

chromoson	start	end	test	ref	position	log2	p.value	cnv
chr10	46550001	46650000		2	7 46600000	-1.61139	4.72E-58	22
chr10	46600001	46700000		3	8 46650000	-1.21907	5.55E-40	22
chr10	46650001	46750000		3	10 46700000	-1.541	6.69E-55	22
chr10	46700001	46800000		1	4 46750000	-1.80404	2.39E-66	22
chr10	46750001	46850000		0	1 46800000	#NAME?	3.67E-137	22
chr9	67800001	67900000		2	4 67850000	-0.80404	3.29E-21	21
chr9	67850001	67950000		2	5 67900000	-1.12597	1.27E-35	21
chr9	67900001	68000000		1	6 67950000	-2.389	7.64E-88	21
chr9	67950001	68050000		0	2 6.80E+07	#NAME?	3.67E-137	21
chr9	46500001	46600000		0	1 46550000	#NAME?	3.67E-137	20
chr9	46550001	46650000		0	1 46600000	#NAME?	3.67E-137	20
chr9	46600001	46700000		0	2 46650000	#NAME?	3.67E-137	20
chr9	46650001	46750000		0	2 46700000	#NAME?	3.67E-137	20
chr9	46700001	46800000		1	2 46750000	-0.80404	3.29E-21	20
chr9	46750001	46850000		1	2 46800000	-0.80404	3.29E-21	20
chr9	44350001	44450000		1	8 44400000	-2.80404	1.48E-99	19
chr9	44400001	44500000		5	14 44450000	-1.28946	2.77E-43	19
chr9	44450001	44550000		5	13 44500000	-1.18255	2.87E-38	19
chr9	44500001	44600000		1	3 44550000	-1.389	6.26E-48	19
chr9	44550001	44650000		0	3 44600000	#NAME?	3.67E-137	19
chr9	44600001	44700000		0	3 44650000	#NAME?	3.67E-137	19
chr9	44650001	44750000		6	14 44700000	-1.02643	5.11E-31	19
chr9	40200001	40300000		0	2 40250000	#NAME?	3.67E-137	18
chr9	40250001	40350000		5	11 40300000	-0.94154	3.57E-27	18
chr9	40300001	40400000		5	11 40350000	-0.94154	3.57E-27	18
chr9	40350001	40450000		0	1 40400000	#NAME?	3.67E-137	18
chr9	40400001	40500000		0	2 40450000	#NAME?	3.67E-137	18
chr9	40450001	40550000		1	3 40500000	-1.389	6.26E-48	18
chr9	46050001	46150000		3	2 46100000	0.780926	1.60E-21	17
chr9	46100001	46200000		5	3 46150000	0.932929	8.75E-29	17
chr9	46150001	46250000		2	1 46200000	1.195963	1.84E-42	17
chr9	46200001	46300000		2	1 46250000	1.195963	1.84E-42	17
chr15	30500001	30600000		2	14 30550000	-2.61139	1.81E-94	15
chr15	30550001	30650000		5	16 30600000	-1.48211	3.18E-52	15
chr15	30600001	30700000		10	19 30650000	-0.73004	3.48E-18	15
chr15	30650001	30750000		8	15 30700000	-0.71093	1.98E-17	15
chr15	30700001	30800000		7	13 30750000	-0.69712	6.85E-17	15
chr16	18300001	18400000		16	11 18350000	0.736531	1.55E-19	14
chr16	18350001	18450000		9	3 18400000	1.780926	4.68E-73	14
chr16	18450001	18550000		6	4 18500000	0.780926	1.60E-21	14
chr1	1.47E+08	1.48E+08		1	4 1.48E+08	-1.80404	2.39E-66	13
chr1	1.48E+08	1.48E+08		1	4 1.48E+08	-1.80404	2.39E-66	13
chr1	1.48E+08	1.48E+08		1	4 1.48E+08	-1.80404	2.39E-66	13
chr1	1.48E+08	1.48E+08		1	3 1.48E+08	-1.389	6.26E-48	13
chr1	13400001	13500000		2	1 13450000	1.195963	1.84E-42	12
chr1	13450001	13550000		2	1 13500000	1.195963	1.84E-42	12

chrY	23100001	23200000	0	1	23150000	#NAME?	3.67E-137	11
chrY	23150001	23250000	0	2	23200000	#NAME?	3.67E-137	11
chrY	23200001	23300000	0	1	23250000	#NAME?	3.67E-137	11
chrY	23250001	23350000	0	1	23300000	#NAME?	3.67E-137	11
chrY	23300001	23400000	0	1	23350000	#NAME?	3.67E-137	11
chrY	21550001	21650000	1	2	21600000	-0.80404	3.29E-21	10
chrY	21600001	21700000	0	1	21650000	#NAME?	3.67E-137	10
chrY	21650001	21750000	1	2	21700000	-0.80404	3.29E-21	10
chrY	21700001	21800000	1	3	21750000	-1.389	6.26E-48	10
chrY	21750001	21850000	0	2	21800000	#NAME?	3.67E-137	10
chrY	6750001	6850000	0	1	6800000	#NAME?	3.67E-137	9
chrY	6800001	6900000	0	1	6850000	#NAME?	3.67E-137	9
chrY	6850001	6950000	0	1	6900000	#NAME?	3.67E-137	9
chrY	6900001	7000000	0	1	6950000	#NAME?	3.67E-137	9
chrY	6450001	6550000	0	2	6500000	#NAME?	3.67E-137	8
chrY	6500001	6600000	1	3	6550000	-1.389	6.26E-48	8
chrY	6550001	6650000	1	4	6600000	-1.80404	2.39E-66	8
chrY	6600001	6700000	0	1	6650000	#NAME?	3.67E-137	8
chrY	5800001	5900000	0	1	5850000	#NAME?	3.67E-137	7
chrY	5850001	5950000	0	1	5900000	#NAME?	3.67E-137	7
chrY	5900001	6000000	1	2	5950000	-0.80404	3.29E-21	7
chrY	5950001	6050000	1	4	6.00E+06	-1.80404	2.39E-66	7
chrY	6000001	6100000	0	2	6050000	#NAME?	3.67E-137	7
chrY	5450001	5550000	1	2	5500000	-0.80404	3.29E-21	6
chrY	5500001	5600000	1	2	5550000	-0.80404	3.29E-21	6
chrY	5550001	5650000	2	4	5600000	-0.80404	3.29E-21	6
chrY	5600001	5700000	2	4	5650000	-0.80404	3.29E-21	6
chrY	14500001	14600000	4	2	14550000	1.195963	1.84E-42	4
chrY	14550001	14650000	3	2	14600000	0.780926	1.60E-21	4
chrY	4400001	4500000	2	1	4450000	1.195963	1.84E-42	2
chrY	4450001	4550000	4	1	4500000	2.195963	8.22E-92	2
chrY	4500001	4600000	3	1	4550000	1.780926	4.68E-73	2
chrY	4550001	4650000	2	1	4600000	1.195963	1.84E-42	2
chrY	4600001	4700000	2	1	4650000	1.195963	1.84E-42	2
chr7	74550001	74650000	1	4	74600000	-1.80404	2.39E-66	1
chr7	74600001	74700000	1	3	74650000	-1.389	6.26E-48	1
chr7	74650001	74750000	1	2	74700000	-0.80404	3.29E-21	1
chr7	74700001	74800000	0	1	74750000	#NAME?	3.67E-137	1
chr7	74750001	74850000	1	4	74800000	-1.80404	2.39E-66	1
chr7	74800001	74900000	2	5	74850000	-1.12597	1.27E-35	1
chr7	74850001	74950000	1	3	74900000	-1.389	6.26E-48	1
chr7	74900001	75000000	2	4	74950000	-0.80404	3.29E-21	1
chr1	1	100000	21	19	50000	0.340353	9.47E-06	0
chr1	100001	200000	1	4	150000	-1.80404	2.39E-66	0
chr1	150001	250000	0	2	2.00E+05	#NAME?	3.67E-137	0
chr1	200001	300000	3	3	250000	0.195963	0.006694	0
chr1	250001	350000	3	1	3.00E+05	1.780926	4.68E-73	0

chr1	450001	550000	3	2	5.00E+05	0.780926	1.60E-21	0
chr1	500001	600000	4	4	550000	0.195963	0.006694	0
chr1	550001	650000	4	4	6.00E+05	0.195963	0.006694	0
chr1	600001	700000	4	3	650000	0.611001	2.44E-14	0
chr1	800001	900000	1020	1020	850000	0.195963	0.006694	0
chr1	850001	950000	1226	1149	9.00E+05	0.289543	0.000133	0
chr1	900001	1000000	1231	1187	950000	0.248474	0.000866	0
chr1	1000001	1100000	1192	1158	1050000	0.237712	0.00136	0
chr1	1050001	1150000	1294	1136	1100000	0.383838	7.42E-07	0
chr1	1100001	1200000	1285	1177	1150000	0.322617	2.48E-05	0
chr1	1150001	1250000	1298	1212	1200000	0.294864	0.000103	0
chr1	1200001	1300000	1317	1270	1250000	0.24839	0.000869	0
chr1	1250001	1350000	1185	1105	1300000	0.296804	9.34E-05	0
chr1	1300001	1400000	969	886	1350000	0.325153	2.17E-05	0
chr1	1350001	1450000	751	712	1400000	0.272899	0.000293	0
chr1	1400001	1500000	750	724	1450000	0.246864	0.000928	0
chr1	1450001	1550000	948	935	1500000	0.215884	0.003227	0
chr1	1500001	1600000	831	774	1550000	0.298478	8.59E-05	0
chr1	1550001	1650000	561	512	1600000	0.32782	1.88E-05	0
chr1	1600001	1700000	473	461	1650000	0.233036	0.001646	0
chr1	1650001	1750000	491	472	1700000	0.252899	0.000716	0
chr1	1700001	1800000	383	380	1750000	0.207308	0.004449	0
chr1	1750001	1850000	734	701	1800000	0.262329	0.000473	0
chr1	1800001	1900000	1151	1140	1850000	0.209817	0.004054	0
chr1	1850001	1950000	1083	1087	1900000	0.190644	0.008056	0
chr1	2050001	2150000	1145	1116	2100000	0.232974	0.00165	0
chr1	2100001	2200000	1193	1143	2150000	0.257732	0.00058	0
chr1	2300001	2400000	1344	1261	2350000	0.287928	0.000144	0
chr1	2350001	2450000	1460	1378	2400000	0.279356	0.000217	0
chr1	2400001	2500000	1379	1318	2450000	0.261235	0.000497	0
chr1	2450001	2550000	1231	1161	2500000	0.280426	0.000206	0
chr1	2500001	2600000	1101	1082	2550000	0.221077	0.002644	0
chr1	2550001	2650000	652	656	2600000	0.187139	0.009083	0
chr1	2600001	2700000	242	224	2650000	0.307471	5.46E-05	0
chr1	2650001	2750000	706	699	2700000	0.210339	0.003976	0
chr1	3100001	3200000	1218	1219	3150000	0.194779	0.006978	0
chr1	3150001	3250000	1274	1222	3200000	0.256084	0.000624	0
chr1	3200001	3300000	1285	1277	3250000	0.204973	0.004846	0
chr1	3250001	3350000	1386	1362	3300000	0.221164	0.002635	0
chr1	3300001	3400000	1363	1330	3350000	0.231322	0.001764	0
chr1	3350001	3450000	1322	1325	3400000	0.192693	0.007505	0
chr1	3400001	3500000	1394	1354	3450000	0.237966	0.001346	0
chr1	3450001	3550000	1367	1273	3500000	0.298744	8.48E-05	0
chr1	3500001	3600000	1274	1229	3550000	0.247843	0.00089	0
chr1	3550001	3650000	1273	1267	3600000	0.202779	0.005248	0
chr1	3600001	3700000	1246	1223	3650000	0.222843	0.002468	0
chr1	3750001	3850000	999	1005	3800000	0.187324	0.009026	0

chr1	3800001	3900000	499	492	3850000	0.216345	0.003171	0
chr1	3900001	4000000	48	47	3950000	0.226337	0.002152	0
chr1	5100001	5200000	617	842	5150000	-0.25259	0.000825	0
chr1	6200001	6300000	1117	1118	6250000	0.194672	0.007004	0
chr1	6250001	6350000	1135	1134	6300000	0.197235	0.0064	0
chr1	6400001	6500000	934	884	6450000	0.275339	0.000262	0
chr1	6450001	6550000	950	957	6500000	0.185372	0.009643	0
chr1	6550001	6650000	1079	1014	6600000	0.2856	0.000161	0
chr1	6600001	6700000	1071	1007	6650000	0.284858	0.000167	0
chr1	6650001	6750000	1038	1042	6700000	0.190414	0.00812	0
chr1	8000001	8100000	1004	985	8050000	0.223527	0.002403	0
chr1	8150001	8250000	954	949	8200000	0.203544	0.005105	0
chr1	8850001	8950000	980	962	8900000	0.222708	0.002481	0
chr1	8900001	9000000	928	916	8950000	0.21474	0.00337	0
chr1	8950001	9050000	932	903	9.00E+06	0.241567	0.001159	0
chr1	9200001	9300000	1015	995	9250000	0.224674	0.002297	0
chr1	9250001	9350000	1085	1089	9300000	0.190654	0.008054	0
chr1	9300001	9400000	1178	1148	9350000	0.23318	0.001636	0
chr1	9650001	9750000	1012	1006	9700000	0.204542	0.004923	0
chr1	9700001	9800000	1018	965	9750000	0.2731	0.00029	0
chr1	9750001	9850000	960	956	9800000	0.201987	0.005401	0
chr1	9950001	10050000	820	802	1.00E+07	0.227985	0.002016	0
chr1	10000001	10100000	768	772	10050000	0.188468	0.008681	0
chr1	10400001	10500000	935	925	10450000	0.211476	0.003811	0
chr1	10800001	10900000	1207	1199	10850000	0.205557	0.004744	0
chr1	11000001	11100000	886	886	11050000	0.195963	0.006694	0
chr1	11050001	11150000	864	822	11100000	0.267856	0.000369	0
chr1	11100001	11200000	922	895	11150000	0.238842	0.001298	0
chr1	11200001	11300000	903	890	11250000	0.216884	0.003107	0
chr1	11700001	11800000	1088	1072	11750000	0.217337	0.003053	0
chr1	11800001	11900000	1081	1078	11850000	0.199972	0.005806	0
chr1	11950001	12050000	977	918	1.20E+07	0.285827	0.000159	0
chr1	13000001	13100000	3	5	13050000	-0.541	2.84E-11	0
chr1	13050001	13150000	6	2	13100000	1.780926	4.68E-73	0
chr1	13200001	13300000	3	3	13250000	0.195963	0.006694	0
chr1	13300001	13400000	2	7	13350000	-1.61139	4.72E-58	0
chr1	13350001	13450000	2	7	13400000	-1.61139	4.72E-58	0
chr1	13650001	13750000	2	2	13700000	0.195963	0.006694	0
chr1	14050001	14150000	963	967	14100000	0.189983	0.008242	0
chr1	15600001	15700000	1318	1295	15650000	0.221361	0.002615	0
chr1	15800001	15900000	1175	1163	15850000	0.210773	0.003913	0
chr1	15850001	15950000	996	962	15900000	0.246072	0.000959	0
chr1	15900001	16000000	917	903	15950000	0.218159	0.002959	0
chr1	16050001	16150000	947	951	16100000	0.189882	0.00827	0
chr1	16100001	16200000	812	790	16150000	0.23559	0.001484	0
chr1	16150001	16250000	872	868	16200000	0.202596	0.005283	0
chr1	16400001	16500000	1127	1070	16450000	0.27084	0.000322	0



chr1	16450001	16550000	1142	1110	16500000	0.236966	0.001402	0
chr1	16850001	16950000	622	582	16900000	0.291858	0.000119	0
chr1	16900001	17000000	763	730	16950000	0.25975	0.000531	0
chr1	17100001	17200000	27	23	17150000	0.427289	4.52E-08	0
chr1	17550001	17650000	1138	1087	17600000	0.262112	0.000478	0
chr1	17600001	17700000	1022	990	17650000	0.241858	0.001145	0
chr1	17650001	17750000	1020	969	17700000	0.269964	0.000335	0
chr1	17700001	17800000	962	930	17750000	0.244769	0.001014	0
chr1	19500001	19600000	1026	1014	19550000	0.212936	0.003608	0
chr1	19800001	19900000	861	866	19850000	0.187609	0.008939	0
chr1	21050001	21150000	940	933	21100000	0.206747	0.004541	0
chr1	21500001	21600000	963	956	21550000	0.206488	0.004585	0
chr1	21550001	21650000	1072	1054	21600000	0.220393	0.002715	0
chr1	21600001	21700000	1104	1046	21650000	0.27382	0.000281	0
chr1	21900001	22000000	1259	1267	21950000	0.186825	0.00918	0
chr1	22050001	22150000	892	894	22100000	0.192732	0.007495	0
chr1	22200001	22300000	1131	1133	22250000	0.193414	0.007319	0
chr1	22300001	22400000	623	603	22350000	0.243037	0.00109	0
chr1	22350001	22450000	964	966	22400000	0.192973	0.007432	0
chr1	23400001	23500000	968	963	23450000	0.203434	0.005125	0
chr1	23950001	24050000	950	911	2.40E+07	0.256439	0.000614	0
chr1	24100001	24200000	933	912	24150000	0.228806	0.001951	0
chr1	25000001	25100000	894	864	25050000	0.245207	0.000995	0
chr1	25550001	25650000	442	425	25600000	0.252547	0.000727	0
chr1	25700001	25800000	541	538	25750000	0.203985	0.005024	0
chr1	26100001	26200000	1136	1141	26150000	0.189627	0.008343	0
chr1	26550001	26650000	1074	1057	26600000	0.218982	0.002867	0
chr1	26600001	26700000	1130	1118	26650000	0.211366	0.003827	0
chr1	26950001	27050000	825	814	2.70E+07	0.215328	0.003296	0
chr1	27000001	27100000	1041	1018	27050000	0.228196	0.001999	0
chr1	27050001	27150000	1023	1025	27100000	0.193145	0.007388	0
chr1	27100001	27200000	1031	1033	27150000	0.193167	0.007382	0
chr1	27250001	27350000	969	952	27300000	0.221498	0.002601	0
chr1	27300001	27400000	949	911	27350000	0.25492	0.000656	0
chr1	27450001	27550000	871	848	27500000	0.234571	0.001546	0
chr1	27500001	27600000	781	776	27550000	0.205229	0.004801	0
chr1	27700001	27800000	1022	981	27750000	0.255033	0.000653	0
chr1	27800001	27900000	1105	1103	27850000	0.198577	0.006102	0
chr1	27850001	27950000	1338	1331	27900000	0.203531	0.005107	0
chr1	27900001	28000000	1206	1209	27950000	0.192379	0.007587	0
chr1	27950001	28050000	935	938	2.80E+07	0.191341	0.007865	0
chr1	28000001	28100000	869	856	28050000	0.217708	0.00301	0
chr1	28050001	28150000	878	866	28100000	0.215817	0.003235	0
chr1	28200001	28300000	991	971	28250000	0.225377	0.002235	0
chr1	28450001	28550000	884	889	28500000	0.187826	0.008873	0
chr1	28500001	28600000	926	874	28550000	0.279342	0.000217	0
chr1	28550001	28650000	939	901	28600000	0.255561	0.000638	0

chr1	28600001	28700000	892	847	28650000	0.270645	0.000325	0
chr1	28650001	28750000	830	824	28700000	0.20643	0.004595	0
chr1	28900001	29000000	798	781	28950000	0.227029	0.002094	0
chr1	28950001	29050000	774	735	2.90E+07	0.270552	0.000326	0
chr1	29000001	29100000	823	801	29050000	0.235053	0.001516	0
chr1	29150001	29250000	977	980	29200000	0.19154	0.007811	0
chr1	31300001	31400000	1147	1128	31350000	0.220061	0.00275	0
chr1	31350001	31450000	1075	1057	31400000	0.220324	0.002722	0
chr1	31550001	31650000	770	768	31600000	0.199715	0.00586	0
chr1	31600001	31700000	826	831	31650000	0.187256	0.009047	0
chr1	32100001	32200000	1289	1280	32150000	0.206071	0.004655	0
chr1	32150001	32250000	1365	1349	32200000	0.212974	0.003603	0
chr1	32400001	32500000	903	907	32450000	0.189586	0.008355	0
chr1	32500001	32600000	892	897	32550000	0.187899	0.008851	0
chr1	32750001	32850000	1056	1053	32800000	0.200067	0.005786	0
chr1	33100001	33200000	890	869	33150000	0.230412	0.001829	0
chr1	33150001	33250000	1044	1015	33200000	0.236605	0.001423	0
chr1	33200001	33300000	1008	1005	33250000	0.200263	0.005746	0
chr1	36550001	36650000	1181	1185	36600000	0.191085	0.007935	0
chr1	36750001	36850000	1066	1060	36800000	0.204106	0.005002	0
chr1	36800001	36900000	1091	1070	36850000	0.224003	0.002359	0
chr1	36850001	36950000	1095	1082	36900000	0.213193	0.003573	0
chr1	37850001	37950000	1102	1096	37900000	0.203839	0.00505	0
chr1	37900001	38000000	977	945	37950000	0.244007	0.001047	0
chr1	37950001	38050000	931	906	3.80E+07	0.235233	0.001505	0
chr1	38000001	38100000	1063	1069	38050000	0.187843	0.008868	0
chr1	38100001	38200000	1122	1098	38150000	0.227158	0.002083	0
chr1	38250001	38350000	1007	1011	38300000	0.190244	0.008168	0
chr1	38350001	38450000	820	823	38400000	0.190695	0.008042	0
chr1	38400001	38500000	1031	923	38450000	0.355605	3.99E-06	0
chr1	38450001	38550000	1134	1100	38500000	0.23988	0.001244	0
chr1	39200001	39300000	979	978	39250000	0.197437	0.006354	0
chr1	39400001	39500000	762	759	39450000	0.201654	0.005466	0
chr1	39500001	39600000	879	860	39550000	0.22749	0.002056	0
chr1	40050001	40150000	1031	1036	40100000	0.188983	0.008529	0
chr1	40250001	40350000	940	915	40300000	0.234852	0.001529	0
chr1	40300001	40400000	939	929	40350000	0.21141	0.003821	0
chr1	40550001	40650000	987	986	40600000	0.197425	0.006357	0
chr1	41400001	41500000	1051	1044	41450000	0.205604	0.004736	0
chr1	41800001	41900000	1287	1237	41850000	0.25313	0.000709	0
chr1	41900001	42000000	1275	1267	41950000	0.205044	0.004834	0
chr1	41950001	42050000	1173	1159	4.20E+07	0.213285	0.003561	0
chr1	42700001	42800000	904	910	42750000	0.186419	0.009307	0
chr1	42750001	42850000	907	895	42800000	0.215178	0.003315	0
chr1	43800001	43900000	1092	1100	43850000	0.185432	0.009623	0
chr1	44000001	44100000	1267	1252	44050000	0.213145	0.00358	0
chr1	44150001	44250000	1071	1055	44200000	0.217679	0.003014	0

chr1	44350001	44450000	1232	1222	44400000	0.207721	0.004381	0
chr1	44400001	44500000	1280	1276	44450000	0.200479	0.005702	0
chr1	45100001	45200000	1120	1061	45150000	0.274037	0.000278	0
chr1	45150001	45250000	991	893	45200000	0.346188	6.83E-06	0
chr1	45200001	45300000	1029	963	45250000	0.291598	0.000121	0
chr1	45950001	46050000	892	828	4.60E+07	0.303376	6.72E-05	0
chr1	46000001	46100000	960	904	46050000	0.282675	0.000185	0
chr1	46050001	46150000	1010	1010	46100000	0.195963	0.006694	0
chr1	46100001	46200000	910	904	46150000	0.205507	0.004753	0
chr1	46150001	46250000	818	819	46200000	0.1942	0.007121	0
chr1	48900001	49000000	718	712	48950000	0.20807	0.004325	0
chr1	50000001	50100000	516	675	50050000	-0.19155	0.008282	0
chr1	50100001	50200000	556	735	50150000	-0.2067	0.004894	0
chr1	50150001	50250000	556	739	50200000	-0.21453	0.003684	0
chr1	50200001	50300000	575	761	50250000	-0.20837	0.004609	0
chr1	52450001	52550000	855	848	52500000	0.207823	0.004365	0
chr1	52850001	52950000	960	945	52900000	0.218683	0.0029	0
chr1	53250001	53350000	834	833	53300000	0.197694	0.006297	0
chr1	53300001	53400000	897	888	53350000	0.210511	0.003951	0
chr1	53550001	53650000	1123	1131	53600000	0.185722	0.009529	0
chr1	53600001	53700000	1044	982	53650000	0.28429	0.000172	0
chr1	53650001	53750000	1129	1090	53700000	0.24668	0.000935	0
chr1	54750001	54850000	1163	1102	54800000	0.27369	0.000282	0
chr1	58500001	58600000	681	898	58550000	-0.2031	0.005561	0
chr1	66600001	66700000	735	981	66650000	-0.22055	0.002945	0
chr1	67000001	67100000	922	928	67050000	0.186605	0.009249	0
chr1	67350001	67450000	847	852	67400000	0.187472	0.008981	0
chr1	69050001	69150000	633	851	69100000	-0.23099	0.001974	0
chr1	69200001	69300000	577	775	69250000	-0.22966	0.002079	0
chr1	69550001	69650000	595	782	69600000	-0.19832	0.006573	0
chr1	71150001	71250000	671	883	71200000	-0.20014	0.006169	0
chr1	71400001	71500000	706	950	71450000	-0.2323	0.001876	0
chr1	71550001	71650000	627	840	71600000	-0.22596	0.002398	0
chr1	72000001	72100000	659	871	72050000	-0.20643	0.00494	0
chr1	72050001	72150000	626	827	72100000	-0.20576	0.00506	0
chr1	72250001	72350000	626	819	72300000	-0.19174	0.008231	0
chr1	72400001	72500000	608	809	72450000	-0.21611	0.003475	0
chr1	72450001	72550000	609	873	72500000	-0.32358	3.05E-05	0
chr1	72600001	72700000	574	788	72650000	-0.26118	0.000573	0
chr1	72650001	72750000	605	789	72700000	-0.18713	0.009603	0
chr1	73000001	73100000	566	766	73050000	-0.24058	0.00135	0
chr1	73050001	73150000	586	857	73100000	-0.35243	6.65E-06	0
chr1	73100001	73200000	633	829	73150000	-0.1932	0.007832	0
chr1	73300001	73400000	579	766	73350000	-0.20782	0.004701	0
chr1	73350001	73450000	525	694	73400000	-0.20666	0.004901	0
chr1	73400001	73500000	514	673	73450000	-0.19288	0.00792	0
chr1	73650001	73750000	653	881	73700000	-0.2361	0.001615	0

chr1	73700001	73800000	533	774	73750000	-0.34223	1.15E-05	0
chr1	73750001	73850000	519	731	73800000	-0.29817	0.000107	0
chr1	73900001	74000000	539	704	73950000	-0.18933	0.008925	0
chr1	74200001	74300000	607	799	74250000	-0.20054	0.006084	0
chr1	74350001	74450000	625	828	74400000	-0.20981	0.004375	0
chr1	74800001	74900000	619	810	74850000	-0.19202	0.008153	0
chr1	76300001	76400000	610	823	76350000	-0.23612	0.001614	0
chr1	76600001	76700000	684	899	76650000	-0.19836	0.006562	0
chr1	77300001	77400000	642	839	77350000	-0.19013	0.008687	0
chr1	78800001	78900000	604	800	78850000	-0.20949	0.004427	0
chr1	79450001	79550000	583	760	79500000	-0.18654	0.009791	0
chr1	79650001	79750000	550	755	79700000	-0.26108	0.000576	0
chr1	79800001	79900000	601	797	79850000	-0.21125	0.004153	0
chr1	80050001	80150000	553	735	80100000	-0.2145	0.003687	0
chr1	80650001	80750000	587	766	80700000	-0.18802	0.009322	0
chr1	80700001	80800000	588	777	80750000	-0.20614	0.004993	0
chr1	81200001	81300000	579	765	81250000	-0.20593	0.005029	0
chr1	81400001	81500000	552	733	81450000	-0.21318	0.00387	0
chr1	81450001	81550000	611	871	81500000	-0.31554	4.58E-05	0
chr1	81500001	81600000	587	825	81550000	-0.29507	0.000124	0
chr1	81700001	81800000	575	757	81750000	-0.20077	0.006035	0
chr1	81900001	82000000	581	761	81950000	-0.1934	0.007781	0
chr1	82100001	82200000	525	698	82150000	-0.21495	0.003627	0
chr1	82500001	82600000	542	736	82550000	-0.24545	0.001108	0
chr1	82550001	82650000	526	755	82600000	-0.32545	2.77E-05	0
chr1	82600001	82700000	580	778	82650000	-0.22775	0.002238	0
chr1	83100001	83200000	573	765	83150000	-0.22096	0.002899	0
chr1	83250001	83350000	618	812	83300000	-0.19791	0.006666	0
chr1	83450001	83550000	587	838	83500000	-0.31763	4.12E-05	0
chr1	83500001	83600000	624	877	83550000	-0.29507	0.000124	0
chr1	83600001	83700000	57	83	83650000	-0.34619	9.33E-06	0
chr1	83700001	83800000	54	73	83750000	-0.23897	0.00144	0
chr1	83750001	83850000	60	84	83800000	-0.28946	0.000161	0
chr1	88400001	88500000	668	885	88450000	-0.20987	0.004367	0
chr1	88450001	88550000	651	866	88500000	-0.21575	0.003522	0
chr1	88600001	88700000	687	914	88650000	-0.21592	0.003499	0
chr1	88650001	88750000	642	853	88700000	-0.21401	0.003755	0
chr1	88700001	88800000	666	884	88750000	-0.21256	0.003959	0
chr1	90850001	90950000	712	960	90900000	-0.23519	0.001674	0
chr1	94300001	94400000	892	849	94350000	0.267242	0.000379	0
chr1	97450001	97550000	707	933	97500000	-0.2042	0.005348	0
chr1	98050001	98150000	708	934	98100000	-0.20371	0.005442	0
chr1	99150001	99250000	670	874	99200000	-0.18751	0.009482	0
chr1	99800001	99900000	605	800	99850000	-0.2071	0.004823	0
chr1	1.01E+08	1.01E+08	843	844	1.01E+08	0.194253	0.007108	0
chr1	1.02E+08	1.02E+08	693	912	1.02E+08	-0.20022	0.006153	0
chr1	1.02E+08	1.02E+08	733	956	1.02E+08	-0.18723	0.009569	0

chr1	1.02E+08	1.02E+08	599	785	1.02E+08	-0.19417	0.007578	0
chr1	1.02E+08	1.02E+08	595	784	1.02E+08	-0.202	0.00578	0
chr1	1.03E+08	1.03E+08	517	682	1.03E+08	-0.20364	0.005455	0
chr1	1.03E+08	1.03E+08	560	730	1.03E+08	-0.18651	0.009802	0
chr1	1.03E+08	1.04E+08	559	754	1.04E+08	-0.23575	0.001637	0
chr1	1.04E+08	1.04E+08	586	764	1.04E+08	-0.18671	0.009737	0
chr1	1.04E+08	1.04E+08	31	42	1.04E+08	-0.24216	0.001267	0
chr1	1.04E+08	1.04E+08	31	42	1.04E+08	-0.24216	0.001267	0
chr1	1.04E+08	1.04E+08	254	363	1.04E+08	-0.31918	3.81E-05	0
chr1	1.04E+08	1.04E+08	41	39	1.04E+08	0.268113	0.000365	0
chr1	1.04E+08	1.04E+08	1	1	1.04E+08	0.195963	0.006694	0
chr1	1.05E+08	1.05E+08	583	768	1.05E+08	-0.20165	0.005852	0
chr1	1.06E+08	1.06E+08	467	614	1.06E+08	-0.19885	0.006451	0
chr1	1.06E+08	1.06E+08	443	605	1.06E+08	-0.25367	0.000789	0
chr1	1.06E+08	1.06E+08	496	650	1.06E+08	-0.19414	0.007587	0
chr1	1.06E+08	1.06E+08	541	728	1.06E+08	-0.23235	0.001872	0
chr1	1.06E+08	1.06E+08	531	737	1.06E+08	-0.27699	0.000286	0
chr1	1.06E+08	1.06E+08	547	761	1.06E+08	-0.28039	0.000245	0
chr1	1.07E+08	1.07E+08	590	802	1.07E+08	-0.24692	0.001043	0
chr1	1.07E+08	1.07E+08	578	763	1.07E+08	-0.20465	0.005264	0
chr1	1.07E+08	1.07E+08	575	751	1.07E+08	-0.18929	0.008937	0
chr1	1.07E+08	1.07E+08	551	727	1.07E+08	-0.20394	0.005398	0
chr1	1.07E+08	1.07E+08	595	804	1.07E+08	-0.23834	0.001477	0
chr1	1.07E+08	1.07E+08	602	786	1.07E+08	-0.1888	0.009083	0
chr1	1.08E+08	1.08E+08	760	1021	1.08E+08	-0.22995	0.002056	0
chr1	1.09E+08	1.09E+08	60	60	1.09E+08	0.195963	0.006694	0
chr1	1.1E+08	1.1E+08	797	771	1.1E+08	0.243812	0.001055	0
chr1	1.1E+08	1.1E+08	1092	1052	1.10E+08	0.249801	0.000819	0
chr1	1.1E+08	1.1E+08	1172	1147	1.1E+08	0.22707	0.00209	0
chr1	1.11E+08	1.11E+08	1058	1025	1.11E+08	0.241679	0.001154	0
chr1	1.11E+08	1.11E+08	1181	1187	1.11E+08	0.188652	0.008626	0
chr1	1.13E+08	1.13E+08	649	852	1.13E+08	-0.19667	0.006956	0
chr1	1.13E+08	1.13E+08	947	943	1.13E+08	0.20207	0.005384	0
chr1	1.13E+08	1.14E+08	839	842	1.13E+08	0.190814	0.008009	0
chr1	1.14E+08	1.14E+08	788	790	1.14E+08	0.192306	0.007607	0
chr1	1.14E+08	1.14E+08	900	891	1.14E+08	0.210463	0.003958	0
chr1	1.14E+08	1.14E+08	913	857	1.14E+08	0.287283	0.000149	0
chr1	1.14E+08	1.14E+08	823	803	1.14E+08	0.231455	0.001754	0
chr1	1.16E+08	1.16E+08	653	852	1.16E+08	-0.18781	0.009389	0
chr1	1.19E+08	1.19E+08	633	834	1.19E+08	-0.20188	0.005805	0
chr1	1.19E+08	1.19E+08	551	725	1.19E+08	-0.19997	0.006206	0
chr1	1.2E+08	1.2E+08	590	779	1.2E+08	-0.20495	0.005209	0
chr1	1.2E+08	1.2E+08	677	897	1.2E+08	-0.20999	0.004347	0
chr1	1.2E+08	1.2E+08	553	731	1.2E+08	-0.20663	0.004906	0
chr1	1.21E+08	1.21E+08	45	69	1.21E+08	-0.42071	1.20E-07	0
chr1	1.21E+08	1.21E+08	19	34	1.21E+08	-0.64357	7.33E-15	0
chr1	1.21E+08	1.21E+08	7	5	1.21E+08	0.68139	3.58E-17	0

chr1	1.21E+08	1.21E+08	17	16	1.21E+08	0.283426	0.000179	0
chr1	1.21E+08	1.21E+08	15	15	1.21E+08	0.195963	0.006694	0
chr1	1.21E+08	1.21E+08	8	14	1.21E+08	-0.61139	1.08E-13	0
chr1	1.21E+08	1.21E+08	5	10	1.21E+08	-0.80404	3.29E-21	0
chr1	1.43E+08	1.43E+08	176	167	1.43E+08	0.27169	0.00031	0
chr1	1.43E+08	1.43E+08	44	74	1.43E+08	-0.55406	1.05E-11	0
chr1	1.43E+08	1.43E+08	33	63	1.43E+08	-0.73692	1.85E-18	0
chr1	1.43E+08	1.43E+08	59	100	1.43E+08	-0.56525	4.40E-12	0
chr1	1.43E+08	1.43E+08	40	71	1.43E+08	-0.63186	1.97E-14	0
chr1	1.43E+08	1.43E+08	29	39	1.43E+08	-0.23146	0.001939	0
chr1	1.43E+08	1.43E+08	31	30	1.43E+08	0.243269	0.00108	0
chr1	1.43E+08	1.43E+08	6	6	1.43E+08	0.195963	0.006694	0
chr1	1.43E+08	1.43E+08	25	22	1.43E+08	0.380388	9.16E-07	0
chr1	1.43E+08	1.43E+08	50	48	1.43E+08	0.254857	0.000658	0
chr1	1.43E+08	1.43E+08	43	59	1.43E+08	-0.26042	0.000592	0
chr1	1.43E+08	1.43E+08	60	56	1.43E+08	0.295499	9.96E-05	0
chr1	1.43E+08	1.43E+08	7	6	1.43E+08	0.418355	8.19E-08	0
chr1	1.43E+08	1.43E+08	21	36	1.43E+08	-0.58164	1.21E-12	0
chr1	1.43E+08	1.44E+08	45	70	1.43E+08	-0.44147	3.19E-08	0
chr1	1.44E+08	1.44E+08	2	1	1.44E+08	1.195963	1.84E-42	0
chr1	1.44E+08	1.44E+08	3	4	1.44E+08	-0.21907	0.003112	0
chr1	1.44E+08	1.44E+08	5	11	1.44E+08	-0.94154	3.57E-27	0
chr1	1.44E+08	1.44E+08	4	8	1.44E+08	-0.80404	3.29E-21	0
chr1	1.44E+08	1.44E+08	24	20	1.44E+08	0.458997	5.01E-09	0
chr1	1.44E+08	1.44E+08	15	15	1.44E+08	0.195963	0.006694	0
chr1	1.44E+08	1.44E+08	0	2	1.44E+08	#NAME?	3.67E-137	0
chr1	1.44E+08	1.44E+08	2	3	1.44E+08	-0.389	8.31E-07	0
chr1	1.44E+08	1.44E+08	2	1	1.44E+08	1.195963	1.84E-42	0
chr1	1.44E+08	1.45E+08	2	5	1.44E+08	-1.12597	1.27E-35	0
chr1	1.45E+08	1.45E+08	67	57	1.45E+08	0.429162	3.98E-08	0
chr1	1.45E+08	1.45E+08	26	26	1.45E+08	0.195963	0.006694	0
chr1	1.45E+08	1.45E+08	13	18	1.45E+08	-0.27352	0.000334	0
chr1	1.45E+08	1.45E+08	2	2	1.45E+08	0.195963	0.006694	0
chr1	1.45E+08	1.45E+08	38	54	1.45E+08	-0.311	5.74E-05	0
chr1	1.45E+08	1.45E+08	173	162	1.45E+08	0.290741	0.000126	0
chr1	1.45E+08	1.45E+08	630	615	1.45E+08	0.230728	0.001806	0
chr1	1.45E+08	1.46E+08	973	957	1.45E+08	0.219884	0.002769	0
chr1	1.45E+08	1.46E+08	1007	980	1.46E+08	0.235173	0.001509	0
chr1	1.46E+08	1.46E+08	497	466	1.46E+08	0.288879	0.000138	0
chr1	1.46E+08	1.46E+08	4	7	1.46E+08	-0.61139	1.08E-13	0
chr1	1.46E+08	1.46E+08	4	9	1.46E+08	-0.97396	1.25E-28	0
chr1	1.46E+08	1.46E+08	0	2	1.46E+08	#NAME?	3.67E-137	0
chr1	1.46E+08	1.47E+08	29	47	1.46E+08	-0.50064	5.56E-10	0
chr1	1.47E+08	1.48E+08	14	11	1.47E+08	0.543886	7.53E-12	0
chr1	1.48E+08	1.48E+08	5	4	1.48E+08	0.517891	6.05E-11	0
chr1	1.48E+08	1.48E+08	1	4	1.48E+08	-1.80404	2.39E-66	0
chr1	1.48E+08	1.48E+08	3	8	1.48E+08	-1.21907	5.55E-40	0

chr1	1.48E+08	1.48E+08	3	7	1.48E+08	-1.02643	5.11E-31	0
chr1	1.48E+08	1.48E+08	9	6	1.48E+08	0.780926	1.60E-21	0
chr1	1.48E+08	1.48E+08	24	22	1.48E+08	0.321494	2.63E-05	0
chr1	1.48E+08	1.48E+08	2	5	1.48E+08	-1.12597	1.27E-35	0
chr1	1.48E+08	1.48E+08	10	9	1.48E+08	0.347966	6.17E-06	0
chr1	1.48E+08	1.48E+08	8	5	1.48E+08	0.874035	6.80E-26	0
chr1	1.49E+08	1.49E+08	8	11	1.49E+08	-0.26347	0.000519	0
chr1	1.49E+08	1.49E+08	3	5	1.49E+08	-0.541	2.84E-11	0
chr1	1.49E+08	1.49E+08	12	11	1.49E+08	0.321494	2.63E-05	0
chr1	1.49E+08	1.49E+08	94	124	1.49E+08	-0.20364	0.005455	0
chr1	1.49E+08	1.49E+08	49	75	1.49E+08	-0.41815	1.41E-07	0
chr1	1.49E+08	1.49E+08	65	89	1.49E+08	-0.2574	0.000673	0
chr1	1.49E+08	1.5E+08	6	5	1.49E+08	0.458997	5.01E-09	0
chr1	1.49E+08	1.5E+08	0	1	1.5E+08	#NAME?	3.67E-137	0
chr1	1.5E+08	1.5E+08	5	3	1.5E+08	0.932929	8.75E-29	0
chr1	1.5E+08	1.5E+08	6	5	1.5E+08	0.458997	5.01E-09	0
chr1	1.5E+08	1.5E+08	615	558	1.5E+08	0.336284	1.19E-05	0
chr1	1.5E+08	1.5E+08	956	958	1.5E+08	0.192948	0.007439	0
chr1	1.5E+08	1.51E+08	953	946	1.51E+08	0.206599	0.004566	0
chr1	1.51E+08	1.51E+08	892	849	1.51E+08	0.267242	0.000379	0
chr1	1.51E+08	1.51E+08	907	880	1.51E+08	0.239562	0.00126	0
chr1	1.51E+08	1.51E+08	1005	959	1.51E+08	0.263556	0.000448	0
chr1	1.51E+08	1.52E+08	995	976	1.51E+08	0.223778	0.00238	0
chr1	1.52E+08	1.52E+08	967	953	1.52E+08	0.217003	0.003092	0
chr1	1.52E+08	1.52E+08	1058	1042	1.52E+08	0.217947	0.002983	0
chr1	1.52E+08	1.52E+08	597	790	1.52E+08	-0.20816	0.004644	0
chr1	1.52E+08	1.52E+08	501	677	1.52E+08	-0.23838	0.001475	0
chr1	1.54E+08	1.54E+08	1034	1004	1.54E+08	0.23844	0.00132	0
chr1	1.54E+08	1.54E+08	1014	964	1.54E+08	0.268916	0.000352	0
chr1	1.54E+08	1.54E+08	1048	996	1.54E+08	0.269384	0.000344	0
chr1	1.54E+08	1.54E+08	990	971	1.54E+08	0.22392	0.002366	0
chr1	1.54E+08	1.54E+08	924	888	1.54E+08	0.253296	0.000704	0
chr1	1.54E+08	1.54E+08	1015	971	1.54E+08	0.2599	0.000527	0
chr1	1.55E+08	1.55E+08	1204	1087	1.55E+08	0.343446	7.96E-06	0
chr1	1.55E+08	1.55E+08	1254	1167	1.55E+08	0.299696	8.09E-05	0
chr1	1.55E+08	1.55E+08	1176	1128	1.55E+08	0.256084	0.000624	0
chr1	1.55E+08	1.55E+08	1032	966	1.55E+08	0.291311	0.000122	0
chr1	1.55E+08	1.55E+08	1190	1086	1.55E+08	0.327901	1.87E-05	0
chr1	1.55E+08	1.55E+08	1147	1052	1.55E+08	0.320694	2.75E-05	0
chr1	1.55E+08	1.55E+08	1039	1010	1.55E+08	0.236803	0.001412	0
chr1	1.56E+08	1.56E+08	982	974	1.56E+08	0.207764	0.004374	0
chr1	1.56E+08	1.56E+08	1065	1067	1.56E+08	0.193256	0.007359	0
chr1	1.56E+08	1.56E+08	1281	1242	1.56E+08	0.240568	0.001209	0
chr1	1.56E+08	1.56E+08	1322	1273	1.56E+08	0.250453	0.000796	0
chr1	1.56E+08	1.56E+08	1031	1033	1.56E+08	0.193167	0.007382	0
chr1	1.57E+08	1.57E+08	1213	1191	1.57E+08	0.222369	0.002514	0
chr1	1.57E+08	1.57E+08	1251	1192	1.57E+08	0.265661	0.000407	0

chr1	1.57E+08	1.57E+08	1071	1026	1.57E+08	0.257891	0.000576	0
chr1	1.57E+08	1.57E+08	1222	1202	1.57E+08	0.21977	0.002781	0
chr1	1.57E+08	1.57E+08	1292	1257	1.57E+08	0.235584	0.001484	0
chr1	1.58E+08	1.58E+08	718	970	1.58E+08	-0.23804	0.001495	0
chr1	1.59E+08	1.59E+08	631	841	1.59E+08	-0.2185	0.003179	0
chr1	1.59E+08	1.59E+08	648	846	1.59E+08	-0.1887	0.009114	0
chr1	1.59E+08	1.59E+08	640	835	1.59E+08	-0.18774	0.009409	0
chr1	1.61E+08	1.61E+08	1084	1062	1.61E+08	0.225544	0.00222	0
chr1	1.61E+08	1.61E+08	513	503	1.61E+08	0.224363	0.002326	0
chr1	1.61E+08	1.62E+08	426	408	1.62E+08	0.258247	0.000567	0
chr1	1.62E+08	1.62E+08	149	121	1.62E+08	0.496268	3.22E-10	0
chr1	1.62E+08	1.62E+08	152	121	1.62E+08	0.525027	3.44E-11	0
chr1	1.63E+08	1.63E+08	746	973	1.63E+08	-0.1873	0.009548	0
chr1	1.63E+08	1.64E+08	668	872	1.63E+08	-0.18852	0.00917	0
chr1	1.63E+08	1.64E+08	648	845	1.64E+08	-0.18699	0.009645	0
chr1	1.64E+08	1.64E+08	642	851	1.64E+08	-0.21062	0.004249	0
chr1	1.64E+08	1.64E+08	594	777	1.64E+08	-0.19149	0.0083	0
chr1	1.64E+08	1.64E+08	628	829	1.64E+08	-0.20464	0.005265	0
chr1	1.64E+08	1.64E+08	605	838	1.64E+08	-0.27405	0.000326	0
chr1	1.64E+08	1.64E+08	729	955	1.64E+08	-0.19362	0.007722	0
chr1	1.64E+08	1.64E+08	676	934	1.64E+08	-0.27044	0.000383	0
chr1	1.67E+08	1.67E+08	874	844	1.67E+08	0.246353	0.000948	0
chr1	1.67E+08	1.67E+08	1007	982	1.67E+08	0.232232	0.0017	0
chr1	1.7E+08	1.7E+08	596	781	1.7E+08	-0.19405	0.007611	0
chr1	1.71E+08	1.71E+08	630	824	1.71E+08	-0.19133	0.008345	0
chr1	1.71E+08	1.71E+08	691	912	1.71E+08	-0.20439	0.005314	0
chr1	1.74E+08	1.74E+08	654	890	1.74E+08	-0.24855	0.000976	0
chr1	1.75E+08	1.75E+08	577	755	1.75E+08	-0.19194	0.008174	0
chr1	1.75E+08	1.75E+08	727	956	1.75E+08	-0.19909	0.006398	0
chr1	1.75E+08	1.75E+08	661	894	1.75E+08	-0.23966	0.001401	0
chr1	1.76E+08	1.76E+08	733	957	1.76E+08	-0.18874	0.009101	0
chr1	1.76E+08	1.76E+08	560	754	1.76E+08	-0.23317	0.001813	0
chr1	1.76E+08	1.77E+08	654	876	1.76E+08	-0.22568	0.002424	0
chr1	1.77E+08	1.77E+08	659	879	1.77E+08	-0.21962	0.003049	0
chr1	1.77E+08	1.77E+08	639	895	1.77E+08	-0.29011	0.000157	0
chr1	1.77E+08	1.77E+08	693	943	1.77E+08	-0.24844	0.00098	0
chr1	1.77E+08	1.77E+08	741	992	1.77E+08	-0.2249	0.002497	0
chr1	1.77E+08	1.77E+08	684	899	1.77E+08	-0.19836	0.006562	0
chr1	1.78E+08	1.78E+08	654	858	1.78E+08	-0.19572	0.007187	0
chr1	1.82E+08	1.82E+08	808	1059	1.82E+08	-0.19431	0.007542	0
chr1	1.82E+08	1.82E+08	817	1080	1.82E+08	-0.20666	0.0049	0
chr1	1.82E+08	1.83E+08	703	934	1.82E+08	-0.21393	0.003765	0
chr1	1.83E+08	1.83E+08	1003	991	1.83E+08	0.213328	0.003555	0
chr1	1.83E+08	1.83E+08	897	899	1.83E+08	0.19275	0.00749	0
chr1	1.87E+08	1.87E+08	671	888	1.87E+08	-0.20828	0.004623	0
chr1	1.87E+08	1.87E+08	721	955	1.87E+08	-0.20954	0.004419	0
chr1	1.89E+08	1.89E+08	618	806	1.89E+08	-0.18721	0.009577	0



chr1	1.89E+08	1.89E+08	545	762	1.89E+08	-0.28757	0.000176	0
chr1	1.9E+08	1.9E+08	657	890	1.9E+08	-0.24195	0.001278	0
chr1	1.9E+08	1.9E+08	658	859	1.9E+08	-0.18861	0.009142	0
chr1	1.9E+08	1.9E+08	640	836	1.9E+08	-0.18947	0.008883	0
chr1	1.91E+08	1.91E+08	641	837	1.91E+08	-0.18894	0.009041	0
chr1	1.91E+08	1.91E+08	594	781	1.91E+08	-0.1989	0.006442	0
chr1	1.94E+08	1.94E+08	589	769	1.94E+08	-0.18875	0.009098	0
chr1	1.95E+08	1.95E+08	570	758	1.95E+08	-0.21527	0.003584	0
chr1	1.95E+08	1.95E+08	573	763	1.95E+08	-0.21718	0.003339	0
chr1	1.95E+08	1.95E+08	619	842	1.95E+08	-0.24792	0.001002	0
chr1	1.96E+08	1.96E+08	606	815	1.96E+08	-0.23152	0.001934	0
chr1	1.96E+08	1.96E+08	633	835	1.96E+08	-0.20361	0.005462	0
chr1	1.97E+08	1.97E+08	654	863	1.97E+08	-0.20411	0.005366	0
chr1	1.97E+08	1.97E+08	248	336	1.97E+08	-0.24216	0.001267	0
chr1	1.99E+08	1.99E+08	672	917	1.99E+08	-0.2525	0.000828	0
chr1	1.99E+08	1.99E+08	642	905	1.99E+08	-0.29938	0.000101	0
chr1	1.99E+08	1.99E+08	615	821	1.99E+08	-0.22083	0.002913	0
chr1	2.02E+08	2.02E+08	1161	1160	2.02E+08	0.197206	0.006406	0
chr1	2.02E+08	2.02E+08	1050	1058	2.02E+08	0.185013	0.00976	0
chr1	2.02E+08	2.02E+08	972	929	2.02E+08	0.261241	0.000497	0
chr1	2.02E+08	2.02E+08	1048	1051	2.02E+08	0.191839	0.007731	0
chr1	2.02E+08	2.02E+08	1133	1063	2.02E+08	0.287969	0.000144	0
chr1	2.03E+08	2.03E+08	1062	1062	2.03E+08	0.195963	0.006694	0
chr1	2.04E+08	2.04E+08	1156	1142	2.04E+08	0.213542	0.003527	0
chr1	2.04E+08	2.05E+08	1069	1067	2.04E+08	0.198665	0.006083	0
chr1	2.05E+08	2.05E+08	1074	1082	2.05E+08	0.185257	0.00968	0
chr1	2.05E+08	2.05E+08	1170	1151	2.05E+08	0.219584	0.002801	0
chr1	2.05E+08	2.05E+08	1092	1100	2.05E+08	0.185432	0.009623	0
chr1	2.06E+08	2.06E+08	970	974	2.06E+08	0.190026	0.00823	0
chr1	2.06E+08	2.06E+08	977	958	2.06E+08	0.224296	0.002332	0
chr1	2.06E+08	2.06E+08	1063	1060	2.06E+08	0.20004	0.005792	0
chr1	2.06E+08	2.06E+08	5	3	2.06E+08	0.932929	8.75E-29	0
chr1	2.06E+08	2.07E+08	5	5	2.06E+08	0.195963	0.006694	0
chr1	2.07E+08	2.07E+08	1074	1071	2.07E+08	0.199999	0.0058	0
chr1	2.07E+08	2.08E+08	993	998	2.08E+08	0.188717	0.008607	0
chr1	2.08E+08	2.08E+08	590	772	2.08E+08	-0.19192	0.008179	0
chr1	2.12E+08	2.12E+08	927	910	2.12E+08	0.222666	0.002485	0
chr1	2.17E+08	2.17E+08	683	897	2.17E+08	-0.19726	0.006817	0
chr1	2.19E+08	2.19E+08	699	939	2.19E+08	-0.22987	0.002062	0
chr1	2.2E+08	2.2E+08	881	885	2.2E+08	0.189428	0.0084	0
chr1	2.22E+08	2.22E+08	736	960	2.22E+08	-0.18737	0.009527	0
chr1	2.23E+08	2.23E+08	704	965	2.23E+08	-0.25899	0.000629	0
chr1	2.24E+08	2.24E+08	34	49	2.24E+08	-0.33128	2.05E-05	0
chr1	2.28E+08	2.28E+08	1261	1181	2.28E+08	0.290522	0.000127	0
chr1	2.28E+08	2.28E+08	1151	1146	2.28E+08	0.202244	0.005351	0
chr1	2.28E+08	2.28E+08	1083	1089	2.28E+08	0.187992	0.008823	0
chr1	2.29E+08	2.29E+08	1180	1161	2.29E+08	0.219382	0.002823	0

chr1	2.29E+08	2.3E+08	978	983	2.29E+08	0.188606	0.00864	0
chr1	2.3E+08	2.3E+08	896	875	2.3E+08	0.230179	0.001847	0
chr1	2.3E+08	2.3E+08	1092	1074	2.3E+08	0.219942	0.002762	0
chr1	2.31E+08	2.31E+08	905	911	2.31E+08	0.18643	0.009304	0
chr1	2.35E+08	2.35E+08	1121	1109	2.35E+08	0.21149	0.003809	0
chr1	2.35E+08	2.35E+08	1055	1062	2.35E+08	0.186422	0.009306	0
chr1	2.35E+08	2.36E+08	862	858	2.35E+08	0.202673	0.005268	0
chr1	2.35E+08	2.36E+08	778	780	2.36E+08	0.192259	0.007619	0
chr1	2.37E+08	2.37E+08	806	806	2.37E+08	0.195963	0.006694	0
chr1	2.38E+08	2.38E+08	714	935	2.38E+08	-0.19308	0.007865	0
chr1	2.38E+08	2.38E+08	791	784	2.38E+08	0.208787	0.004212	0
chr1	2.38E+08	2.38E+08	599	829	2.38E+08	-0.27285	0.000344	0
chr1	2.39E+08	2.39E+08	656	855	2.39E+08	-0.18627	0.009881	0
chr1	2.4E+08	2.4E+08	658	874	2.4E+08	-0.21358	0.003814	0
chr1	2.4E+08	2.41E+08	712	952	2.4E+08	-0.22312	0.002672	0
chr1	2.41E+08	2.41E+08	692	921	2.41E+08	-0.21647	0.003429	0
chr1	2.41E+08	2.41E+08	748	748	2.41E+08	0.195963	0.006694	0
chr1	2.42E+08	2.42E+08	745	973	2.42E+08	-0.18924	0.008952	0
chr1	2.42E+08	2.43E+08	195	263	2.42E+08	-0.23563	0.001646	0
chr1	2.42E+08	2.43E+08	238	322	2.43E+08	-0.24014	0.001375	0
chr1	2.44E+08	2.44E+08	665	880	2.44E+08	-0.20819	0.004639	0
chr1	2.45E+08	2.45E+08	818	794	2.45E+08	0.238925	0.001294	0
chr1	2.45E+08	2.45E+08	841	823	2.45E+08	0.227176	0.002081	0
chr1	2.49E+08	2.49E+08	286	382	2.49E+08	-0.22159	0.002831	0
chr1	2.49E+08	2.49E+08	1023	1031	2.49E+08	0.184725	0.009855	0
chr1	2.49E+08	2.49E+08	655	648	2.49E+08	0.211464	0.003813	0
chr1	700001	800000	151	156	750000	0.148966	0.02998	0
chr1	750001	850000	475	496	8.00E+05	0.13355	0.045844	0
chr1	1900001	2000000	1087	1122	1950000	0.150242	0.028901	0
chr1	2150001	2250000	1182	1196	2200000	0.178976	0.011929	0
chr1	2200001	2300000	1190	1245	2250000	0.130779	0.049311	0
chr1	2250001	2350000	1204	1217	2300000	0.180469	0.011356	0
chr1	2700001	2800000	1227	1253	2750000	0.165712	0.018207	0
chr1	2750001	2850000	1230	1283	2800000	0.1351	0.043993	0
chr1	3000001	3100000	1216	1263	3050000	0.141252	0.037231	0
chr1	3050001	3150000	1184	1209	3100000	0.165818	0.018147	0
chr1	3650001	3750000	1077	1098	3700000	0.168103	0.016901	0
chr1	3700001	3800000	994	1029	3750000	0.146038	0.03258	0
chr1	4050001	4150000	966	997	4100000	0.150393	0.028776	0
chr1	4700001	4800000	1041	1070	4750000	0.156322	0.024197	0
chr1	4750001	4850000	1092	1117	4800000	0.163307	0.019606	0
chr1	4850001	4950000	695	900	4900000	-0.17695	0.013364	0
chr1	6050001	6150000	1158	1206	6100000	0.137368	0.041392	0
chr1	6150001	6250000	1198	1247	6200000	0.138129	0.040548	0
chr1	6300001	6400000	1184	1203	6350000	0.172995	0.014478	0
chr1	6350001	6450000	1036	1062	6400000	0.160203	0.021545	0
chr1	6500001	6600000	1074	1091	6550000	0.173306	0.014335	0

chr1	6700001	6800000	953	988	6750000	0.143928	0.034568	0
chr1	6750001	6850000	915	946	6800000	0.147895	0.03091	0
chr1	8050001	8150000	1012	1042	8100000	0.153817	0.026051	0
chr1	8100001	8200000	977	992	8150000	0.173981	0.014028	0
chr1	8200001	8300000	945	969	8250000	0.159781	0.021822	0
chr1	8250001	8350000	913	939	8300000	0.155453	0.024828	0
chr1	8300001	8400000	902	935	8350000	0.144124	0.034379	0
chr1	8400001	8500000	1086	1132	8450000	0.136113	0.042816	0
chr1	9000001	9100000	1007	1039	9050000	0.150831	0.028414	0
chr1	9350001	9450000	1121	1151	9400000	0.157861	0.023114	0
chr1	9550001	9650000	796	815	9600000	0.161931	0.020446	0
chr1	9600001	9700000	974	984	9650000	0.181226	0.011075	0
chr1	9900001	10000000	988	1002	9950000	0.175663	0.013288	0
chr1	10050001	10150000	801	824	10100000	0.155121	0.025072	0
chr1	10100001	10200000	833	869	10150000	0.134923	0.044201	0
chr1	10150001	10250000	825	846	10200000	0.159699	0.021875	0
chr1	10350001	10450000	956	997	10400000	0.13538	0.043665	0
chr1	10450001	10550000	844	873	10500000	0.147224	0.031505	0
chr1	10750001	10850000	1200	1240	10800000	0.148657	0.030245	0
chr1	11150001	11250000	869	879	11200000	0.179456	0.011742	0
chr1	11250001	11350000	899	909	11300000	0.180004	0.011532	0
chr1	11450001	11550000	1079	1098	11500000	0.17078	0.015536	0
chr1	11500001	11600000	1184	1238	11550000	0.131621	0.048236	0
chr1	11650001	11750000	1071	1080	11700000	0.18389	0.010135	0
chr1	11750001	11850000	1079	1102	11800000	0.165534	0.018307	0
chr1	11850001	11950000	1077	1116	11900000	0.144644	0.033882	0
chr1	11900001	12000000	975	984	11950000	0.182707	0.010544	0
chr1	12000001	12100000	1051	1061	12050000	0.182301	0.010687	0
chr1	12100001	12200000	1011	1042	12150000	0.152391	0.027158	0
chr1	12600001	12700000	1051	1088	12650000	0.146047	0.032572	0
chr1	12700001	12800000	788	1009	12750000	-0.1607	0.022013	0
chr1	12900001	13000000	98	101	12950000	0.152461	0.027103	0
chr1	14000001	14100000	879	893	14050000	0.173166	0.014399	0
chr1	15650001	15750000	1441	1454	15700000	0.183006	0.010439	0
chr1	15700001	15800000	1349	1398	15750000	0.144489	0.03403	0
chr1	15750001	15850000	1259	1288	15800000	0.163109	0.019725	0
chr1	15950001	16050000	993	1032	1.60E+07	0.140386	0.038128	0
chr1	16000001	16100000	1058	1098	16050000	0.142425	0.036044	0
chr1	16250001	16350000	1184	1197	16300000	0.180209	0.011454	0
chr1	16300001	16400000	1044	1086	16350000	0.139061	0.039535	0
chr1	16350001	16450000	980	1012	16400000	0.149607	0.029433	0
chr1	16500001	16600000	1050	1082	16550000	0.152652	0.026953	0
chr1	17050001	17150000	139	143	17100000	0.155033	0.025137	0
chr1	17500001	17600000	1175	1209	17550000	0.15481	0.025303	0
chr1	17750001	17850000	822	857	17800000	0.135806	0.04317	0
chr1	18850001	18950000	1037	1076	18900000	0.142701	0.035769	0
chr1	18900001	19000000	1074	1104	18950000	0.156217	0.024273	0

chr1	18950001	19050000	1086	1125	1.90E+07	0.145062	0.033487	0
chr1	19200001	19300000	1138	1177	19250000	0.147349	0.031393	0
chr1	19250001	19350000	1057	1095	19300000	0.145008	0.033539	0
chr1	19300001	19400000	1058	1095	19350000	0.146372	0.032275	0
chr1	19350001	19450000	1134	1163	19400000	0.159533	0.021985	0
chr1	19450001	19550000	1052	1101	19500000	0.130283	0.049952	0
chr1	19650001	19750000	1126	1151	19700000	0.164282	0.019028	0
chr1	19700001	19800000	1088	1111	19750000	0.165783	0.018167	0
chr1	19750001	19850000	994	1021	19800000	0.157298	0.023506	0
chr1	19850001	19950000	862	894	19900000	0.143376	0.035104	0
chr1	19900001	20000000	1019	1030	19950000	0.180473	0.011355	0
chr1	20850001	20950000	978	1008	20900000	0.152374	0.027172	0
chr1	21000001	21100000	1036	1072	21050000	0.146682	0.031992	0
chr1	21300001	21400000	930	956	21350000	0.156183	0.024297	0
chr1	21350001	21450000	873	905	21400000	0.144027	0.034472	0
chr1	21450001	21550000	855	891	21500000	0.136462	0.042416	0
chr1	21800001	21900000	877	911	21850000	0.141089	0.037399	0
chr1	21850001	21950000	1105	1145	21900000	0.144662	0.033865	0
chr1	21950001	22050000	1082	1116	2.20E+07	0.151327	0.02801	0
chr1	22100001	22200000	951	991	22150000	0.136523	0.042346	0
chr1	22150001	22250000	1187	1220	22200000	0.156402	0.02414	0
chr1	23250001	23350000	851	885	23300000	0.139445	0.039123	0
chr1	23450001	23550000	969	997	23500000	0.154866	0.025261	0
chr1	23500001	23600000	951	991	23550000	0.136523	0.042346	0
chr1	23800001	23900000	1009	1052	23850000	0.135755	0.043229	0
chr1	24000001	24100000	933	952	24050000	0.166879	0.017559	0
chr1	24050001	24150000	1015	1039	24100000	0.162247	0.020251	0
chr1	24150001	24250000	800	822	24200000	0.156825	0.023839	0
chr1	25400001	25500000	1022	1067	25450000	0.133798	0.045544	0
chr1	25750001	25850000	846	875	25800000	0.147338	0.031403	0
chr1	26050001	26150000	1140	1177	26100000	0.149883	0.029201	0
chr1	26150001	26250000	1030	1051	26200000	0.166845	0.017578	0
chr1	26350001	26450000	954	994	26400000	0.136706	0.042138	0
chr1	26400001	26500000	921	931	26450000	0.180383	0.011389	0
chr1	26500001	26600000	959	980	26550000	0.164712	0.018777	0
chr1	26650001	26750000	1009	1019	26700000	0.181735	0.01089	0
chr1	26700001	26800000	943	974	26750000	0.149299	0.029695	0
chr1	27150001	27250000	1046	1078	27200000	0.152489	0.027081	0
chr1	27200001	27300000	959	988	27250000	0.152983	0.026694	0
chr1	27350001	27450000	935	977	27400000	0.132571	0.047046	0
chr1	27650001	27750000	1141	1164	27700000	0.167171	0.0174	0
chr1	27750001	27850000	885	924	27800000	0.133748	0.045605	0
chr1	28150001	28250000	878	894	28200000	0.169909	0.015969	0
chr1	28250001	28350000	951	991	28300000	0.136523	0.042346	0
chr1	28850001	28950000	808	843	28900000	0.134786	0.044363	0
chr1	29400001	29500000	916	934	29450000	0.167888	0.017015	0
chr1	29450001	29550000	935	948	29500000	0.176042	0.013126	0

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chr1	29800001	29900000	844	882	29850000	0.132427	0.047225	0
chr1	31250001	31350000	1127	1157	31300000	0.158062	0.022976	0
chr1	31500001	31600000	835	867	31550000	0.141707	0.036766	0
chr1	31800001	31900000	1034	1072	31850000	0.143894	0.0346	0
chr1	31850001	31950000	965	1008	31900000	0.133068	0.046433	0
chr1	32200001	32300000	1181	1217	32250000	0.152643	0.02696	0
chr1	32350001	32450000	901	916	32400000	0.172143	0.014878	0
chr1	32450001	32550000	935	947	32500000	0.177565	0.012492	0
chr1	32600001	32700000	1040	1053	32650000	0.178041	0.012299	0
chr1	32900001	33000000	812	832	32950000	0.160859	0.021122	0
chr1	33350001	33450000	1005	1020	33400000	0.174589	0.013756	0
chr1	33750001	33850000	1103	1132	33800000	0.158522	0.022662	0
chr1	33800001	33900000	1056	1102	33850000	0.134449	0.044764	0
chr1	35550001	35650000	633	646	35600000	0.166634	0.017693	0
chr1	35600001	35700000	712	729	35650000	0.161921	0.020452	0
chr1	35650001	35750000	796	819	35700000	0.154868	0.025259	0
chr1	35700001	35800000	819	848	35750000	0.145762	0.032834	0
chr1	36000001	36100000	1034	1065	36050000	0.153346	0.026413	0
chr1	36200001	36300000	901	919	36250000	0.167425	0.017263	0
chr1	36700001	36800000	916	951	36750000	0.141865	0.036606	0
chr1	37100001	37200000	1064	1091	37150000	0.15981	0.021802	0
chr1	37150001	37250000	1032	1076	37200000	0.135728	0.04326	0
chr1	38050001	38150000	1111	1154	38100000	0.141179	0.037306	0
chr1	38650001	38750000	1076	1124	38700000	0.132999	0.046518	0
chr1	38800001	38900000	798	1002	38850000	-0.13246	0.048214	0
chr1	38850001	38950000	784	990	38900000	-0.14061	0.038864	0
chr1	39000001	39100000	956	998	39050000	0.133934	0.04538	0
chr1	39150001	39250000	909	943	39200000	0.142986	0.035487	0
chr1	39450001	39550000	774	786	39500000	0.173767	0.014125	0
chr1	39950001	40050000	745	778	4.00E+07	0.133433	0.045987	0
chr1	40000001	40100000	897	905	40050000	0.183153	0.010388	0
chr1	40100001	40200000	1056	1095	40150000	0.143642	0.034845	0
chr1	40150001	40250000	875	910	40200000	0.13938	0.039193	0
chr1	40200001	40300000	847	860	40250000	0.173988	0.014025	0
chr1	40350001	40450000	948	988	40400000	0.136339	0.042557	0
chr1	40400001	40500000	883	917	40450000	0.141455	0.037023	0
chr1	40600001	40700000	948	956	40650000	0.183839	0.010152	0
chr1	40900001	41000000	875	901	40950000	0.153719	0.026126	0
chr1	40950001	41050000	742	761	4.10E+07	0.159486	0.022016	0
chr1	41450001	41550000	1064	1099	41500000	0.14927	0.02972	0
chr1	41750001	41850000	1200	1211	41800000	0.182799	0.010511	0
chr1	41850001	41950000	1284	1311	41900000	0.165941	0.018078	0
chr1	43100001	43200000	900	941	43150000	0.131693	0.048145	0
chr1	43150001	43250000	973	1006	43200000	0.147844	0.030954	0
chr1	43300001	43400000	969	994	43350000	0.159214	0.022197	0
chr1	43350001	43450000	1032	1042	43400000	0.182051	0.010777	0

chr1	43400001	43500000	971	1013	43450000	0.134872	0.044261	0
chr1	43950001	44050000	1198	1233	4.40E+07	0.154418	0.025596	0
chr1	44100001	44200000	1004	1019	44150000	0.174568	0.013766	0
chr1	44800001	44900000	1113	1145	44850000	0.155069	0.02511	0
chr1	44850001	44950000	971	1015	44900000	0.132027	0.047725	0
chr1	45250001	45350000	997	1021	45300000	0.161646	0.020625	0
chr1	45900001	46000000	798	816	45950000	0.163783	0.019322	0
chr1	46650001	46750000	1016	1030	46700000	0.176219	0.013051	0
chr1	46700001	46800000	930	957	46750000	0.154675	0.025403	0
chr1	46900001	47000000	1188	1205	46950000	0.175465	0.013373	0
chr1	47200001	47300000	791	825	47250000	0.135247	0.043821	0
chr1	47500001	47600000	358	454	47550000	-0.14677	0.032833	0
chr1	47550001	47650000	393	504	47600000	-0.16293	0.020596	0
chr1	48400001	48500000	1034	1060	48450000	0.160135	0.02159	0
chr1	48450001	48550000	1054	1098	48500000	0.13696	0.041851	0
chr1	48700001	48800000	655	844	48750000	-0.16979	0.016724	0
chr1	49750001	49850000	606	780	49800000	-0.16819	0.017563	0
chr1	49950001	50050000	550	694	5.00E+07	-0.13954	0.04	0
chr1	50050001	50150000	560	725	50100000	-0.17659	0.013516	0
chr1	50250001	50350000	556	723	50300000	-0.18295	0.011017	0
chr1	51500001	51600000	763	961	51550000	-0.13689	0.042929	0
chr1	51550001	51650000	718	913	51600000	-0.15067	0.029433	0
chr1	51650001	51750000	820	846	51700000	0.150929	0.028334	0
chr1	51700001	51800000	987	1011	51750000	0.161302	0.020841	0
chr1	51750001	51850000	974	1007	51800000	0.147893	0.030912	0
chr1	52500001	52600000	779	810	52550000	0.139664	0.038889	0
chr1	52900001	53000000	898	923	52950000	0.156348	0.024179	0
chr1	53150001	53250000	820	829	53200000	0.180215	0.011452	0
chr1	53200001	53300000	791	814	53250000	0.154612	0.02545	0
chr1	53700001	53800000	1246	1276	53750000	0.161639	0.020629	0
chr1	54350001	54450000	1014	1046	54400000	0.151138	0.028163	0
chr1	54600001	54700000	1064	1109	54650000	0.136202	0.042714	0
chr1	54650001	54750000	1114	1143	54700000	0.158887	0.022416	0
chr1	54700001	54800000	1121	1139	54750000	0.172982	0.014485	0
chr1	54800001	54900000	1084	1107	54850000	0.165673	0.018229	0
chr1	55150001	55250000	1046	1058	55200000	0.179506	0.011722	0
chr1	55200001	55300000	1075	1094	55250000	0.170687	0.015581	0
chr1	56550001	56650000	703	884	56600000	-0.13456	0.045648	0
chr1	56750001	56850000	690	866	56800000	-0.13181	0.049033	0
chr1	57250001	57350000	815	1024	57300000	-0.13338	0.047073	0
chr1	57350001	57450000	746	947	57400000	-0.14823	0.031527	0
chr1	57550001	57650000	706	896	57600000	-0.14787	0.031844	0
chr1	57600001	57700000	719	912	57650000	-0.14708	0.032552	0
chr1	57900001	58000000	692	894	57950000	-0.17354	0.014882	0
chr1	57950001	58050000	644	829	5.80E+07	-0.16835	0.017479	0
chr1	58250001	58350000	719	912	58300000	-0.14708	0.032552	0
chr1	58300001	58400000	681	884	58350000	-0.18043	0.011955	0

