	111.37	5.45	0.06
chr19	6046328	6048143	1816	684	80	215.77	9.53	0
chr19	6057295	6058392	1098	517	54	71.34	5.84	0.15
chr19	6060942	6062242	1301	316	60	151.34	8.09	0.1
chr19	6076639	6077681	1043	617	49	109.58	7.44	0.06
chr19	6084371	6085374	1004	571	74	313.52	16.18	0
chr19	6117516	6118786	1271	992	55	134.98	5.71	0.08
chr19	6127611	6128562	952	598	43	146.57	9.99	0.09
chr19	6140239	6141521	1283	670	58	101.5	5.78	0.08
chr19	6235509	6236744	1236	451	64	151.03	7.19	0.1
chr19	6241125	6242165	1041	637	44	128.74	6.19	0.08
chr19	6362899	6365171	2273	590	133	249.93	6.13	0
chr19	6932213	6933242	1030	512	38	91.25	7.2	0.07
chr19	6983597	6985004	1408	448	77	135.98	5.64	0.08
chr19	6995237	6997199	1963	1086	98	82.89	3.95	0.11
chr19	7015385	7017428	2044	1695	123	277.35	6.2	0
chr19	7025017	7026666	1650	998	74	131.71	4.79	0.08
chr19	7053629	7055572	1944	1036	142	347.86	7.61	0
chr19	7061469	7062435	967	563	34	88.53	6.55	0.07
chr19	7066558	7067566	1009	452	43	108.12	8.09	0.06
chr19	7092074	7095334	3261	2749	153	244.01	5	0
chr19	7113840	7115688	1849	830	104	196.09	6.32	0
chr19	7279923	7281280	1358	819	60	193.74	10.47	0
chr19	7315179	7316051	873	565	38	99.73	6.55	0.08
chr19	7415572	7416833	1262	448	62	143.4	5.83	0.09
chr19	7557178	7558220	1043	504	54	175.23	12.14	0.07
chr19	7568161	7569681	1521	967	79	192.28	6.47	0
chr19	8787049	8788852	1804	1251	97	147.59	5.55	0.1
chr19	8809836	8810975	1140	482	69	149.92	9.1	0.1
chr19	8830883	8832076	1194	659	65	230.38	9.37	0
chr19	8845220	8846318	1099	748	44	108.29	5.66	0.06

chr19	8848328	8849713	1386	790	84	224.09	8.09	0
chr19	8860312	8861160	849	638	40	72.92	5.22	0.15
chr19	8893110	8895393	2284	1289	138	248.19	7.17	0
chr19	8911436	8912444	1009	569	49	141.87	7.71	0.09
chr19	8945681	8946630	950	385	36	79.61	5.01	0.1
chr19	8954821	8955827	1007	615	39	106.68	4.94	0.06
chr19	8994447	8995352	906	265	44	98.98	5.91	0.08
chr19	9003652	9004641	990	421	42	93.48	6.68	0.07
chr19	9016011	9017674	1664	550	81	153.36	5.2	0.1
chr19	9041024	9042038	1015	566	47	83.23	5.3	0.06
chr19	9056610	9058406	1797	1363	71	117.09	4.85	0.07
chr19	9063540	9065608	2069	843	96	175.26	4.78	0.07
chr19	9066977	9068043	1067	499	48	72.22	5.22	0.15
chr19	9973243	9974752	1510	552	80	189.69	5.6	0
chr19	10028246	10030085	1840	1299	88	214.76	6.73	0
chr19	10056097	10062435	6339	1205	805	2100.45	9.14	0
chr19	10096646	10098675	2030	423	88	106.76	3.79	0.06
chr19	10115396	10116674	1279	622	62	190.35	7.05	0
chr19	10278124	10279654	1531	609	59	89.27	5.29	0.07
chr19	10599176	10600808	1633	926	92	300.9	9.71	0
chr19	10677043	10677884	842	374	30	72.54	6.42	0.15
chr19	10679567	10680678	1112	569	48	75.47	6.14	0.13
chr19	10762813	10764004	1192	505	55	111.89	6.22	0.06
chr19	10915621	10918538	2918	1329	122	124.6	4.67	0.07
chr19	10933579	10935946	2368	1215	111	257.26	6.68	0
chr19	11023391	11024286	896	391	42	125.6	10.52	0.07
chr19	11394391	11396508	2118	1465	88	196.02	7.24	0
chr19	11409059	11411069	2011	1523	114	216.09	8.09	0
chr19	11844416	11845415	1000	400	37	99.83	5.09	0.08
chr19	11986051	11987593	1543	513	72	129.18	6.65	0.08
chr19	12039134	12040619	1486	575	72	110.2	4.3	0.06
chr19	12084605	12087250	2646	978	108	177.36	7.16	0.07
chr19	12508566	12510253	1688	567	75	166.48	4.92	0.06
chr19	12535108	12536127	1020	573	39	88.5	5.5	0.07
chr19	12536380	12539519	3140	2545	183	527.78	9.98	0
chr19	12868870	12869849	980	491	44	74.93	6.97	0.13
chr19	14671139	14672141	1003	568	38	130.94	8.49	0.08
chr19	14672152	14673647	1496	408	59	150.03	6.92	0.1
chr19	15889411	15890292	882	476	31	89.78	6.57	0.07
chr19	16089681	16090608	928	659	38	109.05	7.07	0.06
chr19	16206550	16207381	832	360	34	112.25	7.45	0.06
chr19	16207929	16208887	959	432	34	79.4	6.39	0.1
chr19	18704894	18706850	1957	1227	91	158.71	6.07	0.11
chr19	18787146	18787776	631	367	25	97.14	10.4	0.08

chr19	20464633	20465534	902	448	34	80.45	7.28	0.1
chr19	21345922	21347882	1961	879	122	431.39	20.42	0
chr19	23209198	23210933	1736	472	84	258.96	8.52	0
chr19	23214972	23216676	1705	738	65	110.24	4.53	0.06
chr19	23761321	23762197	877	425	33	95.5	5.24	0.08
chr19	24248351	24249226	876	415	30	94.63	8.37	0.07
chr19	24551330	24552796	1467	815	82	238.33	8.38	0
chr19	25035560	25036545	986	532	59	107.86	8.32	0.06
chr19	26680580	26682261	1682	376	75	124.5	5.49	0.07
chr19	27504019	27505194	1176	692	50	85.79	5.09	0.07
chr19	28085644	28086630	987	441	40	122.6	8.57	0.07
chr19	29064387	29065324	938	504	39	75.74	8.09	0.13
chr19	29121828	29122584	757	321	26	75.51	7.08	0.13
chr19	29325444	29327015	1572	455	62	156.04	7.32	0.11
chr19	29562287	29563403	1117	371	59	83.46	5.25	0.06
chr19	29722303	29723090	788	331	31	101.56	7.59	0.08
chr19	29880620	29881712	1093	505	71	281.6	17.4	0
chr19	29887194	29888037	844	405	34	82.32	6.55	0.11
chr19	30104275	30105826	1552	799	83	269.77	9.71	0
chr19	31156606	31157756	1151	546	51	110.76	6.41	0.06
chr19	32462257	32464506	2250	1606	110	301.39	7.32	0
chr19	32830266	32831313	1048	525	42	71.57	5.29	0.15
chr19	32831509	32832574	1066	634	41	96.82	6.07	0.08
chr19	33465870	33467043	1174	361	49	111	6.99	0.06
chr19	34266790	34267980	1191	875	54	170.22	7.19	0.06
chr19	34589763	34590917	1155	577	56	75.52	5.55	0.13
chr19	34595749	34596870	1122	929	47	89.67	4.53	0.07
chr19	34598704	34599746	1043	646	48	130.84	6.55	0.08
chr19	34600813	34602428	1616	1118	73	98.22	5.82	0.08
chr19	36907943	36909072	1130	567	48	98.98	5.06	0.08
chr19	36999768	37001137	1370	837	75	177.62	7.19	0.07
chr19	37249109	37250164	1056	533	47	98.01	5.5	0.08
chr19	37280780	37282541	1762	1183	69	151.92	7.71	0.1
chr19	37449617	37451322	1706	1153	78	94.64	4.05	0.07
chr19	37508631	37511775	3145	763	177	680.37	13.19	0
chr19	37569612	37570561	950	460	37	84.55	6.93	0.06
chr19	38128740	38129814	1075	552	48	106.16	5.73	0.06
chr19	40703409	40704054	646	299	22	70.12	9.17	0.16
chr19	40968589	40970328	1740	564	95	329.8	10.65	0
chr19	41067732	41069164	1433	993	71	101.68	6.19	0.08
chr19	41337427	41339033	1607	1207	77	229.54	8.71	0
chr19	41847679	41849428	1750	1238	81	168.28	6.8	0.06
chr19	41875740	41877011	1272	847	58	187.61	9.52	0
chr19	41903896	41905267	1372	437	43	81.19	8.09	0.1

chr19	41985695	41986779	1085	541	44	103.48	7.71	0.06
chr19	42055150	42057237	2088	810	115	305.23	9.39	0
chr19	42202982	42204300	1319	400	51	84.72	4.21	0.06
chr19	42244742	42245584	843	359	48	87.26	4.62	0.07
chr19	43597961	43599493	1533	1130	70	121.71	6.36	0.07
chr19	43749039	43750459	1421	651	72	196.11	7.95	0
chr19	43826656	43828180	1525	740	112	394.23	10.68	0
chr19	44143524	44144601	1078	572	51	142.68	7.32	0.09
chr19	44181421	44182409	989	470	43	82.89	7.78	0.11
chr19	44637045	44637768	724	197	26	79.39	8.09	0.1
chr19	45149090	45150345	1256	478	51	80.48	5.08	0.1
chr19	45437487	45438796	1310	559	63	77.75	4.05	0.12
chr19	45734036	45735259	1224	730	54	130.14	7.36	0.08
chr19	45857162	45858454	1293	824	65	154.25	6.8	0.1
chr19	46072038	46073430	1393	776	68	240.76	8.57	0
chr19	46077560	46078518	959	476	38	88.49	9.25	0.07
chr19	46113826	46114596	771	380	30	94.47	8.34	0.07
chr19	46119234	46120329	1096	578	46	99.61	7.39	0.08
chr19	46378425	46380614	2190	632	115	148.81	5.69	0.1
chr19	46402605	46403640	1036	585	43	77.19	4.67	0.12
chr19	46404226	46405001	776	339	29	72.52	6.67	0.15
chr19	46412397	46414921	2525	735	126	103.08	4.33	0.06
chr19	46471037	46471888	852	376	37	84.27	6.89	0.06
chr19	46573931	46579413	5483	4764	303	800.38	7.75	0
chr19	46672823	46674145	1323	892	63	132.04	6.53	0.08
chr19	46835237	46836573	1337	935	63	104.31	4.32	0.06
chr19	46937779	46938718	940	458	36	75.72	8.09	0.13
chr19	47035761	47037148	1388	1190	50	139.49	6.59	0.09
chr19	47211596	47213113	1518	1231	65	162.76	7.13	0.12
chr19	47538018	47539109	1092	796	43	109.55	5.9	0.06
chr19	47610949	47612214	1266	537	54	180.66	8.09	0
chr19	47805170	47806839	1670	624	80	125.35	5.48	0.07
chr19	47928990	47929936	947	516	38	84.54	7.36	0.06
chr19	53215786	53217787	2002	1271	102	192.46	6.14	0
chr19	53385244	53386677	1434	408	57	134.1	5.23	0.08
chr19	53386751	53389232	2482	974	97	180.2	5.48	0
chr19	53464145	53465840	1696	1141	92	165.62	5.56	0.06
chr19	53603028	53603998	971	458	40	152.93	12.82	0.1
chr19	53977105	53978419	1315	556	63	91.03	4.9	0.07
chr19	54018064	54019709	1646	1145	76	112.29	4.44	0.06
chr19	55173402	55174463	1062	613	51	110.82	7.78	0.06
chr19	55390055	55391104	1050	477	48	129.8	7.71	0.08
chr19	55816759	55818644	1886	1382	79	211.58	9.33	0
chr19	56622700	56623718	1019	462	41	116.53	7.19	0.07

chr19	57432308	57433419	1112	704	48	84.9	5.69	0.06
chr19	57434846	57435911	1066	398	49	106.34	6.8	0.06
chr19	57684128	57686037	1910	611	86	307.34	8.99	0
chr19	59149181	59150429	1249	196	49	108.7	5.39	0.06
chr19	60018897	60019911	1015	586	58	217.26	9.79	0
chr19	60301921	60302853	933	375	44	111.74	6.33	0.06
chr19	60674030	60674871	842	534	32	94.08	7.61	0.07
chr19	60865808	60867239	1432	860	85	253.54	8.76	0
chr19	61301875	61304896	3022	2363	155	157.62	4.24	0.11
chr2	3249410	3250052	643	343	24	77.49	6.57	0.12
chr2	3391376	3393036	1661	1247	63	91.83	4.36	0.07
chr2	3429443	3430855	1413	392	52	84.91	5.06	0.07
chr2	4802683	4803906	1224	357	42	133.05	8.16	0.08
chr2	5634362	5635748	1387	696	61	95.6	4.18	0.08
chr2	5765518	5766743	1226	832	49	71.35	4.33	0.15
chr2	5871740	5873170	1431	494	64	96.75	4.32	0.08
chr2	6243118	6244161	1044	503	44	80.59	6.22	0.1
chr2	6641711	6643242	1532	941	71	70.88	4.26	0.16
chr2	11422778	11424119	1342	171	47	85.43	4.57	0.07
chr2	11474751	11476171	1421	902	56	77.79	4.91	0.12
chr2	11699020	11700850	1831	1156	93	175.94	6.14	0.07
chr2	12340512	12341592	1081	492	44	97.7	6.62	0.08
chr2	13494321	13497900	3580	1103	177	399.61	7.32	0
chr2	13995083	13996186	1104	555	54	132.87	7.75	0.08
chr2	14113531	14114242	712	315	29	87.75	8.09	0.07
chr2	17977321	17978353	1033	817	44	162.97	8.81	0.06
chr2	17978429	17979881	1453	296	71	292.82	12.92	0
chr2	17985535	17987267	1733	686	73	160.47	6.62	0.11
chr2	18313854	18314828	975	609	40	75.81	4.21	0.14
chr2	18508291	18509410	1120	598	48	119.9	6.93	0.07
chr2	18529398	18531486	2089	327	71	230.46	8.74	0
chr2	18593377	18594520	1144	727	44	155.95	9.32	0.11
chr2	18598471	18599157	687	338	29	117.75	10.49	0.07
chr2	18615359	18616368	1010	467	45	170.27	8.09	0.06
chr2	18688158	18689367	1210	809	58	209.81	10.28	0
chr2	18918934	18920448	1515	1142	67	149.33	5.98	0.1
chr2	19578860	19579934	1075	522	42	131.38	10.11	0.08
chr2	21126534	21127866	1333	816	65	133.08	7.19	0.08
chr2	22628838	22631022	2185	936	104	132.28	5.71	0.08
chr2	22750430	22751613	1184	617	55	76.63	4.41	0.12
chr2	22894822	22896096	1275	797	63	175.75	11.56	0.07
chr2	22923112	22925227	2116	1698	96	160.08	5.49	0.11
chr2	23427047	23427763	717	496	27	99.57	8.16	0.08
chr2	24774245	24775552	1308	789	57	94.18	4.33	0.07

chr2	24790097	24791128	1032	524	49	154.58	8.09	0.1
chr2	24829983	24832163	2181	1671	116	208.99	7.05	0
chr2	24909455	24910642	1188	495	53	137.64	8.48	0.09
chr2	25048545	25050630	2086	894	94	89.77	3.72	0.07
chr2	25051091	25052767	1677	386	76	163.28	6.41	0.06
chr2	25066316	25067292	977	448	44	89.03	6.85	0.07
chr2	25079611	25080886	1276	563	66	108.28	5.15	0.06
chr2	25110233	25111550	1318	750	62	127.92	8.09	0.08
chr2	25117401	25118557	1157	484	52	108.52	5.83	0.06
chr2	25127448	25128520	1073	484	60	135.74	9.21	0.08
chr2	25187602	25188858	1257	537	80	90.05	5.45	0.07
chr2	25212978	25213960	983	527	37	77.07	6.34	0.12
chr2	25220217	25221622	1406	924	78	207.4	9.75	0
chr2	25278008	25279093	1086	308	54	157.51	7.64	0.11
chr2	25316009	25317574	1566	480	66	161.61	7.52	0.11
chr2	25355894	25356938	1045	539	50	114.33	8.74	0.06
chr2	25412594	25414093	1500	637	68	92.96	4.8	0.07
chr2	25463330	25464318	989	450	38	74.61	6.68	0.13
chr2	25838411	25839582	1172	412	46	109.85	6.88	0.06
chr2	25876796	25877743	948	405	37	79.56	6.25	0.1
chr2	25994845	25996554	1710	1007	81	147.04	6.07	0.09
chr2	26092332	26093259	928	425	34	82.87	7.24	0.11
chr2	26206859	26208010	1152	371	59	91.81	5	0.07
chr2	26244188	26245380	1193	625	70	252.6	13.35	0
chr2	26300157	26302122	1966	664	126	367.28	8.73	0
chr2	26459063	26460354	1292	751	68	132.8	5.66	0.08
chr2	26495187	26496744	1558	734	95	349.44	11.33	0
chr2	26599675	26600395	721	366	25	73.4	9.05	0.13
chr2	26757751	26759154	1404	721	60	154.98	5.66	0.1
chr2	26765720	26767056	1337	571	71	146.97	6.14	0.09
chr2	26788415	26789330	916	451	33	72.38	7.57	0.15
chr2	26796578	26797701	1124	601	48	93.98	6.15	0.07
chr2	26819250	26820325	1076	714	46	80.64	4.49	0.1
chr2	26865032	26866033	1002	502	46	151.89	8.68	0.1
chr2	27369776	27371114	1339	701	72	144.29	6.47	0.09
chr2	27394952	27396306	1355	406	61	96.51	6.85	0.08
chr2	28496151	28497213	1063	625	48	152.36	7.19	0.1
chr2	28695290	28696563	1274	751	54	96.87	5.29	0.08
chr2	28915275	28916793	1519	501	64	106.48	6.07	0.06
chr2	28980339	28981588	1250	839	47	70.54	4.98	0.16
chr2	29642743	29644361	1619	405	80	218.85	8.23	0
chr2	29744491	29745714	1224	590	61	94.91	4.9	0.07
chr2	29790502	29791380	879	422	33	89.08	8.09	0.07
chr2	29819650	29821691	2042	1549	110	372.01	13.56	0

chr2	29904002	29905177	1176	597	63	127.32	6.2	0.07
chr2	29917649	29918585	937	377	42	160.89	9.71	0.11
chr2	29921031	29922549	1519	760	73	190.42	6.62	0
chr2	29948958	29949814	857	444	40	81.88	5.39	0.1
chr2	29988443	29989895	1453	831	82	220.62	9.71	0
chr2	30141236	30142432	1197	715	58	112.98	7.51	0.06
chr2	30270284	30272211	1928	870	130	217.02	6.12	0
chr2	30296862	30298300	1439	505	58	88.48	5.37	0.07
chr2	30327490	30328979	1490	909	62	160.4	6.26	0.11
chr2	30329007	30330189	1183	728	70	168.15	9.49	0.06
chr2	30513312	30514743	1432	928	69	117.24	5.66	0.07
chr2	30562843	30564435	1593	612	65	179	6.29	0
chr2	30566732	30568110	1379	883	52	76.6	4.96	0.12
chr2	30572459	30575368	2910	2187	141	366.28	7.42	0
chr2	30649834	30650878	1045	566	45	75.52	4.62	0.13
chr2	30662792	30663919	1128	558	78	171.2	7.19	0.06
chr2	30683253	30684309	1057	547	53	115.5	7.49	0.06
chr2	30807986	30809026	1041	497	50	142.65	11.17	0.09
chr2	30822890	30823824	935	475	32	74.11	7.39	0.13
chr2	30836742	30837991	1250	655	62	90.57	5	0.07
chr2	30996931	30998087	1157	523	55	133.04	7.54	0.08
chr2	31543311	31544702	1392	893	63	81.86	4.9	0.1
chr2	31829383	31830479	1097	558	58	116.06	7.82	0.07
chr2	31938327	31939800	1474	523	62	144.33	7.98	0.09
chr2	31992976	31993800	825	484	41	96.05	8.4	0.08
chr2	32091587	32092577	991	531	36	75.04	6.93	0.13
chr2	32217946	32219582	1637	480	73	183.86	7.71	0
chr2	32250695	32252456	1762	512	90	139.73	6.13	0.09
chr2	32306710	32308254	1545	299	82	166.32	6.11	0.06
chr2	32426032	32426935	904	522	37	90.24	8.48	0.07
chr2	32462805	32464504	1700	503	62	92.67	4.28	0.07
chr2	32566872	32569607	2736	1675	124	259.26	6.61	0
chr2	32731208	32732148	941	485	42	79.86	5.09	0.1
chr2	32821854	32823101	1248	744	68	86.24	5.06	0.07
chr2	32836701	32837960	1260	903	54	111.09	7.42	0.06
chr2	32985934	32987314	1381	830	58	79.34	4.58	0.1
chr2	33286120	33287230	1111	823	51	154.47	7.66	0.1
chr2	34657469	34658070	602	380	49	226.52	13.86	0
chr2	34681140	34682134	995	627	49	94.83	6.42	0.07
chr2	34725907	34727284	1378	877	71	109.01	5.24	0.06
chr2	34760167	34761319	1153	517	50	78.72	5.3	0.12
chr2	34964722	34965844	1123	494	51	77.26	4.44	0.12
chr2	35055479	35057039	1561	1016	79	158.87	7.22	0.11
chr2	35191958	35192893	936	644	40	71.7	4.79	0.15

chr2	35315839	35317898	2060	1193	87	227.33	5.93	0
chr2	35834480	35835796	1317	926	47	75.33	5.98	0.13
chr2	35991462	35992708	1247	665	64	115.15	5.22	0.06
chr2	37277842	37278935	1094	639	66	178.43	8.99	0
chr2	37285743	37286937	1195	445	53	137.29	6.96	0.08
chr2	37298142	37299047	906	659	36	84.84	6.16	0.06
chr2	37307264	37308359	1096	534	58	250.68	15.1	0
chr2	38142191	38143333	1143	406	51	176.18	10.42	0.07
chr2	38920614	38921641	1028	439	44	77.82	4.79	0.12
chr2	44782002	44783414	1413	412	63	153.11	9.15	0.1
chr2	44962619	44969119	6501	3067	456	1765.96	11.56	0
chr2	44970979	44973713	2735	1970	162	386.67	8.09	0
chr2	48804053	48805762	1710	698	74	140.4	5.5	0.09
chr2	49306241	49308028	1788	1342	86	263.01	7.24	0
chr2	50151646	50152630	985	535	38	75.06	8.09	0.13
chr2	51789921	51790832	912	633	43	122.13	7.32	0.07
chr2	51827666	51829162	1497	707	73	193.84	8.09	0
chr2	52280053	52280843	791	474	32	122.5	12.14	0.07
chr2	52600898	52601830	933	534	44	80.99	6.7	0.1
chr2	53049624	53051529	1906	1295	104	315.24	9.03	0
chr2	56975724	56977074	1351	396	51	174.92	8.74	0.07
chr2	57034005	57035267	1263	512	79	262.14	12.31	0
chr2	57089736	57091202	1467	420	71	189.18	7.42	0
chr2	59720111	59721148	1038	308	50	109.38	5.91	0.06
chr2	59962282	59964272	1991	533	97	373.6	13.31	0
chr2	60047116	60048430	1315	908	57	133.45	8.83	0.08
chr2	60121407	60122707	1301	473	48	75.58	5.06	0.13
chr2	60717837	60719936	2100	1591	88	245.99	8.14	0
chr2	61430723	61432030	1308	891	61	99.69	4.32	0.08
chr2	69560371	69561619	1249	504	67	141.51	7.53	0.09
chr2	69699074	69700131	1058	630	45	175.17	12.82	0.07
chr2	69723169	69724411	1243	672	57	135.54	5.63	0.08
chr2	69734771	69735743	973	425	35	88.85	7.19	0.07
chr2	70893079	70894564	1486	489	74	124.79	5.48	0.07
chr2	71049397	71050823	1427	465	57	193.56	7.71	0
chr2	71111958	71112962	1005	489	39	82.49	5.52	0.11
chr2	71710759	71711776	1018	555	44	74.57	5.49	0.13
chr2	72123505	72124505	1001	727	40	77.49	5.06	0.12
chr2	72816609	72819435	2827	1990	163	588.81	14.56	0
chr2	73150284	73151223	940	542	36	112.3	8.6	0.06
chr2	73323523	73324755	1233	971	47	88.19	4.57	0.07
chr2	73367220	73368179	960	345	40	142.7	9.64	0.09
chr2	73748995	73749983	989	408	37	85.52	6.47	0.07
chr2	74663389	74664381	993	439	38	135.08	7.51	0.08

chr2	75496576	75498340	1765	1197	93	264.65	8.06	0
chr2	75541215	75543681	2467	705	175	561.32	10.58	0
chr2	75776266	75777245	980	416	37	127.58	7.93	0.07
chr2	76485848	76486963	1116	618	51	122.23	6.33	0.07
chr2	76510700	76511742	1043	370	40	107.78	7.19	0.06
chr2	76512781	76513575	795	481	27	74.71	5.92	0.13
chr2	79474948	79476512	1565	972	74	178.64	7.04	0
chr2	83564009	83565188	1180	742	51	84.45	4.05	0.06
chr2	84490250	84491429	1180	626	52	201.02	11.32	0
chr2	84518098	84519079	982	501	39	80.02	6.68	0.1
chr2	84554398	84556607	2210	277	84	187.53	5.41	0
chr2	84567257	84568216	960	265	52	104.15	6	0.06
chr2	84877020	84878101	1082	698	48	140.81	6.81	0.09
chr2	84887688	84888574	887	466	43	113.31	6.68	0.06
chr2	90419093	90420303	1211	731	53	101.54	4.85	0.08
chr2	90584378	90586233	1856	1357	99	185.88	8.09	0
chr2	90757158	90758905	1748	653	98	331.27	9.3	0
chr2	90780286	90781552	1267	864	58	223.05	10.93	0
chr2	90893708	90894754	1047	569	50	149.77	9.71	0.1
chr2	90909530	90911279	1750	1008	104	212.8	7.59	0
chr2	90921987	90925444	3458	1130	260	622.56	8.55	0
chr2	90935830	90939465	3636	1201	208	426.07	7.55	0
chr2	91022338	91024568	2231	723	111	316.97	8.24	0
chr2	91042426	91043671	1246	510	63	136.23	6.29	0.08
chr2	91077036	91077803	768	372	29	85.95	7.14	0.07
chr2	91104541	91106228	1688	1064	79	152.15	5.16	0.1
chr2	91252179	91253164	986	380	39	109.36	6.29	0.06
chr2	91803389	91804574	1186	510	59	132.33	8.71	0.08
chr2	91805305	91807008	1704	322	79	174.56	7.42	0.07
chr2	91848025	91849214	1190	723	45	118.25	6.78	0.07
chr2	92022885	92024482	1598	688	79	333.18	10.9	0
chr2	92885416	92886497	1082	550	51	184.86	9.37	0
chr2	93302037	93302980	944	626	41	77.32	5.5	0.12
chr2	93689435	93690453	1019	450	48	78.15	4.44	0.12
chr2	93850496	93851283	788	396	35	89.99	6.99	0.07
chr2	94245869	94247328	1460	1033	57	175.68	7.19	0.07
chr2	94277990	94278531	542	325	21	77.03	8.63	0.12
chr2	98502239	98503302	1064	674	668	256.65	2.84	0
chr2	98503660	98504401	742	341	221	95.54	3.84	0.08
chr2	98506244	98507865	1622	911	935	96.34	2.34	0.08
chr2	101468561	101469672	1112	692	42	90.28	6.16	0.07
chr2	102739412	102740422	1011	198	36	81.47	4.59	0.1
chr2	103635794	103638353	2560	1935	122	362.28	9.79	0
chr2	103809329	103810716	1388	952	57	159.01	7.15	0.11