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chr1	58750001	58850000	678	851	58800000	-0.13191	0.048902	0
chr1	60000001	60100000	605	768	60050000	-0.14821	0.031543	0
chr1	60550001	60650000	689	884	60600000	-0.16358	0.0202	0
chr1	60600001	60700000	655	834	60650000	-0.15259	0.027868	0
chr1	60800001	60900000	657	834	60850000	-0.14819	0.031558	0
chr1	60900001	61000000	566	710	60950000	-0.13105	0.049994	0
chr1	60950001	61050000	658	837	6.10E+07	-0.15118	0.029012	0
chr1	61300001	61400000	766	965	61350000	-0.13722	0.042554	0
chr1	61350001	61450000	784	997	61400000	-0.15078	0.029342	0
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chr1	62000001	62100000	692	870	62050000	-0.13428	0.045981	0
chr1	62050001	62150000	759	974	62100000	-0.16386	0.020031	0
chr1	62700001	62800000	968	999	62750000	0.150485	0.028699	0
chr1	62850001	62950000	865	897	62900000	0.143555	0.034929	0
chr1	63350001	63450000	816	1025	63400000	-0.13302	0.047517	0
chr1	64400001	64500000	802	1013	64450000	-0.141	0.038462	0
chr1	64650001	64750000	705	890	64700000	-0.14022	0.039277	0
chr1	65450001	65550000	964	1003	65500000	0.138746	0.039875	0
chr1	65600001	65700000	860	900	65650000	0.130375	0.049834	0
chr1	65900001	66000000	686	863	65950000	-0.13519	0.0449	0
chr1	66250001	66350000	705	895	66300000	-0.1483	0.03146	0
chr1	66550001	66650000	770	990	66600000	-0.16661	0.018434	0
chr1	66950001	67050000	903	914	6.70E+07	0.178495	0.012118	0
chr1	67850001	67950000	836	865	67900000	0.146766	0.031917	0
chr1	68650001	68750000	806	827	68700000	0.158856	0.022437	0
chr1	69000001	69100000	670	866	69050000	-0.17424	0.014557	0
chr1	69300001	69400000	634	652	69350000	0.155574	0.024739	0
chr1	69500001	69600000	577	735	69550000	-0.15321	0.027378	0
chr1	69600001	69700000	671	869	69650000	-0.17708	0.013308	0
chr1	70300001	70400000	599	755	70350000	-0.13796	0.041729	0
chr1	70600001	70700000	909	919	70650000	0.180178	0.011466	0
chr1	70650001	70750000	904	912	70700000	0.183252	0.010354	0
chr1	71100001	71200000	745	936	71150000	-0.13331	0.047166	0
chr1	71200001	71300000	642	811	71250000	-0.14117	0.038287	0
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chr1	71500001	71600000	722	925	71550000	-0.16149	0.0215	0
chr1	71600001	71700000	614	790	71650000	-0.16765	0.017856	0
chr1	72300001	72400000	591	744	72350000	-0.13618	0.043741	0
chr1	72800001	72900000	532	689	72850000	-0.17711	0.013293	0
chr1	72850001	72950000	575	736	72900000	-0.16018	0.022351	0
chr1	72900001	73000000	636	815	72950000	-0.16181	0.021297	0
chr1	72950001	73050000	617	779	7.30E+07	-0.14039	0.039097	0
chr1	73250001	73350000	573	732	73300000	-0.15735	0.024293	0
chr1	73600001	73700000	685	876	73650000	-0.15886	0.023236	0
chr1	73850001	73950000	566	721	73900000	-0.15323	0.027359	0
chr1	74150001	74250000	595	760	74200000	-0.15715	0.024434	0

chr1	74400001	74500000	626	786	74450000	-0.1324	0.048283	0
chr1	74500001	74600000	557	709	74550000	-0.15215	0.028224	0
chr1	74850001	74950000	646	823	74900000	-0.1534	0.027233	0
chr1	75250001	75350000	621	791	75300000	-0.15312	0.027448	0
chr1	75400001	75500000	622	794	75450000	-0.15626	0.025072	0
chr1	75550001	75650000	652	831	75600000	-0.15401	0.026754	0
chr1	76350001	76450000	689	873	76400000	-0.14551	0.033995	0
chr1	76650001	76750000	690	879	76700000	-0.1533	0.027305	0
chr1	76850001	76950000	663	846	76900000	-0.15569	0.025494	0
chr1	77350001	77450000	596	750	77400000	-0.13562	0.044399	0
chr1	78000001	78100000	872	1107	78050000	-0.14829	0.031469	0
chr1	78400001	78500000	884	893	78450000	0.181349	0.01103	0
chr1	79250001	79350000	552	701	79300000	-0.14878	0.031039	0
chr1	79300001	79400000	532	678	79350000	-0.1539	0.026845	0
chr1	79500001	79600000	617	802	79550000	-0.18237	0.011227	0
chr1	79700001	79800000	619	789	79750000	-0.15412	0.02667	0
chr1	80100001	80200000	529	688	80150000	-0.18318	0.010935	0
chr1	80200001	80300000	619	787	80250000	-0.15046	0.029606	0
chr1	80250001	80350000	615	783	80300000	-0.15246	0.027969	0
chr1	81050001	81150000	598	769	81100000	-0.16688	0.018284	0
chr1	81100001	81200000	577	744	81150000	-0.17077	0.016224	0
chr1	81150001	81250000	588	751	81200000	-0.15703	0.024515	0
chr1	81550001	81650000	619	781	81600000	-0.13942	0.04013	0
chr1	81750001	81850000	610	780	81800000	-0.1587	0.023347	0
chr1	81850001	81950000	609	780	81900000	-0.16107	0.021771	0
chr1	82050001	82150000	607	790	82100000	-0.18419	0.010578	0
chr1	82300001	82400000	608	763	82350000	-0.13165	0.049234	0
chr1	82750001	82850000	590	748	82800000	-0.14636	0.033209	0
chr1	83000001	83100000	627	806	83050000	-0.16635	0.018578	0
chr1	83050001	83150000	603	758	83100000	-0.13408	0.046227	0
chr1	83150001	83250000	607	785	83200000	-0.17503	0.014199	0
chr1	83200001	83300000	628	802	83250000	-0.15687	0.024628	0
chr1	83300001	83400000	629	795	83350000	-0.14193	0.0375	0
chr1	83550001	83650000	360	469	83600000	-0.18563	0.010091	0
chr1	83850001	83950000	60	77	83900000	-0.16393	0.019986	0
chr1	83900001	84000000	319	403	83950000	-0.14126	0.038189	0
chr1	83950001	84050000	618	784	8.40E+07	-0.14728	0.032367	0
chr1	84350001	84450000	692	873	84400000	-0.13925	0.040317	0
chr1	84600001	84700000	639	803	84650000	-0.13362	0.04678	0
chr1	86500001	86600000	646	812	86550000	-0.13398	0.046341	0
chr1	87000001	87100000	644	825	87050000	-0.16137	0.021577	0
chr1	87050001	87150000	518	666	87100000	-0.16661	0.018434	0
chr1	87950001	88050000	612	795	8.80E+07	-0.18146	0.011563	0
chr1	88000001	88100000	667	860	88050000	-0.17069	0.016265	0
chr1	88050001	88150000	671	864	88100000	-0.16876	0.017262	0
chr1	88350001	88450000	697	883	88400000	-0.14529	0.034205	0
chr1	88550001	88650000	692	882	88600000	-0.15404	0.026731	0



chr1	90250001	90350000	1026	1064	90300000	0.143496	0.034987	0
chr1	90700001	90800000	728	917	90750000	-0.13702	0.042782	0
chr1	90750001	90850000	766	977	90800000	-0.15505	0.025966	0
chr1	91050001	91150000	695	878	91100000	-0.14124	0.038205	0
chr1	91400001	91500000	818	848	91450000	0.144	0.034499	0
chr1	91900001	92000000	730	916	91950000	-0.13149	0.049439	0
chr1	91950001	92050000	862	1086	9.20E+07	-0.1373	0.042464	0
chr1	92250001	92350000	913	942	92300000	0.150851	0.028398	0
chr1	92450001	92550000	697	875	92500000	-0.13216	0.048587	0
chr1	93350001	93450000	863	889	93400000	0.15314	0.026572	0
chr1	93550001	93650000	922	947	93600000	0.157365	0.023459	0
chr1	94100001	94200000	1157	1196	94150000	0.148135	0.0307	0
chr1	94250001	94350000	922	937	94300000	0.172681	0.014624	0
chr1	94500001	94600000	936	1185	94550000	-0.14434	0.03511	0
chr1	96250001	96350000	659	829	96300000	-0.13513	0.044968	0
chr1	96300001	96400000	670	852	96350000	-0.15073	0.029382	0
chr1	96450001	96550000	640	817	96500000	-0.1563	0.025043	0
chr1	96750001	96850000	612	781	96800000	-0.15583	0.025389	0
chr1	97400001	97500000	718	935	97450000	-0.18502	0.010295	0
chr1	98000001	98100000	709	895	98050000	-0.14014	0.039362	0
chr1	98100001	98200000	717	911	98150000	-0.14951	0.030407	0
chr1	98150001	98250000	754	948	98200000	-0.13436	0.045886	0
chr1	98450001	98550000	744	955	98500000	-0.16424	0.019805	0
chr1	98650001	98750000	701	895	98700000	-0.15651	0.024891	0
chr1	98700001	98800000	697	880	98750000	-0.14038	0.039106	0
chr1	99500001	99600000	628	793	99550000	-0.14059	0.038883	0
chr1	99550001	99650000	636	828	99600000	-0.18464	0.010424	0
chr1	99750001	99850000	652	827	99800000	-0.14705	0.032576	0
chr1	99850001	99950000	692	890	99900000	-0.16707	0.018176	0
chr1	1E+08	1E+08	719	911	1E+08	-0.1455	0.034012	0
chr1	1E+08	1E+08	713	897	1E+08	-0.13524	0.044836	0
chr1	1.01E+08	1.01E+08	688	878	1.01E+08	-0.15585	0.025373	0
chr1	1.01E+08	1.01E+08	651	835	1.01E+08	-0.16316	0.020458	0
chr1	1.02E+08	1.02E+08	608	775	1.02E+08	-0.15416	0.02664	0
chr1	1.02E+08	1.02E+08	609	779	1.02E+08	-0.15922	0.022995	0
chr1	1.02E+08	1.02E+08	638	821	1.02E+08	-0.16786	0.017741	0
chr1	1.03E+08	1.03E+08	627	810	1.03E+08	-0.17349	0.014903	0
chr1	1.03E+08	1.03E+08	547	694	1.03E+08	-0.14743	0.032234	0
chr1	1.03E+08	1.03E+08	508	643	1.03E+08	-0.14403	0.035416	0
chr1	1.03E+08	1.03E+08	581	743	1.03E+08	-0.15886	0.023238	0
chr1	1.03E+08	1.03E+08	580	730	1.03E+08	-0.13588	0.04409	0
chr1	1.04E+08	1.04E+08	562	729	1.04E+08	-0.17939	0.012363	0
chr1	1.04E+08	1.04E+08	594	771	1.04E+08	-0.1803	0.012002	0
chr1	1.04E+08	1.04E+08	263	332	1.04E+08	-0.14016	0.039343	0
chr1	1.04E+08	1.04E+08	534	687	1.04E+08	-0.16751	0.017935	0
chr1	1.04E+08	1.04E+08	550	712	1.04E+08	-0.17648	0.013563	0
chr1	1.04E+08	1.05E+08	567	714	1.04E+08	-0.13661	0.043246	0

chr1	1.04E+08	1.05E+08	612	769	1.05E+08	-0.13349	0.046941	0
chr1	1.05E+08	1.05E+08	596	762	1.05E+08	-0.15852	0.023475	0
chr1	1.05E+08	1.05E+08	580	728	1.05E+08	-0.13192	0.048887	0
chr1	1.05E+08	1.05E+08	640	666	1.05E+08	0.138513	0.040129	0
chr1	1.05E+08	1.05E+08	508	650	1.05E+08	-0.15965	0.022706	0
chr1	1.05E+08	1.05E+08	571	730	1.05E+08	-0.15844	0.023525	0
chr1	1.05E+08	1.06E+08	513	652	1.05E+08	-0.14995	0.030036	0
chr1	1.05E+08	1.06E+08	541	702	1.06E+08	-0.17988	0.012168	0
chr1	1.06E+08	1.06E+08	601	768	1.06E+08	-0.15778	0.023987	0
chr1	1.06E+08	1.06E+08	583	756	1.06E+08	-0.17893	0.012546	0
chr1	1.06E+08	1.06E+08	555	716	1.06E+08	-0.17151	0.015855	0
chr1	1.06E+08	1.06E+08	563	708	1.06E+08	-0.13465	0.045537	0
chr1	1.06E+08	1.06E+08	581	749	1.06E+08	-0.17046	0.016377	0
chr1	1.07E+08	1.07E+08	600	756	1.07E+08	-0.13746	0.042285	0
chr1	1.07E+08	1.07E+08	555	713	1.07E+08	-0.16545	0.019092	0
chr1	1.07E+08	1.07E+08	602	764	1.07E+08	-0.14785	0.031863	0
chr1	1.07E+08	1.07E+08	582	744	1.07E+08	-0.15832	0.02361	0
chr1	1.08E+08	1.08E+08	779	1012	1.08E+08	-0.18155	0.011529	0
chr1	1.08E+08	1.08E+08	725	923	1.08E+08	-0.15239	0.02803	0
chr1	1.09E+08	1.09E+08	154	200	1.09E+08	-0.18111	0.011696	0
chr1	1.1E+08	1.1E+08	858	878	1.1E+08	0.16272	0.019961	0
chr1	1.1E+08	1.1E+08	1037	1081	1.1E+08	0.136012	0.042932	0
chr1	1.1E+08	1.1E+08	1031	1062	1.1E+08	0.153224	0.026507	0
chr1	1.1E+08	1.11E+08	1057	1103	1.11E+08	0.134506	0.044696	0
chr1	1.11E+08	1.11E+08	1101	1134	1.11E+08	0.153357	0.026404	0
chr1	1.11E+08	1.12E+08	712	925	1.12E+08	-0.18161	0.011505	0
chr1	1.13E+08	1.13E+08	678	859	1.13E+08	-0.14541	0.034094	0
chr1	1.13E+08	1.13E+08	857	887	1.13E+08	0.146324	0.032318	0
chr1	1.13E+08	1.13E+08	996	1029	1.13E+08	0.148938	0.030004	0
chr1	1.15E+08	1.15E+08	776	1005	1.15E+08	-0.1771	0.013298	0
chr1	1.15E+08	1.15E+08	862	1085	1.15E+08	-0.13597	0.043983	0
chr1	1.15E+08	1.16E+08	627	798	1.16E+08	-0.15196	0.028373	0
chr1	1.16E+08	1.16E+08	905	936	1.16E+08	0.147372	0.031373	0
chr1	1.16E+08	1.16E+08	726	923	1.16E+08	-0.1504	0.029659	0
chr1	1.17E+08	1.17E+08	961	1005	1.17E+08	0.131376	0.048547	0
chr1	1.17E+08	1.17E+08	737	933	1.17E+08	-0.14425	0.035201	0
chr1	1.19E+08	1.19E+08	735	930	1.19E+08	-0.14352	0.035908	0
chr1	1.19E+08	1.19E+08	673	846	1.19E+08	-0.13409	0.046213	0
chr1	1.19E+08	1.19E+08	678	851	1.19E+08	-0.13191	0.048902	0
chr1	1.19E+08	1.19E+08	658	851	1.19E+08	-0.17511	0.014166	0
chr1	1.19E+08	1.19E+08	542	685	1.19E+08	-0.14185	0.037585	0
chr1	1.19E+08	1.19E+08	502	646	1.19E+08	-0.16788	0.01773	0
chr1	1.19E+08	1.19E+08	571	728	1.19E+08	-0.15448	0.026394	0
chr1	1.19E+08	1.19E+08	611	772	1.19E+08	-0.14147	0.037977	0
chr1	1.2E+08	1.2E+08	706	907	1.2E+08	-0.16547	0.01908	0
chr1	1.2E+08	1.2E+08	655	852	1.2E+08	-0.1834	0.010857	0
chr1	1.21E+08	1.21E+08	60	76	1.21E+08	-0.14507	0.034411	0

chr1	1.21E+08	1.21E+08	289	363	1.21E+08	-0.13294	0.047619	0
chr1	1.21E+08	1.21E+08	343	441	1.21E+08	-0.16661	0.018434	0
chr1	1.21E+08	1.22E+08	1389	1436	1.21E+08	0.147954	0.030858	0
chr1	1.21E+08	1.22E+08	1380	1434	1.22E+08	0.140586	0.037919	0
chr1	1.45E+08	1.45E+08	469	605	1.45E+08	-0.17138	0.015917	0
chr1	1.45E+08	1.45E+08	644	660	1.45E+08	0.160558	0.021316	0
chr1	1.46E+08	1.46E+08	883	924	1.46E+08	0.130484	0.049692	0
chr1	1.46E+08	1.46E+08	29	37	1.46E+08	-0.15551	0.025624	0
chr1	1.46E+08	1.47E+08	251	325	1.47E+08	-0.17679	0.013432	0
chr1	1.47E+08	1.47E+08	815	834	1.47E+08	0.162716	0.019963	0
chr1	1.49E+08	1.49E+08	147	188	1.49E+08	-0.15895	0.023175	0
chr1	1.49E+08	1.49E+08	55	70	1.49E+08	-0.15196	0.028373	0
chr1	1.49E+08	1.49E+08	23	24	1.49E+08	0.134562	0.044628	0
chr1	1.5E+08	1.5E+08	48	49	1.5E+08	0.166216	0.017925	0
chr1	1.5E+08	1.5E+08	107	108	1.5E+08	0.182543	0.010602	0
chr1	1.5E+08	1.5E+08	923	933	1.5E+08	0.180417	0.011376	0
chr1	1.5E+08	1.5E+08	944	952	1.5E+08	0.183788	0.010169	0
chr1	1.5E+08	1.5E+08	903	941	1.5E+08	0.136494	0.042379	0
chr1	1.5E+08	1.5E+08	882	900	1.5E+08	0.166817	0.017593	0
chr1	1.5E+08	1.5E+08	784	813	1.5E+08	0.143561	0.034923	0
chr1	1.51E+08	1.51E+08	860	867	1.51E+08	0.184268	0.010007	0
chr1	1.51E+08	1.51E+08	846	878	1.51E+08	0.1424	0.036069	0
chr1	1.51E+08	1.51E+08	1002	1041	1.51E+08	0.140875	0.037619	0
chr1	1.51E+08	1.51E+08	1042	1057	1.51E+08	0.175343	0.013426	0
chr1	1.51E+08	1.51E+08	975	1019	1.51E+08	0.132283	0.047404	0
chr1	1.51E+08	1.51E+08	995	1038	1.51E+08	0.134925	0.044199	0
chr1	1.51E+08	1.52E+08	975	997	1.52E+08	0.163772	0.019328	0
chr1	1.52E+08	1.52E+08	1026	1048	1.52E+08	0.165355	0.018409	0
chr1	1.53E+08	1.53E+08	749	944	1.53E+08	-0.13786	0.04184	0
chr1	1.53E+08	1.53E+08	699	881	1.53E+08	-0.13789	0.041808	0
chr1	1.54E+08	1.54E+08	943	961	1.54E+08	0.168684	0.016596	0
chr1	1.54E+08	1.54E+08	867	906	1.54E+08	0.132484	0.047154	0
chr1	1.55E+08	1.55E+08	1072	1099	1.55E+08	0.160077	0.021628	0
chr1	1.55E+08	1.55E+08	941	974	1.55E+08	0.146236	0.032399	0
chr1	1.55E+08	1.55E+08	1045	1087	1.55E+08	0.139114	0.039477	0
chr1	1.55E+08	1.55E+08	990	1014	1.55E+08	0.161406	0.020775	0
chr1	1.55E+08	1.55E+08	784	803	1.55E+08	0.161417	0.020768	0
chr1	1.56E+08	1.56E+08	705	728	1.56E+08	0.149648	0.029399	0
chr1	1.56E+08	1.56E+08	756	785	1.56E+08	0.141657	0.036818	0
chr1	1.56E+08	1.56E+08	975	999	1.56E+08	0.160881	0.021109	0
chr1	1.56E+08	1.56E+08	957	967	1.56E+08	0.180966	0.011171	0
chr1	1.56E+08	1.56E+08	1073	1115	1.56E+08	0.140569	0.037937	0
chr1	1.56E+08	1.56E+08	948	976	1.56E+08	0.153969	0.025935	0
chr1	1.56E+08	1.56E+08	1138	1190	1.56E+08	0.131502	0.048387	0
chr1	1.56E+08	1.57E+08	1152	1168	1.56E+08	0.176063	0.013117	0
chr1	1.57E+08	1.57E+08	1049	1069	1.57E+08	0.168716	0.01658	0
chr1	1.57E+08	1.57E+08	556	709	1.57E+08	-0.15474	0.026202	0

chr1	1.58E+08	1.58E+08	721	928	1.58E+08	-0.16816	0.017579	0
chr1	1.58E+08	1.58E+08	709	922	1.58E+08	-0.18302	0.010992	0
chr1	1.58E+08	1.58E+08	774	972	1.58E+08	-0.13266	0.047963	0
chr1	1.58E+08	1.58E+08	1058	1105	1.58E+08	0.133256	0.046202	0
chr1	1.58E+08	1.58E+08	609	768	1.58E+08	-0.1387	0.04091	0
chr1	1.59E+08	1.59E+08	652	838	1.59E+08	-0.16612	0.018711	0
chr1	1.59E+08	1.59E+08	667	869	1.59E+08	-0.18571	0.010065	0
chr1	1.59E+08	1.59E+08	595	769	1.59E+08	-0.17413	0.014608	0
chr1	1.59E+08	1.59E+08	800	1015	1.59E+08	-0.14744	0.032222	0
chr1	1.61E+08	1.61E+08	884	915	1.61E+08	0.146238	0.032397	0
chr1	1.61E+08	1.61E+08	868	887	1.61E+08	0.164724	0.018771	0
chr1	1.61E+08	1.62E+08	451	455	1.61E+08	0.183224	0.010363	0
chr1	1.63E+08	1.63E+08	1037	1068	1.63E+08	0.153467	0.026319	0
chr1	1.63E+08	1.63E+08	1064	1074	1.63E+08	0.182467	0.010628	0
chr1	1.63E+08	1.63E+08	969	1010	1.63E+08	0.136176	0.042743	0
chr1	1.64E+08	1.64E+08	679	863	1.64E+08	-0.14999	0.030006	0
chr1	1.64E+08	1.64E+08	699	889	1.64E+08	-0.15093	0.029217	0
chr1	1.64E+08	1.64E+08	612	782	1.64E+08	-0.15767	0.024061	0
chr1	1.64E+08	1.64E+08	614	800	1.64E+08	-0.1858	0.010034	0
chr1	1.64E+08	1.65E+08	702	899	1.64E+08	-0.16089	0.021889	0
chr1	1.65E+08	1.65E+08	921	955	1.65E+08	0.143663	0.034824	0
chr1	1.66E+08	1.66E+08	987	1023	1.66E+08	0.144279	0.03423	0
chr1	1.66E+08	1.66E+08	975	1006	1.66E+08	0.150807	0.028434	0
chr1	1.66E+08	1.66E+08	628	800	1.66E+08	-0.15327	0.027329	0
chr1	1.66E+08	1.66E+08	601	764	1.66E+08	-0.15024	0.029787	0
chr1	1.67E+08	1.67E+08	933	974	1.67E+08	0.133918	0.045399	0
chr1	1.69E+08	1.69E+08	731	930	1.69E+08	-0.1514	0.028832	0
chr1	1.69E+08	1.69E+08	725	937	1.69E+08	-0.17411	0.01462	0
chr1	1.69E+08	1.69E+08	672	845	1.69E+08	-0.13453	0.045686	0
chr1	1.69E+08	1.69E+08	852	861	1.69E+08	0.180803	0.011232	0
chr1	1.69E+08	1.69E+08	896	920	1.69E+08	0.157828	0.023137	0
chr1	1.69E+08	1.69E+08	781	993	1.69E+08	-0.15051	0.029566	0
chr1	1.69E+08	1.69E+08	641	807	1.69E+08	-0.13628	0.043626	0
chr1	1.7E+08	1.7E+08	702	896	1.7E+08	-0.15606	0.025215	0
chr1	1.7E+08	1.7E+08	870	910	1.7E+08	0.131112	0.048884	0
chr1	1.7E+08	1.7E+08	741	945	1.7E+08	-0.15488	0.026096	0
chr1	1.7E+08	1.7E+08	650	837	1.7E+08	-0.16882	0.017226	0
chr1	1.7E+08	1.7E+08	668	851	1.7E+08	-0.15335	0.02727	0
chr1	1.71E+08	1.71E+08	663	840	1.71E+08	-0.14542	0.034087	0
chr1	1.71E+08	1.71E+08	660	847	1.71E+08	-0.16393	0.019986	0
chr1	1.71E+08	1.71E+08	622	784	1.71E+08	-0.13798	0.041709	0
chr1	1.71E+08	1.71E+08	671	844	1.71E+08	-0.13497	0.045162	0
chr1	1.71E+08	1.71E+08	603	768	1.71E+08	-0.15299	0.027555	0
chr1	1.71E+08	1.72E+08	807	832	1.71E+08	0.151948	0.02751	0
chr1	1.72E+08	1.72E+08	944	965	1.72E+08	0.164221	0.019063	0
chr1	1.72E+08	1.72E+08	915	951	1.72E+08	0.140289	0.038229	0
chr1	1.72E+08	1.72E+08	607	769	1.72E+08	-0.14532	0.034175	0

chr1	1.72E+08	1.72E+08	661	844	1.72E+08	-0.15663	0.024805	0
chr1	1.72E+08	1.72E+08	964	1000	1.72E+08	0.143068	0.035406	0
chr1	1.73E+08	1.73E+08	752	946	1.73E+08	-0.13514	0.044952	0
chr1	1.73E+08	1.73E+08	696	898	1.73E+08	-0.17167	0.015778	0
chr1	1.73E+08	1.74E+08	701	892	1.74E+08	-0.15167	0.028611	0
chr1	1.74E+08	1.74E+08	675	858	1.74E+08	-0.15013	0.029887	0
chr1	1.74E+08	1.74E+08	638	817	1.74E+08	-0.16082	0.021935	0
chr1	1.74E+08	1.74E+08	711	893	1.74E+08	-0.13285	0.04773	0
chr1	1.74E+08	1.74E+08	658	833	1.74E+08	-0.14427	0.035185	0
chr1	1.74E+08	1.74E+08	652	838	1.74E+08	-0.16612	0.018711	0
chr1	1.74E+08	1.75E+08	699	880	1.74E+08	-0.13625	0.043665	0
chr1	1.75E+08	1.75E+08	473	598	1.75E+08	-0.14234	0.037084	0
chr1	1.75E+08	1.75E+08	604	778	1.75E+08	-0.16926	0.016998	0
chr1	1.75E+08	1.76E+08	701	907	1.75E+08	-0.17573	0.013892	0
chr1	1.76E+08	1.76E+08	805	1031	1.76E+08	-0.16102	0.021802	0
chr1	1.76E+08	1.76E+08	578	728	1.76E+08	-0.13691	0.042911	0
chr1	1.76E+08	1.77E+08	745	937	1.77E+08	-0.13485	0.045306	0
chr1	1.77E+08	1.77E+08	712	907	1.77E+08	-0.15326	0.027337	0
chr1	1.77E+08	1.77E+08	598	774	1.77E+08	-0.17623	0.013674	0
chr1	1.77E+08	1.77E+08	627	812	1.77E+08	-0.17705	0.01332	0
chr1	1.77E+08	1.77E+08	679	865	1.77E+08	-0.15333	0.027288	0
chr1	1.77E+08	1.78E+08	616	802	1.78E+08	-0.18471	0.0104	0
chr1	1.78E+08	1.78E+08	595	772	1.78E+08	-0.17975	0.012219	0
chr1	1.78E+08	1.78E+08	674	875	1.78E+08	-0.18057	0.0119	0
chr1	1.78E+08	1.78E+08	700	891	1.78E+08	-0.15211	0.028254	0
chr1	1.78E+08	1.78E+08	828	863	1.78E+08	0.136233	0.042678	0
chr1	1.79E+08	1.79E+08	591	767	1.79E+08	-0.18011	0.01208	0
chr1	1.8E+08	1.8E+08	925	948	1.8E+08	0.160529	0.021334	0
chr1	1.8E+08	1.81E+08	960	986	1.81E+08	0.15741	0.023428	0
chr1	1.82E+08	1.83E+08	767	980	1.83E+08	-0.15759	0.024118	0
chr1	1.83E+08	1.83E+08	871	903	1.83E+08	0.14391	0.034585	0
chr1	1.84E+08	1.85E+08	733	946	1.84E+08	-0.17206	0.015584	0
chr1	1.85E+08	1.85E+08	818	853	1.85E+08	0.135518	0.043504	0
chr1	1.85E+08	1.86E+08	724	920	1.86E+08	-0.14968	0.030265	0
chr1	1.86E+08	1.86E+08	673	857	1.86E+08	-0.15273	0.02776	0
chr1	1.86E+08	1.86E+08	702	884	1.86E+08	-0.13661	0.043246	0
chr1	1.86E+08	1.86E+08	714	912	1.86E+08	-0.15715	0.024434	0
chr1	1.86E+08	1.86E+08	884	909	1.86E+08	0.155729	0.024626	0
chr1	1.86E+08	1.87E+08	718	903	1.87E+08	-0.13478	0.045385	0
chr1	1.87E+08	1.87E+08	651	826	1.87E+08	-0.14752	0.032154	0
chr1	1.88E+08	1.88E+08	710	904	1.88E+08	-0.15254	0.027907	0
chr1	1.88E+08	1.88E+08	618	796	1.88E+08	-0.1692	0.017029	0
chr1	1.9E+08	1.9E+08	673	873	1.9E+08	-0.17941	0.012352	0
chr1	1.9E+08	1.9E+08	663	847	1.9E+08	-0.15739	0.024261	0
chr1	1.9E+08	1.9E+08	649	815	1.9E+08	-0.13262	0.048015	0
chr1	1.9E+08	1.91E+08	634	819	1.9E+08	-0.17342	0.014939	0
chr1	1.9E+08	1.91E+08	630	818	1.91E+08	-0.18079	0.011817	0

chr1	1.91E+08	1.91E+08	605	775	1.91E+08	-0.1613	0.021623	0
chr1	1.91E+08	1.91E+08	647	825	1.91E+08	-0.15467	0.026257	0
chr1	1.91E+08	1.91E+08	645	810	1.91E+08	-0.13266	0.047963	0
chr1	1.91E+08	1.91E+08	616	790	1.91E+08	-0.16296	0.020578	0
chr1	1.91E+08	1.91E+08	581	740	1.91E+08	-0.15302	0.027524	0
chr1	1.91E+08	1.92E+08	581	755	1.91E+08	-0.18198	0.011371	0
chr1	1.92E+08	1.92E+08	663	857	1.92E+08	-0.17432	0.01452	0
chr1	1.92E+08	1.92E+08	660	830	1.92E+08	-0.13468	0.0455	0
chr1	1.92E+08	1.92E+08	661	839	1.92E+08	-0.14806	0.031676	0
chr1	1.93E+08	1.93E+08	766	975	1.93E+08	-0.15209	0.028264	0
chr1	1.93E+08	1.93E+08	780	979	1.93E+08	-0.13187	0.048952	0
chr1	1.94E+08	1.94E+08	706	905	1.94E+08	-0.16229	0.020996	0
chr1	1.94E+08	1.94E+08	627	799	1.94E+08	-0.15377	0.026944	0
chr1	1.94E+08	1.94E+08	646	820	1.94E+08	-0.14813	0.031615	0
chr1	1.94E+08	1.94E+08	643	834	1.94E+08	-0.17927	0.01241	0
chr1	1.94E+08	1.94E+08	569	736	1.94E+08	-0.17531	0.014074	0
chr1	1.95E+08	1.95E+08	623	807	1.95E+08	-0.17737	0.013184	0
chr1	1.95E+08	1.95E+08	601	775	1.95E+08	-0.17087	0.016173	0
chr1	1.95E+08	1.95E+08	633	817	1.95E+08	-0.17217	0.015534	0
chr1	1.95E+08	1.95E+08	616	785	1.95E+08	-0.1538	0.026919	0
chr1	1.97E+08	1.97E+08	643	828	1.97E+08	-0.16885	0.017213	0
chr1	1.97E+08	1.97E+08	383	494	1.97E+08	-0.1712	0.016006	0
chr1	1.97E+08	1.97E+08	935	955	1.97E+08	0.165429	0.018367	0
chr1	1.98E+08	1.98E+08	808	1021	1.98E+08	-0.14159	0.037847	0
chr1	1.98E+08	1.98E+08	718	923	1.98E+08	-0.16638	0.018559	0
chr1	1.98E+08	1.98E+08	740	937	1.98E+08	-0.14456	0.034901	0
chr1	1.98E+08	1.99E+08	738	930	1.98E+08	-0.13765	0.042076	0
chr1	1.99E+08	1.99E+08	674	863	1.99E+08	-0.16065	0.022044	0
chr1	1.99E+08	1.99E+08	686	864	1.99E+08	-0.13686	0.042964	0
chr1	1.99E+08	1.99E+08	637	800	1.99E+08	-0.13274	0.047859	0
chr1	1.99E+08	1.99E+08	709	894	1.99E+08	-0.13853	0.041101	0
chr1	1.99E+08	2E+08	637	813	1.99E+08	-0.156	0.025263	0
chr1	2E+08	2E+08	718	911	2E+08	-0.1475	0.032169	0
chr1	2.02E+08	2.02E+08	1105	1151	2.02E+08	0.137122	0.041669	0
chr1	2.03E+08	2.03E+08	906	933	2.03E+08	0.153597	0.026219	0
chr1	2.03E+08	2.03E+08	923	952	2.03E+08	0.151332	0.028006	0
chr1	2.03E+08	2.03E+08	960	989	2.03E+08	0.153027	0.02666	0
chr1	2.03E+08	2.03E+08	985	1009	2.03E+08	0.161232	0.020885	0
chr1	2.03E+08	2.04E+08	1088	1105	2.04E+08	0.173595	0.014203	0
chr1	2.04E+08	2.04E+08	809	1043	2.04E+08	-0.17056	0.016326	0
chr1	2.05E+08	2.06E+08	1089	1137	2.06E+08	0.133735	0.045621	0
chr1	2.06E+08	2.06E+08	11	14	2.06E+08	-0.15196	0.028373	0
chr1	2.06E+08	2.06E+08	551	564	2.06E+08	0.16232	0.020205	0
chr1	2.06E+08	2.06E+08	338	349	2.06E+08	0.149759	0.029305	0
chr1	2.07E+08	2.07E+08	186	191	2.07E+08	0.157693	0.023231	0
chr1	2.07E+08	2.07E+08	1110	1127	2.07E+08	0.174035	0.014004	0
chr1	2.07E+08	2.07E+08	1042	1081	2.07E+08	0.142952	0.035521	0

chr1	2.07E+08	2.07E+08	1068	1091	2.07E+08	0.165224	0.018484	0
chr1	2.07E+08	2.08E+08	955	982	2.07E+08	0.155741	0.024617	0
chr1	2.09E+08	2.09E+08	687	866	2.09E+08	-0.13809	0.041578	0
chr1	2.1E+08	2.1E+08	752	958	2.1E+08	-0.15333	0.027284	0
chr1	2.1E+08	2.1E+08	690	872	2.1E+08	-0.14177	0.037666	0
chr1	2.11E+08	2.11E+08	756	976	2.11E+08	-0.17253	0.015358	0
chr1	2.11E+08	2.11E+08	560	707	2.11E+08	-0.14032	0.03917	0
chr1	2.11E+08	2.11E+08	659	850	2.11E+08	-0.17122	0.015997	0
chr1	2.12E+08	2.12E+08	878	903	2.12E+08	0.155458	0.024824	0
chr1	2.12E+08	2.12E+08	928	958	2.12E+08	0.150062	0.029051	0
chr1	2.12E+08	2.12E+08	962	972	2.12E+08	0.181044	0.011143	0
chr1	2.13E+08	2.13E+08	1030	1062	2.13E+08	0.151824	0.02761	0
chr1	2.14E+08	2.14E+08	729	916	2.14E+08	-0.13347	0.046969	0
chr1	2.14E+08	2.14E+08	801	1035	2.14E+08	-0.17379	0.014764	0
chr1	2.14E+08	2.14E+08	779	1015	2.14E+08	-0.18582	0.010027	0
chr1	2.14E+08	2.14E+08	776	976	2.14E+08	-0.13486	0.045287	0
chr1	2.14E+08	2.14E+08	798	1012	2.14E+08	-0.14679	0.032819	0
chr1	2.15E+08	2.16E+08	698	893	2.16E+08	-0.15947	0.022825	0
chr1	2.16E+08	2.16E+08	601	754	2.16E+08	-0.13124	0.04976	0
chr1	2.16E+08	2.16E+08	617	800	2.16E+08	-0.17877	0.012611	0
chr1	2.17E+08	2.17E+08	629	812	2.17E+08	-0.17246	0.015394	0
chr1	2.17E+08	2.17E+08	687	879	2.17E+08	-0.15959	0.022745	0
chr1	2.17E+08	2.17E+08	776	804	2.17E+08	0.144824	0.033712	0
chr1	2.17E+08	2.17E+08	704	900	2.17E+08	-0.15839	0.023564	0
chr1	2.18E+08	2.18E+08	665	841	2.18E+08	-0.14279	0.036636	0
chr1	2.18E+08	2.18E+08	730	939	2.18E+08	-0.16727	0.018068	0
chr1	2.18E+08	2.18E+08	757	961	2.18E+08	-0.14828	0.031479	0
chr1	2.18E+08	2.18E+08	722	920	2.18E+08	-0.15367	0.027018	0
chr1	2.19E+08	2.19E+08	772	1000	2.19E+08	-0.17736	0.013188	0
chr1	2.19E+08	2.19E+08	692	879	2.19E+08	-0.14913	0.030739	0
chr1	2.2E+08	2.2E+08	686	870	2.2E+08	-0.14684	0.032766	0
chr1	2.2E+08	2.2E+08	765	969	2.2E+08	-0.14507	0.034411	0
chr1	2.2E+08	2.2E+08	705	900	2.2E+08	-0.15634	0.025015	0
chr1	2.2E+08	2.2E+08	832	866	2.2E+08	0.13818	0.040493	0
chr1	2.2E+08	2.2E+08	808	838	2.2E+08	0.143368	0.035112	0
chr1	2.21E+08	2.21E+08	794	1028	2.21E+08	-0.17667	0.013484	0
chr1	2.21E+08	2.21E+08	796	1032	2.21E+08	-0.17864	0.012662	0
chr1	2.22E+08	2.23E+08	742	961	2.22E+08	-0.17715	0.013277	0
chr1	2.23E+08	2.23E+08	740	942	2.23E+08	-0.15224	0.028149	0
chr1	2.23E+08	2.23E+08	992	1035	2.23E+08	0.134744	0.044412	0
chr1	2.23E+08	2.23E+08	990	1013	2.23E+08	0.162829	0.019894	0
chr1	2.24E+08	2.24E+08	971	990	2.24E+08	0.168006	0.016953	0
chr1	2.24E+08	2.24E+08	790	825	2.24E+08	0.133422	0.046001	0
chr1	2.24E+08	2.25E+08	852	859	2.25E+08	0.184158	0.010044	0
chr1	2.25E+08	2.25E+08	585	739	2.25E+08	-0.14117	0.038277	0
chr1	2.26E+08	2.26E+08	1015	1035	2.26E+08	0.167812	0.017056	0
chr1	2.26E+08	2.26E+08	804	1023	2.26E+08	-0.15158	0.028685	0

chr1	2.26E+08	2.26E+08	848	887	2.26E+08	0.131093	0.048908	0
chr1	2.26E+08	2.26E+08	907	948	2.26E+08	0.132179	0.047535	0
chr1	2.26E+08	2.26E+08	901	916	2.26E+08	0.172143	0.014878	0
chr1	2.26E+08	2.27E+08	856	881	2.26E+08	0.154432	0.025585	0
chr1	2.27E+08	2.27E+08	1146	1169	2.27E+08	0.167295	0.017333	0
chr1	2.27E+08	2.27E+08	887	921	2.27E+08	0.141696	0.036778	0
chr1	2.27E+08	2.27E+08	988	1003	2.27E+08	0.174224	0.013919	0
chr1	2.27E+08	2.27E+08	953	995	2.27E+08	0.133743	0.045611	0
chr1	2.28E+08	2.28E+08	721	908	2.28E+08	-0.13673	0.043112	0
chr1	2.28E+08	2.28E+08	1007	1040	2.28E+08	0.149443	0.029572	0
chr1	2.28E+08	2.28E+08	944	962	2.28E+08	0.168713	0.016581	0
chr1	2.28E+08	2.28E+08	1203	1255	2.28E+08	0.134912	0.044214	0
chr1	2.28E+08	2.29E+08	1143	1195	2.28E+08	0.131778	0.048038	0
chr1	2.29E+08	2.29E+08	1101	1133	2.29E+08	0.15463	0.025437	0
chr1	2.29E+08	2.29E+08	981	1008	2.29E+08	0.156792	0.023862	0
chr1	2.29E+08	2.29E+08	574	588	2.29E+08	0.161198	0.020907	0
chr1	2.29E+08	2.29E+08	968	1004	2.29E+08	0.143283	0.035195	0
chr1	2.3E+08	2.3E+08	1100	1132	2.3E+08	0.154593	0.025465	0
chr1	2.3E+08	2.3E+08	1006	1040	2.3E+08	0.14801	0.030809	0
chr1	2.3E+08	2.3E+08	1025	1040	2.3E+08	0.175003	0.013574	0
chr1	2.3E+08	2.31E+08	1018	1054	2.3E+08	0.145826	0.032776	0
chr1	2.31E+08	2.31E+08	741	958	2.31E+08	-0.17459	0.014399	0
chr1	2.31E+08	2.31E+08	725	916	2.31E+08	-0.1414	0.038041	0
chr1	2.31E+08	2.31E+08	922	961	2.31E+08	0.136193	0.042724	0
chr1	2.35E+08	2.35E+08	1064	1097	2.35E+08	0.151898	0.02755	0
chr1	2.35E+08	2.35E+08	958	1000	2.35E+08	0.134061	0.045228	0
chr1	2.36E+08	2.36E+08	708	739	2.36E+08	0.134138	0.045135	0
chr1	2.36E+08	2.36E+08	840	860	2.36E+08	0.162016	0.020394	0
chr1	2.37E+08	2.37E+08	830	854	2.37E+08	0.154838	0.025281	0
chr1	2.37E+08	2.37E+08	708	896	2.37E+08	-0.14379	0.035651	0
chr1	2.37E+08	2.37E+08	858	885	2.37E+08	0.151263	0.028062	0
chr1	2.37E+08	2.37E+08	890	913	2.37E+08	0.159154	0.022237	0
chr1	2.38E+08	2.38E+08	743	946	2.38E+08	-0.15251	0.027928	0
chr1	2.38E+08	2.38E+08	700	885	2.38E+08	-0.14236	0.037067	0
chr1	2.38E+08	2.38E+08	669	856	2.38E+08	-0.15964	0.02271	0
chr1	2.38E+08	2.38E+08	645	826	2.38E+08	-0.16088	0.021894	0
chr1	2.38E+08	2.39E+08	697	725	2.39E+08	0.139141	0.039449	0
chr1	2.39E+08	2.39E+08	610	784	2.39E+08	-0.16608	0.01873	0
chr1	2.39E+08	2.39E+08	626	800	2.39E+08	-0.15787	0.02392	0
chr1	2.39E+08	2.39E+08	625	797	2.39E+08	-0.15476	0.026185	0
chr1	2.4E+08	2.4E+08	653	848	2.4E+08	-0.18102	0.011729	0
chr1	2.4E+08	2.4E+08	592	749	2.4E+08	-0.14341	0.036024	0
chr1	2.4E+08	2.4E+08	699	895	2.4E+08	-0.16063	0.022055	0
chr1	2.42E+08	2.42E+08	835	1048	2.42E+08	-0.13183	0.049007	0
chr1	2.42E+08	2.42E+08	873	904	2.42E+08	0.145622	0.032964	0
chr1	2.42E+08	2.42E+08	843	853	2.42E+08	0.17895	0.011939	0
chr1	2.42E+08	2.42E+08	762	796	2.42E+08	0.132986	0.046534	0



chr1	2.42E+08	2.42E+08	480	606	2.42E+08	-0.14032	0.03917	0
chr1	2.43E+08	2.43E+08	605	771	2.43E+08	-0.15383	0.026894	0
chr1	2.43E+08	2.43E+08	647	835	2.43E+08	-0.17205	0.015592	0
chr1	2.43E+08	2.43E+08	96	97	2.43E+08	0.181013	0.011154	0
chr1	2.44E+08	2.44E+08	924	967	2.44E+08	0.13034	0.049879	0
chr1	2.44E+08	2.44E+08	952	993	2.44E+08	0.135131	0.043957	0
chr1	2.45E+08	2.45E+08	831	852	2.45E+08	0.159958	0.021705	0
chr1	2.45E+08	2.45E+08	891	927	2.45E+08	0.138819	0.039796	0
chr1	2.45E+08	2.45E+08	917	953	2.45E+08	0.140409	0.038104	0
chr1	2.46E+08	2.46E+08	724	934	2.46E+08	-0.17147	0.015874	0
chr1	2.47E+08	2.47E+08	842	860	2.47E+08	0.165447	0.018357	0
chr1	2.47E+08	2.48E+08	924	953	2.48E+08	0.15138	0.027967	0
chr1	2.48E+08	2.48E+08	464	603	2.48E+08	-0.18207	0.011336	0
chr1	2.48E+08	2.48E+08	474	613	2.48E+08	-0.17504	0.014198	0
chr1	2.49E+08	2.49E+08	71	90	2.49E+08	-0.14614	0.033409	0
chr10	1	100000	18	24	50000	-0.21907	0.003112	0
chr10	50001	150000	278	244	1.00E+05	0.384167	7.27E-07	0
chr10	500001	600000	862	862	550000	0.195963	0.006694	0
chr10	650001	750000	1049	996	7.00E+05	0.27076	0.000323	0
chr10	700001	800000	922	917	750000	0.203808	0.005056	0
chr10	950001	1050000	976	974	1.00E+06	0.198922	0.006028	0
chr10	1000001	1100000	961	959	1050000	0.198969	0.006018	0
chr10	2050001	2150000	748	979	2100000	-0.19231	0.008074	0
chr10	2350001	2450000	745	983	2400000	-0.20399	0.005389	0
chr10	6200001	6300000	985	987	6250000	0.193037	0.007416	0
chr10	6250001	6350000	939	944	6300000	0.188301	0.00873	0
chr10	6900001	7000000	696	925	6950000	-0.2144	0.003701	0
chr10	8600001	8700000	653	851	8650000	-0.18611	0.009931	0
chr10	8650001	8750000	644	883	8700000	-0.25939	0.000619	0
chr10	8800001	8900000	608	793	8850000	-0.18729	0.009552	0
chr10	8850001	8950000	600	784	8900000	-0.18993	0.008747	0
chr10	9250001	9350000	628	892	9300000	-0.31032	5.93E-05	0
chr10	9300001	9400000	650	862	9350000	-0.21129	0.004148	0
chr10	10450001	10550000	629	860	10500000	-0.25531	0.000736	0
chr10	10500001	10600000	637	909	10550000	-0.31702	4.25E-05	0
chr10	12350001	12450000	861	832	12400000	0.245393	0.000987	0
chr10	14600001	14700000	986	984	14650000	0.198892	0.006034	0
chr10	16100001	16200000	630	827	16150000	-0.19657	0.00698	0
chr10	16600001	16700000	654	908	16650000	-0.27744	0.00028	0
chr10	17200001	17300000	921	928	17250000	0.185039	0.009751	0
chr10	17650001	17750000	863	847	17700000	0.222962	0.002457	0
chr10	17700001	17800000	671	655	17750000	0.230781	0.001803	0
chr10	17800001	17900000	5	7	17850000	-0.28946	0.000161	0
chr10	17850001	17950000	3	6	17900000	-0.80404	3.29E-21	0
chr10	17900001	18000000	1	5	17950000	-2.12597	6.56E-79	0
chr10	17950001	18050000	1	4	1.80E+07	-1.80404	2.39E-66	0
chr10	18050001	18150000	2	5	18100000	-1.12597	1.27E-35	0

chr10	18100001	18200000	2	8	18150000	-1.80404	2.39E-66	0
chr10	18500001	18600000	668	877	18550000	-0.19677	0.006934	0
chr10	18850001	18950000	712	704	18900000	0.212265	0.0037	0
chr10	19900001	20000000	568	754	19950000	-0.21271	0.003938	0
chr10	20050001	20150000	621	814	20100000	-0.19447	0.007501	0
chr10	20100001	20200000	635	847	20150000	-0.21964	0.003047	0
chr10	20900001	21000000	655	863	20950000	-0.2019	0.0058	0
chr10	25700001	25800000	611	803	25750000	-0.19826	0.006584	0
chr10	26000001	26100000	548	723	26050000	-0.20386	0.005414	0
chr10	26050001	26150000	621	815	26100000	-0.19624	0.00706	0
chr10	28850001	28950000	940	938	28900000	0.199036	0.006003	0
chr10	34050001	34150000	648	846	34100000	-0.1887	0.009114	0
chr10	36300001	36400000	647	855	36350000	-0.2062	0.004982	0
chr10	36350001	36450000	626	816	36400000	-0.18644	0.009823	0
chr10	36650001	36750000	512	694	36700000	-0.24283	0.001233	0
chr10	36700001	36800000	585	764	36750000	-0.18917	0.008971	0
chr10	37250001	37350000	347	475	37300000	-0.25703	0.000684	0
chr10	37300001	37400000	349	456	37350000	-0.18984	0.008772	0
chr10	37350001	37450000	380	498	37400000	-0.19418	0.007575	0
chr10	37400001	37500000	234	327	37450000	-0.28682	0.000183	0
chr10	37450001	37550000	328	457	37500000	-0.28254	0.000222	0
chr10	37500001	37600000	525	698	37550000	-0.21495	0.003627	0
chr10	37900001	38000000	462	608	37950000	-0.20022	0.006153	0
chr10	38150001	38250000	606	811	38200000	-0.22442	0.002543	0
chr10	38450001	38550000	280	367	38500000	-0.19439	0.007522	0
chr10	38500001	38600000	160	245	38550000	-0.41875	1.36E-07	0
chr10	38550001	38650000	140	184	38600000	-0.19832	0.006573	0
chr10	38600001	38700000	102	99	38650000	0.239032	0.001288	0
chr10	38650001	38750000	76	74	38700000	0.234437	0.001555	0
chr10	46200001	46300000	43	61	46250000	-0.30851	6.49E-05	0
chr10	46250001	46350000	11	10	46300000	0.333467	1.38E-05	0
chr10	46450001	46550000	9	8	46500000	0.365888	2.19E-06	0
chr10	46500001	46600000	10	14	46550000	-0.28946	0.000161	0
chr10	46850001	46950000	20	17	46900000	0.430428	3.65E-08	0
chr10	47400001	47500000	4	6	47450000	-0.389	8.31E-07	0
chr10	47450001	47550000	53	70	47500000	-0.2054	0.005126	0
chr10	47750001	47850000	1	3	47800000	-1.389	6.26E-48	0
chr10	47800001	47900000	0	1	47850000	#NAME?	3.67E-137	0
chr10	47850001	47950000	0	1	47900000	#NAME?	3.67E-137	0
chr10	47900001	48000000	6	8	47950000	-0.21907	0.003112	0
chr10	47950001	48050000	12	9	4.80E+07	0.611001	2.44E-14	0
chr10	48000001	48100000	6	1	48050000	2.780926	2.00E-112	0
chr10	48050001	48150000	2	1	48100000	1.195963	1.84E-42	0
chr10	48100001	48200000	2	2	48150000	0.195963	0.006694	0
chr10	48150001	48250000	0	1	48200000	#NAME?	3.67E-137	0
chr10	48650001	48750000	150	144	48700000	0.254857	0.000658	0
chr10	48700001	48800000	1	3	48750000	-1.389	6.26E-48	0

chr10	48750001	48850000	3	3	48800000	0.195963	0.006694	0
chr10	48800001	48900000	11	7	48850000	0.84804	1.20E-24	0
chr10	48850001	48950000	15	8	48900000	1.102854	1.62E-37	0
chr10	48900001	49000000	17	17	48950000	0.195963	0.006694	0
chr10	48950001	49050000	10	15	4.90E+07	-0.389	8.31E-07	0
chr10	49000001	49100000	1	2	49050000	-0.80404	3.29E-21	0
chr10	49050001	49150000	1	1	49100000	0.195963	0.006694	0
chr10	49100001	49200000	0	1	49150000	#NAME?	3.67E-137	0
chr10	49150001	49250000	9	18	49200000	-0.80404	3.29E-21	0
chr10	49200001	49300000	12	18	49250000	-0.389	8.31E-07	0
chr10	49250001	49350000	5	3	49300000	0.932929	8.75E-29	0
chr10	49300001	49400000	110	104	49350000	0.276883	0.000243	0
chr10	51200001	51300000	5	2	51250000	1.517891	1.18E-59	0
chr10	51250001	51350000	3	2	51300000	0.780926	1.60E-21	0
chr10	51300001	51400000	3	7	51350000	-1.02643	5.11E-31	0
chr10	51350001	51450000	3	7	51400000	-1.02643	5.11E-31	0
chr10	51400001	51500000	89	67	51450000	0.605607	3.93E-14	0
chr10	51600001	51700000	4	2	51650000	1.195963	1.84E-42	0
chr10	51650001	51750000	15	27	51700000	-0.65203	3.56E-15	0
chr10	51800001	51900000	52	76	51850000	-0.35152	6.99E-06	0
chr10	51850001	51950000	4	7	51900000	-0.61139	1.08E-13	0
chr10	51900001	52000000	7	3	51950000	1.418355	2.22E-54	0
chr10	52450001	52550000	147	140	52500000	0.266352	0.000395	0
chr10	52550001	52650000	924	1205	52600000	-0.18711	0.00961	0
chr10	52600001	52700000	877	1165	52650000	-0.21372	0.003795	0
chr10	53650001	53750000	802	1061	53700000	-0.20779	0.004706	0
chr10	54550001	54650000	806	1056	54600000	-0.1938	0.007676	0
chr10	54750001	54850000	826	1077	54800000	-0.18684	0.009694	0
chr10	54900001	55000000	752	1026	54950000	-0.25226	0.000836	0
chr10	54950001	55050000	759	1037	5.50E+07	-0.25428	0.000768	0
chr10	55100001	55200000	704	920	55150000	-0.1901	0.008698	0
chr10	55550001	55650000	702	949	55600000	-0.23897	0.00144	0
chr10	55900001	56000000	683	898	55950000	-0.19887	0.006448	0
chr10	56150001	56250000	601	792	56200000	-0.20217	0.005745	0
chr10	56850001	56950000	741	975	56900000	-0.19997	0.006206	0
chr10	56900001	57000000	725	970	56950000	-0.22404	0.00258	0
chr10	57500001	57600000	527	707	57550000	-0.22794	0.002222	0
chr10	58150001	58250000	638	855	58200000	-0.2264	0.002357	0
chr10	58450001	58550000	750	980	58500000	-0.18993	0.008747	0
chr10	58500001	58600000	763	1008	58550000	-0.20578	0.005057	0
chr10	58750001	58850000	774	1027	58800000	-0.21207	0.004031	0
chr10	59450001	59550000	726	960	59500000	-0.2071	0.004823	0
chr10	59600001	59700000	725	952	59650000	-0.19702	0.006874	0
chr10	59650001	59750000	772	1049	59700000	-0.24638	0.001067	0
chr10	59700001	59800000	803	1113	59750000	-0.27502	0.000312	0
chr10	60900001	61000000	670	668	60950000	0.200276	0.005743	0
chr10	62050001	62150000	691	919	62100000	-0.21542	0.003565	0

chr10	65500001	65600000	668	888	65550000	-0.21475	0.003654	0
chr10	66150001	66250000	588	786	66200000	-0.22275	0.00271	0
chr10	66200001	66300000	576	756	66250000	-0.19635	0.007033	0
chr10	66750001	66850000	577	817	66800000	-0.3058	7.41E-05	0
chr10	66800001	66900000	502	693	66850000	-0.2692	0.000404	0
chr10	67000001	67100000	566	744	67050000	-0.19854	0.006522	0
chr10	67450001	67550000	591	780	67500000	-0.20435	0.00532	0
chr10	68500001	68600000	667	870	68550000	-0.18737	0.009527	0
chr10	68550001	68650000	645	872	68600000	-0.23907	0.001435	0
chr10	69250001	69350000	517	689	69300000	-0.21838	0.003194	0
chr10	69800001	69900000	951	940	69850000	0.212748	0.003634	0
chr10	69850001	69950000	1000	946	69900000	0.276051	0.000253	0
chr10	70050001	70150000	874	880	70100000	0.186093	0.009411	0
chr10	70200001	70300000	742	735	70250000	0.209638	0.004081	0
chr10	70250001	70350000	736	739	70300000	0.190094	0.00821	0
chr10	70650001	70750000	885	880	70700000	0.204137	0.004996	0
chr10	70900001	71000000	929	934	70950000	0.188219	0.008755	0
chr10	71550001	71650000	1178	1181	71600000	0.192294	0.00761	0
chr10	73550001	73650000	1033	977	73600000	0.276373	0.000249	0
chr10	73600001	73700000	904	875	73650000	0.243003	0.001092	0
chr10	73850001	73950000	950	937	73900000	0.215842	0.003232	0
chr10	74000001	74100000	1005	882	74050000	0.384308	7.20E-07	0
chr10	74050001	74150000	1039	943	74100000	0.335829	1.22E-05	0
chr10	75450001	75550000	698	687	75500000	0.21888	0.002878	0
chr10	75500001	75600000	1111	1088	75550000	0.226143	0.002168	0
chr10	75550001	75650000	1174	1178	75600000	0.191056	0.007943	0
chr10	78600001	78700000	648	897	78650000	-0.27315	0.00034	0
chr10	78650001	78750000	757	991	78700000	-0.19263	0.007986	0
chr10	79650001	79750000	971	976	79700000	0.188553	0.008656	0
chr10	80950001	81050000	1184	1189	8.10E+07	0.189883	0.00827	0
chr10	81400001	81500000	79	78	81450000	0.214342	0.003422	0
chr10	82400001	82500000	740	974	82450000	-0.20043	0.006106	0
chr10	82550001	82650000	542	741	82600000	-0.25522	0.000739	0
chr10	82600001	82700000	592	819	82650000	-0.2723	0.000353	0
chr10	83250001	83350000	569	766	83300000	-0.23295	0.001829	0
chr10	83900001	84000000	634	834	83950000	-0.1996	0.006286	0
chr10	84100001	84200000	558	737	84150000	-0.20544	0.005119	0
chr10	84700001	84800000	604	802	84750000	-0.21309	0.003883	0
chr10	86400001	86500000	622	815	86450000	-0.19392	0.007643	0
chr10	87300001	87400000	700	915	87350000	-0.19045	0.008594	0
chr10	88700001	88800000	698	675	88750000	0.244303	0.001034	0
chr10	88750001	88850000	484	482	88800000	0.201937	0.00541	0
chr10	88800001	88900000	537	530	88850000	0.214893	0.003351	0
chr10	88900001	89000000	77	110	88950000	-0.31861	3.93E-05	0
chr10	89050001	89150000	30	41	89100000	-0.2547	0.000755	0
chr10	95200001	95300000	872	876	95250000	0.18936	0.00842	0
chr10	96750001	96850000	488	668	96800000	-0.257	0.000685	0

chr10	97900001	98000000	726	951	97950000	-0.19351	0.00775	0
chr10	98850001	98950000	1151	1140	98900000	0.209817	0.004054	0
chr10	98900001	99000000	1038	1040	98950000	0.193186	0.007377	0
chr10	99050001	99150000	978	916	99100000	0.29045	0.000128	0
chr10	99100001	99200000	952	917	99150000	0.250003	0.000811	0
chr10	99350001	99450000	976	974	99400000	0.198922	0.006028	0
chr10	99400001	99500000	1008	978	99450000	0.239552	0.001261	0
chr10	99450001	99550000	1068	1021	99500000	0.260892	0.000504	0
chr10	99900001	1E+08	493	647	99950000	-0.19622	0.007067	0
chr10	1.01E+08	1.01E+08	397	524	1.01E+08	-0.20446	0.005299	0
chr10	1.02E+08	1.02E+08	529	513	1.02E+08	0.240272	0.001223	0
chr10	1.02E+08	1.02E+08	701	687	1.02E+08	0.225067	0.002262	0
chr10	1.02E+08	1.02E+08	713	685	1.02E+08	0.253761	0.00069	0
chr10	1.03E+08	1.03E+08	800	769	1.03E+08	0.252979	0.000714	0
chr10	1.03E+08	1.03E+08	726	673	1.03E+08	0.305326	6.09E-05	0
chr10	1.03E+08	1.03E+08	680	676	1.03E+08	0.204475	0.004935	0
chr10	1.03E+08	1.03E+08	748	730	1.03E+08	0.231105	0.001779	0
chr10	1.04E+08	1.04E+08	641	639	1.04E+08	0.200471	0.005703	0
chr10	1.04E+08	1.04E+08	606	580	1.04E+08	0.259228	0.000543	0
chr10	1.04E+08	1.04E+08	690	681	1.04E+08	0.214905	0.003349	0
chr10	1.04E+08	1.04E+08	632	609	1.04E+08	0.249445	0.000831	0
chr10	1.05E+08	1.05E+08	603	593	1.05E+08	0.220089	0.002747	0
chr10	1.05E+08	1.05E+08	500	497	1.05E+08	0.204645	0.004904	0
chr10	1.05E+08	1.05E+08	615	588	1.05E+08	0.260733	0.000508	0
chr10	1.05E+08	1.05E+08	722	698	1.05E+08	0.244735	0.001015	0
chr10	1.05E+08	1.05E+08	827	789	1.05E+08	0.263825	0.000443	0
chr10	1.05E+08	1.05E+08	829	793	1.05E+08	0.260014	0.000524	0
chr10	1.05E+08	1.06E+08	772	775	1.05E+08	0.190368	0.008133	0
chr10	1.06E+08	1.06E+08	762	743	1.06E+08	0.232392	0.001689	0
chr10	1.06E+08	1.06E+08	752	755	1.06E+08	0.190219	0.008175	0
chr10	1.08E+08	1.08E+08	380	498	1.08E+08	-0.19418	0.007575	0
chr10	1.08E+08	1.08E+08	371	497	1.08E+08	-0.22586	0.002407	0
chr10	1.08E+08	1.08E+08	388	534	1.08E+08	-0.26482	0.00049	0
chr10	1.08E+08	1.08E+08	401	542	1.08E+08	-0.23873	0.001455	0
chr10	1.08E+08	1.08E+08	406	562	1.08E+08	-0.27313	0.00034	0
chr10	1.08E+08	1.08E+08	401	552	1.08E+08	-0.2651	0.000484	0
chr10	1.08E+08	1.08E+08	406	565	1.08E+08	-0.28081	0.000241	0
chr10	1.08E+08	1.09E+08	405	546	1.08E+08	-0.23502	0.001686	0
chr10	1.09E+08	1.09E+08	404	535	1.09E+08	-0.20922	0.00447	0
chr10	1.09E+08	1.09E+08	362	494	1.09E+08	-0.25256	0.000826	0
chr10	1.09E+08	1.09E+08	370	501	1.09E+08	-0.24132	0.001311	0
chr10	1.09E+08	1.09E+08	396	540	1.09E+08	-0.2515	0.000863	0
chr10	1.09E+08	1.09E+08	408	538	1.09E+08	-0.20307	0.005566	0
chr10	1.09E+08	1.09E+08	413	560	1.09E+08	-0.24332	0.001209	0
chr10	1.09E+08	1.09E+08	406	559	1.09E+08	-0.26541	0.000477	0
chr10	1.1E+08	1.1E+08	418	551	1.1E+08	-0.20259	0.005662	0
chr10	1.1E+08	1.1E+08	379	514	1.1E+08	-0.24361	0.001195	0

chr10	1.1E+08	1.1E+08	416	564	1.1E+08	-0.24315	0.001217	0
chr10	1.1E+08	1.11E+08	423	565	1.1E+08	-0.22163	0.002827	0
chr10	1.1E+08	1.11E+08	425	563	1.11E+08	-0.20971	0.004392	0
chr10	1.11E+08	1.11E+08	379	494	1.11E+08	-0.18635	0.009853	0
chr10	1.11E+08	1.11E+08	329	459	1.11E+08	-0.28444	0.000204	0
chr10	1.12E+08	1.12E+08	689	692	1.12E+08	0.189695	0.008324	0
chr10	1.13E+08	1.13E+08	739	727	1.13E+08	0.219582	0.002801	0
chr10	1.13E+08	1.13E+08	707	708	1.13E+08	0.193924	0.00719	0
chr10	1.13E+08	1.13E+08	521	682	1.13E+08	-0.19253	0.008014	0
chr10	1.13E+08	1.14E+08	497	693	1.14E+08	-0.28365	0.000211	0
chr10	1.14E+08	1.14E+08	500	655	1.14E+08	-0.1936	0.007726	0
chr10	1.14E+08	1.14E+08	628	629	1.14E+08	0.193668	0.007255	0
chr10	1.15E+08	1.15E+08	645	639	1.15E+08	0.209446	0.00411	0
chr10	1.15E+08	1.16E+08	494	651	1.15E+08	-0.20218	0.005743	0
chr10	1.15E+08	1.16E+08	504	657	1.16E+08	-0.18651	0.009802	0
chr10	1.16E+08	1.16E+08	485	638	1.16E+08	-0.19961	0.006284	0
chr10	1.17E+08	1.17E+08	504	657	1.17E+08	-0.18651	0.009802	0
chr10	1.17E+08	1.17E+08	411	546	1.17E+08	-0.2138	0.003784	0
chr10	1.17E+08	1.17E+08	404	538	1.17E+08	-0.21729	0.003326	0
chr10	1.17E+08	1.17E+08	365	486	1.17E+08	-0.2171	0.00335	0
chr10	1.17E+08	1.18E+08	411	547	1.18E+08	-0.21644	0.003433	0
chr10	1.18E+08	1.18E+08	489	638	1.18E+08	-0.18776	0.009404	0
chr10	1.18E+08	1.18E+08	422	584	1.18E+08	-0.27276	0.000345	0
chr10	1.2E+08	1.2E+08	471	618	1.2E+08	-0.19592	0.007139	0
chr10	1.2E+08	1.2E+08	503	673	1.2E+08	-0.22409	0.002576	0
chr10	1.2E+08	1.2E+08	517	681	1.2E+08	-0.20153	0.005877	0
chr10	1.21E+08	1.21E+08	540	541	1.21E+08	0.193294	0.00735	0
chr10	1.21E+08	1.21E+08	605	607	1.21E+08	0.191202	0.007903	0
chr10	1.21E+08	1.21E+08	678	675	1.21E+08	0.202361	0.005328	0
chr10	1.21E+08	1.22E+08	633	635	1.21E+08	0.191412	0.007846	0
chr10	1.22E+08	1.22E+08	591	587	1.22E+08	0.205761	0.004709	0
chr10	1.23E+08	1.24E+08	602	602	1.24E+08	0.195963	0.006694	0
chr10	1.24E+08	1.24E+08	595	592	1.24E+08	0.203256	0.005158	0
chr10	1.25E+08	1.25E+08	674	679	1.25E+08	0.1853	0.009666	0
chr10	1.27E+08	1.27E+08	755	735	1.27E+08	0.234695	0.001539	0
chr10	1.29E+08	1.3E+08	433	582	1.29E+08	-0.23069	0.001998	0
chr10	1.3E+08	1.3E+08	464	623	1.30E+08	-0.22914	0.002121	0
chr10	1.32E+08	1.33E+08	561	563	1.33E+08	0.190829	0.008005	0
chr10	1.33E+08	1.33E+08	501	666	1.33E+08	-0.21475	0.003654	0
chr10	1.33E+08	1.33E+08	656	630	1.33E+08	0.254307	0.000674	0
chr10	1.33E+08	1.33E+08	665	651	1.33E+08	0.22666	0.002124	0
chr10	1.34E+08	1.34E+08	525	502	1.34E+08	0.260593	0.000511	0
chr10	1.34E+08	1.34E+08	697	672	1.34E+08	0.24866	0.000859	0
chr10	1.34E+08	1.34E+08	817	757	1.34E+08	0.306006	5.88E-05	0
chr10	1.34E+08	1.34E+08	889	837	1.34E+08	0.282919	0.000183	0
chr10	1.34E+08	1.34E+08	878	878	1.34E+08	0.195963	0.006694	0
chr10	1.35E+08	1.35E+08	733	725	1.35E+08	0.211795	0.003766	0

chr10	1.35E+08	1.35E+08	741	706	1.35E+08	0.265768	0.000405	0
chr10	1.35E+08	1.35E+08	832	819	1.35E+08	0.218683	0.0029	0
chr10	1.35E+08	1.35E+08	710	681	1.35E+08	0.256127	0.000622	0
chr10	1.35E+08	1.35E+08	635	621	1.35E+08	0.228126	0.002004	0
chr10	1.35E+08	1.35E+08	413	541	1.35E+08	-0.19352	0.007747	0
chr10	1.35E+08	1.36E+08	109	109	1.36E+08	0.195963	0.006694	0
chr10	1.36E+08	1.36E+08	69	69	1.36E+08	0.195963	0.006694	0
chr10	100001	200000	640	668	150000	0.134187	0.045076	0
chr10	900001	1000000	927	960	950000	0.145498	0.03308	0
chr10	1050001	1150000	948	968	1100000	0.165843	0.018133	0
chr10	1150001	1250000	1039	1083	1200000	0.136125	0.042802	0
chr10	1350001	1450000	982	1027	1400000	0.131322	0.048616	0
chr10	1500001	1600000	985	1013	1550000	0.155524	0.024775	0
chr10	1550001	1650000	982	1010	1600000	0.155403	0.024864	0
chr10	3000001	3100000	824	1045	3050000	-0.14682	0.032784	0
chr10	3150001	3250000	1021	1059	3200000	0.143243	0.035234	0
chr10	4500001	4600000	767	970	4550000	-0.1428	0.036629	0
chr10	4550001	4650000	728	929	4600000	-0.15578	0.025426	0
chr10	5650001	5750000	1063	1111	5700000	0.132246	0.047451	0
chr10	5800001	5900000	834	866	5850000	0.141643	0.036831	0
chr10	5950001	6050000	1025	1042	6.00E+06	0.172232	0.014835	0
chr10	6150001	6250000	974	1010	6200000	0.143601	0.034884	0
chr10	6850001	6950000	643	827	6900000	-0.16711	0.018156	0
chr10	6950001	7050000	721	934	7.00E+06	-0.17746	0.013148	0
chr10	8700001	8800000	647	828	8750000	-0.1599	0.022536	0
chr10	8750001	8850000	628	804	8800000	-0.16047	0.022162	0
chr10	9100001	9200000	620	806	9150000	-0.18255	0.011161	0
chr10	9150001	9250000	631	815	9200000	-0.1732	0.015042	0
chr10	9200001	9300000	645	834	9250000	-0.17479	0.014311	0
chr10	9350001	9450000	661	834	9400000	-0.13943	0.040115	0
chr10	9400001	9500000	643	822	9450000	-0.15836	0.023585	0
chr10	9500001	9600000	529	689	9550000	-0.18527	0.010209	0
chr10	9550001	9650000	555	697	9600000	-0.13271	0.047904	0
chr10	10000001	10100000	593	750	10050000	-0.1429	0.036529	0
chr10	10100001	10200000	597	758	10150000	-0.1485	0.031283	0
chr10	10550001	10650000	674	877	10600000	-0.18387	0.010692	0
chr10	12200001	12300000	924	965	12250000	0.133327	0.046116	0
chr10	12750001	12850000	932	943	12800000	0.179035	0.011905	0
chr10	13100001	13200000	823	849	13150000	0.151091	0.028202	0
chr10	13150001	13250000	905	915	13200000	0.180109	0.011492	0
chr10	13350001	13450000	834	857	13400000	0.156715	0.023917	0
chr10	13400001	13500000	860	895	13450000	0.138412	0.040239	0
chr10	14850001	14950000	914	948	14900000	0.14327	0.035207	0
chr10	15150001	15250000	866	905	15200000	0.132412	0.047243	0
chr10	15200001	15300000	860	875	15250000	0.171017	0.015419	0
chr10	15800001	15900000	837	866	15850000	0.146824	0.031865	0
chr10	15850001	15950000	800	819	15900000	0.1621	0.020342	0

chr10	16550001	16650000	696	884	16600000	-0.149	0.030854	0
chr10	16650001	16750000	704	894	16700000	-0.14874	0.031079	0
chr10	17150001	17250000	845	881	17200000	0.135772	0.043209	0
chr10	18250001	18350000	758	777	18300000	0.160246	0.021517	0
chr10	18550001	18650000	692	885	18600000	-0.15894	0.023183	0
chr10	18600001	18700000	697	878	18650000	-0.1371	0.042692	0
chr10	19050001	19150000	703	891	19100000	-0.14594	0.0336	0
chr10	19100001	19200000	679	874	19150000	-0.16826	0.017527	0
chr10	19150001	19250000	643	833	19200000	-0.17753	0.013117	0
chr10	19650001	19750000	594	763	19700000	-0.16526	0.019204	0
chr10	19700001	19800000	575	734	19750000	-0.15626	0.025076	0
chr10	19850001	19950000	581	740	19900000	-0.15302	0.027524	0
chr10	20350001	20450000	605	761	20400000	-0.135	0.045125	0
chr10	21350001	21450000	716	904	21400000	-0.1404	0.039086	0
chr10	21850001	21950000	642	817	21900000	-0.1518	0.028503	0
chr10	22050001	22150000	636	806	22100000	-0.14579	0.033737	0
chr10	22100001	22200000	634	810	22150000	-0.15748	0.0242	0
chr10	23250001	23350000	743	938	23300000	-0.14026	0.039231	0
chr10	23300001	23400000	777	977	23350000	-0.13448	0.045741	0
chr10	23800001	23900000	618	777	23850000	-0.13434	0.045904	0
chr10	23850001	23950000	614	792	23900000	-0.1713	0.015959	0
chr10	23900001	24000000	647	821	23950000	-0.14765	0.032035	0
chr10	24300001	24400000	638	821	24350000	-0.16786	0.017741	0
chr10	26100001	26200000	694	871	26150000	-0.13177	0.049075	0
chr10	26250001	26350000	619	779	26300000	-0.13572	0.044276	0
chr10	27350001	27450000	832	864	27400000	0.141515	0.036962	0
chr10	28050001	28150000	796	1012	28100000	-0.15041	0.029652	0
chr10	28100001	28200000	675	867	28150000	-0.16518	0.019248	0
chr10	28300001	28400000	796	1035	28350000	-0.18283	0.01106	0
chr10	28350001	28450000	771	980	28400000	-0.15009	0.02992	0
chr10	28600001	28700000	752	949	28650000	-0.13971	0.039816	0
chr10	28800001	28900000	924	939	28850000	0.172731	0.014601	0
chr10	29950001	30050000	892	933	3.00E+07	0.13113	0.048861	0
chr10	30850001	30950000	612	795	30900000	-0.18146	0.011563	0
chr10	31600001	31700000	827	856	31650000	0.14624	0.032395	0
chr10	32750001	32850000	620	797	32800000	-0.16635	0.018579	0
chr10	33150001	33250000	900	916	33200000	0.17054	0.015654	0
chr10	33650001	33750000	764	993	33700000	-0.18226	0.011267	0
chr10	33700001	33800000	720	932	33750000	-0.17637	0.013611	0
chr10	33950001	34050000	701	888	3.40E+07	-0.14518	0.034309	0
chr10	34000001	34100000	723	939	34050000	-0.18117	0.011673	0
chr10	34100001	34200000	646	834	34150000	-0.17255	0.015349	0
chr10	34150001	34250000	689	883	34200000	-0.16195	0.02121	0
chr10	34200001	34300000	691	882	34250000	-0.15613	0.025168	0
chr10	36500001	36600000	617	802	36550000	-0.18237	0.011227	0
chr10	37050001	37150000	559	717	37100000	-0.16316	0.020454	0
chr10	37100001	37200000	483	621	37150000	-0.16661	0.018434	0