chr2	104333134	104335040	1907	697	97	409.99	9.62	0
chr2	104430120	104431132	1013	514	41	85.77	5.28	0.07
chr2	104656777	104657744	968	446	36	108.75	11.12	0.06
chr2	104856581	104857813	1233	706	65	235.37	10.79	0
chr2	106813940	106814934	995	564	43	123.96	7.66	0.07
chr2	112105398	112106865	1468	793	76	100.03	4.15	0.08
chr2	112332397	112333687	1291	866	58	191.13	10.95	0
chr2	113280580	113281695	1116	502	43	115.45	6.74	0.06
chr2	113688090	113689803	1714	446	67	124.91	5.63	0.07
chr2	114026760	114027389	630	228	22	76.76	6.89	0.12
chr2	114480097	114481145	1049	633	60	160.58	12.45	0.11
chr2	116800901	116802119	1219	463	53	156.01	7.48	0.11
chr2	116945974	116947324	1351	900	66	182.37	9.05	0
chr2	117075056	117075934	879	498	29	92.51	8.16	0.07
chr2	117952722	117954400	1679	783	66	194.93	7.45	0
chr2	118213959	118214889	931	528	39	97.23	7.32	0.08
chr2	118374786	118375812	1027	585	44	124.49	7.2	0.07
chr2	118570923	118571634	712	450	26	78.16	6.86	0.12
chr2	118726660	118727442	783	449	31	70.08	6.25	0.16
chr2	118751906	118753518	1613	448	63	126.24	5.15	0.07
chr2	118798143	118799123	981	465	38	80.5	8.09	0.1
chr2	118860103	118861060	958	464	46	73.84	6.07	0.13
chr2	118872102	118873241	1140	486	62	163.2	10.68	0.06
chr2	118937831	118938857	1027	473	47	96.43	7.16	0.08
chr2	118982182	118983230	1049	530	45	106.87	8.46	0.06
chr2	119113859	119115385	1527	617	86	150.15	5.95	0.1
chr2	119163155	119164125	971	470	43	95.43	5.39	0.08
chr2	119302837	119304378	1542	472	80	158.29	6.7	0.11
chr2	119372424	119373435	1012	346	39	83.07	5.58	0.11
chr2	119419632	119420880	1249	720	50	182.06	8.74	0
chr2	119612808	119613650	843	476	27	77.42	9.17	0.12
chr2	119979664	119980699	1036	518	51	88.45	6.26	0.07
chr2	120178063	120179116	1054	509	48	165.12	11.56	0.06
chr2	120229459	120230562	1104	449	42	70.08	4.21	0.16
chr2	120389018	120389794	777	451	27	84.8	7.01	0.06
chr2	120434327	120435694	1368	866	76	148.4	5.66	0.1
chr2	120454561	120455421	861	330	53	121.17	7.08	0.07
chr2	120556580	120557816	1237	772	56	150.32	7.69	0.1
chr2	120795784	120796968	1185	538	55	101.02	6.07	0.08
chr2	120802686	120803662	977	445	39	125.92	9.1	0.07
chr2	120965380	120966620	1241	743	56	138.38	8.09	0.09
chr2	120995494	120997391	1898	1349	93	305.89	11.69	0
chr2	121238893	121240020	1128	551	46	101.79	5.88	0.05
chr2	121274116	121275901	1786	491	87	131.65	4.8	0.08

chr2	121299516	121300270	755	342	25	81.32	9.82	0.1
chr2	121332162	121332726	565	195	38	216.17	16.31	0
chr2	121853476	121855096	1621	523	88	144.35	7.61	0.09
chr2	121943337	121944672	1336	761	101	488.19	17.53	0
chr2	121972892	121974754	1863	545	89	181.45	8.71	0
chr2	121989282	121990540	1259	806	56	95.92	4.62	0.08
chr2	122200800	122201770	971	515	45	76.07	8.36	0.12
chr2	122202796	122204231	1436	390	112	271.15	10.71	0
chr2	122563609	122564744	1136	702	51	171.93	8.19	0.06
chr2	122590654	122592044	1391	316	54	87.85	4.67	0.07
chr2	125498405	125499501	1097	467	53	115.59	7.47	0.06
chr2	125607869	125608955	1087	661	50	127.57	8.43	0.07
chr2	126499949	126502051	2103	1624	127	435.23	9.63	0
chr2	126532456	126533795	1340	676	66	178.85	8.09	0
chr2	126701048	126702573	1526	1044	79	350.9	15.15	0
chr2	126758236	126759466	1231	508	58	134.89	9.44	0.08
chr2	126834005	126834952	948	524	40	77.6	7.67	0.12
chr2	127073268	127074240	973	440	42	85.18	5.83	0.07
chr2	127095334	127096959	1626	569	95	289.88	10.2	0
chr2	127161494	127162425	932	421	45	139.49	11.44	0.09
chr2	127269887	127270801	915	464	42	98.14	6.07	0.08
chr2	127951006	127952350	1345	671	69	85.8	4.68	0.07
chr2	127952552	127954192	1641	531	79	112.5	4.92	0.06
chr2	128218737	128219664	928	514	36	77.1	5.52	0.12
chr2	128512662	128513525	864	420	31	71.33	6.99	0.15
chr2	128524190	128525799	1610	489	80	269.16	14.82	0
chr2	128643069	128645439	2371	1930	119	270.85	6.83	0
chr2	128768926	128770199	1274	800	57	104.16	5.39	0.06
chr2	128792343	128794106	1764	511	124	353.95	8.65	0
chr2	128926299	128926991	693	499	28	70.36	6.16	0.16
chr2	128954718	128955858	1141	543	55	125.61	8.09	0.07
chr2	129023809	129024945	1137	756	61	102.19	6.66	0.05
chr2	129417571	129422013	4443	1519	384	1386.66	10.23	0
chr2	129425100	129426676	1577	442	61	84.77	3.68	0.06
chr2	129458078	129459820	1743	1227	77	72.25	4.59	0.15
chr2	129461004	129461988	985	432	37	92.52	6.42	0.07
chr2	129625831	129627765	1935	1467	94	263.84	8.86	0
chr2	130004495	130005642	1148	514	51	88.32	5.78	0.07
chr2	130099389	130100694	1306	812	78	164.46	9.1	0.06
chr2	130109772	130110672	901	450	37	109.06	9.89	0.06
chr2	130275469	130276691	1223	538	60	125	7.49	0.07
chr2	130455182	130456220	1039	557	40	101.35	9.79	0.08
chr2	130985536	130986653	1118	431	55	89.47	4.55	0.07
chr2	131029843	131031187	1345	577	67	108.47	5.31	0.06

chr2	131035502	131037145	1644	544	93	128.05	6.02	0.08
chr2	131087825	131089065	1241	779	55	162.75	7.19	0.12
chr2	131852902	131856004	3103	2535	165	417.48	8.09	0
chr2	132078496	132080025	1530	473	67	109.32	6.07	0.06
chr2	132402742	132404329	1588	1097	60	199.98	9.71	0
chr2	136716425	136718369	1945	550	102	201.01	6.42	0
chr2	136942035	136943305	1271	903	54	165.61	7.02	0.06
chr2	143740070	143740982	913	455	32	97.4	6.92	0.08
chr2	143990930	143991946	1017	426	49	148.53	8.5	0.1
chr2	144091302	144092348	1047	527	47	88.62	6.29	0.07
chr2	144094115	144097159	3045	2402	144	234.69	5.66	0
chr2	144193890	144195678	1789	1159	91	250.14	7.36	0
chr2	144381044	144382520	1477	532	61	110	4.85	0.06
chr2	144425238	144426314	1077	561	43	72.53	6.53	0.15
chr2	146681206	146682245	1040	487	49	153.3	12.77	0.1
chr2	146837998	146839781	1784	557	90	168.98	6.14	0.06
chr2	148506252	148507364	1113	604	48	79.93	5.49	0.1
chr2	150729899	150731099	1201	682	53	101.42	4.98	0.08
chr2	150734978	150735902	925	346	38	130.99	7.83	0.08
chr2	151367710	151368689	980	442	43	81.52	7.32	0.1
chr2	151930777	151932133	1357	532	82	107.83	5.64	0.06
chr2	152051853	152052834	982	443	40	90.12	7.36	0.07
chr2	152119322	152120315	994	509	38	79.01	5.88	0.1
chr2	152655492	152657665	2174	1369	107	320.25	8.26	0
chr2	152986591	152988137	1547	543	79	130.87	6.07	0.08
chr2	153040227	153041888	1662	1181	80	74.63	3.21	0.13
chr2	153066700	153067703	1004	607	48	122.69	7.04	0.07
chr2	153171250	153172762	1513	527	60	155.97	7.24	0.11
chr2	153457889	153458842	954	403	36	74.14	6.25	0.13
chr2	154198040	154198706	667	426	26	76.75	6.78	0.12
chr2	154438528	154440014	1487	843	69	173.14	8.09	0.07
chr2	154482079	154484149	2071	560	94	166.69	5.39	0.06
chr2	154616053	154617579	1527	1077	72	205.83	10.11	0
chr2	154876072	154876942	871	419	42	94.18	6.53	0.07
chr2	155207079	155208128	1050	546	62	164.25	9.89	0.06
chr2	155517446	155518436	991	518	49	86.08	6.26	0.07
chr2	155644513	155645592	1080	375	67	164.39	7.01	0.06
chr2	155781667	155782854	1188	750	50	89.65	6.53	0.07
chr2	155936964	155938063	1100	677	53	227.3	13.4	0
chr2	156004898	156006786	1889	923	159	475.69	10.79	0
chr2	156137134	156138752	1619	1089	89	296.42	10.92	0
chr2	156546167	156547306	1140	662	47	98.97	5.63	0.08
chr2	156547503	156548505	1003	590	39	94.08	6.47	0.07
chr2	156688090	156690140	2051	642	83	85.57	4.05	0.07

chr2	156817432	156818967	1536	364	49	90.42	5.66	0.07
chr2	156904471	156905705	1235	800	47	122.98	6.74	0.07
chr2	157026826	157027912	1087	689	45	120.3	5.44	0.07
chr2	157029267	157030641	1375	523	52	151.26	6.49	0.1
chr2	157104320	157105486	1167	533	50	149.25	8.09	0.1
chr2	157391786	157392885	1100	701	61	129.98	6.2	0.08
chr2	157853607	157854831	1225	649	57	88.58	6.26	0.07
chr2	158235078	158236203	1126	536	54	116.31	7.78	0.07
chr2	160189663	160191238	1576	336	63	114.63	4.72	0.06
chr2	160191408	160193735	2328	1351	143	343.85	12.28	0
chr2	160697903	160699343	1441	1000	57	114.87	5.63	0.06
chr2	162756923	162757746	824	388	45	216.61	13.4	0
chr2	163244709	163246126	1418	864	77	163.29	8.65	0.06
chr2	163297798	163298782	985	529	44	78.61	8.67	0.12
chr2	163427742	163428599	858	338	44	101.23	5.99	0.08
chr2	163469673	163471428	1756	1137	98	159.6	8.09	0.11
chr2	163820371	163821591	1221	203	63	121.95	5.58	0.07
chr2	163896291	163897363	1073	631	45	103.72	7.72	0.06
chr2	163899500	163900490	991	387	58	209.81	14.83	0
chr2	164268097	164269201	1105	590	63	192.56	11.26	0
chr2	164286172	164287297	1126	344	54	104.5	5.78	0.06
chr2	164322467	164323576	1110	630	49	126.7	8.86	0.07
chr2	164570936	164572000	1065	640	40	85.93	5.01	0.07
chr2	164630014	164631244	1231	488	69	199.99	6.87	0
chr2	164657961	164665703	7743	1388	455	313.58	6.02	0
chr2	164681251	164683846	2596	1849	147	331.99	7.51	0
chr2	164687525	164688646	1122	691	47	107.55	7.36	0.06
chr2	164703945	164706337	2393	1240	168	419.54	8.09	0
chr2	164736003	164737872	1870	1024	129	318.91	7.59	0
chr2	165145795	165146891	1097	436	41	88.92	5.86	0.07
chr2	165151563	165152351	789	528	33	70.57	5.06	0.16
chr2	165709239	165711807	2569	2104	128	329.62	9.85	0
chr2	165742697	165743819	1123	267	39	80.67	6.07	0.1
chr2	165747338	165748742	1405	873	54	71.99	4.33	0.15
chr2	165773065	165773888	824	292	30	73.89	5.84	0.13
chr2	165807908	165809051	1144	764	46	93.74	5.98	0.07
chr2	165817639	165819660	2022	578	115	320.98	8.76	0
chr2	166005839	166007223	1385	876	61	161.26	7.61	0.11
chr2	166271712	166272657	946	453	36	79.55	6.52	0.1
chr2	166535094	166535982	889	432	35	80.32	4.94	0.1
chr2	166537565	166539917	2353	1285	107	253.22	7.36	0
chr2	166630671	166631970	1300	435	56	156.36	6.81	0.11
chr2	166840245	166841322	1078	572	42	82.83	5.63	0.11
chr2	166887553	166889297	1745	1156	109	354.68	11.61	0

chr2	167246700	167247883	1184	660	61	158.22	9.78	0.11
chr2	167317775	167319347	1573	527	70	131.3	5.29	0.08
chr2	167413838	167415390	1553	696	89	159.25	5.71	0.11
chr2	167456992	167458039	1048	571	56	145.69	7.77	0.09
chr2	167481613	167482945	1333	989	75	145.5	5.56	0.09
chr2	167485903	167487693	1791	488	81	240.7	9.23	0
chr2	167513743	167518075	4333	746	217	430.92	8.09	0
chr2	167602522	167603630	1109	732	61	141.25	6.93	0.09
chr2	167757087	167758630	1544	845	85	232.51	8.76	0
chr2	168032056	168033244	1189	512	66	195.09	8.79	0
chr2	168055286	168056366	1081	594	48	171.16	11.27	0.06
chr2	168415319	168416190	872	451	30	79.29	6.66	0.1
chr2	168780314	168781553	1240	757	55	111.85	4.85	0.06
chr2	169957678	169958682	1005	403	39	106.93	4.94	0.06
chr2	173484756	173485990	1235	683	61	167.02	8.83	0.06
chr2	173901146	173902105	960	529	46	106.49	6.15	0.06
chr2	174152503	174153448	946	419	41	79.25	7.16	0.1
chr2	174154905	174155623	719	321	24	70.47	5.7	0.16
chr2	174262820	174265496	2677	573	138	169.49	5.25	0.06
chr2	179711131	179712216	1086	524	74	280.21	13.97	0
chr2	179758966	179760137	1172	711	46	109.85	7.69	0.06
chr2	179776492	179777699	1208	724	69	173.79	7.49	0.07
chr2	179804849	179805887	1039	488	61	90.29	6.88	0.07
chr2	180436111	180437306	1196	704	49	115.21	6.55	0.06
chr2	180444245	180445539	1295	522	58	186.42	9.15	0
chr2	180701258	180702430	1173	643	50	116.21	6.62	0.07
chr2	180921598	180922859	1262	921	53	124.48	6.05	0.07
chr2	181021842	181023395	1554	895	83	147.17	6.32	0.09
chr2	181099259	181100880	1622	789	82	140.24	5.74	0.09
chr2	181231547	181232691	1145	384	51	70.46	5.56	0.16
chr2	181253913	181255758	1846	1164	100	169.77	7.36	0.06
chr2	181315483	181317076	1594	1160	65	147.25	6.93	0.1
chr2	181327440	181328341	902	417	37	96.21	6.47	0.08
chr2	181332903	181334271	1369	689	64	152.52	6.28	0.1
chr2	181414410	181415493	1084	452	50	160.74	9.39	0.11
chr2	181427660	181429192	1533	904	90	200.33	8.9	0
chr2	181572177	181572864	688	461	30	109.61	10.63	0.06
chr2	181651913	181652931	1019	272	137	156.45	5.5	0.11
chr3	5575561	5576721	1161	310	55	104.24	4.91	0.06
chr3	5860464	5860975	512	210	144	280.84	5.61	0
chr3	8923078	8924391	1314	743	73	139.32	6.83	0.09
chr3	9003703	9004994	1292	992	50	121.14	5.85	0.07
chr3	10011913	10014076	2164	809	112	183.84	4.55	0
chr3	10017055	10018578	1524	485	58	98.59	7.75	0.08

chr3	14610639	14611754	1116	707	49	111.93	6.33	0.06
chr3	16082715	16084058	1344	633	71	138.8	6.47	0.09
chr3	16084083	16085096	1014	662	37	84.98	5.78	0.07
chr3	19062604	19063593	990	390	36	86.12	5.96	0.07
chr3	19527642	19529467	1826	1358	77	95.76	4.96	0.08
chr3	20054603	20055450	848	451	28	76.66	8.09	0.12
chr3	21974679	21976775	2097	1654	84	218.79	8.45	0
chr3	27081545	27083411	1867	623	93	200.53	5.6	0
chr3	27092028	27093556	1529	624	80	137.73	5.31	0.09
chr3	27157423	27158024	602	195	26	92.57	9.25	0.07
chr3	27609633	27610449	817	479	33	97	8.09	0.08
chr3	30499808	30500645	838	404	45	115	9.34	0.06
chr3	30691616	30692736	1121	496	59	174.34	9.19	0.07
chr3	30991988	30993308	1321	804	56	150.6	6.71	0.1
chr3	30993421	30994965	1545	1161	64	122.77	6.41	0.07
chr3	32295289	32296376	1088	530	55	98.46	5.48	0.08
chr3	32296384	32297125	742	417	28	70.42	6.19	0.16
chr3	32607024	32608171	1148	585	58	103.03	5.48	0.06
chr3	33698379	33699603	1225	663	58	227.26	9.71	0
chr3	33918209	33919413	1205	331	46	148.91	9.17	0.1
chr3	33979767	33980715	949	422	38	108.45	10.34	0.06
chr3	36373701	36375216	1516	1186	69	112.85	5.02	0.06
chr3	40886410	40887732	1323	913	61	87.34	4.8	0.07
chr3	41369504	41370441	938	510	45	144.79	9.79	0.09
chr3	41545786	41546928	1143	712	49	146.66	8.99	0.09
chr3	51079527	51081816	2290	1824	91	193.16	7.32	0
chr3	51136868	51137939	1072	548	51	98.24	5.49	0.08
chr3	51143542	51145214	1673	1122	88	366.98	12.32	0
chr3	51219250	51221019	1770	1274	76	233.76	7.61	0
chr3	51287216	51288695	1480	526	81	142.5	5.64	0.09
chr3	51873332	51874656	1325	551	82	254.89	13.4	0
chr3	51906101	51907274	1174	459	55	134.97	5.98	0.08
chr3	52071803	52072551	749	518	26	71.24	6.19	0.15
chr3	52820593	52821413	821	440	30	74.42	8.52	0.13
chr3	53266686	53268170	1485	502	68	126.15	5.99	0.07
chr3	53667327	53668215	889	604	48	128.57	6.8	0.08
chr3	54496234	54497235	1002	441	44	81.01	5.99	0.1
chr3	54538474	54539450	977	481	48	92.83	6.7	0.07
chr3	54915600	54916904	1305	468	60	120.19	7.47	0.07
chr3	57539331	57541300	1970	596	88	153.01	5.09	0.1
chr3	58218105	58221625	3521	627	175	335.84	8.55	0
chr3	58328888	58330084	1197	734	53	153.57	8.52	0.1
chr3	58380147	58381062	916	476	44	142.11	8.94	0.09
chr3	58495285	58496582	1298	596	58	222.35	10.4	0

chr3	60276406	60278919	2514	291	100	202.08	5.15	0
chr3	60304745	60306051	1307	485	52	142.9	9.04	0.09
chr3	61166690	61169889	3200	1802	190	411.81	8.9	0
chr3	63779670	63780681	1012	533	41	133.67	7.59	0.08
chr3	65331271	65332849	1579	781	79	183.1	6.8	0
chr3	65332956	65334030	1075	496	41	102.32	5.96	0.05
chr3	65462472	65463746	1275	396	68	201.54	7.36	0
chr3	65469679	65470626	948	384	46	108.28	6.8	0.06
chr3	65761528	65763001	1474	669	94	222.97	8.61	0
chr3	65778199	65779894	1696	240	80	136.57	5.86	0.08
chr3	67386164	67387380	1217	578	56	76.45	4.9	0.12
chr3	68808048	68809486	1439	479	59	105.62	4.53	0.06
chr3	68930419	68931645	1227	853	57	78.99	4.41	0.1
chr3	75760365	75761202	838	495	37	70.69	5.09	0.16
chr3	79090211	79091728	1518	478	68	216.57	7.95	0
chr3	79370292	79372405	2114	1685	94	142.96	5.02	0.09
chr3	79646179	79646998	820	262	30	86.08	6.62	0.07
chr3	83843272	83844410	1139	643	47	138.84	8.27	0.09
chr3	84386203	84387215	1013	314	36	89.63	5.39	0.07
chr3	84617729	84619019	1291	771	78	167.16	7.84	0.06
chr3	84619126	84619795	670	497	26	76.31	5.87	0.12
chr3	85945860	85947154	1295	575	72	151.41	6.47	0.1
chr3	87328914	87330394	1481	613	72	145.26	6.29	0.09
chr3	87420846	87422058	1213	732	43	96.89	7.24	0.08
chr3	87709640	87710768	1129	548	60	208.91	8.52	0
chr3	87733622	87734922	1301	502	68	152.74	8.39	0.1
chr3	87885490	87886243	754	457	31	88.24	6.81	0.07
chr3	87906185	87907367	1183	785	49	75.98	4.05	0.14
chr3	87941805	87943297	1493	998	108	360.5	9.34	0
chr3	87943956	87946994	3039	1599	135	315.12	7.15	0
chr3	88100045	88101379	1335	825	65	132.79	5.39	0.08
chr3	88139700	88140610	911	534	48	76.94	4.62	0.12
chr3	88296397	88297592	1196	626	59	117.78	5.78	0.07
chr3	88306658	88307815	1158	535	56	103.57	6.7	0.06
chr3	88335209	88336099	891	468	32	82.23	6.74	0.1
chr3	88356005	88358497	2493	1578	120	282.41	7.65	0
chr3	88410991	88411667	677	198	27	71.4	6.07	0.15
chr3	88424453	88426919	2467	673	129	306.73	8.74	0
chr3	88489036	88490441	1406	751	71	129.59	5.66	0.08
chr3	88717275	88718674	1400	604	82	253.18	7.74	0
chr3	88968240	88969262	1023	486	39	91.69	9.3	0.07
chr3	88980819	88981935	1117	526	66	159.09	9.49	0.11
chr3	88999875	89000807	933	361	40	130.23	9.04	0.08
chr3	89006481	89007235	755	413	25	82.01	8.16	0.1

chr3	89195128	89196625	1498	1195	62	138.82	6.93	0.09
chr3	89196632	89198628	1997	955	98	156.88	5.48	0.11
chr3	89215401	89216423	1023	451	39	70.61	4.38	0.16
chr3	89221939	89222975	1037	318	48	161.05	9.71	0.11
chr3	89576500	89578716	2217	803	116	327.33	8.97	0
chr3	89716017	89717631	1615	1140	88	202.07	6.83	0
chr3	89855791	89856953	1163	713	50	132.57	5.66	0.08
chr3	89883041	89884861	1821	495	92	132.58	4.52	0.08
chr3	90016959	90018222	1264	577	82	200.86	9.66	0
chr3	90024157	90025158	1002	483	40	132.23	9.85	0.08
chr3	90035054	90036143	1090	549	50	127.7	8.46	0.07
chr3	90051381	90052592	1212	504	53	151.4	8.94	0.1
chr3	90068167	90070979	2813	1398	149	339.64	5.91	0
chr3	90096012	90098061	2050	989	82	122.9	5.39	0.07
chr3	90236434	90238103	1670	1040	80	112.14	5.64	0.06
chr3	90279447	90280592	1146	373	73	176.32	9.4	0.07
chr3	90294328	90295344	1017	604	52	176.25	11.07	0.07
chr3	90312612	90313965	1354	836	56	139.82	7.28	0.09
chr3	94385716	94387153	1438	957	63	103.65	4.91	0.06
chr3	94624871	94625719	849	449	30	76.37	9.44	0.12
chr3	94641915	94642657	743	351	29	101.65	8.09	0.08
chr3	94757545	94758473	929	476	33	72.46	6.07	0.15
chr3	94778324	94779605	1282	825	57	175.05	7.64	0.07
chr3	94818860	94820539	1680	627	84	193.57	6.8	0
chr3	94845882	94846959	1078	504	43	77.12	6.47	0.12
chr3	94937129	94938097	969	339	40	76.53	4.85	0.12
chr3	94943321	94944637	1317	414	47	101.37	6.42	0.08
chr3	94945131	94946739	1609	462	71	81.14	4.52	0.1
chr3	95020959	95022267	1309	558	73	177.5	7.79	0.07
chr3	95031788	95033562	1775	781	94	231.57	7.77	0
chr3	95084511	95088263	3753	791	171	455	6.15	0
chr3	95116196	95117105	910	462	35	84.62	6.47	0.06
chr3	95118548	95120080	1533	785	79	234.74	8.09	0
chr3	95237825	95239111	1287	748	58	100.99	5.2	0.08
chr3	95322548	95323488	941	529	35	75.78	6.55	0.13
chr3	95327346	95328435	1090	594	41	87.94	6.16	0.07
chr3	95330253	95331814	1562	530	81	265	9.22	0
chr3	95392210	95393131	922	364	36	132.35	8.74	0.08
chr3	95428441	95429672	1232	198	43	70.16	4.38	0.16
chr3	95454195	95455922	1728	1169	84	186.34	5.5	0
chr3	95461975	95464557	2583	681	181	466.33	9.61	0
chr3	95464573	95469711	5139	550	260	413.22	6	0
chr3	95477359	95478892	1534	454	60	103.35	6.3	0.06
chr3	95621722	95624164	2443	1137	146	370.91	9.29	0

chr3	95674958	95675889	932	500	40	147.61	9.7	0.1
chr3	95797187	95800755	3569	1410	220	598.49	8.4	0
chr3	95908056	95909108	1053	623	39	94.41	5.54	0.07
chr3	95975675	95976911	1237	675	64	166.12	6.74	0.06
chr3	96022844	96026027	3184	1365	182	682.14	10.85	0
chr3	96048517	96049383	867	498	39	114.9	9.08	0.06
chr3	96065727	96067959	2233	1507	129	338.82	7.92	0
chr3	96072112	96072810	699	503	36	109.61	6.62	0.06
chr3	96072856	96074209	1354	377	72	110.86	4.39	0.06
chr3	96104390	96105341	952	725	44	70.39	4.7	0.16
chr3	96303055	96306016	2962	2423	186	520.09	12.14	0
chr3	96360594	96364347	3754	1331	231	571.57	8.96	0
chr3	96364544	96367003	2460	1921	116	245.87	6.47	0
chr3	96368203	96369333	1131	553	54	116.99	8.09	0.07
chr3	96439031	96439884	854	584	44	124.3	5.98	0.07
chr3	96500002	96501535	1534	864	73	259.89	9.37	0
chr3	96530915	96532230	1316	760	62	143.19	5.39	0.09
chr3	96962477	96963169	693	259	24	73.44	7.26	0.13
chr3	97413554	97414598	1045	659	42	136.32	9.16	0.08
chr3	97816984	97818088	1105	380	60	130.39	7.25	0.08
chr3	100488823	100490229	1407	573	68	224.97	10.79	0
chr3	101407536	101409108	1573	670	82	199.94	7.44	0
chr3	102823825	102825209	1385	442	62	79.05	4.41	0.1
chr3	102861726	102862823	1098	578	59	274.85	19.81	0
chr3	103082737	103084097	1361	410	62	144.9	6.68	0.09
chr3	103594845	103596161	1317	520	68	166.35	7.77	0.06
chr3	103717770	103719003	1234	592	63	198.79	12.14	0
chr3	103771522	103772740	1219	585	54	109.86	5.5	0.06
chr3	104024034	104024750	717	319	24	73.42	7.51	0.13
chr3	104315020	104316253	1234	725	55	126.46	7.04	0.07
chr3	104442068	104442880	813	424	31	98.81	8.63	0.08
chr3	104666502	104668451	1950	756	118	307.67	6.59	0
chr3	104849337	104851170	1834	1323	81	131.26	5.2	0.08
chr3	104854817	104856610	1794	1019	89	280.86	9.79	0
chr3	105697386	105698860	1475	457	63	105.55	4.79	0.06
chr3	105761590	105762612	1023	237	45	82.78	4.79	0.11
chr3	106349980	106351222	1243	657	55	78.61	4.44	0.12
chr3	106524115	106525532	1418	495	71	71.1	3.35	0.16
chr3	106590798	106591885	1088	793	36	103.29	7.06	0.06
chr3	107081641	107082499	859	323	33	120.7	11.07	0.07
chr3	107135558	107137678	2121	1084	110	139.49	4.59	0.09
chr3	107434088	107435040	953	442	35	85.18	5.96	0.07
chr3	107948576	107949560	985	505	46	114.76	9.15	0.06
chr3	108002878	108004031	1154	807	54	80.82	4.55	0.1

chr3	108012839	108014077	1239	483	67	167	6.27	0.06
chr3	108357079	108357954	876	554	59	162.03	8.9	0.11
chr3	108374175	108375237	1063	488	61	108.7	7.4	0.06
chr3	108393597	108394636	1040	468	44	123.44	8.09	0.07
chr3	108642806	108643906	1101	555	46	77.71	5.09	0.12
chr3	108714128	108715224	1097	541	61	143.3	6.93	0.09
chr3	108830270	108830998	729	330	25	71.46	6.95	0.15
chr3	109143459	109144447	989	478	38	100.63	6.6	0.08
chr3	113332415	113333681	1267	602	67	131.97	7.28	0.08
chr3	115416880	115418342	1463	820	62	158	6.88	0.11
chr3	115590483	115591625	1143	625	51	118.46	6.33	0.07
chr3	115709787	115710829	1043	609	41	129.46	8.09	0.08
chr3	116364635	116366074	1440	857	65	228.29	9.16	0
chr3	116510851	116512052	1202	779	56	78.23	4.66	0.12
chr3	116564159	116565136	978	509	47	92.95	7.22	0.07
chr3	117571379	117572486	1108	554	58	264.84	14.56	0
chr3	121948207	121949227	1021	442	46	155.31	12.85	0.11
chr3	121995419	121996794	1376	540	73	166.22	7.49	0.06
chr3	122122529	122123399	871	355	32	73.94	6.07	0.13
chr3	122687098	122688069	972	523	35	77.52	7.69	0.12
chr3	123088425	123089375	951	447	33	93.28	8.6	0.07
chr3	123210855	123212276	1422	388	77	140.53	7.33	0.09
chr3	126298860	126300733	1874	1406	84	147.5	5.99	0.1
chr3	127492299	127494351	2053	611	101	180.63	7.81	0
chr3	129672129	129673478	1350	925	53	78.76	5.39	0.12
chr3	129763347	129764225	879	317	40	129.04	7.56	0.08
chr3	130411463	130412809	1347	835	55	175.51	9.61	0.07
chr3	130432482	130434006	1525	813	89	259.7	10.45	0
chr3	132346436	132347518	1083	517	52	73.54	4.05	0.13
chr3	132754121	132755593	1473	605	76	135.32	5.74	0.08
chr3	133206871	133207449	579	302	21	74.13	7.76	0.13
chr3	135085568	135086832	1265	443	51	74.93	4.33	0.13
chr3	135100439	135102787	2349	866	136	317.65	7.22	0
chr3	135354251	135355032	782	486	30	84.34	5.39	0.06
chr3	136332118	136334157	2040	692	102	72.06	3.34	0.15
chr3	137530338	137531152	815	209	36	77.32	4.85	0.12
chr3	137806098	137807416	1319	779	75	169.88	5.58	0.06
chr3	142427527	142428822	1296	688	79	293.47	13.35	0
chr3	142544474	142545615	1142	422	59	227.43	10.21	0
chr3	143867195	143868992	1798	890	83	262.73	8.23	0
chr3	144232579	144234168	1590	1052	78	176.27	8.09	0.07
chr3	144381789	144382930	1142	665	51	80.02	6.42	0.1
chr3	144780853	144782461	1609	1088	75	133.77	8.09	0.08
chr3	145586385	145588082	1698	914	92	165.31	6.32	0.06

chr3	145600582	145601574	993	442	45	162.69	11.12	0.12
chr3	145626840	145627550	711	400	31	79.41	6.62	0.1
chr3	146162186	146163497	1312	1018	52	151.04	6.66	0.1
chr3	146183802	146184682	881	478	38	87.77	6.68	0.07
chr3	146475520	146476585	1066	541	60	124.87	7.31	0.07
chr3	148651570	148652807	1238	416	51	136.34	7.24	0.08
chr3	151855418	151857262	1845	446	68	135.78	6.72	0.08
chr3	151872259	151874337	2079	1232	125	404.4	9.51	0
chr3	152008994	152010287	1294	901	54	174	9.97	0.07
chr3	152058371	152059849	1479	1055	76	261.2	12.82	0
chr3	152140442	152141486	1045	399	39	77.99	4.05	0.12
chr3	153575157	153576538	1382	859	74	188.18	8.09	0
chr3	153606868	153608094	1227	713	70	96.54	5.66	0.08
chr3	154259315	154260511	1197	743	53	196.46	9.71	0
chr3	157196757	157197982	1226	448	66	86.25	5.6	0.07
chr3	157609647	157610664	1018	270	57	199.46	9.71	0
chr3	157699001	157700055	1055	526	53	110.03	8.38	0.06
chr4	3501389	3502503	1115	611	48	70.8	5.12	0.16
chr4	3762184	3763230	1047	512	52	82.28	5.88	0.1
chr4	4719904	4720903	1000	444	41	77.32	7.12	0.12
chr4	6292273	6293919	1647	971	98	334.89	9.25	0
chr4	6380729	6381389	661	427	22	74.22	7.57	0.13
chr4	8462251	8463327	1077	604	43	133.72	11.35	0.08
chr4	8573833	8575262	1430	933	68	210.2	9	0
chr4	9595654	9597331	1678	512	69	108.42	5.49	0.06
chr4	10800728	10801939	1212	551	72	358.5	17.48	0
chr4	10934229	10935694	1466	833	91	183.48	7.14	0
chr4	11082885	11084071	1187	469	67	126.13	7.36	0.07
chr4	11117966	11118697	732	532	28	90.43	7.08	0.07
chr4	11180856	11181774	919	339	42	129.25	9.37	0.08
chr4	11248854	11249915	1062	563	53	174.91	12.35	0.07
chr4	11412525	11413660	1136	683	57	123.28	6.89	0.07
chr4	14753201	14754106	906	370	38	79.66	6.07	0.1
chr4	15884884	15885979	1096	628	45	147.28	9.61	0.1
chr4	15940439	15941394	956	466	39	78.22	6.07	0.12
chr4	16090202	16091672	1471	703	69	148.25	5.5	0.1
chr4	19501942	19503023	1082	488	48	99.35	6.47	0.08
chr4	19633687	19636844	3158	1032	163	397.35	9.1	0
chr4	19783115	19783982	868	448	32	94.03	7.85	0.07
chr4	19800556	19801530	975	530	35	74.08	5.5	0.13
chr4	19821815	19822859	1045	571	41	76.95	6.07	0.12
chr4	21654254	21655344	1091	640	43	85.95	5.63	0.07
chr4	21703063	21703875	813	350	28	73.82	7.52	0.13
chr4	21774222	21775714	1493	848	70	80.75	4.05	0.1

chr4	21806431	21807544	1114	474	46	97.37	5.63	0.08
chr4	22284073	22285714	1642	979	87	294.46	10.22	0
chr4	25208470	25209405	936	473	44	72.48	6.27	0.15
chr4	32050432	32051421	990	632	48	146.82	7.69	0.09
chr4	32337127	32338349	1223	532	52	88.72	5.09	0.07
chr4	32701822	32702701	880	519	48	158.06	8.09	0.11
chr4	32743561	32744532	972	481	38	105.47	8.09	0.06
chr4	32886702	32887765	1064	543	44	88.35	7.75	0.07
chr4	33117693	33118864	1172	589	59	165.7	9.93	0.06
chr4	33334020	33336233	2214	1690	135	337.28	7.22	0
chr4	34497287	34498403	1117	537	49	93.91	7.47	0.07
chr4	34561554	34562639	1086	536	47	126.49	8.5	0.07
chr4	34634103	34635096	994	506	40	107.01	9.79	0.06
chr4	34725288	34725978	691	259	36	116.68	11.17	0.07
chr4	34829675	34830924	1250	476	56	81.63	5.74	0.1
chr4	34833474	34834654	1181	727	45	133.12	7.94	0.08
chr4	34882880	34883247	368	184	18	90.86	10.49	0.07
chr4	35172118	35174019	1902	893	88	144.16	5.86	0.09
chr4	40089857	40091048	1192	772	48	137.44	6.89	0.08
chr4	40215296	40217352	2057	1672	92	175.63	6.35	0.07
chr4	40225967	40226962	996	498	41	87.84	7.04	0.07
chr4	40668718	40670789	2072	700	118	471.62	11.01	0
chr4	40800376	40801657	1282	459	58	127.7	7.08	0.07
chr4	40917424	40918362	939	453	44	84.61	5.78	0.06
chr4	41081629	41083380	1752	507	81	238	8.52	0
chr4	41260923	41262367	1445	526	63	96.46	4.45	0.08
chr4	41295605	41296657	1053	505	44	89.7	6.74	0.07
chr4	41411281	41412452	1172	721	67	112.12	5.39	0.06
chr4	41660002	41661105	1104	416	45	136.93	7.61	0.08
chr4	41669635	41670674	1040	506	45	121.69	11.73	0.07
chr4	41687248	41688737	1490	649	82	98.49	4.74	0.08
chr4	42962119	42963399	1281	495	64	94.3	4.52	0.07
chr4	43012324	43014104	1781	1378	82	168.89	5.5	0.06
chr4	43043890	43044831	942	477	36	75.49	6.25	0.13
chr4	43051653	43053500	1848	1474	98	253.83	9.78	0
chr4	43056474	43057878	1405	436	49	87.65	4.72	0.07
chr4	43394074	43395311	1238	658	61	166.54	8.09	0.06
chr4	43505260	43506667	1408	536	62	123.02	5.83	0.07
chr4	43521052	43522031	980	542	56	190.72	14.26	0
chr4	43572286	43573675	1390	1049	57	79.64	5.3	0.1
chr4	43574521	43576010	1490	711	78	198.95	6.99	0
chr4	43591059	43592412	1354	846	68	239.27	8.27	0
chr4	43668599	43669769	1171	655	50	109.69	5.63	0.06
chr4	44024772	44026208	1437	646	84	204.76	7.51	0

chr4	44180278	44181752	1475	1070	57	159.37	8.57	0.11
chr4	44246682	44247951	1270	528	62	197.26	13.2	0
chr4	44768705	44770187	1483	786	74	139.13	5.58	0.09
chr4	45024164	45026132	1969	1234	114	109.2	4.13	0.06
chr4	45120291	45121270	980	526	37	98.88	6.29	0.08
chr4	45332774	45333961	1188	543	60	106.07	6.52	0.06
chr4	45354486	45355716	1231	705	54	148.7	6.81	0.1
chr4	45543315	45544548	1234	694	51	78.28	4.33	0.12
chr4	46151087	46151915	829	461	46	140.59	9.85	0.09
chr4	46401637	46402943	1307	658	58	82.67	4.7	0.11
chr4	46463277	46464689	1413	405	52	158.71	6.97	0.11
chr4	46547141	46548429	1289	803	52	76.25	4.05	0.12
chr4	46662584	46663648	1065	598	44	73.5	5.09	0.13
chr4	47364693	47366719	2027	1439	112	366.18	11.2	0
chr4	47486798	47487923	1126	654	48	143.08	7.64	0.09
chr4	48055479	48056783	1305	866	61	196.54	9.44	0
chr4	48291907	48293585	1679	650	72	82.33	4.17	0.11
chr4	49533220	49534482	1263	792	50	127.59	6.81	0.07
chr4	52451468	52452368	901	452	38	101.83	6.88	0.05
chr4	53024234	53025478	1245	552	66	194.75	8.83	0
chr4	53171122	53173332	2211	1645	120	316.05	9.78	0
chr4	53452456	53453516	1061	535	43	129	8.94	0.08
chr4	55362277	55363999	1723	392	86	168.19	5.49	0.06
chr4	55544935	55546594	1660	910	126	492.9	13.72	0
chr4	55663643	55665027	1385	730	81	249.88	8.44	0
chr4	56814571	56815667	1097	587	50	113.14	7.75	0.06
chr4	57968506	57970338	1833	1023	110	248.78	6.2	0
chr4	58925068	58926174	1107	741	37	102.42	5.99	0.06
chr4	59450796	59451959	1164	486	45	92.67	4.78	0.07
chr4	59560775	59562770	1996	1747	107	326.11	8.09	0
chr4	62020888	62022300	1413	594	75	126.56	5.64	0.07
chr4	62068442	62069989	1548	513	68	112.82	6.12	0.06
chr4	62180824	62181444	621	287	27	88.66	8.99	0.07
chr4	63062318	63064759	2442	1885	117	179.94	5.53	0
chr4	66489100	66490233	1134	785	42	76.71	4.22	0.12
chr4	71860933	71861962	1030	705	36	70.95	5.01	0.16
chr4	73897244	73898425	1182	432	62	94.99	4.85	0.07
chr4	74923733	74924548	816	370	30	91.84	9.61	0.07
chr4	82505041	82505931	891	396	39	102.68	7.32	0.06
chr4	83063229	83064179	951	423	53	152.95	8.76	0.1
chr4	84529983	84530913	931	445	31	73.05	8.57	0.13
chr4	86221083	86222162	1080	374	48	70.69	4.44	0.16
chr4	86313374	86316399	3026	2478	145	401.72	9.63	0
chr4	86357015	86359544	2530	2183	107	260.82	6.47	0

chr4	86394047	86395782	1736	554	85	180.18	7.78	0
chr4	86502779	86503743	965	484	34	97.39	8.09	0.08
chr4	88083893	88085121	1229	827	46	135.86	8.09	0.08
chr4	93001221	93002804	1584	297	83	250.4	10.4	0
chr4	94222961	94223882	922	551	58	248.67	15.28	0
chr4	94645232	94646304	1073	438	51	83.51	4.96	0.06
chr4	94717212	94719832	2621	1626	133	197.49	6.62	0
chr4	97417536	97419336	1801	1252	90	218.99	7.79	0
chr4	98049346	98050345	1000	547	44	145.64	9.99	0.09
chr4	98589207	98590847	1641	976	70	170.11	6.25	0.06
chr4	100937249	100938264	1016	566	53	183.01	10.65	0
chr4	100964332	100966127	1796	527	93	260.68	8.09	0
chr4	101027632	101028286	655	199	24	73.96	8.39	0.13
chr4	101028342	101029752	1411	316	70	257.15	9.26	0
chr4	101319514	101320850	1337	864	73	129.3	5.15	0.08
chr4	102786363	102787563	1201	505	53	113.91	6.07	0.06
chr4	102791841	102792563	723	213	28	87.52	6.78	0.07
chr4	102887420	102888371	952	530	37	134.99	11.65	0.08
chr4	102986094	102987032	939	660	37	97.53	5.54	0.08
chr4	105988305	105989216	912	380	39	144.01	11.87	0.09
chr4	106511892	106513063	1172	737	45	91.76	6.62	0.07
chr4	106537706	106538728	1023	696	42	121.81	7.19	0.07
chr4	106850560	106851911	1352	459	64	118.96	6.36	0.07
chr4	107040003	107041054	1052	502	48	172.57	10.05	0.07
chr4	107973106	107974345	1240	529	56	165.06	6.81	0.06
chr4	108132332	108133548	1217	256	45	90.65	4.54	0.07
chr4	108251440	108252226	787	463	35	95.37	6.55	0.07
chr4	108292152	108293182	1031	285	50	152.35	7.28	0.1
chr4	108952439	108953399	961	405	35	103.68	10.11	0.06
chr4	109338810	109340051	1242	644	61	219	9.04	0
chr4	109348665	109349854	1190	478	59	70.17	4.47	0.16
chr4	111392060	111393104	1045	505	42	126.82	9.52	0.07
chr4	114659226	114660161	936	353	41	120.71	7.24	0.07
chr4	114672041	114673043	1003	492	42	76.73	4.98	0.12
chr4	114725022	114725911	890	509	35	106.95	8.67	0.06
chr4	114728842	114730188	1347	786	75	269.13	9.79	0
chr4	115409689	115410750	1062	766	41	126.9	7.58	0.07
chr4	115500235	115501262	1028	472	47	81.55	6.97	0.1
chr4	115725943	115726906	964	391	33	98.85	7.55	0.08
chr4	115747190	115748670	1481	488	71	133.04	6.93	0.08
chr4	115822436	115823381	946	504	33	103.95	10.53	0.06
chr4	115893489	115894479	991	781	36	92.13	4.94	0.07
chr4	116228223	116230870	2648	1397	158	263.94	6.29	0
chr4	116269680	116270716	1037	519	48	165.86	9.52	0.06

chr4	116322920	116324609	1690	1324	89	207.66	7.78	0
chr4	116357144	116359141	1998	1130	103	160.48	6.62	0.11
chr4	116828109	116829176	1068	546	50	155.04	9.37	0.1
chr4	116854840	116855759	920	390	37	82.92	7.72	0.11
chr4	116861916	116863466	1551	754	81	231.39	8.46	0
chr4	116961599	116962856	1258	573	52	152.25	7.61	0.1
chr4	117354259	117355127	869	531	35	84.33	5.01	0.06
chr4	117558448	117560364	1917	1350	86	116.19	5.15	0.07
chr4	117587034	117588306	1273	810	65	165.75	8.76	0.06
chr4	117806870	117808190	1321	879	60	140.14	7.04	0.09
chr4	118100062	118101787	1726	598	78	197.84	7.72	0
chr4	118780956	118782364	1409	439	62	86.17	5.48	0.07
chr4	119211574	119212571	998	481	53	144.59	7.75	0.09
chr4	119405875	119406813	939	489	45	72.26	6.32	0.15
chr4	120077918	120078694	777	399	28	90.89	7.55	0.07
chr4	120497603	120498556	954	361	44	108.65	7.39	0.06
chr4	120596985	120598307	1323	801	56	135.32	6.93	0.08
chr4	120623867	120625048	1182	562	61	229.65	10.95	0
chr4	120681531	120682218	688	429	30	100.47	10.21	0.08
chr4	120689023	120690209	1187	739	47	100.16	6.65	0.08
chr4	120886572	120888292	1721	1176	87	208.15	10.03	0
chr4	122562411	122564228	1818	554	109	246.36	7.55	0
chr4	122693710	122694365	656	260	27	78.71	6.81	0.12
chr4	123249595	123250579	985	463	44	123.88	6.88	0.07
chr4	123394998	123396109	1112	614	47	148.08	9.52	0.1
chr4	123427183	123428112	930	413	35	92.67	5.78	0.07
chr4	123581603	123583104	1502	998	65	132.78	5.06	0.08
chr4	124373011	124374008	998	563	38	82.77	4.96	0.11
chr4	124377390	124379197	1808	667	72	172.32	7.91	0.07
chr4	124385772	124388081	2310	1336	113	261.64	5.73	0
chr4	124428375	124429325	951	469	41	88.29	7.42	0.07
chr4	124479168	124480229	1062	516	48	91.17	6.59	0.07
chr4	124527367	124528565	1199	625	64	200.77	8.48	0
chr4	124613686	124614755	1070	557	46	72.33	5.3	0.15
chr4	124743265	124744489	1225	608	65	182.72	9.5	0
chr4	124761871	124762859	989	308	39	89.89	6.16	0.07
chr4	124794801	124795993	1193	676	55	75.57	4.66	0.13
chr4	124804153	124805551	1399	912	72	128.41	5.48	0.08
chr4	125701324	125702609	1286	458	55	101.45	4.21	0.08
chr4	125773604	125774288	685	232	29	81.33	6.07	0.1
chr4	125779958	125781853	1896	1231	73	97.7	3.91	0.08
chr4	125878627	125880747	2121	1467	120	169.4	6.17	0.06
chr4	125932555	125934376	1822	967	106	290.9	9.71	0
chr4	125939010	125940058	1049	677	50	74.11	5.64	0.13

chr4	125998346	125999480	1135	616	59	77.05	6.39	0.12
chr4	126105592	126107893	2302	1052	97	117.18	5.74	0.07
chr4	126230206	126230993	788	408	25	73.01	8.2	0.13
chr4	126286711	126287510	800	431	39	129.66	8.94	0.08
chr4	126354366	126355318	953	499	77	206.69	12.36	0
chr4	126430275	126431588	1314	289	73	185.29	7.47	0
chr4	126697988	126700037	2050	1639	82	132.54	5.32	0.08
chr4	128404231	128405749	1519	570	62	157.01	9.76	0.11
chr4	128482470	128483192	723	466	23	73.39	6.99	0.13
chr4	128483731	128484392	662	327	24	80.42	7.01	0.1
chr4	128639202	128640202	1001	703	48	137.28	7.71	0.08
chr4	128726091	128726827	737	407	26	72.61	6.19	0.15
chr4	128734977	128735955	979	434	36	87.37	7.24	0.07
chr4	128865821	128867599	1779	386	90	194.41	6.74	0
chr4	129012081	129013179	1099	512	52	88.94	4.85	0.07
chr4	129138461	129139496	1036	479	43	92.55	6.68	0.07
chr4	129219329	129220582	1254	692	57	141.9	6.99	0.09
chr4	129295663	129296929	1267	670	67	93.3	5.9	0.07
chr4	129301136	129302897	1762	1266	72	74.62	4.18	0.13
chr4	129317316	129318857	1542	556	70	120.57	4.91	0.07
chr4	129349394	129350751	1358	593	60	143.27	5.88	0.09
chr4	129418967	129420421	1455	581	72	141.32	6.65	0.09
chr4	129496757	129499258	2502	1223	134	352.82	9.61	0
chr4	129784523	129785419	897	307	40	80.95	5.29	0.1
chr4	130036914	130037926	1013	529	48	97.78	7.19	0.08
chr4	130218876	130219876	1001	490	37	90.03	7.66	0.07
chr4	130468733	130470255	1523	515	76	252.1	12.31	0
chr4	131398860	131399899	1040	558	47	125.66	9.25	0.07
chr4	131428827	131430377	1551	766	80	279.68	8.99	0
chr4	131466167	131467133	967	477	35	78.06	6.47	0.12
chr4	131630642	131631588	947	502	46	114.29	7.42	0.06
chr4	131767463	131768544	1082	468	44	103.85	5.78	0.06
chr4	131815983	131817064	1082	396	41	101.48	5.54	0.08
chr4	131825419	131826646	1228	700	97	290.42	12.79	0
chr4	131829857	131830778	922	342	42	133.05	8.78	0.08
chr4	131908992	131909998	1007	535	38	133.22	12.71	0.08
chr4	131977887	131978823	937	406	42	80.38	5.99	0.1
chr4	132019213	132020299	1087	486	47	142.64	7.64	0.09
chr4	132065738	132066570	833	566	44	121.76	8.76	0.07
chr4	132071053	132072083	1031	407	38	91.76	7.24	0.07
chr4	132091055	132092028	974	375	38	105.91	7.68	0.06
chr4	132398497	132399659	1163	533	54	84.27	5.22	0.06
chr4	132439290	132440772	1483	873	68	121.84	4.98	0.07
chr4	132478213	132479283	1071	483	53	102.24	6.42	0.05