chr10	37600001	37700000	531	677	37650000	-0.15448	0.026397	0
chr10	37750001	37850000	518	668	37800000	-0.17093	0.016141	0
chr10	38200001	38300000	611	796	38250000	-0.18563	0.010089	0
chr10	38850001	38950000	265	337	38900000	-0.15079	0.029329	0
chr10	44950001	45050000	634	797	4.50E+07	-0.13413	0.046158	0
chr10	45100001	45200000	706	886	45150000	-0.13168	0.0492	0
chr10	45200001	45300000	770	967	45250000	-0.13269	0.04792	0
chr10	49800001	49900000	987	1030	49850000	0.134441	0.044773	0
chr10	52500001	52600000	505	642	52550000	-0.15033	0.029718	0
chr10	52650001	52750000	911	1162	52700000	-0.15512	0.025911	0
chr10	53250001	53350000	817	1029	53300000	-0.13687	0.04295	0
chr10	53300001	53400000	818	1042	53350000	-0.15322	0.027371	0
chr10	53600001	53700000	869	1123	53650000	-0.17397	0.014684	0
chr10	53700001	53800000	746	944	53750000	-0.14365	0.035786	0
chr10	53900001	54000000	888	1128	53950000	-0.14917	0.030701	0
chr10	54250001	54350000	975	1232	54300000	-0.14157	0.037875	0
chr10	54300001	54400000	994	1248	54350000	-0.13234	0.048366	0
chr10	54500001	54600000	948	1192	54550000	-0.13446	0.045763	0
chr10	54600001	54700000	837	1082	54650000	-0.17444	0.014468	0
chr10	54800001	54900000	821	1041	54850000	-0.14655	0.033032	0
chr10	54850001	54950000	782	989	54900000	-0.14284	0.036586	0
chr10	55000001	55100000	749	961	55050000	-0.16361	0.020182	0
chr10	55050001	55150000	676	856	55100000	-0.14462	0.03484	0
chr10	55500001	55600000	721	930	55550000	-0.17127	0.015974	0
chr10	55750001	55850000	768	966	55800000	-0.13495	0.045177	0
chr10	55800001	55900000	795	1002	55850000	-0.13789	0.041802	0
chr10	55850001	55950000	740	942	55900000	-0.15224	0.028149	0
chr10	55950001	56050000	709	893	5.60E+07	-0.13691	0.042905	0
chr10	56100001	56200000	567	721	56150000	-0.15069	0.029417	0
chr10	56450001	56550000	761	983	56500000	-0.17333	0.014979	0
chr10	56800001	56900000	749	943	56850000	-0.13633	0.043571	0
chr10	56950001	57050000	751	953	5.70E+07	-0.1477	0.031993	0
chr10	57350001	57450000	552	718	57400000	-0.18335	0.010873	0
chr10	57400001	57500000	706	906	57450000	-0.16388	0.020018	0
chr10	57450001	57550000	609	783	57500000	-0.16661	0.018434	0
chr10	57550001	57650000	705	897	57600000	-0.15152	0.028729	0
chr10	57850001	57950000	709	900	57900000	-0.14818	0.031571	0
chr10	58600001	58700000	824	1054	58650000	-0.1592	0.023011	0
chr10	59000001	59100000	765	996	59050000	-0.18472	0.010396	0
chr10	59050001	59150000	795	1008	59100000	-0.14651	0.033075	0
chr10	59400001	59500000	724	929	59450000	-0.16373	0.020111	0
chr10	59550001	59650000	749	943	59600000	-0.13633	0.043571	0
chr10	60100001	60200000	1070	1104	60150000	0.150834	0.028412	0
chr10	60800001	60900000	681	879	60850000	-0.17225	0.015496	0
chr10	62000001	62100000	684	859	62050000	-0.1327	0.047915	0
chr10	62350001	62450000	715	898	62400000	-0.13281	0.047778	0
chr10	63250001	63350000	717	932	63300000	-0.18239	0.011217	0

chr10	63400001	63500000	736	935	63450000	-0.1493	0.030593	0
chr10	63850001	63950000	733	941	63900000	-0.16442	0.019696	0
chr10	63900001	64000000	745	967	63950000	-0.18031	0.011999	0
chr10	64200001	64300000	781	987	64250000	-0.14176	0.037671	0
chr10	65200001	65300000	949	969	65250000	0.165874	0.018115	0
chr10	65550001	65650000	669	846	65600000	-0.14269	0.036736	0
chr10	65700001	65800000	648	819	65750000	-0.14191	0.037526	0
chr10	66250001	66350000	590	753	66300000	-0.15597	0.025283	0
chr10	66300001	66400000	607	771	66350000	-0.14907	0.030788	0
chr10	66700001	66800000	614	787	66750000	-0.16216	0.021075	0
chr10	66950001	67050000	592	755	6.70E+07	-0.15492	0.026067	0
chr10	67050001	67150000	584	746	67100000	-0.15724	0.024365	0
chr10	67100001	67200000	602	765	67150000	-0.14973	0.03022	0
chr10	67200001	67300000	560	707	67250000	-0.14032	0.03917	0
chr10	67250001	67350000	582	753	67300000	-0.17567	0.013918	0
chr10	67400001	67500000	571	743	67450000	-0.18391	0.010677	0
chr10	67650001	67750000	612	770	67700000	-0.13536	0.044694	0
chr10	67700001	67800000	588	748	67750000	-0.15126	0.028944	0
chr10	68600001	68700000	660	842	68650000	-0.15539	0.025712	0
chr10	68700001	68800000	685	872	68750000	-0.15226	0.028131	0
chr10	68750001	68850000	696	886	68800000	-0.15226	0.028134	0
chr10	69200001	69300000	619	799	69250000	-0.17229	0.015473	0
chr10	69750001	69850000	884	901	69800000	0.168482	0.016702	0
chr10	69900001	70000000	958	990	69950000	0.14856	0.030329	0
chr10	70100001	70200000	812	847	70150000	0.135081	0.044016	0
chr10	70150001	70250000	789	799	70200000	0.177793	0.012399	0
chr10	70700001	70800000	878	909	70750000	0.145904	0.032704	0
chr10	71350001	71450000	1084	1123	71400000	0.14497	0.033574	0
chr10	71500001	71600000	1119	1171	71550000	0.130432	0.049759	0
chr10	71900001	72000000	904	926	71950000	0.161274	0.020859	0
chr10	72050001	72150000	1025	1054	72100000	0.155712	0.024638	0
chr10	72350001	72450000	833	848	72400000	0.170215	0.015815	0
chr10	72600001	72700000	1040	1082	72650000	0.138846	0.039767	0
chr10	72950001	73050000	1140	1191	7.30E+07	0.132823	0.046734	0
chr10	73000001	73100000	1131	1149	73050000	0.173183	0.014392	0
chr10	73050001	73150000	1103	1118	73100000	0.176476	0.012943	0
chr10	73950001	74050000	848	872	7.40E+07	0.155699	0.024647	0
chr10	74250001	74350000	861	888	74300000	0.151417	0.027937	0
chr10	74750001	74850000	795	826	74800000	0.140776	0.037722	0
chr10	75100001	75200000	858	894	75150000	0.136666	0.042184	0
chr10	75700001	75800000	855	884	75750000	0.147841	0.030957	0
chr10	75850001	75950000	938	971	75900000	0.14608	0.032542	0
chr10	75900001	76000000	850	889	75950000	0.131242	0.048717	0
chr10	76850001	76950000	860	874	76900000	0.172666	0.014631	0
chr10	77500001	77600000	707	893	77550000	-0.14099	0.038472	0
chr10	77700001	77800000	764	971	77750000	-0.14994	0.030048	0
chr10	78350001	78450000	598	759	78400000	-0.14799	0.031734	0

chr10	78400001	78500000	696	885	78450000	-0.15063	0.029467	0
chr10	78450001	78550000	701	894	78500000	-0.1549	0.026082	0
chr10	78500001	78600000	642	820	78550000	-0.15709	0.024476	0
chr10	78550001	78650000	607	763	78600000	-0.13402	0.046291	0
chr10	79600001	79700000	1029	1074	79650000	0.134212	0.045046	0
chr10	79850001	79950000	808	1016	79900000	-0.13451	0.045706	0
chr10	80600001	80700000	1099	1134	80650000	0.150734	0.028494	0
chr10	80650001	80750000	1160	1198	80700000	0.14946	0.029558	0
chr10	80850001	80950000	1248	1267	80900000	0.174164	0.013946	0
chr10	80900001	81000000	1184	1199	80950000	0.1778	0.012396	0
chr10	82450001	82550000	699	904	82500000	-0.17507	0.014184	0
chr10	82650001	82750000	661	861	82700000	-0.1854	0.010167	0
chr10	82700001	82800000	622	796	82750000	-0.15989	0.022544	0
chr10	83150001	83250000	675	854	83200000	-0.14339	0.036044	0
chr10	83200001	83300000	669	863	83250000	-0.17139	0.015913	0
chr10	83700001	83800000	613	794	83750000	-0.17729	0.01322	0
chr10	83850001	83950000	670	845	83900000	-0.13883	0.040772	0
chr10	84050001	84150000	633	806	84100000	-0.15261	0.027851	0
chr10	84300001	84400000	639	817	84350000	-0.15856	0.023446	0
chr10	84350001	84450000	633	796	84400000	-0.1346	0.045599	0
chr10	84650001	84750000	629	801	84700000	-0.15278	0.027718	0
chr10	86450001	86550000	581	753	86500000	-0.17815	0.012862	0
chr10	86600001	86700000	691	886	86650000	-0.16266	0.020765	0
chr10	86650001	86750000	664	833	86700000	-0.13117	0.049845	0
chr10	86700001	86800000	606	775	86750000	-0.15892	0.023201	0
chr10	86750001	86850000	619	792	86800000	-0.1596	0.022739	0
chr10	86900001	87000000	666	843	86950000	-0.14405	0.035396	0
chr10	87050001	87150000	586	739	87100000	-0.13871	0.040899	0
chr10	87350001	87450000	766	972	87400000	-0.14765	0.032039	0
chr10	88100001	88200000	990	1028	88150000	0.141623	0.036852	0
chr10	88950001	89050000	44	56	8.90E+07	-0.15196	0.028373	0
chr10	89100001	89200000	40	51	89150000	-0.15453	0.026356	0
chr10	89150001	89250000	24	31	89200000	-0.17327	0.015008	0
chr10	89300001	89400000	797	1024	89350000	-0.1656	0.019005	0
chr10	89550001	89650000	921	954	89600000	0.145175	0.033381	0
chr10	90450001	90550000	754	948	90500000	-0.13436	0.045886	0
chr10	91550001	91650000	733	935	91600000	-0.15519	0.025862	0
chr10	91600001	91700000	698	892	91650000	-0.15785	0.023935	0
chr10	92050001	92150000	606	767	92100000	-0.14395	0.035495	0
chr10	92450001	92550000	720	932	92500000	-0.17637	0.013611	0
chr10	92700001	92800000	948	1194	92750000	-0.13688	0.04294	0
chr10	93500001	93600000	837	872	93550000	0.136863	0.041961	0
chr10	93650001	93750000	942	958	93700000	0.171664	0.015106	0
chr10	94350001	94450000	791	817	94400000	0.149305	0.02969	0
chr10	94500001	94600000	870	897	94550000	0.15187	0.027572	0
chr10	95150001	95250000	926	936	95200000	0.180467	0.011357	0
chr10	96050001	96150000	841	876	96100000	0.137138	0.041651	0

chr10	96550001	96650000	449	579	96600000	-0.17088	0.016165	0
chr10	96600001	96700000	533	691	96650000	-0.17859	0.012683	0
chr10	96700001	96800000	505	648	96750000	-0.16375	0.020098	0
chr10	97150001	97250000	948	984	97200000	0.142192	0.036277	0
chr10	97950001	98050000	819	1035	9.80E+07	-0.14173	0.037704	0
chr10	98200001	98300000	907	933	98250000	0.155189	0.025022	0
chr10	98250001	98350000	882	913	98300000	0.146127	0.032499	0
chr10	98550001	98650000	907	924	98600000	0.169173	0.016344	0
chr10	99000001	99100000	829	846	99050000	0.166677	0.017669	0
chr10	99150001	99250000	944	983	99200000	0.137558	0.04118	0
chr10	99200001	99300000	1056	1084	99250000	0.158208	0.022876	0
chr10	99500001	99600000	974	990	99550000	0.172456	0.01473	0
chr10	1.01E+08	1.01E+08	460	578	1.01E+08	-0.13347	0.046961	0
chr10	1.01E+08	1.01E+08	358	457	1.01E+08	-0.15627	0.025064	0
chr10	1.01E+08	1.01E+08	652	675	1.01E+08	0.145947	0.032663	0
chr10	1.01E+08	1.01E+08	635	663	1.01E+08	0.133711	0.04565	0
chr10	1.01E+08	1.01E+08	620	628	1.01E+08	0.177467	0.012532	0
chr10	1.02E+08	1.02E+08	601	606	1.02E+08	0.18401	0.010094	0
chr10	1.02E+08	1.02E+08	571	584	1.02E+08	0.163485	0.019499	0
chr10	1.02E+08	1.02E+08	522	532	1.02E+08	0.168587	0.016647	0
chr10	1.03E+08	1.03E+08	803	825	1.03E+08	0.156969	0.023737	0
chr10	1.03E+08	1.03E+08	780	810	1.03E+08	0.141515	0.036962	0
chr10	1.03E+08	1.03E+08	695	704	1.03E+08	0.177401	0.012559	0
chr10	1.03E+08	1.03E+08	584	606	1.03E+08	0.142614	0.035856	0
chr10	1.04E+08	1.04E+08	708	724	1.04E+08	0.163723	0.019357	0
chr10	1.04E+08	1.04E+08	669	691	1.04E+08	0.149284	0.029708	0
chr10	1.04E+08	1.04E+08	725	746	1.04E+08	0.154768	0.025333	0
chr10	1.04E+08	1.04E+08	659	685	1.04E+08	0.140138	0.038389	0
chr10	1.05E+08	1.05E+08	626	649	1.05E+08	0.143907	0.034588	0
chr10	1.06E+08	1.06E+08	474	607	1.06E+08	-0.16085	0.021915	0
chr10	1.06E+08	1.06E+08	523	660	1.06E+08	-0.13969	0.039838	0
chr10	1.07E+08	1.07E+08	513	662	1.07E+08	-0.17191	0.015659	0
chr10	1.07E+08	1.07E+08	491	629	1.07E+08	-0.16137	0.021575	0
chr10	1.08E+08	1.08E+08	412	517	1.08E+08	-0.13156	0.049351	0
chr10	1.08E+08	1.09E+08	424	544	1.09E+08	-0.16358	0.0202	0
chr10	1.09E+08	1.09E+08	421	530	1.09E+08	-0.13621	0.043709	0
chr10	1.09E+08	1.09E+08	423	549	1.09E+08	-0.18019	0.012049	0
chr10	1.09E+08	1.09E+08	418	531	1.09E+08	-0.14925	0.030638	0
chr10	1.09E+08	1.09E+08	411	518	1.09E+08	-0.13785	0.041848	0
chr10	1.09E+08	1.09E+08	390	505	1.09E+08	-0.17685	0.013407	0
chr10	1.1E+08	1.1E+08	370	474	1.1E+08	-0.1614	0.021559	0
chr10	1.11E+08	1.11E+08	410	530	1.11E+08	-0.17441	0.014483	0
chr10	1.11E+08	1.11E+08	406	518	1.11E+08	-0.15551	0.025624	0
chr10	1.11E+08	1.11E+08	439	452	1.11E+08	0.153861	0.026017	0
chr10	1.11E+08	1.11E+08	386	498	1.11E+08	-0.17158	0.015819	0
chr10	1.11E+08	1.11E+08	360	469	1.11E+08	-0.18563	0.010091	0
chr10	1.11E+08	1.11E+08	340	439	1.11E+08	-0.17272	0.015267	0

chr10	1.12E+08	1.12E+08	405	514	1.12E+08	-0.14788	0.03183	0
chr10	1.12E+08	1.12E+08	516	653	1.12E+08	-0.14375	0.035687	0
chr10	1.13E+08	1.13E+08	577	730	1.13E+08	-0.14336	0.036067	0
chr10	1.13E+08	1.13E+08	551	692	1.13E+08	-0.13276	0.047843	0
chr10	1.13E+08	1.13E+08	562	708	1.13E+08	-0.13722	0.04256	0
chr10	1.13E+08	1.13E+08	519	666	1.13E+08	-0.16382	0.020051	0
chr10	1.13E+08	1.14E+08	456	589	1.13E+08	-0.17327	0.015008	0
chr10	1.14E+08	1.14E+08	488	627	1.14E+08	-0.16562	0.018994	0
chr10	1.14E+08	1.14E+08	634	651	1.14E+08	0.157788	0.023165	0
chr10	1.14E+08	1.14E+08	539	684	1.14E+08	-0.14775	0.031951	0
chr10	1.15E+08	1.15E+08	716	729	1.15E+08	0.170004	0.015921	0
chr10	1.15E+08	1.15E+08	563	728	1.15E+08	-0.17484	0.014286	0
chr10	1.15E+08	1.15E+08	563	715	1.15E+08	-0.14885	0.030984	0
chr10	1.15E+08	1.15E+08	664	691	1.15E+08	0.138461	0.040186	0
chr10	1.16E+08	1.16E+08	542	693	1.16E+08	-0.1586	0.023417	0
chr10	1.16E+08	1.16E+08	528	680	1.16E+08	-0.16903	0.017115	0
chr10	1.17E+08	1.17E+08	385	487	1.17E+08	-0.1431	0.036326	0
chr10	1.17E+08	1.17E+08	392	503	1.17E+08	-0.16374	0.020101	0
chr10	1.17E+08	1.18E+08	417	534	1.17E+08	-0.16083	0.021926	0
chr10	1.18E+08	1.18E+08	509	527	1.18E+08	0.145826	0.032776	0
chr10	1.18E+08	1.18E+08	524	545	1.18E+08	0.139274	0.039306	0
chr10	1.18E+08	1.18E+08	471	599	1.18E+08	-0.15087	0.029269	0
chr10	1.18E+08	1.18E+08	482	606	1.18E+08	-0.13432	0.045932	0
chr10	1.2E+08	1.2E+08	550	692	1.2E+08	-0.13538	0.044678	0
chr10	1.21E+08	1.21E+08	523	546	1.21E+08	0.133873	0.045454	0
chr10	1.21E+08	1.21E+08	732	756	1.21E+08	0.14942	0.029591	0
chr10	1.21E+08	1.22E+08	619	639	1.22E+08	0.150087	0.029031	0
chr10	1.22E+08	1.22E+08	646	667	1.22E+08	0.14981	0.029262	0
chr10	1.22E+08	1.22E+08	603	615	1.22E+08	0.167535	0.017204	0
chr10	1.22E+08	1.22E+08	523	677	1.22E+08	-0.17638	0.013606	0
chr10	1.22E+08	1.22E+08	495	623	1.22E+08	-0.13584	0.044136	0
chr10	1.22E+08	1.22E+08	490	631	1.22E+08	-0.1689	0.017188	0
chr10	1.22E+08	1.22E+08	553	570	1.22E+08	0.152281	0.027246	0
chr10	1.22E+08	1.22E+08	467	589	1.22E+08	-0.13888	0.040712	0
chr10	1.22E+08	1.22E+08	496	624	1.22E+08	-0.13524	0.044836	0
chr10	1.23E+08	1.23E+08	572	586	1.23E+08	0.161078	0.020983	0
chr10	1.23E+08	1.23E+08	524	534	1.23E+08	0.16869	0.016593	0
chr10	1.23E+08	1.23E+08	594	603	1.23E+08	0.174268	0.013899	0
chr10	1.24E+08	1.24E+08	590	610	1.24E+08	0.147869	0.030933	0
chr10	1.24E+08	1.24E+08	547	563	1.24E+08	0.154369	0.025633	0
chr10	1.24E+08	1.24E+08	688	716	1.24E+08	0.138412	0.040239	0
chr10	1.25E+08	1.25E+08	576	588	1.25E+08	0.166216	0.017925	0
chr10	1.25E+08	1.25E+08	515	658	1.25E+08	-0.15755	0.024147	0
chr10	1.25E+08	1.25E+08	636	665	1.25E+08	0.131635	0.048218	0
chr10	1.25E+08	1.25E+08	656	667	1.25E+08	0.171972	0.014959	0
chr10	1.26E+08	1.26E+08	712	733	1.26E+08	0.154027	0.025891	0
chr10	1.26E+08	1.27E+08	646	663	1.26E+08	0.158488	0.022685	0

chr10	1.27E+08	1.27E+08	605	625	1.27E+08	0.149042	0.029914	0
chr10	1.27E+08	1.27E+08	529	689	1.27E+08	-0.18527	0.010209	0
chr10	1.29E+08	1.29E+08	356	370	1.29E+08	0.140315	0.038202	0
chr10	1.29E+08	1.29E+08	495	629	1.29E+08	-0.14967	0.030276	0
chr10	1.29E+08	1.29E+08	515	659	1.29E+08	-0.15974	0.022642	0
chr10	1.29E+08	1.29E+08	468	603	1.29E+08	-0.16969	0.016775	0
chr10	1.29E+08	1.3E+08	410	530	1.3E+08	-0.17441	0.014483	0
chr10	1.3E+08	1.3E+08	487	618	1.3E+08	-0.14772	0.031974	0
chr10	1.31E+08	1.31E+08	453	577	1.31E+08	-0.1531	0.027467	0
chr10	1.31E+08	1.31E+08	483	613	1.31E+08	-0.1479	0.031815	0
chr10	1.31E+08	1.31E+08	510	657	1.31E+08	-0.16943	0.016906	0
chr10	1.31E+08	1.31E+08	493	629	1.31E+08	-0.15551	0.025624	0
chr10	1.32E+08	1.32E+08	589	612	1.32E+08	0.140699	0.037802	0
chr10	1.33E+08	1.33E+08	594	608	1.33E+08	0.162355	0.020184	0
chr10	1.33E+08	1.33E+08	537	678	1.33E+08	-0.1404	0.039086	0
chr10	1.33E+08	1.33E+08	536	559	1.33E+08	0.135348	0.043703	0
chr10	1.34E+08	1.34E+08	654	680	1.34E+08	0.139719	0.038831	0
chr10	1.34E+08	1.34E+08	773	799	1.34E+08	0.148236	0.030611	0
chr10	1.34E+08	1.34E+08	767	800	1.34E+08	0.13519	0.043888	0
chr10	1.35E+08	1.35E+08	795	832	1.35E+08	0.130334	0.049886	0
chr10	1.35E+08	1.35E+08	714	743	1.35E+08	0.138525	0.040115	0
chr10	1.35E+08	1.35E+08	744	755	1.35E+08	0.174789	0.013668	0
chr11	50001	150000	1	5	1.00E+05	-2.12597	6.56E-79	0
chr11	200001	300000	749	750	250000	0.194038	0.007161	0
chr11	250001	350000	697	660	3.00E+05	0.274656	0.00027	0
chr11	300001	400000	703	684	350000	0.235491	0.00149	0
chr11	350001	450000	797	758	4.00E+05	0.268345	0.000361	0
chr11	400001	500000	774	732	450000	0.276453	0.000248	0
chr11	450001	550000	734	673	5.00E+05	0.321137	2.68E-05	0
chr11	500001	600000	753	683	550000	0.336727	1.16E-05	0
chr11	550001	650000	789	744	6.00E+05	0.280686	0.000204	0
chr11	600001	700000	695	690	650000	0.20638	0.004603	0
chr11	650001	750000	651	649	7.00E+05	0.200402	0.005717	0
chr11	700001	800000	717	705	750000	0.220313	0.002723	0
chr11	750001	850000	803	753	8.00E+05	0.288713	0.000139	0
chr11	800001	900000	897	805	850000	0.352082	4.89E-06	0
chr11	850001	950000	809	778	9.00E+05	0.252333	0.000734	0
chr11	900001	1000000	695	668	950000	0.253128	0.000709	0
chr11	1200001	1300000	680	668	1250000	0.22165	0.002586	0
chr11	1250001	1350000	711	687	1300000	0.245502	0.000983	0
chr11	1300001	1400000	730	707	1350000	0.242149	0.001131	0
chr11	1350001	1450000	782	778	1400000	0.203361	0.005139	0
chr11	1450001	1550000	785	780	1500000	0.205182	0.004809	0
chr11	1500001	1600000	849	794	1550000	0.292589	0.000115	0
chr11	1550001	1650000	680	662	1600000	0.234667	0.001541	0
chr11	1600001	1700000	537	532	1650000	0.209459	0.004109	0
chr11	1650001	1750000	584	554	1700000	0.272045	0.000305	0

chr11	1700001	1800000	720	689	1750000	0.259456	0.000538	0
chr11	1750001	1850000	793	769	1800000	0.2403	0.001222	0
chr11	1950001	2050000	834	815	2.00E+06	0.22921	0.00192	0
chr11	2350001	2450000	771	726	2400000	0.282724	0.000185	0
chr11	2400001	2500000	863	808	2450000	0.290968	0.000124	0
chr11	2850001	2950000	1287	1246	2900000	0.242671	0.001107	0
chr11	2900001	3000000	1656	1549	2950000	0.292329	0.000116	0
chr11	3250001	3350000	263	258	3300000	0.223655	0.002391	0
chr11	3400001	3500000	286	287	3450000	0.190927	0.007978	0
chr11	3500001	3600000	125	171	3550000	-0.25611	0.000712	0
chr11	3700001	3800000	1148	1143	3750000	0.20226	0.005348	0
chr11	3750001	3850000	1178	1159	3800000	0.219422	0.002818	0
chr11	4300001	4400000	158	213	4350000	-0.23497	0.001689	0
chr11	7200001	7300000	680	897	7250000	-0.20361	0.005461	0
chr11	7300001	7400000	634	836	7350000	-0.20306	0.005569	0
chr11	7350001	7450000	670	906	7400000	-0.23939	0.001417	0
chr11	9350001	9450000	1057	1022	9400000	0.244543	0.001023	0
chr11	9400001	9500000	1094	1075	9450000	0.221239	0.002627	0
chr11	10250001	10350000	996	994	10300000	0.198863	0.00604	0
chr11	15000001	15100000	449	604	15050000	-0.23187	0.001908	0
chr11	15900001	16000000	464	631	15950000	-0.24755	0.001017	0
chr11	17900001	18000000	612	801	17950000	-0.19231	0.008074	0
chr11	18900001	19000000	462	443	18950000	0.256549	0.000611	0
chr11	19050001	19150000	624	603	19100000	0.245351	0.000989	0
chr11	21250001	21350000	577	753	21300000	-0.18812	0.009293	0
chr11	21300001	21400000	616	822	21350000	-0.22025	0.002979	0
chr11	22850001	22950000	633	830	22900000	-0.19494	0.007381	0
chr11	22900001	23000000	509	703	22950000	-0.2699	0.000392	0
chr11	23600001	23700000	534	730	23650000	-0.25509	0.000743	0
chr11	23900001	24000000	508	678	23950000	-0.22049	0.002951	0
chr11	24450001	24550000	576	759	24500000	-0.20207	0.005766	0
chr11	24900001	25000000	496	674	24950000	-0.24645	0.001064	0
chr11	25100001	25200000	539	707	25150000	-0.19546	0.007252	0
chr11	25250001	25350000	515	714	25300000	-0.27539	0.000307	0
chr11	25300001	25400000	522	706	25350000	-0.23966	0.001402	0
chr11	25600001	25700000	491	647	25650000	-0.20208	0.005764	0
chr11	25800001	25900000	567	741	25850000	-0.19016	0.008679	0
chr11	25850001	25950000	525	730	25900000	-0.27962	0.000254	0
chr11	25950001	26050000	580	757	2.60E+07	-0.18828	0.009243	0
chr11	26000001	26100000	566	748	26050000	-0.20627	0.004968	0
chr11	26300001	26400000	607	794	26350000	-0.19148	0.008303	0
chr11	27100001	27200000	652	878	27150000	-0.23339	0.001798	0
chr11	27550001	27650000	706	941	27600000	-0.21856	0.003172	0
chr11	28950001	29050000	671	880	2.90E+07	-0.19523	0.00731	0
chr11	29400001	29500000	435	570	29450000	-0.19398	0.007627	0
chr11	29450001	29550000	453	605	29500000	-0.22146	0.002845	0
chr11	33050001	33150000	940	894	33100000	0.268349	0.000361	0

chr11	33100001	33200000	880	863	33150000	0.224106	0.002349	0
chr11	36550001	36650000	577	581	36600000	0.185996	0.009441	0
chr11	36650001	36750000	445	580	36700000	-0.18628	0.009875	0
chr11	37450001	37550000	384	518	37500000	-0.23588	0.001629	0
chr11	37500001	37600000	382	518	37550000	-0.24342	0.001204	0
chr11	37700001	37800000	392	560	37750000	-0.31861	3.93E-05	0
chr11	37750001	37850000	387	506	37800000	-0.19084	0.008483	0
chr11	38350001	38450000	383	500	38400000	-0.18862	0.009138	0
chr11	38400001	38500000	396	535	38450000	-0.23808	0.001493	0
chr11	38450001	38550000	373	507	38500000	-0.24685	0.001047	0
chr11	38550001	38650000	384	504	38600000	-0.19635	0.007033	0
chr11	38600001	38700000	392	537	38650000	-0.25811	0.000654	0
chr11	38650001	38750000	395	519	38700000	-0.19792	0.006664	0
chr11	39050001	39150000	348	463	39100000	-0.21596	0.003494	0
chr11	39100001	39200000	338	465	39150000	-0.26424	0.000502	0
chr11	39150001	39250000	348	501	39200000	-0.32976	2.22E-05	0
chr11	39300001	39400000	345	452	39350000	-0.19376	0.007684	0
chr11	40650001	40750000	573	822	40700000	-0.32464	2.89E-05	0
chr11	40700001	40800000	566	801	40750000	-0.30504	7.69E-05	0
chr11	41100001	41200000	613	829	41150000	-0.23952	0.001409	0
chr11	41200001	41300000	621	826	41250000	-0.21559	0.003543	0
chr11	41250001	41350000	605	799	41300000	-0.2053	0.005144	0
chr11	41400001	41500000	597	795	41450000	-0.21726	0.00333	0
chr11	41450001	41550000	540	735	41500000	-0.24882	0.000965	0
chr11	41600001	41700000	499	708	41650000	-0.30875	6.41E-05	0
chr11	42150001	42250000	668	915	42200000	-0.25796	0.000658	0
chr11	42200001	42300000	745	996	42250000	-0.22294	0.00269	0
chr11	42700001	42800000	759	1036	42750000	-0.25289	0.000815	0
chr11	43000001	43100000	842	1110	43050000	-0.2027	0.005639	0
chr11	43050001	43150000	838	1103	43100000	-0.20045	0.006103	0
chr11	46700001	46800000	656	632	46750000	0.249734	0.000821	0
chr11	46750001	46850000	680	594	46800000	0.391035	4.75E-07	0
chr11	46800001	46900000	665	665	46850000	0.195963	0.006694	0
chr11	47150001	47250000	668	661	47200000	0.211161	0.003856	0
chr11	47200001	47300000	658	630	47250000	0.258699	0.000556	0
chr11	47350001	47450000	740	738	47400000	0.199867	0.005828	0
chr11	47450001	47550000	647	650	47500000	0.189289	0.00844	0
chr11	47500001	47600000	638	603	47550000	0.277361	0.000238	0
chr11	47550001	47650000	637	640	47600000	0.189185	0.008471	0
chr11	47750001	47850000	538	541	47800000	0.187941	0.008838	0
chr11	48500001	48600000	136	193	48550000	-0.30903	6.32E-05	0
chr11	48550001	48650000	201	266	48600000	-0.20827	0.004626	0
chr11	49250001	49350000	102	144	49300000	-0.30154	9.11E-05	0
chr11	49300001	49400000	98	150	49350000	-0.41815	1.41E-07	0
chr11	49400001	49500000	135	181	49450000	-0.22707	0.002298	0
chr11	49450001	49550000	127	177	49500000	-0.28296	0.000218	0
chr11	49500001	49600000	120	163	49550000	-0.24587	0.001089	0



chr11	49550001	49650000	101	155	49600000	-0.42195	1.11E-07	0
chr11	49800001	49900000	80	129	49850000	-0.49334	9.36E-10	0
chr11	49850001	49950000	124	178	49900000	-0.32557	2.76E-05	0
chr11	50300001	50400000	258	347	50350000	-0.2316	0.001928	0
chr11	50350001	50450000	330	437	50400000	-0.2092	0.004472	0
chr11	50450001	50550000	348	471	50500000	-0.24068	0.001345	0
chr11	50500001	50600000	341	446	50550000	-0.19131	0.00835	0
chr11	51000001	51100000	0	1	51050000	#NAME?	3.67E-137	0
chr11	51050001	51150000	1	1	51100000	0.195963	0.006694	0
chr11	51350001	51450000	197	262	51400000	-0.21541	0.003566	0
chr11	51400001	51500000	108	146	51450000	-0.23897	0.00144	0
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chr11	54650001	54750000	1	1	54700000	0.195963	0.006694	0
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chr11	54750001	54850000	226	300	54800000	-0.21268	0.003942	0
chr11	55050001	55150000	266	355	55100000	-0.22043	0.002958	0
chr11	55350001	55450000	69	92	55400000	-0.21907	0.003112	0
chr11	55600001	55700000	272	372	55650000	-0.25573	0.000723	0
chr11	55650001	55750000	351	458	55700000	-0.18791	0.009356	0
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chr11	55800001	55900000	350	478	55850000	-0.25369	0.000788	0
chr11	56350001	56450000	393	516	56400000	-0.19688	0.006907	0
chr11	57400001	57500000	632	623	57450000	0.216655	0.003134	0
chr11	57450001	57550000	606	591	57500000	0.232123	0.001708	0
chr11	58300001	58400000	623	599	58350000	0.252639	0.000724	0
chr11	59250001	59350000	879	878	59300000	0.197605	0.006317	0
chr11	59300001	59400000	951	885	59350000	0.299731	8.07E-05	0
chr11	60600001	60700000	750	682	60650000	0.333082	1.41E-05	0
chr11	60650001	60750000	746	688	60700000	0.31273	4.17E-05	0
chr11	61050001	61150000	749	744	61100000	0.205626	0.004732	0
chr11	61100001	61200000	715	693	61150000	0.241051	0.001185	0
chr11	61150001	61250000	686	632	61200000	0.314247	3.85E-05	0
chr11	61200001	61300000	759	720	61250000	0.272066	0.000304	0
chr11	61250001	61350000	914	887	61300000	0.239223	0.001278	0
chr11	61300001	61400000	906	877	61350000	0.242897	0.001097	0
chr11	61350001	61450000	723	722	61400000	0.19796	0.006238	0
chr11	61500001	61600000	885	884	61550000	0.197594	0.006319	0
chr11	61550001	61650000	824	791	61600000	0.25493	0.000656	0
chr11	61600001	61700000	806	802	61650000	0.203141	0.00518	0
chr11	61650001	61750000	776	765	61700000	0.21656	0.003145	0
chr11	61800001	61900000	556	550	61850000	0.211616	0.003791	0
chr11	62200001	62300000	626	581	62250000	0.303588	6.65E-05	0
chr11	62250001	62350000	695	654	62300000	0.283685	0.000177	0
chr11	62300001	62400000	741	708	62350000	0.261687	0.000487	0
chr11	62350001	62450000	712	654	62400000	0.31855	3.08E-05	0
chr11	62400001	62500000	673	640	62450000	0.268498	0.000358	0
chr11	62450001	62550000	633	606	62500000	0.258851	0.000552	0

chr11	62500001	62600000	628	573	62550000	0.328192	1.84E-05	0
chr11	62550001	62650000	628	621	62600000	0.212134	0.003718	0
chr11	63300001	63400000	933	937	63350000	0.189791	0.008296	0
chr11	63500001	63600000	955	946	63550000	0.209624	0.004084	0
chr11	63550001	63650000	968	918	63600000	0.272476	0.000299	0
chr11	63600001	63700000	1123	1097	63650000	0.229757	0.001878	0
chr11	63650001	63750000	1096	1062	63700000	0.241427	0.001166	0
chr11	63700001	63800000	1107	1044	63750000	0.280497	0.000205	0
chr11	63850001	63950000	1164	1172	63900000	0.186082	0.009414	0
chr11	63900001	64000000	1097	1055	63950000	0.252284	0.000736	0
chr11	63950001	64050000	1150	1074	6.40E+07	0.294603	0.000104	0
chr11	64000001	64100000	1170	1108	64050000	0.274514	0.000272	0
chr11	64050001	64150000	1112	1099	64100000	0.212928	0.003609	0
chr11	64550001	64650000	1157	1126	64600000	0.235145	0.001511	0
chr11	64600001	64700000	1211	1132	64650000	0.293288	0.000111	0
chr11	64650001	64750000	1084	1056	64700000	0.233718	0.001601	0
chr11	64800001	64900000	1171	1151	64850000	0.220816	0.002671	0
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chr11	65000001	65100000	966	921	65050000	0.264785	0.000424	0
chr11	65050001	65150000	1043	999	65100000	0.258146	0.00057	0
chr11	65100001	65200000	1117	1100	65150000	0.218089	0.002967	0
chr11	65150001	65250000	1059	1007	65200000	0.268602	0.000357	0
chr11	65250001	65350000	1116	1051	65300000	0.282537	0.000187	0
chr11	65300001	65400000	1340	1219	65350000	0.332498	1.46E-05	0
chr11	65350001	65450000	1210	1216	65400000	0.188827	0.008575	0
chr11	65550001	65650000	810	758	65600000	0.291687	0.00012	0
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chr11	65750001	65850000	758	739	65800000	0.232587	0.001676	0
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chr11	66000001	66100000	804	763	66050000	0.271475	0.000313	0
chr11	66050001	66150000	767	738	66100000	0.251569	0.000759	0
chr11	66100001	66200000	735	702	66150000	0.262236	0.000475	0
chr11	66150001	66250000	679	684	66200000	0.185378	0.00964	0
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chr11	67000001	67100000	1244	1156	67050000	0.301808	7.27E-05	0
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chr11	67100001	67200000	1208	1106	67150000	0.323232	2.40E-05	0
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chr11	67200001	67300000	1169	1153	67250000	0.215845	0.003232	0
chr11	67350001	67450000	970	950	67400000	0.22602	0.002179	0
chr11	67400001	67500000	742	720	67450000	0.239385	0.001269	0

chr11	67450001	67550000	335	311	67500000	0.30321	6.78E-05	0
chr11	67700001	67800000	506	495	67750000	0.227672	0.002041	0
chr11	67900001	68000000	1034	1009	67950000	0.231273	0.001767	0
chr11	67950001	68050000	935	919	6.80E+07	0.220865	0.002666	0
chr11	68000001	68100000	992	921	68050000	0.303102	6.82E-05	0
chr11	68050001	68150000	1047	1019	68100000	0.23507	0.001515	0
chr11	68150001	68250000	981	980	68200000	0.197434	0.006355	0
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chr11	68600001	68700000	960	921	68650000	0.255796	0.000631	0
chr11	68650001	68750000	994	998	68700000	0.190169	0.008189	0
chr11	69450001	69550000	1377	1368	69500000	0.205423	0.004767	0
chr11	70300001	70400000	1134	1125	70350000	0.207459	0.004424	0
chr11	71300001	71400000	133	131	71350000	0.217822	0.002997	0
chr11	71350001	71450000	73	69	71400000	0.277263	0.000239	0
chr11	72500001	72600000	1315	1278	72550000	0.237138	0.001392	0
chr11	73450001	73550000	590	551	73500000	0.294626	0.000104	0
chr11	73600001	73700000	609	592	73650000	0.236808	0.001411	0
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chr11	75850001	75950000	1595	1606	75900000	0.186048	0.009425	0
chr11	75900001	76000000	1671	1592	75950000	0.265834	0.000404	0
chr11	76700001	76800000	1350	1353	76750000	0.192761	0.007487	0
chr11	76750001	76850000	1500	1481	76800000	0.214354	0.00342	0
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chr11	79550001	79650000	1756	2295	79600000	-0.19024	0.008657	0
chr11	79600001	79700000	1616	2196	79650000	-0.24649	0.001062	0
chr11	79650001	79750000	1017	1337	79700000	-0.19872	0.006482	0
chr11	80200001	80300000	516	705	80250000	-0.25429	0.000768	0
chr11	80250001	80350000	456	635	80300000	-0.28176	0.00023	0
chr11	80400001	80500000	776	1038	80450000	-0.22371	0.002613	0
chr11	81050001	81150000	974	1279	81100000	-0.19706	0.006864	0
chr11	81500001	81600000	722	971	81550000	-0.23151	0.001935	0
chr11	81850001	81950000	760	1012	81900000	-0.21717	0.00334	0
chr11	82300001	82400000	640	837	82350000	-0.19119	0.008383	0
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chr11	83100001	83200000	675	895	83150000	-0.21104	0.004185	0
chr11	83900001	84000000	689	908	83950000	-0.20223	0.005734	0
chr11	84000001	84100000	653	877	84050000	-0.22953	0.00209	0
chr11	84050001	84150000	649	860	84100000	-0.21016	0.004321	0
chr11	85000001	85100000	581	764	85050000	-0.19907	0.006403	0
chr11	87450001	87550000	606	795	87500000	-0.19567	0.007199	0
chr11	88100001	88200000	828	830	88150000	0.192482	0.00756	0
chr11	89000001	89100000	209	207	89050000	0.209835	0.004052	0
chr11	89250001	89350000	341	460	89300000	-0.2359	0.001628	0
chr11	89300001	89400000	159	218	89350000	-0.25934	0.00062	0
chr11	89400001	89500000	81	80	89450000	0.213885	0.003481	0
chr11	89450001	89550000	46	39	89500000	0.434123	2.84E-08	0
chr11	89500001	89600000	12	7	89550000	0.973571	7.95E-31	0

chr11	89550001	89650000	7	11	89600000	-0.45611	1.21E-08	0
chr11	89600001	89700000	17	25	89650000	-0.36043	4.28E-06	0
chr11	89650001	89750000	13	18	89700000	-0.27352	0.000334	0
chr11	90100001	90200000	516	731	90150000	-0.30654	7.14E-05	0
chr11	90350001	90450000	538	714	90400000	-0.21235	0.003989	0
chr11	90600001	90700000	641	872	90650000	-0.24804	0.000996	0
chr11	90650001	90750000	510	714	90700000	-0.28946	0.000161	0
chr11	90700001	90800000	474	643	90750000	-0.24397	0.001177	0
chr11	91200001	91300000	559	730	91250000	-0.18909	0.008997	0
chr11	91250001	91350000	561	735	91300000	-0.19378	0.00768	0
chr11	91400001	91500000	561	751	91450000	-0.22485	0.002502	0
chr11	91450001	91550000	600	814	91500000	-0.2441	0.001171	0
chr11	91500001	91600000	671	883	91550000	-0.20014	0.006169	0
chr11	91650001	91750000	586	769	91700000	-0.19612	0.00709	0
chr11	91700001	91800000	565	765	91750000	-0.24125	0.001315	0
chr11	93550001	93650000	605	874	93600000	-0.33474	1.71E-05	0
chr11	93600001	93700000	609	840	93650000	-0.26798	0.000427	0
chr11	93650001	93750000	673	883	93700000	-0.19584	0.007157	0
chr11	93700001	93800000	662	908	93750000	-0.2599	0.000606	0
chr11	95050001	95150000	852	1178	95100000	-0.27145	0.000366	0
chr11	96350001	96450000	94	146	96400000	-0.43927	3.68E-08	0
chr11	96400001	96500000	376	508	96450000	-0.23813	0.00149	0
chr11	97450001	97550000	605	800	97500000	-0.2071	0.004823	0
chr11	97750001	97850000	628	848	97800000	-0.23734	0.001538	0
chr11	99000001	99100000	641	840	99050000	-0.1941	0.007596	0
chr11	99250001	99350000	643	847	99300000	-0.20158	0.005866	0
chr11	99300001	99400000	639	863	99350000	-0.23758	0.001523	0
chr11	99650001	99750000	659	871	99700000	-0.20643	0.00494	0
chr11	1.01E+08	1.02E+08	674	897	1.01E+08	-0.2164	0.003438	0
chr11	1.01E+08	1.02E+08	650	851	1.02E+08	-0.19276	0.007952	0
chr11	1.02E+08	1.02E+08	755	743	1.02E+08	0.219077	0.002856	0
chr11	1.02E+08	1.02E+08	658	613	1.02E+08	0.298164	8.73E-05	0
chr11	1.03E+08	1.04E+08	461	614	1.04E+08	-0.21751	0.003299	0
chr11	1.04E+08	1.04E+08	442	592	1.04E+08	-0.22559	0.002432	0
chr11	1.04E+08	1.04E+08	466	615	1.04E+08	-0.20429	0.005331	0
chr11	1.04E+08	1.04E+08	455	598	1.04E+08	-0.19832	0.006573	0
chr11	1.05E+08	1.05E+08	474	630	1.05E+08	-0.2145	0.003687	0
chr11	1.05E+08	1.06E+08	473	621	1.06E+08	-0.19679	0.006928	0
chr11	1.06E+08	1.06E+08	436	593	1.06E+08	-0.24774	0.001009	0
chr11	1.06E+08	1.06E+08	461	603	1.06E+08	-0.19143	0.008317	0
chr11	1.07E+08	1.07E+08	431	563	1.07E+08	-0.18948	0.008878	0
chr11	1.08E+08	1.08E+08	465	463	1.08E+08	0.202182	0.005363	0
chr11	1.08E+08	1.08E+08	593	546	1.08E+08	0.315094	3.69E-05	0
chr11	1.08E+08	1.08E+08	629	568	1.08E+08	0.343132	8.11E-06	0
chr11	1.09E+08	1.09E+08	430	567	1.09E+08	-0.20305	0.005571	0
chr11	1.09E+08	1.09E+08	467	609	1.09E+08	-0.18706	0.009626	0
chr11	1.09E+08	1.09E+08	453	625	1.09E+08	-0.26838	0.000419	0

chr11	1.11E+08	1.11E+08	476	636	1.11E+08	-0.2221	0.002777	0
chr11	1.12E+08	1.12E+08	678	645	1.12E+08	0.267949	0.000367	0
chr11	1.13E+08	1.13E+08	524	684	1.13E+08	-0.18847	0.009185	0
chr11	1.13E+08	1.13E+08	479	702	1.13E+08	-0.35548	5.62E-06	0
chr11	1.13E+08	1.13E+08	525	721	1.13E+08	-0.26172	0.00056	0
chr11	1.14E+08	1.14E+08	622	623	1.14E+08	0.193645	0.00726	0
chr11	1.14E+08	1.14E+08	699	682	1.14E+08	0.231484	0.001752	0
chr11	1.14E+08	1.14E+08	713	714	1.14E+08	0.193941	0.007186	0
chr11	1.17E+08	1.17E+08	692	692	1.17E+08	0.195963	0.006694	0
chr11	1.18E+08	1.18E+08	705	698	1.18E+08	0.210359	0.003973	0
chr11	1.18E+08	1.19E+08	673	666	1.18E+08	0.211047	0.003873	0
chr11	1.18E+08	1.19E+08	763	759	1.19E+08	0.203546	0.005104	0
chr11	1.19E+08	1.19E+08	753	725	1.19E+08	0.250632	0.00079	0
chr11	1.19E+08	1.19E+08	701	643	1.19E+08	0.320559	2.77E-05	0
chr11	1.19E+08	1.19E+08	754	720	1.19E+08	0.262531	0.000469	0
chr11	1.19E+08	1.19E+08	654	631	1.19E+08	0.247614	0.000899	0
chr11	1.19E+08	1.19E+08	711	712	1.19E+08	0.193935	0.007187	0
chr11	1.19E+08	1.19E+08	720	708	1.19E+08	0.220211	0.002734	0
chr11	1.22E+08	1.22E+08	645	644	1.22E+08	0.198202	0.006184	0
chr11	1.22E+08	1.22E+08	534	699	1.22E+08	-0.19249	0.008024	0
chr11	1.22E+08	1.22E+08	450	623	1.22E+08	-0.27334	0.000337	0
chr11	1.24E+08	1.24E+08	492	645	1.24E+08	-0.19468	0.007449	0
chr11	1.25E+08	1.25E+08	679	679	1.25E+08	0.195963	0.006694	0
chr11	1.25E+08	1.25E+08	580	562	1.25E+08	0.241446	0.001165	0
chr11	1.26E+08	1.26E+08	690	658	1.26E+08	0.264472	0.00043	0
chr11	1.27E+08	1.27E+08	418	552	1.27E+08	-0.2052	0.005162	0
chr11	1.28E+08	1.28E+08	453	609	1.28E+08	-0.23097	0.001976	0
chr11	1.28E+08	1.28E+08	386	509	1.28E+08	-0.2031	0.00556	0
chr11	1.3E+08	1.3E+08	617	609	1.3E+08	0.214791	0.003364	0
chr11	1.3E+08	1.3E+08	560	557	1.3E+08	0.203713	0.005074	0
chr11	1.32E+08	1.32E+08	497	679	1.32E+08	-0.2542	0.000771	0
chr11	1.32E+08	1.32E+08	426	565	1.32E+08	-0.21143	0.004125	0
chr11	1.33E+08	1.33E+08	442	586	1.33E+08	-0.21089	0.004207	0
chr11	1.33E+08	1.33E+08	414	580	1.33E+08	-0.29046	0.000154	0
chr11	1.33E+08	1.33E+08	456	597	1.33E+08	-0.19273	0.007958	0
chr11	1.33E+08	1.33E+08	461	601	1.33E+08	-0.18664	0.009761	0
chr11	1.34E+08	1.34E+08	672	674	1.34E+08	0.191676	0.007774	0
chr11	100001	200000	182	184	150000	0.180196	0.011459	0
chr11	150001	250000	529	549	2.00E+05	0.142425	0.036044	0
chr11	950001	1050000	810	832	1.00E+06	0.157301	0.023503	0
chr11	1000001	1100000	895	924	1050000	0.149958	0.029138	0
chr11	1050001	1150000	819	826	1100000	0.183685	0.010205	0
chr11	1400001	1500000	787	817	1450000	0.141991	0.03648	0
chr11	1900001	2000000	830	845	1950000	0.170123	0.015862	0
chr11	2000001	2100000	816	829	2050000	0.17316	0.014402	0
chr11	2150001	2250000	861	899	2200000	0.133655	0.045717	0
chr11	2450001	2550000	708	721	2500000	0.169713	0.016068	0

chr11	2500001	2600000	673	694	2550000	0.151634	0.027762	0
chr11	2950001	3050000	1454	1500	3.00E+06	0.151028	0.028253	0
chr11	3150001	3250000	1561	1598	3200000	0.162166	0.020301	0
chr11	3200001	3300000	991	1008	3250000	0.171424	0.015221	0
chr11	3550001	3650000	473	595	3600000	-0.13509	0.045021	0
chr11	3650001	3750000	1240	1285	3700000	0.144535	0.033986	0
chr11	3800001	3900000	1337	1361	3850000	0.170295	0.015775	0
chr11	4250001	4350000	55	71	4300000	-0.17242	0.01541	0
chr11	4350001	4450000	458	585	4400000	-0.15713	0.024449	0
chr11	5400001	5500000	627	805	5450000	-0.16456	0.019612	0
chr11	5450001	5550000	705	894	5500000	-0.14669	0.032908	0
chr11	5850001	5950000	589	747	5900000	-0.14688	0.032735	0
chr11	6400001	6500000	1247	1260	6450000	0.181001	0.011158	0
chr11	6450001	6550000	1001	1036	6500000	0.146381	0.032266	0
chr11	6950001	7050000	613	770	7.00E+06	-0.13301	0.047531	0
chr11	7100001	7200000	615	781	7150000	-0.14877	0.031047	0
chr11	7150001	7250000	647	831	7200000	-0.16512	0.019284	0
chr11	7250001	7350000	683	877	7300000	-0.16473	0.019513	0
chr11	8200001	8300000	1073	1116	8250000	0.139276	0.039303	0
chr11	9100001	9200000	1276	1332	9150000	0.133997	0.045304	0
chr11	9250001	9350000	1058	1075	9300000	0.172966	0.014492	0
chr11	9300001	9400000	983	996	9350000	0.177009	0.01272	0
chr11	9650001	9750000	1206	1251	9700000	0.143111	0.035364	0
chr11	9700001	9800000	1256	1300	9750000	0.146288	0.032351	0
chr11	9750001	9850000	1124	1134	9800000	0.183184	0.010377	0
chr11	10300001	10400000	1049	1074	10350000	0.161984	0.020414	0
chr11	10750001	10850000	1015	1036	10800000	0.166419	0.017812	0
chr11	10800001	10900000	982	1017	10850000	0.145438	0.033135	0
chr11	11700001	11800000	508	638	11750000	-0.13276	0.047833	0
chr11	12000001	12100000	698	704	12050000	0.183615	0.010229	0
chr11	12700001	12800000	1077	1100	12750000	0.165478	0.018339	0
chr11	13800001	13900000	633	822	13850000	-0.18097	0.011747	0
chr11	14500001	14600000	517	540	14550000	0.133168	0.046311	0
chr11	14750001	14850000	430	442	14800000	0.156253	0.024247	0
chr11	15050001	15150000	528	669	15100000	-0.14551	0.034004	0
chr11	15850001	15950000	471	612	15900000	-0.18184	0.01142	0
chr11	16100001	16200000	414	526	16150000	-0.14947	0.030446	0
chr11	16700001	16800000	433	555	16750000	-0.16216	0.021077	0
chr11	16850001	16950000	532	678	16900000	-0.1539	0.026845	0
chr11	17150001	17250000	564	576	17200000	0.165589	0.018276	0
chr11	17350001	17450000	667	697	17400000	0.132491	0.047145	0
chr11	17650001	17750000	645	819	17700000	-0.1486	0.031197	0
chr11	17850001	17950000	572	719	17900000	-0.13401	0.046303	0
chr11	18350001	18450000	577	585	18400000	0.176098	0.013102	0
chr11	18400001	18500000	523	539	18450000	0.152489	0.027081	0
chr11	18600001	18700000	512	532	18650000	0.140681	0.037821	0
chr11	18750001	18850000	697	724	18800000	0.141132	0.037354	0

chr11	19700001	19800000	751	778	19750000	0.145006	0.03354	0
chr11	19800001	19900000	628	813	19850000	-0.17653	0.013544	0
chr11	19900001	20000000	674	688	19950000	0.166303	0.017876	0
chr11	20050001	20150000	645	669	20100000	0.143256	0.035221	0
chr11	20250001	20350000	490	626	20300000	-0.15742	0.024241	0
chr11	20500001	20600000	445	569	20550000	-0.15866	0.023375	0
chr11	20550001	20650000	486	622	20600000	-0.16	0.022474	0
chr11	20650001	20750000	488	613	20700000	-0.13304	0.047489	0
chr11	20700001	20800000	501	644	20750000	-0.16629	0.018614	0
chr11	20900001	21000000	668	844	20950000	-0.14143	0.038012	0
chr11	21350001	21450000	629	810	21400000	-0.1689	0.017187	0
chr11	21650001	21750000	563	709	21700000	-0.13669	0.04316	0
chr11	21900001	22000000	645	826	21950000	-0.16088	0.021894	0
chr11	22100001	22200000	628	805	22150000	-0.16226	0.021012	0
chr11	22300001	22400000	583	734	22350000	-0.13632	0.04358	0
chr11	22950001	23050000	517	665	2.30E+07	-0.16723	0.018089	0
chr11	23000001	23100000	551	698	23050000	-0.14521	0.034281	0
chr11	23200001	23300000	533	694	23250000	-0.18484	0.010357	0
chr11	23250001	23350000	548	712	23300000	-0.18174	0.011459	0
chr11	23400001	23500000	516	668	23450000	-0.17651	0.013549	0
chr11	23450001	23550000	538	675	23500000	-0.13132	0.049655	0
chr11	23950001	24050000	566	715	2.40E+07	-0.14118	0.038274	0
chr11	24050001	24150000	602	757	24100000	-0.13457	0.045638	0
chr11	24100001	24200000	614	773	24150000	-0.13627	0.043643	0
chr11	24250001	24350000	536	695	24300000	-0.17882	0.01259	0
chr11	24300001	24400000	531	690	24350000	-0.18192	0.011391	0
chr11	24600001	24700000	570	741	24650000	-0.18255	0.011161	0
chr11	24650001	24750000	573	739	24700000	-0.17108	0.01607	0
chr11	24750001	24850000	555	697	24800000	-0.13271	0.047904	0
chr11	24850001	24950000	497	630	24900000	-0.14614	0.033409	0
chr11	24950001	25050000	476	603	2.50E+07	-0.14523	0.03426	0
chr11	25150001	25250000	532	680	25200000	-0.15815	0.023731	0
chr11	25200001	25300000	547	704	25250000	-0.16807	0.017628	0
chr11	25350001	25450000	533	693	25400000	-0.18276	0.011086	0
chr11	25650001	25750000	496	641	25700000	-0.17402	0.014659	0
chr11	26350001	26450000	640	813	26400000	-0.14922	0.03066	0
chr11	26800001	26900000	636	798	26850000	-0.1314	0.049552	0
chr11	26950001	27050000	640	803	2.70E+07	-0.13137	0.049596	0
chr11	27000001	27100000	635	803	27050000	-0.14268	0.036744	0
chr11	27050001	27150000	630	819	27100000	-0.18255	0.011161	0
chr11	27250001	27350000	672	852	27300000	-0.14643	0.033145	0
chr11	27350001	27450000	952	977	27400000	0.158566	0.022632	0
chr11	27400001	27500000	928	959	27450000	0.148557	0.030332	0
chr11	27750001	27850000	820	1035	27800000	-0.13997	0.03954	0
chr11	28500001	28600000	748	944	28550000	-0.13979	0.039738	0
chr11	28900001	29000000	714	910	28950000	-0.15398	0.02678	0
chr11	29600001	29700000	402	506	29650000	-0.13598	0.043976	0

chr11	29900001	30000000	636	813	29950000	-0.15827	0.023648	0
chr11	29950001	30050000	689	882	3.00E+07	-0.16031	0.022265	0
chr11	31000001	31100000	683	860	31050000	-0.13649	0.043389	0
chr11	31250001	31350000	687	880	31300000	-0.16123	0.021667	0
chr11	31550001	31650000	614	798	31600000	-0.18219	0.011293	0
chr11	31800001	31900000	1045	1083	31850000	0.144433	0.034083	0
chr11	32550001	32650000	741	774	32600000	0.133103	0.04639	0
chr11	33000001	33100000	909	948	33050000	0.135356	0.043693	0
chr11	34000001	34100000	562	582	34050000	0.145514	0.033065	0
chr11	34050001	34150000	648	677	34100000	0.132801	0.046762	0
chr11	34200001	34300000	774	801	34250000	0.146494	0.032163	0
chr11	34550001	34650000	1011	1056	34600000	0.133136	0.046349	0
chr11	34600001	34700000	1046	1091	34650000	0.135195	0.043882	0
chr11	34750001	34850000	739	962	34800000	-0.1845	0.010472	0
chr11	35550001	35650000	855	1074	35600000	-0.13303	0.047499	0
chr11	35600001	35700000	737	931	35650000	-0.14115	0.038299	0
chr11	36050001	36150000	552	700	36100000	-0.14672	0.032876	0
chr11	36400001	36500000	674	705	36450000	0.131088	0.048914	0
chr11	36700001	36800000	506	659	36750000	-0.18518	0.010241	0
chr11	36750001	36850000	506	642	36800000	-0.14747	0.032197	0
chr11	37400001	37500000	390	497	37450000	-0.15381	0.026912	0
chr11	37650001	37750000	425	534	37700000	-0.13341	0.047033	0
chr11	37850001	37950000	384	493	37900000	-0.16452	0.019637	0
chr11	38150001	38250000	411	523	38200000	-0.15171	0.028576	0
chr11	38200001	38300000	381	479	38250000	-0.13427	0.045992	0
chr11	38500001	38600000	366	461	38550000	-0.13696	0.04285	0
chr11	39000001	39100000	371	476	39050000	-0.16358	0.0202	0
chr11	39400001	39500000	353	448	39450000	-0.14787	0.031844	0
chr11	39450001	39550000	358	456	39500000	-0.15311	0.027456	0
chr11	39550001	39650000	339	428	39600000	-0.14036	0.039126	0
chr11	39750001	39850000	337	430	39800000	-0.15563	0.025539	0
chr11	39800001	39900000	345	437	39850000	-0.14507	0.034411	0
chr11	40000001	40100000	592	753	40050000	-0.15109	0.029084	0
chr11	40600001	40700000	667	860	40650000	-0.17069	0.016265	0
chr11	40750001	40850000	639	812	40800000	-0.1497	0.030248	0
chr11	41150001	41250000	651	829	41200000	-0.15275	0.02774	0
chr11	41350001	41450000	664	841	41400000	-0.14496	0.03452	0
chr11	41650001	41750000	522	676	41700000	-0.17701	0.013337	0
chr11	41700001	41800000	493	621	41750000	-0.13704	0.042756	0
chr11	41850001	41950000	576	735	41900000	-0.15571	0.025474	0
chr11	43900001	44000000	1008	1044	43950000	0.145337	0.03323	0
chr11	44350001	44450000	988	1019	44400000	0.151392	0.027957	0
chr11	44700001	44800000	1055	1100	44750000	0.135703	0.04329	0
chr11	44950001	45050000	1313	1350	4.50E+07	0.155871	0.024523	0
chr11	45350001	45450000	1356	1419	45400000	0.130446	0.049742	0
chr11	45600001	45700000	1476	1523	45650000	0.15074	0.028489	0
chr11	45800001	45900000	1280	1335	45850000	0.135267	0.043797	0



chr11	45850001	45950000	1559	1574	45900000	0.182148	0.010742	0
chr11	45900001	46000000	1568	1636	45950000	0.134716	0.044446	0
chr11	46000001	46100000	1035	1067	46050000	0.152034	0.027442	0
chr11	46550001	46650000	590	613	46600000	0.140791	0.037706	0
chr11	47400001	47500000	683	691	47450000	0.179163	0.011855	0
chr11	47700001	47800000	559	572	47750000	0.162796	0.019914	0
chr11	47850001	47950000	562	573	47900000	0.167998	0.016957	0
chr11	47900001	48000000	576	589	47950000	0.163764	0.019333	0
chr11	47950001	48050000	617	623	4.80E+07	0.182001	0.010794	0
chr11	48100001	48200000	688	703	48150000	0.164847	0.0187	0
chr11	48150001	48250000	586	613	48200000	0.130977	0.049057	0
chr11	48650001	48750000	212	270	48700000	-0.15293	0.027597	0
chr11	49150001	49250000	116	147	49200000	-0.14573	0.033795	0
chr11	49600001	49700000	97	125	49650000	-0.16991	0.016661	0
chr11	49750001	49850000	102	131	49800000	-0.16503	0.019334	0
chr11	50000001	50100000	211	220	50050000	0.135703	0.04329	0
chr11	50100001	50200000	250	324	50150000	-0.1781	0.012881	0
chr11	50750001	50850000	99	128	50800000	-0.17468	0.014358	0
chr11	51500001	51600000	382	482	51550000	-0.1395	0.040047	0
chr11	54950001	55050000	279	288	5.50E+07	0.150159	0.02897	0
chr11	55300001	55400000	231	290	55350000	-0.1322	0.048542	0
chr11	55400001	55500000	170	215	55450000	-0.14284	0.036586	0
chr11	55700001	55800000	356	460	55750000	-0.17379	0.014764	0
chr11	55850001	55950000	376	473	55900000	-0.13514	0.044952	0
chr11	55950001	56050000	411	428	5.60E+07	0.137491	0.041256	0
chr11	56100001	56200000	411	531	56150000	-0.17361	0.014849	0
chr11	56400001	56500000	399	517	56450000	-0.17781	0.013001	0
chr11	56550001	56650000	452	572	56600000	-0.14373	0.035706	0
chr11	57000001	57100000	743	760	57050000	0.163326	0.019594	0
chr11	57050001	57150000	772	783	57100000	0.175552	0.013336	0
chr11	57200001	57300000	778	793	57250000	0.168412	0.016738	0
chr11	57250001	57350000	703	715	57300000	0.171544	0.015163	0
chr11	57350001	57450000	669	690	57400000	0.151373	0.027973	0
chr11	57500001	57600000	642	652	57550000	0.173664	0.014171	0
chr11	58350001	58450000	612	638	58400000	0.135938	0.043017	0
chr11	59150001	59250000	544	686	59200000	-0.13864	0.040978	0
chr11	59350001	59450000	918	950	59400000	0.14653	0.032131	0
chr11	59900001	60000000	629	808	59950000	-0.16533	0.01916	0
chr11	60700001	60800000	682	695	60750000	0.168722	0.016577	0
chr11	60900001	61000000	448	463	60950000	0.14845	0.030425	0
chr11	61000001	61100000	570	586	61050000	0.156024	0.024412	0
chr11	61400001	61500000	768	786	61450000	0.16254	0.02007	0
chr11	61450001	61550000	934	945	61500000	0.179071	0.011891	0
chr11	62150001	62250000	587	595	62200000	0.176434	0.01296	0
chr11	63350001	63450000	883	909	63400000	0.154096	0.025839	0
chr11	63450001	63550000	927	961	63500000	0.143996	0.034502	0
chr11	63750001	63850000	1203	1245	63800000	0.146454	0.0322	0

chr11	63800001	63900000	1209	1262	63850000	0.134065	0.045222	0
chr11	64300001	64400000	1230	1286	64350000	0.131731	0.048097	0
chr11	64350001	64450000	1285	1329	64400000	0.14739	0.031357	0
chr11	64400001	64500000	1262	1286	64450000	0.168784	0.016544	0
chr11	64450001	64550000	1197	1243	64500000	0.14156	0.036916	0
chr11	64500001	64600000	1145	1171	64550000	0.16357	0.019448	0
chr11	64950001	65050000	976	1000	6.50E+07	0.160916	0.021086	0
chr11	65200001	65300000	931	945	65250000	0.17443	0.013827	0
chr11	65400001	65500000	837	876	65450000	0.13026	0.049983	0
chr11	65500001	65600000	702	730	65550000	0.139538	0.039024	0
chr11	65800001	65900000	684	704	65850000	0.154384	0.025621	0
chr11	66450001	66550000	748	769	66500000	0.156018	0.024416	0
chr11	66650001	66750000	667	686	66700000	0.155441	0.024836	0
chr11	66750001	66850000	975	1017	66800000	0.135117	0.043972	0
chr11	66950001	67050000	1024	1056	6.70E+07	0.151569	0.027814	0
chr11	67300001	67400000	886	899	67350000	0.174949	0.013598	0
chr11	67550001	67650000	92	118	67600000	-0.16312	0.020481	0
chr11	67750001	67850000	1030	1061	67800000	0.153183	0.026539	0
chr11	67850001	67950000	1023	1036	67900000	0.177745	0.012419	0
chr11	68200001	68300000	940	983	68250000	0.131432	0.048475	0
chr11	68300001	68400000	985	997	68350000	0.178493	0.012119	0
chr11	68700001	68800000	1021	1058	68750000	0.144606	0.033918	0
chr11	69400001	69500000	1390	1436	69450000	0.148992	0.029957	0
chr11	69500001	69600000	1229	1242	69550000	0.180783	0.011239	0
chr11	69950001	70050000	1083	1110	7.00E+07	0.160437	0.021394	0
chr11	70150001	70250000	1014	1026	70200000	0.17899	0.011923	0
chr11	70200001	70300000	1022	1048	70250000	0.15972	0.021862	0
chr11	70250001	70350000	1080	1096	70300000	0.174747	0.013687	0
chr11	70350001	70450000	1043	1087	70400000	0.13635	0.042544	0
chr11	71100001	71200000	1120	1148	71150000	0.160339	0.021457	0
chr11	71550001	71650000	472	484	71600000	0.159743	0.021846	0
chr11	71600001	71700000	1014	1031	71650000	0.171976	0.014957	0
chr11	71750001	71850000	1339	1372	71800000	0.160839	0.021136	0
chr11	71900001	72000000	1339	1360	71950000	0.173512	0.014241	0
chr11	72300001	72400000	1773	1801	72350000	0.173357	0.014311	0
chr11	72350001	72450000	1685	1731	72400000	0.157106	0.023641	0
chr11	72450001	72550000	1475	1541	72500000	0.132811	0.046749	0
chr11	72850001	72950000	1522	1585	72900000	0.137449	0.041303	0
chr11	72950001	73050000	1296	1346	7.30E+07	0.14135	0.03713	0
chr11	73000001	73100000	1215	1235	73050000	0.172408	0.014752	0
chr11	73400001	73500000	551	566	73450000	0.157213	0.023565	0
chr11	73700001	73800000	924	947	73750000	0.160491	0.021359	0
chr11	74600001	74700000	998	1016	74650000	0.170174	0.015836	0
chr11	74750001	74850000	687	869	74800000	-0.14308	0.036343	0
chr11	74900001	75000000	1134	1183	74950000	0.134934	0.044189	0
chr11	74950001	75050000	1044	1068	7.50E+07	0.163173	0.019686	0
chr11	75050001	75150000	1036	1059	75100000	0.164284	0.019026	0

chr11	75100001	75200000	1209	1229	75150000	0.172292	0.014807	0
chr11	75250001	75350000	1133	1185	75300000	0.131224	0.048741	0
chr11	75400001	75500000	1075	1095	75450000	0.169369	0.016243	0
chr11	75450001	75550000	1244	1286	75500000	0.148059	0.030766	0
chr11	77450001	77550000	580	603	77500000	0.139858	0.038684	0
chr11	77500001	77600000	558	570	77550000	0.165266	0.018459	0
chr11	77550001	77650000	335	343	77600000	0.161916	0.020456	0
chr11	77600001	77700000	269	274	77650000	0.169393	0.016231	0
chr11	78000001	78100000	1417	1799	78050000	-0.14839	0.03138	0
chr11	78400001	78500000	1521	1930	78450000	-0.14762	0.032067	0
chr11	78450001	78550000	1724	2203	78500000	-0.15775	0.02401	0
chr11	78750001	78850000	1517	1938	78800000	-0.15738	0.024265	0
chr11	79100001	79200000	1807	2271	79150000	-0.13377	0.0466	0
chr11	79250001	79350000	1931	2449	79300000	-0.14688	0.032731	0
chr11	79800001	79900000	615	778	79850000	-0.14322	0.036206	0
chr11	79850001	79950000	625	799	79900000	-0.15838	0.023571	0
chr11	79900001	80000000	597	771	79950000	-0.17304	0.015118	0
chr11	80150001	80250000	593	752	80200000	-0.14674	0.032863	0
chr11	80450001	80550000	755	981	80500000	-0.18181	0.011431	0
chr11	80600001	80700000	806	1029	80650000	-0.15643	0.02495	0
chr11	80750001	80850000	783	989	80800000	-0.141	0.038464	0
chr11	80900001	81000000	972	1245	80950000	-0.16115	0.021716	0
chr11	81100001	81200000	1048	1316	81150000	-0.13256	0.04809	0
chr11	81250001	81350000	901	1131	81300000	-0.13204	0.048743	0
chr11	81300001	81400000	816	1028	81350000	-0.13724	0.042537	0
chr11	81700001	81800000	831	1066	81750000	-0.16332	0.020355	0
chr11	82850001	82950000	855	871	82900000	0.169215	0.016322	0
chr11	83850001	83950000	633	819	83900000	-0.17569	0.013906	0
chr11	83950001	84050000	703	912	8.40E+07	-0.17955	0.012299	0
chr11	84400001	84500000	625	807	84450000	-0.17275	0.015254	0
chr11	84450001	84550000	636	803	84500000	-0.14041	0.039076	0
chr11	84950001	85050000	635	797	8.50E+07	-0.13186	0.048966	0
chr11	85200001	85300000	606	769	85250000	-0.1477	0.031991	0
chr11	85650001	85750000	939	982	85700000	0.131365	0.048561	0
chr11	86350001	86450000	1270	1326	86400000	0.133711	0.04565	0
chr11	87200001	87300000	855	1103	87250000	-0.17147	0.015873	0
chr11	87250001	87350000	710	906	87300000	-0.15573	0.025462	0
chr11	87500001	87600000	639	826	87550000	-0.17436	0.014502	0
chr11	88050001	88150000	854	876	88100000	0.159268	0.022161	0
chr11	88500001	88600000	441	570	88550000	-0.17422	0.014567	0
chr11	88600001	88700000	172	220	88650000	-0.15913	0.023054	0
chr11	88650001	88750000	170	216	88700000	-0.14953	0.030391	0
chr11	88900001	89000000	488	633	88950000	-0.17936	0.012372	0
chr11	88950001	89050000	286	362	8.90E+07	-0.14401	0.035431	0
chr11	89800001	89900000	368	474	89850000	-0.16922	0.017019	0
chr11	90150001	90250000	618	794	90200000	-0.16557	0.019024	0
chr11	90200001	90300000	648	820	90250000	-0.14367	0.035767	0

chr11	90400001	90500000	543	697	90450000	-0.16424	0.0198	0
chr11	90450001	90550000	608	767	90500000	-0.13919	0.040376	0
chr11	90500001	90600000	641	815	90550000	-0.15051	0.029563	0
chr11	90550001	90650000	670	860	90600000	-0.16421	0.019819	0
chr11	90900001	91000000	604	785	90950000	-0.18218	0.011295	0
chr11	91050001	91150000	579	732	91100000	-0.14232	0.037109	0
chr11	91100001	91200000	582	732	91150000	-0.13486	0.045287	0
chr11	91300001	91400000	585	745	91350000	-0.15284	0.027669	0
chr11	91350001	91450000	606	769	91400000	-0.1477	0.031991	0
chr11	95000001	95100000	886	1142	95050000	-0.17022	0.016501	0
chr11	95100001	95200000	921	1168	95150000	-0.1468	0.032802	0
chr11	95200001	95300000	909	1172	95250000	-0.17066	0.016279	0
chr11	96200001	96300000	741	936	96250000	-0.14107	0.038384	0
chr11	96250001	96350000	308	395	96300000	-0.16296	0.020578	0
chr11	97400001	97500000	626	801	97450000	-0.15968	0.022687	0
chr11	97550001	97650000	613	778	97600000	-0.14792	0.031798	0
chr11	97700001	97800000	634	825	97750000	-0.18395	0.010663	0
chr11	97800001	97900000	630	795	97850000	-0.13964	0.039894	0
chr11	98850001	98950000	627	802	98900000	-0.15917	0.023025	0
chr11	99050001	99150000	656	827	99100000	-0.13823	0.041429	0
chr11	99200001	99300000	699	882	99250000	-0.13952	0.040019	0
chr11	99350001	99450000	646	835	99400000	-0.17428	0.01454	0
chr11	1E+08	1E+08	654	830	1E+08	-0.14786	0.031853	0
chr11	1E+08	1E+08	596	767	1E+08	-0.16795	0.017693	0
chr11	1E+08	1E+08	589	751	1E+08	-0.15458	0.02632	0
chr11	1E+08	1.01E+08	643	828	1.01E+08	-0.16885	0.017213	0
chr11	1.01E+08	1.01E+08	662	852	1.01E+08	-0.16806	0.017635	0
chr11	1.01E+08	1.01E+08	641	823	1.01E+08	-0.16461	0.019586	0
chr11	1.02E+08	1.02E+08	558	705	1.02E+08	-0.1414	0.03805	0
chr11	1.02E+08	1.02E+08	662	675	1.02E+08	0.167907	0.017005	0
chr11	1.02E+08	1.02E+08	589	612	1.02E+08	0.140699	0.037802	0
chr11	1.03E+08	1.03E+08	598	616	1.03E+08	0.153178	0.026542	0
chr11	1.03E+08	1.03E+08	462	581	1.03E+08	-0.13468	0.0455	0
chr11	1.03E+08	1.03E+08	525	663	1.03E+08	-0.14073	0.038742	0
chr11	1.04E+08	1.04E+08	490	625	1.04E+08	-0.15511	0.025921	0
chr11	1.04E+08	1.04E+08	454	577	1.04E+08	-0.14992	0.030065	0
chr11	1.04E+08	1.04E+08	467	588	1.04E+08	-0.13643	0.043455	0
chr11	1.04E+08	1.04E+08	442	556	1.04E+08	-0.13508	0.045033	0
chr11	1.04E+08	1.04E+08	421	534	1.04E+08	-0.14706	0.032573	0
chr11	1.05E+08	1.05E+08	507	643	1.05E+08	-0.14687	0.032742	0
chr11	1.05E+08	1.05E+08	457	583	1.05E+08	-0.15534	0.025751	0
chr11	1.05E+08	1.05E+08	451	582	1.05E+08	-0.17193	0.01565	0
chr11	1.05E+08	1.05E+08	445	578	1.05E+08	-0.1813	0.011622	0
chr11	1.05E+08	1.05E+08	549	706	1.05E+08	-0.1669	0.018271	0
chr11	1.06E+08	1.06E+08	481	620	1.06E+08	-0.17027	0.016477	0
chr11	1.06E+08	1.06E+08	493	627	1.06E+08	-0.15091	0.029228	0
chr11	1.06E+08	1.06E+08	476	614	1.06E+08	-0.17131	0.015951	0