chr4	132673520	132674417	898	527	41	154.4	9.34	0.1
chr4	132685452	132687013	1562	1063	65	162.21	6.91	0.11
chr4	132832965	132834388	1424	566	75	124.95	4.9	0.07
chr4	132925203	132926172	970	505	44	95.11	8.09	0.07
chr4	133101343	133102333	991	482	36	110.53	9.98	0.06
chr4	133139686	133140931	1246	754	52	125.16	5.81	0.07
chr4	133215263	133216510	1248	751	53	121.74	6.25	0.07
chr4	133227762	133229625	1864	600	113	247.35	6.52	0
chr4	133308201	133310890	2690	1613	135	476.53	11.49	0
chr4	133312194	133313778	1585	1117	65	83.54	4.32	0.06
chr4	133368765	133370992	2228	1181	146	648.59	11.86	0
chr4	133443353	133444553	1201	709	51	110.76	5.98	0.06
chr4	133522690	133523627	938	511	35	92.95	7.19	0.07
chr4	133523873	133524804	932	609	41	136.73	6.66	0.08
chr4	133556374	133557179	806	406	35	73.74	7.77	0.13
chr4	133684437	133685839	1403	967	67	168.94	6.09	0.06
chr4	133842689	133844154	1466	687	74	240.69	8.94	0
chr4	134023888	134025289	1402	403	61	114.41	5.36	0.06
chr4	134052247	134053370	1124	621	55	75.67	4.16	0.13
chr4	134258836	134259782	947	549	37	90.51	6.88	0.07
chr4	134259794	134260893	1100	433	52	79.69	4.55	0.1
chr4	134322936	134324222	1287	888	49	127.67	8.54	0.07
chr4	134478719	134481091	2373	841	192	459.01	13.84	0
chr4	134484688	134485693	1006	485	37	70.18	6.8	0.16
chr4	134486174	134487492	1319	896	73	232.99	8.38	0
chr4	134828154	134829574	1421	610	87	245.04	9.02	0
chr4	134908472	134910217	1746	1270	86	228.33	7.36	0
chr4	134989164	134990357	1194	475	56	196.27	10.63	0
chr4	134995104	134995870	767	326	28	74.18	7.1	0.13
chr4	135411176	135412603	1428	792	76	247.17	10.52	0
chr4	135428990	135430853	1864	618	112	307.4	11.94	0
chr4	135476186	135477165	980	500	37	84.87	6.78	0.06
chr4	135501325	135502980	1656	1033	93	120.35	6.88	0.07
chr4	135518651	135519993	1343	853	68	200.31	8.86	0
chr4	135527950	135529004	1055	596	53	142.37	7.04	0.09
chr4	135542570	135543764	1195	577	59	180.52	10.11	0
chr4	135576261	135578103	1843	1314	79	142.31	6.66	0.09
chr4	135696192	135697216	1025	542	40	91.74	5.83	0.07
chr4	135699226	135703116	3891	598	241	501.69	9.1	0
chr4	135703262	135703987	726	195	29	80.68	5.96	0.1
chr4	135840983	135842460	1478	489	65	95.17	4.58	0.07
chr4	135866307	135867190	884	432	43	133.57	9.3	0.08
chr4	136433679	136435360	1682	670	82	233.22	7.46	0
chr4	136440324	136442857	2534	1742	175	350.02	7	0

chr4	136443107	136444421	1315	800	53	87.33	6.2	0.07
chr4	136445531	136449535	4005	3253	268	407.99	5.97	0
chr4	136452047	136453065	1019	608	43	78.73	4.65	0.12
chr4	136453299	136455167	1869	1364	88	208.39	6.68	0
chr4	136912302	136914099	1798	1296	91	223.4	9.78	0
chr4	137548602	137550660	2059	710	101	205.35	7.79	0
chr4	137860105	137861235	1131	580	51	72.07	5.56	0.15
chr4	138528282	138529842	1561	415	65	91.66	4.18	0.07
chr4	138748056	138750277	2222	548	108	260.95	9.39	0
chr4	138866065	138867361	1297	614	69	184.07	8.76	0
chr4	138907817	138908759	943	585	53	116.9	7.01	0.07
chr4	138935883	138936967	1085	576	50	92	7.8	0.07
chr4	139129708	139131149	1442	935	62	99.04	5.78	0.08
chr4	139178235	139179444	1210	686	55	82.49	4.7	0.11
chr4	140137048	140138162	1115	554	51	109.37	7.12	0.06
chr4	140516741	140518098	1358	645	71	106.3	5.55	0.06
chr4	140519868	140521199	1332	756	57	119.09	5.49	0.07
chr4	140538797	140539824	1028	746	44	93.38	5.42	0.07
chr4	140542379	140545057	2679	473	132	277.58	6.91	0
chr4	140633484	140634666	1183	794	53	109.84	6.47	0.06
chr4	140694426	140696212	1787	1228	98	277.96	9.5	0
chr4	140703237	140704226	990	484	36	98.87	9.52	0.08
chr4	141000060	141000685	626	431	22	70.02	6.26	0.16
chr4	141093333	141094095	763	264	28	70.7	4.68	0.16
chr4	141094510	141095459	950	491	37	79.33	5.52	0.1
chr4	141100865	141103440	2576	1280	161	492.6	8.76	0
chr4	141161246	141162362	1117	560	58	92.62	6.66	0.07
chr4	141219703	141220524	822	438	32	90.58	9.44	0.07
chr4	141277674	141279861	2188	1550	101	230.73	6.68	0
chr4	141346027	141347159	1133	860	56	146.66	5.98	0.09
chr4	141349057	141350220	1164	402	65	75.38	4.14	0.13
chr4	141412899	141414236	1338	693	67	166.27	6.41	0.06
chr4	141425072	141426099	1028	734	41	95.24	6.55	0.07
chr4	141426523	141428415	1893	972	113	242.09	6	0
chr4	141428701	141431380	2680	2109	154	353.95	8.96	0
chr4	142751320	142752526	1207	638	76	128.86	7.47	0.08
chr4	142802172	142803389	1218	448	58	182.75	7.75	0
chr4	143001947	143003438	1492	952	71	155.21	6.8	0.1
chr4	144480230	144485736	5507	2047	300	483.64	5.15	0
chr4	144835473	144837208	1736	1288	92	263.67	8.05	0
chr4	147278227	147279463	1237	708	69	225.5	9.25	0
chr4	147412201	147413673	1473	612	81	92.57	4.82	0.07
chr4	147461545	147462610	1066	524	44	105.89	6.93	0.06
chr4	147525476	147526497	1022	455	55	89.5	6.24	0.07

chr4	147818312	147819317	1006	543	39	87.85	6.93	0.07
chr4	147822115	147823109	995	510	39	73.69	5.06	0.13
chr4	147932106	147933332	1227	496	58	103.05	5.02	0.06
chr4	148000303	148001663	1361	438	68	116.39	4.96	0.07
chr4	148314315	148315923	1609	1253	87	158.95	5.62	0.11
chr4	148540144	148541607	1464	651	78	177.6	6.29	0.07
chr4	148681239	148682317	1079	544	48	88.99	5.09	0.07
chr4	148858838	148859848	1011	569	52	159.58	12.33	0.11
chr4	148891799	148892620	822	466	33	79.93	8.09	0.1
chr4	149076174	149077425	1252	758	49	122.73	7.2	0.07
chr4	149111847	149112723	877	441	29	73.62	9.1	0.13
chr4	149147775	149148737	963	486	45	101.01	6.8	0.08
chr4	149422129	149423040	912	451	37	78.93	5.28	0.1
chr4	149434489	149435395	907	484	32	75.01	5.54	0.13
chr4	149461069	149462336	1268	838	48	94.48	6.96	0.07
chr4	149610408	149611723	1316	634	68	129.17	7.01	0.08
chr4	149655003	149656263	1261	762	52	130.39	7.69	0.08
chr4	149939906	149940855	950	566	42	70.29	6.7	0.16
chr4	149942900	149945002	2103	509	100	251.69	6.99	0
chr4	150287556	150289233	1678	1232	74	112.39	5.54	0.06
chr4	150418294	150419271	978	478	36	81.77	5.26	0.1
chr4	150431328	150432723	1396	839	79	203.89	10.27	0
chr4	151235570	151237167	1598	1163	68	116.41	4.49	0.07
chr4	151362234	151363491	1258	845	51	110.47	6.62	0.06
chr4	151369702	151371307	1606	968	95	243.98	6.29	0
chr4	151382326	151383629	1304	625	63	121.01	6.07	0.07
chr4	151670795	151671960	1166	388	61	138.67	6.29	0.09
chr4	153330439	153331798	1360	840	71	123.33	5.56	0.07
chr4	153385582	153386230	649	373	23	76.37	6.52	0.12
chr4	154337825	154338970	1146	407	53	161.24	8.94	0.11
chr4	154440520	154441504	985	467	52	95.52	5.82	0.08
chr4	154596919	154598177	1259	550	115	572.42	24.51	0
chr4	154608702	154609726	1025	433	43	99.76	7.36	0.08
chr4	154623605	154624737	1133	522	67	193.36	9.06	0
chr4	154864782	154866361	1580	437	65	84.05	4.05	0.06
chr4	154936190	154938594	2405	446	129	172.2	5.03	0.07
chr4	154974920	154976264	1345	879	61	169	7.69	0.06
chr4	154998126	154999532	1407	819	121	250.43	9.17	0
chr4	155042839	155043845	1007	505	41	81.34	6.74	0.1
chr4	155078348	155079872	1525	910	105	191.55	7.69	0
chr4	155107998	155109423	1426	815	72	145.57	6.93	0.09
chr4	155177256	155178205	950	503	41	74.32	6.59	0.13
chr4	155185882	155187213	1332	515	89	199.41	7.61	0
chr4	155205215	155206323	1109	539	65	177.83	9.02	0.07

chr4	155243178	155244220	1043	580	42	104.88	8.09	0.06
chr4	155265409	155266724	1316	524	60	75.17	5.24	0.13
chr4	155317135	155318396	1262	594	61	154.1	7.74	0.1
chr4	155365776	155367901	2126	1352	106	228.33	8.44	0
chr4	155609416	155610850	1435	1238	90	192.38	5.64	0
chr5	3647427	3648186	760	444	26	87.66	7.57	0.07
chr5	4104203	4105065	863	316	38	120.52	6.74	0.07
chr5	5559002	5559845	844	552	43	114.29	8.43	0.06
chr5	8055954	8057595	1642	636	85	227.3	7.39	0
chr5	8422262	8423246	985	364	41	100.69	6.93	0.08
chr5	8996715	8997685	971	455	44	133.44	8.94	0.08
chr5	9160911	9162445	1535	1043	77	179.47	6.8	0
chr5	20207321	20208331	1011	443	45	118.72	8.09	0.07
chr5	20457283	20458259	977	543	40	75.58	6.47	0.13
chr5	20560137	20562491	2355	1840	103	385.88	8.66	0
chr5	21206938	21207964	1027	516	43	73.7	4.79	0.13
chr5	21290491	21291574	1084	547	51	178.12	11.42	0
chr5	22055593	22056620	1028	658	38	73.39	5.42	0.13
chr5	22923821	22924944	1124	464	56	205.22	11.9	0
chr5	22938147	22941848	3702	1886	262	809.34	10.57	0
chr5	23535968	23536911	944	523	41	79.5	5.91	0.1
chr5	23928926	23930092	1167	579	57	82.53	4.66	0.11
chr5	23930483	23931621	1139	638	43	78.99	5.21	0.1
chr5	23950398	23951640	1243	741	71	262.06	11.5	0
chr5	23957168	23958166	999	292	43	119.02	8.67	0.07
chr5	24082819	24084111	1293	517	76	150.12	7.36	0.1
chr5	24190192	24192076	1885	1206	86	195.65	7.39	0
chr5	24256319	24257300	982	456	35	100.45	9.05	0.08
chr5	24347611	24349230	1620	826	90	160.57	5.15	0.11
chr5	24605400	24607497	2098	1263	99	252.44	7.36	0
chr5	24728264	24729325	1062	431	55	187.93	10.65	0
chr5	25004841	25006063	1223	784	53	117.82	5.98	0.07
chr5	25034999	25036289	1291	769	55	92.78	6.27	0.07
chr5	28117496	28118766	1271	864	68	150.04	6.93	0.1
chr5	28397157	28399084	1928	762	104	177.61	5.69	0.07
chr5	28642922	28644537	1616	725	94	299.68	9.19	0
chr5	29704476	29705370	895	510	43	86.11	7.22	0.07
chr5	30062011	30062814	804	455	52	127.12	7.08	0.07
chr5	30481007	30482196	1190	625	63	160.19	10.03	0.11
chr5	30949795	30951016	1222	544	61	130.01	6.29	0.08
chr5	30952654	30954433	1780	515	87	132.43	5.56	0.08
chr5	30968397	30969534	1138	180	42	81.82	4.05	0.1
chr5	31189972	31192035	2064	994	123	273.7	9.98	0
chr5	31209631	31210529	899	433	40	76.3	5.99	0.12

chr5	31217667	31219159	1493	1050	62	116.85	5.64	0.07
chr5	31251741	31252887	1147	612	55	95.38	5.93	0.07
chr5	31262066	31263119	1054	535	51	111.99	8.4	0.06
chr5	31263518	31264459	942	522	38	80.06	5.63	0.1
chr5	31350055	31352126	2072	517	99	142.89	5.06	0.09
chr5	31456188	31457042	855	499	36	86.12	7.36	0.07
chr5	31481757	31483369	1613	678	73	166.54	7.04	0.06
chr5	31494991	31496172	1182	755	59	113.77	5.02	0.06
chr5	31503213	31505438	2226	1636	154	336.32	10.63	0
chr5	31522586	31523656	1071	562	47	85.58	6.89	0.07
chr5	31542701	31544364	1664	462	116	547.39	18.09	0
chr5	31592913	31594196	1284	563	74	113.23	5.32	0.06
chr5	31872956	31874030	1075	669	44	77.46	4.53	0.12
chr5	31999667	32001320	1654	1160	92	208.65	6.93	0
chr5	32437141	32440198	3058	1753	166	448.47	7.32	0
chr5	32760532	32762426	1895	574	98	112.37	4.77	0.06
chr5	33088602	33089690	1089	496	49	131.21	8.56	0.08
chr5	33196241	33197350	1110	580	56	142.72	7.75	0.09
chr5	33340025	33340716	692	497	31	71.33	6.92	0.15
chr5	33360709	33362180	1472	966	85	234.43	8.41	0
chr5	33362488	33363583	1096	724	39	84.09	5.69	0.06
chr5	33677540	33678618	1079	407	54	95.38	6.26	0.08
chr5	33720550	33721877	1328	707	71	121.96	5.88	0.07
chr5	33971273	33972905	1633	955	92	184.1	6.26	0
chr5	33994349	33995773	1425	554	71	156.65	7.78	0.11
chr5	34000076	34001737	1662	572	87	127.58	5.09	0.07
chr5	34278273	34279713	1441	864	94	186.97	7.42	0
chr5	34511776	34512705	930	467	36	76.87	5.52	0.12
chr5	34513000	34514184	1185	483	44	116.55	6.93	0.07
chr5	34529644	34531268	1625	694	86	180.26	6.86	0
chr5	34584928	34586267	1340	660	58	83.85	4.32	0.06
chr5	34678172	34680050	1879	657	103	196.13	6.79	0
chr5	34711608	34712681	1074	670	48	80.01	5.02	0.1
chr5	34855807	34857243	1437	811	67	91.32	4.41	0.07
chr5	34868113	34870004	1892	377	90	228.21	6.62	0
chr5	34876357	34878841	2485	1370	118	175.61	5.22	0.07
chr5	34885534	34887303	1770	566	82	159.31	8.59	0.11
chr5	34915746	34916974	1229	465	58	159.73	7.32	0.11
chr5	35002194	35003664	1471	726	78	101.8	5.11	0.05
chr5	35103851	35104708	858	482	43	124.18	6.99	0.07
chr5	35924939	35926347	1409	844	60	119.83	5.36	0.07
chr5	36924344	36925314	971	489	50	103.03	4.74	0.06
chr5	37051928	37052534	607	319	23	87.51	9.32	0.07
chr5	37102814	37103849	1036	393	36	85.18	5.26	0.07

chr5	37139392	37140245	854	516	44	101.86	8.99	0.05
chr5	37379649	37380687	1039	494	43	81.64	6.47	0.1
chr5	38430118	38431135	1018	428	41	85.17	4.57	0.07
chr5	38611108	38612053	946	655	47	108.07	5.91	0.06
chr5	38651163	38652227	1065	534	54	139.01	9.1	0.09
chr5	38951972	38953447	1476	809	72	162.6	6.47	0.12
chr5	42235159	42235952	794	495	32	122.97	11.65	0.07
chr5	43623421	43626030	2610	1120	194	670.56	16.83	0
chr5	44172844	44174084	1241	809	48	145.37	8.54	0.09
chr5	45841045	45842101	1057	574	47	97.88	5.5	0.08
chr5	45911163	45912051	889	459	37	77.05	8.43	0.12
chr5	46248317	46249352	1036	512	45	86.02	5.6	0.07
chr5	48763093	48764133	1041	515	42	112.01	9.37	0.06
chr5	52581331	52582286	956	619	40	126.91	7.14	0.07
chr5	53174194	53174944	751	315	30	112.92	11.97	0.06
chr5	53224707	53225881	1175	718	53	124.32	7.74	0.07
chr5	53981120	53982100	981	483	40	90.25	6.99	0.07
chr5	64727878	64729577	1700	360	70	135.78	5.5	0.08
chr5	64769937	64771021	1085	684	42	72.09	4.21	0.15
chr5	65193589	65195681	2093	523	98	266.26	10.52	0
chr5	65275163	65276001	839	547	37	84.27	6.45	0.06
chr5	65350554	65351514	961	451	36	83.71	6.47	0.06
chr5	65498340	65499625	1286	524	61	220.55	11.91	0
chr5	65726371	65727378	1008	485	37	89.22	6.81	0.07
chr5	65781795	65783267	1473	980	118	315.62	15.03	0
chr5	65826512	65827778	1267	784	57	167.01	7.66	0.06
chr5	65883101	65884784	1684	936	88	193.26	6.59	0
chr5	65927808	65929338	1531	729	73	266.71	10.62	0
chr5	66088712	66090464	1753	198	68	188	6.19	0
chr5	66115422	66116873	1452	693	63	198.75	7.61	0
chr5	66154745	66156306	1562	517	57	161.26	7.9	0.11
chr5	66540020	66541105	1086	188	40	83.6	4.62	0.06
chr5	66541233	66543673	2441	1760	125	260.48	8.39	0
chr5	67697691	67698774	1084	560	49	74.1	5.48	0.13
chr5	68206403	68207208	806	295	30	85.94	6.99	0.07
chr5	68238198	68239344	1147	597	48	76	4.62	0.14
chr5	69947638	69948713	1076	543	61	204.63	11.94	0
chr5	72558817	72559821	1005	516	50	181.66	13.09	0
chr5	72594007	72595039	1033	508	38	112.6	9.61	0.06
chr5	73259258	73260119	862	468	39	76.59	5.09	0.12
chr5	73304740	73306662	1923	957	108	298.03	9.1	0
chr5	73647169	73647834	666	316	24	70.2	6.22	0.16
chr5	73683634	73684525	892	497	49	116.06	6.65	0.07
chr5	74464141	74465075	935	458	36	86.78	6.07	0.07

chr5	74927336	74928217	882	442	45	92.83	7.25	0.07
chr5	75439767	75441070	1304	699	62	207.87	8.73	0
chr5	76569011	76570177	1167	562	57	166.81	8.9	0.06
chr5	76732684	76733421	738	427	24	70.99	7.5	0.16
chr5	76733568	76734681	1114	715	42	110.16	5.84	0.06
chr5	76957981	76958949	969	636	36	94.07	5.81	0.07
chr5	77334004	77335722	1719	559	139	399.62	17.16	0
chr5	77379890	77381260	1371	354	68	121.23	4.85	0.07
chr5	77403544	77404548	1005	478	42	103.34	8.86	0.06
chr5	77694426	77696194	1769	390	64	176.73	8.35	0.07
chr5	77738793	77739985	1193	733	50	78.86	4.33	0.12
chr5	86601192	86602429	1238	515	47	81.99	5.39	0.1
chr5	87232872	87234158	1287	487	60	92.89	6.26	0.07
chr5	88982742	88983969	1228	586	68	244.29	10.22	0
chr5	88993403	88994586	1184	459	45	141.31	7.88	0.09
chr5	89104752	89105732	981	402	45	161.68	8.93	0.11
chr5	89149332	89151044	1713	578	76	110.87	5.39	0.06
chr5	89193388	89194772	1385	897	54	79.04	5.39	0.1
chr5	90795016	90796344	1329	562	89	431.35	16.18	0
chr5	91128927	91129776	850	397	30	77.32	5.91	0.12
chr5	92391054	92392646	1593	504	87	144.3	4.52	0.09
chr5	92511672	92513287	1616	519	75	166.72	5.73	0.06
chr5	92566341	92567534	1194	619	62	132.48	7.8	0.08
chr5	92934208	92935359	1152	454	56	129.08	5.83	0.08
chr5	93695786	93697829	2044	891	106	239.37	8.4	0
chr5	96591128	96592079	952	491	36	84.76	6.07	0.06
chr5	96638512	96639724	1213	545	62	105.74	7.08	0.06
chr5	98459199	98460392	1194	976	42	114.01	6.66	0.06
chr5	99679582	99680975	1394	520	51	75.68	4.36	0.13
chr5	99681099	99682553	1455	989	76	196.72	10.45	0
chr5	100467032	100469665	2634	918	145	285.51	6.47	0
chr5	100844728	100845731	1004	488	49	98.56	5.49	0.08
chr5	100857761	100859310	1550	1021	93	130.18	5.92	0.08
chr5	100927070	100927980	911	396	32	96.23	7.36	0.08
chr5	102498435	102500195	1761	494	92	310.31	10.79	0
chr5	102910492	102911549	1058	858	38	88.57	6.11	0.07
chr5	104120777	104121983	1207	521	57	81.41	5.64	0.1
chr5	104182439	104183760	1322	878	64	218.03	7.81	0
chr5	104450389	104451519	1131	474	48	133.82	7.66	0.08
chr5	104475305	104476376	1072	583	49	132.18	9.63	0.08
chr5	105947552	105948852	1301	902	51	128.26	5.54	0.08
chr5	106128250	106129998	1749	732	73	215.42	8.47	0
chr5	106304945	106306099	1155	667	47	133.19	8.54	0.08
chr5	107124600	107125976	1377	399	54	140.52	5.28	0.09

chr5	108026648	108027441	794	367	29	101.91	8.09	0.05
chr5	108297331	108298661	1331	760	58	153.93	8.09	0.1
chr5	108494095	108495209	1115	659	65	134.75	7.84	0.08
chr5	108560916	108562164	1249	690	51	92.48	5.83	0.07
chr5	108741152	108742273	1122	589	88	440.07	17.08	0
chr5	108862709	108863905	1197	838	50	100.08	5.39	0.08
chr5	109058130	109059262	1133	473	56	112.8	5.78	0.06
chr5	109089223	109090064	842	340	31	77.16	6.29	0.12
chr5	109097818	109098836	1019	505	47	78.29	5.93	0.12
chr5	109985030	109987257	2228	1695	100	72.27	3.35	0.15
chr5	110536281	110537999	1719	519	86	168.77	5.2	0.06
chr5	110538786	110539680	895	319	36	92.31	5.29	0.07
chr5	110564109	110565423	1315	794	53	106.34	5.28	0.06
chr5	110605271	110606408	1138	656	47	119.45	6.47	0.07
chr5	110659453	110660633	1181	479	53	78.15	4.7	0.12
chr5	110698531	110699267	737	353	28	73.8	5.96	0.13
chr5	111081877	111082998	1122	533	59	111.28	7.83	0.06
chr5	111198823	111200396	1574	788	84	190.54	7.19	0
chr5	111236884	111238001	1118	541	58	102.17	6.07	0.05
chr5	111238698	111239553	856	336	39	107.13	9.2	0.06
chr5	111759337	111760439	1103	444	52	75.1	5.15	0.13
chr5	112694283	112695875	1593	476	60	79.21	4.62	0.1
chr5	112705060	112706721	1662	555	92	81.35	4.48	0.1
chr5	112754787	112755986	1200	622	78	247.09	11.65	0
chr5	112771546	112772632	1087	545	78	167.19	10.22	0.06
chr5	114185102	114186503	1402	806	83	196.7	7.81	0
chr5	114221043	114223117	2075	791	122	292.46	10.69	0
chr5	114357536	114359326	1791	578	87	214.68	8.09	0
chr5	114394756	114396108	1353	724	71	137.43	5.39	0.08
chr5	114829931	114831437	1507	968	72	231.7	8.89	0
chr5	115117057	115118222	1166	635	57	96.24	6.52	0.08
chr5	115139843	115141438	1596	1045	69	148.63	7.39	0.1
chr5	115148912	115149665	754	450	34	80.12	7.08	0.1
chr5	115224095	115225389	1295	718	57	114.13	5.5	0.06
chr5	115391880	115392766	887	380	33	88.11	7.19	0.07
chr5	115460596	115461534	939	408	38	118.54	10.59	0.07
chr5	115607643	115608984	1342	728	67	134.22	5.49	0.08
chr5	115722475	115723423	949	397	44	153.61	9.04	0.1
chr5	115776486	115777541	1056	508	55	153.62	10.55	0.1
chr5	115790504	115791746	1243	722	79	197.12	10.25	0
chr5	115939061	115940645	1585	931	77	124.08	6	0.07
chr5	115956202	115957293	1092	521	51	85.64	5.93	0.07
chr5	116008966	116010158	1193	594	66	139	8.63	0.09
chr5	116081465	116082290	826	315	45	148.96	11.17	0.1

chr5	117565306	117566666	1361	851	58	110.45	7.77	0.06
chr5	117569427	117570541	1115	436	53	77.45	4.9	0.12
chr5	118605039	118605892	854	444	27	76.27	7.55	0.12
chr5	119010639	119011461	823	267	31	91.27	6.7	0.07
chr5	120960708	120961767	1060	534	43	101.48	8.09	0.08
chr5	121008490	121009540	1051	444	44	114.64	6.88	0.06
chr5	121009944	121010939	996	500	38	89.78	8.09	0.07
chr5	121038089	121039243	1155	518	59	144.31	8.09	0.09
chr5	121641002	121641934	933	550	43	141.09	10.79	0.09
chr5	121654114	121655219	1106	495	57	164.99	7.72	0.06
chr5	121847344	121848449	1106	659	53	157.57	6.84	0.11
chr5	121901285	121903285	2001	1067	128	164.61	7.73	0.06
chr5	121995051	121996580	1530	872	76	194.85	9.5	0
chr5	122033927	122034864	938	477	34	81.73	6.39	0.1
chr5	122110007	122110879	873	423	38	119.04	8.54	0.07
chr5	122160733	122161838	1106	669	42	137.5	10.86	0.09
chr5	122285210	122288077	2868	1704	179	597.55	12.14	0
chr5	122298620	122299601	982	198	44	124.32	6.88	0.07
chr5	122607485	122608544	1060	651	48	135.94	8.09	0.08
chr5	122734092	122734978	887	420	34	93.66	7.19	0.07
chr5	122803831	122805249	1419	876	69	192.32	7.27	0
chr5	122841400	122842540	1141	566	58	193.57	12.35	0
chr5	122846121	122847566	1446	968	59	150.65	7.55	0.1
chr5	122951137	122952690	1554	487	61	146.27	5.66	0.09
chr5	123156969	123158639	1671	724	88	95.53	4.14	0.08
chr5	123228480	123230145	1666	556	62	153.11	8.09	0.1
chr5	123299193	123300762	1570	1042	78	222.54	12.71	0
chr5	123438288	123439699	1412	977	70	261.65	9.93	0
chr5	123464561	123465887	1327	510	71	172.22	7.78	0.07
chr5	123525837	123526936	1100	521	47	110.42	7.72	0.06
chr5	123585460	123587132	1673	475	72	174.58	6.58	0.07
chr5	123588328	123590402	2075	1042	123	434.97	10.52	0
chr5	123590528	123592699	2172	576	145	578.11	10.27	0
chr5	123599623	123600466	844	197	37	73.98	4.98	0.13
chr5	123678006	123678791	786	328	33	122.09	10.25	0.07
chr5	123844094	123845781	1688	708	73	79.61	4.28	0.1
chr5	123973591	123974971	1381	566	67	103.69	5.82	0.06
chr5	124170284	124171483	1200	777	49	122.17	5.26	0.07
chr5	124198700	124199819	1120	653	68	211.22	6.41	0
chr5	124356768	124357706	939	631	41	84.85	4.85	0.06
chr5	124380175	124381364	1190	552	72	267.1	12.54	0
chr5	124565643	124566689	1047	473	47	106.19	10.2	0.06
chr5	124777158	124778189	1032	552	46	72.61	4.58	0.15
chr5	124875369	124876485	1117	811	53	132.71	5.63	0.08

chr5	124925253	124926306	1054	524	43	75.11	4.36	0.13
chr5	124932697	124934261	1565	763	100	488.88	18.88	0
chr5	125028619	125029699	1081	481	97	241.06	13.29	0
chr5	125342424	125343645	1222	668	51	179.07	8.63	0
chr5	125659398	125660920	1523	536	73	189.81	7.36	0
chr5	125862363	125866728	4366	778	201	289.85	4.32	0
chr5	125868432	125870942	2511	1622	285	1265.87	16.74	0
chr5	125871328	125874403	3076	2096	170	267.98	5.62	0
chr5	125884165	125887043	2879	2316	171	493.16	12.14	0
chr5	125945873	125946800	928	513	38	118.53	8.09	0.07
chr5	128095723	128096919	1197	440	54	106.53	5.6	0.06
chr5	128097192	128098142	951	488	40	110.04	7.51	0.06
chr5	129525379	129526456	1078	663	42	88.34	4.78	0.07
chr5	130006557	130007767	1211	438	52	70.96	4.44	0.16
chr5	130221109	130221946	838	357	34	93.42	9.75	0.07
chr5	130230329	130231627	1299	561	62	137.92	7.44	0.09
chr5	130292399	130293777	1379	609	62	150.93	6.99	0.1
chr5	130322391	130323380	990	488	36	123.36	11.65	0.07
chr5	130362439	130363848	1410	984	62	175.64	9.37	0.07
chr5	130416637	130418029	1393	1116	56	80.69	4.91	0.1
chr5	130477948	130479356	1409	934	72	93.06	5.25	0.07
chr5	130504756	130505813	1058	658	44	120.98	8.52	0.07
chr5	130555021	130555978	958	319	53	175.46	9.63	0.07
chr5	130647034	130648535	1502	418	58	129.73	6.99	0.08
chr5	130697494	130698987	1494	575	64	121.43	6.47	0.07
chr5	130729954	130731779	1826	1500	86	133.88	5.74	0.08
chr5	134575035	134575948	914	492	32	85.48	7.61	0.07
chr5	134659700	134660844	1145	413	55	106.44	5.2	0.06
chr5	134704373	134705877	1505	1010	68	153.1	7.99	0.1
chr5	134789042	134791477	2436	950	116	194.73	6.14	0
chr5	135028079	135028927	849	465	30	81.88	7.14	0.1
chr5	135089675	135091319	1645	665	70	79.09	4.41	0.1
chr5	135114412	135115709	1298	692	61	176.11	8.09	0.07
chr5	135484544	135486262	1719	689	80	94.56	4.16	0.07
chr5	135539486	135540552	1067	492	76	209.99	11.74	0
chr5	135624546	135626117	1572	772	82	133.18	4.66	0.08
chr5	135643698	135645242	1545	950	89	146.36	5.39	0.09
chr5	135662173	135663902	1730	500	92	168.73	6	0.06
chr5	136164604	136165629	1026	408	57	101.89	7.85	0.05
chr5	136219690	136220669	980	469	42	94.78	5.63	0.07
chr5	136409533	136411473	1941	1416	88	147.74	5.2	0.1
chr5	136437608	136439318	1711	1049	96	173.01	5.39	0.07
chr5	136674332	136675329	998	525	57	121.81	7.31	0.07
chr5	137042364	137044220	1857	471	79	164.26	4.92	0.06

chr5	137428563	137429449	887	397	36	72.63	6.74	0.15
chr5	137437693	137438995	1303	346	65	111.56	5.22	0.06
chr5	137462352	137463704	1353	465	59	76.48	3.54	0.12
chr5	137591377	137592565	1189	774	50	89.53	5.91	0.07
chr5	137735177	137736293	1117	508	60	172.26	7.04	0.07
chr5	137748137	137749578	1442	830	69	122.43	5.86	0.07
chr5	137774270	137775250	981	491	37	70.99	7.39	0.16
chr5	137942685	137944595	1911	1127	108	108.82	3.96	0.06
chr5	137971765	137973393	1629	562	60	139.51	8.37	0.09
chr5	137973807	137975572	1766	762	116	276.73	8.61	0
chr5	138041349	138042993	1645	609	95	272.81	7.42	0
chr5	138069006	138070998	1993	1433	117	232.2	9.07	0
chr5	138071105	138072990	1886	1403	95	115.39	5.25	0.06
chr5	138125464	138126532	1069	447	54	96.8	6.52	0.08
chr5	138186558	138188729	2172	535	115	223.17	6.7	0
chr5	138226711	138229559	2849	1140	174	430.73	8.67	0
chr5	138557682	138558766	1085	671	45	130.97	7.64	0.08
chr5	138601741	138602793	1053	561	54	94.27	7.33	0.07
chr5	138611846	138612846	1001	432	49	93.98	6.97	0.07
chr5	138627860	138629447	1588	534	63	92.6	5.84	0.07
chr5	138635454	138637154	1701	740	73	128.82	5.91	0.08
chr5	138696460	138699496	3037	625	141	106.76	3.35	0.06
chr5	138704553	138705891	1339	483	68	167.12	6.93	0.06
chr5	139229623	139232604	2982	1421	145	276.23	7.8	0
chr5	139471435	139472410	976	438	37	96.11	7	0.08
chr5	139473523	139474711	1189	706	49	102.55	5.98	0.06
chr5	139625652	139626633	982	480	41	74.86	5.6	0.13
chr5	139675961	139677212	1252	722	61	155.64	8.09	0.11
chr5	139727580	139730016	2437	988	101	156.18	4.55	0.11
chr5	139800610	139801431	822	418	42	118.16	7.04	0.07
chr5	139846822	139848581	1760	1258	113	245.61	6.37	0
chr5	139856009	139857553	1545	623	79	161.27	5.78	0.11
chr5	139959718	139961113	1396	806	94	167.06	7.48	0.06
chr5	140797197	140798008	812	440	29	92.74	8.63	0.07
chr5	140812314	140813153	840	266	31	76.92	5.51	0.12
chr5	140893849	140895866	2018	805	112	195.99	5.64	0
chr5	141082869	141085148	2280	530	127	327.49	9.06	0
chr5	141085224	141086161	938	464	44	121.18	7.18	0.07
chr5	141086426	141087505	1080	634	43	102.85	5.95	0.06
chr5	141092314	141094620	2307	1762	147	325.04	7.33	0
chr5	141094911	141096037	1127	602	46	70.73	5.39	0.16
chr5	141177609	141178560	952	515	44	118.4	7.9	0.07
chr5	141180143	141181505	1363	838	87	101.76	4.38	0.05
chr5	141240440	141241785	1346	518	68	124.78	4.85	0.07

chr5	142939351	142940546	1196	425	70	138.51	6.62	0.09
chr5	143529456	143530124	669	321	22	72.7	6.93	0.15
chr5	143576054	143585521	9468	3813	707	2534.99	14.54	0
chr5	143662927	143665019	2093	1313	135	129.09	3.58	0.08
chr5	143666287	143669154	2868	1409	264	798.52	11.24	0
chr5	143690464	143691554	1091	488	55	98.04	6.52	0.08
chr5	143693539	143694595	1057	581	44	100.72	5.52	0.08
chr5	143874041	143875101	1061	574	58	162.27	9.78	0.11
chr5	144031532	144032240	709	232	39	126.2	10.3	0.07
chr5	144090240	144091324	1085	671	55	224.7	13.66	0
chr5	144165212	144165791	580	355	23	74.83	8.09	0.13
chr5	144224761	144226155	1395	724	71	229.12	10.45	0
chr5	144287275	144289574	2300	1729	118	289.99	7.08	0
chr5	144775090	144776099	1010	526	44	127.67	7.24	0.07
chr5	144982268	144982972	705	362	25	72.22	6.3	0.15
chr5	145015603	145017566	1964	1425	102	208.62	5.78	0
chr5	145874539	145876446	1908	667	111	199.77	7.61	0
chr5	145876852	145878129	1278	742	56	153.8	6.6	0.1
chr5	145900467	145901971	1505	716	97	264.16	10.4	0
chr5	145927621	145928460	840	289	41	98.75	7.44	0.08
chr5	145961892	145963009	1118	825	44	99.42	7.32	0.08
chr5	145964539	145965790	1252	367	47	80.52	4.38	0.1
chr5	145992046	145992980	935	442	46	104.68	5.91	0.06
chr5	146041062	146041832	771	388	27	74.24	6.19	0.13
chr5	147032349	147033347	999	589	54	192.85	11.07	0
chr5	147072318	147073377	1060	298	127	112.46	5.02	0.06
chr5	147644087	147645336	1250	449	82	115.52	5.75	0.06
chr5	147759615	147760730	1116	619	51	97.68	6.59	0.08
chr5	147887518	147888557	1040	587	48	99.4	7.16	0.08
chr5	148241139	148242928	1790	753	90	272.38	9.3	0
chr5	148705813	148707185	1373	553	71	134.42	5.93	0.08
chr5	149363424	149364699	1276	930	62	179.55	7.28	0
chr5	149862851	149863929	1079	551	60	286.9	16.89	0
chr5	149864212	149864976	765	235	29	99.9	7.57	0.08
chr5	149994760	149996400	1641	1005	85	166.89	7.53	0.06
chr5	150040098	150041344	1247	457	62	145.68	8.74	0.09
chr5	150076361	150077369	1009	494	41	91.74	6.99	0.07
chr5	150078265	150079630	1366	576	61	82.32	4.8	0.11
chr5	151324422	151325562	1141	724	55	125.61	7.44	0.07
chr5	151395830	151396823	994	198	36	86.85	4.3	0.07
chr5	151467797	151468648	852	387	35	76.67	5.28	0.12
chr5	152170475	152172072	1598	383	71	140.71	5.18	0.09
chr5	152453270	152454186	917	461	34	103.16	7.59	0.06
chr6	4550369	4551278	910	410	33	74.53	7.28	0.13

chr6	6527520	6528960	1441	926	66	161.61	6.92	0.11
chr6	8158860	8159882	1023	509	45	180.62	13.98	0
chr6	8208581	8209861	1281	534	54	108.46	5.39	0.06
chr6	8459074	8460033	960	394	51	189.64	10.34	0
chr6	11857169	11858104	936	196	47	99.04	4.62	0.08
chr6	11875512	11876635	1124	399	46	172.38	10.49	0.07
chr6	13019330	13020392	1063	528	49	95.59	6.59	0.08
chr6	13557463	13558481	1019	560	45	179.97	12.14	0
chr6	13820736	13822664	1929	1582	93	326.87	9.75	0
chr6	15677396	15678784	1389	937	54	109.42	5.15	0.06
chr6	17230890	17231939	1050	368	41	112.51	5.84	0.06
chr6	17586556	17588052	1497	515	61	188.68	8.93	0
chr6	18798064	18798989	926	427	38	95.4	7.49	0.08
chr6	21898986	21900386	1401	394	66	104.52	5.27	0.06
chr6	24614509	24615715	1207	559	53	100.65	5.29	0.08
chr6	28211490	28212707	1218	509	50	97.54	5.39	0.08
chr6	28373103	28374404	1302	719	60	168.63	7.65	0.06
chr6	29476030	29479755	3726	765	205	475.45	8.14	0
chr6	29486479	29487307	829	428	34	70.34	5.06	0.16
chr6	29488727	29489785	1059	304	37	88.6	4.68	0.07
chr6	29997211	29998550	1340	642	79	362.54	14.9	0
chr6	30254373	30254929	557	215	24	79.62	8.09	0.1
chr6	30459172	30460343	1172	505	60	201.15	9.79	0
chr6	30846512	30847363	852	361	38	156.99	12.82	0.11
chr6	31075661	31077608	1948	1452	81	178.21	6.38	0
chr6	31169795	31170853	1059	505	42	90.57	5.88	0.07
chr6	31348486	31349264	779	318	29	90.47	8.09	0.07
chr6	34730092	34731340	1249	434	52	123.99	8.09	0.07
chr6	34812581	34813666	1086	544	47	132.73	9.69	0.08
chr6	34827516	34828653	1138	476	62	116.91	7.08	0.07
chr6	34857533	34858569	1037	374	39	78.87	5.15	0.12
chr6	34860045	34861209	1165	477	61	132.1	5.78	0.08
chr6	35083333	35084316	984	482	41	74.62	5.29	0.13
chr6	35127182	35127945	764	321	36	116.64	10.65	0.07
chr6	35202255	35203427	1173	572	64	104.44	6.01	0.06
chr6	38303754	38305144	1391	736	76	218.27	8.79	0
chr6	38382991	38384174	1184	680	75	100.02	5.03	0.08
chr6	38482728	38484448	1721	1167	109	282.99	9.82	0
chr6	38500489	38502114	1626	711	87	178.77	5.58	0
chr6	38825036	38826036	1001	233	36	86.07	4.73	0.07
chr6	38868399	38869501	1103	543	47	131.95	6.81	0.08
chr6	39067397	39068752	1356	792	56	102.06	4.85	0.05
chr6	39155030	39156847	1818	1179	95	293.29	7.95	0
chr6	39369580	39370716	1137	526	58	194.27	8.94	0

chr6	39542033	39543247	1215	458	63	104.38	6.37	0.06
chr6	39674756	39676089	1334	820	67	195.8	12.71	0
chr6	40420908	40422043	1136	596	53	104.17	6.29	0.06
chr6	42214445	42215601	1157	876	43	90.04	4.62	0.07
chr6	42299121	42300791	1671	953	98	260.31	8.09	0
chr6	47403478	47404948	1471	913	71	268.71	11.38	0
chr6	47600368	47601680	1313	496	69	109.98	5.95	0.06
chr6	47731027	47731895	869	454	31	106.24	10.49	0.06
chr6	47737755	47738933	1179	717	51	100.94	5.5	0.08
chr6	47762772	47764078	1307	937	62	94.41	4.7	0.07
chr6	47785364	47786227	864	309	41	105.89	7.39	0.06
chr6	48393698	48395198	1501	311	56	94.87	5.63	0.07
chr6	48395238	48396322	1085	327	39	97.36	5.84	0.08
chr6	48504253	48505619	1367	511	71	157.47	6.89	0.11
chr6	48543346	48544426	1081	517	48	132.87	8.09	0.08
chr6	48962082	48963515	1434	872	57	104.07	4.72	0.06
chr6	48985534	48990920	5387	1269	366	891.81	10.96	0
chr6	48997638	48999871	2234	909	89	217.23	6.39	0
chr6	49000846	49002648	1803	1065	72	151.69	5.63	0.1
chr6	49003306	49004298	993	584	40	129.15	7.54	0.08
chr6	49007088	49007758	671	194	24	70.07	5.78	0.16
chr6	49010344	49012756	2413	580	123	357.2	7.03	0
chr6	49013742	49014644	903	451	33	70.43	5.78	0.16
chr6	49023397	49024875	1479	424	70	241.21	11.49	0
chr6	51123934	51124904	971	468	36	113.8	9.52	0.06
chr6	51407298	51408325	1028	642	38	101.97	6.01	0.05
chr6	51418081	51420377	2297	1742	151	239.18	8.88	0
chr6	51420490	51421529	1040	506	43	138.81	8.39	0.09
chr6	51961627	51963196	1570	1021	87	190.95	7.06	0
chr6	52141661	52142587	927	390	42	172.97	13.29	0.07
chr6	52663328	52664714	1387	1009	60	162.54	6.23	0.12
chr6	54766031	54767147	1117	638	51	109.09	6.47	0.06
chr6	54767205	54768229	1025	469	54	204.72	9.76	0
chr6	54987087	54988535	1449	949	64	112.99	5.99	0.06
chr6	56654299	56655002	704	322	26	76.55	6.66	0.12
chr6	56664274	56665169	896	566	34	76.05	4.62	0.12
chr6	56747202	56748392	1191	459	57	212.71	9.61	0
chr6	56873356	56874305	950	450	37	79.33	5.52	0.1
chr6	57530725	57531636	912	386	32	85.71	6.19	0.07
chr6	58781192	58782007	816	358	28	92.82	10.98	0.07
chr6	64992213	64993154	942	385	36	91.1	7.62	0.07
chr6	66846238	66847136	899	514	35	101.68	7.9	0.08
chr6	70741659	70742750	1092	587	56	125.06	6.59	0.07
chr6	70793507	70795310	1804	528	88	165.91	5.2	0.06

chr6	71220019	71222434	2416	1897	122	320.67	7.6	0
chr6	71389726	71391703	1978	1351	118	210.15	6.24	0
chr6	71443396	71445099	1704	544	102	413.48	19.76	0
chr6	71493632	71494880	1249	438	70	163.98	5.49	0.06
chr6	71582439	71583906	1468	600	66	100.29	4.85	0.08
chr6	71780738	71782331	1594	453	92	264.53	7.08	0
chr6	72304981	72305982	1002	529	41	124.21	9.82	0.07
chr6	72311895	72312806	912	622	37	89.22	5.78	0.07
chr6	72339076	72340910	1835	1064	93	228.36	6.07	0
chr6	72388474	72390883	2410	1152	141	229.52	5.84	0
chr6	72462292	72463312	1021	492	49	82.02	6.26	0.1
chr6	72498585	72501153	2569	556	158	375.5	8.31	0
chr6	72501987	72503367	1381	885	67	166.74	7.67	0.06
chr6	72907628	72908831	1204	739	45	88.21	6.25	0.07
chr6	73160413	73161305	893	351	33	93.53	6.19	0.07
chr6	73198151	73199248	1098	689	45	83.58	5.5	0.06
chr6	82602139	82603498	1360	648	66	175.7	6.99	0.07
chr6	82982883	82983968	1086	506	58	183.54	9.25	0
chr6	83003448	83005234	1787	1104	75	87.16	5.09	0.07
chr6	83027481	83028922	1442	1242	67	76.35	3.37	0.12
chr6	83037120	83037883	764	408	25	71.74	7.83	0.15
chr6	83065024	83065964	941	383	47	76.28	7.36	0.12
chr6	83070978	83072057	1080	670	61	88.15	5.19	0.07
chr6	83115395	83116366	972	379	48	160.79	10.38	0.11
chr6	83275549	83276551	1003	473	42	103.6	8.48	0.06
chr6	83298778	83299961	1184	699	55	212.62	11.33	0
chr6	83391189	83392252	1064	536	42	95.9	8.09	0.08
chr6	83405312	83407709	2398	1585	166	642.64	10.02	0
chr6	83456298	83457438	1141	637	60	102.36	5.88	0.05
chr6	83725489	83726252	764	220	35	75.24	6.53	0.13
chr6	83744646	83746087	1442	579	74	101.23	5.62	0.08
chr6	83864123	83865245	1123	329	52	101.31	5.99	0.08
chr6	85087305	85088152	848	448	44	191.15	13.48	0
chr6	85282339	85284017	1679	1107	87	162.04	7.01	0.11
chr6	85323775	85325288	1514	1014	61	92.96	3.9	0.07
chr6	85865314	85865971	658	295	23	80.26	8.67	0.1
chr6	86353454	86354989	1536	419	88	263.99	8.79	0
chr6	86387969	86389310	1342	652	83	208.07	8.37	0
chr6	86436892	86438392	1501	739	77	122.39	4.9	0.07
chr6	86475156	86478196	3041	1606	233	573.52	8.55	0
chr6	86534611	86535910	1300	676	56	90.98	4.62	0.07
chr6	86618875	86619830	956	521	41	92.93	5.28	0.07
chr6	86634083	86635034	952	406	45	108.27	8.09	0.06
chr6	86798692	86800014	1323	660	58	115.22	6.47	0.06

chr6	86959399	86960597	1199	464	57	73.82	4.39	0.13
chr6	87490739	87492738	2000	1472	83	89.93	3.43	0.07
chr6	87621505	87622699	1195	414	51	77.87	5.3	0.12
chr6	87760545	87762341	1797	1202	89	124.09	6.19	0.07
chr6	87788082	87789435	1354	859	75	111.99	5.03	0.06
chr6	87800075	87801734	1660	877	95	234.05	7.49	0
chr6	87994584	87995656	1073	590	50	116.54	7.75	0.07
chr6	88468400	88469464	1065	616	58	127.03	6.97	0.07
chr6	88791440	88793164	1725	578	78	110.63	4.18	0.06
chr6	88851678	88855025	3348	632	136	181.04	5.78	0
chr6	89206568	89208995	2428	1637	111	225	6.55	0
chr6	90319140	90320120	981	501	37	92.37	8.09	0.07
chr6	91390466	91391470	1005	425	63	145.81	8.87	0.09
chr6	91422793	91424367	1575	782	87	104.52	4.34	0.06
chr6	91465303	91466697	1395	498	62	166.73	8.06	0.06
chr6	91628416	91629481	1066	345	39	106.71	6.66	0.06
chr6	91633428	91635562	2135	759	123	205.18	5.53	0
chr6	91827536	91828672	1137	620	48	92.38	5.5	0.07
chr6	92040951	92042641	1691	1183	77	176.29	6.33	0.07
chr6	94449910	94450836	927	542	39	92.08	5.15	0.07
chr6	97128460	97129483	1024	436	38	99.07	6.74	0.08
chr6	97160855	97162332	1478	1278	56	113.41	4.78	0.06
chr6	97756472	97757320	849	449	32	89.3	8.24	0.07
chr6	97770003	97771114	1112	439	41	94.59	4.78	0.07
chr6	99471209	99473631	2423	1920	115	385.92	8.61	0
chr6	103598888	103599762	875	213	132	73.17	5.28	0.13
chr6	106718578	106719681	1104	576	67	174.36	9.54	0.07
chr6	108014743	108015752	1010	568	41	110.49	8.09	0.06
chr6	108135009	108135852	844	445	38	109.94	7.69	0.06
chr6	108732645	108733673	1029	464	46	128.95	8.5	0.08
chr6	108777792	108779308	1517	938	88	309.63	11.33	0
chr6	113025697	113027846	2150	1505	157	412.84	8.85	0
chr6	113187352	113188144	793	247	36	72.02	5.99	0.15
chr6	113256070	113258815	2746	531	133	99.95	5.08	0.08
chr6	113276241	113277668	1428	571	74	79.45	4.34	0.1
chr6	113292991	113294418	1428	887	69	164.8	8.16	0.06
chr6	113327022	113328750	1729	1175	96	170.17	6.37	0.06
chr6	113328866	113329865	1000	529	37	85.98	8.62	0.07
chr6	113432977	113434104	1128	564	54	144.12	6.99	0.09
chr6	113444095	113445146	1052	768	43	70.85	5.09	0.16
chr6	113480913	113482147	1235	704	73	340.73	22.65	0
chr6	113645832	113647850	2019	1285	110	239.54	10.69	0
chr6	114592469	114593625	1157	608	55	84.39	6.07	0.06
chr6	114871361	114872228	868	474	42	169.46	11.1	0.06

chr6	115310727	115311685	959	521	35	73.8	6.16	0.13
chr6	115625469	115627232	1764	1293	103	354.54	11.1	0
chr6	115758168	115759363	1196	546	52	170.34	8.24	0.06
chr6	116157526	116158571	1046	478	53	86.5	4.9	0.07
chr6	116618614	116619586	973	673	40	73.78	4.76	0.13
chr6	116621909	116624799	2891	2537	130	231.14	4.61	0
chr6	116668662	116669618	957	420	40	111.94	8.52	0.06
chr6	117828760	117831110	2351	840	138	196.59	6.64	0
chr6	117856313	117858441	2129	1557	142	448.14	9.71	0
chr6	117866591	117867929	1339	515	59	149.24	6.93	0.1
chr6	118088698	118089599	902	482	41	118.77	7.28	0.07
chr6	118368942	118369977	1036	518	44	116.67	8.9	0.07
chr6	119124987	119125960	974	515	38	81.32	5.88	0.1
chr6	119338410	119339332	923	504	38	143.95	8.03	0.09
chr6	119797572	119798971	1400	473	59	150.03	5.66	0.1
chr6	119852108	119853128	1021	517	39	128.65	8.09	0.08
chr6	119986751	119990008	3258	545	137	302.17	7.36	0
chr6	120061962	120063036	1075	242	39	98.5	4.94	0.08
chr6	120313522	120314707	1186	648	62	104.32	6.13	0.06
chr6	120771891	120773130	1240	797	53	177.99	8.09	0.07
chr6	120785911	120786766	856	348	46	129.22	7.42	0.08
chr6	122289937	122290903	967	580	34	84.25	5.84	0.06
chr6	122525705	122527321	1617	1001	79	150.76	5.49	0.1
chr6	122531165	122536537	5373	1308	309	728.29	7.19	0
chr6	122537207	122538383	1177	717	43	129.05	7.31	0.08
chr6	122538458	122539498	1041	473	42	133.31	7.45	0.08
chr6	122543013	122544007	995	513	38	73.94	5.63	0.13
chr6	122544062	122546336	2275	1821	120	318.11	9.42	0
chr6	122546408	122553451	7044	1832	575	1600.73	9.32	0
chr6	122553635	122555020	1386	775	70	266.1	11.91	0
chr6	122603812	122605324	1513	508	61	76.56	4.32	0.12
chr6	122610175	122611011	837	240	32	102.01	7.55	0.05
chr6	122760314	122762386	2073	1128	117	230.67	6.52	0
chr6	122769514	122770677	1164	535	42	103.41	6.97	0.06
chr6	122796236	122798210	1975	1415	97	228.02	7.08	0
chr6	122802334	122806635	4302	3725	273	836.29	11.46	0
chr6	122824137	122825021	885	441	33	72.43	7.71	0.15
chr6	122871072	122872033	962	624	42	77.21	3.9	0.12
chr6	123072535	123073906	1372	986	51	76.52	4.49	0.12
chr6	123211332	123216600	5269	1944	257	607.21	9.55	0
chr6	124661707	124662835	1129	575	59	104.91	5.31	0.06
chr6	124682163	124683659	1497	1020	69	121.98	6.36	0.07
chr6	124689688	124691935	2248	1386	132	249.5	6.86	0
chr6	124694962	124696747	1786	532	90	168.69	6.97	0.06