chr11	1.07E+08	1.07E+08	466	604	1.07E+08	-0.17826	0.012818	0
chr11	1.08E+08	1.08E+08	568	594	1.08E+08	0.131391	0.048528	0
chr11	1.08E+08	1.08E+08	437	555	1.08E+08	-0.14889	0.030944	0
chr11	1.09E+08	1.09E+08	443	453	1.09E+08	0.163759	0.019336	0
chr11	1.09E+08	1.09E+08	436	553	1.09E+08	-0.14699	0.032634	0
chr11	1.1E+08	1.1E+08	529	676	1.1E+08	-0.15779	0.023978	0
chr11	1.1E+08	1.1E+08	656	681	1.1E+08	0.142004	0.036466	0
chr11	1.11E+08	1.11E+08	504	648	1.11E+08	-0.16661	0.018434	0
chr11	1.11E+08	1.11E+08	514	653	1.11E+08	-0.14935	0.030547	0
chr11	1.12E+08	1.12E+08	689	709	1.12E+08	0.154681	0.025398	0
chr11	1.14E+08	1.14E+08	641	662	1.14E+08	0.149456	0.029561	0
chr11	1.14E+08	1.14E+08	646	669	1.14E+08	0.145491	0.033086	0
chr11	1.14E+08	1.14E+08	505	648	1.14E+08	-0.16375	0.020098	0
chr11	1.15E+08	1.15E+08	514	667	1.15E+08	-0.17996	0.012138	0
chr11	1.16E+08	1.16E+08	538	698	1.16E+08	-0.17966	0.012255	0
chr11	1.16E+08	1.16E+08	537	677	1.16E+08	-0.13827	0.041383	0
chr11	1.17E+08	1.17E+08	662	679	1.17E+08	0.159383	0.022084	0
chr11	1.17E+08	1.17E+08	627	654	1.17E+08	0.135138	0.043949	0
chr11	1.17E+08	1.17E+08	639	668	1.17E+08	0.131931	0.047845	0
chr11	1.17E+08	1.18E+08	763	771	1.18E+08	0.180915	0.01119	0
chr11	1.18E+08	1.18E+08	663	685	1.18E+08	0.148868	0.030063	0
chr11	1.18E+08	1.18E+08	628	645	1.18E+08	0.157428	0.023415	0
chr11	1.19E+08	1.19E+08	614	640	1.19E+08	0.13613	0.042797	0
chr11	1.19E+08	1.19E+08	682	702	1.19E+08	0.154264	0.025712	0
chr11	1.19E+08	1.19E+08	601	615	1.19E+08	0.162742	0.019947	0
chr11	1.19E+08	1.19E+08	713	723	1.19E+08	0.175869	0.013199	0
chr11	1.19E+08	1.19E+08	688	704	1.19E+08	0.162796	0.019914	0
chr11	1.19E+08	1.19E+08	800	830	1.19E+08	0.142852	0.035619	0
chr11	1.2E+08	1.2E+08	773	788	1.2E+08	0.168236	0.016831	0
chr11	1.2E+08	1.2E+08	760	793	1.2E+08	0.134642	0.044534	0
chr11	1.2E+08	1.2E+08	714	741	1.2E+08	0.142414	0.036055	0
chr11	1.2E+08	1.2E+08	725	735	1.2E+08	0.1762	0.013059	0
chr11	1.2E+08	1.2E+08	749	762	1.20E+08	0.171138	0.01536	0
chr11	1.2E+08	1.2E+08	805	817	1.2E+08	0.174616	0.013745	0
chr11	1.2E+08	1.2E+08	806	821	1.2E+08	0.169361	0.016247	0
chr11	1.21E+08	1.21E+08	676	691	1.21E+08	0.164301	0.019017	0
chr11	1.21E+08	1.21E+08	612	622	1.21E+08	0.17258	0.014672	0
chr11	1.22E+08	1.22E+08	610	635	1.22E+08	0.138016	0.040674	0
chr11	1.22E+08	1.22E+08	513	661	1.22E+08	-0.16973	0.016753	0
chr11	1.22E+08	1.22E+08	493	626	1.22E+08	-0.14861	0.031188	0
chr11	1.24E+08	1.24E+08	480	615	1.24E+08	-0.16159	0.021437	0
chr11	1.24E+08	1.24E+08	459	592	1.24E+08	-0.17114	0.016038	0
chr11	1.25E+08	1.25E+08	655	679	1.25E+08	0.144046	0.034454	0
chr11	1.25E+08	1.25E+08	709	723	1.25E+08	0.167753	0.017087	0
chr11	1.26E+08	1.26E+08	525	545	1.26E+08	0.142024	0.036446	0
chr11	1.26E+08	1.26E+08	691	718	1.26E+08	0.140665	0.037837	0
chr11	1.26E+08	1.26E+08	709	734	1.26E+08	0.145969	0.032644	0

chr11	1.26E+08	1.26E+08	685	697	1.26E+08	0.170908	0.015472	0
chr11	1.26E+08	1.26E+08	679	687	1.26E+08	0.179065	0.011894	0
chr11	1.27E+08	1.27E+08	446	562	1.27E+08	-0.13756	0.042169	0
chr11	1.27E+08	1.27E+08	454	573	1.27E+08	-0.13988	0.039638	0
chr11	1.28E+08	1.28E+08	381	485	1.28E+08	-0.15223	0.028155	0
chr11	1.28E+08	1.28E+08	446	560	1.28E+08	-0.13242	0.048262	0
chr11	1.28E+08	1.28E+08	505	636	1.28E+08	-0.13678	0.043054	0
chr11	1.29E+08	1.29E+08	460	593	1.29E+08	-0.17044	0.016392	0
chr11	1.29E+08	1.29E+08	458	575	1.29E+08	-0.13225	0.048473	0
chr11	1.3E+08	1.3E+08	663	683	1.3E+08	0.153086	0.026613	0
chr11	1.3E+08	1.3E+08	649	675	1.3E+08	0.139294	0.039284	0
chr11	1.3E+08	1.3E+08	627	646	1.30E+08	0.152894	0.026763	0
chr11	1.3E+08	1.3E+08	577	593	1.3E+08	0.156502	0.024068	0
chr11	1.31E+08	1.31E+08	523	659	1.31E+08	-0.1375	0.042235	0
chr11	1.32E+08	1.32E+08	508	659	1.32E+08	-0.17949	0.012322	0
chr11	1.32E+08	1.32E+08	538	555	1.32E+08	0.151081	0.028209	0
chr11	1.32E+08	1.32E+08	466	586	1.32E+08	-0.13461	0.045589	0
chr11	1.32E+08	1.32E+08	412	517	1.32E+08	-0.13156	0.049351	0
chr11	1.33E+08	1.33E+08	454	588	1.33E+08	-0.17716	0.013274	0
chr11	1.33E+08	1.33E+08	470	605	1.33E+08	-0.16831	0.017499	0
chr11	1.33E+08	1.33E+08	458	584	1.33E+08	-0.15466	0.026263	0
chr11	1.33E+08	1.33E+08	498	627	1.33E+08	-0.13636	0.043539	0
chr11	1.33E+08	1.34E+08	489	625	1.33E+08	-0.15806	0.023791	0
chr11	1.33E+08	1.34E+08	432	542	1.34E+08	-0.1313	0.049681	0
chr11	1.35E+08	1.35E+08	552	709	1.35E+08	-0.16515	0.019264	0
chr11	1.35E+08	1.35E+08	448	452	1.35E+08	0.183139	0.010393	0
chr11	1.35E+08	1.35E+08	420	431	1.35E+08	0.158664	0.022566	0
chr12	450001	550000	775	781	5.00E+05	0.184837	0.009818	0
chr12	1700001	1800000	1029	1014	1750000	0.217148	0.003075	0
chr12	1750001	1850000	939	944	1800000	0.188301	0.00873	0
chr12	1800001	1900000	927	918	1850000	0.210038	0.004021	0
chr12	1850001	1950000	1130	1061	1900000	0.286861	0.000152	0
chr12	3000001	3100000	893	870	3050000	0.233608	0.001608	0
chr12	6400001	6500000	1168	1110	6450000	0.269444	0.000343	0
chr12	6450001	6550000	1099	1028	6500000	0.292314	0.000116	0
chr12	6500001	6600000	995	987	6550000	0.207609	0.004399	0
chr12	6550001	6650000	1003	996	6600000	0.206067	0.004656	0
chr12	6750001	6850000	1020	980	6800000	0.253679	0.000692	0
chr12	6800001	6900000	1036	1015	6850000	0.225507	0.002223	0
chr12	6950001	7050000	1101	1030	7.00E+06	0.292133	0.000117	0
chr12	7000001	7100000	1190	1080	7050000	0.335893	1.21E-05	0
chr12	8050001	8150000	723	688	8100000	0.26755	0.000374	0
chr12	8100001	8200000	791	772	8150000	0.23104	0.001784	0
chr12	8300001	8400000	177	175	8350000	0.212357	0.003687	0
chr12	9600001	9700000	170	161	9650000	0.274437	0.000273	0
chr12	10500001	10600000	667	671	10550000	0.187337	0.009022	0
chr12	11150001	11250000	514	510	11200000	0.207234	0.004461	0

chr12	11250001	11350000	732	734	11300000	0.192027	0.007681	0
chr12	12850001	12950000	1040	1003	12900000	0.248225	0.000876	0
chr12	12900001	13000000	1005	988	12950000	0.220576	0.002696	0
chr12	13000001	13100000	939	929	13050000	0.21141	0.003821	0
chr12	13050001	13150000	1089	1044	13100000	0.256845	0.000603	0
chr12	14450001	14550000	658	659	14500000	0.193772	0.007228	0
chr12	15500001	15600000	643	865	15550000	-0.23192	0.001904	0
chr12	17200001	17300000	589	779	17250000	-0.20739	0.004773	0
chr12	17250001	17350000	565	750	17300000	-0.21268	0.003942	0
chr12	17300001	17400000	571	767	17350000	-0.22977	0.00207	0
chr12	18750001	18850000	625	842	18800000	-0.234	0.001755	0
chr12	20600001	20700000	1003	975	20650000	0.236811	0.001411	0
chr12	20650001	20750000	1045	1014	20700000	0.239408	0.001268	0
chr12	21600001	21700000	913	900	21650000	0.216653	0.003134	0
chr12	22050001	22150000	607	820	22100000	-0.23796	0.0015	0
chr12	23950001	24050000	605	809	2.40E+07	-0.22324	0.00266	0
chr12	24500001	24600000	664	875	24550000	-0.20214	0.005752	0
chr12	25850001	25950000	697	929	25900000	-0.21856	0.003173	0
chr12	27100001	27200000	913	917	27150000	0.189656	0.008335	0
chr12	28900001	29000000	615	808	28950000	-0.19781	0.00669	0
chr12	30100001	30200000	659	880	30150000	-0.22126	0.002867	0
chr12	31200001	31300000	160	138	31250000	0.409367	1.48E-07	0
chr12	31250001	31350000	114	109	31300000	0.260669	0.000509	0
chr12	34000001	34100000	459	637	34050000	-0.27684	0.000288	0
chr12	34050001	34150000	372	522	34100000	-0.29278	0.000138	0
chr12	34450001	34550000	1144	1109	34500000	0.240791	0.001197	0
chr12	34750001	34850000	538	725	34800000	-0.23441	0.001727	0
chr12	34800001	34900000	358	479	34850000	-0.2241	0.002574	0
chr12	34850001	34950000	41	41	34900000	0.195963	0.006694	0
chr12	37800001	37900000	39	58	37850000	-0.37662	1.71E-06	0
chr12	37900001	38000000	202	266	37950000	-0.20111	0.005964	0
chr12	38250001	38350000	510	683	38300000	-0.22543	0.002448	0
chr12	38300001	38400000	546	726	38350000	-0.21511	0.003606	0
chr12	39050001	39150000	644	875	39100000	-0.24626	0.001072	0
chr12	39100001	39200000	568	797	39150000	-0.29273	0.000139	0
chr12	39550001	39650000	559	739	39600000	-0.20676	0.004882	0
chr12	40000001	40100000	609	811	40050000	-0.2173	0.003325	0
chr12	40750001	40850000	577	837	40800000	-0.34069	1.25E-05	0
chr12	40800001	40900000	625	835	40850000	-0.22196	0.002793	0
chr12	41400001	41500000	555	736	41450000	-0.21125	0.004152	0
chr12	41500001	41600000	567	741	41550000	-0.19016	0.008679	0
chr12	42200001	42300000	605	830	42250000	-0.26021	0.000597	0
chr12	42250001	42350000	666	906	42300000	-0.24803	0.000997	0
chr12	42400001	42500000	617	823	42450000	-0.21966	0.003045	0
chr12	43150001	43250000	661	868	43200000	-0.19708	0.006859	0
chr12	44300001	44400000	636	850	44350000	-0.22247	0.002739	0
chr12	44550001	44650000	585	811	44600000	-0.2753	0.000308	0

chr12	44900001	45000000	624	817	44950000	-0.19283	0.007933	0
chr12	45300001	45400000	606	797	45350000	-0.1993	0.006352	0
chr12	45600001	45700000	940	929	45650000	0.212945	0.003607	0
chr12	45900001	46000000	705	963	45950000	-0.25395	0.000779	0
chr12	45950001	46050000	743	975	4.60E+07	-0.19608	0.0071	0
chr12	46450001	46550000	799	1045	46500000	-0.19127	0.008361	0
chr12	47950001	48050000	743	978	4.80E+07	-0.20051	0.00609	0
chr12	48100001	48200000	1387	1319	48150000	0.268486	0.000358	0
chr12	48150001	48250000	1311	1230	48200000	0.287972	0.000144	0
chr12	48300001	48400000	1230	1212	48350000	0.217232	0.003066	0
chr12	49050001	49150000	836	825	49100000	0.215072	0.003328	0
chr12	49200001	49300000	948	941	49250000	0.206655	0.004557	0
chr12	49300001	49400000	1107	1106	49350000	0.197267	0.006393	0
chr12	49350001	49450000	1226	1193	49400000	0.235328	0.0015	0
chr12	49400001	49500000	1136	1080	49450000	0.268895	0.000352	0
chr12	49450001	49550000	964	878	49500000	0.330775	1.60E-05	0
chr12	50150001	50250000	1095	1028	50200000	0.287054	0.00015	0
chr12	50200001	50300000	1129	1122	50250000	0.204936	0.004853	0
chr12	51150001	51250000	796	796	51200000	0.195963	0.006694	0
chr12	51550001	51650000	899	900	51600000	0.194359	0.007081	0
chr12	52350001	52450000	1161	1142	52400000	0.219768	0.002781	0
chr12	52400001	52500000	1146	1095	52450000	0.261639	0.000488	0
chr12	53350001	53450000	921	896	53400000	0.235665	0.001479	0
chr12	53400001	53500000	1154	1058	53450000	0.321267	2.67E-05	0
chr12	53450001	53550000	1061	1014	53500000	0.26133	0.000495	0
chr12	53500001	53600000	1001	966	53550000	0.24731	0.00091	0
chr12	53550001	53650000	1186	1167	53600000	0.219262	0.002836	0
chr12	53600001	53700000	1105	1112	53650000	0.186853	0.009172	0
chr12	53700001	53800000	960	960	53750000	0.195963	0.006694	0
chr12	53750001	53850000	881	827	53800000	0.287218	0.000149	0
chr12	53800001	53900000	1037	999	53850000	0.249822	0.000818	0
chr12	54350001	54450000	1264	1271	54400000	0.187995	0.008822	0
chr12	54550001	54650000	1095	1044	54600000	0.264772	0.000424	0
chr12	54600001	54700000	1010	985	54650000	0.232123	0.001708	0
chr12	54700001	54800000	1062	1047	54750000	0.216485	0.003154	0
chr12	54750001	54850000	1156	1111	54800000	0.253246	0.000706	0
chr12	54800001	54900000	1001	990	54850000	0.211905	0.00375	0
chr12	56100001	56200000	1037	1033	56150000	0.201539	0.005489	0
chr12	56250001	56350000	880	877	56300000	0.20089	0.005618	0
chr12	56300001	56400000	1022	995	56350000	0.23459	0.001545	0
chr12	56550001	56650000	718	712	56600000	0.20807	0.004325	0
chr12	56600001	56700000	664	620	56650000	0.294878	0.000103	0
chr12	56650001	56750000	656	626	56700000	0.263496	0.000449	0
chr12	56850001	56950000	665	643	56900000	0.244499	0.001025	0
chr12	57000001	57100000	847	833	57050000	0.220009	0.002755	0
chr12	57050001	57150000	880	832	57100000	0.276883	0.000243	0
chr12	57600001	57700000	761	762	57650000	0.194068	0.007154	0



chr12	57850001	57950000	704	695	57900000	0.214525	0.003398	0
chr12	58000001	58100000	613	607	58050000	0.210154	0.004004	0
chr12	58050001	58150000	676	672	58100000	0.204525	0.004926	0
chr12	58250001	58350000	647	647	58300000	0.195963	0.006694	0
chr12	58300001	58400000	574	574	58350000	0.195963	0.006694	0
chr12	58700001	58800000	535	536	58750000	0.193269	0.007356	0
chr12	58800001	58900000	452	592	58850000	-0.19331	0.007803	0
chr12	58850001	58950000	468	637	58900000	-0.24882	0.000965	0
chr12	59000001	59100000	450	590	59050000	-0.19483	0.007411	0
chr12	59050001	59150000	407	579	59100000	-0.31257	5.31E-05	0
chr12	59100001	59200000	443	581	59150000	-0.19527	0.0073	0
chr12	59150001	59250000	429	563	59200000	-0.19619	0.007072	0
chr12	59650001	59750000	363	520	59700000	-0.32258	3.21E-05	0
chr12	59700001	59800000	398	540	59750000	-0.24423	0.001165	0
chr12	59950001	60050000	586	589	6.00E+07	0.188596	0.008643	0
chr12	60850001	60950000	448	607	60900000	-0.24223	0.001263	0
chr12	60900001	61000000	430	607	60950000	-0.3014	9.17E-05	0
chr12	61150001	61250000	350	491	61200000	-0.29241	0.000141	0
chr12	61200001	61300000	366	500	61250000	-0.25412	0.000774	0
chr12	61400001	61500000	339	463	61450000	-0.25376	0.000785	0
chr12	61700001	61800000	381	501	61750000	-0.19906	0.006406	0
chr12	63750001	63850000	503	507	63800000	0.184536	0.009918	0
chr12	63800001	63900000	493	493	63850000	0.195963	0.006694	0
chr12	64050001	64150000	118	161	64100000	-0.25231	0.000835	0
chr12	65800001	65900000	610	606	65850000	0.205454	0.004762	0
chr12	66300001	66400000	438	594	66350000	-0.24357	0.001197	0
chr12	66950001	67050000	417	560	6.70E+07	-0.22942	0.002099	0
chr12	67000001	67100000	454	618	67050000	-0.24895	0.00096	0
chr12	67200001	67300000	449	596	67250000	-0.21263	0.003949	0
chr12	68100001	68200000	450	614	68150000	-0.25235	0.000833	0
chr12	69100001	69200000	599	588	69150000	0.222703	0.002482	0
chr12	69150001	69250000	607	571	69200000	0.284169	0.000173	0
chr12	69900001	70000000	625	617	69950000	0.214549	0.003395	0
chr12	71050001	71150000	512	668	71100000	-0.18774	0.009409	0
chr12	71100001	71200000	460	626	71150000	-0.24857	0.000975	0
chr12	71300001	71400000	481	641	71350000	-0.21832	0.0032	0
chr12	72650001	72750000	457	641	72700000	-0.29217	0.000142	0
chr12	72800001	72900000	423	558	72850000	-0.20364	0.005455	0
chr12	73450001	73550000	354	501	73500000	-0.3051	7.66E-05	0
chr12	73500001	73600000	310	454	73550000	-0.35446	5.95E-06	0
chr12	73550001	73650000	349	469	73600000	-0.2304	0.00202	0
chr12	73800001	73900000	349	490	73850000	-0.29359	0.000133	0
chr12	74000001	74100000	339	442	74050000	-0.1868	0.009708	0
chr12	74650001	74750000	365	479	74700000	-0.19617	0.007078	0
chr12	75100001	75200000	396	548	75150000	-0.27271	0.000346	0
chr12	75150001	75250000	403	532	75200000	-0.20468	0.005258	0
chr12	76250001	76350000	560	560	76300000	0.195963	0.006694	0

chr12	76400001	76500000	631	635	76450000	0.186846	0.009173	0
chr12	77950001	78050000	404	557	7.80E+07	-0.26736	0.000438	0
chr12	78000001	78100000	385	540	78050000	-0.29214	0.000142	0
chr12	78550001	78650000	396	537	78600000	-0.24346	0.001202	0
chr12	79100001	79200000	400	537	79150000	-0.22896	0.002136	0
chr12	79150001	79250000	400	539	79200000	-0.23432	0.001733	0
chr12	79450001	79550000	435	582	79500000	-0.22404	0.00258	0
chr12	80650001	80750000	418	552	80700000	-0.2052	0.005162	0
chr12	80700001	80800000	371	513	80750000	-0.27158	0.000364	0
chr12	81400001	81500000	340	469	81450000	-0.26809	0.000425	0
chr12	81450001	81550000	341	457	81500000	-0.22646	0.002353	0
chr12	81500001	81600000	402	531	81550000	-0.20555	0.005098	0
chr12	81550001	81650000	407	554	81600000	-0.24889	0.000962	0
chr12	81600001	81700000	405	530	81650000	-0.19211	0.008128	0
chr12	82050001	82150000	374	518	82100000	-0.27395	0.000328	0
chr12	82100001	82200000	425	571	82150000	-0.23006	0.002047	0
chr12	82450001	82550000	412	575	82500000	-0.28495	0.000199	0
chr12	82500001	82600000	374	557	82550000	-0.37868	1.52E-06	0
chr12	82550001	82650000	360	517	82600000	-0.3262	2.67E-05	0
chr12	83250001	83350000	376	490	83300000	-0.18609	0.009939	0
chr12	83300001	83400000	372	525	83350000	-0.30105	9.32E-05	0
chr12	83450001	83550000	391	539	83500000	-0.26715	0.000442	0
chr12	83600001	83700000	297	419	83650000	-0.30052	9.56E-05	0
chr12	84600001	84700000	366	477	84650000	-0.18618	0.009908	0
chr12	84750001	84850000	385	517	84800000	-0.22934	0.002105	0
chr12	86050001	86150000	429	560	86100000	-0.18849	0.009179	0
chr12	86250001	86350000	384	541	86300000	-0.29856	0.000105	0
chr12	86300001	86400000	407	547	86350000	-0.23055	0.002009	0
chr12	87050001	87150000	472	625	87100000	-0.20911	0.004488	0
chr12	87450001	87550000	409	533	87500000	-0.18607	0.009944	0
chr12	89200001	89300000	460	610	89250000	-0.21121	0.004159	0
chr12	89350001	89450000	510	692	89400000	-0.24431	0.001161	0
chr12	89400001	89500000	513	676	89450000	-0.2021	0.005759	0
chr12	90550001	90650000	464	614	90600000	-0.20815	0.004645	0
chr12	91000001	91100000	410	544	91050000	-0.21202	0.004038	0
chr12	91850001	91950000	522	513	91900000	0.221054	0.002646	0
chr12	95550001	95650000	546	548	95600000	0.190688	0.008044	0
chr12	96900001	97000000	485	638	96950000	-0.19961	0.006284	0
chr12	96950001	97050000	450	621	9.70E+07	-0.26871	0.000413	0
chr12	98000001	98100000	373	488	98050000	-0.19174	0.008229	0
chr12	98300001	98400000	474	621	98350000	-0.19374	0.00769	0
chr12	1.01E+08	1.01E+08	503	485	1.01E+08	0.248537	0.000864	0
chr12	1.02E+08	1.02E+08	556	532	1.02E+08	0.259622	0.000534	0
chr12	1.03E+08	1.03E+08	437	613	1.03E+08	-0.29229	0.000141	0
chr12	1.04E+08	1.04E+08	432	579	1.04E+08	-0.22657	0.002343	0
chr12	1.04E+08	1.04E+08	700	696	1.04E+08	0.204231	0.004979	0
chr12	1.05E+08	1.05E+08	598	599	1.05E+08	0.193553	0.007284	0

chr12	1.05E+08	1.05E+08	650	597	1.05E+08	0.318672	3.06E-05	0
chr12	1.05E+08	1.05E+08	647	575	1.05E+08	0.366167	2.15E-06	0
chr12	1.06E+08	1.06E+08	478	646	1.06E+08	-0.23856	0.001464	0
chr12	1.06E+08	1.06E+08	482	673	1.06E+08	-0.28561	0.000193	0
chr12	1.06E+08	1.06E+08	467	639	1.06E+08	-0.25643	0.000702	0
chr12	1.07E+08	1.07E+08	645	594	1.07E+08	0.314799	3.74E-05	0
chr12	1.07E+08	1.07E+08	614	572	1.07E+08	0.298187	8.72E-05	0
chr12	1.08E+08	1.08E+08	656	651	1.08E+08	0.207001	0.004499	0
chr12	1.08E+08	1.08E+08	592	568	1.08E+08	0.255669	0.000635	0
chr12	1.09E+08	1.09E+08	268	259	1.09E+08	0.245244	0.000994	0
chr12	1.1E+08	1.1E+08	671	655	1.1E+08	0.230781	0.001803	0
chr12	1.1E+08	1.11E+08	615	603	1.1E+08	0.224391	0.002323	0
chr12	1.11E+08	1.11E+08	573	577	1.11E+08	0.185927	0.009464	0
chr12	1.12E+08	1.12E+08	690	641	1.12E+08	0.302235	7.12E-05	0
chr12	1.12E+08	1.12E+08	726	694	1.12E+08	0.260997	0.000502	0
chr12	1.13E+08	1.13E+08	663	601	1.13E+08	0.337607	1.10E-05	0
chr12	1.13E+08	1.13E+08	576	554	1.13E+08	0.252146	0.00074	0
chr12	1.14E+08	1.14E+08	739	719	1.14E+08	0.235546	0.001486	0
chr12	1.14E+08	1.14E+08	751	696	1.14E+08	0.305689	5.98E-05	0
chr12	1.14E+08	1.14E+08	728	682	1.14E+08	0.29013	0.00013	0
chr12	1.14E+08	1.14E+08	716	702	1.14E+08	0.224452	0.002318	0
chr12	1.15E+08	1.15E+08	550	545	1.15E+08	0.209138	0.004158	0
chr12	1.18E+08	1.19E+08	592	590	1.19E+08	0.200845	0.005627	0
chr12	1.19E+08	1.19E+08	541	542	1.19E+08	0.193299	0.007348	0
chr12	1.2E+08	1.2E+08	534	700	1.2E+08	-0.19455	0.007481	0
chr12	1.2E+08	1.21E+08	716	648	1.21E+08	0.339929	9.69E-06	0
chr12	1.21E+08	1.21E+08	814	757	1.21E+08	0.300699	7.69E-05	0
chr12	1.21E+08	1.21E+08	697	660	1.21E+08	0.274656	0.00027	0
chr12	1.21E+08	1.21E+08	663	605	1.21E+08	0.328037	1.86E-05	0
chr12	1.21E+08	1.21E+08	586	544	1.21E+08	0.303257	6.76E-05	0
chr12	1.21E+08	1.21E+08	731	712	1.21E+08	0.233957	0.001586	0
chr12	1.21E+08	1.21E+08	754	685	1.21E+08	0.334424	1.31E-05	0
chr12	1.21E+08	1.21E+08	696	692	1.21E+08	0.204278	0.00497	0
chr12	1.21E+08	1.21E+08	556	558	1.21E+08	0.190783	0.008018	0
chr12	1.21E+08	1.21E+08	607	601	1.21E+08	0.210295	0.003983	0
chr12	1.22E+08	1.22E+08	659	664	1.22E+08	0.185058	0.009745	0
chr12	1.22E+08	1.23E+08	568	545	1.23E+08	0.255598	0.000637	0
chr12	1.23E+08	1.23E+08	675	674	1.23E+08	0.198102	0.006206	0
chr12	1.23E+08	1.23E+08	672	650	1.23E+08	0.243985	0.001048	0
chr12	1.23E+08	1.23E+08	624	603	1.23E+08	0.245351	0.000989	0
chr12	1.23E+08	1.23E+08	585	579	1.23E+08	0.210836	0.003903	0
chr12	1.23E+08	1.23E+08	565	555	1.23E+08	0.221726	0.002578	0
chr12	1.23E+08	1.23E+08	623	612	1.23E+08	0.221664	0.002584	0
chr12	1.23E+08	1.23E+08	614	593	1.23E+08	0.24617	0.000955	0
chr12	1.23E+08	1.23E+08	697	673	1.23E+08	0.246515	0.000942	0
chr12	1.23E+08	1.23E+08	766	731	1.23E+08	0.263436	0.00045	0
chr12	1.23E+08	1.23E+08	656	660	1.23E+08	0.187193	0.009066	0

chr12	1.24E+08	1.24E+08	586	577	1.24E+08	0.218292	0.002943	0
chr12	1.24E+08	1.24E+08	580	579	1.24E+08	0.198453	0.006129	0
chr12	1.24E+08	1.24E+08	573	570	1.24E+08	0.203536	0.005106	0
chr12	1.24E+08	1.24E+08	535	511	1.24E+08	0.262179	0.000476	0
chr12	1.25E+08	1.25E+08	892	884	1.25E+08	0.20896	0.004185	0
chr12	1.25E+08	1.25E+08	852	858	1.25E+08	0.185839	0.009492	0
chr12	1.25E+08	1.25E+08	836	817	1.25E+08	0.22913	0.001926	0
chr12	1.25E+08	1.25E+08	812	790	1.25E+08	0.23559	0.001484	0
chr12	1.25E+08	1.25E+08	683	669	1.25E+08	0.225842	0.002194	0
chr12	1.25E+08	1.25E+08	617	615	1.25E+08	0.200647	0.005667	0
chr12	1.26E+08	1.26E+08	497	668	1.26E+08	-0.23064	0.002002	0
chr12	1.26E+08	1.27E+08	440	600	1.26E+08	-0.2515	0.000863	0
chr12	1.27E+08	1.27E+08	462	610	1.27E+08	-0.20495	0.005207	0
chr12	1.27E+08	1.27E+08	469	617	1.27E+08	-0.19972	0.00626	0
chr12	1.27E+08	1.27E+08	480	638	1.27E+08	-0.21456	0.00368	0
chr12	1.27E+08	1.27E+08	466	617	1.27E+08	-0.20898	0.004509	0
chr12	1.28E+08	1.28E+08	378	493	1.28E+08	-0.18724	0.009568	0
chr12	1.28E+08	1.29E+08	412	547	1.28E+08	-0.21293	0.003906	0
chr12	1.3E+08	1.3E+08	484	647	1.3E+08	-0.2228	0.002705	0
chr12	1.3E+08	1.31E+08	698	688	1.31E+08	0.216782	0.003119	0
chr12	1.32E+08	1.32E+08	602	606	1.32E+08	0.186409	0.009311	0
chr12	1.32E+08	1.32E+08	732	678	1.32E+08	0.306521	5.73E-05	0
chr12	1.32E+08	1.32E+08	751	664	1.32E+08	0.373593	1.38E-06	0
chr12	1.33E+08	1.33E+08	744	715	1.33E+08	0.253322	0.000703	0
chr12	1.33E+08	1.33E+08	842	808	1.33E+08	0.255428	0.000642	0
chr12	1.33E+08	1.33E+08	41	63	1.33E+08	-0.42376	9.93E-08	0
chr12	1.33E+08	1.33E+08	834	794	1.33E+08	0.266871	0.000386	0
chr12	1.33E+08	1.33E+08	811	746	1.33E+08	0.316489	3.43E-05	0
chr12	1.33E+08	1.33E+08	860	843	1.33E+08	0.224767	0.002289	0
chr12	1.33E+08	1.33E+08	681	675	1.33E+08	0.20873	0.004221	0
chr12	1.33E+08	1.33E+08	659	625	1.33E+08	0.272385	0.0003	0
chr12	1	100000	114	117	50000	0.158488	0.022685	0
chr12	500001	600000	932	948	550000	0.171406	0.01523	0
chr12	850001	950000	900	934	9.00E+05	0.142465	0.036003	0
chr12	900001	1000000	948	975	950000	0.155448	0.024831	0
chr12	1900001	2000000	1124	1152	1950000	0.160464	0.021376	0
chr12	2450001	2550000	1126	1169	2500000	0.141895	0.036576	0
chr12	2500001	2600000	1115	1133	2550000	0.172859	0.014542	0
chr12	2600001	2700000	1095	1121	2650000	0.162108	0.020337	0
chr12	2650001	2750000	1157	1172	2700000	0.177379	0.012568	0
chr12	2900001	3000000	990	1027	2950000	0.143027	0.035446	0
chr12	2950001	3050000	865	896	3.00E+06	0.145164	0.033391	0
chr12	3050001	3150000	1022	1055	3100000	0.150115	0.029007	0
chr12	4600001	4700000	815	830	4650000	0.169652	0.016099	0
chr12	4950001	5050000	943	981	5.00E+06	0.138968	0.039635	0
chr12	5050001	5150000	919	958	5100000	0.136002	0.042943	0
chr12	5200001	5300000	851	873	5250000	0.159141	0.022246	0

chr12	5450001	5550000	935	948	5500000	0.176042	0.013126	0
chr12	6600001	6700000	1017	1033	6650000	0.173442	0.014273	0
chr12	6700001	6800000	1081	1110	6750000	0.15777	0.023178	0
chr12	6850001	6950000	1085	1132	6900000	0.134784	0.044365	0
chr12	6900001	7000000	1049	1095	6950000	0.134047	0.045244	0
chr12	7050001	7150000	1085	1103	7100000	0.172225	0.014838	0
chr12	7150001	7250000	559	574	7200000	0.157761	0.023184	0
chr12	7250001	7350000	1099	1145	7300000	0.136807	0.042024	0
chr12	7700001	7800000	739	752	7750000	0.170805	0.015523	0
chr12	8000001	8100000	656	685	8050000	0.133555	0.045839	0
chr12	8450001	8550000	87	91	8500000	0.131112	0.048884	0
chr12	9150001	9250000	882	923	9200000	0.130411	0.049786	0
chr12	9250001	9350000	909	932	9300000	0.159913	0.021734	0
chr12	9550001	9650000	164	166	9600000	0.178476	0.012126	0
chr12	9650001	9750000	209	263	9700000	-0.1356	0.044421	0
chr12	9900001	10000000	841	880	9950000	0.130565	0.049587	0
chr12	10250001	10350000	809	842	10300000	0.138283	0.04038	0
chr12	11200001	11300000	471	477	11250000	0.177701	0.012437	0
chr12	11450001	11550000	367	463	11500000	-0.13927	0.040293	0
chr12	11550001	11650000	657	687	11600000	0.131546	0.048331	0
chr12	11850001	11950000	849	1096	11900000	-0.17245	0.015398	0
chr12	12950001	13050000	914	942	1.30E+07	0.15243	0.027127	0
chr12	13300001	13400000	1138	1149	13350000	0.182085	0.010764	0
chr12	13350001	13450000	1106	1147	13400000	0.143449	0.035033	0
chr12	13750001	13850000	806	1022	13800000	-0.14658	0.033007	0
chr12	14100001	14200000	609	787	14150000	-0.17396	0.014688	0
chr12	14150001	14250000	547	699	14200000	-0.15779	0.02398	0
chr12	14500001	14600000	743	770	14550000	0.144467	0.034051	0
chr12	14600001	14700000	664	847	14650000	-0.15522	0.025843	0
chr12	15350001	15450000	708	894	15400000	-0.14056	0.038916	0
chr12	15400001	15500000	705	911	15450000	-0.17386	0.014731	0
chr12	15450001	15550000	715	926	15500000	-0.17711	0.013297	0
chr12	15550001	15650000	659	830	15600000	-0.13687	0.042952	0
chr12	15950001	16050000	781	806	1.60E+07	0.150506	0.028682	0
chr12	16000001	16100000	806	837	16050000	0.141515	0.036962	0
chr12	16100001	16200000	720	926	16150000	-0.16705	0.018186	0
chr12	16150001	16250000	694	900	16200000	-0.17903	0.012506	0
chr12	17050001	17150000	636	806	17100000	-0.14579	0.033737	0
chr12	17100001	17200000	567	732	17150000	-0.17253	0.015358	0
chr12	17150001	17250000	573	731	17200000	-0.15537	0.025725	0
chr12	17350001	17450000	601	757	17400000	-0.13697	0.042844	0
chr12	18400001	18500000	671	843	18450000	-0.13326	0.047225	0
chr12	18450001	18550000	663	850	18500000	-0.16249	0.020869	0
chr12	18700001	18800000	603	779	18750000	-0.1735	0.014899	0
chr12	20900001	21000000	574	741	20950000	-0.17246	0.015393	0
chr12	21200001	21300000	591	758	21250000	-0.16308	0.020506	0
chr12	22000001	22100000	639	804	22050000	-0.13542	0.044632	0

chr12	22550001	22650000	550	701	22600000	-0.15402	0.026749	0
chr12	23250001	23350000	576	723	23300000	-0.13196	0.048835	0
chr12	23300001	23400000	620	786	23350000	-0.1463	0.033266	0
chr12	23350001	23450000	670	870	23400000	-0.18089	0.011777	0
chr12	24200001	24300000	729	922	24250000	-0.14288	0.03654	0
chr12	24450001	24550000	691	880	24500000	-0.15285	0.027658	0
chr12	24700001	24800000	723	931	24750000	-0.16882	0.017227	0
chr12	24750001	24850000	657	848	24800000	-0.17221	0.015514	0
chr12	25350001	25450000	910	950	25400000	0.133902	0.045419	0
chr12	25550001	25650000	699	901	25600000	-0.17027	0.016475	0
chr12	26950001	27050000	914	930	2.70E+07	0.170926	0.015464	0
chr12	27150001	27250000	788	807	27200000	0.16159	0.020659	0
chr12	28150001	28250000	718	925	28200000	-0.16951	0.016868	0
chr12	28750001	28850000	593	754	28800000	-0.15057	0.029515	0
chr12	29250001	29350000	591	752	29300000	-0.15161	0.028656	0
chr12	30050001	30150000	618	778	30100000	-0.1362	0.04372	0
chr12	30150001	30250000	670	842	30200000	-0.1337	0.046688	0
chr12	31150001	31250000	487	498	31200000	0.163739	0.019348	0
chr12	31650001	31750000	835	847	31700000	0.175377	0.013411	0
chr12	31800001	31900000	879	918	31850000	0.133332	0.04611	0
chr12	32800001	32900000	781	795	32850000	0.170331	0.015758	0
chr12	32850001	32950000	779	812	32900000	0.136107	0.042823	0
chr12	33400001	33500000	622	786	33450000	-0.14165	0.037786	0
chr12	33550001	33650000	633	804	33600000	-0.14903	0.030827	0
chr12	33600001	33700000	563	721	33650000	-0.1609	0.02188	0
chr12	33700001	33800000	650	825	33750000	-0.14799	0.031734	0
chr12	33750001	33850000	623	801	33800000	-0.16661	0.018434	0
chr12	33850001	33950000	567	724	33900000	-0.15668	0.02477	0
chr12	34100001	34200000	333	429	34150000	-0.16949	0.016876	0
chr12	34400001	34500000	865	879	34450000	0.1728	0.014569	0
chr12	34500001	34600000	892	925	34550000	0.143553	0.034931	0
chr12	34600001	34700000	476	611	34650000	-0.16425	0.019798	0
chr12	38450001	38550000	528	548	38500000	0.142325	0.036144	0
chr12	39500001	39600000	625	797	39550000	-0.15476	0.026185	0
chr12	40400001	40500000	876	907	40450000	0.145791	0.032807	0
chr12	40550001	40650000	690	867	40600000	-0.13347	0.046961	0
chr12	40600001	40700000	710	894	40650000	-0.13649	0.043383	0
chr12	40700001	40800000	654	827	40750000	-0.14263	0.036791	0
chr12	41100001	41200000	621	806	41150000	-0.18022	0.012034	0
chr12	41450001	41550000	548	713	41500000	-0.18376	0.010728	0
chr12	41850001	41950000	675	879	41900000	-0.18501	0.010297	0
chr12	41900001	42000000	681	875	41950000	-0.16567	0.018968	0
chr12	41950001	42050000	617	794	4.20E+07	-0.16791	0.017718	0
chr12	42500001	42600000	830	849	42550000	0.16331	0.019604	0
chr12	43000001	43100000	688	887	43050000	-0.17056	0.016327	0
chr12	43050001	43150000	667	859	43100000	-0.16901	0.017129	0
chr12	43100001	43200000	666	861	43150000	-0.17453	0.014427	0

chr12	43200001	43300000	643	827	43250000	-0.16711	0.018156	0
chr12	43250001	43350000	676	848	43300000	-0.13108	0.049964	0
chr12	43700001	43800000	740	936	43750000	-0.14302	0.036405	0
chr12	44250001	44350000	676	849	44300000	-0.13278	0.047816	0
chr12	44600001	44700000	616	793	44650000	-0.16843	0.017437	0
chr12	44750001	44850000	697	884	44800000	-0.14692	0.032692	0
chr12	44800001	44900000	655	823	44850000	-0.13343	0.047007	0
chr12	44850001	44950000	648	842	44900000	-0.18186	0.011412	0
chr12	44950001	45050000	603	769	4.50E+07	-0.15486	0.026108	0
chr12	45050001	45150000	635	803	45100000	-0.14268	0.036744	0
chr12	45350001	45450000	710	904	45400000	-0.15254	0.027907	0
chr12	45850001	45950000	720	929	45900000	-0.17172	0.015752	0
chr12	46700001	46800000	898	923	46750000	0.156348	0.024179	0
chr12	46750001	46850000	999	1024	46800000	0.160304	0.02148	0
chr12	47400001	47500000	760	961	47450000	-0.14257	0.036851	0
chr12	48050001	48150000	1144	1184	48100000	0.146381	0.032266	0
chr12	48200001	48300000	1177	1201	48250000	0.166841	0.01758	0
chr12	48250001	48350000	1168	1211	48300000	0.143804	0.034687	0
chr12	48700001	48800000	786	807	48750000	0.157924	0.023071	0
chr12	49100001	49200000	918	931	49150000	0.175676	0.013282	0
chr12	49150001	49250000	999	1029	49200000	0.153277	0.026466	0
chr12	49650001	49750000	932	960	49700000	0.153259	0.02648	0
chr12	49700001	49800000	952	975	49750000	0.161522	0.020702	0
chr12	49850001	49950000	958	968	49900000	0.180982	0.011166	0
chr12	49900001	50000000	1091	1110	49950000	0.171054	0.015401	0
chr12	50100001	50200000	930	941	50150000	0.178999	0.011919	0
chr12	50250001	50350000	1117	1165	50300000	0.135262	0.043803	0
chr12	50400001	50500000	1114	1127	50450000	0.179225	0.011831	0
chr12	50450001	50550000	1094	1140	50500000	0.136542	0.042325	0
chr12	50500001	50600000	904	941	50550000	0.138091	0.040591	0
chr12	50550001	50650000	892	911	50600000	0.165556	0.018295	0
chr12	50600001	50700000	879	897	50650000	0.166718	0.017647	0
chr12	51600001	51700000	827	844	51650000	0.166607	0.017708	0
chr12	52200001	52300000	1090	1134	52250000	0.138871	0.03974	0
chr12	52450001	52550000	1030	1050	52500000	0.168218	0.01684	0
chr12	52500001	52600000	1127	1166	52550000	0.146883	0.031811	0
chr12	52550001	52650000	1236	1258	52600000	0.17051	0.015669	0
chr12	53250001	53350000	976	998	53300000	0.163804	0.019309	0
chr12	53300001	53400000	883	904	53350000	0.162054	0.02037	0
chr12	53650001	53750000	1045	1058	53700000	0.178126	0.012265	0
chr12	53850001	53950000	995	1031	53900000	0.144687	0.033841	0
chr12	54400001	54500000	852	875	54450000	0.157533	0.023342	0
chr12	54500001	54600000	974	1001	54550000	0.156515	0.024059	0
chr12	54650001	54750000	960	990	54700000	0.151569	0.027814	0
chr12	54850001	54950000	993	1034	54900000	0.137592	0.041143	0
chr12	56150001	56250000	949	984	56200000	0.143713	0.034776	0
chr12	56350001	56450000	881	895	56400000	0.173217	0.014376	0

chr12	56500001	56600000	697	728	56550000	0.133183	0.046292	0
chr12	56700001	56800000	606	612	56750000	0.181749	0.010885	0
chr12	56750001	56850000	595	610	56800000	0.160043	0.021649	0
chr12	56800001	56900000	603	631	56850000	0.130481	0.049696	0
chr12	56900001	57000000	831	849	56950000	0.165047	0.018585	0
chr12	57450001	57550000	760	777	57500000	0.164048	0.019165	0
chr12	57650001	57750000	599	611	57700000	0.167347	0.017305	0
chr12	57700001	57800000	536	547	57750000	0.166655	0.017682	0
chr12	57900001	58000000	693	700	57950000	0.181463	0.010989	0
chr12	58100001	58200000	717	726	58150000	0.177967	0.012329	0
chr12	58150001	58250000	712	730	58200000	0.159944	0.021715	0
chr12	58200001	58300000	708	734	58250000	0.143932	0.034564	0
chr12	58350001	58450000	496	519	58400000	0.130569	0.049582	0
chr12	58500001	58600000	481	607	58550000	-0.1397	0.039833	0
chr12	60000001	60100000	568	582	60050000	0.160835	0.021138	0
chr12	60050001	60150000	540	549	60100000	0.172116	0.01489	0
chr12	60450001	60550000	476	615	60500000	-0.17366	0.014825	0
chr12	60500001	60600000	476	612	60550000	-0.16661	0.018434	0
chr12	60600001	60700000	460	594	60650000	-0.17287	0.015199	0
chr12	60650001	60750000	469	602	60700000	-0.16421	0.019819	0
chr12	60800001	60900000	437	563	60850000	-0.16954	0.016852	0
chr12	61550001	61650000	377	476	61600000	-0.14043	0.039051	0
chr12	61650001	61750000	352	456	61700000	-0.1775	0.013133	0
chr12	62000001	62100000	419	529	62050000	-0.14035	0.039135	0
chr12	62050001	62150000	439	551	62100000	-0.13187	0.048956	0
chr12	62100001	62200000	501	515	62150000	0.156201	0.024284	0
chr12	62950001	63050000	640	663	6.30E+07	0.145026	0.033521	0
chr12	64000001	64100000	61	78	64050000	-0.1587	0.023347	0
chr12	65000001	65100000	593	613	65050000	0.148108	0.030723	0
chr12	65500001	65600000	543	687	65550000	-0.14339	0.036035	0
chr12	65850001	65950000	623	635	65900000	0.168439	0.016724	0
chr12	66350001	66450000	475	607	66400000	-0.15781	0.023968	0
chr12	66850001	66950000	383	483	66900000	-0.13872	0.040894	0
chr12	67350001	67450000	462	585	67400000	-0.14458	0.034882	0
chr12	67550001	67650000	413	525	67600000	-0.15021	0.029814	0
chr12	68050001	68150000	468	609	68100000	-0.18397	0.010655	0
chr12	68300001	68400000	439	558	68350000	-0.15008	0.029925	0
chr12	68350001	68450000	473	603	68400000	-0.15435	0.026493	0
chr12	68550001	68650000	521	654	68600000	-0.13204	0.048734	0
chr12	68800001	68900000	560	577	68850000	0.152819	0.026822	0
chr12	68850001	68950000	552	568	68900000	0.15474	0.025354	0
chr12	69050001	69150000	589	606	69100000	0.154913	0.025226	0
chr12	69200001	69300000	619	643	69250000	0.141084	0.037404	0
chr12	69350001	69450000	597	622	69400000	0.136779	0.042055	0
chr12	69800001	69900000	602	610	69850000	0.176917	0.012758	0
chr12	69950001	70050000	628	645	7.00E+07	0.157428	0.023415	0
chr12	70700001	70800000	559	571	70750000	0.165321	0.018428	0



chr12	70850001	70950000	446	566	70900000	-0.1478	0.031909	0
chr12	71350001	71450000	514	650	71400000	-0.14271	0.036716	0
chr12	71450001	71550000	406	510	71500000	-0.13305	0.047474	0
chr12	71550001	71650000	453	578	71600000	-0.1556	0.025561	0
chr12	71600001	71700000	445	574	71650000	-0.17128	0.015967	0
chr12	71650001	71750000	436	559	71700000	-0.16256	0.020827	0
chr12	72000001	72100000	571	593	72050000	0.141422	0.037057	0
chr12	72450001	72550000	436	562	72500000	-0.17028	0.016471	0
chr12	72600001	72700000	480	620	72650000	-0.17327	0.015008	0
chr12	73300001	73400000	360	469	73350000	-0.18563	0.010091	0
chr12	73600001	73700000	367	470	73650000	-0.16092	0.021869	0
chr12	73750001	73850000	339	439	73800000	-0.17697	0.013353	0
chr12	73950001	74050000	374	478	7.40E+07	-0.15801	0.023826	0
chr12	74100001	74200000	384	489	74150000	-0.15277	0.027729	0
chr12	74400001	74500000	343	439	74450000	-0.16005	0.022438	0
chr12	74450001	74550000	338	440	74500000	-0.18452	0.010466	0
chr12	74500001	74600000	379	491	74550000	-0.17756	0.013105	0
chr12	74700001	74800000	393	502	74750000	-0.1572	0.0244	0
chr12	75050001	75150000	394	500	75100000	-0.14777	0.031932	0
chr12	76300001	76400000	600	625	76350000	0.137069	0.041728	0
chr12	77300001	77400000	463	592	77350000	-0.15862	0.023402	0
chr12	77900001	78000000	408	515	77950000	-0.14004	0.039467	0
chr12	78050001	78150000	410	528	78100000	-0.16895	0.017159	0
chr12	78200001	78300000	396	498	78250000	-0.13468	0.0455	0
chr12	78300001	78400000	429	540	78350000	-0.13602	0.04393	0
chr12	78600001	78700000	388	499	78650000	-0.16702	0.018203	0
chr12	78750001	78850000	446	576	78800000	-0.17306	0.015106	0
chr12	78950001	79050000	417	536	7.90E+07	-0.16622	0.01865	0
chr12	79300001	79400000	462	594	79350000	-0.16661	0.018434	0
chr12	79500001	79600000	431	554	79550000	-0.16624	0.018643	0
chr12	80000001	80100000	566	583	80050000	0.153269	0.026472	0
chr12	80400001	80500000	449	571	80450000	-0.15081	0.029313	0
chr12	80750001	80850000	376	482	80800000	-0.16234	0.020964	0
chr12	80800001	80900000	355	453	80850000	-0.15573	0.025462	0
chr12	81800001	81900000	389	494	81850000	-0.14878	0.031043	0
chr12	81850001	81950000	387	494	81900000	-0.15621	0.025106	0
chr12	82000001	82100000	369	478	82050000	-0.17743	0.013162	0
chr12	82800001	82900000	419	530	82850000	-0.14308	0.036347	0
chr12	82900001	83000000	416	524	82950000	-0.13702	0.042782	0
chr12	82950001	83050000	388	502	8.30E+07	-0.17567	0.013918	0
chr12	83100001	83200000	404	507	83150000	-0.13167	0.04921	0
chr12	83350001	83450000	414	522	83400000	-0.13846	0.041179	0
chr12	83500001	83600000	422	541	83550000	-0.16242	0.020911	0
chr12	83550001	83650000	384	487	83600000	-0.14685	0.032758	0
chr12	83650001	83750000	357	459	83700000	-0.16661	0.018434	0
chr12	83700001	83800000	390	501	83750000	-0.16537	0.019137	0
chr12	83750001	83850000	375	471	83800000	-0.13287	0.047698	0

chr12	84200001	84300000	380	479	84250000	-0.13806	0.041612	0
chr12	84550001	84650000	389	492	84600000	-0.14293	0.0365	0
chr12	84800001	84900000	388	505	84850000	-0.18426	0.010553	0
chr12	85450001	85550000	430	560	85500000	-0.18513	0.010258	0
chr12	85500001	85600000	406	523	85550000	-0.16937	0.01694	0
chr12	85700001	85800000	434	552	85750000	-0.15101	0.029149	0
chr12	85750001	85850000	456	579	85800000	-0.14857	0.031228	0
chr12	85800001	85900000	443	557	85850000	-0.13441	0.045829	0
chr12	86350001	86450000	447	562	86400000	-0.13433	0.045919	0
chr12	86700001	86800000	407	518	86750000	-0.15196	0.028373	0
chr12	87200001	87300000	413	529	87250000	-0.16116	0.02171	0
chr12	88200001	88300000	528	681	88250000	-0.17115	0.016031	0
chr12	88250001	88350000	446	569	88300000	-0.15542	0.025689	0
chr12	88450001	88550000	555	574	88500000	0.1474	0.031348	0
chr12	88500001	88600000	544	556	88550000	0.164485	0.018909	0
chr12	89150001	89250000	455	587	89200000	-0.17153	0.015844	0
chr12	89250001	89350000	524	669	89300000	-0.15648	0.024916	0
chr12	89300001	89400000	518	671	89350000	-0.1774	0.013174	0
chr12	90650001	90750000	467	586	90700000	-0.13152	0.049404	0
chr12	90950001	91050000	416	539	9.10E+07	-0.17774	0.013032	0
chr12	91050001	91150000	417	532	91100000	-0.15542	0.025694	0
chr12	91100001	91200000	405	516	91150000	-0.15349	0.027162	0
chr12	92650001	92750000	472	610	92700000	-0.17406	0.014641	0
chr12	93650001	93750000	460	580	93700000	-0.13846	0.041179	0
chr12	93800001	93900000	593	609	93850000	0.157553	0.023328	0
chr12	94300001	94400000	592	615	94350000	0.140974	0.037517	0
chr12	95350001	95450000	567	583	95400000	0.155816	0.024563	0
chr12	95900001	96000000	483	627	95950000	-0.18048	0.011935	0
chr12	95950001	96050000	551	568	9.60E+07	0.152124	0.027369	0
chr12	96250001	96350000	565	580	96300000	0.158161	0.022908	0
chr12	96400001	96500000	593	616	96450000	0.141065	0.037423	0
chr12	96700001	96800000	583	600	96750000	0.154496	0.025537	0
chr12	96800001	96900000	575	601	96850000	0.13216	0.047558	0
chr12	97100001	97200000	549	565	97150000	0.154518	0.02552	0
chr12	97150001	97250000	561	581	97200000	0.145426	0.033147	0
chr12	98250001	98350000	441	555	98300000	-0.13575	0.044246	0
chr12	98350001	98450000	493	633	98400000	-0.16465	0.019556	0
chr12	98450001	98550000	507	640	98500000	-0.14012	0.039379	0
chr12	98500001	98600000	486	613	98550000	-0.13897	0.040619	0
chr12	99550001	99650000	428	540	99600000	-0.13939	0.040167	0
chr12	99700001	99800000	443	567	99750000	-0.16008	0.022419	0
chr12	1E+08	1E+08	513	530	1E+08	0.14893	0.030011	0
chr12	1.01E+08	1.01E+08	519	527	1.01E+08	0.173895	0.014067	0
chr12	1.01E+08	1.01E+08	520	664	1.01E+08	-0.15671	0.024748	0
chr12	1.02E+08	1.02E+08	540	559	1.02E+08	0.146074	0.032547	0
chr12	1.02E+08	1.02E+08	497	506	1.02E+08	0.170072	0.015887	0
chr12	1.02E+08	1.02E+08	419	544	1.02E+08	-0.18069	0.011853	0

chr12	1.02E+08	1.02E+08	583	596	1.02E+08	0.164147	0.019107	0
chr12	1.03E+08	1.03E+08	476	610	1.03E+08	-0.16188	0.021249	0
chr12	1.03E+08	1.03E+08	426	545	1.03E+08	-0.15944	0.022846	0
chr12	1.03E+08	1.03E+08	488	620	1.03E+08	-0.14942	0.030485	0
chr12	1.04E+08	1.04E+08	658	665	1.04E+08	0.180696	0.011271	0
chr12	1.05E+08	1.05E+08	628	656	1.05E+08	0.133032	0.046478	0
chr12	1.06E+08	1.06E+08	527	669	1.06E+08	-0.14824	0.031514	0
chr12	1.06E+08	1.07E+08	693	699	1.07E+08	0.183526	0.010259	0
chr12	1.07E+08	1.07E+08	630	653	1.07E+08	0.144232	0.034275	0
chr12	1.07E+08	1.07E+08	623	651	1.07E+08	0.132538	0.047088	0
chr12	1.07E+08	1.07E+08	626	654	1.07E+08	0.132835	0.04672	0
chr12	1.08E+08	1.08E+08	536	681	1.08E+08	-0.14946	0.030455	0
chr12	1.08E+08	1.08E+08	535	555	1.08E+08	0.143014	0.035459	0
chr12	1.09E+08	1.09E+08	602	756	1.09E+08	-0.13266	0.047963	0
chr12	1.09E+08	1.09E+08	706	719	1.09E+08	0.169639	0.016105	0
chr12	1.09E+08	1.09E+08	725	744	1.09E+08	0.158641	0.022581	0
chr12	1.1E+08	1.1E+08	750	775	1.1E+08	0.148657	0.030245	0
chr12	1.1E+08	1.1E+08	712	730	1.1E+08	0.159944	0.021715	0
chr12	1.1E+08	1.1E+08	690	699	1.1E+08	0.177267	0.012614	0
chr12	1.11E+08	1.11E+08	601	628	1.11E+08	0.132563	0.047055	0
chr12	1.11E+08	1.11E+08	612	636	1.11E+08	0.140468	0.038042	0
chr12	1.11E+08	1.11E+08	637	644	1.11E+08	0.180196	0.011459	0
chr12	1.11E+08	1.11E+08	589	596	1.11E+08	0.178918	0.011951	0
chr12	1.11E+08	1.11E+08	521	541	1.11E+08	0.141618	0.036857	0
chr12	1.11E+08	1.11E+08	586	591	1.11E+08	0.183706	0.010198	0
chr12	1.11E+08	1.12E+08	695	708	1.11E+08	0.169227	0.016316	0
chr12	1.12E+08	1.12E+08	612	623	1.12E+08	0.170263	0.015792	0
chr12	1.12E+08	1.12E+08	610	629	1.12E+08	0.151712	0.027699	0
chr12	1.12E+08	1.12E+08	540	550	1.12E+08	0.169491	0.016181	0
chr12	1.12E+08	1.13E+08	606	630	1.12E+08	0.139929	0.038608	0
chr12	1.13E+08	1.13E+08	593	599	1.13E+08	0.181439	0.010998	0
chr12	1.13E+08	1.13E+08	636	648	1.13E+08	0.168996	0.016435	0
chr12	1.13E+08	1.13E+08	576	598	1.13E+08	0.141886	0.036585	0
chr12	1.13E+08	1.13E+08	657	687	1.13E+08	0.131546	0.048331	0
chr12	1.15E+08	1.15E+08	635	646	1.15E+08	0.171185	0.015337	0
chr12	1.15E+08	1.15E+08	575	586	1.15E+08	0.168624	0.016627	0
chr12	1.16E+08	1.16E+08	603	629	1.16E+08	0.135061	0.044039	0
chr12	1.16E+08	1.16E+08	587	607	1.16E+08	0.147627	0.031146	0
chr12	1.17E+08	1.17E+08	600	625	1.17E+08	0.137069	0.041728	0
chr12	1.17E+08	1.18E+08	649	674	1.18E+08	0.141433	0.037046	0
chr12	1.18E+08	1.18E+08	654	678	1.18E+08	0.143968	0.034529	0
chr12	1.18E+08	1.18E+08	560	577	1.18E+08	0.152819	0.026822	0
chr12	1.19E+08	1.19E+08	543	561	1.19E+08	0.148914	0.030023	0
chr12	1.19E+08	1.19E+08	513	527	1.19E+08	0.157119	0.023631	0
chr12	1.2E+08	1.2E+08	542	549	1.20E+08	0.17745	0.012539	0
chr12	1.2E+08	1.21E+08	595	613	1.2E+08	0.152966	0.026707	0
chr12	1.21E+08	1.21E+08	694	701	1.21E+08	0.181484	0.010981	0

chr12	1.21E+08	1.21E+08	628	650	1.21E+08	0.146288	0.032351	0
chr12	1.21E+08	1.21E+08	590	606	1.21E+08	0.15736	0.023462	0
chr12	1.21E+08	1.21E+08	562	571	1.21E+08	0.173042	0.014456	0
chr12	1.21E+08	1.21E+08	591	609	1.21E+08	0.152679	0.026931	0
chr12	1.21E+08	1.22E+08	599	612	1.22E+08	0.164987	0.018619	0
chr12	1.22E+08	1.22E+08	608	634	1.22E+08	0.135552	0.043465	0
chr12	1.22E+08	1.22E+08	638	644	1.22E+08	0.182459	0.010631	0
chr12	1.22E+08	1.23E+08	626	638	1.22E+08	0.168569	0.016656	0
chr12	1.23E+08	1.23E+08	569	577	1.23E+08	0.17582	0.01322	0
chr12	1.23E+08	1.23E+08	568	588	1.23E+08	0.146038	0.03258	0
chr12	1.23E+08	1.24E+08	754	766	1.23E+08	0.173183	0.014392	0
chr12	1.23E+08	1.24E+08	804	827	1.24E+08	0.155271	0.024961	0
chr12	1.24E+08	1.24E+08	789	820	1.24E+08	0.140364	0.038151	0
chr12	1.24E+08	1.24E+08	593	605	1.24E+08	0.16706	0.01746	0
chr12	1.24E+08	1.24E+08	605	631	1.24E+08	0.135258	0.043807	0
chr12	1.25E+08	1.25E+08	823	844	1.25E+08	0.159612	0.021932	0
chr12	1.25E+08	1.25E+08	843	879	1.25E+08	0.135633	0.043371	0
chr12	1.25E+08	1.25E+08	750	780	1.25E+08	0.13938	0.039193	0
chr12	1.26E+08	1.26E+08	767	793	1.26E+08	0.147869	0.030933	0
chr12	1.26E+08	1.26E+08	530	669	1.26E+08	-0.14005	0.039456	0
chr12	1.26E+08	1.26E+08	491	500	1.26E+08	0.169758	0.016045	0
chr12	1.26E+08	1.26E+08	448	576	1.26E+08	-0.16661	0.018434	0
chr12	1.27E+08	1.27E+08	450	565	1.27E+08	-0.13236	0.048334	0
chr12	1.27E+08	1.27E+08	446	567	1.27E+08	-0.15034	0.029706	0
chr12	1.27E+08	1.27E+08	452	572	1.27E+08	-0.14373	0.035706	0
chr12	1.28E+08	1.28E+08	407	512	1.28E+08	-0.13515	0.044943	0
chr12	1.28E+08	1.29E+08	438	567	1.29E+08	-0.17645	0.013575	0
chr12	1.29E+08	1.29E+08	408	531	1.29E+08	-0.18418	0.010582	0
chr12	1.29E+08	1.29E+08	515	538	1.29E+08	0.132929	0.046604	0
chr12	1.29E+08	1.29E+08	537	555	1.29E+08	0.148397	0.03047	0
chr12	1.29E+08	1.29E+08	436	555	1.29E+08	-0.1522	0.028182	0
chr12	1.3E+08	1.3E+08	488	635	1.3E+08	-0.18391	0.010675	0
chr12	1.3E+08	1.3E+08	641	666	1.3E+08	0.140765	0.037733	0
chr12	1.31E+08	1.31E+08	731	757	1.31E+08	0.145541	0.033039	0
chr12	1.31E+08	1.31E+08	700	723	1.31E+08	0.149322	0.029675	0
chr12	1.31E+08	1.31E+08	548	571	1.31E+08	0.136648	0.042204	0
chr12	1.32E+08	1.32E+08	704	730	1.32E+08	0.143642	0.034845	0
chr12	1.32E+08	1.32E+08	680	696	1.32E+08	0.16241	0.02015	0
chr12	1.32E+08	1.32E+08	446	466	1.32E+08	0.132677	0.046915	0
chr12	1.32E+08	1.32E+08	674	685	1.32E+08	0.172608	0.014659	0
chr12	1.33E+08	1.33E+08	706	730	1.33E+08	0.147735	0.031051	0
chr12	1.33E+08	1.33E+08	742	774	1.33E+08	0.135049	0.044053	0
chr12	1.33E+08	1.33E+08	784	810	1.33E+08	0.148895	0.03004	0
chr12	1.33E+08	1.33E+08	811	827	1.33E+08	0.167778	0.017074	0
chr12	1.33E+08	1.33E+08	752	763	1.33E+08	0.175013	0.01357	0
chr12	1.33E+08	1.33E+08	657	665	1.33E+08	0.178502	0.012115	0
chr12	1.33E+08	1.34E+08	509	526	1.34E+08	0.148566	0.030324	0

chr12	1.34E+08	1.34E+08	596	616	1.34E+08	0.148345	0.030516	0
chr13	18950001	19050000	5	5	1.90E+07	0.195963	0.006694	0
chr13	19100001	19200000	11	17	19150000	-0.43207	5.86E-08	0
chr13	19150001	19250000	23	32	19200000	-0.28048	0.000244	0
chr13	19250001	19350000	58	76	19300000	-0.19398	0.007627	0
chr13	21350001	21450000	670	668	21400000	0.200276	0.005743	0
chr13	21400001	21500000	614	598	21450000	0.234056	0.001579	0
chr13	21450001	21550000	526	519	21500000	0.215291	0.003301	0
chr13	23000001	23100000	433	586	23050000	-0.24057	0.001351	0
chr13	23200001	23300000	407	567	23250000	-0.28236	0.000224	0
chr13	26600001	26700000	486	487	26650000	0.192998	0.007426	0
chr13	26900001	27000000	503	502	26950000	0.198834	0.006047	0
chr13	27750001	27850000	624	617	27800000	0.212239	0.003704	0
chr13	27800001	27900000	665	624	27850000	0.287771	0.000145	0
chr13	27850001	27950000	680	672	27900000	0.213037	0.003594	0
chr13	30850001	30950000	671	674	30900000	0.189527	0.008372	0
chr13	33750001	33850000	627	625	33800000	0.200572	0.005682	0
chr13	34150001	34250000	644	630	34200000	0.227672	0.002041	0
chr13	34650001	34750000	524	708	34700000	-0.23822	0.001484	0
chr13	34700001	34800000	491	653	34750000	-0.2154	0.003568	0
chr13	35050001	35150000	381	504	35100000	-0.20767	0.004726	0
chr13	35300001	35400000	426	557	35350000	-0.19086	0.008477	0
chr13	35500001	35600000	394	519	35550000	-0.20158	0.005867	0
chr13	35850001	35950000	367	515	35900000	-0.29283	0.000138	0
chr13	35900001	36000000	372	496	35950000	-0.21907	0.003112	0
chr13	36050001	36150000	438	580	36100000	-0.20916	0.00448	0
chr13	36100001	36200000	434	601	36150000	-0.27371	0.000331	0
chr13	36150001	36250000	446	587	36200000	-0.20035	0.006123	0
chr13	36800001	36900000	486	636	36850000	-0.19211	0.008128	0
chr13	37700001	37800000	418	569	37750000	-0.24896	0.000959	0
chr13	38650001	38750000	365	499	38700000	-0.25518	0.00074	0
chr13	40550001	40650000	477	626	40600000	-0.19621	0.007068	0
chr13	41300001	41400000	489	457	41350000	0.293603	0.000109	0
chr13	41350001	41450000	409	408	41400000	0.199495	0.005906	0
chr13	41550001	41650000	609	608	41600000	0.198334	0.006155	0
chr13	42950001	43050000	432	602	4.30E+07	-0.28277	0.00022	0
chr13	43000001	43100000	369	504	43050000	-0.25384	0.000783	0
chr13	46650001	46750000	490	644	46700000	-0.19832	0.006573	0
chr13	46950001	47050000	197	258	4.70E+07	-0.19321	0.00783	0
chr13	49550001	49650000	607	596	49600000	0.222347	0.002516	0
chr13	49600001	49700000	643	602	49650000	0.291018	0.000124	0
chr13	50550001	50650000	561	554	50600000	0.214078	0.003456	0
chr13	50600001	50700000	597	577	50650000	0.245123	0.000999	0
chr13	52800001	52900000	55	96	52850000	-0.60764	1.48E-13	0
chr13	53100001	53200000	131	116	53150000	0.371405	1.58E-06	0
chr13	53150001	53250000	362	350	53200000	0.244598	0.001021	0
chr13	53650001	53750000	461	603	53700000	-0.19143	0.008317	0

chr13	53900001	54000000	428	606	53950000	-0.30574	7.43E-05	0
chr13	54200001	54300000	448	584	54250000	-0.18651	0.009802	0
chr13	54500001	54600000	382	508	54550000	-0.21529	0.003581	0
chr13	54550001	54650000	357	470	54600000	-0.20077	0.006034	0
chr13	54750001	54850000	386	523	54800000	-0.24225	0.001263	0
chr13	54800001	54900000	362	509	54850000	-0.29571	0.00012	0
chr13	55000001	55100000	373	488	55050000	-0.19174	0.008229	0
chr13	55350001	55450000	359	493	55400000	-0.26164	0.000562	0
chr13	55400001	55500000	360	495	55450000	-0.26347	0.000519	0
chr13	55450001	55550000	365	480	55500000	-0.19917	0.00638	0
chr13	55500001	55600000	378	495	55550000	-0.19308	0.007865	0
chr13	55750001	55850000	372	495	55800000	-0.21616	0.003468	0
chr13	55800001	55900000	432	576	55850000	-0.21907	0.003112	0
chr13	56000001	56100000	611	804	56050000	-0.20006	0.006186	0
chr13	56250001	56350000	602	796	56300000	-0.20704	0.004834	0
chr13	56300001	56400000	587	773	56350000	-0.20114	0.005956	0
chr13	56550001	56650000	560	738	56600000	-0.20223	0.005733	0
chr13	56600001	56700000	517	685	56650000	-0.20998	0.004349	0
chr13	56750001	56850000	610	808	56800000	-0.20958	0.004412	0
chr13	56800001	56900000	623	821	56850000	-0.20219	0.005742	0
chr13	56850001	56950000	614	805	56900000	-0.19479	0.007421	0
chr13	56900001	57000000	542	773	56950000	-0.31621	4.43E-05	0
chr13	56950001	57050000	549	743	5.70E+07	-0.24059	0.00135	0
chr13	57200001	57300000	571	756	57250000	-0.20893	0.004516	0
chr13	57600001	57700000	530	704	57650000	-0.21362	0.003809	0
chr13	57700001	57800000	161	222	57750000	-0.26754	0.000435	0
chr13	57750001	57850000	327	468	57800000	-0.32125	3.43E-05	0
chr13	58200001	58300000	602	785	58250000	-0.18697	0.009654	0
chr13	58750001	58850000	593	778	58800000	-0.19578	0.007174	0
chr13	58800001	58900000	598	817	58850000	-0.25423	0.00077	0
chr13	59300001	59400000	557	784	59350000	-0.29721	0.000112	0
chr13	59350001	59450000	595	785	59400000	-0.20384	0.005417	0
chr13	60800001	60900000	598	833	60850000	-0.28221	0.000226	0
chr13	61250001	61350000	626	839	61300000	-0.22655	0.002345	0
chr13	61850001	61950000	576	756	61900000	-0.19635	0.007033	0
chr13	62300001	62400000	574	819	62350000	-0.31685	4.29E-05	0
chr13	62350001	62450000	587	776	62400000	-0.20673	0.004887	0
chr13	62800001	62900000	617	822	62850000	-0.2179	0.003251	0
chr13	63100001	63200000	611	814	63150000	-0.21789	0.003252	0
chr13	63350001	63450000	670	891	63400000	-0.2153	0.00358	0
chr13	63400001	63500000	630	891	63450000	-0.30411	8.04E-05	0
chr13	63450001	63550000	550	732	63500000	-0.21645	0.003432	0
chr13	63750001	63850000	562	811	63800000	-0.33317	1.86E-05	0
chr13	63800001	63900000	656	883	63850000	-0.23275	0.001843	0
chr13	64200001	64300000	577	791	64250000	-0.25914	0.000625	0
chr13	64250001	64350000	375	511	64300000	-0.25047	0.000901	0
chr13	65000001	65100000	654	857	65050000	-0.19404	0.007612	0

chr13	65800001	65900000	651	888	65850000	-0.25194	0.000848	0
chr13	66100001	66200000	571	809	66150000	-0.30669	7.09E-05	0
chr13	66150001	66250000	581	792	66200000	-0.251	0.000882	0
chr13	67700001	67800000	699	937	67750000	-0.22679	0.002323	0
chr13	67850001	67950000	647	871	67900000	-0.23294	0.001829	0
chr13	68000001	68100000	605	838	68050000	-0.27405	0.000326	0
chr13	68050001	68150000	614	840	68100000	-0.25619	0.000709	0
chr13	68750001	68850000	670	890	68800000	-0.21368	0.0038	0
chr13	69200001	69300000	671	879	69250000	-0.19359	0.007731	0
chr13	69250001	69350000	652	857	69300000	-0.19846	0.00654	0
chr13	69300001	69400000	632	827	69350000	-0.192	0.008158	0
chr13	69850001	69950000	692	915	69900000	-0.20704	0.004835	0
chr13	70550001	70650000	644	853	70600000	-0.20952	0.004421	0
chr13	72450001	72550000	643	882	72500000	-0.26	0.000603	0
chr13	73250001	73350000	962	928	73300000	0.247875	0.000889	0
chr13	74100001	74200000	751	991	74150000	-0.20411	0.005366	0
chr13	75100001	75200000	630	833	75150000	-0.207	0.004841	0
chr13	75150001	75250000	654	869	75200000	-0.2141	0.003742	0
chr13	75200001	75300000	633	842	75250000	-0.21565	0.003534	0
chr13	76850001	76950000	646	858	76900000	-0.21348	0.003828	0
chr13	77000001	77100000	706	933	77050000	-0.20625	0.004973	0
chr13	78750001	78850000	670	885	78800000	-0.20555	0.005098	0
chr13	80650001	80750000	610	802	80700000	-0.19883	0.006456	0
chr13	80700001	80800000	559	732	80750000	-0.19303	0.007878	0
chr13	80750001	80850000	546	728	80800000	-0.21907	0.003112	0
chr13	80800001	80900000	576	763	80850000	-0.20965	0.004401	0
chr13	81100001	81200000	608	808	81150000	-0.21432	0.003712	0
chr13	81150001	81250000	613	806	81200000	-0.19893	0.006434	0
chr13	81400001	81500000	565	752	81450000	-0.21652	0.003423	0
chr13	81450001	81550000	571	748	81500000	-0.19358	0.007731	0
chr13	81600001	81700000	556	740	81650000	-0.21648	0.003428	0
chr13	81650001	81750000	555	742	81700000	-0.22297	0.002688	0
chr13	82250001	82350000	548	717	82300000	-0.19183	0.008204	0
chr13	82350001	82450000	499	655	82400000	-0.19649	0.007	0
chr13	82600001	82700000	494	652	82650000	-0.2044	0.005311	0
chr13	82750001	82850000	548	748	82800000	-0.2529	0.000814	0
chr13	82800001	82900000	507	735	82850000	-0.3398	1.31E-05	0
chr13	82850001	82950000	555	772	82900000	-0.28015	0.000248	0
chr13	83150001	83250000	538	731	83200000	-0.2463	0.00107	0
chr13	83450001	83550000	558	763	83500000	-0.25545	0.000731	0
chr13	83600001	83700000	583	808	83650000	-0.2749	0.000314	0
chr13	83650001	83750000	548	744	83700000	-0.24516	0.001121	0
chr13	84200001	84300000	602	796	84250000	-0.20704	0.004834	0
chr13	84450001	84550000	506	686	84500000	-0.24311	0.001219	0
chr13	84750001	84850000	580	785	84800000	-0.24068	0.001345	0
chr13	84900001	85000000	585	778	84950000	-0.21537	0.003571	0
chr13	84950001	85050000	555	791	8.50E+07	-0.31523	4.65E-05	0