chr6	124754966	124756672	1707	734	84	116.46	5.95	0.07
chr6	124758297	124760141	1845	611	90	188.73	7.77	0
chr6	124778046	124780375	2330	769	105	112.18	4.39	0.06
chr6	124806867	124807828	962	305	42	113.73	5.98	0.06
chr6	124867101	124868524	1424	900	53	108.86	6.19	0.06
chr6	124880370	124882067	1698	976	95	276.2	7.74	0
chr6	124915009	124916352	1344	511	91	233.48	7.57	0
chr6	124958195	124960619	2425	759	123	281.64	6.8	0
chr6	124988996	124990916	1921	682	100	266.38	7.74	0
chr6	125045608	125047239	1632	785	70	203.01	7.19	0
chr6	125114307	125117225	2919	1283	144	225.85	5.22	0
chr6	125165024	125166112	1089	551	51	86.03	6.2	0.07
chr6	125181247	125182243	997	495	38	89.66	7.28	0.07
chr6	125203756	125204659	904	537	36	79.34	5.12	0.1
chr6	125263300	125264561	1262	695	77	190.85	7.81	0
chr6	125299483	125301079	1597	993	73	178.85	5.88	0
chr6	125376279	125377255	977	454	41	80.08	7.12	0.1
chr6	125522451	125523853	1403	950	55	70.99	5.02	0.16
chr6	127402889	127404330	1442	1115	63	97.19	5.58	0.08
chr6	128374343	128375300	958	444	42	82.27	6.85	0.1
chr6	128388301	128388999	699	466	25	76.52	6.07	0.12
chr6	128709883	128711217	1335	930	44	89.22	8.52	0.07
chr6	128713772	128714729	958	469	47	95.8	8.67	0.08
chr6	128749256	128749951	696	338	31	116.37	11.77	0.07
chr6	128752665	128753638	974	464	56	84.56	6.02	0.06
chr6	128788079	128789847	1769	979	74	134.31	6.51	0.08
chr6	129130332	129133429	3098	1516	211	732.15	10.55	0
chr6	129136758	129137844	1087	658	44	145.64	8.28	0.09
chr6	129185464	129186868	1405	455	65	154.31	8.09	0.1
chr6	129187168	129188786	1619	898	81	177.66	5.91	0.07
chr6	129299667	129302004	2338	606	111	444.02	11.46	0
chr6	129482669	129483587	919	502	32	79.09	8.54	0.1
chr6	131242622	131243895	1274	634	81	343.34	17.53	0
chr6	133984547	133986170	1624	892	114	367.86	10.27	0
chr6	134779502	134780720	1219	726	58	211.84	11.34	0
chr6	134847707	134848992	1286	808	64	128.24	4.33	0.08
chr6	134869445	134871126	1682	1240	90	214.26	5.91	0
chr6	134877344	134878868	1525	1143	67	204.02	8.23	0
chr6	134961059	134962066	1008	615	41	97.73	6.16	0.08
chr6	135117786	135118361	576	391	32	97.81	5.73	0.08
chr6	135246191	135247004	814	506	36	77.45	5.18	0.12
chr6	136467074	136468180	1107	479	54	96.47	5.93	0.08
chr6	136751976	136753271	1296	932	78	102.39	6.21	0.06
chr6	136775741	136777388	1648	763	84	161.17	6.14	0.11

chr6	136889016	136890714	1699	773	68	117.25	4.91	0.07
chr6	137702616	137703661	1046	527	44	108.5	9.25	0.06
chr6	140571493	140572628	1136	476	47	119.72	7.69	0.07
chr6	142335284	142336282	999	466	40	120.98	9.04	0.07
chr6	142705851	142706931	1081	320	37	95.92	5.09	0.08
chr6	143047761	143049120	1360	307	51	92.22	5.63	0.07
chr6	145069857	145070862	1006	444	47	110.76	7.75	0.06
chr6	145198455	145199256	802	379	27	83.13	8.2	0.11
chr6	145813671	145815413	1743	1036	91	162.3	5.48	0.11
chr6	146590562	146591579	1018	532	43	100.67	6.25	0.08
chr6	146836364	146837381	1018	392	38	132.83	8.16	0.08
chr6	146990943	146991950	1008	423	47	71.48	4.3	0.15
chr6	147039471	147040396	926	422	39	103.97	7.28	0.06
chr6	148160139	148161230	1092	633	47	78.26	4.05	0.12
chr6	148893084	148893638	555	359	20	70.8	8.31	0.16
chr6	149136631	149137776	1146	572	55	95.51	6.47	0.08
chr6	149257343	149258741	1399	657	84	394.15	18.34	0
chr7	3288811	3289786	976	528	39	121.97	9.81	0.07
chr7	3292618	3293359	742	449	29	89.88	8.62	0.07
chr7	3580923	3581987	1065	558	49	125.9	7.72	0.07
chr7	3595957	3597422	1466	944	79	106.17	5.11	0.06
chr7	3655178	3656310	1133	489	74	176.97	9.1	0.07
chr7	3656420	3657709	1290	887	48	99.82	5.42	0.08
chr7	4088029	4089373	1345	518	71	88.39	6.22	0.07
chr7	4100073	4101793	1721	883	93	111.48	4.85	0.06
chr7	4396554	4397462	909	680	44	88.78	6.36	0.07
chr7	4452579	4454194	1616	726	86	225.67	7.08	0
chr7	4609473	4611081	1609	1100	72	205.59	9.37	0
chr7	4675035	4676647	1613	1142	72	120.27	6.36	0.07
chr7	4690896	4693262	2367	1915	115	263.58	7.08	0
chr7	4743797	4744963	1167	479	59	185.23	7.28	0
chr7	4763945	4765038	1094	587	54	134.42	7.42	0.08
chr7	4817205	4818580	1376	835	82	214.69	8.39	0
chr7	4828229	4829227	999	516	41	92.99	7.36	0.07
chr7	4866223	4867480	1258	775	72	218.72	8.79	0
chr7	4965692	4967602	1911	1301	81	134.39	4.49	0.08
chr7	4971431	4972683	1253	676	64	120.25	6.2	0.07
chr7	4989665	4990610	946	271	38	74.82	5.06	0.13
chr7	5002668	5003776	1109	424	54	183.39	9.89	0
chr7	5011520	5014686	3167	2245	161	360.86	5.91	0
chr7	5031361	5032602	1242	380	71	155.44	8.09	0.11
chr7	6106685	6108155	1471	636	75	161.33	5.69	0.11
chr7	7250857	7252889	2033	1503	111	253.92	7.48	0
chr7	13063357	13064326	970	380	45	188.02	14.45	0

chr7	13419627	13420821	1195	776	46	72.17	5.29	0.15
chr7	13466084	13467108	1025	455	44	87.9	5.83	0.07
chr7	13495294	13496354	1061	572	53	214.33	10.51	0
chr7	13506747	13507878	1132	737	73	230.35	8.74	0
chr7	13550655	13551624	970	478	47	110.12	6.8	0.06
chr7	13609266	13610762	1497	515	62	107.69	4.85	0.06
chr7	13619391	13620698	1308	748	80	103.31	6.44	0.06
chr7	13622771	13624338	1568	921	81	228.5	7.72	0
chr7	16507225	16508418	1194	452	62	114.02	6.26	0.06
chr7	16530758	16531793	1036	626	38	79.59	5.78	0.1
chr7	16631530	16635038	3509	2312	188	243.9	6.12	0
chr7	16637171	16638831	1661	1098	77	152.14	6.53	0.1
chr7	16704737	16705697	961	581	41	92.28	7.39	0.07
chr7	16839269	16840503	1235	349	63	131.05	6.36	0.08
chr7	16842924	16845146	2223	433	140	380.03	8.09	0
chr7	16858169	16859665	1497	431	70	85.07	4.85	0.07
chr7	16870779	16872595	1817	981	107	206	6.86	0
chr7	16894288	16895947	1660	419	81	93.98	3.72	0.07
chr7	16897379	16899905	2527	2010	142	355.33	8.49	0
chr7	16972644	16973659	1016	612	41	85.41	7.04	0.07
chr7	16984094	16988067	3974	2286	298	998.89	10.82	0
chr7	17199758	17201044	1287	701	60	103.82	5.3	0.06
chr7	17508826	17510347	1522	619	81	193.01	6.85	0
chr7	17612066	17613445	1380	972	53	70.78	3.76	0.16
chr7	19495476	19496434	959	519	40	73.22	4.98	0.13
chr7	19704390	19705696	1307	839	62	124.66	6.53	0.07
chr7	19734114	19735726	1613	1092	66	116.19	7.44	0.07
chr7	19812645	19814542	1898	767	138	258.8	6.51	0
chr7	19856660	19857863	1204	520	56	173.55	7.79	0.07
chr7	19893528	19894407	880	466	37	73.7	5.83	0.13
chr7	20146921	20148488	1568	949	80	211.13	6.68	0
chr7	20158270	20159156	887	532	37	92.45	7.32	0.07
chr7	20189159	20190206	1048	608	51	132.34	8.09	0.08
chr7	20213413	20215412	2000	871	104	276.02	6.68	0
chr7	20249642	20251373	1732	1104	90	195.78	5.69	0
chr7	20279253	20284981	5729	1618	318	988.62	8.57	0
chr7	20300490	20301667	1178	518	57	89.71	4.8	0.07
chr7	20407389	20408504	1116	484	45	97.72	5.49	0.08
chr7	20408897	20409985	1089	748	41	92.86	5.21	0.07
chr7	25101335	25102416	1082	513	47	106.38	7.04	0.06
chr7	25314964	25316007	1044	622	56	82.09	6.78	0.1
chr7	25331541	25332611	1071	547	48	75.94	5.39	0.14
chr7	25668661	25670059	1399	720	97	276.15	7.53	0
chr7	25687545	25688680	1136	667	47	150.41	9.37	0.1

chr7	25688751	25689872	1122	558	45	97.61	6.25	0.08
chr7	25756770	25758223	1454	936	67	84.31	5.71	0.06
chr7	25860974	25862861	1888	1379	109	325.77	10.55	0
chr7	26022364	26023902	1539	1020	70	75.73	4.49	0.13
chr7	26033631	26034687	1057	390	40	121.54	7.08	0.07
chr7	26034725	26036211	1487	1010	65	219.65	11.63	0
chr7	26052218	26053843	1626	1009	90	159.63	4.17	0.11
chr7	26063133	26065992	2860	1046	148	348.39	7.5	0
chr7	26066491	26069370	2880	454	130	185.91	5.39	0
chr7	26082149	26083360	1212	555	57	76.44	4.05	0.12
chr7	26101255	26102544	1290	587	56	92.16	4.91	0.07
chr7	26179697	26181406	1710	625	84	235.32	6.55	0
chr7	26435907	26436902	996	503	39	89.04	7.71	0.07
chr7	26443294	26444495	1202	518	67	135.87	6.52	0.08
chr7	26464812	26466579	1768	1067	85	196.12	8.43	0
chr7	26471411	26474857	3447	686	165	415.96	6.65	0
chr7	26538685	26540560	1876	798	98	249.15	5.73	0
chr7	26540677	26541764	1088	565	49	73.62	6	0.13
chr7	26561524	26562251	728	353	30	99.74	7.8	0.08
chr7	27950996	27952831	1836	405	89	206.89	7.42	0
chr7	28012987	28013854	868	344	36	95.26	5.66	0.07
chr7	28043142	28044123	982	490	39	93.66	7.89	0.07
chr7	28140455	28142796	2342	514	113	337.25	9.68	0
chr7	28232345	28234771	2427	840	109	111.22	4.27	0.06
chr7	28257722	28259149	1428	1085	65	101.11	4.58	0.08
chr7	28259215	28260152	938	523	38	91.1	7.71	0.07
chr7	28271394	28272968	1575	606	94	213.27	10.79	0
chr7	28275238	28276602	1365	941	58	140.33	7.32	0.09
chr7	28375973	28377384	1412	998	67	163.89	6.33	0.06
chr7	28458879	28460074	1196	405	44	103.84	4.68	0.06
chr7	28623224	28623817	594	370	23	89.3	8.74	0.07
chr7	28954245	28955770	1526	448	69	152.68	7.55	0.1
chr7	29096681	29097525	845	338	44	89.3	5.66	0.07
chr7	29123103	29124465	1363	639	67	111.85	6	0.06
chr7	29135170	29136244	1075	451	49	94.73	6.85	0.07
chr7	29156936	29158675	1740	1084	96	225.39	7.79	0
chr7	29159970	29164949	4980	4258	424	1253.34	13.73	0
chr7	29165193	29169066	3874	1945	221	477.26	6.14	0
chr7	29170573	29171839	1267	486	58	92.49	5.12	0.07
chr7	29177341	29178433	1093	541	52	173.03	10.34	0.07
chr7	29526615	29527521	907	193	41	94.19	4.72	0.07
chr7	29593327	29595102	1776	853	87	71.4	3.57	0.15
chr7	29595208	29597180	1973	1272	136	427.07	11.2	0
chr7	29940361	29941497	1137	403	60	224.74	10.17	0

chr7	29964929	29966017	1089	688	47	79.1	4.79	0.1
chr7	30022621	30023907	1287	754	62	173.85	7.71	0.07
chr7	30553042	30554078	1037	449	46	107.37	6.33	0.06
chr7	30768346	30769503	1158	548	64	128.81	7.83	0.08
chr7	31016320	31017287	968	461	39	86.9	6.99	0.07
chr7	31064403	31066476	2074	1503	103	175.33	5.56	0.07
chr7	31197514	31199861	2348	445	109	166.23	4.85	0.06
chr7	31202053	31203552	1500	417	58	99.11	4.42	0.08
chr7	31203921	31205629	1709	1056	89	71.62	3.69	0.15
chr7	31206280	31208950	2671	2138	119	142.34	4.41	0.09
chr7	31336944	31337987	1044	290	44	96.48	5.63	0.08
chr7	31344376	31345045	670	325	27	98.7	9.17	0.08
chr7	31347795	31348807	1013	501	39	76.47	5.98	0.12
chr7	31373565	31374777	1213	381	49	106.14	5.88	0.06
chr7	31434955	31435902	948	294	66	160.12	7.38	0.11
chr7	31449598	31450472	875	405	51	206.56	16.63	0
chr7	31740548	31743435	2888	2148	130	284.22	8.48	0
chr7	31758570	31759399	830	369	30	73.39	5.54	0.13
chr7	31816278	31818360	2083	953	80	119.7	4.05	0.07
chr7	31935500	31936858	1359	974	66	141.54	5.29	0.09
chr7	35173585	35175409	1825	1279	98	200.54	7.81	0
chr7	35840425	35842392	1968	1120	88	162.66	5.6	0.12
chr7	35902987	35906139	3153	1358	182	379.75	9.44	0
chr7	36181365	36182526	1162	421	47	116.36	6.88	0.07
chr7	36340037	36341440	1404	470	67	174.52	6.62	0.07
chr7	38803744	38804992	1249	514	51	134.89	5.96	0.08
chr7	38968269	38969187	919	403	34	72.95	6.52	0.15
chr7	39055843	39056905	1063	575	58	207.82	14.9	0
chr7	46772765	46773690	926	424	36	87.87	5.26	0.07
chr7	46799484	46800400	917	326	37	88.59	5.78	0.07
chr7	50698754	50699888	1135	660	49	76.81	5.3	0.12
chr7	51501264	51502745	1482	922	85	167.75	6.07	0.06
chr7	51628801	51630210	1410	519	59	188.16	8.93	0
chr7	51751127	51752457	1331	831	78	191.84	10.11	0
chr7	51803692	51804719	1028	606	39	91.1	6.88	0.07
chr7	51808619	51809741	1123	784	54	104.91	5.49	0.06
chr7	52071289	52072393	1105	539	48	102.18	5.06	0.05
chr7	52103618	52106202	2585	1552	182	295.59	5.46	0
chr7	52109300	52110797	1498	737	94	227.84	6.74	0
chr7	52124284	52125953	1670	875	85	218.55	8.66	0
chr7	52150393	52151795	1403	263	51	76.6	4.41	0.12
chr7	52184389	52186330	1942	570	107	225.75	6.7	0
chr7	52241231	52242707	1477	487	76	121.6	4.9	0.07
chr7	52252130	52254272	2143	858	92	182.81	6.8	0

chr7	52270879	52272112	1234	725	63	152.98	7.12	0.1
chr7	52272251	52273821	1571	790	79	194.38	6.07	0
chr7	52308340	52310241	1902	1346	81	158.16	6.07	0.11
chr7	52333786	52334505	720	447	28	71.3	6.07	0.15
chr7	52379244	52380526	1283	479	58	95.86	5.86	0.08
chr7	52383587	52385033	1447	558	82	167.09	6.79	0.06
chr7	52408992	52410330	1339	589	86	291.68	12.66	0
chr7	52493136	52494426	1291	781	52	86.37	4.36	0.07
chr7	52594448	52595485	1038	623	39	84.15	5.78	0.06
chr7	52622087	52623109	1023	439	46	87.23	5.69	0.07
chr7	52650493	52651664	1172	553	57	81.34	5	0.1
chr7	52689209	52690505	1297	987	57	77.02	4.46	0.12
chr7	52711026	52716960	5935	1835	575	2004.4	16.69	0
chr7	52721439	52722650	1212	723	60	102.71	5.74	0.06
chr7	52776848	52777779	932	409	34	77.02	6.47	0.12
chr7	52781010	52782166	1157	568	58	101.75	6.26	0.05
chr7	52844250	52845267	1018	442	43	74.75	4.49	0.13
chr7	52959697	52961115	1419	540	66	118.95	6.07	0.07
chr7	52961328	52965591	4264	1902	219	422.76	6.07	0
chr7	52969892	52974720	4829	3458	315	399.33	6.83	0
chr7	53069114	53070336	1223	530	53	82.61	4.46	0.11
chr7	53127863	53129206	1344	532	59	88.58	3.91	0.07
chr7	53151664	53153050	1387	892	62	94.03	5.39	0.07
chr7	53175438	53177324	1887	1418	85	150.27	5.69	0.1
chr7	53178043	53179508	1466	948	57	106.37	5.75	0.06
chr7	53288678	53289508	831	445	33	74.08	6.99	0.13
chr7	54100738	54101970	1233	531	78	157.04	8.78	0.11
chr7	54174907	54175941	1035	507	67	180.69	10.88	0
chr7	54263021	54264315	1295	630	70	128.66	7.33	0.08
chr7	54305467	54307860	2394	614	118	177.35	5.56	0.07
chr7	56043994	56044984	991	479	39	89.65	6.55	0.07
chr7	56301895	56303391	1497	365	56	99.6	5.63	0.08
chr7	56500768	56502149	1382	726	64	148.84	6.74	0.1
chr7	63048901	63049986	1086	541	47	94.13	6.8	0.07
chr7	63097222	63098402	1181	421	62	212.69	9.79	0
chr7	63216798	63218304	1507	1050	67	118.89	6.89	0.07
chr7	63304986	63305928	943	591	49	88.55	5.31	0.07
chr7	65654178	65655131	954	500	41	93.19	8.09	0.07
chr7	71003322	71004183	862	241	37	121.74	8.09	0.07
chr7	71055431	71057536	2106	961	97	165.66	6.93	0.06
chr7	71082325	71085104	2780	1706	151	321.54	6.36	0
chr7	71431857	71433176	1320	596	78	185.32	8.09	0
chr7	71536690	71538037	1348	505	64	157.34	6.68	0.11
chr7	72017443	72018429	987	494	36	75.48	8.48	0.13

chr7	73532679	73533728	1050	541	53	159.01	11.56	0.11
chr7	74367095	74367892	798	368	26	70.48	7.54	0.16
chr7	74516812	74518924	2113	1214	114	163.57	4.94	0.06
chr7	74789436	74790937	1502	938	77	166.5	8.39	0.06
chr7	75096443	75097534	1092	338	37	92.85	6.66	0.07
chr7	80677677	80679114	1438	1051	63	145.83	5.09	0.09
chr7	80681882	80687098	5217	952	300	417.95	7.24	0
chr7	80695196	80695831	636	371	21	70.89	6.99	0.16
chr7	80701753	80705112	3360	1541	220	670.59	10.03	0
chr7	80739783	80740758	976	465	37	92.97	6.39	0.07
chr7	80751503	80753115	1613	464	68	133.04	5.06	0.08
chr7	80761871	80764575	2705	1310	202	837.8	17.28	0
chr7	82926781	82927493	713	197	24	79.99	7.51	0.1
chr7	86536504	86537681	1178	400	52	83.88	4.74	0.06
chr7	86610367	86611876	1510	943	102	292.55	9.54	0
chr7	86992645	86993479	835	566	43	126.12	7.62	0.07
chr7	87065128	87066078	951	524	40	88.62	6.68	0.07
chr7	87169481	87173195	3715	658	193	385.8	7.22	0
chr7	87173679	87175047	1369	400	52	73.03	3.6	0.13
chr7	87259333	87260739	1407	907	57	107.16	4.72	0.06
chr7	87377222	87378231	1010	567	40	104.96	5.96	0.06
chr7	87468414	87469677	1264	677	65	195.52	7.71	0
chr7	87484705	87485726	1022	472	50	77.57	4.9	0.12
chr7	87530847	87533924	3078	1921	208	724.49	10.32	0
chr7	87919347	87920513	1167	698	58	160.72	5.88	0.11
chr7	87946943	87948891	1949	1293	114	248.37	6.74	0
chr7	88045734	88046815	1082	514	46	90.01	6.15	0.07
chr7	88357364	88358667	1304	693	64	155.46	6.74	0.11
chr7	88489693	88490785	1093	625	53	116.18	7.47	0.07
chr7	88907239	88908359	1121	702	45	110.93	6.88	0.06
chr7	88974163	88974948	786	400	29	75.94	8.37	0.14
chr7	91031718	91033556	1839	743	109	278.25	7.79	0
chr7	97088825	97090031	1207	661	57	126.1	6.47	0.07
chr7	97128478	97129895	1418	530	82	263.7	9.99	0
chr7	97277489	97279778	2290	1338	118	377.46	8.84	0
chr7	97280036	97282025	1990	633	84	248.58	6.59	0
chr7	97361372	97362072	701	228	25	70.65	6.14	0.16
chr7	97605111	97606587	1477	613	83	221.98	7.12	0
chr7	99817070	99819108	2039	1372	102	208.29	7.79	0
chr7	99889425	99890578	1154	544	57	108.64	6.14	0.06
chr7	100022453	100024273	1821	1331	92	125.67	5.32	0.07
chr7	104229649	104232034	2386	1701	130	294.61	6.29	0
chr7	104359104	104360074	971	710	39	71.87	4.53	0.15
chr7	104480180	104481505	1326	419	64	104.22	4.18	0.06

chr7	104519629	104520796	1168	579	64	100.3	6.29	0.08
chr7	104727538	104728994	1457	406	52	77.22	4.98	0.12
chr7	105326253	105327426	1174	419	39	86.25	5.54	0.07
chr7	105457449	105458388	940	552	50	98	5.74	0.08
chr7	105963286	105964957	1672	630	95	255.14	10.36	0
chr7	106529486	106530565	1080	479	56	114.91	5.86	0.06
chr7	106616626	106617735	1110	399	46	81.49	5.29	0.1
chr7	106631458	106632675	1218	689	74	147.24	6.9	0.1
chr7	106683025	106685107	2083	1284	120	192.45	4.49	0
chr7	107128083	107129273	1191	809	59	185.2	11.56	0
chr7	107269277	107270656	1380	890	65	133.68	6.22	0.08
chr7	107307342	107308513	1172	458	52	112.87	6.07	0.06
chr7	107641021	107642693	1673	858	117	307.65	9.13	0
chr7	107642804	107645368	2565	1854	115	86.86	3.44	0.07
chr7	107648557	107654295	5739	1769	418	1067.28	7.53	0
chr7	107685213	107686171	959	441	39	106.02	8.94	0.06
chr7	107731015	107731908	894	447	32	87.78	6.19	0.07
chr7	107755416	107756830	1415	828	75	84.34	4.93	0.06
chr7	107854452	107855830	1379	869	60	92.51	6.14	0.07
chr7	108082782	108085481	2700	536	106	136.48	4.74	0.08
chr7	108108410	108110461	2052	1489	93	146.34	6.14	0.09
chr7	108111067	108113520	2454	1871	123	108.25	4.82	0.06
chr7	108256404	108257701	1298	349	57	92.59	4.83	0.07
chr7	108527795	108528979	1185	682	46	76.13	3.82	0.12
chr7	108530251	108531823	1573	977	83	91.17	3.95	0.07
chr7	108984656	108987321	2666	1784	122	239.93	6.12	0
chr7	109044335	109045813	1479	911	95	217.98	7.08	0
chr7	109053673	109056063	2391	958	142	206.23	6.43	0
chr7	109056412	109057404	993	522	43	82.39	5.6	0.11
chr7	109082093	109083073	981	403	40	75.11	5.83	0.13
chr7	109117916	109119166	1251	706	57	150.77	6.55	0.1
chr7	109395069	109399833	4765	3743	247	461.84	6.7	0
chr7	109414869	109415761	893	318	40	96.36	6.68	0.08
chr7	109589690	109590943	1254	599	80	227.51	11.99	0
chr7	112702725	112703488	764	325	25	74.47	7.01	0.13
chr7	112781571	112782405	835	277	33	95.83	6.82	0.08
chr7	112788346	112789897	1552	764	65	92.64	4.18	0.07
chr7	116661974	116663269	1296	571	58	88.96	4.32	0.07
chr7	116895294	116896597	1304	612	59	173.44	7.24	0.07
chr7	117103091	117104517	1427	984	51	105.78	7.28	0.06
chr7	117129550	117130447	898	408	43	146.75	11.69	0.09
chr7	117161406	117162377	972	470	47	115.8	9.78	0.07
chr7	117204148	117206259	2112	790	123	241.59	5.56	0
chr7	117264609	117265927	1319	646	69	154.95	7.49	0.1