chr13	85000001	85100000	574	791	85050000	-0.26666	0.000452	0
chr13	85100001	85200000	611	819	85150000	-0.22673	0.002328	0
chr13	85300001	85400000	602	834	85350000	-0.27432	0.000322	0
chr13	85350001	85450000	598	875	85400000	-0.35317	6.38E-06	0
chr13	85400001	85500000	610	834	85450000	-0.25528	0.000737	0
chr13	85950001	86050000	676	888	8.60E+07	-0.19757	0.006744	0
chr13	86000001	86100000	663	875	86050000	-0.20431	0.005327	0
chr13	86200001	86300000	700	930	86250000	-0.21391	0.003768	0
chr13	86550001	86650000	562	766	86600000	-0.25081	0.000888	0
chr13	86700001	86800000	351	472	86750000	-0.23135	0.001947	0
chr13	86950001	87050000	504	691	8.70E+07	-0.2593	0.000621	0
chr13	87000001	87100000	520	737	87050000	-0.30719	6.92E-05	0
chr13	88100001	88200000	600	782	88150000	-0.18624	0.009888	0
chr13	88200001	88300000	584	767	88250000	-0.1973	0.006809	0
chr13	88350001	88450000	578	820	88400000	-0.30859	6.46E-05	0
chr13	88400001	88500000	577	847	88450000	-0.35783	4.94E-06	0
chr13	88450001	88550000	613	810	88500000	-0.20607	0.005004	0
chr13	88750001	88850000	562	786	88800000	-0.288	0.000173	0
chr13	88800001	88900000	569	810	88850000	-0.31353	5.06E-05	0
chr13	88850001	88950000	570	767	88900000	-0.2323	0.001876	0
chr13	89000001	89100000	587	769	89050000	-0.19366	0.007712	0
chr13	89050001	89150000	588	793	89100000	-0.23554	0.001651	0
chr13	89100001	89200000	565	778	89150000	-0.26556	0.000474	0
chr13	89250001	89350000	573	813	89300000	-0.30876	6.41E-05	0
chr13	89800001	89900000	607	795	89850000	-0.1933	0.007808	0
chr13	90150001	90250000	616	815	90200000	-0.20791	0.004686	0
chr13	90400001	90500000	622	811	90450000	-0.18682	0.0097	0
chr13	90600001	90700000	640	837	90650000	-0.19119	0.008383	0
chr13	90750001	90850000	622	821	90800000	-0.2045	0.005291	0
chr13	91150001	91250000	673	903	91200000	-0.22816	0.002204	0
chr13	91200001	91300000	658	883	91250000	-0.22836	0.002186	0
chr13	91350001	91450000	630	852	91400000	-0.23954	0.001408	0
chr13	92100001	92200000	644	840	92150000	-0.18737	0.009527	0
chr13	92700001	92800000	528	696	92750000	-0.20259	0.005662	0
chr13	93850001	93950000	607	817	93900000	-0.23268	0.001848	0
chr13	93900001	94000000	590	812	93950000	-0.2648	0.00049	0
chr13	93950001	94050000	608	813	9.40E+07	-0.22322	0.002662	0
chr13	94000001	94100000	607	832	94050000	-0.25892	0.000631	0
chr13	94050001	94150000	588	768	94100000	-0.18933	0.008925	0
chr13	94150001	94250000	602	794	94200000	-0.20341	0.0055	0
chr13	94200001	94300000	581	765	94250000	-0.20096	0.005995	0
chr13	96400001	96500000	873	876	96450000	0.191014	0.007954	0
chr13	97650001	97750000	782	1029	97700000	-0.20004	0.006191	0
chr13	1.01E+08	1.01E+08	901	907	1.01E+08	0.186388	0.009317	0
chr13	1.03E+08	1.03E+08	670	884	1.03E+08	-0.20392	0.005401	0
chr13	1.04E+08	1.04E+08	698	914	1.04E+08	-0.193	0.007885	0
chr13	1.04E+08	1.04E+08	790	790	1.04E+08	0.195963	0.006694	0



chr13	1.05E+08	1.05E+08	549	736	1.05E+08	-0.22694	0.00231	0
chr13	1.05E+08	1.05E+08	588	771	1.05E+08	-0.19495	0.007379	0
chr13	1.05E+08	1.05E+08	593	786	1.05E+08	-0.21053	0.004262	0
chr13	1.05E+08	1.06E+08	584	784	1.05E+08	-0.22892	0.00214	0
chr13	1.06E+08	1.06E+08	600	790	1.06E+08	-0.20093	0.006002	0
chr13	1.06E+08	1.06E+08	644	841	1.06E+08	-0.18908	0.008998	0
chr13	1.06E+08	1.06E+08	592	796	1.06E+08	-0.23121	0.001958	0
chr13	1.06E+08	1.06E+08	601	843	1.06E+08	-0.2922	0.000142	0
chr13	1.06E+08	1.06E+08	610	807	1.06E+08	-0.2078	0.004705	0
chr13	1.06E+08	1.07E+08	541	736	1.07E+08	-0.24811	0.000993	0
chr13	1.07E+08	1.07E+08	563	760	1.07E+08	-0.2369	0.001564	0
chr13	1.07E+08	1.07E+08	718	943	1.07E+08	-0.19731	0.006805	0
chr13	1.08E+08	1.08E+08	645	853	1.08E+08	-0.20728	0.004792	0
chr13	1.08E+08	1.08E+08	649	857	1.08E+08	-0.20511	0.005178	0
chr13	1.11E+08	1.11E+08	1091	1060	1.11E+08	0.23755	0.001369	0
chr13	1.11E+08	1.11E+08	1016	1020	1.11E+08	0.190294	0.008154	0
chr13	1.12E+08	1.12E+08	37	53	1.12E+08	-0.3225	3.22E-05	0
chr13	1.14E+08	1.14E+08	1213	1214	1.14E+08	0.194774	0.006979	0
chr13	1.14E+08	1.14E+08	1212	1206	1.14E+08	0.203123	0.005183	0
chr13	1.14E+08	1.14E+08	1173	1111	1.14E+08	0.274307	0.000274	0
chr13	1.14E+08	1.14E+08	1092	1077	1.14E+08	0.215918	0.003223	0
chr13	1.14E+08	1.14E+08	897	874	1.14E+08	0.233438	0.001619	0
chr13	1.14E+08	1.14E+08	1016	959	1.14E+08	0.279261	0.000218	0
chr13	1.14E+08	1.14E+08	1137	1103	1.14E+08	0.239762	0.00125	0
chr13	1.14E+08	1.14E+08	1065	1064	1.14E+08	0.197318	0.006381	0
chr13	1.14E+08	1.14E+08	269	265	1.14E+08	0.217577	0.003025	0
chr13	1.14E+08	1.15E+08	861	856	1.14E+08	0.204365	0.004955	0
chr13	1.14E+08	1.15E+08	1181	1131	1.15E+08	0.258373	0.000564	0
chr13	1.15E+08	1.15E+08	1142	1087	1.15E+08	0.267174	0.000381	0
chr13	1.15E+08	1.15E+08	152	99	1.15E+08	0.814534	4.55E-23	0
chr13	1.15E+08	1.15E+08	680	661	1.15E+08	0.236848	0.001409	0
chr13	19200001	19300000	40	51	19250000	-0.15453	0.026356	0
chr13	19300001	19400000	60	77	19350000	-0.16393	0.019986	0
chr13	19850001	19950000	323	407	19900000	-0.13753	0.042205	0
chr13	19950001	20050000	99	128	2.00E+07	-0.17468	0.014358	0
chr13	20000001	20100000	103	106	20050000	0.154543	0.025502	0
chr13	20100001	20200000	308	388	20150000	-0.13716	0.04262	0
chr13	21150001	21250000	603	617	21200000	0.162851	0.019881	0
chr13	21300001	21400000	635	652	21350000	0.157848	0.023124	0
chr13	21650001	21750000	595	604	21700000	0.174304	0.013883	0
chr13	23150001	23250000	381	479	23200000	-0.13427	0.045992	0
chr13	23400001	23500000	348	446	23450000	-0.16199	0.021181	0
chr13	23750001	23850000	475	496	23800000	0.13355	0.045844	0
chr13	25450001	25550000	393	406	25500000	0.149013	0.029939	0
chr13	25850001	25950000	567	589	25900000	0.141044	0.037445	0
chr13	25900001	26000000	562	582	25950000	0.145514	0.033065	0
chr13	26350001	26450000	490	616	26400000	-0.13419	0.046095	0

chr13	26400001	26500000	485	622	26450000	-0.16297	0.020574	0
chr13	27500001	27600000	713	738	27550000	0.146244	0.032391	0
chr13	28250001	28350000	527	663	28300000	-0.13524	0.044836	0
chr13	28500001	28600000	576	590	28550000	0.161317	0.020831	0
chr13	28550001	28650000	536	553	28600000	0.150917	0.028344	0
chr13	29150001	29250000	543	695	29200000	-0.1601	0.022406	0
chr13	29500001	29600000	503	631	29550000	-0.13112	0.049911	0
chr13	29800001	29900000	495	637	29850000	-0.1679	0.01772	0
chr13	30000001	30100000	659	684	30050000	0.142245	0.036224	0
chr13	30650001	30750000	693	721	30700000	0.138819	0.039796	0
chr13	30700001	30800000	649	671	30750000	0.147869	0.030933	0
chr13	30750001	30850000	502	523	30800000	0.136839	0.041987	0
chr13	30800001	30900000	544	551	30850000	0.177517	0.012511	0
chr13	31700001	31800000	549	699	31750000	-0.15252	0.027921	0
chr13	31750001	31850000	491	623	31800000	-0.14755	0.032131	0
chr13	31850001	31950000	413	536	31900000	-0.18013	0.012071	0
chr13	31900001	32000000	464	587	31950000	-0.14327	0.036155	0
chr13	32450001	32550000	482	614	32500000	-0.15324	0.027353	0
chr13	32600001	32700000	513	655	32650000	-0.15657	0.024846	0
chr13	33150001	33250000	550	564	33200000	0.159699	0.021875	0
chr13	33700001	33800000	608	623	33750000	0.160802	0.021159	0
chr13	34200001	34300000	648	656	34250000	0.178261	0.012211	0
chr13	34550001	34650000	480	612	34600000	-0.15453	0.026356	0
chr13	34600001	34700000	527	676	34650000	-0.16326	0.020396	0
chr13	34800001	34900000	457	582	34850000	-0.15286	0.027652	0
chr13	35100001	35200000	453	586	35150000	-0.17543	0.014024	0
chr13	35150001	35250000	479	604	35200000	-0.13856	0.041065	0
chr13	35600001	35700000	323	412	35650000	-0.15515	0.025894	0
chr13	35650001	35750000	378	476	35700000	-0.13661	0.043246	0
chr13	35800001	35900000	399	505	35850000	-0.14393	0.035509	0
chr13	36300001	36400000	495	631	36350000	-0.15425	0.026574	0
chr13	36900001	37000000	528	549	36950000	0.139695	0.038857	0
chr13	37650001	37750000	468	593	37700000	-0.14556	0.033952	0
chr13	37750001	37850000	443	572	37800000	-0.17275	0.015256	0
chr13	38050001	38150000	431	556	38100000	-0.17143	0.015892	0
chr13	38100001	38200000	436	560	38150000	-0.16514	0.019275	0
chr13	38150001	38250000	499	626	38200000	-0.13116	0.049858	0
chr13	38600001	38700000	360	466	38650000	-0.17637	0.013611	0
chr13	39000001	39100000	426	535	39050000	-0.13272	0.047885	0
chr13	39050001	39150000	433	546	39100000	-0.13857	0.041052	0
chr13	39750001	39850000	461	587	39800000	-0.15263	0.027836	0
chr13	39800001	39900000	484	627	39850000	-0.1775	0.013133	0
chr13	40400001	40500000	520	543	40450000	0.133522	0.045878	0
chr13	41000001	41100000	546	693	41050000	-0.14799	0.031734	0
chr13	41500001	41600000	608	627	41550000	0.151569	0.027814	0
chr13	42100001	42200000	568	592	42150000	0.136257	0.042651	0
chr13	42200001	42300000	623	645	42250000	0.145896	0.032711	0

chr13	43350001	43450000	461	589	43400000	-0.15754	0.024157	0
chr13	43950001	44050000	521	677	4.40E+07	-0.18191	0.011395	0
chr13	44700001	44800000	725	755	44750000	0.137467	0.041282	0
chr13	44850001	44950000	708	738	44900000	0.136092	0.04284	0
chr13	45150001	45250000	504	655	45200000	-0.18211	0.011322	0
chr13	45850001	45950000	610	631	45900000	0.147132	0.031587	0
chr13	45900001	46000000	547	565	45950000	0.149253	0.029734	0
chr13	45950001	46050000	534	555	4.60E+07	0.140315	0.038202	0
chr13	46000001	46100000	579	605	46050000	0.132591	0.047021	0
chr13	48050001	48150000	504	633	48100000	-0.13282	0.047766	0
chr13	49650001	49750000	553	576	49700000	0.137174	0.041611	0
chr13	50100001	50200000	562	583	50150000	0.143037	0.035436	0
chr13	50450001	50550000	480	502	50500000	0.13131	0.048631	0
chr13	51100001	51200000	530	679	51150000	-0.16146	0.021522	0
chr13	51950001	52050000	632	654	5.20E+07	0.146597	0.03207	0
chr13	52000001	52100000	622	642	52050000	0.150304	0.028849	0
chr13	52150001	52250000	646	673	52200000	0.136891	0.041929	0
chr13	52200001	52300000	562	576	52250000	0.160464	0.021376	0
chr13	52300001	52400000	696	722	52350000	0.143052	0.035422	0
chr13	52550001	52650000	514	533	52600000	0.143596	0.03489	0
chr13	52850001	52950000	202	259	52900000	-0.16263	0.02078	0
chr13	53300001	53400000	568	584	53350000	0.155886	0.024512	0
chr13	53600001	53700000	479	603	53650000	-0.13617	0.043755	0
chr13	53750001	53850000	460	584	53800000	-0.14837	0.031399	0
chr13	53950001	54050000	436	550	5.40E+07	-0.13914	0.040432	0
chr13	54150001	54250000	378	478	54200000	-0.14266	0.036763	0
chr13	54850001	54950000	368	477	54900000	-0.17832	0.012792	0
chr13	55200001	55300000	374	475	55250000	-0.14893	0.030914	0
chr13	55550001	55650000	384	499	55600000	-0.18197	0.011373	0
chr13	55850001	55950000	585	762	55900000	-0.18539	0.01017	0
chr13	55950001	56050000	644	818	5.60E+07	-0.14908	0.030783	0
chr13	56200001	56300000	622	797	56250000	-0.1617	0.021365	0
chr13	56350001	56450000	641	824	56400000	-0.16636	0.018574	0
chr13	56400001	56500000	664	842	56450000	-0.14667	0.032921	0
chr13	56650001	56750000	553	707	56700000	-0.15847	0.023508	0
chr13	56700001	56800000	594	751	56750000	-0.14239	0.037039	0
chr13	57050001	57150000	602	763	57100000	-0.14596	0.033582	0
chr13	57100001	57200000	574	734	57150000	-0.15877	0.023303	0
chr13	57250001	57350000	573	743	57300000	-0.17886	0.012571	0
chr13	57400001	57500000	618	796	57450000	-0.1692	0.017029	0
chr13	57450001	57550000	615	773	57500000	-0.13392	0.046418	0
chr13	57500001	57600000	537	678	57550000	-0.1404	0.039086	0
chr13	57550001	57650000	513	662	57600000	-0.17191	0.015659	0
chr13	57650001	57750000	370	470	57700000	-0.14917	0.030701	0
chr13	58150001	58250000	620	778	58200000	-0.13154	0.049374	0
chr13	58300001	58400000	598	763	58350000	-0.15557	0.025576	0
chr13	58550001	58650000	611	781	58600000	-0.15819	0.023702	0

chr13	58650001	58750000	617	775	58700000	-0.13296	0.047588	0
chr13	58700001	58800000	577	745	58750000	-0.17271	0.015275	0
chr13	59150001	59250000	611	780	59200000	-0.15634	0.025015	0
chr13	59600001	59700000	587	763	59650000	-0.18236	0.01123	0
chr13	59800001	59900000	666	866	59850000	-0.18288	0.011041	0
chr13	59850001	59950000	661	858	59900000	-0.18036	0.011979	0
chr13	60150001	60250000	702	913	60200000	-0.18318	0.010934	0
chr13	60750001	60850000	629	809	60800000	-0.16712	0.01815	0
chr13	60850001	60950000	713	911	60900000	-0.15759	0.024123	0
chr13	61300001	61400000	608	787	61350000	-0.17633	0.013629	0
chr13	61350001	61450000	569	729	61400000	-0.16153	0.021477	0
chr13	61400001	61500000	590	757	61450000	-0.16362	0.020178	0
chr13	61550001	61650000	648	830	61600000	-0.16115	0.021716	0
chr13	61600001	61700000	615	790	61650000	-0.1653	0.019177	0
chr13	61800001	61900000	590	755	61850000	-0.1598	0.022605	0
chr13	62050001	62150000	605	766	62100000	-0.14445	0.035011	0
chr13	62850001	62950000	621	802	62900000	-0.17305	0.015114	0
chr13	62900001	63000000	666	837	62950000	-0.13374	0.046632	0
chr13	63050001	63150000	644	834	63100000	-0.17702	0.013332	0
chr13	63700001	63800000	596	763	63750000	-0.16041	0.022202	0
chr13	63900001	64000000	680	854	63950000	-0.13274	0.047866	0
chr13	64150001	64250000	678	876	64200000	-0.17368	0.014815	0
chr13	64300001	64400000	183	236	64350000	-0.17098	0.016117	0
chr13	64550001	64650000	660	836	64600000	-0.14507	0.034411	0
chr13	64700001	64800000	630	814	64750000	-0.17371	0.014801	0
chr13	65050001	65150000	659	842	65100000	-0.15758	0.024128	0
chr13	65400001	65500000	650	833	65450000	-0.16191	0.021231	0
chr13	65450001	65550000	667	851	65500000	-0.15551	0.025624	0
chr13	65850001	65950000	683	889	65900000	-0.18433	0.010529	0
chr13	65950001	66050000	572	727	6.60E+07	-0.14998	0.030013	0
chr13	66050001	66150000	641	806	66100000	-0.13449	0.045727	0
chr13	67150001	67250000	766	796	67200000	0.140539	0.037968	0
chr13	67250001	67350000	612	791	67300000	-0.17418	0.014584	0
chr13	67900001	68000000	643	819	67950000	-0.15308	0.027479	0
chr13	68350001	68450000	608	772	68400000	-0.14857	0.031228	0
chr13	68400001	68500000	539	684	68450000	-0.14775	0.031951	0
chr13	68700001	68800000	708	910	68750000	-0.16615	0.018689	0
chr13	68850001	68950000	679	852	68900000	-0.13148	0.04945	0
chr13	68900001	69000000	675	875	68950000	-0.17843	0.012746	0
chr13	69150001	69250000	662	840	69200000	-0.1476	0.032088	0
chr13	69350001	69450000	631	811	69400000	-0.1661	0.01872	0
chr13	69400001	69500000	602	774	69450000	-0.16661	0.018434	0
chr13	69900001	70000000	698	886	69950000	-0.14812	0.031623	0
chr13	70250001	70350000	645	832	70300000	-0.17132	0.015948	0
chr13	70500001	70600000	686	872	70550000	-0.15016	0.029862	0
chr13	70600001	70700000	639	820	70650000	-0.16384	0.020039	0
chr13	70650001	70750000	650	845	70700000	-0.18255	0.011161	0

chr13	71450001	71550000	656	834	71500000	-0.15039	0.029667	0
chr13	71600001	71700000	646	825	71650000	-0.1569	0.024613	0
chr13	71650001	71750000	625	805	71700000	-0.16917	0.017044	0
chr13	71700001	71800000	606	771	71750000	-0.15145	0.028788	0
chr13	71750001	71850000	632	809	71800000	-0.16025	0.022304	0
chr13	72000001	72100000	672	870	72050000	-0.17659	0.013516	0
chr13	72400001	72500000	700	892	72450000	-0.15373	0.026976	0
chr13	72500001	72600000	664	849	72550000	-0.15862	0.023404	0
chr13	72850001	72950000	713	898	72900000	-0.13685	0.042975	0
chr13	73300001	73400000	942	981	73350000	0.137437	0.041316	0
chr13	74600001	74700000	789	994	74650000	-0.13726	0.042513	0
chr13	75050001	75150000	621	799	75100000	-0.16764	0.017863	0
chr13	75250001	75350000	690	876	75300000	-0.14837	0.031399	0
chr13	76400001	76500000	825	1066	76450000	-0.17378	0.014771	0
chr13	76450001	76550000	762	975	76500000	-0.15965	0.022706	0
chr13	76600001	76700000	700	888	76650000	-0.14724	0.032405	0
chr13	76650001	76750000	740	938	76700000	-0.1461	0.03345	0
chr13	76800001	76900000	667	838	76850000	-0.1333	0.047172	0
chr13	76900001	77000000	642	810	76950000	-0.13939	0.040167	0
chr13	76950001	77050000	691	886	7.70E+07	-0.16266	0.020765	0
chr13	77100001	77200000	598	758	77150000	-0.14609	0.033459	0
chr13	77150001	77250000	648	833	77200000	-0.16636	0.018573	0
chr13	78550001	78650000	662	841	78600000	-0.14931	0.030581	0
chr13	78700001	78800000	654	851	78750000	-0.18391	0.010678	0
chr13	78850001	78950000	683	859	78900000	-0.13481	0.045349	0
chr13	78900001	79000000	688	876	78950000	-0.15256	0.027892	0
chr13	79050001	79150000	619	779	79100000	-0.13572	0.044276	0
chr13	79300001	79400000	703	885	79350000	-0.13619	0.043732	0
chr13	79650001	79750000	648	817	79700000	-0.13838	0.041263	0
chr13	79750001	79850000	679	861	79800000	-0.14664	0.032953	0
chr13	80600001	80700000	674	872	80650000	-0.17562	0.01394	0
chr13	80950001	81050000	643	808	8.10E+07	-0.13357	0.046838	0
chr13	82100001	82200000	558	722	82150000	-0.17577	0.013872	0
chr13	82300001	82400000	533	693	82350000	-0.18276	0.011086	0
chr13	82550001	82650000	557	715	82600000	-0.1643	0.019765	0
chr13	82900001	83000000	559	716	82950000	-0.16115	0.02172	0
chr13	83000001	83100000	549	695	83050000	-0.14424	0.035206	0
chr13	83100001	83200000	569	721	83150000	-0.14561	0.033908	0
chr13	83300001	83400000	599	755	83350000	-0.13796	0.041729	0
chr13	83350001	83450000	582	740	83400000	-0.15054	0.029537	0
chr13	84050001	84150000	611	791	84100000	-0.17654	0.013537	0
chr13	84150001	84250000	573	742	84200000	-0.17692	0.013375	0
chr13	84500001	84600000	538	694	84550000	-0.17137	0.015925	0
chr13	84700001	84800000	592	760	84750000	-0.16444	0.019684	0
chr13	84800001	84900000	604	773	84850000	-0.15996	0.0225	0
chr13	85150001	85250000	643	813	85200000	-0.14247	0.036952	0
chr13	85450001	85550000	646	829	85500000	-0.16387	0.020021	0

chr13	85600001	85700000	614	782	85650000	-0.15297	0.027569	0
chr13	85650001	85750000	611	767	85700000	-0.13209	0.048675	0
chr13	86050001	86150000	688	882	86100000	-0.16241	0.020921	0
chr13	86250001	86350000	689	875	86300000	-0.14882	0.03101	0
chr13	86400001	86500000	606	766	86450000	-0.14206	0.037366	0
chr13	86450001	86550000	600	768	86500000	-0.16018	0.022351	0
chr13	86500001	86600000	598	777	86550000	-0.18181	0.011434	0
chr13	86650001	86750000	599	755	86700000	-0.13796	0.041729	0
chr13	87150001	87250000	551	700	87200000	-0.14934	0.030557	0
chr13	87350001	87450000	610	771	87400000	-0.14196	0.037473	0
chr13	87550001	87650000	570	729	87600000	-0.15899	0.023148	0
chr13	87800001	87900000	565	719	87850000	-0.15178	0.028521	0
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chr13	88050001	88150000	560	720	88100000	-0.16661	0.018434	0
chr13	88150001	88250000	601	770	88200000	-0.16153	0.021475	0
chr13	88500001	88600000	599	772	88550000	-0.17008	0.016572	0
chr13	88550001	88650000	577	750	88600000	-0.18236	0.011231	0
chr13	88700001	88800000	601	767	88750000	-0.1559	0.025337	0
chr13	89200001	89300000	615	790	89250000	-0.1653	0.019177	0
chr13	89300001	89400000	602	772	89350000	-0.16287	0.020631	0
chr13	89350001	89450000	623	792	89400000	-0.15031	0.029737	0
chr13	89400001	89500000	583	748	89450000	-0.16358	0.0202	0
chr13	89450001	89550000	616	773	89500000	-0.13158	0.049328	0
chr13	89600001	89700000	614	774	89650000	-0.13813	0.041536	0
chr13	89650001	89750000	590	744	89700000	-0.13862	0.040994	0
chr13	89700001	89800000	556	701	89750000	-0.13837	0.041277	0
chr13	90100001	90200000	634	809	90150000	-0.15569	0.025488	0
chr13	90550001	90650000	646	813	90600000	-0.13576	0.044232	0
chr13	90700001	90800000	641	819	90750000	-0.15758	0.02413	0
chr13	90800001	90900000	607	777	90850000	-0.16026	0.022302	0
chr13	90850001	90950000	607	772	90900000	-0.15094	0.029206	0
chr13	91300001	91400000	606	768	91350000	-0.14583	0.033704	0
chr13	91400001	91500000	594	764	91450000	-0.16715	0.018133	0
chr13	92450001	92550000	541	689	92500000	-0.15291	0.027612	0
chr13	92750001	92850000	611	776	92800000	-0.14892	0.030918	0
chr13	93250001	93350000	485	501	93300000	0.149137	0.029833	0
chr13	93350001	93450000	516	658	93400000	-0.15475	0.02619	0
chr13	93650001	93750000	549	708	93700000	-0.17098	0.016117	0
chr13	94100001	94200000	617	779	94150000	-0.14039	0.039097	0
chr13	94350001	94450000	664	833	94400000	-0.13117	0.049845	0
chr13	94400001	94500000	647	832	94450000	-0.16685	0.018295	0
chr13	94450001	94550000	610	768	94500000	-0.13633	0.043565	0
chr13	94500001	94600000	603	778	94550000	-0.17165	0.015786	0
chr13	95550001	95650000	768	964	95600000	-0.13196	0.048835	0
chr13	97400001	97500000	718	933	97450000	-0.18193	0.011388	0
chr13	97450001	97550000	770	985	97500000	-0.1593	0.022938	0
chr13	97600001	97700000	817	1057	97650000	-0.1756	0.013945	0

chr13	98050001	98150000	828	1046	98100000	-0.14122	0.038233	0
chr13	98100001	98200000	792	1026	98150000	-0.1775	0.013133	0
chr13	98350001	98450000	651	828	98400000	-0.15101	0.029149	0
chr13	98600001	98700000	823	856	98650000	0.139245	0.039337	0
chr13	99800001	99900000	838	877	99850000	0.130336	0.049883	0
chr13	1E+08	1E+08	883	922	1E+08	0.13361	0.045772	0
chr13	1.02E+08	1.02E+08	658	842	1.02E+08	-0.15977	0.022625	0
chr13	1.02E+08	1.02E+08	884	924	1.02E+08	0.132117	0.047612	0
chr13	1.02E+08	1.02E+08	754	954	1.02E+08	-0.14346	0.035969	0
chr13	1.02E+08	1.03E+08	727	937	1.02E+08	-0.17013	0.016547	0
chr13	1.03E+08	1.03E+08	698	895	1.03E+08	-0.1627	0.02074	0
chr13	1.03E+08	1.03E+08	740	931	1.03E+08	-0.13529	0.044777	0
chr13	1.03E+08	1.04E+08	949	992	1.03E+08	0.132031	0.04772	0
chr13	1.04E+08	1.04E+08	699	892	1.04E+08	-0.15579	0.025418	0
chr13	1.04E+08	1.04E+08	700	899	1.04E+08	-0.165	0.019352	0
chr13	1.04E+08	1.04E+08	606	768	1.04E+08	-0.14583	0.033704	0
chr13	1.04E+08	1.04E+08	620	778	1.04E+08	-0.13154	0.049374	0
chr13	1.04E+08	1.04E+08	611	772	1.04E+08	-0.14147	0.037977	0
chr13	1.04E+08	1.05E+08	641	807	1.05E+08	-0.13628	0.043626	0
chr13	1.05E+08	1.05E+08	545	695	1.05E+08	-0.15479	0.02616	0
chr13	1.05E+08	1.05E+08	602	775	1.05E+08	-0.16847	0.017414	0
chr13	1.05E+08	1.05E+08	627	798	1.05E+08	-0.15196	0.028373	0
chr13	1.05E+08	1.06E+08	578	742	1.06E+08	-0.16439	0.019715	0
chr13	1.06E+08	1.06E+08	560	706	1.06E+08	-0.13828	0.041374	0
chr13	1.06E+08	1.06E+08	647	839	1.06E+08	-0.17894	0.01254	0
chr13	1.06E+08	1.06E+08	564	710	1.06E+08	-0.13616	0.043765	0
chr13	1.06E+08	1.07E+08	593	764	1.06E+08	-0.16958	0.016831	0
chr13	1.07E+08	1.07E+08	673	846	1.07E+08	-0.13409	0.046213	0
chr13	1.07E+08	1.07E+08	757	966	1.07E+08	-0.15577	0.025434	0
chr13	1.08E+08	1.08E+08	652	836	1.08E+08	-0.16267	0.020759	0
chr13	1.09E+08	1.09E+08	647	827	1.09E+08	-0.15816	0.023722	0
chr13	1.11E+08	1.11E+08	1155	1193	1.11E+08	0.149262	0.029726	0
chr13	1.11E+08	1.11E+08	1109	1142	1.11E+08	0.15366	0.026171	0
chr13	1.11E+08	1.11E+08	873	889	1.11E+08	0.169761	0.016044	0
chr13	1.12E+08	1.12E+08	933	957	1.12E+08	0.159321	0.022125	0
chr13	1.12E+08	1.12E+08	1025	1064	1.12E+08	0.142089	0.036381	0
chr13	1.12E+08	1.12E+08	545	563	1.12E+08	0.149084	0.029878	0
chr13	1.13E+08	1.13E+08	959	988	1.13E+08	0.152983	0.026694	0
chr13	1.13E+08	1.13E+08	965	988	1.13E+08	0.161981	0.020415	0
chr13	1.14E+08	1.14E+08	1157	1193	1.14E+08	0.151758	0.027662	0
chr13	1.14E+08	1.14E+08	1139	1150	1.14E+08	0.182097	0.01076	0
chr13	1.14E+08	1.14E+08	1149	1187	1.14E+08	0.149022	0.029931	0
chr13	1.14E+08	1.14E+08	970	1002	1.14E+08	0.149137	0.029833	0
chr13	1.14E+08	1.14E+08	1042	1081	1.14E+08	0.142952	0.035521	0
chr13	1.15E+08	1.15E+08	953	993	1.15E+08	0.136646	0.042207	0
chr13	1.15E+08	1.15E+08	985	1001	1.15E+08	0.172717	0.014608	0
chr13	1.15E+08	1.15E+08	538	549	1.15E+08	0.166763	0.017622	0

chr14	19100001	19200000	29	42	19150000	-0.33837	1.42E-05	0
chr14	19150001	19250000	4	9	19200000	-0.97396	1.25E-28	0
chr14	19200001	19300000	23	32	19250000	-0.28048	0.000244	0
chr14	19350001	19450000	16	27	19400000	-0.55892	7.19E-12	0
chr14	19400001	19500000	30	51	19450000	-0.56957	3.13E-12	0
chr14	19450001	19550000	20	28	19500000	-0.28946	0.000161	0
chr14	19500001	19600000	7	3	19550000	1.418355	2.22E-54	0
chr14	19550001	19650000	8	7	19600000	0.388608	5.52E-07	0
chr14	19600001	19700000	10	9	19650000	0.347966	6.17E-06	0
chr14	19700001	19800000	33	56	19750000	-0.567	3.84E-12	0
chr14	19750001	19850000	39	65	19800000	-0.541	2.84E-11	0
chr14	19800001	19900000	11	17	19850000	-0.43207	5.86E-08	0
chr14	19900001	20000000	0	1	19950000	#NAME?	3.67E-137	0
chr14	19950001	20050000	5	5	2.00E+07	0.195963	0.006694	0
chr14	20000001	20100000	6	8	20050000	-0.21907	0.003112	0
chr14	20050001	20150000	6	8	20100000	-0.21907	0.003112	0
chr14	20400001	20500000	322	452	20450000	-0.2933	0.000135	0
chr14	20450001	20550000	392	562	20500000	-0.32375	3.02E-05	0
chr14	20850001	20950000	660	664	20900000	0.187246	0.00905	0
chr14	21100001	21200000	629	628	21150000	0.198258	0.006172	0
chr14	21650001	21750000	590	568	21700000	0.250787	0.000785	0
chr14	21900001	22000000	617	604	21950000	0.226685	0.002122	0
chr14	23350001	23450000	652	633	23400000	0.23863	0.00131	0
chr14	23400001	23500000	652	611	23450000	0.289663	0.000132	0
chr14	23450001	23550000	753	704	23500000	0.293037	0.000112	0
chr14	23500001	23600000	776	753	23550000	0.23937	0.00127	0
chr14	23550001	23650000	697	693	23600000	0.204266	0.004973	0
chr14	24400001	24500000	208	203	24450000	0.231067	0.001782	0
chr14	24450001	24550000	428	430	24500000	0.189237	0.008455	0
chr14	24500001	24600000	737	727	24550000	0.215672	0.003253	0
chr14	24550001	24650000	780	715	24600000	0.321494	2.63E-05	0
chr14	24600001	24700000	716	641	24650000	0.355598	3.99E-06	0
chr14	24650001	24750000	738	703	24700000	0.266059	0.0004	0
chr14	25600001	25700000	356	466	25650000	-0.19249	0.008024	0
chr14	25650001	25750000	344	471	25700000	-0.25736	0.000675	0
chr14	25700001	25800000	368	490	25750000	-0.21711	0.003348	0
chr14	26000001	26100000	376	491	26050000	-0.18903	0.009015	0
chr14	26050001	26150000	390	518	26100000	-0.21351	0.003823	0
chr14	26500001	26600000	417	553	26550000	-0.21127	0.00415	0
chr14	26700001	26800000	326	457	26750000	-0.29136	0.000148	0
chr14	26900001	27000000	357	489	26950000	-0.25795	0.000658	0
chr14	27150001	27250000	378	501	27200000	-0.21046	0.004274	0
chr14	27300001	27400000	381	539	27350000	-0.30453	7.88E-05	0
chr14	27900001	28000000	370	493	27950000	-0.2181	0.003227	0
chr14	27950001	28050000	371	485	2.80E+07	-0.1906	0.008551	0
chr14	28050001	28150000	366	480	28100000	-0.19523	0.00731	0
chr14	28200001	28300000	127	201	28250000	-0.4664	6.07E-09	0



chr14	28500001	28600000	386	507	28550000	-0.19742	0.006779	0
chr14	28550001	28650000	345	462	28600000	-0.22533	0.002456	0
chr14	28900001	29000000	456	605	28950000	-0.21194	0.00405	0
chr14	29100001	29200000	398	548	29150000	-0.26544	0.000477	0
chr14	29150001	29250000	417	570	29200000	-0.25495	0.000747	0
chr14	29300001	29400000	394	519	29350000	-0.20158	0.005867	0
chr14	29350001	29450000	385	514	29400000	-0.22095	0.002901	0
chr14	29950001	30050000	399	529	3.00E+07	-0.21092	0.004204	0
chr14	30500001	30600000	394	524	30550000	-0.21541	0.003566	0
chr14	30600001	30700000	425	571	30650000	-0.23006	0.002047	0
chr14	30750001	30850000	439	579	30800000	-0.20338	0.005506	0
chr14	31900001	32000000	577	576	31950000	0.198466	0.006127	0
chr14	31950001	32050000	605	581	3.20E+07	0.25436	0.000672	0
chr14	32000001	32100000	543	543	32050000	0.195963	0.006694	0
chr14	32650001	32750000	523	522	32700000	0.198724	0.00607	0
chr14	33250001	33350000	417	545	33300000	-0.19025	0.008654	0
chr14	33300001	33400000	465	606	33350000	-0.18612	0.009927	0
chr14	34600001	34700000	519	678	34650000	-0.18959	0.008847	0
chr14	35000001	35100000	440	443	35050000	0.18616	0.009389	0
chr14	35250001	35350000	586	579	35300000	0.2133	0.003559	0
chr14	35450001	35550000	558	542	35500000	0.237935	0.001348	0
chr14	35500001	35600000	545	533	35550000	0.228084	0.002008	0
chr14	36050001	36150000	561	565	36100000	0.185713	0.009532	0
chr14	38600001	38700000	453	592	38650000	-0.19012	0.00869	0
chr14	39350001	39450000	393	533	39400000	-0.24364	0.001193	0
chr14	40250001	40350000	431	591	40300000	-0.25951	0.000616	0
chr14	40300001	40400000	396	554	40350000	-0.28842	0.000169	0
chr14	40350001	40450000	348	493	40400000	-0.30654	7.14E-05	0
chr14	40400001	40500000	373	500	40450000	-0.22679	0.002323	0
chr14	41350001	41450000	326	467	41400000	-0.32259	3.21E-05	0
chr14	41400001	41500000	348	468	41450000	-0.23146	0.001939	0
chr14	41800001	41900000	362	488	41850000	-0.23493	0.001692	0
chr14	42200001	42300000	361	476	42250000	-0.203	0.00558	0
chr14	42700001	42800000	319	421	42750000	-0.2043	0.005329	0
chr14	42750001	42850000	343	463	42800000	-0.23684	0.001568	0
chr14	42900001	43000000	363	479	42950000	-0.20409	0.005369	0
chr14	42950001	43050000	373	494	4.30E+07	-0.20937	0.004445	0
chr14	43300001	43400000	327	463	43350000	-0.30576	7.42E-05	0
chr14	43350001	43450000	331	450	43400000	-0.24713	0.001035	0
chr14	43800001	43900000	311	432	43850000	-0.27815	0.000271	0
chr14	43850001	43950000	359	486	43900000	-0.24101	0.001327	0
chr14	43900001	44000000	344	462	43950000	-0.22952	0.00209	0
chr14	43950001	44050000	315	463	4.40E+07	-0.3597	4.46E-06	0
chr14	44000001	44100000	338	461	44050000	-0.25178	0.000853	0
chr14	44050001	44150000	367	489	44100000	-0.21809	0.003228	0
chr14	44100001	44200000	378	519	44150000	-0.26139	0.000568	0
chr14	44150001	44250000	381	506	44200000	-0.21338	0.003842	0

chr14	44350001	44450000	403	530	44400000	-0.19925	0.006363	0
chr14	44400001	44500000	365	496	44450000	-0.24648	0.001063	0
chr14	44700001	44800000	374	493	44750000	-0.20259	0.005662	0
chr14	46000001	46100000	368	491	46050000	-0.22005	0.003	0
chr14	46300001	46400000	448	446	46350000	0.202418	0.005317	0
chr14	46650001	46750000	370	490	46700000	-0.20929	0.004458	0
chr14	47150001	47250000	372	505	47200000	-0.24502	0.001128	0
chr14	47250001	47350000	357	480	47300000	-0.23115	0.001962	0
chr14	47650001	47750000	386	543	47700000	-0.29639	0.000117	0
chr14	47700001	47800000	394	537	47750000	-0.25076	0.00089	0
chr14	47900001	48000000	423	554	47950000	-0.19327	0.007816	0
chr14	48050001	48150000	416	544	48100000	-0.19106	0.008421	0
chr14	49200001	49300000	379	519	49250000	-0.25757	0.000669	0
chr14	49250001	49350000	385	513	49300000	-0.21814	0.003223	0
chr14	49300001	49400000	398	538	49350000	-0.23887	0.001446	0
chr14	50050001	50150000	598	600	50100000	0.191146	0.007918	0
chr14	50250001	50350000	573	562	50300000	0.223928	0.002366	0
chr14	50400001	50500000	672	670	50450000	0.200263	0.005746	0
chr14	51200001	51300000	634	605	51250000	0.263511	0.000449	0
chr14	51250001	51350000	667	638	51300000	0.260093	0.000523	0
chr14	51800001	51900000	478	624	51850000	-0.18857	0.009153	0
chr14	52400001	52500000	712	705	52450000	0.210217	0.003994	0
chr14	52450001	52550000	713	713	52500000	0.195963	0.006694	0
chr14	53150001	53250000	645	598	53200000	0.305117	6.16E-05	0
chr14	53200001	53300000	621	610	53250000	0.221747	0.002576	0
chr14	54650001	54750000	487	640	54700000	-0.19819	0.006602	0
chr14	55350001	55450000	580	571	55400000	0.218525	0.002917	0
chr14	55450001	55550000	592	596	55500000	0.186248	0.009361	0
chr14	55650001	55750000	620	614	55700000	0.209993	0.004028	0
chr14	55700001	55800000	645	624	55750000	0.243716	0.00106	0
chr14	57750001	57850000	473	450	57800000	0.267878	0.000369	0
chr14	58700001	58800000	582	585	58750000	0.188546	0.008658	0
chr14	59900001	60000000	572	575	59950000	0.188416	0.008696	0
chr14	59950001	60050000	495	498	6.00E+07	0.187246	0.00905	0
chr14	60050001	60150000	430	565	60100000	-0.19795	0.006656	0
chr14	61300001	61400000	452	604	61350000	-0.22226	0.00276	0
chr14	62100001	62200000	676	677	62150000	0.19383	0.007213	0
chr14	62150001	62250000	656	617	62200000	0.284388	0.000171	0
chr14	62400001	62500000	540	710	62450000	-0.1989	0.006442	0
chr14	62450001	62550000	509	682	62500000	-0.22614	0.002381	0
chr14	62700001	62800000	453	598	62750000	-0.20467	0.00526	0
chr14	63000001	63100000	421	571	63050000	-0.24371	0.00119	0
chr14	65600001	65700000	575	578	65650000	0.188455	0.008685	0
chr14	67450001	67550000	454	603	67500000	-0.2135	0.003825	0
chr14	69250001	69350000	1078	1083	69300000	0.189287	0.008441	0
chr14	69850001	69950000	880	843	69900000	0.257934	0.000575	0
chr14	69900001	70000000	965	927	69950000	0.253923	0.000685	0

chr14	70350001	70450000	1093	1075	70400000	0.21992	0.002765	0
chr14	70400001	70500000	1140	1126	70450000	0.21379	0.003494	0
chr14	71000001	71100000	849	838	71050000	0.214777	0.003366	0
chr14	73300001	73400000	1042	962	73350000	0.31121	4.51E-05	0
chr14	73350001	73450000	1067	978	73400000	0.321617	2.62E-05	0
chr14	73500001	73600000	828	831	73550000	0.190745	0.008028	0
chr14	74100001	74200000	926	907	74150000	0.225873	0.002191	0
chr14	74150001	74250000	1040	1028	74200000	0.212706	0.003639	0
chr14	74300001	74400000	976	972	74350000	0.201888	0.00542	0
chr14	74500001	74600000	821	817	74550000	0.203009	0.005205	0
chr14	75450001	75550000	1011	1016	75500000	0.188846	0.00857	0
chr14	75500001	75600000	1042	1013	75550000	0.236684	0.001419	0
chr14	75550001	75650000	966	951	75600000	0.218541	0.002916	0
chr14	83100001	83200000	590	787	83150000	-0.21969	0.003042	0
chr14	83150001	83250000	610	816	83200000	-0.2238	0.002604	0
chr14	83400001	83500000	598	788	83450000	-0.20209	0.005762	0
chr14	83450001	83550000	581	805	83500000	-0.27449	0.00032	0
chr14	83600001	83700000	579	792	83650000	-0.25597	0.000716	0
chr14	83650001	83750000	594	825	83700000	-0.27797	0.000274	0
chr14	83850001	83950000	580	770	83900000	-0.21284	0.003919	0
chr14	83900001	84000000	587	783	83950000	-0.21969	0.003041	0
chr14	84100001	84200000	541	709	84150000	-0.19419	0.007573	0
chr14	84150001	84250000	575	782	84200000	-0.24764	0.001013	0
chr14	84450001	84550000	594	776	84500000	-0.18963	0.008835	0
chr14	84600001	84700000	619	812	84650000	-0.19558	0.007223	0
chr14	84650001	84750000	558	766	84700000	-0.26112	0.000575	0
chr14	84850001	84950000	570	774	84900000	-0.24541	0.00111	0
chr14	86450001	86550000	580	781	86500000	-0.23331	0.001803	0
chr14	87100001	87200000	673	877	87150000	-0.18601	0.009965	0
chr14	87700001	87800000	586	785	87750000	-0.22583	0.00241	0
chr14	87750001	87850000	613	808	87800000	-0.20251	0.005678	0
chr14	87950001	88050000	627	824	8.80E+07	-0.19822	0.006595	0
chr14	88950001	89050000	882	850	8.90E+07	0.249279	0.000837	0
chr14	89400001	89500000	967	971	89450000	0.190008	0.008235	0
chr14	90150001	90250000	716	984	90200000	-0.26274	0.000536	0
chr14	90200001	90300000	725	1011	90250000	-0.28377	0.00021	0
chr14	94200001	94300000	1052	1039	94250000	0.213902	0.003479	0
chr14	94550001	94650000	991	983	94600000	0.207657	0.004392	0
chr14	97450001	97550000	760	1015	97500000	-0.22145	0.002847	0
chr14	97500001	97600000	718	998	97550000	-0.27909	0.00026	0
chr14	1E+08	1E+08	1271	1212	1E+08	0.264537	0.000429	0
chr14	1E+08	1E+08	1184	1191	1E+08	0.187459	0.008985	0
chr14	1.01E+08	1.01E+08	1107	1063	1.01E+08	0.254477	0.000669	0
chr14	1.01E+08	1.01E+08	1120	1035	1.01E+08	0.309831	4.84E-05	0
chr14	1.01E+08	1.01E+08	1117	1068	1.01E+08	0.260681	0.000509	0
chr14	1.01E+08	1.01E+08	1199	1166	1.01E+08	0.236227	0.001445	0
chr14	1.02E+08	1.02E+08	1137	1144	1.02E+08	0.187108	0.009092	0

chr14	1.02E+08	1.03E+08	1030	978	1.02E+08	0.270701	0.000324	0
chr14	1.02E+08	1.03E+08	984	956	1.03E+08	0.237611	0.001366	0
chr14	1.03E+08	1.03E+08	926	924	1.03E+08	0.199082	0.005993	0
chr14	1.03E+08	1.03E+08	1046	985	1.03E+08	0.28265	0.000186	0
chr14	1.03E+08	1.03E+08	1053	960	1.03E+08	0.329362	1.73E-05	0
chr14	1.03E+08	1.03E+08	978	903	1.03E+08	0.311072	4.54E-05	0
chr14	1.03E+08	1.03E+08	1014	1012	1.03E+08	0.198811	0.006052	0
chr14	1.03E+08	1.04E+08	1013	992	1.04E+08	0.226185	0.002165	0
chr14	1.04E+08	1.04E+08	1149	1066	1.04E+08	0.304134	6.47E-05	0
chr14	1.04E+08	1.04E+08	1146	1128	1.04E+08	0.218803	0.002886	0
chr14	1.04E+08	1.04E+08	950	957	1.04E+08	0.185372	0.009643	0
chr14	1.04E+08	1.04E+08	944	927	1.04E+08	0.222181	0.002533	0
chr14	1.04E+08	1.04E+08	987	956	1.04E+08	0.242003	0.001138	0
chr14	1.04E+08	1.04E+08	943	933	1.04E+08	0.211344	0.00383	0
chr14	1.04E+08	1.04E+08	1128	1047	1.04E+08	0.303469	6.69E-05	0
chr14	1.04E+08	1.04E+08	986	926	1.04E+08	0.286538	0.000154	0
chr14	1.04E+08	1.04E+08	855	858	1.04E+08	0.19091	0.007983	0
chr14	1.05E+08	1.05E+08	1149	1156	1.05E+08	0.1872	0.009064	0
chr14	1.05E+08	1.05E+08	1362	1296	1.05E+08	0.267624	0.000373	0
chr14	1.05E+08	1.05E+08	1359	1271	1.05E+08	0.292544	0.000115	0
chr14	1.05E+08	1.05E+08	1167	1173	1.05E+08	0.188565	0.008652	0
chr14	1.05E+08	1.05E+08	1205	1178	1.05E+08	0.228657	0.001962	0
chr14	1.05E+08	1.05E+08	1336	1262	1.05E+08	0.278171	0.000229	0
chr14	1.05E+08	1.05E+08	1410	1358	1.05E+08	0.250175	0.000806	0
chr14	1.05E+08	1.05E+08	1279	1189	1.05E+08	0.301231	7.49E-05	0
chr14	1.05E+08	1.06E+08	1083	988	1.05E+08	0.328413	1.82E-05	0
chr14	1.05E+08	1.06E+08	1094	1040	1.06E+08	0.268992	0.00035	0
chr14	1.06E+08	1.06E+08	1242	1230	1.06E+08	0.20997	0.004031	0
chr14	1.06E+08	1.06E+08	1040	972	1.06E+08	0.293518	0.00011	0
chr14	1.06E+08	1.06E+08	981	956	1.06E+08	0.233206	0.001635	0
chr14	1.06E+08	1.06E+08	1218	1159	1.06E+08	0.267597	0.000373	0
chr14	1.06E+08	1.06E+08	1292	1197	1.06E+08	0.306146	5.84E-05	0
chr14	1.06E+08	1.06E+08	1201	1084	1.06E+08	0.343834	7.79E-06	0
chr14	1.06E+08	1.06E+08	913	817	1.06E+08	0.356242	3.85E-06	0
chr14	1.06E+08	1.06E+08	500	494	1.06E+08	0.21338	0.003548	0
chr14	1.07E+08	1.07E+08	352	327	1.07E+08	0.302248	7.12E-05	0
chr14	1.07E+08	1.07E+08	493	484	1.07E+08	0.222544	0.002497	0
chr14	20200001	20300000	202	261	20250000	-0.17373	0.014793	0
chr14	20250001	20350000	252	322	20300000	-0.15767	0.024061	0
chr14	20500001	20600000	377	489	20550000	-0.17931	0.012394	0
chr14	20900001	21000000	640	654	20950000	0.164744	0.018759	0
chr14	21050001	21150000	681	701	21100000	0.154203	0.025757	0
chr14	21350001	21450000	407	422	21400000	0.143749	0.034741	0
chr14	21400001	21500000	582	598	21450000	0.156837	0.023831	0
chr14	21500001	21600000	708	720	21550000	0.171715	0.015081	0
chr14	22300001	22400000	479	603	22350000	-0.13617	0.043755	0
chr14	22750001	22850000	470	600	22800000	-0.15634	0.025015	0

chr14	22850001	22950000	597	753	22900000	-0.13896	0.040632	0
chr14	23050001	23150000	543	561	23100000	0.148914	0.030023	0
chr14	24300001	24400000	573	589	24350000	0.156231	0.024263	0
chr14	24350001	24450000	416	429	24400000	0.151569	0.027814	0
chr14	24700001	24800000	782	804	24750000	0.155936	0.024475	0
chr14	24850001	24950000	682	692	24900000	0.174963	0.013592	0
chr14	26250001	26350000	394	496	26300000	-0.13618	0.043741	0
chr14	26300001	26400000	420	541	26350000	-0.16928	0.016988	0
chr14	26350001	26450000	418	540	26400000	-0.17349	0.014903	0
chr14	26450001	26550000	445	563	26500000	-0.14337	0.036062	0
chr14	26550001	26650000	409	514	26600000	-0.1337	0.046678	0
chr14	26650001	26750000	391	493	26700000	-0.13846	0.041179	0
chr14	26750001	26850000	385	488	26800000	-0.14606	0.033487	0
chr14	26850001	26950000	400	520	26900000	-0.18255	0.011161	0
chr14	27050001	27150000	349	443	27100000	-0.14812	0.031623	0
chr14	27100001	27200000	342	437	27150000	-0.15767	0.024061	0
chr14	27350001	27450000	380	489	27400000	-0.16787	0.017736	0
chr14	27400001	27500000	399	507	27450000	-0.14963	0.030305	0
chr14	27450001	27550000	396	499	27500000	-0.13758	0.042155	0
chr14	27550001	27650000	362	468	27600000	-0.17456	0.014414	0
chr14	27600001	27700000	368	475	27650000	-0.17226	0.01549	0
chr14	29250001	29350000	427	536	29300000	-0.13203	0.048747	0
chr14	29400001	29500000	340	440	29450000	-0.17601	0.013769	0
chr14	29450001	29550000	375	482	29500000	-0.16618	0.018675	0
chr14	29900001	30000000	401	506	29950000	-0.13957	0.039967	0
chr14	30250001	30350000	424	532	30300000	-0.1314	0.049552	0
chr14	30550001	30650000	410	518	30600000	-0.14137	0.038081	0
chr14	30800001	30900000	443	562	30850000	-0.1473	0.032352	0
chr14	30950001	31050000	575	591	3.10E+07	0.156367	0.024165	0
chr14	31000001	31100000	561	580	31050000	0.147911	0.030896	0
chr14	31200001	31300000	526	675	31250000	-0.16386	0.020029	0
chr14	31400001	31500000	553	577	31450000	0.134671	0.044499	0
chr14	32050001	32150000	446	466	32100000	0.132677	0.046915	0
chr14	32100001	32200000	480	487	32150000	0.175076	0.013542	0
chr14	32600001	32700000	556	581	32650000	0.13251	0.047122	0
chr14	33000001	33100000	499	641	33050000	-0.16532	0.019167	0
chr14	33050001	33150000	497	625	33100000	-0.13465	0.045542	0
chr14	33500001	33600000	489	507	33550000	0.143812	0.03468	0
chr14	33550001	33650000	503	523	33600000	0.13971	0.03884	0
chr14	33650001	33750000	496	631	33700000	-0.15134	0.02888	0
chr14	33750001	33850000	502	633	33800000	-0.13856	0.04107	0
chr14	34250001	34350000	507	654	34300000	-0.17134	0.015938	0
chr14	34400001	34500000	591	616	34450000	0.136191	0.042726	0
chr14	34950001	35050000	423	433	3.50E+07	0.162254	0.020246	0
chr14	35050001	35150000	472	492	35100000	0.136092	0.04284	0
chr14	35400001	35500000	571	583	35450000	0.165958	0.018068	0
chr14	35750001	35850000	611	628	35800000	0.156371	0.024162	0

chr14	35800001	35900000	617	631	35850000	0.163594	0.019434	0
chr14	38700001	38800000	465	589	38750000	-0.14507	0.034411	0
chr14	38850001	38950000	445	570	38900000	-0.16119	0.021691	0
chr14	39950001	40050000	404	525	4.00E+07	-0.182	0.011362	0
chr14	40000001	40100000	435	556	40050000	-0.15811	0.023758	0
chr14	40150001	40250000	461	590	40200000	-0.15999	0.022481	0
chr14	40200001	40300000	453	588	40250000	-0.18034	0.011988	0
chr14	41000001	41100000	382	482	41050000	-0.1395	0.040047	0
chr14	41050001	41150000	375	480	41100000	-0.16018	0.022351	0
chr14	41300001	41400000	377	475	41350000	-0.1374	0.042353	0
chr14	41450001	41550000	384	489	41500000	-0.15277	0.027729	0
chr14	42150001	42250000	385	484	42200000	-0.13419	0.046095	0
chr14	42250001	42350000	421	542	42300000	-0.16851	0.017393	0
chr14	42550001	42650000	376	478	42600000	-0.15031	0.029728	0
chr14	42600001	42700000	359	464	42650000	-0.17418	0.014587	0
chr14	42800001	42900000	389	492	42850000	-0.14293	0.0365	0
chr14	43000001	43100000	378	492	43050000	-0.18431	0.010538	0
chr14	43050001	43150000	371	482	43100000	-0.18165	0.011491	0
chr14	43250001	43350000	345	443	43300000	-0.16475	0.019502	0
chr14	43400001	43500000	353	445	43450000	-0.13817	0.041489	0
chr14	43450001	43550000	363	471	43500000	-0.17979	0.012201	0
chr14	44650001	44750000	375	486	44700000	-0.1781	0.012881	0
chr14	45550001	45650000	571	588	45600000	0.153638	0.026188	0
chr14	45950001	46050000	395	500	4.60E+07	-0.14411	0.035333	0
chr14	46150001	46250000	383	483	46200000	-0.13872	0.040894	0
chr14	46200001	46300000	394	495	46250000	-0.13327	0.047209	0
chr14	46400001	46500000	358	465	46450000	-0.18131	0.01162	0
chr14	46600001	46700000	362	468	46650000	-0.17456	0.014414	0
chr14	46750001	46850000	391	501	46800000	-0.16168	0.02138	0
chr14	46800001	46900000	390	495	46850000	-0.14799	0.031734	0
chr14	47200001	47300000	375	473	47250000	-0.13899	0.040599	0
chr14	47300001	47400000	381	479	47350000	-0.13427	0.045992	0
chr14	47600001	47700000	391	495	47650000	-0.1443	0.035155	0
chr14	48400001	48500000	380	481	48450000	-0.14407	0.03537	0
chr14	48450001	48550000	389	492	48500000	-0.14293	0.0365	0
chr14	48600001	48700000	380	493	48650000	-0.17963	0.012268	0
chr14	49150001	49250000	395	499	49200000	-0.14122	0.038226	0
chr14	49700001	49800000	486	624	49750000	-0.16463	0.019573	0
chr14	50300001	50400000	547	558	50350000	0.167239	0.017363	0
chr14	50350001	50450000	576	598	50400000	0.141886	0.036585	0
chr14	50900001	51000000	582	731	50950000	-0.13289	0.047679	0
chr14	51100001	51200000	543	684	51150000	-0.13708	0.042713	0
chr14	52250001	52350000	510	646	52300000	-0.14507	0.034411	0
chr14	52550001	52650000	439	558	52600000	-0.15008	0.029925	0
chr14	52750001	52850000	617	645	52800000	0.131934	0.047841	0
chr14	52900001	53000000	487	611	52950000	-0.13129	0.049695	0
chr14	53000001	53100000	582	593	53050000	0.16895	0.016458	0

chr14	53100001	53200000	582	605	53150000	0.140047	0.038484	0
chr14	53800001	53900000	477	606	53850000	-0.14937	0.030535	0
chr14	54300001	54400000	443	571	54350000	-0.17022	0.016501	0
chr14	54350001	54450000	496	629	54400000	-0.14676	0.032845	0
chr14	54600001	54700000	494	626	54650000	-0.14569	0.033832	0
chr14	55150001	55250000	714	732	55200000	0.160043	0.021649	0
chr14	55300001	55400000	597	604	55350000	0.179145	0.011862	0
chr14	55400001	55500000	540	546	55450000	0.180021	0.011525	0
chr14	56200001	56300000	587	598	56250000	0.169178	0.016341	0
chr14	56850001	56950000	403	519	56900000	-0.16899	0.017138	0
chr14	58000001	58100000	436	551	58050000	-0.14176	0.037674	0
chr14	58050001	58150000	405	520	58100000	-0.16463	0.019573	0
chr14	59250001	59350000	580	590	59300000	0.171301	0.015281	0
chr14	59500001	59600000	522	657	59550000	-0.13588	0.04409	0
chr14	61400001	61500000	576	581	61450000	0.183494	0.01027	0
chr14	61550001	61650000	505	644	61600000	-0.15481	0.026144	0
chr14	61600001	61700000	547	696	61650000	-0.15158	0.028679	0
chr14	61650001	61750000	566	716	61700000	-0.14319	0.036232	0
chr14	61950001	62050000	792	813	6.20E+07	0.158208	0.022876	0
chr14	62750001	62850000	428	551	62800000	-0.16848	0.01741	0
chr14	63050001	63150000	451	570	63100000	-0.14187	0.037562	0
chr14	63250001	63350000	434	555	63300000	-0.15883	0.023259	0
chr14	63350001	63450000	465	591	63400000	-0.14996	0.030024	0
chr14	63400001	63500000	491	632	63450000	-0.16824	0.017538	0
chr14	63700001	63800000	493	622	63750000	-0.13936	0.04019	0
chr14	63750001	63850000	453	570	63800000	-0.13549	0.044548	0
chr14	64800001	64900000	577	588	64850000	0.168718	0.016579	0
chr14	64850001	64950000	642	656	64900000	0.164841	0.018703	0
chr14	64900001	65000000	657	678	64950000	0.150571	0.028628	0
chr14	64950001	65050000	609	620	6.50E+07	0.170137	0.015855	0
chr14	65100001	65200000	670	689	65150000	0.15562	0.024705	0
chr14	65150001	65250000	770	780	65200000	0.177347	0.012581	0
chr14	65650001	65750000	572	591	65700000	0.14882	0.030105	0
chr14	66350001	66450000	559	582	66400000	0.137792	0.040921	0
chr14	66400001	66500000	575	593	66450000	0.151493	0.027876	0
chr14	66750001	66850000	469	596	66800000	-0.14976	0.030196	0
chr14	67150001	67250000	414	532	67200000	-0.16583	0.018872	0
chr14	67600001	67700000	580	602	67650000	0.142252	0.036216	0
chr14	67950001	68050000	963	1004	6.80E+07	0.135811	0.043164	0
chr14	68000001	68100000	1049	1060	68050000	0.180913	0.011191	0
chr14	68050001	68150000	973	1002	68100000	0.153592	0.026223	0
chr14	69200001	69300000	1119	1131	69250000	0.180574	0.011317	0
chr14	69350001	69450000	1119	1169	69400000	0.132898	0.046642	0
chr14	69400001	69500000	1002	1040	69450000	0.142262	0.036207	0
chr14	69550001	69650000	940	966	69600000	0.156601	0.023998	0
chr14	69950001	70050000	995	1021	7.00E+07	0.158749	0.022509	0
chr14	70650001	70750000	611	784	70700000	-0.16372	0.020115	0

chr14	71050001	71150000	932	973	71100000	0.133853	0.045478	0
chr14	71850001	71950000	918	948	71900000	0.14957	0.029465	0
chr14	73400001	73500000	921	948	73450000	0.154277	0.025702	0
chr14	73450001	73550000	792	824	73500000	0.138819	0.039796	0
chr14	73900001	74000000	868	899	73950000	0.145337	0.03323	0
chr14	73950001	74050000	598	611	7.40E+07	0.164936	0.018648	0
chr14	74050001	74150000	811	847	74100000	0.133303	0.046145	0
chr14	74200001	74300000	1023	1052	74250000	0.155634	0.024695	0
chr14	74250001	74350000	943	978	74300000	0.143386	0.035094	0
chr14	74350001	74450000	979	1010	74400000	0.150989	0.028285	0
chr14	74450001	74550000	832	848	74500000	0.168482	0.016702	0
chr14	74800001	74900000	986	1004	74850000	0.169863	0.015992	0
chr14	75250001	75350000	991	1036	75300000	0.131896	0.047889	0
chr14	75350001	75450000	1115	1166	75400000	0.131439	0.048467	0
chr14	75600001	75700000	911	936	75650000	0.156906	0.023782	0
chr14	75700001	75800000	979	996	75750000	0.171126	0.015366	0
chr14	75850001	75950000	1128	1163	75900000	0.151879	0.027565	0
chr14	76150001	76250000	972	1010	76200000	0.140636	0.037867	0
chr14	76300001	76400000	856	886	76350000	0.146267	0.03237	0
chr14	76350001	76450000	941	981	76400000	0.135905	0.043056	0
chr14	77350001	77450000	996	1011	77400000	0.174398	0.013842	0
chr14	77400001	77500000	1014	1023	77450000	0.183215	0.010367	0
chr14	77450001	77550000	1065	1100	77500000	0.149313	0.029683	0
chr14	77600001	77700000	1086	1134	77650000	0.133566	0.045825	0
chr14	78100001	78200000	838	876	78150000	0.131982	0.047781	0
chr14	78350001	78450000	809	1025	78400000	-0.14545	0.034057	0
chr14	78400001	78500000	763	971	78450000	-0.15183	0.028482	0
chr14	78450001	78550000	749	941	78500000	-0.13327	0.047214	0
chr14	78600001	78700000	839	1061	78650000	-0.14272	0.036706	0
chr14	79300001	79400000	677	857	79350000	-0.14418	0.035271	0
chr14	80450001	80550000	643	812	80500000	-0.1407	0.038774	0
chr14	80500001	80600000	680	869	80550000	-0.15786	0.023931	0
chr14	81350001	81450000	863	896	81400000	0.141825	0.036647	0
chr14	82250001	82350000	614	786	82300000	-0.16033	0.022255	0
chr14	82400001	82500000	649	828	82450000	-0.15545	0.025669	0
chr14	82450001	82550000	624	793	82500000	-0.14981	0.030154	0
chr14	82900001	83000000	637	818	82950000	-0.16484	0.019445	0
chr14	83050001	83150000	608	781	83100000	-0.16529	0.019186	0
chr14	83500001	83600000	621	779	83550000	-0.13107	0.049978	0
chr14	83700001	83800000	650	821	83750000	-0.14098	0.03848	0
chr14	83800001	83900000	613	775	83850000	-0.14235	0.03708	0
chr14	84200001	84300000	613	786	84250000	-0.16268	0.020752	0
chr14	84400001	84500000	581	750	84450000	-0.17239	0.015427	0
chr14	84700001	84800000	614	777	84750000	-0.14371	0.035722	0
chr14	84750001	84850000	611	767	84800000	-0.13209	0.048675	0
chr14	84800001	84900000	580	748	84850000	-0.17102	0.016096	0
chr14	84900001	85000000	573	741	84950000	-0.17498	0.014225	0



chr14	85100001	85200000	589	765	85150000	-0.18123	0.011649	0
chr14	85300001	85400000	611	768	85350000	-0.13397	0.046355	0
chr14	85650001	85750000	629	800	85700000	-0.15098	0.029177	0
chr14	85700001	85800000	679	871	85750000	-0.1633	0.020371	0
chr14	86250001	86350000	623	797	86300000	-0.15938	0.022883	0
chr14	86400001	86500000	636	819	86450000	-0.16887	0.0172	0
chr14	86600001	86700000	614	791	86650000	-0.16948	0.016884	0
chr14	86650001	86750000	594	768	86700000	-0.17468	0.014358	0
chr14	86700001	86800000	578	734	86750000	-0.14875	0.03107	0
chr14	87550001	87650000	698	887	87600000	-0.14974	0.030211	0
chr14	87600001	87700000	666	851	87650000	-0.15767	0.024061	0
chr14	88500001	88600000	661	835	88550000	-0.14116	0.03829	0
chr14	88750001	88850000	876	884	88800000	0.182848	0.010494	0
chr14	88900001	89000000	755	770	88950000	0.167581	0.017179	0
chr14	89150001	89250000	703	896	89200000	-0.15401	0.026756	0
chr14	89450001	89550000	933	946	89500000	0.176	0.013144	0
chr14	90650001	90750000	778	801	90700000	0.153931	0.025964	0
chr14	90800001	90900000	891	899	90850000	0.183067	0.010418	0
chr14	91100001	91200000	837	1059	91150000	-0.14344	0.03599	0
chr14	91200001	91300000	930	954	91250000	0.159204	0.022203	0
chr14	91700001	91800000	998	1025	91750000	0.157451	0.023399	0
chr14	91900001	92000000	753	768	91950000	0.167507	0.017219	0
chr14	92000001	92100000	641	806	92050000	-0.13449	0.045727	0
chr14	93400001	93500000	1135	1164	93450000	0.159564	0.021964	0
chr14	93800001	93900000	699	892	93850000	-0.15579	0.025418	0
chr14	94050001	94150000	877	911	94100000	0.141089	0.037399	0
chr14	94350001	94450000	1074	1105	94400000	0.154911	0.025227	0
chr14	94750001	94850000	767	988	94800000	-0.16932	0.016965	0
chr14	94900001	95000000	839	1058	94950000	-0.13863	0.040983	0
chr14	95950001	96050000	1023	1044	9.60E+07	0.166647	0.017686	0
chr14	96800001	96900000	895	917	96850000	0.160929	0.021078	0
chr14	97050001	97150000	881	1109	97100000	-0.13608	0.043856	0
chr14	97550001	97650000	729	939	97600000	-0.16924	0.017006	0
chr14	98100001	98200000	647	840	98150000	-0.18066	0.011865	0
chr14	99950001	1E+08	1212	1263	1.00E+08	0.136498	0.042375	0
chr14	1E+08	1E+08	1122	1151	1E+08	0.159148	0.022241	0
chr14	1E+08	1E+08	1112	1148	1E+08	0.149997	0.029105	0
chr14	1E+08	1E+08	1096	1115	1E+08	0.171167	0.015346	0
chr14	1E+08	1E+08	1033	1057	1E+08	0.162828	0.019895	0
chr14	1E+08	1E+08	1019	1040	1E+08	0.166534	0.017749	0
chr14	1E+08	1.01E+08	992	1020	1E+08	0.155806	0.02457	0
chr14	1.01E+08	1.01E+08	1098	1137	1.01E+08	0.145609	0.032977	0
chr14	1.01E+08	1.01E+08	1049	1069	1.01E+08	0.168716	0.01658	0
chr14	1.01E+08	1.01E+08	979	1022	1.01E+08	0.133949	0.045363	0
chr14	1.01E+08	1.01E+08	1150	1169	1.01E+08	0.172322	0.014793	0
chr14	1.01E+08	1.01E+08	1267	1279	1.01E+08	0.182363	0.010665	0
chr14	1.01E+08	1.01E+08	1309	1327	1.01E+08	0.17626	0.013034	0

chr14	1.01E+08	1.01E+08	1246	1302	1.01E+08	0.132538	0.047088	0
chr14	1.01E+08	1.01E+08	1006	1031	1.01E+08	0.160549	0.021321	0
chr14	1.02E+08	1.02E+08	983	1018	1.02E+08	0.145489	0.033088	0
chr14	1.02E+08	1.02E+08	998	1027	1.02E+08	0.154639	0.02543	0
chr14	1.03E+08	1.03E+08	861	884	1.03E+08	0.15793	0.023067	0
chr14	1.03E+08	1.03E+08	880	903	1.03E+08	0.158741	0.022514	0
chr14	1.03E+08	1.03E+08	926	963	1.03E+08	0.139439	0.039129	0
chr14	1.03E+08	1.03E+08	920	952	1.03E+08	0.146635	0.032035	0
chr14	1.03E+08	1.03E+08	1130	1160	1.03E+08	0.158161	0.022908	0
chr14	1.03E+08	1.04E+08	1056	1095	1.03E+08	0.143642	0.034845	0
chr14	1.04E+08	1.04E+08	1007	1043	1.04E+08	0.145288	0.033276	0
chr14	1.04E+08	1.04E+08	975	1014	1.04E+08	0.13938	0.039193	0
chr14	1.04E+08	1.04E+08	965	982	1.04E+08	0.170769	0.015541	0
chr14	1.05E+08	1.05E+08	1109	1148	1.05E+08	0.1461	0.032523	0
chr14	1.05E+08	1.05E+08	1221	1270	1.05E+08	0.139198	0.039387	0
chr14	1.05E+08	1.05E+08	1105	1119	1.05E+08	0.177799	0.012397	0
chr14	1.06E+08	1.06E+08	1085	1099	1.06E+08	0.177467	0.012532	0
chr14	1.06E+08	1.06E+08	328	333	1.06E+08	0.174137	0.013958	0
chr14	1.06E+08	1.06E+08	851	883	1.06E+08	0.142709	0.035761	0
chr14	1.06E+08	1.06E+08	569	579	1.06E+08	0.170828	0.015512	0
chr14	1.07E+08	1.07E+08	717	745	1.07E+08	0.140696	0.037805	0
chr14	1.07E+08	1.07E+08	686	714	1.07E+08	0.138248	0.040419	0
chr15	20300001	20400000	34	25	20350000	0.63957	1.83E-15	0
chr15	20350001	20450000	110	105	20400000	0.263077	0.000458	0
chr15	20500001	20600000	871	1139	20550000	-0.19106	0.008421	0
chr15	20650001	20750000	8	13	20700000	-0.50448	4.22E-10	0
chr15	20700001	20800000	9	13	20750000	-0.33455	1.73E-05	0
chr15	20900001	21000000	10	7	20950000	0.710536	2.09E-18	0
chr15	21050001	21150000	6	6	21100000	0.195963	0.006694	0
chr15	21250001	21350000	18	15	21300000	0.458997	5.01E-09	0
chr15	21300001	21400000	13	13	21350000	0.195963	0.006694	0
chr15	21350001	21450000	1	2	21400000	-0.80404	3.29E-21	0
chr15	21800001	21900000	7	18	21850000	-1.16661	1.60E-37	0
chr15	21950001	22050000	26	22	2.20E+07	0.436971	2.34E-08	0
chr15	22050001	22150000	14	19	22100000	-0.24461	0.001147	0
chr15	22100001	22200000	21	32	22150000	-0.41172	2.11E-07	0
chr15	22150001	22250000	13	22	22200000	-0.56303	5.23E-12	0
chr15	22250001	22350000	373	487	22300000	-0.18878	0.009089	0
chr15	22600001	22700000	9	13	22650000	-0.33455	1.73E-05	0
chr15	22650001	22750000	10	14	22700000	-0.28946	0.000161	0
chr15	22800001	22900000	549	538	22850000	0.225163	0.002254	0
chr15	22950001	23050000	667	648	2.30E+07	0.237656	0.001363	0
chr15	23000001	23100000	582	555	23050000	0.264494	0.000429	0
chr15	23150001	23250000	53	70	23200000	-0.2054	0.005126	0
chr15	23250001	23350000	16	7	23300000	1.388608	8.61E-53	0
chr15	23300001	23400000	5	4	23350000	0.517891	6.05E-11	0
chr15	23350001	23450000	3	4	23400000	-0.21907	0.003112	0

chr15	23400001	23500000	6	4	23450000	0.780926	1.60E-21	0
chr15	23450001	23550000	5	5	23500000	0.195963	0.006694	0
chr15	23500001	23600000	2	3	23550000	-0.389	8.31E-07	0
chr15	23850001	23950000	405	555	23900000	-0.2586	0.00064	0
chr15	24350001	24450000	113	153	24400000	-0.24125	0.001315	0
chr15	24400001	24500000	126	178	24450000	-0.30249	8.70E-05	0
chr15	24650001	24750000	124	123	24700000	0.207645	0.004394	0
chr15	24850001	24950000	383	502	24900000	-0.19438	0.007525	0
chr15	25000001	25100000	394	535	25050000	-0.24538	0.001111	0
chr15	25050001	25150000	364	517	25100000	-0.31026	5.95E-05	0
chr15	25150001	25250000	398	519	25200000	-0.187	0.009643	0
chr15	25200001	25300000	440	587	25250000	-0.21989	0.003018	0
chr15	25250001	25350000	466	619	25300000	-0.21365	0.003805	0
chr15	25750001	25850000	446	584	25800000	-0.19296	0.007897	0
chr15	25800001	25900000	410	567	25850000	-0.27176	0.000361	0
chr15	25850001	25950000	447	583	25900000	-0.18726	0.009561	0
chr15	27050001	27150000	456	596	27100000	-0.19032	0.008634	0
chr15	27950001	28050000	490	655	2.80E+07	-0.22275	0.00271	0
chr15	28000001	28100000	511	674	28050000	-0.20346	0.00549	0
chr15	28400001	28500000	239	358	28450000	-0.38699	9.36E-07	0
chr15	28550001	28650000	30	22	28600000	0.643422	1.28E-15	0
chr15	28600001	28700000	9	9	28650000	0.195963	0.006694	0
chr15	28750001	28850000	2	5	28800000	-1.12597	1.27E-35	0
chr15	28800001	28900000	0	3	28850000	#NAME?	3.67E-137	0
chr15	28900001	29000000	15	25	28950000	-0.541	2.84E-11	0
chr15	28950001	29050000	41	57	2.90E+07	-0.27937	0.000257	0
chr15	29300001	29400000	651	638	29350000	0.225064	0.002262	0
chr15	30350001	30450000	90	125	30400000	-0.27797	0.000274	0
chr15	30400001	30500000	14	13	30450000	0.302878	6.89E-05	0
chr15	30750001	30850000	6	8	30800000	-0.21907	0.003112	0
chr15	30800001	30900000	3	2	30850000	0.780926	1.60E-21	0
chr15	30850001	30950000	80	63	30900000	0.540611	9.83E-12	0
chr15	30900001	31000000	182	179	30950000	0.219942	0.002762	0
chr15	32000001	32100000	542	543	32050000	0.193304	0.007347	0
chr15	32450001	32550000	33	71	32500000	-0.90939	9.57E-26	0
chr15	32500001	32600000	35	71	32550000	-0.8245	4.52E-22	0
chr15	32550001	32650000	7	11	32600000	-0.45611	1.21E-08	0
chr15	32600001	32700000	5	9	32650000	-0.65203	3.56E-15	0
chr15	32650001	32750000	4	3	32700000	0.611001	2.44E-14	0
chr15	32700001	32800000	9	7	32750000	0.558533	2.25E-12	0
chr15	32750001	32850000	11	11	32800000	0.195963	0.006694	0
chr15	32800001	32900000	8	6	32850000	0.611001	2.44E-14	0
chr15	32850001	32950000	180	173	32900000	0.253188	0.000707	0
chr15	33450001	33550000	465	612	33500000	-0.20034	0.006126	0
chr15	33500001	33600000	459	603	33550000	-0.1977	0.006714	0
chr15	34200001	34300000	488	668	34250000	-0.257	0.000685	0
chr15	34250001	34350000	508	665	34300000	-0.19256	0.008004	0

chr15	34600001	34700000	485	485	34650000	0.195963	0.006694	0
chr15	35700001	35800000	519	678	35750000	-0.18959	0.008847	0
chr15	36800001	36900000	570	563	36850000	0.21379	0.003494	0
chr15	36900001	37000000	448	603	36950000	-0.2327	0.001847	0
chr15	36950001	37050000	437	575	3.70E+07	-0.19997	0.006206	0
chr15	38100001	38200000	473	645	38150000	-0.2515	0.000863	0
chr15	40150001	40250000	717	666	40200000	0.302414	7.06E-05	0
chr15	40200001	40300000	689	664	40250000	0.249284	0.000837	0
chr15	40250001	40350000	687	674	40300000	0.223525	0.002403	0
chr15	40300001	40400000	777	763	40350000	0.222195	0.002531	0
chr15	40500001	40600000	815	796	40550000	0.229995	0.00186	0
chr15	40550001	40650000	917	896	40600000	0.229386	0.001906	0
chr15	40600001	40700000	848	825	40650000	0.235633	0.001481	0
chr15	40650001	40750000	778	770	40700000	0.210875	0.003898	0
chr15	40700001	40800000	826	801	40750000	0.240303	0.001222	0
chr15	40750001	40850000	752	753	40800000	0.194046	0.007159	0
chr15	40850001	40950000	646	625	40900000	0.243641	0.001063	0
chr15	41100001	41200000	757	716	41150000	0.276297	0.00025	0
chr15	41150001	41250000	806	750	41200000	0.299852	8.02E-05	0
chr15	41200001	41300000	813	812	41250000	0.197739	0.006287	0
chr15	41400001	41500000	484	480	41450000	0.207936	0.004347	0
chr15	41450001	41550000	552	551	41500000	0.198579	0.006102	0
chr15	41500001	41600000	586	590	41550000	0.186149	0.009393	0
chr15	41650001	41750000	544	500	41700000	0.317642	3.23E-05	0
chr15	41700001	41800000	680	606	41750000	0.36218	2.72E-06	0
chr15	41750001	41850000	686	685	41800000	0.198068	0.006214	0
chr15	42200001	42300000	786	777	42250000	0.212578	0.003657	0
chr15	42250001	42350000	776	775	42300000	0.197823	0.006268	0
chr15	42650001	42750000	662	667	42700000	0.185107	0.009729	0
chr15	42700001	42800000	648	642	42750000	0.209384	0.00412	0
chr15	43200001	43300000	609	589	43250000	0.244138	0.001041	0
chr15	43250001	43350000	588	578	43300000	0.22071	0.002682	0
chr15	43400001	43500000	637	639	43450000	0.19144	0.007838	0
chr15	43600001	43700000	775	737	43650000	0.268495	0.000358	0
chr15	44700001	44800000	559	559	44750000	0.195963	0.006694	0
chr15	45100001	45200000	190	258	45150000	-0.24541	0.00111	0
chr15	45300001	45400000	390	369	45350000	0.275816	0.000256	0
chr15	46950001	47050000	416	545	4.70E+07	-0.19371	0.007699	0
chr15	48500001	48600000	500	664	48550000	-0.21329	0.003855	0
chr15	49800001	49900000	487	652	49850000	-0.22499	0.002489	0
chr15	50250001	50350000	530	703	50300000	-0.21157	0.004105	0
chr15	50300001	50400000	527	697	50350000	-0.20739	0.004773	0
chr15	50850001	50950000	592	585	50900000	0.213124	0.003583	0
chr15	50900001	51000000	561	556	50950000	0.208879	0.004198	0
chr15	51800001	51900000	473	647	51850000	-0.25596	0.000716	0
chr15	52700001	52800000	485	646	52750000	-0.21759	0.00329	0
chr15	53750001	53850000	405	574	53800000	-0.30717	6.93E-05	0

chr15	53800001	53900000	415	598	53850000	-0.33107	2.07E-05	0
chr15	53850001	53950000	445	588	53900000	-0.20605	0.005009	0
chr15	54700001	54800000	371	552	54750000	-0.37729	1.65E-06	0
chr15	54750001	54850000	423	578	54800000	-0.25445	0.000763	0
chr15	54900001	55000000	421	553	54950000	-0.1975	0.006762	0
chr15	56500001	56600000	637	639	56550000	0.19144	0.007838	0
chr15	57250001	57350000	646	640	57300000	0.209425	0.004114	0
chr15	58200001	58300000	521	705	58250000	-0.24038	0.001361	0
chr15	59900001	60000000	644	623	59950000	0.243792	0.001056	0
chr15	60500001	60600000	539	712	60550000	-0.20563	0.005084	0
chr15	61600001	61700000	475	635	61650000	-0.22287	0.002698	0
chr15	61650001	61750000	469	637	61700000	-0.24574	0.001095	0
chr15	62650001	62750000	655	625	62700000	0.263602	0.000447	0
chr15	63700001	63800000	732	714	63750000	0.231883	0.001724	0
chr15	64350001	64450000	723	728	64400000	0.18602	0.009434	0
chr15	65300001	65400000	792	761	65350000	0.253567	0.000696	0
chr15	65650001	65750000	752	723	65700000	0.2527	0.000722	0
chr15	65700001	65800000	611	612	65750000	0.193604	0.007271	0
chr15	65750001	65850000	558	560	65800000	0.190801	0.008013	0
chr15	65800001	65900000	620	609	65850000	0.221789	0.002572	0
chr15	66750001	66850000	669	655	66800000	0.226474	0.00214	0
chr15	66900001	67000000	788	787	66950000	0.197795	0.006274	0
chr15	66950001	67050000	873	793	6.70E+07	0.334624	1.30E-05	0
chr15	67050001	67150000	747	752	67100000	0.186339	0.009333	0
chr15	67100001	67200000	739	744	67150000	0.186235	0.009366	0
chr15	67250001	67350000	665	670	67300000	0.185156	0.009713	0
chr15	67400001	67500000	843	755	67450000	0.355019	4.13E-06	0
chr15	67450001	67550000	745	723	67500000	0.239208	0.001279	0
chr15	68100001	68200000	707	685	68150000	0.241569	0.001159	0
chr15	69700001	69800000	708	701	69750000	0.210298	0.003982	0
chr15	70150001	70250000	581	786	70200000	-0.24003	0.001381	0
chr15	70250001	70350000	713	704	70300000	0.21429	0.003428	0
chr15	70300001	70400000	799	784	70350000	0.223305	0.002424	0
chr15	72500001	72600000	751	753	72550000	0.192126	0.007654	0
chr15	72750001	72850000	650	644	72800000	0.209342	0.004126	0
chr15	74350001	74450000	372	372	74400000	0.195963	0.006694	0
chr15	74400001	74500000	788	783	74450000	0.205146	0.004816	0
chr15	74450001	74550000	862	856	74500000	0.20604	0.004661	0
chr15	75000001	75100000	782	763	75050000	0.231449	0.001755	0
chr15	75050001	75150000	870	836	75100000	0.253475	0.000699	0
chr15	75100001	75200000	784	777	75150000	0.208902	0.004194	0
chr15	75150001	75250000	672	651	75200000	0.241767	0.00115	0
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chr15	75600001	75700000	640	570	75650000	0.363073	2.58E-06	0
chr15	75650001	75750000	704	645	75700000	0.322239	2.53E-05	0
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chr15	75950001	76050000	622	610	7.60E+07	0.224068	0.002353	0
chr15	76100001	76200000	704	703	76150000	0.198014	0.006226	0
chr15	76550001	76650000	717	721	76600000	0.187937	0.00884	0
chr15	77350001	77450000	622	605	77400000	0.235942	0.001462	0
chr15	77400001	77500000	582	582	77450000	0.195963	0.006694	0
chr15	78850001	78950000	626	610	78900000	0.233316	0.001627	0
chr15	79150001	79250000	630	632	79200000	0.19139	0.007852	0
chr15	79850001	79950000	505	660	79900000	-0.19022	0.008662	0
chr15	79900001	80000000	484	661	79950000	-0.25368	0.000788	0
chr15	80800001	80900000	794	799	80850000	0.186907	0.009155	0
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chr15	82650001	82750000	1	1	82700000	0.195963	0.006694	0
chr15	82700001	82800000	0	1	82750000	#NAME?	3.67E-137	0
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chr15	83650001	83750000	586	554	83700000	0.276978	0.000242	0
chr15	84750001	84850000	183	254	84800000	-0.27702	0.000285	0
chr15	84800001	84900000	57	108	84850000	-0.72603	5.03E-18	0
chr15	84850001	84950000	37	31	84900000	0.45122	8.70E-09	0
chr15	84900001	85000000	48	48	84950000	0.195963	0.006694	0
chr15	84950001	85050000	19	28	8.50E+07	-0.36346	3.61E-06	0
chr15	85100001	85200000	561	548	85150000	0.229788	0.001876	0
chr15	85150001	85250000	677	625	85200000	0.311263	4.50E-05	0
chr15	85200001	85300000	659	619	85250000	0.286302	0.000156	0
chr15	85250001	85350000	689	694	85300000	0.185531	0.009591	0
chr15	85700001	85800000	157	153	85750000	0.233196	0.001635	0
chr15	85850001	85950000	642	631	85900000	0.220896	0.002662	0
chr15	86300001	86400000	666	668	86350000	0.191637	0.007785	0
chr15	86950001	87050000	388	550	8.70E+07	-0.30741	6.85E-05	0
chr15	87000001	87100000	397	535	87050000	-0.23444	0.001725	0
chr15	87800001	87900000	397	518	87850000	-0.18785	0.009375	0
chr15	87850001	87950000	404	550	87900000	-0.24911	0.000953	0
chr15	88050001	88150000	430	568	88100000	-0.20559	0.005091	0
chr15	88800001	88900000	616	816	88850000	-0.20968	0.004397	0
chr15	88850001	88950000	555	729	88900000	-0.19747	0.006768	0
chr15	89750001	89850000	640	609	89800000	0.267593	0.000373	0
chr15	89800001	89900000	732	697	89850000	0.266648	0.00039	0
chr15	90250001	90350000	757	760	90300000	0.190257	0.008165	0
chr15	90650001	90750000	652	603	90700000	0.308677	5.14E-05	0

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chr15	90750001	90850000	669	646	90800000	0.246435	0.000945	0
chr15	91350001	91450000	752	749	91400000	0.20173	0.005451	0
chr15	91400001	91500000	861	814	91450000	0.276947	0.000243	0
chr15	91450001	91550000	803	770	91500000	0.256505	0.000612	0
chr15	91850001	91950000	514	702	91900000	-0.25374	0.000786	0
chr15	93350001	93450000	638	638	93400000	0.195963	0.006694	0
chr15	93400001	93500000	710	710	93450000	0.195963	0.006694	0
chr15	93500001	93600000	720	702	93550000	0.232489	0.001683	0
chr15	94200001	94300000	419	561	94250000	-0.22509	0.002479	0
chr15	94600001	94700000	480	629	94650000	-0.19406	0.007607	0
chr15	95250001	95350000	410	547	95300000	-0.21995	0.003011	0
chr15	95550001	95650000	421	552	95600000	-0.19488	0.007396	0
chr15	95900001	96000000	443	586	95950000	-0.20763	0.004733	0
chr15	96850001	96950000	706	687	96900000	0.235321	0.0015	0
chr15	96900001	97000000	597	575	96950000	0.250132	0.000807	0
chr15	97450001	97550000	419	567	97500000	-0.24044	0.001358	0
chr15	97500001	97600000	462	602	97550000	-0.18591	0.009998	0
chr15	97650001	97750000	459	609	97700000	-0.21199	0.004043	0
chr15	97700001	97800000	441	600	97750000	-0.24822	0.000989	0
chr15	97750001	97850000	374	493	97800000	-0.20259	0.005662	0
chr15	98050001	98150000	448	597	98100000	-0.21827	0.003207	0
chr15	98250001	98350000	479	625	98300000	-0.18787	0.00937	0
chr15	1.02E+08	1.02E+08	639	627	1.02E+08	0.223314	0.002423	0
chr15	1.02E+08	1.02E+08	653	647	1.02E+08	0.20928	0.004136	0
chr15	1.02E+08	1.03E+08	15	23	1.02E+08	-0.42071	1.20E-07	0
chr15	1.03E+08	1.03E+08	11	15	1.03E+08	-0.2515	0.000863	0
chr15	20200001	20300000	7	9	20250000	-0.16661	0.018434	0
chr15	20250001	20350000	22	23	20300000	0.131833	0.047969	0
chr15	20550001	20650000	876	1106	20600000	-0.14039	0.039102	0
chr15	20950001	21050000	7	9	2.10E+07	-0.16661	0.018434	0
chr15	21000001	21100000	7	9	21050000	-0.16661	0.018434	0
chr15	21150001	21250000	25	32	21200000	-0.16018	0.022351	0
chr15	22450001	22550000	992	1272	22500000	-0.16272	0.020724	0
chr15	22500001	22600000	751	945	22550000	-0.13554	0.044489	0
chr15	22850001	22950000	625	640	22900000	0.161747	0.020561	0
chr15	22900001	23000000	667	696	22950000	0.134562	0.044628	0
chr15	23050001	23150000	280	290	23100000	0.145337	0.03323	0
chr15	23750001	23850000	471	591	23800000	-0.13147	0.049464	0
chr15	23800001	23900000	454	572	23850000	-0.13736	0.042398	0
chr15	23900001	24000000	376	478	23950000	-0.15031	0.029728	0
chr15	24050001	24150000	462	596	24100000	-0.17146	0.015881	0
chr15	24100001	24200000	457	586	24150000	-0.16274	0.020712	0
chr15	24500001	24600000	116	117	24550000	0.183579	0.010241	0
chr15	24900001	25000000	396	504	24950000	-0.15196	0.028373	0
chr15	25100001	25200000	373	482	25150000	-0.17389	0.014717	0
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chr15	26250001	26350000	479	493	26300000	0.154401	0.025608	0
chr15	26300001	26400000	475	486	26350000	0.162934	0.01983	0
chr15	26500001	26600000	414	539	26550000	-0.18469	0.010406	0
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chr15	26750001	26850000	406	518	26800000	-0.15551	0.025624	0
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chr15	27200001	27300000	440	567	27250000	-0.16988	0.016674	0
chr15	27350001	27450000	419	535	27400000	-0.15663	0.024808	0
chr15	28150001	28250000	494	629	28200000	-0.15259	0.027871	0
chr15	28650001	28750000	50	65	28700000	-0.18255	0.011161	0
chr15	29150001	29250000	323	337	29200000	0.134749	0.044407	0
chr15	29200001	29300000	588	607	29250000	0.150083	0.029034	0
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chr15	31050001	31150000	234	244	31100000	0.13559	0.04342	0
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chr15	32200001	32300000	580	728	32250000	-0.13192	0.048887	0
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chr15	34000001	34100000	530	666	34050000	-0.13357	0.046846	0
chr15	34550001	34650000	617	627	34600000	0.172768	0.014584	0
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chr15	36400001	36500000	435	560	36450000	-0.16845	0.017426	0
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chr15	36500001	36600000	388	494	36550000	-0.15249	0.027946	0
chr15	36600001	36700000	424	533	36650000	-0.13411	0.046189	0
chr15	36650001	36750000	435	566	36700000	-0.18382	0.010706	0
chr15	36700001	36800000	473	611	36750000	-0.17337	0.014961	0
chr15	37300001	37400000	603	628	37350000	0.137356	0.041406	0
chr15	37850001	37950000	425	548	37900000	-0.17075	0.016233	0
chr15	38050001	38150000	452	574	38100000	-0.14876	0.031054	0
chr15	38150001	38250000	465	591	38200000	-0.14996	0.030024	0
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chr15	39750001	39850000	600	755	39800000	-0.13555	0.044474	0
chr15	40800001	40900000	666	683	40850000	0.1596	0.021941	0
chr15	41050001	41150000	715	738	41100000	0.150285	0.028865	0
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chr15	42500001	42600000	592	618	42550000	0.133953	0.045357	0
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chr15	53400001	53500000	441	567	53450000	-0.16661	0.018434	0
chr15	53700001	53800000	438	560	53750000	-0.15853	0.023463	0
chr15	54100001	54200000	467	487	54150000	0.135464	0.043567	0
chr15	54550001	54650000	452	574	54600000	-0.14876	0.031054	0
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chr15	55200001	55300000	438	555	55250000	-0.14559	0.033921	0
chr15	55350001	55450000	468	481	55400000	0.156435	0.024117	0
chr15	55600001	55700000	553	578	55650000	0.132173	0.047542	0
chr15	56200001	56300000	552	569	56250000	0.152203	0.027307	0
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chr15	57350001	57450000	538	681	57400000	-0.14409	0.035359	0
chr15	57500001	57600000	562	706	57550000	-0.13314	0.047375	0
chr15	58150001	58250000	576	730	58200000	-0.14586	0.033668	0
chr15	58350001	58450000	539	678	58400000	-0.13504	0.045079	0
chr15	59650001	59750000	668	697	59700000	0.134652	0.044521	0
chr15	59950001	60050000	624	640	6.00E+07	0.159437	0.022048	0
chr15	60100001	60200000	554	695	60150000	-0.13116	0.049853	0
chr15	60550001	60650000	587	740	60600000	-0.1382	0.041459	0
chr15	60600001	60700000	674	685	60650000	0.172608	0.014659	0
chr15	60650001	60750000	653	668	60700000	0.163198	0.019671	0
chr15	61200001	61300000	539	678	61250000	-0.13504	0.045079	0
chr15	61550001	61650000	495	631	61600000	-0.15425	0.026574	0
chr15	61850001	61950000	512	647	61900000	-0.14166	0.037779	0
chr15	62600001	62700000	610	616	62650000	0.181842	0.010852	0
chr15	63250001	63350000	720	729	63300000	0.178041	0.012299	0

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chr15	63500001	63600000	658	677	63550000	0.154895	0.025239	0
chr15	63750001	63850000	714	732	63800000	0.160043	0.021649	0
chr15	64300001	64400000	704	734	64350000	0.135758	0.043225	0
chr15	64700001	64800000	652	675	64750000	0.145947	0.032663	0
chr15	65050001	65150000	634	648	65100000	0.164452	0.018928	0
chr15	65250001	65350000	677	684	65300000	0.181123	0.011114	0
chr15	65350001	65450000	710	720	65400000	0.175785	0.013236	0
chr15	66200001	66300000	739	770	66250000	0.136679	0.042169	0
chr15	66450001	66550000	738	745	66500000	0.182343	0.010672	0
chr15	66500001	66600000	766	786	66550000	0.158778	0.022489	0
chr15	66700001	66800000	670	695	66750000	0.143111	0.035364	0
chr15	67800001	67900000	680	693	67850000	0.168642	0.016618	0
chr15	67900001	68000000	520	671	67950000	-0.17184	0.015694	0
chr15	68850001	68950000	734	763	68900000	0.14006	0.03847	0
chr15	71300001	71400000	486	628	71350000	-0.17385	0.01474	0
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chr15	71550001	71650000	649	671	71600000	0.147869	0.030933	0
chr15	71750001	71850000	566	710	71800000	-0.13105	0.049994	0
chr15	71800001	71900000	550	693	71850000	-0.13746	0.042285	0
chr15	72700001	72800000	578	595	72750000	0.154143	0.025803	0
chr15	72800001	72900000	628	634	72850000	0.182245	0.010707	0
chr15	72950001	73050000	542	567	7.30E+07	0.130907	0.049146	0
chr15	73150001	73250000	552	705	73200000	-0.15699	0.024544	0
chr15	73200001	73300000	569	726	73250000	-0.15558	0.025574	0
chr15	73250001	73350000	599	763	73300000	-0.15316	0.027414	0
chr15	73750001	73850000	472	601	73800000	-0.15262	0.027848	0
chr15	73850001	73950000	663	686	73900000	0.146763	0.031919	0
chr15	74600001	74700000	745	777	74650000	0.135289	0.043772	0
chr15	74650001	74750000	821	838	74700000	0.166395	0.017825	0
chr15	74800001	74900000	689	711	74850000	0.150617	0.02859	0
chr15	74850001	74950000	830	862	74900000	0.141387	0.037093	0
chr15	75400001	75500000	694	702	75450000	0.179428	0.011753	0
chr15	75500001	75600000	353	361	75550000	0.163632	0.019411	0
chr15	76150001	76250000	647	668	76200000	0.149881	0.029203	0
chr15	76350001	76450000	572	731	76400000	-0.15789	0.023907	0
chr15	76900001	77000000	263	340	76950000	-0.17451	0.014436	0
chr15	76950001	77050000	338	426	7.70E+07	-0.13787	0.04183	0
chr15	77150001	77250000	623	638	77200000	0.161639	0.020629	0
chr15	78000001	78100000	820	849	78050000	0.145822	0.032779	0
chr15	78200001	78300000	345	352	78250000	0.166984	0.017502	0
chr15	78350001	78450000	725	751	78400000	0.145131	0.033423	0
chr15	78800001	78900000	633	644	78850000	0.171108	0.015375	0
chr15	79100001	79200000	575	590	79150000	0.15881	0.022467	0
chr15	79550001	79650000	617	638	79600000	0.147677	0.031102	0
chr15	79750001	79850000	582	605	79800000	0.140047	0.038484	0

chr15	80850001	80950000	806	813	80900000	0.183488	0.010272	0
chr15	80950001	81050000	719	743	8.10E+07	0.148593	0.030301	0
chr15	81550001	81650000	686	711	81600000	0.144322	0.034189	0
chr15	81950001	82050000	394	406	8.20E+07	0.152679	0.026931	0
chr15	83150001	83250000	265	270	83200000	0.168996	0.016435	0
chr15	83250001	83350000	673	703	83300000	0.133045	0.046461	0
chr15	83300001	83400000	659	684	83350000	0.142245	0.036224	0
chr15	84500001	84600000	458	596	84550000	-0.184	0.010644	0
chr15	85050001	85150000	253	259	85100000	0.162148	0.020312	0
chr15	85750001	85850000	206	209	85800000	0.175104	0.01353	0
chr15	85800001	85900000	482	504	85850000	0.131572	0.048298	0
chr15	86800001	86900000	493	624	86850000	-0.144	0.035447	0
chr15	87150001	87250000	484	615	87200000	-0.14962	0.03032	0
chr15	87200001	87300000	458	576	87250000	-0.13476	0.04541	0
chr15	87500001	87600000	383	495	87550000	-0.17412	0.014613	0
chr15	88000001	88100000	406	522	88050000	-0.16661	0.018434	0
chr15	88900001	89000000	573	719	88950000	-0.13149	0.049432	0
chr15	89500001	89600000	529	548	89550000	0.145055	0.033494	0
chr15	89550001	89650000	607	633	89600000	0.135454	0.043579	0
chr15	89950001	90050000	774	807	9.00E+07	0.135728	0.04326	0
chr15	90300001	90400000	738	750	90350000	0.172693	0.014619	0
chr15	90550001	90650000	755	763	90600000	0.180757	0.011249	0
chr15	90600001	90700000	638	664	90650000	0.138336	0.040322	0
chr15	90800001	90900000	594	610	90850000	0.157617	0.023284	0
chr15	91200001	91300000	652	677	91250000	0.141679	0.036795	0
chr15	91300001	91400000	599	622	91350000	0.141604	0.036871	0
chr15	91500001	91600000	666	697	91550000	0.130327	0.049896	0
chr15	92800001	92900000	649	676	92850000	0.137158	0.041628	0
chr15	93450001	93550000	699	723	93500000	0.14726	0.031473	0
chr15	93550001	93650000	711	719	93600000	0.179821	0.011602	0
chr15	94150001	94250000	451	586	94200000	-0.18181	0.011432	0
chr15	94550001	94650000	519	652	94600000	-0.13317	0.047327	0
chr15	94650001	94750000	446	568	94700000	-0.15288	0.027635	0
chr15	94800001	94900000	463	597	94850000	-0.17076	0.01623	0
chr15	95050001	95150000	497	639	95100000	-0.16661	0.018434	0
chr15	95300001	95400000	432	544	95350000	-0.13661	0.043246	0
chr15	95750001	95850000	470	608	95800000	-0.17545	0.014015	0
chr15	96350001	96450000	241	308	96400000	-0.15793	0.023878	0
chr15	96700001	96800000	446	578	96750000	-0.17806	0.012898	0
chr15	96800001	96900000	649	673	96850000	0.143575	0.03491	0
chr15	97050001	97150000	494	629	97100000	-0.15259	0.027871	0
chr15	97800001	97900000	380	482	97850000	-0.14707	0.03256	0
chr15	98600001	98700000	478	602	98650000	-0.13679	0.043044	0
chr15	99350001	99450000	738	762	99400000	0.149793	0.029277	0
chr15	99400001	99500000	781	795	99450000	0.170331	0.015758	0
chr15	99500001	99600000	615	643	99550000	0.131731	0.048097	0
chr15	99600001	99700000	718	750	99650000	0.133056	0.046447	0

chr15	99650001	99750000	676	701	99700000	0.143572	0.034913	0
chr15	1E+08	1E+08	442	556	1E+08	-0.13508	0.045033	0
chr15	1.01E+08	1.01E+08	461	589	1.01E+08	-0.15754	0.024157	0
chr15	1.01E+08	1.01E+08	581	747	1.01E+08	-0.16661	0.018434	0
chr15	1.02E+08	1.02E+08	680	696	1.02E+08	0.16241	0.02015	0
chr16	50001	150000	737	729	1.00E+05	0.211709	0.003778	0
chr16	100001	200000	1084	1036	150000	0.261304	0.000495	0
chr16	250001	350000	1023	991	3.00E+05	0.241812	0.001148	0
chr16	350001	450000	1091	1097	4.00E+05	0.188051	0.008805	0
chr16	400001	500000	1069	983	450000	0.316962	3.34E-05	0
chr16	450001	550000	941	874	5.00E+05	0.302524	7.02E-05	0
chr16	500001	600000	1068	986	550000	0.311215	4.51E-05	0
chr16	550001	650000	1240	1145	6.00E+05	0.310956	4.57E-05	0
chr16	600001	700000	1231	1111	650000	0.343935	7.75E-06	0
chr16	650001	750000	1312	1153	7.00E+05	0.382338	8.13E-07	0
chr16	700001	800000	1425	1145	750000	0.511577	9.91E-11	0
chr16	750001	850000	1371	1082	8.00E+05	0.537491	1.27E-11	0
chr16	800001	900000	1284	1164	850000	0.337517	1.11E-05	0
chr16	850001	950000	1200	1201	9.00E+05	0.194761	0.006982	0
chr16	1100001	1200000	1341	1285	1150000	0.257504	0.000586	0
chr16	1150001	1250000	1398	1300	1200000	0.300816	7.65E-05	0
chr16	1200001	1300000	1102	1060	1250000	0.252023	0.000744	0
chr16	1250001	1350000	886	882	1300000	0.202491	0.005303	0
chr16	1300001	1400000	1118	1040	1350000	0.3003	7.85E-05	0
chr16	1350001	1450000	1187	1114	1400000	0.287534	0.000147	0
chr16	1400001	1500000	1136	1090	1450000	0.255598	0.000637	0
chr16	1450001	1550000	1197	1121	1500000	0.2906	0.000127	0
chr16	1500001	1600000	1140	1146	1550000	0.18839	0.008704	0
chr16	1700001	1800000	1103	1109	1750000	0.188136	0.00878	0
chr16	1750001	1850000	1185	1096	1800000	0.308602	5.15E-05	0
chr16	1800001	1900000	1095	1065	1850000	0.23604	0.001457	0
chr16	1900001	2000000	981	940	1950000	0.257555	0.000585	0
chr16	1950001	2050000	1210	1057	2.00E+06	0.390995	4.76E-07	0
chr16	2000001	2100000	1227	1092	2050000	0.364125	2.43E-06	0
chr16	2050001	2150000	1214	1172	2100000	0.246759	0.000932	0
chr16	2100001	2200000	794	772	2150000	0.236501	0.001429	0
chr16	2150001	2250000	886	846	2200000	0.262612	0.000467	0
chr16	2200001	2300000	1298	1150	2250000	0.37062	1.65E-06	0
chr16	2250001	2350000	1128	986	2300000	0.390071	5.04E-07	0
chr16	2300001	2400000	1001	972	2350000	0.238377	0.001323	0
chr16	2450001	2550000	1080	1070	2500000	0.209384	0.00412	0
chr16	2500001	2600000	1073	1038	2550000	0.243807	0.001056	0
chr16	2550001	2650000	632	630	2600000	0.200536	0.00569	0
chr16	2600001	2700000	258	248	2650000	0.252994	0.000713	0
chr16	2650001	2750000	320	290	2700000	0.337982	1.08E-05	0
chr16	2800001	2900000	1291	1208	2850000	0.291832	0.000119	0
chr16	2850001	2950000	1142	1049	2900000	0.318511	3.08E-05	0

chr16	2900001	3000000	996	952	2950000	0.261147	0.000499	0
chr16	2950001	3050000	1116	1094	3.00E+06	0.224687	0.002296	0
chr16	3000001	3100000	1224	1166	3050000	0.265999	0.000401	0
chr16	3050001	3150000	1026	988	3100000	0.250411	0.000797	0
chr16	3100001	3200000	1043	1009	3150000	0.243776	0.001057	0
chr16	3150001	3250000	1103	1065	3200000	0.246542	0.00094	0
chr16	3250001	3350000	991	989	3300000	0.198878	0.006037	0
chr16	3550001	3650000	1049	1057	3600000	0.185002	0.009763	0
chr16	3650001	3750000	1008	1010	3700000	0.193103	0.007399	0
chr16	3700001	3800000	994	964	3750000	0.240176	0.001228	0
chr16	4150001	4250000	971	977	4200000	0.187076	0.009102	0
chr16	4250001	4350000	1035	1020	4300000	0.217025	0.00309	0
chr16	4300001	4400000	1086	994	4350000	0.323669	2.35E-05	0
chr16	4350001	4450000	1190	1130	4400000	0.270602	0.000325	0
chr16	4400001	4500000	1080	1065	4450000	0.216141	0.003196	0
chr16	4450001	4550000	980	952	4500000	0.237783	0.001356	0
chr16	4500001	4600000	1076	1034	4550000	0.253405	0.000701	0
chr16	4650001	4750000	1159	1034	4700000	0.360607	2.99E-06	0
chr16	4700001	4800000	1173	1065	4750000	0.335313	1.25E-05	0
chr16	4950001	5050000	1032	998	5.00E+06	0.244294	0.001034	0
chr16	5950001	6050000	666	895	6.00E+06	-0.2304	0.00202	0
chr16	6050001	6150000	688	902	6100000	-0.19476	0.007429	0
chr16	11400001	11500000	1016	983	11450000	0.2436	0.001065	0
chr16	11800001	11900000	999	982	11850000	0.220725	0.00268	0
chr16	11850001	11950000	905	901	11900000	0.202354	0.00533	0
chr16	11900001	12000000	847	834	11950000	0.218278	0.002945	0
chr16	11950001	12050000	706	691	1.20E+07	0.226946	0.0021	0
chr16	14750001	14850000	226	298	14800000	-0.20303	0.005575	0
chr16	14800001	14900000	4	8	14850000	-0.80404	3.29E-21	0
chr16	14850001	14950000	16	24	14900000	-0.389	8.31E-07	0
chr16	14900001	15000000	35	35	14950000	0.195963	0.006694	0
chr16	14950001	15050000	66	47	1.50E+07	0.685768	2.34E-17	0
chr16	15000001	15100000	291	270	15050000	0.304023	6.51E-05	0
chr16	15150001	15250000	209	200	15200000	0.259466	0.000537	0
chr16	15250001	15350000	46	34	15300000	0.632062	3.65E-15	0
chr16	15300001	15400000	27	21	15350000	0.558533	2.25E-12	0
chr16	15350001	15450000	21	28	15400000	-0.21907	0.003112	0
chr16	15650001	15750000	993	938	15700000	0.278169	0.000229	0
chr16	15700001	15800000	970	911	15750000	0.286497	0.000154	0
chr16	16100001	16200000	994	970	16150000	0.231224	0.001771	0
chr16	16150001	16250000	1009	1011	16200000	0.193106	0.007398	0
chr16	16300001	16400000	25	20	16350000	0.517891	6.05E-11	0
chr16	16350001	16450000	4	7	16400000	-0.61139	1.08E-13	0
chr16	16400001	16500000	3	4	16450000	-0.21907	0.003112	0
chr16	16450001	16550000	9	7	16500000	0.558533	2.25E-12	0
chr16	16500001	16600000	11	11	16550000	0.195963	0.006694	0
chr16	16550001	16650000	30	24	16600000	0.517891	6.05E-11	0

chr16	16600001	16700000	74	67	16650000	0.339327	1.00E-05	0
chr16	16650001	16750000	124	163	16700000	-0.19857	0.006515	0
chr16	16700001	16800000	80	124	16750000	-0.43631	4.46E-08	0
chr16	16750001	16850000	6	12	16800000	-0.80404	3.29E-21	0
chr16	17900001	18000000	705	925	17950000	-0.19587	0.007151	0
chr16	18600001	18700000	39	36	18650000	0.31144	4.46E-05	0
chr16	18650001	18750000	27	15	18700000	1.04396	1.94E-34	0
chr16	18700001	18800000	115	107	18750000	0.299986	7.97E-05	0
chr16	18750001	18850000	495	490	18800000	0.21061	0.003936	0
chr16	18800001	18900000	615	614	18850000	0.198311	0.00616	0
chr16	18850001	18950000	359	351	18900000	0.228476	0.001977	0
chr16	18900001	19000000	518	483	18950000	0.296892	9.30E-05	0
chr16	19050001	19150000	997	984	19100000	0.214898	0.00335	0
chr16	19100001	19200000	1077	1041	19150000	0.245011	0.001003	0
chr16	20450001	20550000	163	236	20500000	-0.33795	1.45E-05	0
chr16	20500001	20600000	180	241	20550000	-0.22507	0.002481	0
chr16	21300001	21400000	463	463	21350000	0.195963	0.006694	0
chr16	21400001	21500000	8	2	21450000	2.195963	8.22E-92	0
chr16	21450001	21550000	114	103	21500000	0.342353	8.47E-06	0
chr16	21550001	21650000	906	907	21600000	0.194372	0.007078	0
chr16	21750001	21850000	44	37	21800000	0.445941	1.26E-08	0
chr16	21800001	21900000	32	27	21850000	0.441076	1.76E-08	0
chr16	22300001	22400000	1055	1014	22350000	0.253148	0.000709	0
chr16	22350001	22450000	828	781	22400000	0.280271	0.000208	0
chr16	22400001	22500000	331	329	22450000	0.204707	0.004893	0
chr16	22450001	22550000	8	8	22500000	0.195963	0.006694	0
chr16	22500001	22600000	27	40	22550000	-0.37108	2.35E-06	0
chr16	23450001	23550000	922	901	23500000	0.229203	0.00192	0
chr16	23500001	23600000	963	937	23550000	0.23545	0.001492	0
chr16	24200001	24300000	981	964	24250000	0.221183	0.002633	0
chr16	26150001	26250000	668	908	26200000	-0.24688	0.001045	0
chr16	26200001	26300000	662	904	26250000	-0.25353	0.000793	0
chr16	26800001	26900000	729	951	26850000	-0.18756	0.009465	0
chr16	26850001	26950000	707	924	26900000	-0.19022	0.008662	0
chr16	28300001	28400000	444	446	28350000	0.189479	0.008386	0
chr16	28350001	28450000	3	5	28400000	-0.541	2.84E-11	0
chr16	28450001	28550000	662	662	28500000	0.195963	0.006694	0
chr16	28650001	28750000	6	3	28700000	1.195963	1.84E-42	0
chr16	28700001	28800000	4	2	28750000	1.195963	1.84E-42	0
chr16	28800001	28900000	779	706	28850000	0.337918	1.08E-05	0
chr16	28850001	28950000	992	925	28900000	0.29685	9.31E-05	0
chr16	29100001	29200000	252	242	29150000	0.25438	0.000672	0
chr16	29150001	29250000	263	234	29200000	0.364517	2.37E-06	0
chr16	29200001	29300000	200	196	29250000	0.225109	0.002258	0
chr16	29350001	29450000	42	39	29400000	0.302878	6.89E-05	0
chr16	29400001	29500000	27	22	29450000	0.491419	4.64E-10	0
chr16	29450001	29550000	7	10	29500000	-0.31861	3.93E-05	0

chr16	29500001	29600000	15	23	29550000	-0.42071	1.20E-07	0
chr16	29800001	29900000	1072	1074	29850000	0.193274	0.007355	0
chr16	29900001	30000000	992	981	29950000	0.21205	0.00373	0
chr16	29950001	30050000	1087	1035	3.00E+07	0.266684	0.000389	0
chr16	30000001	30100000	1112	1117	30050000	0.189491	0.008382	0
chr16	30050001	30150000	1052	1035	30100000	0.219467	0.002813	0
chr16	30200001	30300000	3	12	30250000	-1.80404	2.39E-66	0
chr16	30400001	30500000	925	911	30450000	0.217965	0.002981	0
chr16	30500001	30600000	948	887	30550000	0.291916	0.000119	0
chr16	30550001	30650000	932	848	30600000	0.332229	1.48E-05	0
chr16	30600001	30700000	927	918	30650000	0.210038	0.004021	0
chr16	30700001	30800000	1126	1113	30750000	0.212716	0.003638	0
chr16	30750001	30850000	1024	1029	30800000	0.188936	0.008543	0
chr16	30800001	30900000	859	843	30850000	0.223089	0.002445	0
chr16	30850001	30950000	973	894	30900000	0.318128	3.15E-05	0
chr16	30900001	31000000	1101	1026	30950000	0.297747	8.91E-05	0
chr16	30950001	31050000	1117	1049	3.10E+07	0.286578	0.000154	0
chr16	31000001	31100000	1049	999	31050000	0.266421	0.000394	0
chr16	31050001	31150000	1029	998	31100000	0.240094	0.001233	0
chr16	31100001	31200000	986	975	31150000	0.212148	0.003716	0
chr16	31150001	31250000	947	954	31200000	0.185338	0.009653	0
chr16	31450001	31550000	987	952	31500000	0.248052	0.000882	0
chr16	32000001	32100000	27	41	32050000	-0.4067	2.87E-07	0
chr16	32050001	32150000	26	52	32100000	-0.80404	3.29E-21	0
chr16	32100001	32200000	33	48	32150000	-0.34461	1.02E-05	0
chr16	32150001	32250000	22	22	32200000	0.195963	0.006694	0
chr16	32200001	32300000	32	31	32250000	0.241767	0.00115	0
chr16	32250001	32350000	42	34	32300000	0.500818	2.27E-10	0
chr16	32350001	32450000	55	78	32400000	-0.30808	6.62E-05	0
chr16	32400001	32500000	76	102	32450000	-0.22853	0.002172	0
chr16	32750001	32850000	57	55	32800000	0.247493	0.000903	0
chr16	32850001	32950000	29	28	32900000	0.246589	0.000939	0
chr16	32900001	33000000	16	14	32950000	0.388608	5.52E-07	0
chr16	33350001	33450000	89	126	33400000	-0.30558	7.48E-05	0
chr16	33400001	33500000	87	132	33450000	-0.40549	3.09E-07	0
chr16	33450001	33550000	122	189	33500000	-0.43554	4.68E-08	0
chr16	33500001	33600000	196	274	33550000	-0.28736	0.000178	0
chr16	33600001	33700000	154	202	33650000	-0.19546	0.007252	0
chr16	33750001	33850000	68	64	33800000	0.283426	0.000179	0
chr16	34000001	34100000	221	307	34050000	-0.27823	0.00027	0
chr16	34200001	34300000	555	729	34250000	-0.19747	0.006768	0
chr16	34250001	34350000	484	683	34300000	-0.30092	9.38E-05	0
chr16	34300001	34400000	432	585	34350000	-0.24144	0.001304	0
chr16	35000001	35100000	544	719	35050000	-0.20642	0.004942	0
chr16	35050001	35150000	527	692	35100000	-0.19701	0.006877	0
chr16	46800001	46900000	904	909	46850000	0.188006	0.008819	0
chr16	47200001	47300000	650	849	47250000	-0.18936	0.008915	0

chr16	47900001	48000000	727	955	47950000	-0.19758	0.006741	0
chr16	48850001	48950000	782	1040	48900000	-0.21538	0.00357	0
chr16	48900001	49000000	752	992	48950000	-0.20364	0.005455	0
chr16	51400001	51500000	638	844	51450000	-0.20772	0.004717	0
chr16	52300001	52400000	599	808	52350000	-0.23584	0.001632	0
chr16	52350001	52450000	598	788	52400000	-0.20209	0.005762	0
chr16	53450001	53550000	823	827	53500000	0.188968	0.008534	0
chr16	56600001	56700000	1007	980	56650000	0.235173	0.001509	0
chr16	56650001	56750000	1035	986	56700000	0.265934	0.000402	0
chr16	57300001	57400000	994	993	57350000	0.197415	0.006359	0
chr16	57350001	57450000	1020	988	57400000	0.241949	0.001141	0
chr16	57550001	57650000	1131	1105	57600000	0.229516	0.001896	0
chr16	57600001	57700000	1239	1178	57650000	0.2688	0.000353	0
chr16	57700001	57800000	1203	1195	57750000	0.205589	0.004738	0
chr16	57750001	57850000	1226	1216	57800000	0.207779	0.004372	0
chr16	58600001	58700000	808	814	58650000	0.18529	0.009669	0
chr16	59450001	59550000	571	790	59500000	-0.2724	0.000351	0
chr16	59500001	59600000	521	681	59550000	-0.19041	0.008607	0
chr16	59700001	59800000	567	781	59750000	-0.26601	0.000465	0
chr16	59750001	59850000	542	714	59800000	-0.20167	0.005848	0
chr16	60050001	60150000	564	778	60100000	-0.26811	0.000424	0
chr16	60100001	60200000	546	736	60150000	-0.23484	0.001698	0
chr16	60600001	60700000	616	832	60650000	-0.23769	0.001516	0
chr16	60650001	60750000	614	802	60700000	-0.1894	0.008903	0
chr16	60850001	60950000	541	710	60900000	-0.19623	0.007064	0
chr16	61100001	61200000	597	797	61150000	-0.22089	0.002908	0
chr16	61150001	61250000	604	837	61200000	-0.27472	0.000317	0
chr16	61200001	61300000	601	808	61250000	-0.23103	0.001972	0
chr16	62350001	62450000	595	778	62400000	-0.19092	0.008461	0
chr16	62700001	62800000	607	801	62750000	-0.20414	0.005359	0
chr16	62750001	62850000	591	816	62800000	-0.26945	0.0004	0
chr16	62800001	62900000	608	807	62850000	-0.21253	0.003963	0
chr16	63300001	63400000	597	779	63350000	-0.18793	0.009351	0
chr16	63900001	64000000	610	811	63950000	-0.21493	0.00363	0
chr16	63950001	64050000	603	824	6.40E+07	-0.25452	0.000761	0
chr16	64100001	64200000	552	732	64150000	-0.21121	0.004159	0
chr16	64400001	64500000	571	787	64450000	-0.26691	0.000447	0
chr16	64450001	64550000	570	763	64500000	-0.22476	0.002511	0
chr16	65700001	65800000	670	874	65750000	-0.18751	0.009482	0
chr16	65800001	65900000	687	914	65850000	-0.21592	0.003499	0
chr16	66500001	66600000	1071	1056	66550000	0.216312	0.003175	0
chr16	66900001	67000000	1095	1079	66950000	0.217199	0.003069	0
chr16	67000001	67100000	970	977	67050000	0.185589	0.009572	0
chr16	67050001	67150000	932	929	67100000	0.200614	0.005674	0
chr16	67150001	67250000	1156	1138	67200000	0.218604	0.002908	0
chr16	67200001	67300000	1189	1121	67250000	0.280925	0.000201	0
chr16	67250001	67350000	1136	1121	67300000	0.21514	0.00332	0



chr16	67600001	67700000	963	925	67650000	0.254045	0.000682	0
chr16	67800001	67900000	945	930	67850000	0.219047	0.002859	0
chr16	67850001	67950000	1038	994	67900000	0.258452	0.000562	0
chr16	67900001	68000000	1186	1076	67950000	0.336389	1.18E-05	0
chr16	67950001	68050000	1138	1069	6.80E+07	0.286202	0.000157	0
chr16	68000001	68100000	994	967	68050000	0.235693	0.001477	0
chr16	68050001	68150000	975	947	68100000	0.238001	0.001344	0
chr16	68200001	68300000	962	966	68250000	0.189977	0.008244	0
chr16	68300001	68400000	1125	1101	68350000	0.227074	0.00209	0
chr16	68500001	68600000	991	986	68550000	0.20326	0.005158	0
chr16	69150001	69250000	939	935	69200000	0.202122	0.005374	0
chr16	69350001	69450000	1324	1294	69400000	0.229029	0.001934	0
chr16	69700001	69800000	901	903	69750000	0.192764	0.007486	0
chr16	69750001	69850000	874	869	69800000	0.20424	0.004977	0
chr16	70100001	70200000	241	239	70150000	0.207986	0.004339	0
chr16	70200001	70300000	213	214	70250000	0.189206	0.008465	0
chr16	70350001	70450000	895	858	70400000	0.256873	0.000602	0
chr16	70400001	70500000	987	913	70450000	0.308398	5.21E-05	0
chr16	70450001	70550000	1016	951	70500000	0.291346	0.000122	0
chr16	70650001	70750000	1072	1040	70700000	0.239684	0.001254	0
chr16	70700001	70800000	1280	1277	70750000	0.199348	0.005937	0
chr16	71450001	71550000	1029	1035	71500000	0.187575	0.008949	0
chr16	71850001	71950000	944	884	71900000	0.290704	0.000126	0
chr16	71900001	72000000	884	845	71950000	0.261058	0.000501	0
chr16	73050001	73150000	1086	1055	73100000	0.237744	0.001358	0
chr16	74400001	74500000	343	339	74450000	0.212886	0.003615	0
chr16	74700001	74800000	1036	997	74750000	0.251322	0.000767	0
chr16	75250001	75350000	1087	1041	75300000	0.258345	0.000565	0
chr16	75500001	75600000	868	861	75550000	0.207645	0.004394	0
chr16	78300001	78400000	596	790	78350000	-0.21058	0.004256	0
chr16	80100001	80200000	708	926	80150000	-0.1913	0.008353	0
chr16	80900001	81000000	979	985	80950000	0.187148	0.00908	0
chr16	80950001	81050000	1016	991	8.10E+07	0.231906	0.001723	0
chr16	81000001	81100000	982	974	81050000	0.207764	0.004374	0
chr16	81050001	81150000	966	895	81100000	0.306099	5.86E-05	0
chr16	81100001	81200000	918	900	81150000	0.224532	0.00231	0
chr16	81950001	82050000	770	1004	8.20E+07	-0.18687	0.009687	0
chr16	83350001	83450000	720	947	83400000	-0.1994	0.006329	0
chr16	83450001	83550000	761	1005	83500000	-0.20526	0.00515	0
chr16	83500001	83600000	757	991	83550000	-0.19263	0.007986	0
chr16	84500001	84600000	1007	1010	84550000	0.191671	0.007776	0
chr16	84650001	84750000	1056	1042	84700000	0.215218	0.00331	0
chr16	84700001	84800000	1015	1015	84750000	0.195963	0.006694	0
chr16	84800001	84900000	1110	1068	84850000	0.251611	0.000757	0
chr16	84850001	84950000	1077	1050	84900000	0.232592	0.001676	0
chr16	84900001	85000000	1065	1063	84950000	0.198675	0.006081	0
chr16	85150001	85250000	1264	1192	85200000	0.280575	0.000205	0

chr16	85200001	85300000	1318	1241	85250000	0.28281	0.000184	0
chr16	85350001	85450000	1194	1159	85400000	0.238885	0.001296	0
chr16	85400001	85500000	1217	1162	85450000	0.262682	0.000466	0
chr16	85450001	85550000	1247	1206	85500000	0.244195	0.001039	0
chr16	85550001	85650000	1317	1251	85600000	0.270137	0.000332	0
chr16	85600001	85700000	1332	1276	85650000	0.257929	0.000575	0
chr16	85700001	85800000	1131	1118	85750000	0.212642	0.003648	0
chr16	86050001	86150000	1098	1097	86100000	0.197278	0.00639	0
chr16	86100001	86200000	1063	1049	86150000	0.21509	0.003326	0
chr16	86500001	86600000	1178	1130	86550000	0.25598	0.000626	0
chr16	86550001	86650000	1128	1117	86600000	0.210101	0.004012	0
chr16	86950001	87050000	1174	1171	8.70E+07	0.199654	0.005872	0
chr16	87400001	87500000	1019	1022	87450000	0.191722	0.007762	0
chr16	88300001	88400000	975	941	88350000	0.247171	0.000916	0
chr16	88350001	88450000	680	651	88400000	0.25884	0.000552	0
chr16	88450001	88550000	1334	1290	88500000	0.244351	0.001032	0
chr16	88500001	88600000	1360	1315	88550000	0.244507	0.001025	0
chr16	88550001	88650000	1262	1252	88600000	0.20744	0.004427	0
chr16	88600001	88700000	1123	1131	88650000	0.185722	0.009529	0
chr16	88650001	88750000	1150	1154	88700000	0.190954	0.007971	0
chr16	88700001	88800000	1311	1241	88750000	0.275128	0.000264	0
chr16	88750001	88850000	1334	1300	88800000	0.23321	0.001634	0
chr16	88800001	88900000	1226	1204	88850000	0.222087	0.002542	0
chr16	88950001	89050000	1330	1319	8.90E+07	0.207945	0.004345	0
chr16	89050001	89150000	1206	1209	89100000	0.192379	0.007587	0
chr16	89100001	89200000	1217	1188	89150000	0.230757	0.001804	0
chr16	89300001	89400000	1085	1093	89350000	0.185365	0.009645	0
chr16	89350001	89450000	1207	1137	89400000	0.282156	0.00019	0
chr16	89550001	89650000	1127	1019	89600000	0.341296	8.98E-06	0
chr16	89600001	89700000	1155	1067	89650000	0.310296	4.73E-05	0
chr16	89650001	89750000	1027	1015	89700000	0.212919	0.00361	0
chr16	89700001	89800000	1076	1053	89750000	0.227136	0.002085	0
chr16	89750001	89850000	1049	1047	89800000	0.198716	0.006072	0
chr16	89800001	89900000	927	901	89850000	0.237005	0.0014	0
chr16	89850001	89950000	950	864	89900000	0.332859	1.43E-05	0
chr16	89900001	90000000	1032	955	89950000	0.307833	5.36E-05	0
chr16	89950001	90050000	1068	1048	9.00E+07	0.223236	0.002431	0
chr16	90100001	90200000	476	469	90150000	0.217337	0.003053	0
chr16	90200001	90300000	5	9	90250000	-0.65203	3.56E-15	0
chr16	90250001	90350000	1	4	90300000	-1.80404	2.39E-66	0
chr16	150001	250000	865	898	2.00E+05	0.141948	0.036523	0
chr16	300001	400000	1065	1096	350000	0.154569	0.025483	0
chr16	1000001	1100000	1239	1284	1050000	0.144494	0.034025	0
chr16	1050001	1150000	1296	1323	1100000	0.166216	0.017925	0
chr16	2750001	2850000	1273	1310	2800000	0.154629	0.025438	0
chr16	3200001	3300000	977	1008	3250000	0.150898	0.028359	0
chr16	3300001	3400000	904	942	3350000	0.136559	0.042306	0

chr16	3500001	3600000	1016	1037	3550000	0.166448	0.017796	0
chr16	3600001	3700000	1008	1036	3650000	0.156435	0.024117	0
chr16	3950001	4050000	901	931	4.00E+06	0.148709	0.0302	0
chr16	4100001	4200000	960	983	4150000	0.161806	0.020524	0
chr16	4200001	4300000	1021	1062	4250000	0.139162	0.039426	0
chr16	4750001	4850000	959	994	4800000	0.144248	0.03426	0
chr16	4900001	5000000	1110	1144	4950000	0.152436	0.027123	0
chr16	5000001	5100000	1014	1045	5050000	0.152518	0.027058	0
chr16	5050001	5150000	867	906	5100000	0.132484	0.047154	0
chr16	5100001	5200000	478	490	5150000	0.160192	0.021553	0
chr16	6000001	6100000	704	915	6050000	-0.18223	0.011276	0
chr16	6200001	6300000	653	842	6250000	-0.17077	0.016221	0
chr16	6300001	6400000	687	875	6350000	-0.15301	0.027535	0
chr16	7050001	7150000	651	832	7100000	-0.15796	0.023858	0
chr16	8000001	8100000	661	836	8050000	-0.14289	0.036535	0
chr16	8950001	9050000	1014	1043	9.00E+06	0.155282	0.024953	0
chr16	9100001	9200000	865	905	9150000	0.130745	0.049354	0
chr16	9900001	10000000	770	982	9950000	-0.1549	0.026078	0
chr16	10350001	10450000	618	639	10400000	0.147754	0.031034	0
chr16	10650001	10750000	1013	1042	10700000	0.155242	0.024982	0
chr16	11750001	11850000	1062	1085	11800000	0.165052	0.018582	0
chr16	12350001	12450000	908	1150	12400000	-0.14491	0.03457	0
chr16	12500001	12600000	896	932	12550000	0.139132	0.039458	0
chr16	12600001	12700000	766	967	12650000	-0.14021	0.039289	0
chr16	14300001	14400000	983	1005	14350000	0.164031	0.019175	0
chr16	15100001	15200000	493	512	15150000	0.141407	0.037072	0
chr16	15200001	15300000	62	63	15250000	0.172879	0.014532	0
chr16	15450001	15550000	451	468	15500000	0.142582	0.035887	0
chr16	15500001	15600000	815	836	15550000	0.15926	0.022166	0
chr16	15750001	15850000	930	968	15800000	0.138187	0.040486	0
chr16	16000001	16100000	860	885	16050000	0.154622	0.025442	0
chr16	16050001	16150000	931	943	16100000	0.177486	0.012524	0
chr16	17050001	17150000	675	858	17100000	-0.15013	0.029887	0
chr16	17200001	17300000	874	914	17250000	0.131402	0.048514	0
chr16	17850001	17950000	704	907	17900000	-0.16956	0.016838	0
chr16	18150001	18250000	185	191	18200000	0.149916	0.029174	0
chr16	18950001	19050000	735	755	1.90E+07	0.157231	0.023553	0
chr16	19000001	19100000	831	861	19050000	0.144798	0.033736	0
chr16	19150001	19250000	1025	1066	19200000	0.13938	0.039193	0
chr16	19300001	19400000	944	972	19350000	0.153794	0.026069	0
chr16	19350001	19450000	870	882	19400000	0.1762	0.013059	0
chr16	19500001	19600000	873	899	19550000	0.153624	0.026199	0
chr16	20000001	20100000	808	1018	20050000	-0.13735	0.042412	0
chr16	20050001	20150000	795	1012	20100000	-0.15222	0.028164	0
chr16	20100001	20200000	774	974	20150000	-0.13563	0.044387	0
chr16	20150001	20250000	775	976	20200000	-0.13672	0.043121	0
chr16	21350001	21450000	56	58	21400000	0.145337	0.03323	0

chr16	21500001	21600000	584	594	21550000	0.171468	0.0152	0
chr16	21650001	21750000	714	908	21700000	-0.15081	0.029319	0
chr16	21850001	21950000	33	34	21900000	0.152894	0.026763	0
chr16	23250001	23350000	774	976	23300000	-0.13858	0.041037	0
chr16	23550001	23650000	873	902	23600000	0.148817	0.030107	0
chr16	24500001	24600000	878	910	24550000	0.144317	0.034194	0
chr16	25100001	25200000	871	887	25150000	0.169702	0.016074	0
chr16	25300001	25400000	699	888	25350000	-0.1493	0.030588	0
chr16	25350001	25450000	692	885	25400000	-0.15894	0.023183	0
chr16	25700001	25800000	756	949	25750000	-0.13206	0.048715	0
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chr16	26000001	26100000	685	879	26050000	-0.1638	0.020068	0
chr16	26100001	26200000	642	818	26150000	-0.15356	0.027101	0
chr16	26250001	26350000	670	859	26300000	-0.16253	0.020842	0
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chr16	27150001	27250000	1041	1057	27200000	0.173958	0.014039	0
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chr16	28100001	28200000	1059	1106	28150000	0.133314	0.046132	0
chr16	28200001	28300000	877	913	28250000	0.137925	0.040774	0
chr16	28250001	28350000	904	934	28300000	0.148863	0.030067	0
chr16	28500001	28600000	923	950	28550000	0.154366	0.025635	0
chr16	28750001	28850000	253	256	28800000	0.178957	0.011936	0
chr16	28900001	29000000	930	968	28950000	0.138187	0.040486	0
chr16	29000001	29100000	367	383	29050000	0.134399	0.044823	0
chr16	29250001	29350000	226	230	29300000	0.170652	0.015599	0
chr16	29300001	29400000	165	167	29350000	0.178581	0.012084	0
chr16	29600001	29700000	438	449	29650000	0.160178	0.021561	0
chr16	29750001	29850000	966	981	29800000	0.173733	0.01414	0
chr16	30250001	30350000	38	49	30300000	-0.17082	0.016198	0
chr16	30350001	30450000	979	992	30400000	0.176932	0.012752	0
chr16	30450001	30550000	896	906	30500000	0.179951	0.011552	0
chr16	30650001	30750000	1007	1026	30700000	0.168996	0.016435	0
chr16	31300001	31400000	818	833	31350000	0.169747	0.016051	0
chr16	31400001	31500000	990	1036	31450000	0.130439	0.04975	0
chr16	32500001	32600000	681	855	32550000	-0.13231	0.048404	0
chr16	32800001	32900000	73	75	32850000	0.156969	0.023737	0
chr16	33150001	33250000	50	65	33200000	-0.18255	0.011161	0
chr16	33200001	33300000	121	156	33250000	-0.17058	0.01632	0
chr16	33300001	33400000	62	63	33350000	0.172879	0.014532	0
chr16	33550001	33650000	273	347	33600000	-0.15007	0.029933	0
chr16	33850001	33950000	922	1189	33900000	-0.17095	0.016134	0
chr16	34100001	34200000	213	272	34150000	-0.15679	0.024689	0
chr16	34150001	34250000	454	574	34200000	-0.1424	0.03703	0
chr16	34450001	34550000	471	594	34500000	-0.13877	0.040831	0
chr16	34600001	34700000	572	732	34650000	-0.15987	0.022561	0

chr16	34650001	34750000	565	710	34700000	-0.13361	0.046799	0
chr16	34750001	34850000	520	655	34800000	-0.13702	0.042782	0
chr16	34850001	34950000	518	657	34900000	-0.14698	0.032644	0
chr16	47700001	47800000	709	893	47750000	-0.13691	0.042905	0
chr16	48350001	48450000	836	864	48400000	0.148435	0.030438	0
chr16	48400001	48500000	829	852	48450000	0.156482	0.024083	0
chr16	48700001	48800000	683	882	48750000	-0.17293	0.015168	0
chr16	48750001	48850000	636	819	48800000	-0.16887	0.0172	0
chr16	48800001	48900000	715	906	48850000	-0.1456	0.033911	0
chr16	48950001	49050000	742	965	4.90E+07	-0.18315	0.010946	0
chr16	49500001	49600000	997	1033	49550000	0.144788	0.033746	0
chr16	49550001	49650000	993	1032	49600000	0.140386	0.038128	0
chr16	51150001	51250000	706	895	51200000	-0.14626	0.033304	0
chr16	51350001	51450000	618	784	51400000	-0.14728	0.032367	0
chr16	51550001	51650000	628	807	51600000	-0.16584	0.018867	0
chr16	51600001	51700000	625	811	51650000	-0.17988	0.012167	0
chr16	51950001	52050000	625	788	5.20E+07	-0.13838	0.041266	0
chr16	52150001	52250000	638	828	52200000	-0.18011	0.012077	0
chr16	52800001	52900000	695	879	52850000	-0.14289	0.036538	0
chr16	52900001	53000000	687	882	52950000	-0.16451	0.019645	0
chr16	53400001	53500000	686	710	53450000	0.146353	0.032292	0
chr16	54300001	54400000	964	984	54350000	0.166338	0.017857	0
chr16	55150001	55250000	814	1025	55200000	-0.13656	0.043306	0
chr16	55600001	55700000	674	858	55650000	-0.15227	0.028127	0
chr16	56700001	56800000	977	1013	56750000	0.143759	0.034731	0
chr16	57400001	57500000	1010	1054	57450000	0.134443	0.04477	0
chr16	57650001	57750000	1226	1263	57700000	0.153067	0.026628	0
chr16	58150001	58250000	1010	1037	58200000	0.157902	0.023086	0
chr16	58500001	58600000	1022	1053	58550000	0.152853	0.026795	0
chr16	58550001	58650000	883	892	58600000	0.181333	0.011036	0
chr16	58950001	59050000	585	748	5.90E+07	-0.15864	0.02339	0
chr16	59000001	59100000	607	779	59050000	-0.16396	0.019968	0
chr16	59100001	59200000	595	762	59150000	-0.16094	0.021856	0
chr16	59150001	59250000	669	869	59200000	-0.18139	0.01159	0
chr16	59200001	59300000	649	826	59250000	-0.15196	0.028373	0
chr16	59550001	59650000	538	691	59600000	-0.16512	0.019286	0
chr16	59600001	59700000	580	741	59650000	-0.15746	0.024213	0
chr16	59650001	59750000	591	753	59700000	-0.15353	0.027129	0
chr16	59850001	59950000	587	759	59900000	-0.17478	0.014315	0
chr16	59900001	60000000	621	781	59950000	-0.13477	0.0454	0
chr16	60000001	60100000	582	754	60050000	-0.17758	0.013097	0
chr16	60550001	60650000	553	699	60600000	-0.14205	0.03738	0
chr16	60900001	61000000	556	715	60950000	-0.1669	0.018273	0
chr16	61250001	61350000	619	784	61300000	-0.14495	0.034528	0
chr16	61300001	61400000	632	818	61350000	-0.17621	0.013679	0
chr16	61350001	61450000	650	824	61400000	-0.14624	0.033318	0
chr16	61450001	61550000	608	780	61500000	-0.16344	0.020284	0

chr16	61500001	61600000	659	827	61550000	-0.13165	0.049238	0
chr16	61650001	61750000	595	749	61700000	-0.13611	0.04382	0
chr16	61700001	61800000	621	809	61750000	-0.18558	0.010106	0
chr16	61750001	61850000	578	750	61800000	-0.17986	0.012176	0
chr16	61800001	61900000	573	720	61850000	-0.1335	0.046929	0
chr16	61850001	61950000	589	752	61900000	-0.1565	0.024897	0
chr16	62050001	62150000	644	817	62100000	-0.14731	0.032341	0
chr16	62200001	62300000	636	825	62250000	-0.1794	0.012355	0
chr16	62250001	62350000	644	811	62300000	-0.13668	0.043171	0
chr16	62300001	62400000	621	802	62350000	-0.17305	0.015114	0
chr16	62400001	62500000	579	732	62450000	-0.14232	0.037109	0
chr16	62650001	62750000	601	756	62700000	-0.13506	0.045054	0
chr16	62900001	63000000	641	813	62950000	-0.14697	0.032653	0
chr16	62950001	63050000	549	701	6.30E+07	-0.15665	0.024793	0
chr16	63050001	63150000	599	752	63100000	-0.13221	0.048521	0
chr16	63250001	63350000	619	781	63300000	-0.13942	0.04013	0
chr16	63350001	63450000	568	731	63400000	-0.16802	0.017657	0
chr16	64150001	64250000	577	735	64200000	-0.15321	0.027378	0
chr16	64350001	64450000	627	802	64400000	-0.15917	0.023025	0
chr16	64750001	64850000	654	840	64800000	-0.16514	0.019275	0
chr16	64800001	64900000	665	853	64850000	-0.16323	0.020413	0
chr16	65150001	65250000	655	853	65200000	-0.18509	0.010272	0
chr16	65200001	65300000	618	786	65250000	-0.15096	0.029191	0
chr16	65250001	65350000	623	787	65300000	-0.14117	0.038284	0
chr16	65450001	65550000	696	874	65500000	-0.13258	0.048059	0
chr16	65550001	65650000	679	872	65600000	-0.16495	0.019381	0
chr16	65600001	65700000	719	921	65650000	-0.16125	0.021657	0
chr16	65650001	65750000	672	867	65700000	-0.17161	0.015807	0
chr16	65750001	65850000	712	909	65800000	-0.15644	0.024942	0
chr16	66450001	66550000	1055	1064	66500000	0.183708	0.010197	0
chr16	66550001	66650000	1100	1109	66600000	0.184207	0.010028	0
chr16	66750001	66850000	917	952	66800000	0.141923	0.036548	0
chr16	66850001	66950000	1027	1071	66900000	0.135441	0.043594	0
chr16	66950001	67050000	1060	1091	6.70E+07	0.154376	0.025627	0
chr16	67100001	67200000	1018	1028	67150000	0.18186	0.010845	0
chr16	67400001	67500000	1176	1221	67450000	0.141788	0.036685	0
chr16	67450001	67550000	1112	1159	67500000	0.136239	0.042671	0
chr16	67650001	67750000	1050	1061	67700000	0.180928	0.011185	0
chr16	67750001	67850000	962	981	67800000	0.167747	0.01709	0
chr16	68150001	68250000	863	902	68200000	0.132196	0.047513	0
chr16	68250001	68350000	1062	1105	68300000	0.1387	0.039925	0
chr16	68350001	68450000	1124	1157	68400000	0.154216	0.025748	0
chr16	69200001	69300000	908	936	69250000	0.152147	0.027352	0
chr16	69600001	69700000	859	876	69650000	0.16769	0.017121	0
chr16	69650001	69750000	854	874	69700000	0.162566	0.020055	0
chr16	69800001	69900000	893	927	69850000	0.142054	0.036416	0
chr16	69950001	70050000	360	375	7.00E+07	0.137069	0.041728	0

chr16	70150001	70250000	204	209	70200000	0.161029	0.021014	0
chr16	70300001	70400000	860	874	70350000	0.172666	0.014631	0
chr16	70500001	70600000	969	990	70550000	0.165031	0.018594	0
chr16	70750001	70850000	1154	1193	70800000	0.148012	0.030807	0
chr16	71300001	71400000	926	969	71350000	0.130479	0.049699	0
chr16	71350001	71450000	1034	1063	71400000	0.156058	0.024388	0
chr16	71400001	71500000	1068	1083	71450000	0.175841	0.013211	0
chr16	71950001	72050000	864	877	7.20E+07	0.174418	0.013833	0
chr16	72450001	72550000	776	1010	72500000	-0.18426	0.010553	0
chr16	73000001	73100000	1103	1115	73050000	0.180352	0.0114	0
chr16	73100001	73200000	985	1016	73150000	0.151258	0.028066	0
chr16	73850001	73950000	814	842	73900000	0.147172	0.031552	0
chr16	74050001	74150000	879	903	74100000	0.1571	0.023645	0
chr16	74150001	74250000	808	1014	74200000	-0.13167	0.04921	0
chr16	74250001	74350000	916	949	74300000	0.144903	0.033638	0
chr16	74650001	74750000	910	933	74700000	0.159952	0.021709	0
chr16	75000001	75100000	861	893	75050000	0.143316	0.035162	0
chr16	75450001	75550000	860	880	75500000	0.162796	0.019914	0
chr16	77100001	77200000	635	812	77150000	-0.15876	0.023307	0
chr16	78250001	78350000	663	844	78300000	-0.15227	0.028123	0
chr16	78350001	78450000	611	769	78400000	-0.13585	0.044128	0
chr16	78900001	79000000	522	656	78950000	-0.13368	0.046704	0
chr16	79350001	79450000	743	952	79400000	-0.16164	0.021407	0
chr16	79400001	79500000	693	896	79450000	-0.17468	0.014358	0
chr16	79950001	80050000	750	963	8.00E+07	-0.16468	0.01954	0
chr16	80150001	80250000	741	937	80200000	-0.14261	0.036812	0
chr16	80300001	80400000	764	961	80350000	-0.135	0.045122	0
chr16	80500001	80600000	907	1150	80550000	-0.1465	0.033084	0
chr16	81400001	81500000	1028	1069	81450000	0.139541	0.03902	0
chr16	82100001	82200000	775	979	82150000	-0.14115	0.038303	0
chr16	82900001	83000000	741	937	82950000	-0.14261	0.036812	0
chr16	82950001	83050000	673	863	8.30E+07	-0.16279	0.020682	0
chr16	83300001	83400000	718	921	83350000	-0.16325	0.020397	0
chr16	83400001	83500000	768	978	83450000	-0.15277	0.027729	0
chr16	83550001	83650000	763	990	83600000	-0.17978	0.012206	0
chr16	83600001	83700000	718	924	83650000	-0.16795	0.017696	0
chr16	83900001	84000000	1093	1124	83950000	0.155614	0.024709	0
chr16	84150001	84250000	1019	1054	84200000	0.147242	0.031489	0
chr16	84200001	84300000	1043	1072	84250000	0.156397	0.024143	0
chr16	84250001	84350000	1103	1148	84300000	0.138273	0.040391	0
chr16	84300001	84400000	1113	1139	84350000	0.162649	0.020004	0
chr16	84450001	84550000	947	984	84500000	0.140669	0.037833	0
chr16	84550001	84650000	1070	1107	84600000	0.146919	0.031779	0
chr16	84750001	84850000	1033	1046	84800000	0.17792	0.012348	0
chr16	85050001	85150000	1039	1071	85100000	0.1522	0.027309	0
chr16	85100001	85200000	1149	1178	85150000	0.160002	0.021676	0
chr16	85250001	85350000	1247	1296	85300000	0.140359	0.038156	0

chr16	85300001	85400000	1244	1266	85350000	0.170672	0.015589	0
chr16	85500001	85600000	1224	1265	85550000	0.148429	0.030443	0
chr16	85750001	85850000	1146	1183	85800000	0.15012	0.029003	0
chr16	86300001	86400000	1072	1100	86350000	0.158764	0.022498	0
chr16	86450001	86550000	1187	1201	86500000	0.179047	0.011901	0
chr16	86700001	86800000	998	1041	86750000	0.135105	0.043987	0
chr16	86900001	87000000	1146	1188	86950000	0.144035	0.034464	0
chr16	87000001	87100000	1073	1113	87050000	0.14316	0.035316	0
chr16	87350001	87450000	1073	1112	87400000	0.144456	0.034061	0
chr16	87800001	87900000	1034	1043	87850000	0.18346	0.010282	0
chr16	87850001	87950000	777	802	87900000	0.150275	0.028873	0
chr16	87900001	88000000	646	671	87950000	0.141184	0.0373	0
chr16	87950001	88050000	765	788	8.80E+07	0.153227	0.026504	0
chr16	88000001	88100000	652	668	88050000	0.160987	0.021041	0
chr16	88050001	88150000	641	656	88100000	0.162592	0.020039	0
chr16	88100001	88200000	475	497	88150000	0.130645	0.049484	0
chr16	88250001	88350000	526	534	88300000	0.174186	0.013936	0
chr16	88400001	88500000	798	808	88450000	0.177996	0.012317	0
chr16	88850001	88950000	1216	1255	88900000	0.150419	0.028754	0
chr16	88900001	89000000	1313	1347	88950000	0.15908	0.022286	0
chr16	89200001	89300000	1153	1170	89250000	0.174847	0.013643	0
chr16	89250001	89350000	1046	1068	89300000	0.165934	0.018082	0
chr16	89400001	89500000	1091	1126	89450000	0.150407	0.028764	0
chr16	89500001	89600000	980	989	89550000	0.182774	0.01052	0
chr16	90050001	90150000	981	1011	90100000	0.152505	0.027068	0
chr17	550001	650000	943	926	6.00E+05	0.222209	0.00253	0
chr17	600001	700000	1001	968	650000	0.244326	0.001033	0
chr17	950001	1050000	945	943	1.00E+06	0.19902	0.006007	0
chr17	1000001	1100000	1002	972	1050000	0.239817	0.001247	0
chr17	1100001	1200000	911	863	1150000	0.274054	0.000278	0
chr17	1150001	1250000	916	851	1200000	0.302152	7.15E-05	0
chr17	1200001	1300000	906	869	1250000	0.256118	0.000623	0
chr17	1250001	1350000	868	826	1300000	0.267516	0.000375	0
chr17	1300001	1400000	1019	876	1350000	0.414114	1.08E-07	0
chr17	1350001	1450000	1178	1027	1400000	0.393866	3.97E-07	0
chr17	1400001	1500000	1082	1027	1450000	0.271227	0.000316	0
chr17	1850001	1950000	1060	975	1900000	0.316553	3.42E-05	0
chr17	1900001	2000000	1171	1117	1950000	0.264075	0.000438	0
chr17	2200001	2300000	1075	1039	2250000	0.245104	0.000999	0
chr17	2250001	2350000	1075	1068	2300000	0.205388	0.004773	0
chr17	2550001	2650000	955	950	2600000	0.203536	0.005106	0
chr17	2600001	2700000	977	983	2650000	0.18713	0.009086	0
chr17	3550001	3650000	1002	967	3600000	0.247258	0.000912	0
chr17	3600001	3700000	947	887	3650000	0.290393	0.000128	0
chr17	3800001	3900000	1111	1093	3850000	0.219528	0.002807	0
chr17	3850001	3950000	1061	1010	3900000	0.267032	0.000383	0
chr17	4150001	4250000	968	935	4200000	0.246004	0.000962	0