chr7	117522587	117523415	829	326	29	84.42	7.59	0.06
chr7	117758141	117759166	1026	579	42	137.16	8.54	0.08
chr7	117911610	117912779	1170	477	47	122.98	7.24	0.07
chr7	118225052	118227303	2252	1438	143	187.73	5.33	0
chr7	118265362	118266916	1555	783	78	107.09	4.85	0.06
chr7	119166356	119167385	1030	548	48	201.61	12.23	0
chr7	120656465	120657996	1532	615	69	104.59	5.12	0.06
chr7	121397575	121398649	1075	615	45	86.32	5.83	0.07
chr7	121419128	121420345	1218	544	57	139.15	6.68	0.09
chr7	123236000	123237271	1272	750	52	94.21	4.53	0.07
chr7	123477036	123478580	1545	532	66	140.41	6.68	0.09
chr7	123586146	123587606	1461	947	71	249.53	9.04	0
chr7	125259061	125260288	1228	397	50	96.36	6.41	0.08
chr7	125272512	125273822	1311	724	65	110.45	4.96	0.06
chr7	125386368	125387912	1545	1056	79	131.15	4.8	0.08
chr7	125634306	125635868	1563	547	76	230.49	7.47	0
chr7	125676090	125677417	1328	676	61	91.82	4.7	0.07
chr7	125846307	125847208	902	427	31	73.11	7.87	0.13
chr7	125848741	125849786	1046	536	39	101.9	7.19	0.05
chr7	125883524	125885094	1571	1139	73	122.78	4.74	0.07
chr7	125998640	125999709	1070	529	46	76.72	6.93	0.12
chr7	126936820	126938110	1291	527	59	165.43	6.07	0.06
chr7	127038902	127040114	1213	827	56	72.69	4.52	0.15
chr7	127778201	127779153	953	492	36	103.36	9.52	0.06
chr7	127820449	127821165	717	532	28	104.13	9.12	0.06
chr7	127978409	127979857	1449	624	104	229.86	9.89	0
chr7	127985896	127986867	972	467	36	77.12	6.16	0.12
chr7	128060624	128062393	1770	629	76	133.51	5.48	0.08
chr7	128177273	128178885	1613	719	72	135.28	6.53	0.08
chr7	128217548	128219375	1828	551	81	131.98	6.65	0.08
chr7	129164215	129165060	846	419	37	92.54	8.09	0.07
chr7	129210048	129211317	1270	883	49	128.8	7.15	0.08
chr7	129275791	129277159	1369	556	57	92.74	4.79	0.07
chr7	130112939	130114187	1249	563	80	210.01	9.76	0
chr7	130267051	130268202	1152	538	55	163.18	9.3	0.06
chr7	132587628	132589210	1583	990	78	92.79	4.37	0.07
chr7	132634430	132635525	1096	522	49	144.69	9.37	0.09
chr7	132695274	132696354	1081	534	50	110.39	9.79	0.06
chr7	132850792	132852074	1283	483	65	227.27	9.03	0
chr7	133343307	133344428	1122	688	48	94.23	5.83	0.07
chr7	133571813	133572964	1152	628	53	216.83	12.14	0
chr7	133618153	133619058	906	413	31	72.69	7.43	0.15
chr7	133625544	133626396	853	509	27	77.43	8.16	0.12
chr7	133630078	133631204	1127	552	46	165.06	9.32	0.06

chr7	133645393	133647557	2165	475	122	427.02	9.73	0
chr7	133726542	133729596	3055	1126	146	269.51	6.25	0
chr7	133838722	133839868	1147	696	50	126.99	7.32	0.07
chr7	133844380	133848794	4415	3926	222	402.58	5.67	0
chr7	133889266	133890908	1643	718	101	153.2	5.26	0.1
chr7	133902571	133903714	1144	317	52	145.79	7.65	0.09
chr7	133919822	133921551	1730	729	83	181	6.8	0
chr7	133935228	133936377	1150	748	53	108.13	6.22	0.06
chr7	133941099	133943873	2775	1479	173	368.23	7.59	0
chr7	134027725	134028813	1089	666	45	74.92	5.09	0.13
chr7	134040942	134042503	1562	766	84	267.54	9.48	0
chr7	134072093	134072954	862	374	37	85.26	7.74	0.07
chr7	134118674	134120426	1753	877	106	222.06	6.83	0
chr7	134159899	134161536	1638	974	75	109.33	4.96	0.06
chr7	134169414	134171705	2292	1635	124	293.48	9.65	0
chr7	134338991	134340108	1118	546	45	81.27	6.47	0.1
chr7	134351829	134353222	1394	875	63	173.32	6.47	0.07
chr7	134375969	134377272	1304	613	64	147.36	6.47	0.1
chr7	134387329	134388570	1242	669	54	113.4	6.07	0.06
chr7	134397056	134398439	1384	846	66	79.52	4.72	0.1
chr7	134403639	134404817	1179	505	62	202.12	9.3	0
chr7	134488411	134490114	1704	592	83	119.45	4.9	0.07
chr7	134519130	134519923	794	345	29	101.91	9.82	0.05
chr7	134549853	134550867	1015	476	38	93.62	8.94	0.07
chr7	134613939	134615593	1655	508	80	326.56	11.88	0
chr7	134620772	134623169	2398	1813	157	420.42	9.27	0
chr7	134655053	134657015	1963	454	94	144.82	5.48	0.09
chr7	134716160	134717253	1094	608	44	79.65	5.5	0.1
chr7	134731279	134732849	1571	1004	91	250.76	10.68	0
chr7	134888512	134889972	1461	1269	65	104.59	4.22	0.06
chr7	134912127	134913871	1745	1169	95	267.68	11.96	0
chr7	134919498	134921181	1684	584	101	183.51	6.93	0
chr7	134984235	134986461	2227	800	108	146.35	5.64	0.09
chr7	134993463	134995368	1906	945	79	108.75	4.49	0.06
chr7	135018807	135020955	2149	1603	148	444.02	8.99	0
chr7	135055488	135056563	1076	592	46	96.29	7.08	0.08
chr7	135109987	135112443	2457	1074	157	246.53	8.7	0
chr7	135205784	135207211	1428	1140	54	115.16	5.91	0.06
chr7	135380256	135382385	2130	1431	126	191.97	5.54	0
chr7	135561235	135562597	1363	857	55	112.44	5.15	0.06
chr7	135604481	135605786	1306	728	62	122.7	5.99	0.07
chr7	135666516	135668210	1695	724	81	133.43	5.39	0.08
chr7	135754348	135755334	987	541	44	87.72	6.22	0.07
chr7	135882864	135884690	1827	1145	87	209.26	6.33	0

chr7	137662484	137663833	1350	806	81	125.79	4.77	0.07
chr7	138009017	138010025	1009	502	42	71.59	5.09	0.15
chr7	138553499	138554665	1167	538	51	115.2	5.63	0.06
chr7	139767108	139768578	1471	958	53	77.53	5.5	0.12
chr7	139904857	139905885	1029	528	48	106.58	7.44	0.06
chr7	140004570	140006173	1604	1071	89	319.96	10.38	0
chr7	140043370	140044644	1275	769	54	131.1	6.93	0.08
chr7	140050639	140051864	1226	256	50	85.25	5.6	0.07
chr7	140122240	140123911	1672	550	69	113.22	6.93	0.06
chr7	140313871	140315109	1239	304	41	103.6	7.14	0.06
chr7	140315209	140316561	1353	863	78	206.13	6.85	0
chr7	140828325	140829832	1508	385	64	113.55	5.63	0.06
chr7	142843312	142844165	854	319	37	75.67	7.04	0.13
chr7	146037438	146038819	1382	502	51	73.02	4.36	0.13
chr7	146433569	146434640	1072	529	42	103.25	6.98	0.06
chr7	146574012	146575451	1440	446	65	191.26	8.61	0
chr7	147176617	147178984	2368	1084	101	160.68	5.09	0.11
chr7	147221857	147223062	1206	442	48	84.33	4.85	0.06
chr7	147323065	147324081	1017	578	52	122.69	8.09	0.07
chr7	148041937	148043792	1856	684	81	154.33	4.85	0.1
chr7	148067157	148068682	1526	1204	76	195.49	5.98	0
chr7	148127267	148128565	1299	303	63	123.59	4.96	0.07
chr7	148139350	148140907	1558	510	68	157.85	6.25	0.11
chr7	148352841	148355004	2164	980	90	209.99	5.7	0
chr7	148357993	148359179	1187	466	64	118.34	5.31	0.07
chr7	148512911	148514933	2023	745	198	915.95	17.53	0
chr7	148577709	148579499	1791	1333	77	153.11	5.73	0.1
chr7	148632957	148634122	1166	609	54	70.94	4.76	0.16
chr7	148646230	148648014	1785	580	74	89.41	5.48	0.07
chr7	148747773	148748874	1102	528	45	73.46	5.09	0.13
chr7	149087715	149089002	1288	482	62	147.31	6.41	0.1
chr7	149559763	149561897	2135	1080	106	258.01	8.12	0
chr7	149568732	149574380	5649	4975	366	704.81	7.63	0
chr7	149718675	149719676	1002	501	52	93	5.31	0.07
chr7	150734336	150735688	1353	807	62	109.95	5.2	0.06
chr7	152100393	152101660	1268	597	51	124.15	5.26	0.07
chr7	152468771	152470993	2223	1691	99	125.57	4.56	0.07
chr8	3278953	3279855	903	522	41	141.21	10.47	0.09
chr8	3467194	3467934	741	385	26	89.95	9.32	0.07
chr8	3499612	3501098	1487	841	73	185.04	7.39	0
chr8	3620826	3621902	1077	535	66	128.92	7.17	0.08
chr8	3631015	3632019	1005	703	42	92.2	6.01	0.07
chr8	3675887	3677024	1138	576	50	75.94	5.39	0.14
chr8	4165700	4166750	1051	519	43	90.7	5.63	0.07

chr8	4238098	4239467	1370	651	67	110.91	4.7	0.06
chr8	4275444	4276373	930	469	40	81.32	9.39	0.1
chr8	4324411	4325705	1295	759	61	85.85	4.41	0.07
chr8	4612735	4613457	723	527	28	70.93	5.66	0.16
chr8	4677205	4679139	1935	1326	94	94.54	3.73	0.07
chr8	9977178	9978294	1117	545	44	113.29	8.09	0.06
chr8	11008393	11010056	1664	473	115	193.84	6.55	0
chr8	11497166	11498148	983	460	36	81.21	7.28	0.1
chr8	11554721	11556518	1798	1225	96	238.63	6.47	0
chr8	11557060	11559017	1958	880	111	243.13	11.72	0
chr8	11634514	11636120	1607	1215	72	70.56	3.94	0.16
chr8	12671633	12672573	941	487	36	70.89	7.39	0.16
chr8	13104443	13106351	1909	1349	96	232.88	7.42	0
chr8	13159078	13160654	1577	539	63	120.4	6.47	0.07
chr8	13674074	13678081	4008	3474	184	253.43	6.26	0
chr8	14887999	14891962	3964	965	217	163.46	4.38	0.06
chr8	19784459	19785104	646	333	25	86.12	8.36	0.07
chr8	20019853	20020608	756	407	31	90.6	9.17	0.07
chr8	23170819	23171742	924	413	38	77.44	7.08	0.12
chr8	23508324	23509592	1269	934	41	100.46	7.61	0.08
chr8	23703924	23705064	1141	563	62	147.97	10.79	0.1
chr8	23763502	23764366	865	445	37	75.57	6.15	0.13
chr8	23915488	23916693	1206	455	60	141.57	6.15	0.09
chr8	23968930	23970291	1362	414	67	202.04	8.09	0
chr8	26126846	26128376	1531	941	85	234.85	6.74	0
chr8	26161996	26163939	1944	623	88	197.74	6.33	0
chr8	26211686	26213100	1415	916	66	149.47	6.74	0.1
chr8	26310744	26312492	1749	391	69	158.74	6.47	0.11
chr8	26703713	26704580	868	401	29	88.18	8.26	0.07
chr8	26706911	26708579	1669	619	94	319.94	9.3	0
chr8	26711358	26713303	1946	776	119	287.22	7.53	0
chr8	26864329	26865553	1225	683	62	121.36	6.97	0.07
chr8	26895138	26896529	1392	459	61	113.48	5.91	0.06
chr8	26950923	26951983	1061	533	43	130.68	7.14	0.08
chr8	27086566	27087575	1010	471	41	133.95	9.1	0.08
chr8	27228906	27230709	1804	642	91	326.82	12.37	0
chr8	27268076	27269830	1755	1187	96	174.48	6.57	0.07
chr8	28086269	28088087	1819	1098	78	94.87	4.49	0.07
chr8	28133220	28134830	1611	1003	89	243.71	8.09	0
chr8	34763490	34764442	953	703	38	107.93	6.29	0.06
chr8	34842097	34843220	1124	367	57	125.11	6.29	0.07
chr8	35209247	35210468	1222	718	47	95.49	5.15	0.08
chr8	35217178	35218178	1001	469	52	93.14	7.08	0.07
chr8	36027342	36029077	1736	1328	77	222.44	8.09	0

chr8	36557855	36559072	1218	652	54	73.26	4.3	0.13
chr8	36650484	36651558	1075	519	41	109.39	7.19	0.06
chr8	37311762	37313104	1343	1147	60	122.05	5.18	0.07
chr8	41596207	41597639	1433	881	59	155.3	10.22	0.1
chr8	42101295	42102201	907	418	34	85.32	8.52	0.07
chr8	42458799	42460527	1729	1201	85	124.07	6.86	0.07
chr8	42502002	42502942	941	360	46	135.11	10.02	0.08
chr8	46418091	46419448	1358	655	69	141.38	6.93	0.09
chr8	47060109	47061426	1318	496	62	77.63	4.85	0.12
chr8	47084799	47086130	1332	842	64	70.35	4.47	0.16
chr8	47248345	47249486	1142	555	61	173.76	11.96	0.07
chr8	47296094	47297021	928	520	42	166.42	9.42	0.06
chr8	47555746	47557007	1262	756	63	89.02	5.24	0.07
chr8	47824442	47825412	971	504	35	71.52	6.49	0.15
chr8	47825788	47827332	1545	706	81	220.67	7.74	0
chr8	48019987	48020703	717	504	27	86.25	8.6	0.07
chr8	48759885	48761632	1748	793	104	280.06	7.16	0
chr8	48798842	48800369	1528	917	73	108.82	4.8	0.06
chr8	54596684	54597714	1031	491	42	106.42	10.11	0.06
chr8	59029430	59030591	1162	527	51	86.61	5.2	0.07
chr8	59989700	59991298	1599	1108	71	220.39	9.7	0
chr8	63368804	63369712	909	381	38	100.75	6.88	0.08
chr8	63471146	63472457	1312	797	60	84.83	6.32	0.06
chr8	67470756	67471920	1165	388	64	196.94	8.83	0
chr8	71613784	71614531	748	520	32	74.45	6.99	0.13
chr8	72239858	72241445	1588	507	105	158.88	7.9	0.11
chr8	72314355	72315705	1351	851	69	241.19	11.24	0
chr8	72332105	72333434	1330	514	61	168.26	9.57	0.06
chr8	72424858	72426321	1464	785	83	169.06	8.09	0.06
chr8	72519175	72521232	2058	1491	113	260.85	7.79	0
chr8	72566176	72567087	912	391	38	88.93	7.36	0.07
chr8	72654861	72655814	954	446	43	87.41	5.91	0.07
chr8	72662408	72663450	1043	801	49	93.13	5.49	0.07
chr8	72806296	72807807	1512	960	70	249.21	9.1	0
chr8	72825895	72826961	1067	495	55	130.33	10.27	0.08
chr8	72962869	72964126	1258	848	70	146.34	6.16	0.09
chr8	73033728	73034909	1182	612	68	144.07	7.57	0.09
chr8	73046282	73047637	1356	717	74	192.65	9.71	0
chr8	73050990	73052436	1447	1011	65	132.1	5.83	0.08
chr8	73061661	73064133	2473	1084	143	383.76	8.09	0
chr8	73067862	73068670	809	400	42	85.46	5.12	0.07
chr8	73131623	73136068	4446	1879	275	396.38	5.46	0
chr8	73183206	73184130	925	470	37	77.36	5.63	0.12
chr8	73196626	73197886	1261	752	64	131.94	5.78	0.08

chr8	73222083	73225182	3100	799	204	257.2	7.39	0
chr8	73299940	73302350	2411	635	150	350.02	8.36	0
chr8	73315752	73316917	1166	502	61	93.23	5.09	0.07
chr8	73320582	73321544	963	763	41	105.48	6.25	0.06
chr8	73327685	73329264	1580	1159	55	96.88	4.97	0.08
chr8	73356839	73357763	925	377	46	190.79	10.18	0
chr8	73362523	73364137	1615	936	77	120.17	5.22	0.07
chr8	73396786	73398202	1417	592	78	194.66	9.65	0
chr8	73420921	73421979	1059	569	47	97.62	5.5	0.08
chr8	73795888	73797538	1651	648	72	130.5	5.29	0.08
chr8	73890515	73891954	1440	754	73	97.76	4.27	0.08
chr8	73894810	73895955	1146	693	68	177.34	6.82	0.07
chr8	73904889	73906416	1528	454	62	95.44	4.2	0.08
chr8	73988121	73989243	1123	623	44	71.66	4.67	0.15
chr8	73992507	73993636	1130	624	67	162.01	10.88	0.11
chr8	74060957	74062344	1388	425	56	71.35	5.39	0.15
chr8	74115104	74116906	1803	985	103	189.85	8.34	0
chr8	74134656	74135683	1028	505	47	127.42	10.79	0.07
chr8	74200078	74201008	931	453	35	82.14	6.07	0.1
chr8	74659116	74660443	1328	754	58	174.38	5.84	0.07
chr8	74684147	74685772	1626	786	106	169.81	5.33	0.06
chr8	74842369	74843430	1062	580	45	73.53	4.62	0.13
chr8	74967194	74968143	950	451	39	78.94	6.07	0.1
chr8	74998400	74999654	1255	685	61	118.67	6.07	0.07
chr8	75016097	75017192	1096	544	70	210.07	13.69	0
chr8	75071683	75072960	1278	756	54	147.92	7.24	0.1
chr8	75094430	75096201	1772	438	90	124.45	5.55	0.07
chr8	77617208	77618151	944	471	42	84.08	6.22	0.06
chr8	81032646	81033715	1070	897	39	100.77	5.01	0.08
chr8	81344462	81345377	916	369	40	78.5	4.98	0.12
chr8	81898215	81899463	1249	189	53	74.94	4.32	0.13
chr8	82162452	82164540	2089	542	99	140.53	5.64	0.09
chr8	82235046	82236111	1066	571	70	109.11	8.84	0.06
chr8	83538117	83539900	1784	937	90	220.2	7.42	0
chr8	85386759	85388282	1524	429	67	148.12	6.68	0.1
chr8	85688970	85690046	1077	583	49	93.73	6.59	0.07
chr8	85855855	85856884	1030	471	43	99.12	7.36	0.08
chr8	86117936	86118995	1060	550	44	88.84	7.08	0.07
chr8	86131402	86132954	1553	833	86	153.28	5.88	0.1
chr8	86175908	86176876	969	511	55	111.8	7.08	0.06
chr8	86222620	86223654	1035	574	46	125.12	8.73	0.07
chr8	86264738	86265972	1235	310	48	105.04	5.38	0.06
chr8	86512817	86513719	903	505	32	93.1	9.1	0.07
chr8	86520216	86521683	1468	519	56	167.98	9.22	0.06

chr8	86522185	86523279	1095	639	46	105.96	6.62	0.06
chr8	86528057	86529368	1312	722	63	196.66	8.52	0
chr8	86589826	86591895	2070	712	138	216.1	5.59	0
chr8	86715793	86716699	907	432	46	148.34	12.14	0.1
chr8	86721065	86723003	1939	1266	124	198.07	4.65	0
chr8	86724264	86728967	4704	3371	353	664.06	7.1	0
chr8	86733658	86734986	1329	818	56	98.44	4.65	0.08
chr8	86760643	86761900	1258	708	57	79.84	5.56	0.1
chr8	86793690	86794835	1146	688	53	152.22	8.09	0.1
chr8	86938220	86938923	704	310	25	88.09	6.99	0.07
chr8	87162732	87164151	1420	441	61	210.17	8.87	0
chr8	87184575	87187221	2647	1058	152	288.67	7.84	0
chr8	87187540	87188570	1031	533	43	94.88	9.27	0.07
chr8	87188667	87189544	878	400	36	73.71	6.41	0.13
chr8	87224805	87225981	1177	499	55	86.54	4.96	0.07
chr8	87228678	87230190	1513	774	93	305.61	11.81	0
chr8	87355665	87356750	1086	457	46	100.89	6.68	0.08
chr8	87363869	87365218	1350	841	75	118.08	5.39	0.07
chr8	87370255	87371834	1580	499	96	186.74	6.42	0
chr8	87380483	87381436	954	588	42	92.78	6.41	0.07
chr8	87432114	87433156	1043	522	44	96.55	5.98	0.08
chr8	87492282	87493777	1496	1153	69	164.8	7.48	0.06
chr8	87499217	87505668	6452	3389	465	1368.97	13.87	0
chr8	87508961	87510381	1421	799	74	72.22	4.14	0.15
chr8	87513547	87514950	1404	824	66	81.76	5.32	0.1
chr8	87548775	87550092	1318	872	50	80.71	4.21	0.1
chr8	87550212	87551765	1554	592	77	158.67	5.69	0.11
chr8	87559683	87561364	1682	1290	77	216.41	8.66	0
chr8	87595128	87596512	1385	812	63	87.59	5.31	0.07
chr8	87606792	87607935	1144	429	61	142.25	8.69	0.09
chr8	87956468	87957227	760	394	36	117.29	9.37	0.07
chr8	88364189	88365351	1163	424	54	111.1	7.16	0.06
chr8	89269312	89270495	1184	788	42	88.53	5.26	0.07
chr8	90722552	90723545	994	655	46	119.04	6.95	0.07
chr8	90885322	90886301	980	525	39	130.62	9.46	0.08
chr8	91158904	91160074	1171	466	44	82.09	4.39	0.1
chr8	93399972	93401720	1749	1213	79	101.6	5.71	0.08
chr8	93431620	93432844	1225	470	54	146.35	6.47	0.09
chr8	93593697	93595214	1518	699	78	187.1	6.14	0
chr8	93657502	93658629	1128	495	54	84.1	4.8	0.06
chr8	96560647	96561692	1046	570	44	130.45	7.64	0.08
chr8	97056459	97057408	950	487	35	70.9	6.31	0.16
chr8	97124983	97126278	1296	953	63	115.77	5.3	0.07
chr8	97227220	97228405	1186	731	55	157.88	8.5	0.11

chr8	97361827	97362977	1151	511	60	198.33	9.79	0
chr8	97603837	97604940	1104	616	45	82.88	5.18	0.11
chr8	97855339	97856715	1377	493	61	170.38	7.51	0.06
chr8	98330930	98332364	1435	1089	81	257.31	10.49	0
chr8	98412083	98412883	801	331	28	87.99	8.63	0.07
chr8	106863744	106865849	2106	565	101	193.92	5.99	0
chr8	106966356	106967297	942	531	41	89.47	7.08	0.07
chr8	107057902	107058743	842	522	38	116.74	10.22	0.07
chr8	107165140	107166087	948	449	41	79	6.53	0.1
chr8	107695157	107695996	840	435	29	83.16	6.57	0.08
chr8	107748639	107749569	931	344	44	77.05	6.74	0.12
chr8	107871400	107872274	875	487	31	75.01	9.09	0.13
chr8	108128586	108129640	1055	323	53	186.03	10.79	0
chr8	108159301	108161412	2112	1096	97	234.03	8.46	0
chr8	108350752	108351803	1052	392	47	83.13	5.2	0.11
chr8	108378597	108379690	1094	433	52	84.91	6.79	0.06
chr8	108423916	108424983	1068	430	65	194.25	11.65	0
chr8	108514467	108515999	1533	483	71	75.11	4.37	0.13
chr8	108582546	108583805	1260	652	67	162.07	7.47	0.11
chr8	108692169	108693172	1004	447	38	77.89	6.62	0.12
chr8	108733908	108735497	1590	997	73	169.76	7.74	0.06
chr8	108861434	108862852	1419	520	62	107.99	4.79	0.06
chr8	108938773	108940068	1296	527	62	131.02	7.47	0.08
chr8	109416674	109417854	1181	909	40	124.03	6.57	0.07
chr8	109459150	109460194	1045	563	48	185.75	11.33	0
chr8	109554697	109555615	919	548	49	142.27	9.5	0.09
chr8	109571698	109573051	1354	722	77	137.99	5.71	0.09
chr8	109619775	109620836	1062	596	45	99.04	6.68	0.08
chr8	109674046	109675092	1047	530	46	126.35	8.9	0.07
chr8	109816672	109817800	1129	571	49	124.06	6.55	0.07
chr8	109959747	109961031	1285	469	60	193.36	8.99	0
chr8	110111640	110112642	1003	708	55	147.92	8.09	0.1
chr8	111238353	111239093	741	309	25	83.62	8.74	0.06
chr8	111271920	111272903	984	540	35	87	6.71	0.07
chr8	112089104	112090320	1217	555	58	100.02	5.3	0.08
chr8	112216522	112217896	1375	825	81	182.64	7.01	0
chr8	112228768	112229815	1048	651	42	91.89	5.15	0.07
chr8	112260844	112261925	1082	789	57	187.46	10.52	0
chr8	112302055	112303485	1431	742	67	191.08	6.07	0
chr8	112391808	112392716	909	582	40	99.7	6.62	0.08
chr8	113370077	113371594	1518	788	84	209.84	8.71	0
chr8	113493762	113494720	959	439	35	73.8	6.93	0.13
chr8	113551120	113552258	1139	547	47	99.1	5.98	0.08
chr8	113782109	113783845	1737	979	93	155.86	6.62	0.11

chr8	113823036	113824577	1542	1245	66	149.23	5.87	0.1
chr8	114167225	114168224	1000	524	54	92.92	7.14	0.07
chr8	114399906	114401001	1096	423	53	213.16	14.02	0
chr8	114464263	114465060	798	391	29	71.87	5.54	0.15
chr8	116158789	116160194	1406	835	64	118.45	5.69	0.07
chr8	116657155	116658035	881	466	32	95.72	8.6	0.08
chr8	118230134	118232623	2490	1128	152	562.26	9.54	0
chr8	119256291	119257193	903	568	35	114.8	8.87	0.06
chr8	119681125	119682391	1267	699	65	122.74	6.2	0.07
chr8	119779621	119780703	1083	566	42	78.13	4.76	0.12
chr8	120021901	120022767	867	322	53	223.18	12.59	0
chr8	121918133	121919134	1002	669	56	133.61	6.93	0.08
chr8	121960451	121961648	1198	698	49	95.34	5.39	0.07
chr8	122081831	122083315	1485	507	73	144.67	5.86	0.09
chr8	122098328	122099510	1183	756	51	135.38	8.9	0.08
chr8	122301699	122302676	978	507	41	79.96	6.15	0.1
chr8	122336639	122337457	819	474	32	80.09	5.66	0.1
chr8	122363083	122365079	1997	1347	129	200.36	8.09	0
chr8	123010567	123012098	1532	485	73	127.88	5.3	0.08
chr8	123059909	123064481	4573	3363	236	250.59	4.77	0
chr8	123191599	123192682	1084	638	47	89.03	5.6	0.07
chr8	123259723	123261580	1858	573	102	274.86	12.14	0
chr8	123631800	123632955	1156	630	53	76.71	6.32	0.12
chr8	124109057	124109959	903	246	47	120.67	6.15	0.07
chr8	124113771	124114886	1116	676	49	135.14	8.58	0.08
chr8	124176593	124177405	813	379	37	129.24	9.99	0.08
chr8	124353005	124354078	1074	501	57	109.48	6.26	0.06
chr8	124473490	124474966	1477	532	84	112.63	4.65	0.06
chr8	124804778	124806201	1424	465	69	106.17	5.56	0.06
chr8	124953678	124955001	1324	754	64	71.25	4.26	0.15
chr8	124955318	124957294	1977	1479	136	285.05	7.64	0
chr8	124966790	124968633	1844	735	88	114.51	4.76	0.06
chr8	124999492	125000676	1185	544	96	466.66	26.13	0
chr8	125074656	125075989	1334	520	59	149.93	7.71	0.1
chr8	125079998	125081276	1279	660	64	116.5	5.39	0.07
chr8	125134761	125135931	1171	566	55	73.99	4.52	0.13
chr8	125564529	125565529	1001	555	42	129.6	6.51	0.08
chr8	125565717	125566986	1270	831	77	166.01	8.09	0.06
chr8	125588591	125590123	1533	800	74	147.35	5.39	0.1
chr8	125625837	125626749	913	369	57	211.47	9.63	0
chr8	125748249	125749424	1176	521	50	71.63	5.39	0.15
chr8	125897055	125898813	1759	635	92	148.63	5.15	0.1
chr8	126329508	126330483	976	472	41	148.01	10.79	0.1
chr8	126382943	126383977	1035	494	42	128.17	9.04	0.08