chr17	4200001	4300000	902	860	4250000	0.264754	0.000424	0
chr17	4550001	4650000	1008	973	4600000	0.246947	0.000924	0
chr17	4600001	4700000	945	892	4650000	0.279234	0.000218	0
chr17	4800001	4900000	1099	1042	4850000	0.272799	0.000294	0
chr17	4850001	4950000	1069	1057	4900000	0.21225	0.003702	0
chr17	5300001	5400000	1007	960	5350000	0.26492	0.000421	0
chr17	5350001	5450000	970	967	5400000	0.200432	0.005711	0
chr17	5550001	5650000	923	920	5600000	0.20066	0.005665	0
chr17	6850001	6950000	981	964	6900000	0.221183	0.002633	0
chr17	6900001	7000000	1030	993	6950000	0.248742	0.000856	0
chr17	7100001	7200000	1084	1049	7150000	0.243313	0.001078	0
chr17	7150001	7250000	1079	1021	7200000	0.275675	0.000258	0
chr17	7200001	7300000	1104	1018	7250000	0.312966	4.12E-05	0
chr17	7250001	7350000	1157	1051	7300000	0.334589	1.30E-05	0
chr17	7300001	7400000	1139	1064	7350000	0.294233	0.000106	0
chr17	7400001	7500000	1018	994	7450000	0.230383	0.001832	0
chr17	7450001	7550000	983	982	7500000	0.197431	0.006356	0
chr17	7600001	7700000	1024	999	7650000	0.231622	0.001743	0
chr17	7650001	7750000	1075	1027	7700000	0.261864	0.000483	0
chr17	7700001	7800000	1165	1159	7750000	0.203412	0.005129	0
chr17	7950001	8050000	1175	1157	8.00E+06	0.218235	0.00295	0
chr17	8000001	8100000	1141	1016	8050000	0.363361	2.54E-06	0
chr17	8050001	8150000	1043	976	8100000	0.291749	0.00012	0
chr17	8100001	8200000	1003	1007	8150000	0.190221	0.008175	0
chr17	8150001	8250000	953	954	8200000	0.19445	0.007059	0
chr17	9300001	9400000	804	781	9350000	0.237836	0.001353	0
chr17	12250001	12350000	691	902	12300000	-0.18848	0.009181	0
chr17	14300001	14400000	615	809	14350000	-0.19959	0.006288	0
chr17	15550001	15650000	369	358	15600000	0.239624	0.001257	0
chr17	15600001	15700000	260	254	15650000	0.229646	0.001886	0
chr17	16300001	16400000	1057	1058	16350000	0.194599	0.007022	0
chr17	16350001	16450000	1062	1053	16400000	0.208241	0.004298	0
chr17	16650001	16750000	96	86	16700000	0.354661	4.21E-06	0
chr17	17000001	17100000	1176	1185	17050000	0.184964	0.009776	0
chr17	17050001	17150000	1086	1069	17100000	0.218725	0.002895	0
chr17	17350001	17450000	1166	1150	17400000	0.215897	0.003226	0
chr17	17400001	17500000	1207	1187	17450000	0.220069	0.002749	0
chr17	17450001	17550000	1017	1014	17500000	0.200225	0.005754	0
chr17	17500001	17600000	1021	1016	17550000	0.203045	0.005198	0
chr17	18050001	18150000	1147	1136	18100000	0.209866	0.004047	0
chr17	18100001	18200000	1116	1120	18150000	0.190801	0.008013	0
chr17	18300001	18400000	44	30	18350000	0.748504	4.59E-20	0
chr17	18350001	18450000	35	23	18400000	0.801684	1.79E-22	0
chr17	18500001	18600000	109	103	18550000	0.277647	0.000235	0
chr17	18550001	18650000	115	108	18600000	0.286566	0.000154	0
chr17	18600001	18700000	151	145	18650000	0.254459	0.000669	0
chr17	18650001	18750000	125	121	18700000	0.242884	0.001097	0

chr17	18850001	18950000	1019	966	18900000	0.273022	0.000291	0
chr17	18900001	19000000	381	369	18950000	0.242133	0.001132	0
chr17	18950001	19050000	7	7	1.90E+07	0.195963	0.006694	0
chr17	19000001	19100000	3	3	19050000	0.195963	0.006694	0
chr17	19050001	19150000	95	68	19100000	0.678356	4.78E-17	0
chr17	20050001	20150000	974	968	20100000	0.204878	0.004863	0
chr17	20200001	20300000	244	233	20250000	0.262514	0.000469	0
chr17	20250001	20350000	33	30	20300000	0.333467	1.38E-05	0
chr17	20300001	20400000	31	51	20350000	-0.52227	1.15E-10	0
chr17	20750001	20850000	532	521	20800000	0.226106	0.002171	0
chr17	22050001	22150000	303	397	22100000	-0.19386	0.00766	0
chr17	25800001	25900000	1158	1132	25850000	0.228724	0.001957	0
chr17	25850001	25950000	1142	1128	25900000	0.213759	0.003498	0
chr17	26650001	26750000	1146	1079	26700000	0.282875	0.000184	0
chr17	26700001	26800000	960	925	26750000	0.249544	0.000828	0
chr17	26750001	26850000	1055	1037	26800000	0.22079	0.002673	0
chr17	26800001	26900000	1188	1189	26850000	0.194749	0.006985	0
chr17	26900001	27000000	1016	977	26950000	0.252433	0.000731	0
chr17	26950001	27050000	1069	1072	2.70E+07	0.19192	0.007709	0
chr17	27150001	27250000	1043	1050	27200000	0.186313	0.009341	0
chr17	27200001	27300000	1211	1162	27250000	0.255552	0.000638	0
chr17	27250001	27350000	1207	1168	27300000	0.243348	0.001076	0
chr17	27400001	27500000	1322	1246	27450000	0.281381	0.000197	0
chr17	27600001	27700000	840	843	27650000	0.19082	0.008008	0
chr17	27650001	27750000	904	811	27700000	0.352584	4.75E-06	0
chr17	27700001	27800000	903	848	27750000	0.286625	0.000153	0
chr17	27850001	27950000	1143	1143	27900000	0.195963	0.006694	0
chr17	30150001	30250000	867	839	30200000	0.243324	0.001077	0
chr17	30200001	30300000	559	563	30250000	0.185676	0.009544	0
chr17	30400001	30500000	622	604	30450000	0.238329	0.001326	0
chr17	30450001	30550000	814	796	30500000	0.228223	0.001997	0
chr17	30600001	30700000	940	899	30650000	0.260303	0.000518	0
chr17	30650001	30750000	851	827	30700000	0.237235	0.001387	0
chr17	32250001	32350000	735	970	32300000	-0.20428	0.005334	0
chr17	34500001	34600000	1	2	34550000	-0.80404	3.29E-21	0
chr17	34550001	34650000	1	6	34600000	-2.389	7.64E-88	0
chr17	34600001	34700000	1	6	34650000	-2.389	7.64E-88	0
chr17	34650001	34750000	3	1	34700000	1.780926	4.68E-73	0
chr17	34750001	34850000	370	373	34800000	0.184313	0.009992	0
chr17	34800001	34900000	875	839	34850000	0.256575	0.00061	0
chr17	34850001	34950000	917	873	34900000	0.266903	0.000385	0
chr17	35550001	35650000	963	956	35600000	0.206488	0.004585	0
chr17	35800001	35900000	864	870	35850000	0.185979	0.009447	0
chr17	36250001	36350000	101	98	36300000	0.239465	0.001265	0
chr17	36400001	36500000	477	465	36450000	0.232722	0.001667	0
chr17	36550001	36650000	969	939	36600000	0.241335	0.001171	0
chr17	36600001	36700000	717	675	36650000	0.283049	0.000182	0

chr17	36650001	36750000	979	951	36700000	0.237827	0.001354	0
chr17	36700001	36800000	1132	1094	36750000	0.245224	0.000994	0
chr17	36800001	36900000	1091	1084	36850000	0.205249	0.004797	0
chr17	36850001	36950000	1158	1106	36900000	0.262247	0.000475	0
chr17	37050001	37150000	905	903	37100000	0.199155	0.005978	0
chr17	37100001	37200000	834	819	37150000	0.222147	0.002536	0
chr17	37300001	37400000	1144	1089	37350000	0.267046	0.000383	0
chr17	37350001	37450000	1054	991	37400000	0.284881	0.000167	0
chr17	37550001	37650000	774	773	37600000	0.197828	0.006267	0
chr17	37850001	37950000	1135	1100	37900000	0.241152	0.00118	0
chr17	38200001	38300000	1125	1115	38250000	0.208844	0.004203	0
chr17	38250001	38350000	1029	1000	38300000	0.237206	0.001389	0
chr17	38450001	38550000	1224	1171	38500000	0.259826	0.000529	0
chr17	38600001	38700000	1189	1127	38650000	0.273224	0.000288	0
chr17	39850001	39950000	1028	1033	39900000	0.188963	0.008535	0
chr17	39900001	40000000	1085	1024	39950000	0.279442	0.000216	0
chr17	39950001	40050000	1007	982	4.00E+07	0.232232	0.0017	0
chr17	40050001	40150000	1063	1029	40100000	0.242862	0.001098	0
chr17	40300001	40400000	1015	971	40350000	0.2599	0.000527	0
chr17	40350001	40450000	969	920	40400000	0.270826	0.000322	0
chr17	40500001	40600000	916	915	40550000	0.197539	0.006331	0
chr17	40550001	40650000	885	888	40600000	0.191081	0.007936	0
chr17	40600001	40700000	958	954	40650000	0.201999	0.005398	0
chr17	40650001	40750000	1050	988	40700000	0.283769	0.000176	0
chr17	40800001	40900000	1023	967	40850000	0.277181	0.00024	0
chr17	40950001	41050000	1033	1010	4.10E+07	0.228448	0.001979	0
chr17	41300001	41400000	986	943	41350000	0.260293	0.000518	0
chr17	41350001	41450000	1340	1254	41400000	0.291659	0.00012	0
chr17	41400001	41500000	1217	1223	41450000	0.188868	0.008563	0
chr17	42050001	42150000	925	906	42100000	0.225905	0.002189	0
chr17	42100001	42200000	1025	1003	42150000	0.227265	0.002074	0
chr17	42150001	42250000	1028	1010	42200000	0.221448	0.002606	0
chr17	42200001	42300000	1035	978	42250000	0.277687	0.000234	0
chr17	42250001	42350000	1093	1046	42300000	0.259374	0.00054	0
chr17	42350001	42450000	1023	1027	42400000	0.190333	0.008143	0
chr17	42400001	42500000	1044	1003	42450000	0.253763	0.00069	0
chr17	42550001	42650000	892	870	42600000	0.231991	0.001717	0
chr17	43000001	43100000	1150	1114	43050000	0.241848	0.001146	0
chr17	43050001	43150000	1074	1030	43100000	0.256313	0.000617	0
chr17	43100001	43200000	1038	996	43150000	0.255552	0.000638	0
chr17	43150001	43250000	1083	1023	43200000	0.27819	0.000229	0
chr17	43200001	43300000	912	886	43250000	0.23769	0.001361	0
chr17	43300001	43400000	1214	1193	43350000	0.221137	0.002637	0
chr17	43350001	43450000	1104	1069	43400000	0.242441	0.001118	0
chr17	44400001	44500000	7	7	44450000	0.195963	0.006694	0
chr17	44600001	44700000	6	6	44650000	0.195963	0.006694	0
chr17	44650001	44750000	6	5	44700000	0.458997	5.01E-09	0

chr17	45000001	45100000	908	893	45050000	0.219995	0.002757	0
chr17	45600001	45700000	351	342	45650000	0.233438	0.001619	0
chr17	45650001	45750000	752	744	45700000	0.211393	0.003823	0
chr17	46050001	46150000	1078	1082	46100000	0.19062	0.008063	0
chr17	46100001	46200000	931	905	46150000	0.236826	0.00141	0
chr17	46650001	46750000	1219	1162	46700000	0.265051	0.000419	0
chr17	47000001	47100000	925	923	47050000	0.199086	0.005993	0
chr17	47200001	47300000	878	878	47250000	0.195963	0.006694	0
chr17	47250001	47350000	982	939	47300000	0.260561	0.000512	0
chr17	47900001	48000000	1185	1188	47950000	0.192315	0.007604	0
chr17	47950001	48050000	1218	1158	4.80E+07	0.268842	0.000353	0
chr17	48000001	48100000	1182	1148	48050000	0.23807	0.00134	0
chr17	48050001	48150000	1207	1210	48100000	0.192382	0.007587	0
chr17	48150001	48250000	1319	1285	48200000	0.233639	0.001606	0
chr17	48200001	48300000	1345	1254	48250000	0.297032	9.23E-05	0
chr17	48250001	48350000	1138	1125	48300000	0.212539	0.003662	0
chr17	48400001	48500000	988	945	48450000	0.26016	0.000521	0
chr17	48450001	48550000	988	953	48500000	0.247998	0.000884	0
chr17	48600001	48700000	1336	1317	48650000	0.216628	0.003137	0
chr17	48650001	48750000	1251	1230	48700000	0.220387	0.002715	0
chr17	48700001	48800000	1111	1107	48750000	0.201167	0.005562	0
chr17	48900001	49000000	1044	1029	48950000	0.216842	0.003112	0
chr17	50000001	50100000	645	857	50050000	-0.21403	0.003751	0
chr17	50050001	50150000	649	867	50100000	-0.22185	0.002804	0
chr17	51100001	51200000	582	777	51150000	-0.22093	0.002903	0
chr17	52250001	52350000	599	797	52300000	-0.21606	0.003481	0
chr17	54850001	54950000	1051	1052	54900000	0.194591	0.007024	0
chr17	54900001	55000000	986	994	54950000	0.184305	0.009995	0
chr17	55450001	55550000	1121	1107	55500000	0.214094	0.003454	0
chr17	56550001	56650000	999	1005	56600000	0.187324	0.009026	0
chr17	57350001	57450000	930	928	57400000	0.199069	0.005996	0
chr17	57400001	57500000	998	993	57450000	0.203209	0.005167	0
chr17	57600001	57700000	640	644	57650000	0.186974	0.009134	0
chr17	58050001	58150000	375	495	58100000	-0.20457	0.005278	0
chr17	58150001	58250000	852	835	58200000	0.22504	0.002265	0
chr17	58200001	58300000	640	643	58250000	0.189216	0.008462	0
chr17	59400001	59500000	1091	1092	59450000	0.194641	0.007012	0
chr17	59450001	59550000	1108	1100	59500000	0.206417	0.004597	0
chr17	61450001	61550000	1035	1008	61500000	0.234098	0.001577	0
chr17	61550001	61650000	1155	1162	61600000	0.187246	0.00905	0
chr17	61600001	61700000	1029	1037	61650000	0.18479	0.009833	0
chr17	61800001	61900000	936	942	61850000	0.186745	0.009205	0
chr17	61850001	61950000	937	895	61900000	0.262124	0.000477	0
chr17	61900001	62000000	625	616	61950000	0.216889	0.003106	0
chr17	61950001	62050000	765	733	6.20E+07	0.25761	0.000583	0
chr17	62000001	62100000	1136	1114	62050000	0.224177	0.002343	0
chr17	62500001	62600000	942	947	62550000	0.188326	0.008723	0

chr17	62550001	62650000	877	877	62600000	0.195963	0.006694	0
chr17	62600001	62700000	831	801	62650000	0.249009	0.000847	0
chr17	62750001	62850000	345	321	62800000	0.299986	7.97E-05	0
chr17	62800001	62900000	70	64	62850000	0.325246	2.16E-05	0
chr17	65900001	66000000	512	489	65950000	0.262272	0.000474	0
chr17	65950001	66050000	511	447	6.60E+07	0.389011	5.38E-07	0
chr17	66000001	66100000	454	420	66050000	0.308266	5.24E-05	0
chr17	67550001	67650000	499	655	67600000	-0.19649	0.007	0
chr17	69600001	69700000	434	572	69650000	-0.20236	0.005708	0
chr17	69950001	70050000	479	629	7.00E+07	-0.19707	0.006861	0
chr17	71300001	71400000	771	729	71350000	0.276775	0.000245	0
chr17	72350001	72450000	701	684	72400000	0.231381	0.00176	0
chr17	72400001	72500000	668	652	72450000	0.230939	0.001791	0
chr17	72700001	72800000	763	751	72750000	0.218833	0.002883	0
chr17	72750001	72850000	826	826	72800000	0.195963	0.006694	0
chr17	72800001	72900000	859	852	72850000	0.207768	0.004374	0
chr17	72850001	72950000	766	751	72900000	0.224495	0.002314	0
chr17	72900001	73000000	750	703	72950000	0.289329	0.000135	0
chr17	72950001	73050000	735	668	7.30E+07	0.333859	1.35E-05	0
chr17	73000001	73100000	684	665	73050000	0.236605	0.001423	0
chr17	73050001	73150000	699	687	73100000	0.220945	0.002657	0
chr17	73100001	73200000	595	595	73150000	0.195963	0.006694	0
chr17	73250001	73350000	633	627	73300000	0.209703	0.004071	0
chr17	73300001	73400000	677	643	73350000	0.2703	0.00033	0
chr17	73350001	73450000	618	585	73400000	0.275133	0.000264	0
chr17	73400001	73500000	664	653	73450000	0.220063	0.002749	0
chr17	73450001	73550000	777	766	73500000	0.216533	0.003148	0
chr17	73600001	73700000	823	786	73650000	0.262326	0.000473	0
chr17	73650001	73750000	782	677	73700000	0.403976	2.09E-07	0
chr17	73700001	73800000	742	673	73750000	0.336776	1.15E-05	0
chr17	73750001	73850000	773	700	73800000	0.339077	1.02E-05	0
chr17	73800001	73900000	812	759	73850000	0.293343	0.000111	0
chr17	73850001	73950000	762	758	73900000	0.203556	0.005103	0
chr17	74000001	74100000	732	715	74050000	0.229863	0.00187	0
chr17	74200001	74300000	678	678	74250000	0.195963	0.006694	0
chr17	74250001	74350000	713	698	74300000	0.226638	0.002126	0
chr17	74400001	74500000	794	747	74450000	0.283994	0.000174	0
chr17	74450001	74550000	838	771	74500000	0.316182	3.48E-05	0
chr17	74500001	74600000	766	709	74550000	0.307522	5.45E-05	0
chr17	74550001	74650000	640	615	74600000	0.253449	0.000699	0
chr17	74600001	74700000	641	636	74650000	0.207261	0.004456	0
chr17	74650001	74750000	706	646	74700000	0.324097	2.29E-05	0
chr17	74700001	74800000	602	580	74750000	0.249674	0.000823	0
chr17	74950001	75050000	688	690	7.50E+07	0.191775	0.007748	0
chr17	75200001	75300000	686	640	75250000	0.2961	9.67E-05	0
chr17	75250001	75350000	710	667	75300000	0.286095	0.000157	0
chr17	75300001	75400000	795	766	75350000	0.249574	0.000827	0

chr17	75350001	75450000	823	812	75400000	0.215376	0.00329	0
chr17	75950001	76050000	706	688	7.60E+07	0.233223	0.001634	0
chr17	76100001	76200000	758	739	76150000	0.232587	0.001676	0
chr17	76150001	76250000	710	707	76200000	0.202072	0.005384	0
chr17	76300001	76400000	721	719	76350000	0.199971	0.005806	0
chr17	76350001	76450000	720	719	76400000	0.197968	0.006236	0
chr17	76400001	76500000	750	742	76450000	0.211434	0.003817	0
chr17	76650001	76750000	720	721	76700000	0.193961	0.007181	0
chr17	76800001	76900000	738	739	76850000	0.194009	0.007169	0
chr17	76850001	76950000	757	737	76900000	0.234592	0.001545	0
chr17	76900001	77000000	769	757	76950000	0.218653	0.002903	0
chr17	76950001	77050000	786	782	7.70E+07	0.203324	0.005146	0
chr17	77000001	77100000	801	795	77050000	0.20681	0.004531	0
chr17	77300001	77400000	809	798	77350000	0.215714	0.003248	0
chr17	77700001	77800000	784	765	77750000	0.231357	0.001761	0
chr17	77750001	77850000	838	837	77800000	0.197686	0.006299	0
chr17	77850001	77950000	739	744	77900000	0.186235	0.009366	0
chr17	77900001	78000000	711	689	77950000	0.241309	0.001172	0
chr17	77950001	78050000	696	660	7.80E+07	0.272584	0.000297	0
chr17	78000001	78100000	768	769	78050000	0.194086	0.007149	0
chr17	78150001	78250000	762	751	78200000	0.216941	0.0031	0
chr17	78300001	78400000	705	689	78350000	0.229082	0.001929	0
chr17	78650001	78750000	713	711	78700000	0.200016	0.005797	0
chr17	78700001	78800000	764	739	78750000	0.243961	0.001049	0
chr17	78750001	78850000	813	767	78800000	0.279992	0.00021	0
chr17	78800001	78900000	819	810	78850000	0.211905	0.00375	0
chr17	78950001	79050000	838	817	7.90E+07	0.232577	0.001677	0
chr17	79000001	79100000	922	885	79050000	0.255052	0.000652	0
chr17	79050001	79150000	860	834	79100000	0.240252	0.001224	0
chr17	79200001	79300000	854	852	79250000	0.199346	0.005937	0
chr17	79250001	79350000	790	789	79300000	0.19779	0.006275	0
chr17	79300001	79400000	849	794	79350000	0.292589	0.000115	0
chr17	79350001	79450000	950	896	79400000	0.280392	0.000206	0
chr17	79450001	79550000	825	780	79500000	0.276883	0.000243	0
chr17	79500001	79600000	782	742	79550000	0.271712	0.000309	0
chr17	79600001	79700000	703	689	79650000	0.224984	0.00227	0
chr17	79650001	79750000	433	427	79700000	0.216094	0.003202	0
chr17	79750001	79850000	679	668	79800000	0.219527	0.002807	0
chr17	79800001	79900000	788	750	79850000	0.267268	0.000379	0
chr17	79850001	79950000	781	746	79900000	0.26211	0.000478	0
chr17	79900001	80000000	840	790	79950000	0.2845	0.00017	0
chr17	79950001	80050000	942	877	8.00E+07	0.299113	8.32E-05	0
chr17	80000001	80100000	670	663	80050000	0.211115	0.003863	0
chr17	80100001	80200000	717	687	80150000	0.257626	0.000583	0
chr17	80150001	80250000	804	699	80200000	0.397866	3.09E-07	0
chr17	80300001	80400000	756	717	80350000	0.272376	0.0003	0
chr17	80350001	80450000	788	710	80400000	0.34634	6.77E-06	0

chr17	80400001	80500000	666	653	80450000	0.224402	0.002322	0
chr17	80650001	80750000	664	660	80700000	0.20468	0.004898	0
chr17	80700001	80800000	741	731	80750000	0.215565	0.003267	0
chr17	81000001	81100000	860	820	81050000	0.264676	0.000426	0
chr17	81050001	81150000	843	796	81100000	0.278727	0.000223	0
chr17	81100001	81200000	457	439	81150000	0.253936	0.000685	0
chr17	81150001	81250000	29	26	81200000	0.353504	4.50E-06	0
chr17	200001	300000	906	942	250000	0.139747	0.038801	0
chr17	250001	350000	458	463	3.00E+05	0.180298	0.01142	0
chr17	500001	600000	791	817	550000	0.149305	0.02969	0
chr17	850001	950000	983	1020	9.00E+05	0.142657	0.035812	0
chr17	1050001	1150000	914	940	1100000	0.155496	0.024796	0
chr17	1450001	1550000	1010	1032	1500000	0.164875	0.018683	0
chr17	1550001	1650000	943	954	1600000	0.179232	0.011829	0
chr17	1950001	2050000	1021	1065	2.00E+06	0.135092	0.044002	0
chr17	2150001	2250000	911	953	2200000	0.130938	0.049107	0
chr17	2300001	2400000	909	930	2350000	0.163013	0.019783	0
chr17	2750001	2850000	959	1001	2800000	0.134124	0.045152	0
chr17	2800001	2900000	979	992	2850000	0.176932	0.012752	0
chr17	2850001	2950000	992	1008	2900000	0.172879	0.014532	0
chr17	3400001	3500000	799	1018	3450000	-0.15351	0.027146	0
chr17	3650001	3750000	960	969	3700000	0.182501	0.010616	0
chr17	3900001	4000000	1012	1022	3950000	0.181777	0.010875	0
chr17	3950001	4050000	978	999	4.00E+06	0.165313	0.018433	0
chr17	4400001	4500000	1174	1216	4450000	0.145252	0.033309	0
chr17	4750001	4850000	1009	1055	4800000	0.131646	0.048204	0
chr17	5000001	5100000	585	612	5050000	0.130868	0.049196	0
chr17	5250001	5350000	953	993	5300000	0.136646	0.042207	0
chr17	5600001	5700000	896	917	5650000	0.16254	0.02007	0
chr17	5900001	6000000	968	1006	5950000	0.140412	0.038101	0
chr17	6450001	6550000	1075	1120	6500000	0.136801	0.042031	0
chr17	6500001	6600000	1009	1055	6550000	0.131646	0.048204	0
chr17	6950001	7050000	882	912	7.00E+06	0.147708	0.031075	0
chr17	7050001	7150000	1073	1098	7100000	0.162735	0.019951	0
chr17	7350001	7450000	938	957	7400000	0.167032	0.017476	0
chr17	7550001	7650000	1013	1027	7600000	0.176161	0.013075	0
chr17	7750001	7850000	1176	1206	7800000	0.159621	0.021927	0
chr17	7800001	7900000	1062	1091	7850000	0.157096	0.023648	0
chr17	8200001	8300000	889	916	8250000	0.152799	0.026838	0
chr17	9450001	9550000	765	791	9500000	0.147745	0.031042	0
chr17	9500001	9600000	821	835	9550000	0.171569	0.015152	0
chr17	9650001	9750000	1014	1051	9700000	0.144258	0.03425	0
chr17	9950001	10050000	902	944	1.00E+07	0.130304	0.049926	0
chr17	10350001	10450000	702	912	10400000	-0.1816	0.01151	0
chr17	11500001	11600000	711	909	11550000	-0.15847	0.023508	0
chr17	12900001	13000000	900	933	12950000	0.144011	0.034488	0
chr17	12950001	13050000	819	857	1.30E+07	0.130531	0.049631	0

chr17	13650001	13750000	651	826	13700000	-0.14752	0.032154	0
chr17	13800001	13900000	640	809	13850000	-0.1421	0.037324	0
chr17	13850001	13950000	604	772	13900000	-0.15809	0.02377	0
chr17	14150001	14250000	713	905	14200000	-0.14805	0.03168	0
chr17	14250001	14350000	658	832	14300000	-0.14253	0.036892	0
chr17	14550001	14650000	667	846	14600000	-0.14701	0.032617	0
chr17	14600001	14700000	700	890	14650000	-0.15049	0.029584	0
chr17	15000001	15100000	747	957	15050000	-0.16145	0.021528	0
chr17	15500001	15600000	274	278	15550000	0.175054	0.013552	0
chr17	15800001	15900000	939	982	15850000	0.131365	0.048561	0
chr17	15850001	15950000	965	981	15900000	0.172239	0.014832	0
chr17	16000001	16100000	836	861	16050000	0.153453	0.02633	0
chr17	16250001	16350000	857	875	16300000	0.165975	0.018059	0
chr17	16400001	16500000	995	1017	16450000	0.164412	0.018952	0
chr17	16850001	16950000	942	964	16900000	0.162657	0.019999	0
chr17	17100001	17200000	937	972	17150000	0.143056	0.035418	0
chr17	17150001	17250000	884	920	17200000	0.138376	0.040279	0
chr17	17300001	17400000	1036	1078	17350000	0.13863	0.040001	0
chr17	17550001	17650000	1223	1256	17600000	0.157551	0.023329	0
chr17	17600001	17700000	1299	1345	17650000	0.145758	0.032838	0
chr17	17650001	17750000	1237	1271	17700000	0.156845	0.023825	0
chr17	17700001	17800000	1211	1247	17750000	0.1537	0.02614	0
chr17	18150001	18250000	1011	1055	18200000	0.134503	0.044699	0
chr17	18400001	18500000	22	28	18450000	-0.15196	0.028373	0
chr17	18700001	18800000	430	441	18750000	0.159521	0.021993	0
chr17	18800001	18900000	1056	1103	18850000	0.13314	0.046345	0
chr17	19100001	19200000	641	652	19150000	0.171415	0.015226	0
chr17	19200001	19300000	1133	1184	19250000	0.132442	0.047207	0
chr17	19500001	19600000	860	887	19550000	0.151366	0.027979	0
chr17	20000001	20100000	929	970	20050000	0.133657	0.045715	0
chr17	20100001	20200000	964	980	20150000	0.172214	0.014844	0
chr17	20400001	20500000	98	101	20450000	0.152461	0.027103	0
chr17	20500001	20600000	156	198	20550000	-0.14799	0.031734	0
chr17	20550001	20650000	198	202	20600000	0.167108	0.017434	0
chr17	21100001	21200000	1171	1212	21150000	0.146314	0.032327	0
chr17	21150001	21250000	1720	1793	21200000	0.135996	0.04295	0
chr17	21200001	21300000	1808	1872	21250000	0.145777	0.03282	0
chr17	21400001	21500000	559	582	21450000	0.137792	0.040921	0
chr17	21550001	21650000	92	96	21600000	0.134562	0.044628	0
chr17	22200001	22300000	337	432	22250000	-0.16232	0.020976	0
chr17	25750001	25850000	1014	1048	25800000	0.148382	0.030484	0
chr17	26600001	26700000	1043	1061	26650000	0.171278	0.015292	0
chr17	26850001	26950000	1059	1075	26900000	0.174329	0.013872	0
chr17	27000001	27100000	1061	1093	27050000	0.153094	0.026607	0
chr17	27050001	27150000	912	950	27100000	0.137069	0.041728	0
chr17	27350001	27450000	1164	1204	27400000	0.147219	0.03151	0
chr17	27450001	27550000	1118	1128	27500000	0.183116	0.010401	0



chr17	28200001	28300000	825	852	28250000	0.149504	0.029521	0
chr17	28900001	29000000	220	228	28950000	0.144433	0.034083	0
chr17	29150001	29250000	805	825	29200000	0.160558	0.021316	0
chr17	29200001	29300000	807	835	29250000	0.146756	0.031926	0
chr17	29300001	29400000	616	637	29350000	0.1476	0.03117	0
chr17	29350001	29450000	724	730	29400000	0.184056	0.010079	0
chr17	29600001	29700000	848	885	29650000	0.13435	0.044881	0
chr17	29800001	29900000	1062	1101	29850000	0.143932	0.034564	0
chr17	29850001	29950000	1038	1078	29900000	0.141412	0.037067	0
chr17	30100001	30200000	855	878	30150000	0.157667	0.023249	0
chr17	30250001	30350000	451	461	30300000	0.164324	0.019003	0
chr17	30550001	30650000	989	1024	30600000	0.14579	0.032809	0
chr17	31000001	31100000	773	797	31050000	0.151852	0.027587	0
chr17	32200001	32300000	676	878	32250000	-0.18123	0.011647	0
chr17	32300001	32400000	674	855	32350000	-0.14721	0.032431	0
chr17	33300001	33400000	930	962	33350000	0.147157	0.031565	0
chr17	33350001	33450000	905	936	33400000	0.147372	0.031373	0
chr17	33600001	33700000	658	843	33650000	-0.16148	0.021506	0
chr17	33850001	33950000	875	885	33900000	0.179569	0.011698	0
chr17	33900001	34000000	925	959	33950000	0.143886	0.034609	0
chr17	34050001	34150000	1056	1098	34100000	0.139695	0.038857	0
chr17	34400001	34500000	541	685	34450000	-0.14451	0.034947	0
chr17	34450001	34550000	277	350	34500000	-0.14151	0.037936	0
chr17	34900001	35000000	938	975	34950000	0.140149	0.038377	0
chr17	35250001	35350000	1067	1080	35300000	0.178492	0.012119	0
chr17	35600001	35700000	866	883	35650000	0.167917	0.017	0
chr17	35650001	35750000	775	782	35700000	0.182991	0.010444	0
chr17	35850001	35950000	836	872	35900000	0.135138	0.043949	0
chr17	35900001	36000000	851	886	35950000	0.137815	0.040895	0
chr17	36750001	36850000	933	969	36800000	0.141343	0.037137	0
chr17	36900001	37000000	916	948	36950000	0.146424	0.032227	0
chr17	36950001	37050000	852	890	3.70E+07	0.133011	0.046503	0
chr17	37150001	37250000	948	990	37200000	0.133422	0.046001	0
chr17	37400001	37500000	840	872	37450000	0.142024	0.036446	0
chr17	37700001	37800000	1157	1175	37750000	0.173691	0.014159	0
chr17	37750001	37850000	1237	1268	37800000	0.160254	0.021512	0
chr17	37800001	37900000	1179	1225	37850000	0.140745	0.037754	0
chr17	37900001	38000000	991	1015	37950000	0.16144	0.020754	0
chr17	38100001	38200000	1055	1081	38150000	0.16084	0.021135	0
chr17	38300001	38400000	844	882	38350000	0.132427	0.047225	0
chr17	38500001	38600000	1074	1098	38550000	0.164079	0.019147	0
chr17	38650001	38750000	1070	1097	38700000	0.16001	0.021671	0
chr17	39150001	39250000	843	875	39200000	0.142213	0.036256	0
chr17	39650001	39750000	1122	1157	39700000	0.151647	0.027751	0
chr17	39700001	39800000	948	961	39750000	0.176314	0.013011	0
chr17	40000001	40100000	1011	1023	40050000	0.17894	0.011943	0
chr17	40100001	40200000	1006	1047	40150000	0.138332	0.040326	0

chr17	40250001	40350000	1096	1110	40300000	0.177651	0.012457	0
chr17	40400001	40500000	957	978	40450000	0.164647	0.018815	0
chr17	40450001	40550000	912	933	40500000	0.16312	0.019718	0
chr17	40700001	40800000	920	932	40750000	0.177267	0.012614	0
chr17	40750001	40850000	968	1011	40800000	0.133259	0.046199	0
chr17	40850001	40950000	993	1032	40900000	0.140386	0.038128	0
chr17	40900001	41000000	1082	1132	40950000	0.13079	0.049297	0
chr17	41550001	41650000	1022	1043	41600000	0.166619	0.017702	0
chr17	41600001	41700000	987	1026	41650000	0.140054	0.038476	0
chr17	41700001	41800000	1035	1075	41750000	0.141257	0.037226	0
chr17	41750001	41850000	1087	1115	41800000	0.159271	0.022159	0
chr17	41800001	41900000	1033	1063	41850000	0.154662	0.025413	0
chr17	41850001	41950000	1017	1048	41900000	0.152644	0.026959	0
chr17	42000001	42100000	948	959	42050000	0.179319	0.011795	0
chr17	42300001	42400000	993	1024	42350000	0.151613	0.027779	0
chr17	42950001	43050000	1084	1104	4.30E+07	0.169588	0.016132	0
chr17	43250001	43350000	1024	1058	43300000	0.148839	0.030088	0
chr17	43400001	43500000	1031	1077	43450000	0.132989	0.04653	0
chr17	43600001	43700000	226	235	43650000	0.139625	0.038931	0
chr17	43750001	43850000	1063	1111	43800000	0.132246	0.047451	0
chr17	43800001	43900000	1131	1166	43850000	0.151994	0.027473	0
chr17	44100001	44200000	1151	1189	44150000	0.149102	0.029863	0
chr17	44150001	44250000	1481	1517	44200000	0.161314	0.020833	0
chr17	44200001	44300000	1505	1566	44250000	0.138642	0.039988	0
chr17	44350001	44450000	95	98	44400000	0.151109	0.028187	0
chr17	44950001	45050000	1050	1073	4.50E+07	0.164702	0.018783	0
chr17	45300001	45400000	1115	1136	45350000	0.169044	0.01641	0
chr17	45500001	45600000	275	351	45550000	-0.15608	0.025207	0
chr17	45850001	45950000	1191	1218	45900000	0.163622	0.019417	0
chr17	46150001	46250000	881	913	46200000	0.14449	0.034029	0
chr17	46600001	46700000	1191	1242	46650000	0.135471	0.043559	0
chr17	46700001	46800000	1039	1054	46750000	0.175284	0.013452	0
chr17	47050001	47150000	983	1022	47100000	0.139831	0.038712	0
chr17	47150001	47250000	822	857	47200000	0.135806	0.04317	0
chr17	47300001	47400000	891	908	47350000	0.168696	0.01659	0
chr17	47600001	47700000	1045	1093	47650000	0.131173	0.048806	0
chr17	48100001	48200000	1259	1272	48150000	0.181143	0.011106	0
chr17	48350001	48450000	1061	1091	48400000	0.155737	0.02462	0
chr17	49050001	49150000	912	939	49100000	0.153872	0.026009	0
chr17	49350001	49450000	802	822	49400000	0.160427	0.0214	0
chr17	49400001	49500000	922	959	49450000	0.139199	0.039386	0
chr17	50500001	50600000	618	783	50550000	-0.14544	0.034063	0
chr17	50950001	51050000	594	770	5.10E+07	-0.17843	0.012746	0
chr17	51400001	51500000	591	747	51450000	-0.14199	0.037444	0
chr17	51800001	51900000	548	697	51850000	-0.15102	0.029141	0
chr17	51950001	52050000	602	783	5.20E+07	-0.18329	0.010896	0
chr17	52000001	52100000	649	836	52050000	-0.16932	0.016965	0

chr17	52700001	52800000	533	688	52750000	-0.17231	0.015465	0
chr17	52750001	52850000	584	743	52800000	-0.15143	0.028803	0
chr17	52800001	52900000	638	807	52850000	-0.14305	0.036376	0
chr17	54000001	54100000	628	789	54050000	-0.1333	0.047175	0
chr17	54050001	54150000	650	837	54100000	-0.16882	0.017226	0
chr17	55500001	55600000	1096	1139	55550000	0.140443	0.038068	0
chr17	55850001	55950000	1064	1091	55900000	0.15981	0.021802	0
chr17	56350001	56450000	1111	1151	56400000	0.144934	0.033608	0
chr17	56500001	56600000	908	922	56550000	0.173889	0.01407	0
chr17	56700001	56800000	771	806	56750000	0.131914	0.047866	0
chr17	56900001	57000000	767	793	56950000	0.147869	0.030933	0
chr17	57450001	57550000	867	898	57500000	0.14528	0.033283	0
chr17	57500001	57600000	807	837	57550000	0.143304	0.035174	0
chr17	57550001	57650000	803	840	57600000	0.130974	0.049061	0
chr17	57650001	57750000	728	743	57700000	0.166539	0.017745	0
chr17	57750001	57850000	926	966	57800000	0.134952	0.044167	0
chr17	57900001	58000000	832	840	57950000	0.182157	0.010738	0
chr17	58600001	58700000	869	885	58650000	0.169642	0.016104	0
chr17	58650001	58750000	843	875	58700000	0.142213	0.036256	0
chr17	60500001	60600000	197	206	60550000	0.131514	0.048371	0
chr17	61400001	61500000	962	1006	61450000	0.131442	0.048464	0
chr17	61500001	61600000	1119	1157	61550000	0.147784	0.031007	0
chr17	62050001	62150000	1041	1088	62100000	0.132255	0.04744	0
chr17	62100001	62200000	1013	1042	62150000	0.155242	0.024982	0
chr17	62150001	62250000	1008	1045	62200000	0.143956	0.034541	0
chr17	62650001	62750000	612	634	62700000	0.145012	0.033535	0
chr17	63000001	63100000	904	941	63050000	0.138091	0.040591	0
chr17	63050001	63150000	930	965	63100000	0.142665	0.035805	0
chr17	63950001	64050000	687	879	6.40E+07	-0.15959	0.022745	0
chr17	65600001	65700000	581	606	65650000	0.135183	0.043895	0
chr17	66200001	66300000	449	454	66250000	0.179986	0.011539	0
chr17	66450001	66550000	679	688	66500000	0.176966	0.012738	0
chr17	66500001	66600000	652	679	66550000	0.137423	0.041331	0
chr17	66700001	66800000	511	644	66750000	-0.13777	0.041933	0
chr17	67400001	67500000	561	709	67450000	-0.14182	0.037612	0
chr17	67500001	67600000	538	677	67550000	-0.13559	0.044433	0
chr17	67650001	67750000	483	621	67700000	-0.16661	0.018434	0
chr17	69000001	69100000	468	602	69050000	-0.16729	0.018053	0
chr17	69050001	69150000	462	590	69100000	-0.15686	0.02464	0
chr17	69450001	69550000	493	622	69500000	-0.13936	0.04019	0
chr17	69650001	69750000	481	621	69700000	-0.17259	0.015329	0
chr17	70400001	70500000	668	690	70450000	0.149215	0.029766	0
chr17	70900001	71000000	630	655	70950000	0.13982	0.038724	0
chr17	70950001	71050000	602	612	7.10E+07	0.172195	0.014853	0
chr17	71150001	71250000	680	696	71200000	0.16241	0.02015	0
chr17	71250001	71350000	687	702	71300000	0.164802	0.018725	0
chr17	71450001	71550000	794	829	71500000	0.13373	0.045627	0

chr17	71550001	71650000	732	758	71600000	0.145609	0.032977	0
chr17	71600001	71700000	678	698	71650000	0.154021	0.025895	0
chr17	72000001	72100000	695	724	72050000	0.136986	0.041822	0
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chr17	73150001	73250000	598	609	73200000	0.169666	0.016092	0
chr17	73200001	73300000	645	669	73250000	0.143256	0.035221	0
chr17	73500001	73600000	721	735	73550000	0.168218	0.01684	0
chr17	73900001	74000000	663	677	73950000	0.165816	0.018148	0
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chr17	74050001	74150000	715	723	74100000	0.179911	0.011567	0
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chr17	75750001	75850000	698	730	75800000	0.131294	0.048652	0
chr17	75800001	75900000	765	785	75850000	0.15873	0.022521	0
chr17	76700001	76800000	695	709	76750000	0.16719	0.01739	0
chr17	76750001	76850000	704	714	76800000	0.175614	0.013309	0
chr17	77150001	77250000	812	848	77200000	0.133378	0.046053	0
chr17	77350001	77450000	833	854	77400000	0.160043	0.021649	0
chr17	78050001	78150000	734	760	78100000	0.145744	0.032852	0
chr17	78100001	78200000	713	734	78150000	0.154085	0.025847	0
chr17	78200001	78300000	673	702	78250000	0.135099	0.043995	0
chr17	78250001	78350000	706	714	78300000	0.179707	0.011645	0
chr17	78550001	78650000	675	698	78600000	0.147624	0.03115	0
chr17	78900001	79000000	783	815	78950000	0.138175	0.040498	0
chr17	79100001	79200000	791	810	79150000	0.161719	0.020579	0
chr17	79150001	79250000	834	850	79200000	0.168548	0.016667	0
chr17	79400001	79500000	840	852	79450000	0.175499	0.013359	0
chr17	79550001	79650000	669	677	79600000	0.178813	0.011992	0
chr17	79700001	79800000	395	401	79750000	0.174213	0.013924	0
chr17	80200001	80300000	800	807	80250000	0.183394	0.010304	0
chr17	80450001	80550000	605	630	80500000	0.137546	0.041194	0
chr17	80500001	80600000	664	681	80550000	0.159491	0.022012	0
chr17	80550001	80650000	689	708	80600000	0.156718	0.023915	0
chr17	80600001	80700000	678	703	80650000	0.143724	0.034765	0
chr18	1200001	1300000	439	576	1250000	-0.19588	0.007147	0
chr18	1300001	1400000	396	524	1350000	-0.2081	0.004653	0
chr18	1700001	1800000	369	509	1750000	-0.26808	0.000425	0
chr18	1750001	1850000	375	562	1800000	-0.38772	8.97E-07	0
chr18	1800001	1900000	433	571	1850000	-0.20316	0.005549	0
chr18	3200001	3300000	678	679	3250000	0.193837	0.007212	0
chr18	3650001	3750000	523	686	3700000	-0.19543	0.007258	0
chr18	5300001	5400000	416	544	5350000	-0.19106	0.008421	0
chr18	5750001	5850000	443	590	5800000	-0.21745	0.003307	0
chr18	5800001	5900000	449	600	5850000	-0.22228	0.002758	0
chr18	5850001	5950000	467	610	5900000	-0.18942	0.008896	0

chr18	6250001	6350000	427	569	6300000	-0.21823	0.003212	0
chr18	7000001	7100000	431	606	7050000	-0.29567	0.000121	0
chr18	7100001	7200000	458	451	7150000	0.218183	0.002956	0
chr18	8300001	8400000	579	789	8350000	-0.2505	0.0009	0
chr18	8650001	8750000	648	636	8700000	0.22293	0.00246	0
chr18	8700001	8800000	681	649	8750000	0.265399	0.000412	0
chr18	9100001	9200000	621	601	9150000	0.243191	0.001083	0
chr18	9150001	9250000	553	554	9200000	0.193357	0.007334	0
chr18	9700001	9800000	772	701	9750000	0.335149	1.26E-05	0
chr18	9750001	9850000	766	735	9800000	0.255563	0.000638	0
chr18	9800001	9900000	736	741	9850000	0.186195	0.009378	0
chr18	9850001	9950000	744	738	9900000	0.207645	0.004394	0
chr18	10500001	10600000	548	551	10550000	0.188087	0.008795	0
chr18	11600001	11700000	501	436	11650000	0.396446	3.38E-07	0
chr18	11650001	11750000	741	721	11700000	0.235437	0.001493	0
chr18	11800001	11900000	632	621	11850000	0.221294	0.002621	0
chr18	11850001	11950000	579	557	11900000	0.251849	0.00075	0
chr18	12100001	12200000	240	314	12150000	-0.19177	0.008222	0
chr18	12350001	12450000	641	636	12400000	0.207261	0.004456	0
chr18	14150001	14250000	51	80	14200000	-0.45354	1.44E-08	0
chr18	14200001	14300000	64	105	14250000	-0.51828	1.55E-10	0
chr18	14250001	14350000	78	134	14300000	-0.58472	9.44E-13	0
chr18	14300001	14400000	51	89	14350000	-0.60735	1.51E-13	0
chr18	14350001	14450000	37	52	14400000	-0.29502	0.000124	0
chr18	14450001	14550000	26	37	14500000	-0.31305	5.18E-05	0
chr18	14550001	14650000	48	47	14600000	0.226337	0.002152	0
chr18	14600001	14700000	40	54	14650000	-0.237	0.001559	0
chr18	14700001	14800000	162	224	14750000	-0.27154	0.000365	0
chr18	14750001	14850000	120	167	14800000	-0.28085	0.00024	0
chr18	14950001	15050000	96	126	1.50E+07	-0.19635	0.007033	0
chr18	15050001	15150000	39	51	15100000	-0.19106	0.008421	0
chr18	15150001	15250000	81	72	15200000	0.365888	2.19E-06	0
chr18	15200001	15300000	40	30	15250000	0.611001	2.44E-14	0
chr18	15300001	15400000	36	74	15350000	-0.84357	6.98E-23	0
chr18	15350001	15450000	65	99	15400000	-0.41103	2.20E-07	0
chr18	19150001	19250000	563	563	19200000	0.195963	0.006694	0
chr18	19200001	19300000	589	559	19250000	0.271382	0.000314	0
chr18	19250001	19350000	609	584	19300000	0.256437	0.000614	0
chr18	20600001	20700000	599	588	20650000	0.222703	0.002482	0
chr18	20650001	20750000	637	618	20700000	0.23965	0.001255	0
chr18	21550001	21650000	667	656	21600000	0.219954	0.002761	0
chr18	21950001	22050000	627	630	2.20E+07	0.189077	0.008502	0
chr18	22950001	23050000	453	607	2.30E+07	-0.22622	0.002374	0
chr18	23750001	23850000	407	535	23800000	-0.19855	0.00652	0
chr18	24750001	24850000	445	597	24800000	-0.22796	0.00222	0
chr18	25200001	25300000	430	575	25250000	-0.22326	0.002658	0
chr18	25350001	25450000	383	503	25400000	-0.19725	0.006819	0

chr18	25450001	25550000	394	525	25500000	-0.21816	0.00322	0
chr18	25500001	25600000	409	539	25550000	-0.20222	0.005735	0
chr18	25600001	25700000	404	546	25650000	-0.23858	0.001463	0
chr18	25650001	25750000	434	591	25700000	-0.2495	0.000938	0
chr18	25850001	25950000	375	502	25900000	-0.22483	0.002504	0
chr18	26300001	26400000	373	490	26350000	-0.19764	0.006727	0
chr18	26900001	27000000	349	471	26950000	-0.23654	0.001587	0
chr18	27250001	27350000	361	483	27300000	-0.22406	0.002578	0
chr18	27300001	27400000	355	486	27350000	-0.25717	0.00068	0
chr18	27600001	27700000	358	493	27650000	-0.26567	0.000472	0
chr18	27650001	27750000	402	530	27700000	-0.20283	0.005613	0
chr18	27700001	27800000	387	508	27750000	-0.19653	0.00699	0
chr18	28150001	28250000	399	521	28200000	-0.18893	0.009044	0
chr18	28400001	28500000	373	491	28450000	-0.20058	0.006074	0
chr18	28550001	28650000	400	531	28600000	-0.21275	0.003932	0
chr18	28750001	28850000	409	549	28800000	-0.22874	0.002154	0
chr18	28950001	29050000	446	586	2.90E+07	-0.19789	0.006669	0
chr18	29450001	29550000	463	461	29500000	0.202208	0.005358	0
chr18	30650001	30750000	366	494	30700000	-0.2367	0.001577	0
chr18	31650001	31750000	366	479	31700000	-0.19222	0.008098	0
chr18	31900001	32000000	423	552	31950000	-0.18805	0.009314	0
chr18	32100001	32200000	435	581	32150000	-0.22156	0.002835	0
chr18	34550001	34650000	368	496	34600000	-0.23467	0.001709	0
chr18	35100001	35200000	547	716	35150000	-0.19246	0.008033	0
chr18	35900001	36000000	395	568	35950000	-0.32808	2.42E-05	0
chr18	35950001	36050000	423	553	3.60E+07	-0.19066	0.008535	0
chr18	36200001	36300000	381	511	36250000	-0.22757	0.002254	0
chr18	36250001	36350000	379	506	36300000	-0.22098	0.002898	0
chr18	36300001	36400000	396	524	36350000	-0.2081	0.004653	0
chr18	36500001	36600000	416	548	36550000	-0.20163	0.005856	0
chr18	38000001	38100000	389	528	38050000	-0.2448	0.001138	0
chr18	38050001	38150000	365	523	38100000	-0.32295	3.15E-05	0
chr18	38300001	38400000	375	511	38350000	-0.25047	0.000901	0
chr18	38350001	38450000	361	484	38400000	-0.22705	0.0023	0
chr18	38650001	38750000	388	529	38700000	-0.25125	0.000872	0
chr18	39050001	39150000	421	565	39100000	-0.22847	0.002177	0
chr18	39300001	39400000	408	596	39350000	-0.35078	7.27E-06	0
chr18	40250001	40350000	389	526	40300000	-0.23933	0.00142	0
chr18	40750001	40850000	405	528	40800000	-0.18665	0.009755	0
chr18	40800001	40900000	366	521	40850000	-0.31348	5.07E-05	0
chr18	40850001	40950000	361	502	40900000	-0.27973	0.000253	0
chr18	41050001	41150000	409	547	41100000	-0.22348	0.002636	0
chr18	41100001	41200000	400	553	41150000	-0.27132	0.000368	0
chr18	41150001	41250000	391	530	41200000	-0.24286	0.001232	0
chr18	41250001	41350000	411	414	41300000	0.185471	0.00961	0
chr18	41600001	41700000	391	558	41650000	-0.31713	4.23E-05	0
chr18	41650001	41750000	380	554	41700000	-0.34792	8.49E-06	0

chr18	41800001	41900000	354	462	41850000	-0.18818	0.009273	0
chr18	42950001	43050000	492	652	4.30E+07	-0.21025	0.004306	0
chr18	43400001	43500000	696	665	43450000	0.261696	0.000487	0
chr18	43450001	43550000	648	632	43500000	0.232032	0.001714	0
chr18	43900001	44000000	746	748	43950000	0.1921	0.007661	0
chr18	45550001	45650000	745	745	45600000	0.195963	0.006694	0
chr18	45600001	45700000	768	734	45650000	0.261289	0.000496	0
chr18	46350001	46450000	813	804	46400000	0.212023	0.003734	0
chr18	46400001	46500000	801	761	46450000	0.269869	0.000337	0
chr18	46450001	46550000	787	781	46500000	0.207004	0.004499	0
chr18	46900001	47000000	554	556	46950000	0.190764	0.008023	0
chr18	46950001	47050000	509	496	4.70E+07	0.233289	0.001629	0
chr18	47300001	47400000	652	636	47350000	0.231808	0.00173	0
chr18	48400001	48500000	579	583	48450000	0.186031	0.00943	0
chr18	49000001	49100000	438	571	49050000	-0.1866	0.009773	0
chr18	49050001	49150000	431	569	49100000	-0.20478	0.00524	0
chr18	49650001	49750000	401	543	49700000	-0.24139	0.001307	0
chr18	50300001	50400000	232	304	50350000	-0.19398	0.007627	0
chr18	50400001	50500000	194	261	50450000	-0.23203	0.001896	0
chr18	50450001	50550000	198	287	50500000	-0.33959	1.33E-05	0
chr18	50700001	50800000	226	226	50750000	0.195963	0.006694	0
chr18	50850001	50950000	238	223	50900000	0.289881	0.000131	0
chr18	51000001	51100000	202	266	51050000	-0.20111	0.005964	0
chr18	51050001	51150000	201	316	51100000	-0.45677	1.16E-08	0
chr18	51100001	51200000	192	297	51150000	-0.43339	5.38E-08	0
chr18	51150001	51250000	200	272	51200000	-0.24764	0.001013	0
chr18	51550001	51650000	245	344	51600000	-0.29366	0.000133	0
chr18	51600001	51700000	262	343	51650000	-0.19268	0.007973	0
chr18	51950001	52050000	240	318	5.20E+07	-0.21003	0.004341	0
chr18	52000001	52100000	146	201	52050000	-0.26526	0.00048	0
chr18	52400001	52500000	317	296	52450000	0.294849	0.000103	0
chr18	52450001	52550000	293	291	52500000	0.205845	0.004694	0
chr18	52650001	52750000	239	321	52700000	-0.2296	0.002084	0
chr18	52950001	53050000	244	320	5.30E+07	-0.19523	0.00731	0
chr18	53300001	53400000	214	287	53350000	-0.22748	0.002262	0
chr18	53350001	53450000	192	267	53400000	-0.27977	0.000252	0
chr18	53400001	53500000	198	262	53450000	-0.2081	0.004653	0
chr18	53500001	53600000	198	289	53550000	-0.34961	7.75E-06	0
chr18	53550001	53650000	185	262	53600000	-0.30608	7.31E-05	0
chr18	53800001	53900000	244	322	53850000	-0.20422	0.005345	0
chr18	53950001	54050000	222	301	5.40E+07	-0.24324	0.001213	0
chr18	54000001	54100000	189	291	54050000	-0.42667	8.26E-08	0
chr18	54050001	54150000	206	280	54100000	-0.24682	0.001048	0
chr18	54650001	54750000	244	334	54700000	-0.257	0.000685	0
chr18	54900001	55000000	257	335	54950000	-0.18643	0.009827	0
chr18	55900001	56000000	293	389	55950000	-0.21291	0.00391	0
chr18	56300001	56400000	325	318	56350000	0.227376	0.002065	0

chr18	56500001	56600000	319	304	56550000	0.265448	0.000411	0
chr18	56600001	56700000	273	358	56650000	-0.1951	0.007343	0
chr18	56950001	57050000	315	308	5.70E+07	0.228385	0.001984	0
chr18	57200001	57300000	242	326	57250000	-0.2339	0.001762	0
chr18	57450001	57550000	217	297	57500000	-0.2568	0.000691	0
chr18	57750001	57850000	233	321	57800000	-0.26628	0.00046	0
chr18	57800001	57900000	225	294	57850000	-0.18993	0.008747	0
chr18	58500001	58600000	260	253	58550000	0.235337	0.001499	0
chr18	58650001	58750000	221	295	58700000	-0.22071	0.002927	0
chr18	58700001	58800000	217	305	58750000	-0.29515	0.000124	0
chr18	59200001	59300000	209	274	59250000	-0.19471	0.00744	0
chr18	59900001	60000000	336	321	59950000	0.261851	0.000483	0
chr18	59950001	60050000	352	336	6.00E+07	0.263077	0.000458	0
chr18	60150001	60250000	307	305	60200000	0.205392	0.004772	0
chr18	60200001	60300000	320	317	60250000	0.209552	0.004094	0
chr18	61950001	62050000	195	260	6.20E+07	-0.21907	0.003112	0
chr18	62000001	62100000	183	242	62050000	-0.2072	0.004806	0
chr18	62250001	62350000	194	254	62300000	-0.19281	0.007938	0
chr18	62400001	62500000	202	265	62450000	-0.19567	0.007199	0
chr18	62450001	62550000	195	261	62500000	-0.22461	0.002525	0
chr18	62750001	62850000	190	252	62800000	-0.21146	0.004121	0
chr18	62800001	62900000	205	280	62850000	-0.25384	0.000783	0
chr18	63050001	63150000	192	263	63100000	-0.25799	0.000657	0
chr18	63200001	63300000	186	243	63250000	-0.18969	0.008817	0
chr18	63300001	63400000	182	240	63350000	-0.20313	0.005554	0
chr18	63350001	63450000	182	261	63400000	-0.32415	2.96E-05	0
chr18	63400001	63500000	181	242	63450000	-0.22305	0.002679	0
chr18	64100001	64200000	215	297	64150000	-0.27016	0.000388	0
chr18	64150001	64250000	212	299	64200000	-0.30012	9.75E-05	0
chr18	64200001	64300000	205	270	64250000	-0.20137	0.005909	0
chr18	64450001	64550000	197	262	64500000	-0.21541	0.003566	0
chr18	64600001	64700000	198	289	64650000	-0.34961	7.75E-06	0
chr18	64650001	64750000	217	300	64700000	-0.2713	0.000369	0
chr18	64800001	64900000	216	291	64850000	-0.23402	0.001753	0
chr18	65250001	65350000	247	323	65300000	-0.19106	0.008421	0
chr18	65850001	65950000	198	293	65900000	-0.36944	2.58E-06	0
chr18	65900001	66000000	193	291	65950000	-0.39646	5.34E-07	0
chr18	66050001	66150000	257	248	66100000	0.247391	0.000907	0
chr18	66150001	66250000	219	298	66200000	-0.24842	0.000981	0
chr18	66800001	66900000	222	301	66850000	-0.24324	0.001213	0
chr18	67000001	67100000	277	275	67050000	0.206417	0.004597	0
chr18	67100001	67200000	218	299	67150000	-0.25985	0.000607	0
chr18	67150001	67250000	215	297	67200000	-0.27016	0.000388	0
chr18	68300001	68400000	252	248	68350000	0.219047	0.002859	0
chr18	68400001	68500000	198	262	68450000	-0.2081	0.004653	0
chr18	68800001	68900000	197	263	68850000	-0.2209	0.002906	0
chr18	69150001	69250000	199	260	69200000	-0.18978	0.008791	0



chr18	69500001	69600000	182	251	69550000	-0.26779	0.00043	0
chr18	69650001	69750000	191	254	69700000	-0.21529	0.003581	0
chr18	70050001	70150000	217	212	70100000	0.229594	0.00189	0
chr18	70100001	70200000	240	239	70150000	0.201987	0.005401	0
chr18	70250001	70350000	174	247	70300000	-0.30946	6.19E-05	0
chr18	70300001	70400000	174	249	70350000	-0.3211	3.46E-05	0
chr18	70350001	70450000	179	242	70400000	-0.23908	0.001434	0
chr18	70450001	70550000	217	296	70500000	-0.25194	0.000848	0
chr18	70500001	70600000	185	286	70550000	-0.43253	5.69E-08	0
chr18	70550001	70650000	163	249	70600000	-0.41531	1.69E-07	0
chr18	70600001	70700000	175	231	70650000	-0.20457	0.005278	0
chr18	70650001	70750000	184	252	70700000	-0.25775	0.000663	0
chr18	70700001	70800000	186	266	70750000	-0.32016	3.63E-05	0
chr18	71100001	71200000	201	202	71150000	0.188803	0.008582	0
chr18	71350001	71450000	235	321	71400000	-0.25395	0.000779	0
chr18	71550001	71650000	204	278	71600000	-0.25055	0.000898	0
chr18	71600001	71700000	182	256	71650000	-0.29624	0.000117	0
chr18	72000001	72100000	270	358	72050000	-0.21104	0.004185	0
chr18	72100001	72200000	328	318	72150000	0.240632	0.001205	0
chr18	73250001	73350000	212	297	73300000	-0.29044	0.000154	0
chr18	73300001	73400000	207	278	73350000	-0.22949	0.002093	0
chr18	73400001	73500000	241	319	73450000	-0.20856	0.004577	0
chr18	73450001	73550000	260	343	73500000	-0.20373	0.005437	0
chr18	74150001	74250000	321	314	74200000	0.227772	0.002033	0
chr18	74500001	74600000	303	272	74550000	0.351674	5.00E-06	0
chr18	74550001	74650000	317	292	74600000	0.314478	3.81E-05	0
chr18	74650001	74750000	280	373	74700000	-0.21779	0.003265	0
chr18	74700001	74800000	286	373	74750000	-0.1872	0.009581	0
chr18	75150001	75250000	231	306	75200000	-0.20968	0.004397	0
chr18	75550001	75650000	300	299	75600000	0.20078	0.00564	0
chr18	75600001	75700000	285	280	75650000	0.221498	0.002601	0
chr18	75800001	75900000	286	286	75850000	0.195963	0.006694	0
chr18	76300001	76400000	323	311	76350000	0.250583	0.000792	0
chr18	76350001	76450000	317	296	76400000	0.294849	0.000103	0
chr18	77500001	77600000	359	330	77550000	0.317481	3.25E-05	0
chr18	77550001	77650000	331	325	77600000	0.222355	0.002516	0
chr18	78000001	78100000	63	55	78050000	0.391883	4.50E-07	0
chr18	150001	250000	538	561	2.00E+05	0.135568	0.043445	0
chr18	850001	950000	574	581	9.00E+05	0.178476	0.012126	0
chr18	1100001	1200000	428	539	1150000	-0.13671	0.043133	0
chr18	1150001	1250000	455	571	1200000	-0.13166	0.049218	0
chr18	1250001	1350000	418	543	1300000	-0.18149	0.011553	0
chr18	1450001	1550000	432	560	1500000	-0.17843	0.012746	0
chr18	1600001	1700000	417	531	1650000	-0.1527	0.027779	0
chr18	1650001	1750000	433	555	1700000	-0.16216	0.021077	0
chr18	2400001	2500000	535	697	2450000	-0.18566	0.010081	0
chr18	2500001	2600000	611	623	2550000	0.167903	0.017007	0

chr18	3000001	3100000	562	578	3050000	0.155464	0.02482	0
chr18	3500001	3600000	511	650	3550000	-0.15115	0.029031	0
chr18	3850001	3950000	576	739	3900000	-0.16354	0.020222	0
chr18	4250001	4350000	532	550	4300000	0.147958	0.030855	0
chr18	4300001	4400000	524	547	4350000	0.133989	0.045314	0
chr18	5150001	5250000	484	614	5200000	-0.14727	0.032381	0
chr18	5350001	5450000	479	606	5400000	-0.14333	0.036099	0
chr18	5700001	5800000	440	567	5750000	-0.16988	0.016674	0
chr18	5900001	6000000	465	597	5950000	-0.16454	0.019626	0
chr18	5950001	6050000	439	561	6.00E+06	-0.15782	0.02396	0
chr18	6300001	6400000	412	529	6350000	-0.16466	0.019553	0
chr18	8350001	8450000	610	775	8400000	-0.14942	0.030485	0
chr18	8750001	8850000	676	700	8800000	0.145631	0.032956	0
chr18	9050001	9150000	646	671	9100000	0.141184	0.0373	0
chr18	9250001	9350000	555	560	9300000	0.183024	0.010433	0
chr18	9650001	9750000	691	708	9700000	0.160899	0.021097	0
chr18	9900001	10000000	692	716	9950000	0.146775	0.031908	0
chr18	10400001	10500000	679	703	10450000	0.14585	0.032753	0
chr18	10450001	10550000	676	687	10500000	0.172676	0.014627	0
chr18	10550001	10650000	270	275	10600000	0.169491	0.016181	0
chr18	11900001	12000000	560	568	11950000	0.175499	0.013359	0
chr18	12450001	12550000	536	694	12500000	-0.17674	0.013453	0
chr18	12550001	12650000	591	600	12600000	0.174159	0.013948	0
chr18	12900001	13000000	618	646	12950000	0.132036	0.047714	0
chr18	12950001	13050000	646	658	1.30E+07	0.16941	0.016222	0
chr18	13150001	13250000	687	711	13200000	0.146424	0.032227	0
chr18	14000001	14100000	428	541	14050000	-0.14205	0.037375	0
chr18	14650001	14750000	92	117	14700000	-0.15084	0.02929	0
chr18	18900001	19000000	553	568	18950000	0.157352	0.023468	0
chr18	19100001	19200000	558	584	19150000	0.13026	0.049983	0
chr18	19350001	19450000	582	605	19400000	0.140047	0.038484	0
chr18	19550001	19650000	481	612	19600000	-0.15153	0.028721	0
chr18	19600001	19700000	496	627	19650000	-0.14216	0.037266	0
chr18	19650001	19750000	547	568	19700000	0.141613	0.036862	0
chr18	19700001	19800000	594	617	19750000	0.141155	0.03733	0
chr18	19800001	19900000	658	678	19850000	0.152765	0.026864	0
chr18	20000001	20100000	605	760	20050000	-0.1331	0.047417	0
chr18	20050001	20150000	585	739	20100000	-0.14117	0.038277	0
chr18	20700001	20800000	709	722	20750000	0.16975	0.016049	0
chr18	21050001	21150000	634	663	21100000	0.131437	0.048469	0
chr18	21350001	21450000	681	698	21400000	0.160391	0.021424	0
chr18	21600001	21700000	630	649	21650000	0.153096	0.026606	0
chr18	22000001	22100000	633	639	22050000	0.182353	0.010669	0
chr18	22700001	22800000	487	611	22750000	-0.13129	0.049695	0
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chr18	23000001	23100000	456	573	23050000	-0.13354	0.046881	0
chr18	23450001	23550000	497	625	23500000	-0.13465	0.045542	0

chr18	23550001	23650000	534	556	23600000	0.137718	0.041003	0
chr18	24450001	24550000	437	549	24500000	-0.13321	0.047283	0
chr18	24500001	24600000	436	562	24550000	-0.17028	0.016471	0
chr18	24950001	25050000	443	566	2.50E+07	-0.15753	0.024161	0
chr18	25150001	25250000	432	549	25200000	-0.14981	0.030154	0
chr18	25750001	25850000	341	431	25800000	-0.14195	0.037478	0
chr18	25800001	25900000	337	433	25850000	-0.16566	0.018974	0
chr18	26350001	26450000	400	504	26400000	-0.13746	0.042285	0
chr18	26500001	26600000	405	520	26550000	-0.16463	0.019573	0
chr18	26750001	26850000	369	464	26800000	-0.13454	0.045669	0
chr18	27200001	27300000	399	506	27250000	-0.14679	0.032819	0
chr18	27350001	27450000	390	507	27400000	-0.18255	0.011161	0
chr18	27500001	27600000	389	499	27550000	-0.16331	0.020365	0
chr18	27750001	27850000	374	486	27800000	-0.18196	0.011378	0
chr18	27950001	28050000	395	502	2.80E+07	-0.14987	0.030103	0
chr18	28000001	28100000	386	486	28050000	-0.13639	0.043498	0
chr18	28200001	28300000	412	536	28250000	-0.18363	0.010776	0
chr18	28600001	28700000	445	561	28650000	-0.13823	0.041425	0
chr18	28700001	28800000	422	541	28750000	-0.16242	0.020911	0
chr18	29350001	29450000	509	516	29400000	0.176258	0.013034	0
chr18	29400001	29500000	522	533	29450000	0.165877	0.018114	0
chr18	29650001	29750000	475	493	29700000	0.142303	0.036166	0
chr18	29900001	30000000	466	590	29950000	-0.14442	0.035034	0
chr18	30400001	30500000	435	555	30450000	-0.15551	0.025624	0
chr18	30450001	30550000	449	579	30500000	-0.17088	0.016165	0
chr18	30700001	30800000	379	490	30750000	-0.17462	0.014385	0
chr18	31100001	31200000	417	534	31150000	-0.16083	0.021926	0
chr18	31350001	31450000	368	469	31400000	-0.15392	0.026827	0
chr18	31600001	31700000	434	553	31650000	-0.15362	0.027057	0
chr18	31750001	31850000	387	488	31800000	-0.13858	0.041037	0
chr18	32050001	32150000	440	557	32100000	-0.14421	0.035238	0
chr18	32150001	32250000	438	567	32200000	-0.17645	0.013575	0
chr18	33100001	33200000	668	676	33150000	0.178788	0.012002	0
chr18	33150001	33250000	680	687	33200000	0.181188	0.01109	0
chr18	33700001	33800000	661	669	33750000	0.178607	0.012074	0
chr18	33750001	33850000	603	615	33800000	0.167535	0.017204	0
chr18	35150001	35250000	500	634	35200000	-0.14659	0.032996	0
chr18	35600001	35700000	430	547	35650000	-0.15124	0.028959	0
chr18	35650001	35750000	425	552	35700000	-0.18124	0.011644	0
chr18	36150001	36250000	420	537	36200000	-0.15857	0.023438	0
chr18	36450001	36550000	433	551	36500000	-0.15172	0.028566	0
chr18	36950001	37050000	395	501	3.70E+07	-0.14699	0.032628	0
chr18	37050001	37150000	434	548	37100000	-0.14052	0.038963	0
chr18	37100001	37200000	416	525	37150000	-0.13977	0.039754	0
chr18	37200001	37300000	458	581	37250000	-0.14723	0.032418	0
chr18	37350001	37450000	453	572	37400000	-0.14054	0.038938	0
chr18	38100001	38200000	391	504	38150000	-0.17029	0.016464	0

chr18	38150001	38250000	402	508	38200000	-0.14167	0.037767	0
chr18	38600001	38700000	381	491	38650000	-0.16997	0.016629	0
chr18	39100001	39200000	453	569	39150000	-0.13295	0.047598	0
chr18	39250001	39350000	472	607	39300000	-0.16695	0.018244	0
chr18	39700001	39800000	430	556	39750000	-0.17479	0.014311	0
chr18	39750001	39850000	429	543	39800000	-0.14401	0.035431	0
chr18	39850001	39950000	448	566	39900000	-0.14134	0.038106	0
chr18	39900001	40000000	434	563	39950000	-0.17948	0.012326	0
chr18	40100001	40200000	425	549	40150000	-0.17338	0.014956	0
chr18	40450001	40550000	439	563	40500000	-0.16295	0.020584	0
chr18	41000001	41100000	402	513	41050000	-0.1558	0.025409	0
chr18	42450001	42550000	478	613	42500000	-0.16291	0.020607	0
chr18	43000001	43100000	491	638	43050000	-0.18187	0.01141	0
chr18	43200001	43300000	643	668	43250000	0.140934	0.037559	0
chr18	43350001	43450000	593	601	43400000	0.17663	0.012878	0
chr18	43500001	43600000	621	647	43550000	0.136791	0.042043	0
chr18	43750001	43850000	592	614	43800000	0.143322	0.035157	0
chr18	43800001	43900000	707	725	43850000	0.159692	0.02188	0
chr18	43850001	43950000	760	770	43900000	0.177104	0.012681	0
chr18	44200001	44300000	708	733	44250000	0.145899	0.032708	0
chr18	45650001	45750000	758	780	45700000	0.154687	0.025394	0
chr18	46000001	46100000	676	702	46050000	0.141515	0.036962	0
chr18	46300001	46400000	797	821	46350000	0.153161	0.026556	0
chr18	47000001	47100000	539	554	47050000	0.156362	0.024168	0
chr18	47150001	47250000	517	663	47200000	-0.16288	0.020626	0
chr18	47200001	47300000	502	630	47250000	-0.1317	0.049167	0
chr18	47350001	47450000	724	730	47400000	0.184056	0.010079	0
chr18	47900001	48000000	561	576	47950000	0.157895	0.023091	0
chr18	48350001	48450000	592	602	48400000	0.171797	0.015042	0
chr18	48850001	48950000	456	594	48900000	-0.18547	0.010145	0
chr18	49300001	49400000	433	552	49350000	-0.15434	0.026505	0
chr18	49350001	49450000	438	551	49400000	-0.13516	0.044936	0
chr18	49600001	49700000	430	541	49650000	-0.13533	0.044735	0
chr18	49700001	49800000	457	580	49750000	-0.1479	0.031819	0
chr18	49900001	50000000	483	608	49950000	-0.13609	0.043853	0
chr18	50350001	50450000	193	250	50400000	-0.17736	0.013188	0
chr18	50500001	50600000	204	256	50550000	-0.13161	0.049281	0
chr18	50800001	50900000	236	240	50850000	0.171715	0.015081	0
chr18	50950001	51050000	199	257	5.10E+07	-0.17304	0.015118	0
chr18	51200001	51300000	226	284	51250000	-0.13361	0.046799	0
chr18	51450001	51550000	244	307	51500000	-0.13539	0.044658	0
chr18	51500001	51600000	236	303	51550000	-0.16457	0.019608	0
chr18	52050001	52150000	25	32	52100000	-0.16018	0.022351	0
chr18	52350001	52450000	308	318	52400000	0.149867	0.029215	0
chr18	52900001	53000000	256	323	52950000	-0.13943	0.040122	0
chr18	53200001	53300000	220	282	53250000	-0.16223	0.021033	0
chr18	53250001	53350000	233	302	53300000	-0.17826	0.012818	0