chr8	126472551	126473651	1101	664	87	277.5	13.75	0
chr8	126506428	126507469	1042	547	50	159.21	9.37	0.11
chr8	127044252	127045326	1075	480	53	91.64	6.26	0.07
chr8	127245468	127246598	1131	408	44	70.82	4.36	0.16
chr8	127473174	127473992	819	371	32	90.97	8.54	0.07
chr8	128998409	128999282	874	513	32	90.14	7.61	0.07
chr8	129107137	129109186	2050	1212	90	171.42	7.12	0.06
chr8	129111322	129113558	2237	1393	115	273.43	5.9	0
chr8	129113598	129117529	3932	1849	234	521.63	8.01	0
chr8	129117686	129120783	3098	341	202	375.22	7.19	0
chr8	129392295	129393967	1673	1308	66	92.75	5.59	0.07
chr8	129964687	129965703	1017	531	39	96.75	6.71	0.08
chr8	130880793	130881831	1039	488	43	114.97	8.34	0.06
chr8	130882191	130883800	1610	558	68	166	8.48	0.06
chr8	131208811	131210232	1422	773	73	285.84	10.62	0
chr9	3001946	3003190	1245	194	143	74.53	3.66	0.13
chr9	3403455	3404409	955	429	36	104.85	7.73	0.06
chr9	7836636	7837958	1323	242	69	120.05	5.06	0.07
chr9	7872475	7873508	1034	394	55	135.72	7.78	0.08
chr9	13269350	13270052	703	435	26	80.34	7.94	0.1
chr9	13553225	13554405	1181	521	57	227.56	10.25	0
chr9	13630850	13632846	1997	1256	119	242.25	7.08	0
chr9	14184830	14185828	999	550	52	219.62	12.69	0
chr9	14304694	14305644	951	427	42	104.49	8.09	0.06
chr9	14849332	14850641	1310	501	51	91.49	5.06	0.07
chr9	15083730	15084862	1133	717	58	77.6	4.81	0.12
chr9	15110234	15111288	1055	455	45	88.77	7.12	0.07
chr9	20189113	20190170	1058	508	46	73.73	6.42	0.13
chr9	20263864	20264796	933	436	35	87.51	7.66	0.07
chr9	20296671	20297663	993	513	43	131.99	10.34	0.08
chr9	20411242	20412534	1293	428	62	111.74	5.3	0.06
chr9	20455783	20457068	1286	776	69	131.84	6	0.08
chr9	20806719	20807970	1252	597	83	245.95	11.09	0
chr9	20819415	20820840	1426	1052	55	76.9	5.03	0.12
chr9	20877340	20878456	1117	623	67	215.25	8.79	0
chr9	20895799	20896898	1100	516	62	128.82	6	0.08
chr9	20935018	20936187	1170	947	50	76.49	4.18	0.12
chr9	20971959	20973290	1332	838	57	103.06	5.6	0.06
chr9	21042647	21044182	1536	719	91	282.63	8.44	0
chr9	21069229	21070352	1124	581	61	126.05	9.17	0.07
chr9	21313977	21315353	1377	695	75	185.26	7.78	0
chr9	21350211	21351874	1664	620	73	150.32	5.39	0.1
chr9	21396681	21397839	1159	512	51	92.16	4.79	0.07
chr9	21419776	21421430	1655	445	87	276.88	8.9	0

chr9	21527402	21529352	1951	1404	99	150.59	7.11	0.1
chr9	21875322	21876356	1035	632	53	131.51	7.44	0.08
chr9	21889127	21890308	1182	295	45	79.39	4.38	0.1
chr9	21969029	21969992	964	549	38	113.68	7.14	0.06
chr9	22131969	22133022	1054	242	52	95.05	4.58	0.07
chr9	22193237	22194292	1056	454	52	179.21	11.24	0
chr9	22215567	22216220	654	222	25	94.63	7.57	0.07
chr9	25059108	25061123	2016	936	115	328.03	9.44	0
chr9	26837097	26838569	1473	553	70	116.07	5.39	0.07
chr9	30837245	30838582	1338	700	80	252.96	9.85	0
chr9	31087222	31088989	1768	1051	85	205.16	6.63	0
chr9	31193223	31194204	982	488	45	146.06	9.89	0.09
chr9	32323490	32324764	1275	272	55	101.87	4.69	0.05
chr9	32347453	32349432	1980	1362	110	335.56	8.94	0
chr9	35017930	35019292	1363	874	89	164.12	6.6	0.06
chr9	35112351	35113329	979	641	441	207.01	4.81	0
chr9	35377099	35378167	1069	500	44	77.66	4.36	0.12
chr9	36574767	36576503	1737	525	83	77.09	3.64	0.12
chr9	37035007	37036477	1471	447	55	74.33	3.9	0.13
chr9	37062063	37063615	1553	1086	66	123.29	5.18	0.07
chr9	37155651	37156517	867	389	41	89.83	5.91	0.07
chr9	37296376	37297267	892	349	37	97.54	8.5	0.08
chr9	40262637	40263822	1186	699	51	83.74	5.2	0.06
chr9	40589977	40590926	950	496	34	70.07	6.55	0.16
chr9	40608251	40610230	1980	774	110	166.83	5.62	0.06
chr9	40964810	40965967	1158	342	42	104.98	5.84	0.06
chr9	41758714	41759734	1021	503	41	102.35	6.88	0.05
chr9	42071983	42072877	895	333	30	76.79	7.61	0.12
chr9	44041288	44043190	1903	609	97	215.26	7.16	0
chr9	44075790	44076695	906	433	32	95.44	9.34	0.08
chr9	44113286	44114379	1094	541	53	84.47	4.55	0.06
chr9	44134233	44135484	1252	679	56	102.52	5.39	0.06
chr9	44142156	44143336	1181	648	80	313.08	15.8	0
chr9	44187089	44188075	987	320	42	74.17	4.79	0.13
chr9	44214638	44216284	1647	962	73	161.89	6.68	0.11
chr9	44322965	44323867	903	437	31	70.46	7.24	0.16
chr9	44411258	44413929	2672	2085	142	319.79	6.89	0
chr9	44575277	44576309	1033	611	44	170.61	10.4	0.06
chr9	44580519	44581454	936	514	35	81.56	9.3	0.1
chr9	44689174	44690243	1070	678	46	167.87	10.79	0.06
chr9	44728286	44729479	1194	626	56	98.72	5.58	0.08
chr9	44773090	44774140	1051	636	56	119.45	8.37	0.07
chr9	44794158	44795080	923	462	34	83.45	6.39	0.06
chr9	45055483	45056583	1101	567	46	82.55	6.53	0.11

chr9	45074282	45077755	3474	2952	167	247.97	6.26	0
chr9	45713769	45715454	1686	1273	85	178.02	7.49	0.07
chr9	45762509	45763406	898	383	32	76	6.39	0.14
chr9	45792469	45793430	962	479	38	130.14	11.87	0.08
chr9	45820890	45821930	1041	233	38	98.43	5	0.08
chr9	46080746	46081801	1056	568	53	134.99	8.76	0.08
chr9	47337876	47339045	1170	569	50	158.42	7.61	0.11
chr9	48302680	48304423	1744	388	88	253.49	8.09	0
chr9	48792624	48794134	1511	564	89	158.86	6.7	0.11
chr9	48863165	48864235	1071	482	43	113.66	8.09	0.06
chr9	50335761	50337252	1492	954	70	127.05	6.93	0.07
chr9	50575731	50576934	1204	544	72	200.01	9.02	0
chr9	50583168	50584205	1038	194	41	82.18	4.2	0.1
chr9	50816508	50817235	728	494	28	97.21	7.01	0.08
chr9	53055813	53056704	892	481	32	70.74	6.01	0.16
chr9	53191832	53192893	1062	558	50	105.94	6.53	0.06
chr9	53474778	53476009	1232	553	68	149.24	6.97	0.1
chr9	54581967	54582836	870	509	39	105.68	6.93	0.06
chr9	55056258	55057160	903	433	36	133.99	10.4	0.08
chr9	55785365	55786209	845	651	32	76.95	5.66	0.12
chr9	55889184	55890295	1112	524	50	131.93	7.32	0.08
chr9	56265069	56267210	2142	931	110	244.53	6.85	0
chr9	56775535	56776648	1114	440	50	166.79	7.61	0.06
chr9	56842446	56843719	1274	979	49	113.04	6.47	0.06
chr9	56920542	56922367	1826	1071	107	257.35	5.78	0
chr9	56922921	56924629	1709	1131	83	174.27	7.47	0.07
chr9	56978093	56979418	1326	895	72	81.45	4.24	0.1
chr9	56995423	56996710	1288	523	62	95.61	5.31	0.08
chr9	57108993	57111095	2103	459	88	70.75	4.15	0.16
chr9	57287391	57288400	1010	541	44	89.81	7.44	0.07
chr9	57384911	57386170	1260	522	62	198.92	10.22	0
chr9	57492686	57493915	1230	737	69	216.99	10.71	0
chr9	57556098	57556924	827	288	30	72.03	7.53	0.15
chr9	57611790	57613995	2206	1237	120	316.92	9.78	0
chr9	57684243	57685313	1071	689	41	90.11	5.78	0.07
chr9	57758123	57759229	1107	674	64	189.26	7.08	0
chr9	58428573	58429379	807	316	33	100.21	7.77	0.08
chr9	59329734	59330630	897	514	31	76.3	5.84	0.12
chr9	59333322	59335286	1965	1086	112	132.85	5.97	0.08
chr9	59386713	59390213	3501	835	203	367.93	9.56	0
chr9	59464382	59465955	1574	463	68	115.02	5.39	0.06
chr9	59503500	59505951	2452	547	140	277.79	7.83	0
chr9	59598183	59599829	1647	1144	63	77.4	4.85	0.12
chr9	61218851	61221135	2285	549	101	203.74	5.71	0

chr9	61761599	61763109	1511	744	71	170.62	6.33	0.06
chr9	61794246	61795110	865	455	32	85.27	6.29	0.07
chr9	61969891	61971017	1127	514	48	78.29	5.49	0.12
chr9	62190186	62192779	2594	1235	168	564.11	9.25	0
chr9	62658986	62661178	2193	939	94	171.95	5.5	0.06
chr9	62827889	62829020	1132	778	55	186.07	10.79	0
chr9	63225151	63226141	991	458	43	82.64	6.22	0.11
chr9	63246306	63247765	1460	578	77	164.65	6.07	0.06
chr9	63605287	63606619	1333	839	59	159.29	7.69	0.11
chr9	63870175	63871305	1131	660	48	98.86	5.39	0.08
chr9	64026555	64027717	1163	587	64	116.45	8.09	0.07
chr9	64100316	64101870	1555	1036	73	94.14	5	0.07
chr9	64187894	64189446	1553	679	88	273.85	7.72	0
chr9	64585017	64586370	1354	828	86	204.24	7.83	0
chr9	64658791	64659668	878	420	34	94.79	7.19	0.07
chr9	64808260	64809179	920	484	41	82.58	6.22	0.11
chr9	65043200	65044962	1763	1181	92	251.14	6.06	0
chr9	65048916	65049873	958	457	31	89.93	9.32	0.07
chr9	65193410	65194927	1518	416	64	161.57	7.28	0.11
chr9	65393122	65394770	1649	547	80	108.61	5.24	0.06
chr9	65408047	65409403	1357	965	47	94.71	5.89	0.07
chr9	65426071	65429300	3230	1685	187	363.09	7.69	0
chr9	65732453	65733366	914	422	44	108.69	8.09	0.06
chr9	65971830	65973093	1264	813	55	85.86	5.3	0.07
chr9	66359205	66360341	1137	512	57	100.23	7.31	0.08
chr9	66440238	66441619	1382	501	77	237.31	9.93	0
chr9	66678370	66679763	1394	468	54	145.42	7.57	0.09
chr9	66680827	66681747	921	473	42	131.96	7.83	0.08
chr9	66682112	66683256	1145	550	57	128.44	7.16	0.08
chr9	66734172	66735346	1175	645	50	91.21	5.91	0.07
chr9	66766199	66767986	1788	503	93	202.07	6.89	0
chr9	66793232	66794528	1297	498	68	194.06	7.24	0
chr9	66822494	66823558	1065	561	45	98.65	4.92	0.08
chr9	66891028	66892145	1118	532	44	134.35	6.91	0.08
chr9	69245328	69246347	1020	486	45	110.81	8.46	0.06
chr9	69836824	69837928	1105	542	55	91.8	6.79	0.07
chr9	69859776	69860910	1135	558	53	116.42	8.74	0.07
chr9	70350174	70352208	2035	1394	103	253.63	8.74	0
chr9	70503874	70505665	1792	1085	86	197.22	7.44	0
chr9	70526093	70527435	1343	861	60	108.69	5.99	0.06
chr9	71333085	71334231	1147	759	48	123.7	6.07	0.07
chr9	71959175	71960077	903	403	35	70.6	7.74	0.16
chr9	71980471	71981693	1223	675	56	133.16	8.44	0.08
chr9	72122208	72123114	907	478	37	95.56	10.11	0.08

chr9	72960765	72961576	812	437	33	86.31	6.88	0.07
chr9	74799552	74801182	1631	1119	78	97.7	5.09	0.08
chr9	74885240	74886037	798	446	27	89.45	7.57	0.07
chr9	74918474	74920550	2077	1507	101	187.37	6.07	0
chr9	75256624	75258652	2029	1319	120	303.86	10.49	0
chr9	77758024	77759259	1236	367	63	232.55	9.94	0
chr9	77764583	77765563	981	542	47	78.96	6.26	0.1
chr9	77960727	77961555	829	402	29	73.33	7.19	0.13
chr9	78023338	78024439	1102	429	46	82.43	5.29	0.11
chr9	78324347	78325572	1226	242	46	84.51	4.57	0.06
chr9	78328240	78330023	1784	1240	137	384.76	9.61	0
chr9	78435374	78436788	1415	416	61	132.52	5.63	0.08
chr9	82867703	82868385	683	433	25	73.38	6.19	0.13
chr9	82868640	82869978	1339	880	67	134.66	8.09	0.08
chr9	83818239	83819013	775	367	30	90.92	8.57	0.07
chr9	85219870	85221828	1959	1170	100	240.14	7.26	0
chr9	85641926	85643822	1897	1245	94	201.04	5.6	0
chr9	86916497	86917464	968	470	51	145.46	8.44	0.09
chr9	88333420	88334585	1166	398	56	92.05	6	0.07
chr9	88417257	88418578	1322	418	49	115.2	7.66	0.06
chr9	89948809	89950079	1271	592	73	146.39	6.32	0.09
chr9	90008038	90010146	2109	780	137	484.71	11.5	0
chr9	92144701	92145774	1074	526	43	120.81	8.09	0.07
chr9	94437738	94439537	1800	839	67	167	6.37	0.06
chr9	95757567	95758570	1004	545	39	77.49	6.33	0.12
chr9	95854723	95855688	966	495	46	184.66	11.33	0
chr9	96263683	96264451	769	517	33	124.66	11.87	0.07
chr9	96337891	96338996	1106	552	44	107.53	7.69	0.06
chr9	96378680	96379418	739	484	40	158.2	11.04	0.11
chr9	96531344	96532200	857	595	40	86.38	6.53	0.07
chr9	96619578	96620717	1140	808	50	157.91	7.86	0.11
chr9	98196850	98198309	1460	993	59	133.36	6.16	0.08
chr9	98463680	98464655	976	538	47	109.23	6.15	0.06
chr9	99475920	99476640	721	347	30	72.03	6.93	0.15
chr9	100542841	100544352	1512	748	101	298.25	8.39	0
chr9	100544400	100545291	892	339	37	90.14	5.32	0.07
chr9	100977502	100979294	1793	500	79	73.38	4.81	0.13
chr9	102527923	102529162	1240	815	65	109.22	5.15	0.06
chr9	103206886	103207905	1020	511	40	126.34	11.63	0.07
chr9	103267551	103268734	1184	834	55	101.15	4.91	0.08
chr9	103964990	103965990	1001	330	40	106.11	7.24	0.06
chr9	104164279	104165926	1648	1129	69	142.02	6.68	0.09
chr9	105396772	105398185	1414	821	83	269.15	8.83	0
chr9	106072490	106073854	1365	764	62	91.28	4.7	0.07

chr9	106149835	106150874	1040	358	49	137.01	8.48	0.08
chr9	106269535	106271831	2297	522	106	112.03	4.05	0.06
chr9	106331350	106332291	942	456	35	86.46	5.96	0.07
chr9	106378741	106380003	1263	842	52	93.29	5.43	0.07
chr9	106587162	106588395	1234	897	49	134.31	8.54	0.08
chr9	106690990	106691918	929	460	39	132.67	12.14	0.08
chr9	106723984	106725039	1056	198	63	221.93	8.48	0
chr9	106793828	106795070	1243	513	62	91.48	5.47	0.07
chr9	107455900	107458219	2320	1213	145	210.68	6.31	0
chr9	107465117	107466243	1127	453	60	179.32	9.19	0
chr9	107470805	107471772	968	411	37	73.83	6.42	0.13
chr9	107482494	107484016	1523	511	79	173.25	8.69	0.07
chr9	107535179	107536766	1588	460	66	122.44	6.26	0.07
chr9	107537048	107538411	1364	538	89	319.87	12.87	0
chr9	107542199	107543606	1408	571	84	112.43	5.59	0.06
chr9	107546525	107547392	868	535	34	88.94	7.16	0.07
chr9	107672393	107673866	1474	1024	67	116.22	5.78	0.07
chr9	107774494	107775700	1207	484	61	180.93	8.86	0
chr9	107904570	107905786	1217	519	55	103.93	6.85	0.06
chr9	107951034	107952172	1139	553	72	165.32	10.62	0.06
chr9	107996361	107997282	922	603	40	77.74	5.6	0.12
chr9	108165734	108166804	1071	570	46	81.24	5.69	0.1
chr9	108240928	108245012	4085	711	256	408.95	8.51	0
chr9	108362487	108363518	1032	405	54	151.92	8.09	0.1
chr9	108392399	108393710	1312	594	78	156.29	6.62	0.11
chr9	108409585	108411310	1726	811	83	110.33	3.57	0.06
chr9	108418592	108420597	2006	513	84	201.26	6.62	0
chr9	108461960	108462987	1028	828	50	94.7	6.42	0.07
chr9	108468822	108470894	2073	988	125	258.06	7.33	0
chr9	108550672	108552632	1961	1039	101	215.16	6.59	0
chr9	108755823	108757343	1521	624	74	175.41	6.74	0.07
chr9	108940649	108941503	855	408	46	149.56	10.76	0.1
chr9	108959968	108962625	2658	1750	123	108.43	5.64	0.06
chr9	109833595	109834687	1093	413	53	143.92	6.62	0.09
chr9	110034183	110034949	767	432	35	99.08	6.21	0.08
chr9	110207222	110208454	1233	417	59	95.7	6.26	0.08
chr9	110378693	110380107	1415	463	92	148.56	6.31	0.1
chr9	110434332	110435669	1338	519	66	199.86	10.11	0
chr9	110580504	110581535	1032	798	39	109.34	5.17	0.06
chr9	110782326	110783228	903	513	33	70.43	6.16	0.16
chr9	111173407	111174861	1455	1038	72	70.03	4.34	0.16
chr9	113616548	113617872	1325	780	60	192.35	8.09	0
chr9	113649872	113650979	1108	556	55	170.34	9.3	0.06
chr9	113839359	113840499	1141	715	50	162.69	8.09	0.12

chr9	114309482	114310925	1444	759	73	126.34	5.74	0.07
chr9	114409222	114409851	630	362	22	77.31	6.93	0.12
chr9	114639765	114640841	1077	522	53	86.73	5.82	0.07
chr9	114661702	114662791	1090	397	62	130.51	8.09	0.08
chr9	114689941	114691656	1716	490	111	287.02	7.77	0
chr9	114842406	114843582	1177	587	59	140.83	8.09	0.09
chr9	115218681	115220581	1901	496	95	241.48	7.04	0
chr9	116083539	116084893	1355	852	54	99.69	6.07	0.08
chr9	117949036	117950528	1493	991	73	186.41	7.46	0
chr9	118997235	118998202	968	491	38	73.39	6.81	0.13
chr9	119231130	119232698	1569	449	103	120.01	4.95	0.07
chr9	119249729	119250786	1058	472	48	133.13	7.54	0.08
chr9	119310690	119311969	1280	830	51	146.37	6.55	0.09
chr9	119803343	119804431	1089	582	46	94.65	8.76	0.07
chr9	119945997	119946972	976	424	37	95.47	5.65	0.08
chr9	120401141	120402251	1111	642	45	142.35	9.43	0.09
chr9	120480006	120481166	1161	688	51	97.41	5.6	0.08
chr9	120842076	120843131	1056	564	47	142.88	11.81	0.09
chr9	121222837	121224515	1679	501	70	80.81	4.05	0.1
chr9	121613564	121614559	996	419	41	82.66	5.73	0.11
chr9	121627461	121629098	1638	542	73	70.52	4.59	0.16
chr9	121766233	121767759	1527	969	87	222.76	7.1	0
chr9	122774530	122775387	858	489	37	115.13	9.44	0.06
chr9	122859451	122860594	1144	680	49	101.97	6.74	0.05
chr9	122930139	122930767	629	449	26	95.51	9.05	0.08
chr9	123021829	123022855	1027	487	55	88.77	8.32	0.07
chr9	123387460	123388432	973	518	37	92.11	7.59	0.07
chr9	123437655	123439791	2137	961	123	315.17	9.34	0
chr9	123759868	123762077	2210	1157	99	171.15	4.79	0.06
chrX	7225661	7226561	901	481	28	84.14	8.74	0.06
chrX	7305164	7305945	782	452	31	116.37	10.35	0.07
chrX	7339355	7340376	1022	415	42	138.62	8.6	0.09
chrX	7340481	7341547	1067	189	40	137.93	6.91	0.09
chrX	7418040	7419370	1331	312	52	82.06	4.67	0.1
chrX	7673805	7674419	615	291	21	73.36	7.57	0.13
chrX	7722014	7723258	1245	437	51	127.08	7.69	0.07
chrX	12164227	12165266	1040	431	41	82.58	5.98	0.11
chrX	12250180	12251133	954	533	35	97.52	8.09	0.08
chrX	12338648	12339508	861	378	30	100.83	7.57	0.08
chrX	12618910	12619602	693	263	22	70.63	8.16	0.16
chrX	12647758	12649677	1920	846	90	300.53	8.57	0
chrX	12857325	12858747	1423	892	72	264.98	12.95	0
chrX	13423427	13424252	826	361	32	118.46	8.74	0.07
chrX	17739041	17740862	1822	491	86	163.32	4.79	0.06

chrX	18744031	18744843	813	357	27	87.72	10.49	0.07
chrX	20281021	20282116	1096	674	49	198.07	10.49	0
chrX	20506698	20507670	973	590	37	127.47	8.43	0.07
chrX	34137644	34138589	946	430	34	115.96	9.32	0.07
chrX	35917569	35918255	687	489	22	71.29	6.41	0.15
chrX	39501595	39503155	1561	719	61	213.36	9.9	0
chrX	39504554	39505266	713	380	23	74.48	8.16	0.13
chrX	45806928	45807912	985	517	38	91.09	8.09	0.07
chrX	45866384	45867036	653	218	25	79.84	7.92	0.1
chrX	53708578	53709517	940	710	38	116.73	7.61	0.07
chrX	69061697	69062316	620	369	21	72.18	8.09	0.15
chrX	71160016	71160673	658	194	24	75.6	7.08	0.13
chrX	71166847	71167791	945	503	34	115.15	8.67	0.06
chrX	71211104	71213190	2087	725	89	252.07	7.64	0
chrX	71488744	71489459	716	465	26	92.35	9.25	0.07
chrX	71491306	71492230	925	415	29	86.74	14.45	0.07
chrX	71515674	71517164	1491	554	72	115.71	6.26	0.06
chrX	71527517	71528460	944	498	34	116.21	9.32	0.07
chrX	71542072	71542689	618	348	22	79.42	6.99	0.1
chrX	71557992	71558916	925	445	35	88.47	5.96	0.07
chrX	71613588	71614359	772	257	34	140.6	9.32	0.09
chrX	71618214	71619153	940	342	40	129.21	9.52	0.08
chrX	71673963	71675489	1527	471	58	91.81	5.83	0.07
chrX	91368070	91368893	824	425	30	98.96	8.16	0.08
chrX	91479952	91480916	965	429	36	125.57	9.25	0.07
chrX	92361444	92362094	651	432	24	88.33	6.99	0.07
chrX	93436656	93437425	770	365	29	105.86	8.16	0.06
chrX	96132059	96133683	1625	567	94	246.19	10.89	0
chrX	98417451	98418124	674	477	26	85.73	6.57	0.07
chrX	98624020	98624983	964	532	33	107.45	6.99	0.06
chrX	98834877	98835723	847	411	33	76.86	5.78	0.12
chrX	100816856	100817706	851	509	31	100.25	8.09	0.08
chrX	101175904	101176861	958	528	35	111.65	6.47	0.06
chrX	131076008	131076778	771	349	26	86.36	9.32	0.07
chrX	131543284	131544100	817	344	27	87.26	7.57	0.07
chrX	133275433	133276386	954	403	40	112.35	7.24	0.06
chrX	136144823	136145666	844	316	35	82.44	5.15	0.11
chrX	137076404	137078081	1678	1343	88	279.16	10.52	0
chrX	139115569	139116553	985	483	40	150.88	10.49	0.1
chrX	146912324	146912936	613	418	28	101.82	9.52	0.05
chrX	147954627	147955985	1359	1117	55	158.34	10.57	0.11
chrX	151646353	151647345	993	624	42	163.74	9.9	0.06
chrX	155692957	155694202	1246	283	40	102.82	7.55	0.06
chrX	157203697	157204440	744	357	24	70.88	10.25	0.16

chrX	162947809	162948678	870	323	34	79.11	5.39	0.1
chrX	163643241	163645436	2196	672	144	709.19	13.48	0
chrX	163645679	163648914	3236	1408	183	846.23	17.45	0