chr18	53450001	53550000	215	276	53500000	-0.16437	0.019726	0
chr18	54150001	54250000	219	277	54200000	-0.14299	0.036433	0
chr18	54450001	54550000	235	306	54500000	-0.18491	0.010333	0
chr18	54600001	54700000	256	324	54650000	-0.14389	0.035552	0
chr18	55200001	55300000	266	277	55250000	0.137503	0.041242	0
chr18	55850001	55950000	282	367	55900000	-0.18412	0.010602	0
chr18	56350001	56450000	298	307	56400000	0.153037	0.026652	0
chr18	56400001	56500000	276	288	56450000	0.134562	0.044628	0
chr18	56450001	56550000	286	291	56500000	0.170959	0.015448	0
chr18	56750001	56850000	286	364	56800000	-0.15196	0.028373	0
chr18	56900001	57000000	271	279	56950000	0.153991	0.025919	0
chr18	57000001	57100000	275	279	57050000	0.17513	0.013519	0
chr18	57150001	57250000	242	314	57200000	-0.17979	0.012201	0
chr18	57250001	57350000	234	303	57300000	-0.17685	0.013407	0
chr18	57350001	57450000	272	279	57400000	0.159305	0.022136	0
chr18	57400001	57500000	225	292	57450000	-0.18008	0.012089	0
chr18	57500001	57600000	285	290	57550000	0.170872	0.01549	0
chr18	57550001	57650000	303	312	57600000	0.153735	0.026114	0
chr18	58350001	58450000	244	307	58400000	-0.13539	0.044658	0
chr18	58400001	58500000	218	278	58450000	-0.15479	0.02616	0
chr18	58450001	58550000	225	230	58500000	0.164254	0.019044	0
chr18	58550001	58650000	254	261	58600000	0.156742	0.023898	0
chr18	58750001	58850000	227	294	58800000	-0.17716	0.013274	0
chr18	58900001	59000000	229	297	58950000	-0.17915	0.012456	0
chr18	59050001	59150000	230	290	59100000	-0.13846	0.041179	0
chr18	59250001	59350000	238	307	59300000	-0.17131	0.015951	0
chr18	59700001	59800000	236	297	59750000	-0.13571	0.044285	0
chr18	60750001	60850000	284	365	60800000	-0.16604	0.018753	0
chr18	61150001	61250000	262	332	61200000	-0.14565	0.033865	0
chr18	61200001	61300000	252	317	61250000	-0.1351	0.045009	0
chr18	61250001	61350000	192	248	61300000	-0.17327	0.015008	0
chr18	61400001	61500000	204	261	61450000	-0.15952	0.022793	0
chr18	61450001	61550000	207	268	61500000	-0.17664	0.013496	0
chr18	62150001	62250000	185	233	62200000	-0.13684	0.042985	0
chr18	62500001	62600000	202	257	62550000	-0.15145	0.028788	0
chr18	62550001	62650000	201	256	62600000	-0.15299	0.027555	0
chr18	62600001	62700000	205	265	62650000	-0.17441	0.014483	0
chr18	62700001	62800000	206	260	62750000	-0.1399	0.039612	0
chr18	62850001	62950000	225	287	62900000	-0.15516	0.025883	0
chr18	63100001	63200000	191	248	63150000	-0.1808	0.01181	0
chr18	63250001	63350000	179	227	63300000	-0.14677	0.032833	0
chr18	64350001	64450000	193	245	64400000	-0.14822	0.031534	0
chr18	64500001	64600000	200	257	64550000	-0.16581	0.018888	0
chr18	64550001	64650000	203	255	64600000	-0.13305	0.047474	0
chr18	64850001	64950000	225	286	64900000	-0.15013	0.029887	0
chr18	64950001	65050000	255	264	6.50E+07	0.145922	0.032687	0
chr18	65050001	65150000	236	305	65100000	-0.17406	0.014641	0

chr18	65200001	65300000	254	325	65250000	-0.15965	0.022706	0
chr18	65650001	65750000	225	292	65700000	-0.18008	0.012089	0
chr18	65700001	65800000	235	297	65750000	-0.14184	0.037594	0
chr18	66200001	66300000	226	288	66250000	-0.15378	0.026932	0
chr18	66650001	66750000	231	299	66700000	-0.17629	0.013646	0
chr18	66750001	66850000	225	289	66800000	-0.16518	0.019248	0
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chr18	67900001	68000000	293	303	67950000	0.147546	0.031218	0
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chr18	69600001	69700000	195	254	69650000	-0.18539	0.01017	0
chr18	70150001	70250000	257	261	70200000	0.173682	0.014164	0
chr18	70400001	70500000	205	259	70450000	-0.14137	0.038081	0
chr18	70750001	70850000	204	260	70800000	-0.15398	0.02678	0
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chr18	71150001	71250000	223	230	71200000	0.151373	0.027973	0
chr18	71300001	71400000	238	306	71350000	-0.16661	0.018434	0
chr18	71400001	71500000	233	296	71450000	-0.1493	0.030588	0
chr18	71450001	71550000	229	289	71500000	-0.13976	0.039767	0
chr18	72250001	72350000	151	153	72300000	0.17698	0.012732	0
chr18	72550001	72650000	262	329	72600000	-0.13256	0.04809	0
chr18	72600001	72700000	262	331	72650000	-0.1413	0.038146	0
chr18	72750001	72850000	297	310	72800000	0.134158	0.045111	0
chr18	72800001	72900000	315	329	72850000	0.133227	0.046238	0
chr18	73050001	73150000	245	310	73100000	-0.14352	0.035908	0
chr18	73100001	73200000	236	302	73150000	-0.1598	0.022605	0
chr18	73600001	73700000	225	286	73650000	-0.15013	0.029887	0
chr18	73950001	74050000	249	252	7.40E+07	0.178685	0.012043	0
chr18	74100001	74200000	314	319	74150000	0.173171	0.014397	0
chr18	74400001	74500000	260	269	74450000	0.146868	0.031824	0
chr18	74850001	74950000	331	344	74900000	0.140386	0.038128	0
chr18	74900001	75000000	293	303	74950000	0.147546	0.031218	0
chr18	75050001	75150000	224	287	75100000	-0.16159	0.021437	0
chr18	75100001	75200000	231	298	75150000	-0.17146	0.015881	0
chr18	75300001	75400000	253	320	75350000	-0.14297	0.036454	0
chr18	75700001	75800000	140	176	75750000	-0.13419	0.046095	0
chr18	75950001	76050000	265	275	7.60E+07	0.142524	0.035945	0
chr18	76150001	76250000	309	316	76200000	0.163645	0.019403	0
chr18	76400001	76500000	308	314	76450000	0.168129	0.016887	0
chr18	76500001	76600000	333	337	76550000	0.178737	0.012022	0
chr18	77250001	77350000	374	390	77300000	0.135527	0.043493	0
chr18	77600001	77700000	356	371	77650000	0.136421	0.042463	0
chr18	77650001	77750000	345	357	77700000	0.146635	0.032035	0
chr18	77700001	77800000	301	314	77750000	0.134962	0.044155	0
chr18	77850001	77950000	352	363	77900000	0.151569	0.027814	0
chr19	1	100000	1	3	50000	-1.389	6.26E-48	0

chr19	50001	150000	4	6	1.00E+05	-0.389	8.31E-07	0
chr19	100001	200000	3	5	150000	-0.541	2.84E-11	0
chr19	150001	250000	8	14	2.00E+05	-0.61139	1.08E-13	0
chr19	200001	300000	404	400	250000	0.210318	0.003979	0
chr19	350001	450000	1033	1041	4.00E+05	0.184833	0.009819	0
chr19	400001	500000	1081	1082	450000	0.194629	0.007015	0
chr19	450001	550000	1036	1026	5.00E+05	0.209956	0.004033	0
chr19	500001	600000	1073	1014	550000	0.277555	0.000236	0
chr19	550001	650000	1072	1037	6.00E+05	0.243852	0.001054	0
chr19	750001	850000	1081	1074	8.00E+05	0.205336	0.004782	0
chr19	800001	900000	1158	1089	850000	0.284594	0.000169	0
chr19	850001	950000	1145	1010	9.00E+05	0.376955	1.13E-06	0
chr19	900001	1000000	1152	1012	950000	0.382894	7.86E-07	0
chr19	950001	1050000	1135	1039	1.00E+06	0.32346	2.37E-05	0
chr19	1000001	1100000	1148	1080	1050000	0.284054	0.000174	0
chr19	1050001	1150000	1194	1131	1100000	0.274167	0.000276	0
chr19	1100001	1200000	1047	999	1150000	0.263668	0.000446	0
chr19	1150001	1250000	845	822	1200000	0.235776	0.001472	0
chr19	1200001	1300000	1065	998	1250000	0.289705	0.000132	0
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chr19	1300001	1400000	1031	1037	1350000	0.187591	0.008944	0
chr19	1350001	1450000	1260	1132	1400000	0.350513	5.34E-06	0
chr19	1400001	1500000	1283	1047	1450000	0.489223	5.48E-10	0
chr19	1450001	1550000	1126	1026	1500000	0.330139	1.66E-05	0
chr19	1500001	1600000	1033	1011	1550000	0.22702	0.002094	0
chr19	1550001	1650000	1114	1038	1600000	0.297906	8.84E-05	0
chr19	1600001	1700000	1152	1070	1650000	0.302493	7.03E-05	0
chr19	1650001	1750000	1088	1020	1700000	0.289072	0.000136	0
chr19	1700001	1800000	1092	1097	1750000	0.189372	0.008416	0
chr19	1750001	1850000	1203	1209	1800000	0.188785	0.008587	0
chr19	1800001	1900000	1143	1086	1850000	0.269764	0.000338	0
chr19	1850001	1950000	1055	1014	1900000	0.253148	0.000709	0
chr19	1950001	2050000	1106	1035	2.00E+06	0.291684	0.00012	0
chr19	2000001	2100000	1049	943	2050000	0.349648	5.61E-06	0
chr19	2050001	2150000	1069	1045	2100000	0.228722	0.001957	0
chr19	2100001	2200000	1049	1033	2150000	0.218137	0.002961	0
chr19	2150001	2250000	1206	1110	2200000	0.315633	3.58E-05	0
chr19	2200001	2300000	1236	1118	2250000	0.340722	9.27E-06	0
chr19	2250001	2350000	1121	1016	2300000	0.337849	1.09E-05	0
chr19	2300001	2400000	1101	1014	2350000	0.31472	3.76E-05	0
chr19	2350001	2450000	1037	999	2400000	0.249822	0.000818	0
chr19	2400001	2500000	1038	982	2450000	0.275975	0.000254	0
chr19	2450001	2550000	965	924	2500000	0.258599	0.000558	0
chr19	2600001	2700000	1013	1010	2650000	0.200242	0.00575	0
chr19	2650001	2750000	1070	1013	2700000	0.27494	0.000266	0
chr19	2700001	2800000	1128	1089	2750000	0.246726	0.000933	0
chr19	2750001	2850000	1103	1076	2800000	0.231718	0.001736	0

chr19	2800001	2900000	1026	973	2850000	0.272482	0.000299	0
chr19	2850001	2950000	913	852	2900000	0.295724	9.85E-05	0
chr19	2900001	3000000	853	830	2950000	0.235397	0.001495	0
chr19	3000001	3100000	977	963	3050000	0.216786	0.003118	0
chr19	3050001	3150000	1061	1017	3100000	0.257068	0.000597	0
chr19	3100001	3200000	1087	1084	3150000	0.19995	0.00581	0
chr19	3250001	3350000	1041	986	3300000	0.274274	0.000275	0
chr19	3300001	3400000	1055	984	3350000	0.296476	9.49E-05	0
chr19	3350001	3450000	1055	1004	3400000	0.267447	0.000376	0
chr19	3400001	3500000	1121	1099	3450000	0.224558	0.002308	0
chr19	3450001	3550000	1229	1184	3500000	0.249779	0.000819	0
chr19	3500001	3600000	1114	996	3550000	0.357495	3.58E-06	0
chr19	3550001	3650000	1162	1019	3600000	0.385419	6.73E-07	0
chr19	3600001	3700000	1317	1244	3650000	0.278232	0.000229	0
chr19	3650001	3750000	1097	1067	3700000	0.235966	0.001461	0
chr19	3800001	3900000	997	975	3850000	0.228154	0.002002	0
chr19	4000001	4100000	1140	1084	4050000	0.268632	0.000356	0
chr19	4050001	4150000	1120	981	4100000	0.387137	6.05E-07	0
chr19	4100001	4200000	1059	977	4150000	0.312235	4.28E-05	0
chr19	4150001	4250000	978	966	4200000	0.213774	0.003496	0
chr19	4200001	4300000	903	909	4250000	0.186409	0.009311	0
chr19	4350001	4450000	1110	1084	4400000	0.230158	0.001848	0
chr19	4500001	4600000	1083	1058	4550000	0.229657	0.001886	0
chr19	4550001	4650000	1011	939	4600000	0.302549	7.01E-05	0
chr19	4600001	4700000	1068	1010	4650000	0.276519	0.000248	0
chr19	4650001	4750000	1163	1105	4700000	0.269768	0.000338	0
chr19	4750001	4850000	563	565	4800000	0.190847	0.008	0
chr19	4800001	4900000	513	494	4850000	0.250411	0.000797	0
chr19	4850001	4950000	580	543	4900000	0.291064	0.000124	0
chr19	4900001	5000000	688	634	4950000	0.313889	3.93E-05	0
chr19	4950001	5050000	733	707	5.00E+06	0.248066	0.000882	0
chr19	5000001	5100000	826	769	5050000	0.299121	8.32E-05	0
chr19	5150001	5250000	672	654	5200000	0.235134	0.001511	0
chr19	5300001	5400000	705	688	5350000	0.231178	0.001774	0
chr19	5550001	5650000	699	671	5600000	0.254943	0.000655	0
chr19	5600001	5700000	706	694	5650000	0.220696	0.002683	0
chr19	5650001	5750000	632	608	5700000	0.251816	0.000751	0
chr19	5700001	5800000	570	543	5750000	0.265973	0.000402	0
chr19	6350001	6450000	668	634	6400000	0.271328	0.000315	0
chr19	6450001	6550000	629	625	6500000	0.205167	0.004812	0
chr19	6500001	6600000	603	545	6550000	0.341865	8.70E-06	0
chr19	6550001	6650000	546	538	6600000	0.217258	0.003062	0
chr19	7300001	7400000	48	45	7350000	0.289072	0.000136	0
chr19	7400001	7500000	610	613	7450000	0.188885	0.008558	0
chr19	7450001	7550000	638	599	7500000	0.286963	0.000151	0
chr19	7500001	7600000	728	648	7550000	0.363908	2.46E-06	0
chr19	7550001	7650000	692	691	7600000	0.198049	0.006218	0



chr19	7650001	7750000	822	761	7700000	0.307205	5.54E-05	0
chr19	7700001	7800000	728	701	7750000	0.250487	0.000795	0
chr19	7750001	7850000	654	625	7800000	0.261397	0.000493	0
chr19	7800001	7900000	646	602	7850000	0.297734	8.92E-05	0
chr19	7950001	8050000	715	684	8.00E+06	0.25991	0.000527	0
chr19	8000001	8100000	666	656	8050000	0.217789	0.003001	0
chr19	8300001	8400000	473	437	8350000	0.31017	4.76E-05	0
chr19	8350001	8450000	519	480	8400000	0.308663	5.14E-05	0
chr19	8400001	8500000	564	521	8450000	0.310375	4.71E-05	0
chr19	8450001	8550000	630	597	8500000	0.273584	0.000284	0
chr19	8500001	8600000	684	686	8550000	0.191751	0.007754	0
chr19	9200001	9300000	643	587	9250000	0.327421	1.92E-05	0
chr19	9350001	9450000	536	540	9400000	0.185237	0.009687	0
chr19	9550001	9650000	444	579	9600000	-0.18704	0.009631	0
chr19	10150001	10250000	655	659	10200000	0.187179	0.00907	0
chr19	10350001	10450000	673	654	10400000	0.237279	0.001384	0
chr19	10400001	10500000	667	595	10450000	0.36076	2.96E-06	0
chr19	10450001	10550000	610	586	10500000	0.253872	0.000687	0
chr19	10500001	10600000	640	610	10550000	0.265226	0.000416	0
chr19	10650001	10750000	626	552	10700000	0.377457	1.10E-06	0
chr19	10700001	10800000	664	611	10750000	0.315974	3.52E-05	0
chr19	10750001	10850000	677	658	10800000	0.237031	0.001399	0
chr19	10900001	11000000	676	669	10950000	0.21098	0.003882	0
chr19	10950001	11050000	652	647	1.10E+07	0.207069	0.004488	0
chr19	11050001	11150000	676	643	11100000	0.268168	0.000364	0
chr19	11100001	11200000	735	625	11150000	0.429851	3.80E-08	0
chr19	11150001	11250000	638	552	11200000	0.404851	1.98E-07	0
chr19	11200001	11300000	621	598	11250000	0.250411	0.000797	0
chr19	11250001	11350000	687	689	11300000	0.191769	0.007749	0
chr19	11300001	11400000	662	639	11350000	0.246978	0.000923	0
chr19	11350001	11450000	570	564	11400000	0.21123	0.003846	0
chr19	11450001	11550000	652	640	11500000	0.222763	0.002476	0
chr19	11500001	11600000	653	655	11550000	0.191551	0.007808	0
chr19	11550001	11650000	679	676	11600000	0.202351	0.00533	0
chr19	11600001	11700000	655	655	11650000	0.195963	0.006694	0
chr19	12450001	12550000	462	435	12500000	0.28284	0.000184	0
chr19	12500001	12600000	405	406	12550000	0.192405	0.00758	0
chr19	12700001	12800000	611	601	12750000	0.21977	0.002781	0
chr19	12750001	12850000	696	681	12800000	0.227396	0.002063	0
chr19	12800001	12900000	701	702	12850000	0.193906	0.007194	0
chr19	12850001	12950000	822	823	12900000	0.194209	0.007119	0
chr19	12900001	13000000	993	962	12950000	0.24172	0.001152	0
chr19	12950001	13050000	1019	994	1.30E+07	0.231799	0.00173	0
chr19	13000001	13100000	1018	977	13050000	0.25527	0.000646	0
chr19	13050001	13150000	1196	1190	13100000	0.203219	0.005165	0
chr19	13200001	13300000	1302	1280	13250000	0.220549	0.002698	0
chr19	13800001	13900000	1222	1152	13850000	0.281067	0.0002	0

chr19	13850001	13950000	1302	1191	13900000	0.324519	2.24E-05	0
chr19	13900001	14000000	1352	1301	13950000	0.251437	0.000763	0
chr19	13950001	14050000	1419	1368	1.40E+07	0.248769	0.000855	0
chr19	14000001	14100000	1438	1405	14050000	0.229457	0.001901	0
chr19	14050001	14150000	1276	1243	14100000	0.233765	0.001598	0
chr19	14100001	14200000	1175	1156	14150000	0.219482	0.002812	0
chr19	14150001	14250000	1307	1266	14200000	0.241945	0.001141	0
chr19	14200001	14300000	1467	1399	14250000	0.264436	0.000431	0
chr19	14500001	14600000	1339	1315	14550000	0.222056	0.002545	0
chr19	14550001	14650000	1352	1206	14600000	0.360828	2.95E-06	0
chr19	14600001	14700000	1221	1141	14650000	0.293727	0.000109	0
chr19	15150001	15250000	1329	1315	15200000	0.211241	0.003845	0
chr19	15350001	15450000	1474	1480	15400000	0.190102	0.008208	0
chr19	15450001	15550000	1318	1282	15500000	0.235917	0.001464	0
chr19	16100001	16200000	959	913	16150000	0.266879	0.000386	0
chr19	16150001	16250000	945	927	16200000	0.223708	0.002386	0
chr19	16550001	16650000	958	907	16600000	0.274886	0.000267	0
chr19	16650001	16750000	1092	1085	16700000	0.205241	0.004799	0
chr19	17300001	17400000	1339	1247	17350000	0.298658	8.52E-05	0
chr19	17350001	17450000	1398	1290	17400000	0.311956	4.34E-05	0
chr19	17400001	17500000	1361	1292	17450000	0.271024	0.000319	0
chr19	17450001	17550000	1232	1150	17500000	0.295331	0.0001	0
chr19	17500001	17600000	1262	1146	17550000	0.335068	1.27E-05	0
chr19	17550001	17650000	1329	1218	17600000	0.32179	2.59E-05	0
chr19	17600001	17700000	1311	1228	17650000	0.29032	0.000128	0
chr19	17650001	17750000	1302	1235	17700000	0.272181	0.000303	0
chr19	17700001	17800000	1336	1265	17750000	0.274746	0.000269	0
chr19	17750001	17850000	1278	1277	17800000	0.197092	0.006432	0
chr19	18000001	18100000	1182	1170	18050000	0.210685	0.003925	0
chr19	18050001	18150000	1320	1284	18100000	0.235856	0.001468	0
chr19	18200001	18300000	1416	1265	18250000	0.358647	3.35E-06	0
chr19	18250001	18350000	1343	1245	18300000	0.305277	6.11E-05	0
chr19	18300001	18400000	1380	1302	18350000	0.279902	0.000211	0
chr19	18350001	18450000	1457	1273	18400000	0.390731	4.84E-07	0
chr19	18400001	18500000	1383	1236	18450000	0.358085	3.46E-06	0
chr19	18450001	18550000	1418	1357	18500000	0.2594	0.000539	0
chr19	18500001	18600000	1634	1555	18550000	0.267456	0.000376	0
chr19	18550001	18650000	1582	1503	18600000	0.269868	0.000337	0
chr19	18650001	18750000	1348	1341	18700000	0.203474	0.005118	0
chr19	18950001	19050000	759	753	1.90E+07	0.207413	0.004431	0
chr19	19000001	19100000	668	638	19050000	0.262255	0.000475	0
chr19	19100001	19200000	710	687	19150000	0.243472	0.001071	0
chr19	19150001	19250000	715	651	19200000	0.331249	1.56E-05	0
chr19	19250001	19350000	677	679	19300000	0.191707	0.007766	0
chr19	19400001	19500000	645	628	19450000	0.234498	0.001551	0
chr19	20100001	20200000	418	416	20150000	0.202882	0.005229	0
chr19	20300001	20400000	340	342	20350000	0.187501	0.008972	0

chr19	20550001	20650000	190	187	20600000	0.218924	0.002873	0
chr19	20850001	20950000	254	348	20900000	-0.2583	0.000648	0
chr19	20900001	21000000	230	314	20950000	-0.25317	0.000805	0
chr19	21450001	21550000	368	370	21500000	0.188144	0.008778	0
chr19	21900001	22000000	315	413	21950000	-0.19483	0.007411	0
chr19	22000001	22100000	343	336	22050000	0.22571	0.002206	0
chr19	22400001	22500000	256	339	22450000	-0.20918	0.004477	0
chr19	22800001	22900000	210	275	22850000	-0.19308	0.007865	0
chr19	22850001	22950000	237	315	22900000	-0.2145	0.003687	0
chr19	23100001	23200000	245	332	23150000	-0.24244	0.001253	0
chr19	23150001	23250000	293	390	23200000	-0.21661	0.003411	0
chr19	24300001	24400000	289	415	24350000	-0.32608	2.68E-05	0
chr19	24350001	24450000	289	401	24400000	-0.27657	0.000291	0
chr19	24550001	24650000	270	354	24600000	-0.19483	0.007411	0
chr19	24600001	24700000	12	22	24650000	-0.67851	3.57E-16	0
chr19	28050001	28150000	471	629	28100000	-0.22137	0.002855	0
chr19	31600001	31700000	701	933	31650000	-0.2165	0.003425	0
chr19	33550001	33650000	614	588	33600000	0.258386	0.000564	0
chr19	34200001	34300000	778	773	34250000	0.205265	0.004795	0
chr19	34850001	34950000	659	599	34900000	0.333685	1.37E-05	0
chr19	34900001	35000000	666	604	34950000	0.336937	1.14E-05	0
chr19	35500001	35600000	762	738	35550000	0.242133	0.001132	0
chr19	35550001	35650000	780	717	35600000	0.317464	3.26E-05	0
chr19	35700001	35800000	680	667	35750000	0.223811	0.002377	0
chr19	35750001	35850000	723	701	35800000	0.240544	0.00121	0
chr19	36050001	36150000	655	652	36100000	0.202586	0.005285	0
chr19	36200001	36300000	784	782	36250000	0.199648	0.005874	0
chr19	36300001	36400000	697	668	36350000	0.257274	0.000592	0
chr19	36350001	36450000	659	632	36400000	0.256317	0.000617	0
chr19	36400001	36500000	633	636	36450000	0.189142	0.008483	0
chr19	36550001	36650000	688	642	36600000	0.295798	9.81E-05	0
chr19	36600001	36700000	564	549	36650000	0.234852	0.001529	0
chr19	37750001	37850000	239	327	37800000	-0.25632	0.000705	0
chr19	38300001	38400000	547	549	38350000	0.190698	0.008042	0
chr19	38350001	38450000	586	583	38400000	0.203368	0.005138	0
chr19	38750001	38850000	659	659	38800000	0.195963	0.006694	0
chr19	38800001	38900000	667	651	38850000	0.230992	0.001787	0
chr19	38850001	38950000	701	689	38900000	0.220873	0.002665	0
chr19	38900001	39000000	718	720	38950000	0.19195	0.007701	0
chr19	39100001	39200000	717	698	39150000	0.234709	0.001538	0
chr19	39600001	39700000	728	699	39650000	0.254609	0.000665	0
chr19	39850001	39950000	741	711	39900000	0.255587	0.000637	0
chr19	39900001	40000000	741	714	39950000	0.249513	0.000829	0
chr19	39950001	40050000	681	656	4.00E+07	0.249922	0.000814	0
chr19	40700001	40800000	717	711	40750000	0.208087	0.004323	0
chr19	40750001	40850000	654	636	40800000	0.236227	0.001445	0
chr19	40950001	41050000	712	676	4.10E+07	0.270817	0.000322	0

chr19	41000001	41100000	692	670	41050000	0.242574	0.001112	0
chr19	41050001	41150000	702	672	41100000	0.258973	0.000549	0
chr19	41100001	41200000	698	675	41150000	0.244303	0.001034	0
chr19	41200001	41300000	678	679	41250000	0.193837	0.007212	0
chr19	41250001	41350000	593	547	41300000	0.312454	4.23E-05	0
chr19	41300001	41400000	393	389	41350000	0.210722	0.00392	0
chr19	41400001	41500000	442	445	41450000	0.186204	0.009375	0
chr19	41650001	41750000	617	596	41700000	0.245921	0.000966	0
chr19	41700001	41800000	718	704	41750000	0.224371	0.002325	0
chr19	41750001	41850000	728	724	41800000	0.203912	0.005037	0
chr19	41800001	41900000	713	654	41850000	0.320574	2.77E-05	0
chr19	41850001	41950000	703	685	41900000	0.233384	0.001623	0
chr19	42350001	42450000	828	798	42400000	0.249205	0.00084	0
chr19	42400001	42500000	869	787	42450000	0.338956	1.02E-05	0
chr19	42450001	42550000	781	714	42500000	0.325362	2.14E-05	0
chr19	42500001	42600000	770	755	42550000	0.224345	0.002327	0
chr19	42550001	42650000	913	918	42600000	0.188084	0.008795	0
chr19	42700001	42800000	1236	1155	42750000	0.293749	0.000109	0
chr19	42750001	42850000	1204	1117	42800000	0.304169	6.46E-05	0
chr19	42850001	42950000	1127	1135	42900000	0.185758	0.009518	0
chr19	43200001	43300000	241	212	43250000	0.380932	8.86E-07	0
chr19	43350001	43450000	247	233	43400000	0.280144	0.000209	0
chr19	43400001	43500000	243	226	43450000	0.300597	7.73E-05	0
chr19	43600001	43700000	253	247	43650000	0.230589	0.001816	0
chr19	43950001	44050000	1004	990	4.40E+07	0.216222	0.003186	0
chr19	44000001	44100000	1061	1040	44050000	0.224804	0.002286	0
chr19	45400001	45500000	924	924	45450000	0.195963	0.006694	0
chr19	45600001	45700000	1122	1114	45650000	0.206286	0.004619	0
chr19	45650001	45750000	975	965	45700000	0.210836	0.003903	0
chr19	45800001	45900000	1028	957	45850000	0.299212	8.28E-05	0
chr19	45850001	45950000	1051	936	45900000	0.363145	2.57E-06	0
chr19	45900001	46000000	1057	951	45950000	0.348421	6.02E-06	0
chr19	45950001	46050000	1077	947	4.60E+07	0.381545	8.54E-07	0
chr19	46000001	46100000	1002	932	46050000	0.300444	7.79E-05	0
chr19	46050001	46150000	977	934	46100000	0.260899	0.000504	0
chr19	46100001	46200000	963	946	46150000	0.221659	0.002585	0
chr19	46150001	46250000	915	918	46200000	0.191241	0.007892	0
chr19	46250001	46350000	1072	1046	46300000	0.231385	0.001759	0
chr19	46300001	46400000	1050	1011	46350000	0.250569	0.000792	0
chr19	46350001	46450000	1001	986	46400000	0.217745	0.003006	0
chr19	46400001	46500000	1033	994	46450000	0.251486	0.000761	0
chr19	47150001	47250000	1140	1094	47200000	0.255384	0.000643	0
chr19	47200001	47300000	1135	1064	47250000	0.289157	0.000136	0
chr19	47550001	47650000	936	918	47600000	0.223977	0.002361	0
chr19	47600001	47700000	950	900	47650000	0.273966	0.000279	0
chr19	47650001	47750000	943	939	47700000	0.202096	0.005379	0
chr19	47700001	47800000	931	922	47750000	0.209977	0.00403	0

chr19	47800001	47900000	900	887	47850000	0.216954	0.003098	0
chr19	47850001	47950000	1006	989	47900000	0.220551	0.002698	0
chr19	47950001	48050000	1145	1130	4.80E+07	0.214988	0.003339	0
chr19	48000001	48100000	955	958	48050000	0.191438	0.007839	0
chr19	48200001	48300000	972	942	48250000	0.241192	0.001178	0
chr19	48800001	48900000	1090	1011	48850000	0.304508	6.35E-05	0
chr19	48850001	48950000	1042	960	48900000	0.314212	3.86E-05	0
chr19	48900001	49000000	1082	1035	48950000	0.260033	0.000524	0
chr19	48950001	49050000	1040	1026	4.90E+07	0.215516	0.003273	0
chr19	49050001	49150000	1003	1010	49100000	0.185929	0.009463	0
chr19	49450001	49550000	790	777	49500000	0.219901	0.002767	0
chr19	49500001	49600000	744	728	49550000	0.227327	0.002069	0
chr19	49900001	50000000	1091	1095	49950000	0.190683	0.008046	0
chr19	49950001	50050000	971	893	5.00E+07	0.316774	3.38E-05	0
chr19	50000001	50100000	959	931	50050000	0.238713	0.001305	0
chr19	50050001	50150000	983	972	50100000	0.212198	0.003709	0
chr19	50100001	50200000	1088	1048	50150000	0.250003	0.000811	0
chr19	50300001	50400000	1227	1163	50350000	0.273247	0.000288	0
chr19	50350001	50450000	1170	1088	50400000	0.300793	7.65E-05	0
chr19	50400001	50500000	1027	970	50450000	0.278343	0.000227	0
chr19	50450001	50550000	1068	1027	50500000	0.252439	0.000731	0
chr19	50500001	50600000	844	847	50550000	0.190844	0.008001	0
chr19	50550001	50650000	378	336	50600000	0.365888	2.19E-06	0
chr19	50600001	50700000	548	516	50650000	0.282768	0.000184	0
chr19	50800001	50900000	985	972	50850000	0.21513	0.003321	0
chr19	50950001	51050000	1127	1062	5.10E+07	0.281667	0.000194	0
chr19	51000001	51100000	1005	965	51050000	0.254558	0.000666	0
chr19	51050001	51150000	851	840	51100000	0.214733	0.003371	0
chr19	51100001	51200000	919	897	51150000	0.23092	0.001793	0
chr19	51250001	51350000	928	881	51300000	0.270946	0.00032	0
chr19	51300001	51400000	1057	1031	51350000	0.231894	0.001724	0
chr19	51350001	51450000	983	950	51400000	0.245227	0.000994	0
chr19	51850001	51950000	909	909	51900000	0.195963	0.006694	0
chr19	53150001	53250000	436	419	53200000	0.253341	0.000703	0
chr19	53200001	53300000	345	332	53250000	0.251376	0.000765	0
chr19	53250001	53350000	356	317	53300000	0.363357	2.54E-06	0
chr19	53300001	53400000	394	382	53350000	0.240586	0.001208	0
chr19	53800001	53900000	428	431	53850000	0.185886	0.009477	0
chr19	54350001	54450000	607	610	54400000	0.18885	0.008568	0
chr19	54400001	54500000	635	637	54450000	0.191426	0.007842	0
chr19	54600001	54700000	744	702	54650000	0.279795	0.000212	0
chr19	54650001	54750000	622	557	54700000	0.3552	4.08E-06	0
chr19	54700001	54800000	524	511	54750000	0.232207	0.001702	0
chr19	54900001	55000000	635	638	54950000	0.189163	0.008477	0
chr19	55500001	55600000	616	599	55550000	0.236337	0.001439	0
chr19	55550001	55650000	718	642	55600000	0.357374	3.60E-06	0
chr19	55600001	55700000	711	672	55650000	0.277351	0.000238	0

chr19	55650001	55750000	711	694	55700000	0.230877	0.001796	0
chr19	55700001	55800000	783	751	55750000	0.256162	0.000621	0
chr19	55750001	55850000	751	724	55800000	0.248786	0.000855	0
chr19	55950001	56050000	825	805	5.60E+07	0.231368	0.00176	0
chr19	56050001	56150000	741	747	56100000	0.184328	0.009987	0
chr19	56100001	56200000	802	800	56150000	0.199565	0.005891	0
chr19	56550001	56650000	645	632	56600000	0.225338	0.002238	0
chr19	56600001	56700000	672	670	56650000	0.200263	0.005746	0
chr19	57000001	57100000	473	630	57050000	-0.21755	0.003294	0
chr19	57800001	57900000	656	648	57850000	0.213665	0.00351	0
chr19	57850001	57950000	645	641	57900000	0.204938	0.004852	0
chr19	58150001	58250000	506	682	58200000	-0.23467	0.001709	0
chr19	58300001	58400000	404	401	58350000	0.206716	0.004547	0
chr19	58600001	58700000	562	559	58650000	0.203685	0.005079	0
chr19	58800001	58900000	735	703	58850000	0.260183	0.000521	0
chr19	58850001	58950000	686	639	58900000	0.298356	8.64E-05	0
chr19	58900001	59000000	647	613	58950000	0.273842	0.00028	0
chr19	58950001	59050000	642	566	5.90E+07	0.377734	1.08E-06	0
chr19	59000001	59100000	669	599	59050000	0.355413	4.03E-06	0
chr19	250001	350000	863	894	3.00E+05	0.145049	0.0335	0
chr19	600001	700000	1023	1049	650000	0.159755	0.021839	0
chr19	650001	750000	1027	1061	7.00E+05	0.148975	0.029972	0
chr19	700001	800000	1024	1050	750000	0.159789	0.021816	0
chr19	1900001	2000000	1112	1132	1950000	0.170246	0.0158	0
chr19	2500001	2600000	923	931	2550000	0.183513	0.010264	0
chr19	2550001	2650000	990	1025	2600000	0.14584	0.032763	0
chr19	3150001	3250000	1095	1113	3200000	0.17244	0.014737	0
chr19	3200001	3300000	1087	1105	3250000	0.172269	0.014818	0
chr19	3850001	3950000	931	943	3900000	0.177486	0.012524	0
chr19	3900001	4000000	898	932	3950000	0.142349	0.03612	0
chr19	3950001	4050000	1025	1035	4.00E+06	0.181956	0.01081	0
chr19	4300001	4400000	1023	1055	4350000	0.151526	0.027849	0
chr19	4400001	4500000	991	1005	4450000	0.175724	0.013262	0
chr19	4700001	4800000	841	858	4750000	0.167091	0.017443	0
chr19	5050001	5150000	836	843	5100000	0.183933	0.01012	0
chr19	5100001	5200000	688	718	5150000	0.134388	0.044836	0
chr19	5200001	5300000	748	761	5250000	0.171105	0.015376	0
chr19	5250001	5350000	715	737	5300000	0.152242	0.027276	0
chr19	5500001	5600000	627	635	5550000	0.177672	0.012448	0
chr19	5750001	5850000	598	606	5800000	0.176791	0.012811	0
chr19	5800001	5900000	618	631	5850000	0.16593	0.018084	0
chr19	5950001	6050000	748	782	6.00E+06	0.131833	0.047969	0
chr19	6000001	6100000	693	715	6050000	0.150875	0.028378	0
chr19	6150001	6250000	730	762	6200000	0.134069	0.045218	0
chr19	6200001	6300000	735	743	6250000	0.180345	0.011403	0
chr19	6300001	6400000	581	603	6350000	0.142343	0.036125	0
chr19	6400001	6500000	665	684	6450000	0.155321	0.024924	0

chr19	6700001	6800000	666	692	6750000	0.140713	0.037787	0
chr19	6750001	6850000	598	613	6800000	0.160221	0.021533	0
chr19	7000001	7100000	297	301	7050000	0.176662	0.012864	0
chr19	7600001	7700000	740	763	7650000	0.151805	0.027624	0
chr19	7900001	8000000	709	726	7950000	0.161779	0.020541	0
chr19	8050001	8150000	602	628	8100000	0.134962	0.044155	0
chr19	8250001	8350000	503	512	8300000	0.170378	0.015735	0
chr19	8550001	8650000	639	649	8600000	0.17356	0.014219	0
chr19	8600001	8700000	558	572	8650000	0.160213	0.021539	0
chr19	8850001	8950000	246	313	8900000	-0.15154	0.028713	0
chr19	9150001	9250000	557	577	9200000	0.145069	0.033481	0
chr19	9250001	9350000	537	546	9300000	0.171984	0.014953	0
chr19	9650001	9750000	501	517	9700000	0.150609	0.028597	0
chr19	10100001	10200000	701	728	10150000	0.141439	0.03704	0
chr19	10200001	10300000	619	645	10250000	0.136603	0.042255	0
chr19	10550001	10650000	594	619	10600000	0.136487	0.042388	0
chr19	10600001	10700000	602	611	10650000	0.174554	0.013772	0
chr19	10800001	10900000	625	647	10850000	0.146054	0.032566	0
chr19	11000001	11100000	601	629	11050000	0.130268	0.049972	0
chr19	11850001	11950000	518	542	11900000	0.130622	0.049513	0
chr19	12000001	12100000	411	424	12050000	0.151037	0.028246	0
chr19	12050001	12150000	457	473	12100000	0.146317	0.032324	0
chr19	12400001	12500000	537	561	12450000	0.132884	0.046659	0
chr19	13150001	13250000	1563	1620	13200000	0.144287	0.034223	0
chr19	13400001	13500000	1588	1656	13450000	0.135471	0.043559	0
chr19	14250001	14350000	951	962	14300000	0.179371	0.011774	0
chr19	14800001	14900000	1125	1152	14850000	0.161747	0.020561	0
chr19	15200001	15300000	1412	1431	15250000	0.176679	0.012857	0
chr19	15300001	15400000	1407	1437	15350000	0.165525	0.018312	0
chr19	15400001	15500000	1179	1205	15450000	0.164494	0.018904	0
chr19	15500001	15600000	1454	1473	15550000	0.177233	0.012628	0
chr19	16500001	16600000	959	970	16550000	0.179509	0.011721	0
chr19	16600001	16700000	973	993	16650000	0.166609	0.017707	0
chr19	16700001	16800000	982	1010	16750000	0.155403	0.024864	0
chr19	16850001	16950000	831	861	16900000	0.144798	0.033736	0
chr19	17100001	17200000	1665	1735	17150000	0.13655	0.042316	0
chr19	17150001	17250000	1656	1726	17200000	0.136233	0.042678	0
chr19	17250001	17350000	1298	1353	17300000	0.136092	0.04284	0
chr19	17800001	17900000	1221	1260	17850000	0.150603	0.028602	0
chr19	17950001	18050000	1099	1148	1.80E+07	0.133032	0.046478	0
chr19	18150001	18250000	1322	1351	18200000	0.164658	0.018809	0
chr19	18600001	18700000	1297	1317	18650000	0.173886	0.014071	0
chr19	18700001	18800000	1526	1549	18750000	0.174381	0.013849	0
chr19	18900001	19000000	719	740	18950000	0.15443	0.025587	0
chr19	19200001	19300000	661	673	19250000	0.170007	0.01592	0
chr19	19600001	19700000	761	778	19650000	0.164089	0.019141	0
chr19	19650001	19750000	662	682	19700000	0.153023	0.026663	0

chr19	20350001	20450000	303	390	20400000	-0.16819	0.017563	0
chr19	20400001	20500000	304	391	20450000	-0.16713	0.01814	0
chr19	20650001	20750000	262	334	20700000	-0.15432	0.026521	0
chr19	20800001	20900000	285	368	20850000	-0.17278	0.015239	0
chr19	21050001	21150000	396	506	21100000	-0.15767	0.024061	0
chr19	21550001	21650000	326	417	21600000	-0.15921	0.022999	0
chr19	21650001	21750000	391	405	21700000	0.14521	0.033349	0
chr19	21700001	21800000	361	461	21750000	-0.1568	0.024679	0
chr19	21850001	21950000	305	393	21900000	-0.16976	0.016739	0
chr19	21950001	22050000	358	374	2.20E+07	0.132884	0.046659	0
chr19	22100001	22200000	230	291	22150000	-0.14342	0.036008	0
chr19	22300001	22400000	221	287	22350000	-0.18104	0.01172	0
chr19	22350001	22450000	240	306	22400000	-0.15453	0.026356	0
chr19	22450001	22550000	267	343	22500000	-0.16541	0.019118	0
chr19	22750001	22850000	266	334	22800000	-0.13246	0.048214	0
chr19	23000001	23100000	336	424	23050000	-0.13964	0.039894	0
chr19	23050001	23150000	301	387	23100000	-0.16661	0.018434	0
chr19	23350001	23450000	361	453	23400000	-0.13155	0.049361	0
chr19	23400001	23500000	380	484	23450000	-0.15304	0.027508	0
chr19	23850001	23950000	370	471	23900000	-0.15224	0.028149	0
chr19	24150001	24250000	464	471	24200000	0.174361	0.013858	0
chr19	24500001	24600000	573	743	24550000	-0.17886	0.012571	0
chr19	27900001	28000000	460	581	27950000	-0.14094	0.03852	0
chr19	28000001	28100000	501	629	28050000	-0.13229	0.04843	0
chr19	28500001	28600000	560	727	28550000	-0.18057	0.011902	0
chr19	28550001	28650000	607	789	28600000	-0.18237	0.011228	0
chr19	28600001	28700000	598	766	28650000	-0.16124	0.021663	0
chr19	28650001	28750000	637	816	28700000	-0.16131	0.021614	0
chr19	30150001	30250000	1015	1036	30200000	0.166419	0.017812	0
chr19	31200001	31300000	780	982	31250000	-0.13629	0.043621	0
chr19	31250001	31350000	744	935	31300000	-0.1337	0.046683	0
chr19	31400001	31500000	683	862	31450000	-0.13984	0.039681	0
chr19	31450001	31550000	697	876	31500000	-0.13381	0.046551	0
chr19	31500001	31600000	680	883	31550000	-0.18092	0.011768	0
chr19	31550001	31650000	692	893	31600000	-0.17193	0.015651	0
chr19	31650001	31750000	789	993	31700000	-0.13581	0.044177	0
chr19	32100001	32200000	692	870	32150000	-0.13428	0.045981	0
chr19	32250001	32350000	713	907	32300000	-0.15124	0.028962	0
chr19	32350001	32450000	658	846	32400000	-0.16661	0.018434	0
chr19	32400001	32500000	676	876	32450000	-0.17794	0.012946	0
chr19	32450001	32550000	775	986	32500000	-0.15143	0.028805	0
chr19	32500001	32600000	743	965	32550000	-0.1812	0.011659	0
chr19	32550001	32650000	715	902	32600000	-0.13922	0.040344	0
chr19	33600001	33700000	592	600	33650000	0.176598	0.012891	0
chr19	33800001	33900000	703	716	33850000	0.169528	0.016162	0
chr19	33950001	34050000	707	732	3.40E+07	0.14583	0.032772	0
chr19	34000001	34100000	667	684	34050000	0.159653	0.021905	0



chr19	34350001	34450000	595	615	34400000	0.148266	0.030585	0
chr19	34950001	35050000	617	645	3.50E+07	0.131934	0.047841	0
chr19	35450001	35550000	723	740	35500000	0.162433	0.020136	0
chr19	35600001	35700000	694	718	35650000	0.146915	0.031782	0
chr19	35950001	36050000	735	744	3.60E+07	0.178405	0.012154	0
chr19	36000001	36100000	702	709	36050000	0.181648	0.010921	0
chr19	36100001	36200000	628	655	36150000	0.135233	0.043837	0
chr19	36150001	36250000	688	709	36200000	0.152586	0.027004	0
chr19	36250001	36350000	695	715	36300000	0.155033	0.025137	0
chr19	36450001	36550000	666	685	36500000	0.155381	0.02488	0
chr19	36700001	36800000	295	307	36750000	0.138439	0.040209	0
chr19	37400001	37500000	418	431	37450000	0.151778	0.027646	0
chr19	37800001	37900000	441	570	37850000	-0.17422	0.014567	0
chr19	38050001	38150000	579	598	38100000	0.149381	0.029625	0
chr19	38100001	38200000	526	534	38150000	0.174186	0.013936	0
chr19	38400001	38500000	581	602	38450000	0.144738	0.033793	0
chr19	38700001	38800000	671	688	38750000	0.159867	0.021765	0
chr19	38950001	39050000	676	683	3.90E+07	0.181101	0.011122	0
chr19	39150001	39250000	703	724	39200000	0.153498	0.026295	0
chr19	39250001	39350000	506	529	39300000	0.131833	0.047969	0
chr19	39300001	39400000	634	648	39350000	0.164452	0.018928	0
chr19	39350001	39450000	612	638	39400000	0.135938	0.043017	0
chr19	39400001	39500000	535	548	39450000	0.161326	0.020826	0
chr19	39800001	39900000	724	730	39850000	0.184056	0.010079	0
chr19	40300001	40400000	471	484	40350000	0.156683	0.02394	0
chr19	40450001	40550000	565	579	40500000	0.160651	0.021256	0
chr19	40800001	40900000	604	616	40850000	0.167581	0.017179	0
chr19	40900001	41000000	673	689	40950000	0.162066	0.020363	0
chr19	41150001	41250000	668	696	41200000	0.136724	0.042118	0
chr19	41900001	42000000	694	717	41950000	0.148926	0.030014	0
chr19	42600001	42700000	1136	1180	42650000	0.141139	0.037347	0
chr19	42900001	43000000	928	970	42950000	0.132103	0.047629	0
chr19	43250001	43350000	177	179	43300000	0.179753	0.011628	0
chr19	43300001	43400000	198	200	43350000	0.181463	0.010989	0
chr19	43550001	43650000	215	220	43600000	0.162796	0.019914	0
chr19	44050001	44150000	1126	1171	44100000	0.139429	0.03914	0
chr19	44150001	44250000	1002	1028	44200000	0.159005	0.022336	0
chr19	44200001	44300000	1043	1089	44250000	0.133698	0.045665	0
chr19	44250001	44350000	1050	1064	44300000	0.176854	0.012784	0
chr19	44650001	44750000	848	880	44700000	0.142524	0.035945	0
chr19	45550001	45650000	1145	1178	45600000	0.154971	0.025183	0
chr19	45700001	45800000	919	945	45750000	0.155714	0.024637	0
chr19	46200001	46300000	979	998	46250000	0.168232	0.016833	0
chr19	46450001	46550000	1042	1073	46500000	0.153668	0.026165	0
chr19	46500001	46600000	998	1043	46550000	0.132336	0.047339	0
chr19	46850001	46950000	913	948	46900000	0.141691	0.036783	0
chr19	46950001	47050000	943	957	4.70E+07	0.174702	0.013707	0

chr19	47350001	47450000	948	985	47400000	0.140726	0.037773	0
chr19	47450001	47550000	1070	1088	47500000	0.171895	0.014995	0
chr19	47500001	47600000	954	976	47550000	0.163071	0.019748	0
chr19	47750001	47850000	864	881	47800000	0.167852	0.017034	0
chr19	47900001	48000000	1115	1140	47950000	0.163973	0.019209	0
chr19	48250001	48350000	883	922	48300000	0.13361	0.045772	0
chr19	48600001	48700000	988	1023	48650000	0.14574	0.032855	0
chr19	48750001	48850000	934	966	48800000	0.147362	0.031381	0
chr19	49000001	49100000	876	901	49050000	0.155367	0.024891	0
chr19	49200001	49300000	944	981	49250000	0.140497	0.038012	0
chr19	49300001	49400000	868	899	49350000	0.145337	0.03323	0
chr19	49550001	49650000	963	976	49600000	0.176618	0.012883	0
chr19	49600001	49700000	1047	1092	49650000	0.135252	0.043815	0
chr19	50150001	50250000	995	1008	50200000	0.177236	0.012627	0
chr19	50250001	50350000	1073	1108	50300000	0.149655	0.029393	0
chr19	50650001	50750000	940	971	50700000	0.149152	0.02982	0
chr19	50750001	50850000	989	1030	50800000	0.137361	0.041401	0
chr19	50850001	50950000	973	988	50900000	0.173892	0.014068	0
chr19	50900001	51000000	1102	1124	50950000	0.167445	0.017252	0
chr19	51400001	51500000	912	934	51450000	0.161574	0.020669	0
chr19	51550001	51650000	997	1028	51600000	0.151788	0.027638	0
chr19	51800001	51900000	985	1013	51850000	0.155524	0.024775	0
chr19	51900001	52000000	869	904	51950000	0.138996	0.039604	0
chr19	52000001	52100000	1095	1142	52050000	0.135331	0.043722	0
chr19	52600001	52700000	788	795	52650000	0.183204	0.01037	0
chr19	52650001	52750000	634	653	52700000	0.153363	0.026399	0
chr19	52750001	52850000	456	588	52800000	-0.17082	0.016198	0
chr19	52800001	52900000	447	577	52850000	-0.17233	0.015454	0
chr19	53100001	53200000	451	455	53150000	0.183224	0.010363	0
chr19	53450001	53550000	498	512	53500000	0.155965	0.024455	0
chr19	53750001	53850000	454	462	53800000	0.170762	0.015544	0
chr19	53950001	54050000	433	447	5.40E+07	0.150055	0.029057	0
chr19	54000001	54100000	502	523	54050000	0.136839	0.041987	0
chr19	54450001	54550000	624	650	54500000	0.137069	0.041728	0
chr19	54500001	54600000	530	550	54550000	0.142524	0.035945	0
chr19	54550001	54650000	617	627	54600000	0.172768	0.014584	0
chr19	54850001	54950000	554	573	54900000	0.147314	0.031425	0
chr19	54950001	55050000	539	557	5.50E+07	0.148571	0.03032	0
chr19	55800001	55900000	745	761	55850000	0.165307	0.018436	0
chr19	55900001	56000000	778	786	55950000	0.181204	0.011084	0
chr19	56000001	56100000	739	759	56050000	0.157438	0.023408	0
chr19	57100001	57200000	543	566	57150000	0.136113	0.042816	0
chr19	57400001	57500000	491	616	57450000	-0.13124	0.04975	0
chr19	57500001	57600000	584	606	57550000	0.142614	0.035856	0
chr19	57650001	57750000	539	555	57700000	0.153761	0.026094	0
chr19	57700001	57800000	619	630	57750000	0.170551	0.015649	0
chr19	57750001	57850000	622	639	57800000	0.157062	0.023672	0

chr19	57950001	58050000	507	651	5.80E+07	-0.16471	0.019525	0
chr19	58000001	58100000	551	695	58050000	-0.139	0.040587	0
chr19	58250001	58350000	501	516	58300000	0.153403	0.026369	0
chr19	58350001	58450000	428	445	58400000	0.139768	0.038778	0
chr19	58500001	58600000	646	656	58550000	0.173801	0.014109	0
chr19	58550001	58650000	582	601	58600000	0.149617	0.029425	0
chr19	58750001	58850000	695	709	58800000	0.16719	0.01739	0
chr19	59050001	59150000	339	345	59100000	0.170652	0.015599	0
chr19	59100001	59200000	7	9	59150000	-0.16661	0.018434	0
chr2	3500001	3600000	499	490	3550000	0.222221	0.002529	0
chr2	4100001	4200000	626	851	4150000	-0.24703	0.001039	0
chr2	4150001	4250000	569	802	4200000	-0.29921	0.000102	0
chr2	4200001	4300000	615	802	4250000	-0.18705	0.009627	0
chr2	4800001	4900000	632	830	4850000	-0.19722	0.006825	0
chr2	4850001	4950000	622	855	4900000	-0.26305	0.000529	0
chr2	5250001	5350000	613	805	5300000	-0.19714	0.006845	0
chr2	5300001	5400000	601	815	5350000	-0.24347	0.001201	0
chr2	6100001	6200000	657	863	6150000	-0.1975	0.00676	0
chr2	7650001	7750000	644	893	7700000	-0.27564	0.000304	0
chr2	8000001	8100000	709	934	8050000	-0.20167	0.005847	0
chr2	9600001	9700000	1029	984	9650000	0.260476	0.000514	0
chr2	10400001	10500000	1245	1229	10450000	0.214624	0.003385	0
chr2	10450001	10550000	1226	1217	10500000	0.206593	0.004567	0
chr2	10600001	10700000	1099	1085	10650000	0.214459	0.003406	0
chr2	11000001	11100000	1067	1052	11050000	0.216389	0.003166	0
chr2	11050001	11150000	1027	1001	11100000	0.232957	0.001651	0
chr2	11200001	11300000	983	978	11250000	0.20332	0.005146	0
chr2	12350001	12450000	667	876	12400000	-0.19728	0.006812	0
chr2	13200001	13300000	652	856	13250000	-0.19678	0.006932	0
chr2	13250001	13350000	588	790	13300000	-0.23007	0.002046	0
chr2	13650001	13750000	587	779	13700000	-0.2123	0.003997	0
chr2	13700001	13800000	596	804	13750000	-0.23592	0.001627	0
chr2	13800001	13900000	547	714	13850000	-0.18842	0.009199	0
chr2	13950001	14050000	582	782	1.40E+07	-0.23019	0.002037	0
chr2	14150001	14250000	530	708	14200000	-0.22179	0.00281	0
chr2	14550001	14650000	581	758	14600000	-0.1877	0.009423	0
chr2	16850001	16950000	639	893	16900000	-0.28688	0.000182	0
chr2	17350001	17450000	654	880	17400000	-0.23225	0.00188	0
chr2	17400001	17500000	673	886	17450000	-0.20074	0.006042	0
chr2	18100001	18200000	488	636	18150000	-0.18618	0.009908	0
chr2	18350001	18450000	632	830	18400000	-0.19722	0.006825	0
chr2	19400001	19500000	713	955	19450000	-0.22564	0.002428	0
chr2	20050001	20150000	951	958	20100000	0.185383	0.009639	0
chr2	20650001	20750000	1066	1057	20700000	0.208195	0.004305	0
chr2	21700001	21800000	672	888	21750000	-0.20614	0.004993	0
chr2	22300001	22400000	613	827	22350000	-0.23604	0.001619	0
chr2	24250001	24350000	916	889	24300000	0.239127	0.001283	0

chr2	24500001	24600000	816	817	24550000	0.194196	0.007122	0
chr2	26900001	27000000	1123	1099	26950000	0.22713	0.002085	0
chr2	26950001	27050000	996	969	2.70E+07	0.235612	0.001482	0
chr2	27250001	27350000	1170	1132	27300000	0.243598	0.001065	0
chr2	27350001	27450000	1047	1042	27400000	0.202869	0.005231	0
chr2	27400001	27500000	1115	1062	27450000	0.266223	0.000397	0
chr2	27450001	27550000	1078	1059	27500000	0.221618	0.002589	0
chr2	27500001	27600000	997	971	27550000	0.234085	0.001577	0
chr2	27550001	27650000	940	918	27600000	0.23013	0.00185	0
chr2	27600001	27700000	988	967	27650000	0.226958	0.002099	0
chr2	28600001	28700000	1104	1099	28650000	0.202512	0.005299	0
chr2	31800001	31900000	687	902	31850000	-0.19685	0.006913	0
chr2	32500001	32600000	803	719	32550000	0.355371	4.04E-06	0
chr2	32550001	32650000	825	823	32600000	0.199465	0.005912	0
chr2	36000001	36100000	668	873	36050000	-0.19017	0.008676	0
chr2	40800001	40900000	583	796	40850000	-0.25331	0.0008	0
chr2	40850001	40950000	552	749	40900000	-0.24433	0.00116	0
chr2	43150001	43250000	1012	1013	43200000	0.194538	0.007037	0
chr2	44100001	44200000	981	855	44150000	0.394292	3.87E-07	0
chr2	44150001	44250000	958	866	44200000	0.341622	8.82E-06	0
chr2	46550001	46650000	1195	1159	46600000	0.240093	0.001233	0
chr2	47000001	47100000	1110	1082	47050000	0.232822	0.00166	0
chr2	47050001	47150000	1111	1093	47100000	0.219528	0.002807	0
chr2	47200001	47300000	1220	1218	47250000	0.19833	0.006156	0
chr2	47350001	47450000	994	990	47400000	0.20178	0.005441	0
chr2	49000001	49100000	704	920	49050000	-0.1901	0.008698	0
chr2	49300001	49400000	614	829	49350000	-0.23717	0.001548	0
chr2	49400001	49500000	575	754	49450000	-0.19504	0.007357	0
chr2	49750001	49850000	590	782	49800000	-0.21049	0.004269	0
chr2	50150001	50250000	607	807	50200000	-0.21491	0.003632	0
chr2	50200001	50300000	629	820	50250000	-0.1866	0.009772	0
chr2	50750001	50850000	640	855	50800000	-0.22189	0.0028	0
chr2	51050001	51150000	650	852	51100000	-0.19445	0.007507	0
chr2	51400001	51500000	626	816	51450000	-0.18644	0.009823	0
chr2	52000001	52100000	558	758	52050000	-0.24597	0.001085	0
chr2	52050001	52150000	544	734	52100000	-0.23621	0.001608	0
chr2	52150001	52250000	630	822	52200000	-0.18782	0.009384	0
chr2	52200001	52300000	546	725	52250000	-0.21312	0.00388	0
chr2	52600001	52700000	624	822	52650000	-0.20163	0.005856	0
chr2	52650001	52750000	640	878	52700000	-0.26019	0.000598	0
chr2	52700001	52800000	640	851	52750000	-0.21512	0.003604	0
chr2	52950001	53050000	671	891	5.30E+07	-0.21315	0.003875	0
chr2	53950001	54050000	865	869	5.40E+07	0.189307	0.008435	0
chr2	55050001	55150000	861	1126	55100000	-0.19116	0.008393	0
chr2	55450001	55550000	853	847	55500000	0.206147	0.004643	0
chr2	56600001	56700000	635	853	56650000	-0.22983	0.002066	0
chr2	57950001	58050000	671	896	5.80E+07	-0.22122	0.002871	0

chr2	58650001	58750000	686	918	58700000	-0.22432	0.002553	0
chr2	59600001	59700000	645	862	59650000	-0.22243	0.002743	0
chr2	60400001	60500000	660	899	60450000	-0.24989	0.000923	0
chr2	61700001	61800000	874	860	61750000	0.21926	0.002836	0
chr2	62750001	62850000	648	846	62800000	-0.1887	0.009114	0
chr2	66050001	66150000	720	956	66100000	-0.21305	0.003889	0
chr2	67050001	67150000	664	960	67100000	-0.33589	1.61E-05	0
chr2	67100001	67200000	699	917	67150000	-0.19567	0.007201	0
chr2	67200001	67300000	685	896	67250000	-0.19143	0.008316	0
chr2	67400001	67500000	691	905	67450000	-0.19327	0.007815	0
chr2	67500001	67600000	671	881	67550000	-0.19687	0.00691	0
chr2	68100001	68200000	725	964	68150000	-0.21509	0.003608	0
chr2	69350001	69450000	1207	1175	69400000	0.234728	0.001537	0
chr2	70400001	70500000	805	807	70450000	0.192383	0.007586	0
chr2	70450001	70550000	853	843	70500000	0.212976	0.003602	0
chr2	72600001	72700000	608	794	72650000	-0.1891	0.008991	0
chr2	74100001	74200000	1004	1003	74150000	0.197401	0.006362	0
chr2	74650001	74750000	1103	1074	74700000	0.234402	0.001557	0
chr2	74700001	74800000	1166	1145	74750000	0.222183	0.002532	0
chr2	76250001	76350000	524	703	76300000	-0.22799	0.002218	0
chr2	76350001	76450000	554	737	76400000	-0.21582	0.003513	0
chr2	76400001	76500000	546	724	76450000	-0.21113	0.004172	0
chr2	76450001	76550000	554	761	76500000	-0.26205	0.000552	0
chr2	76500001	76600000	549	751	76550000	-0.25604	0.000713	0
chr2	77300001	77400000	470	655	77350000	-0.28287	0.000219	0
chr2	77750001	77850000	517	679	77800000	-0.19728	0.006811	0
chr2	77800001	77900000	489	669	77850000	-0.25621	0.000708	0
chr2	77850001	77950000	465	612	77900000	-0.20034	0.006126	0
chr2	78350001	78450000	537	704	78400000	-0.19469	0.007445	0
chr2	78700001	78800000	546	733	78750000	-0.22895	0.002137	0
chr2	78750001	78850000	539	821	78800000	-0.41113	2.19E-07	0
chr2	78800001	78900000	540	786	78850000	-0.34561	9.62E-06	0
chr2	79050001	79150000	589	772	79100000	-0.19437	0.007527	0
chr2	79100001	79200000	588	794	79150000	-0.23736	0.001536	0
chr2	79300001	79400000	564	747	79350000	-0.20945	0.004433	0
chr2	79350001	79450000	600	826	79400000	-0.26522	0.000481	0
chr2	79400001	79500000	617	850	79450000	-0.26623	0.000461	0
chr2	79550001	79650000	576	776	79600000	-0.23402	0.001753	0
chr2	79600001	79700000	552	723	79650000	-0.19336	0.007789	0
chr2	79650001	79750000	604	794	79700000	-0.19863	0.006502	0
chr2	79700001	79800000	634	837	79750000	-0.20478	0.005239	0
chr2	79950001	80050000	599	797	8.00E+07	-0.21606	0.003481	0
chr2	80000001	80100000	605	805	80050000	-0.21609	0.003477	0
chr2	80100001	80200000	606	805	80150000	-0.21371	0.003796	0
chr2	80350001	80450000	570	752	80400000	-0.20381	0.005423	0
chr2	80700001	80800000	603	790	80750000	-0.19373	0.007693	0
chr2	80900001	81000000	536	716	80950000	-0.22176	0.002813	0

chr2	81050001	81150000	582	762	81100000	-0.19281	0.007938	0
chr2	81100001	81200000	561	755	81150000	-0.23251	0.00186	0
chr2	81150001	81250000	576	808	81200000	-0.29232	0.000141	0
chr2	81200001	81300000	564	781	81250000	-0.27366	0.000332	0
chr2	81250001	81350000	549	750	81300000	-0.25412	0.000774	0
chr2	82300001	82400000	569	755	82350000	-0.21208	0.004029	0
chr2	82350001	82450000	547	750	82400000	-0.25939	0.000619	0
chr2	82400001	82500000	528	721	82450000	-0.2535	0.000794	0
chr2	82450001	82550000	527	704	82500000	-0.22181	0.002808	0
chr2	82850001	82950000	587	808	82900000	-0.26503	0.000485	0
chr2	82900001	83000000	572	803	82950000	-0.29342	0.000134	0
chr2	82950001	83050000	565	774	8.30E+07	-0.25812	0.000653	0
chr2	83000001	83100000	573	762	83050000	-0.21529	0.003581	0
chr2	83150001	83250000	581	763	83200000	-0.19718	0.006835	0
chr2	83300001	83400000	557	737	83350000	-0.20802	0.004666	0
chr2	83350001	83450000	574	778	83400000	-0.24276	0.001237	0
chr2	83550001	83650000	534	705	83600000	-0.20482	0.005232	0
chr2	84000001	84100000	568	752	84050000	-0.20888	0.004525	0
chr2	84050001	84150000	578	770	84100000	-0.21783	0.00326	0
chr2	84500001	84600000	658	874	84550000	-0.21358	0.003814	0
chr2	85100001	85200000	966	965	85150000	0.197457	0.00635	0
chr2	85150001	85250000	927	922	85200000	0.203766	0.005064	0
chr2	85600001	85700000	1018	990	85650000	0.2362	0.001447	0
chr2	85750001	85850000	1014	988	85800000	0.233438	0.001619	0
chr2	85900001	86000000	1197	1190	85950000	0.204425	0.004944	0
chr2	86250001	86350000	1042	1031	86300000	0.211274	0.00384	0
chr2	87150001	87250000	4	8	87200000	-0.80404	3.29E-21	0
chr2	87250001	87350000	38	32	87300000	0.443891	1.45E-08	0
chr2	87300001	87400000	40	30	87350000	0.611001	2.44E-14	0
chr2	87400001	87500000	26	25	87450000	0.252547	0.000727	0
chr2	87450001	87550000	33	26	87500000	0.539917	1.04E-11	0
chr2	87650001	87750000	12	17	87700000	-0.30654	7.14E-05	0
chr2	87700001	87800000	27	17	87750000	0.863388	2.22E-25	0
chr2	87750001	87850000	28	25	87800000	0.359462	3.19E-06	0
chr2	87800001	87900000	14	26	87850000	-0.69712	6.85E-17	0
chr2	87950001	88050000	12	20	8.80E+07	-0.541	2.84E-11	0
chr2	88000001	88100000	4	9	88050000	-0.97396	1.25E-28	0
chr2	88050001	88150000	5	13	88100000	-1.18255	2.87E-38	0
chr2	88200001	88300000	47	70	88250000	-0.37873	1.52E-06	0
chr2	89350001	89450000	41	62	89400000	-0.40068	4.14E-07	0
chr2	89400001	89500000	47	76	89450000	-0.49738	7.02E-10	0
chr2	89500001	89600000	44	35	89550000	0.526112	3.16E-11	0
chr2	89550001	89650000	12	12	89600000	0.195963	0.006694	0
chr2	89900001	90000000	14	12	89950000	0.418355	8.19E-08	0
chr2	90000001	90100000	62	62	90050000	0.195963	0.006694	0
chr2	90100001	90200000	133	182	90150000	-0.25655	0.000698	0
chr2	90150001	90250000	112	168	90200000	-0.389	8.31E-07	0

chr2	90200001	90300000	113	167	90250000	-0.36756	2.87E-06	0
chr2	90250001	90350000	13	17	90300000	-0.19106	0.008421	0
chr2	90350001	90450000	35	56	90400000	-0.48211	2.06E-09	0
chr2	91550001	91650000	21	28	91600000	-0.21907	0.003112	0
chr2	91900001	92000000	134	178	91950000	-0.21368	0.0038	0
chr2	91950001	92050000	73	96	9.20E+07	-0.19917	0.00638	0
chr2	92100001	92200000	68	103	92150000	-0.40307	3.58E-07	0
chr2	92150001	92250000	43	66	92200000	-0.42217	1.10E-07	0
chr2	95250001	95350000	21	20	95300000	0.266352	0.000395	0
chr2	95300001	95400000	65	52	95350000	0.517891	6.05E-11	0
chr2	95350001	95450000	231	215	95400000	0.299519	8.16E-05	0
chr2	96050001	96150000	255	239	96100000	0.28945	0.000134	0
chr2	96550001	96650000	51	71	96600000	-0.28136	0.000235	0
chr2	97700001	97800000	123	164	97750000	-0.21907	0.003112	0
chr2	97900001	98000000	4	1	97950000	2.195963	8.22E-92	0
chr2	97950001	98050000	114	112	9.80E+07	0.221498	0.002601	0
chr2	98050001	98150000	1	5	98100000	-2.12597	6.56E-79	0
chr2	98100001	98200000	38	35	98150000	0.314608	3.78E-05	0
chr2	98300001	98400000	987	982	98350000	0.20329	0.005152	0
chr2	99750001	99850000	826	791	99800000	0.258427	0.000563	0
chr2	1.04E+08	1.04E+08	654	853	1.04E+08	-0.18729	0.009551	0
chr2	1.04E+08	1.04E+08	583	760	1.04E+08	-0.18654	0.009791	0
chr2	1.05E+08	1.05E+08	643	863	1.05E+08	-0.22858	0.002168	0
chr2	1.05E+08	1.05E+08	672	881	1.05E+08	-0.19472	0.007438	0
chr2	1.06E+08	1.06E+08	1065	1068	1.06E+08	0.191905	0.007713	0
chr2	1.06E+08	1.07E+08	793	1037	1.07E+08	-0.19106	0.008421	0
chr2	1.07E+08	1.07E+08	29	16	1.07E+08	1.053944	5.89E-35	0
chr2	1.08E+08	1.08E+08	628	830	1.08E+08	-0.20638	0.004949	0
chr2	1.08E+08	1.09E+08	297	411	1.08E+08	-0.27271	0.000346	0
chr2	1.09E+08	1.09E+08	718	982	1.09E+08	-0.25578	0.000722	0
chr2	1.09E+08	1.09E+08	570	573	1.09E+08	0.18839	0.008704	0
chr2	1.09E+08	1.09E+08	873	874	1.09E+08	0.194311	0.007093	0
chr2	1.1E+08	1.1E+08	1096	1066	1.1E+08	0.236003	0.001459	0
chr2	1.1E+08	1.1E+08	1066	1054	1.1E+08	0.212296	0.003696	0
chr2	1.1E+08	1.1E+08	78	102	1.1E+08	-0.19106	0.008421	0
chr2	1.1E+08	1.1E+08	814	818	1.1E+08	0.188891	0.008556	0
chr2	1.11E+08	1.11E+08	3	6	1.11E+08	-0.80404	3.29E-21	0
chr2	1.11E+08	1.11E+08	4	6	1.11E+08	-0.389	8.31E-07	0
chr2	1.11E+08	1.11E+08	8	7	1.11E+08	0.388608	5.52E-07	0
chr2	1.11E+08	1.11E+08	6	4	1.11E+08	0.780926	1.60E-21	0
chr2	1.11E+08	1.11E+08	396	398	1.11E+08	0.188695	0.008614	0
chr2	1.11E+08	1.11E+08	869	859	1.11E+08	0.212661	0.003645	0
chr2	1.11E+08	1.11E+08	782	754	1.11E+08	0.248567	0.000863	0
chr2	1.11E+08	1.11E+08	309	292	1.11E+08	0.277602	0.000235	0
chr2	1.11E+08	1.11E+08	7	11	1.11E+08	-0.45611	1.21E-08	0
chr2	1.11E+08	1.11E+08	8	12	1.11E+08	-0.389	8.31E-07	0
chr2	1.11E+08	1.11E+08	3	5	1.11E+08	-0.541	2.84E-11	0

chr2	1.11E+08	1.11E+08	0	2	1.11E+08	#NAME?	3.67E-137	0
chr2	1.11E+08	1.11E+08	74	72	1.11E+08	0.235491	0.00149	0
chr2	1.12E+08	1.12E+08	27	21	1.12E+08	0.558533	2.25E-12	0
chr2	1.12E+08	1.12E+08	37	31	1.12E+08	0.45122	8.70E-09	0
chr2	1.12E+08	1.12E+08	37	34	1.12E+08	0.317954	3.18E-05	0
chr2	1.13E+08	1.13E+08	852	837	1.13E+08	0.221589	0.002592	0
chr2	1.13E+08	1.13E+08	954	950	1.13E+08	0.202025	0.005393	0
chr2	1.14E+08	1.14E+08	1049	1003	1.14E+08	0.260656	0.00051	0
chr2	1.14E+08	1.14E+08	31	29	1.14E+08	0.292178	0.000117	0
chr2	1.14E+08	1.14E+08	43	39	1.14E+08	0.336826	1.15E-05	0
chr2	1.15E+08	1.15E+08	691	909	1.15E+08	-0.19963	0.006279	0
chr2	1.15E+08	1.16E+08	634	833	1.16E+08	-0.19787	0.006675	0
chr2	1.16E+08	1.16E+08	604	791	1.16E+08	-0.19317	0.007842	0
chr2	1.16E+08	1.16E+08	614	801	1.16E+08	-0.1876	0.009453	0
chr2	1.16E+08	1.16E+08	559	794	1.16E+08	-0.31033	5.93E-05	0
chr2	1.16E+08	1.16E+08	555	786	1.16E+08	-0.30608	7.31E-05	0
chr2	1.16E+08	1.16E+08	568	741	1.16E+08	-0.18762	0.009447	0
chr2	1.17E+08	1.17E+08	571	763	1.17E+08	-0.22223	0.002764	0
chr2	1.17E+08	1.17E+08	515	683	1.17E+08	-0.21135	0.004138	0
chr2	1.17E+08	1.17E+08	580	764	1.17E+08	-0.20156	0.005871	0
chr2	1.17E+08	1.17E+08	604	818	1.17E+08	-0.24159	0.001297	0
chr2	1.18E+08	1.18E+08	582	801	1.18E+08	-0.26482	0.00049	0
chr2	1.18E+08	1.19E+08	651	899	1.18E+08	-0.2697	0.000396	0
chr2	1.18E+08	1.19E+08	617	822	1.19E+08	-0.2179	0.003251	0
chr2	1.19E+08	1.19E+08	645	850	1.19E+08	-0.2022	0.005739	0
chr2	1.21E+08	1.21E+08	717	937	1.21E+08	-0.19011	0.008693	0
chr2	1.23E+08	1.23E+08	624	817	1.23E+08	-0.19283	0.007933	0
chr2	1.23E+08	1.23E+08	631	839	1.23E+08	-0.21507	0.003611	0
chr2	1.24E+08	1.24E+08	649	847	1.24E+08	-0.18818	0.009273	0
chr2	1.24E+08	1.24E+08	549	747	1.24E+08	-0.24834	0.000984	0
chr2	1.24E+08	1.25E+08	591	810	1.24E+08	-0.2588	0.000635	0
chr2	1.25E+08	1.25E+08	565	749	1.25E+08	-0.21075	0.004229	0
chr2	1.25E+08	1.25E+08	596	799	1.25E+08	-0.22692	0.002311	0
chr2	1.25E+08	1.25E+08	595	780	1.25E+08	-0.19462	0.007463	0
chr2	1.25E+08	1.26E+08	632	840	1.25E+08	-0.2145	0.003687	0
chr2	1.26E+08	1.26E+08	647	880	1.26E+08	-0.24777	0.001007	0
chr2	1.27E+08	1.27E+08	552	722	1.27E+08	-0.19137	0.008334	0
chr2	1.28E+08	1.28E+08	1098	1104	1.28E+08	0.188101	0.00879	0
chr2	1.28E+08	1.28E+08	1202	1163	1.28E+08	0.243549	0.001067	0
chr2	1.28E+08	1.28E+08	950	947	1.28E+08	0.200526	0.005692	0
chr2	1.28E+08	1.29E+08	1142	1142	1.28E+08	0.195963	0.006694	0
chr2	1.3E+08	1.3E+08	633	831	1.3E+08	-0.19668	0.006954	0
chr2	1.3E+08	1.3E+08	633	840	1.3E+08	-0.21222	0.004009	0
chr2	1.31E+08	1.31E+08	210	208	1.31E+08	0.209769	0.004062	0
chr2	1.31E+08	1.31E+08	776	765	1.31E+08	0.21656	0.003145	0
chr2	1.31E+08	1.31E+08	1051	1035	1.31E+08	0.218095	0.002966	0
chr2	1.31E+08	1.31E+08	14	7	1.31E+08	1.195963	1.84E-42	0



chr2	1.31E+08	1.31E+08	17	7	1.31E+08	1.476071	1.90E-57	0
chr2	1.31E+08	1.31E+08	9	9	1.31E+08	0.195963	0.006694	0
chr2	1.31E+08	1.32E+08	697	701	1.32E+08	0.187707	0.008909	0
chr2	1.32E+08	1.32E+08	1074	1024	1.32E+08	0.264741	0.000425	0
chr2	1.32E+08	1.32E+08	61	56	1.32E+08	0.319345	2.95E-05	0
chr2	1.33E+08	1.33E+08	80	113	1.33E+08	-0.30229	8.78E-05	0
chr2	1.33E+08	1.33E+08	63	91	1.33E+08	-0.33455	1.73E-05	0
chr2	1.33E+08	1.33E+08	62	90	1.33E+08	-0.34169	1.19E-05	0
chr2	1.37E+08	1.38E+08	687	931	1.38E+08	-0.24251	0.001249	0
chr2	1.38E+08	1.38E+08	573	793	1.38E+08	-0.27282	0.000345	0
chr2	1.38E+08	1.38E+08	555	806	1.38E+08	-0.34233	1.15E-05	0
chr2	1.39E+08	1.4E+08	656	882	1.39E+08	-0.23112	0.001964	0
chr2	1.4E+08	1.4E+08	552	794	1.4E+08	-0.32851	2.37E-05	0
chr2	1.4E+08	1.4E+08	587	773	1.4E+08	-0.20114	0.005956	0
chr2	1.4E+08	1.4E+08	588	771	1.4E+08	-0.19495	0.007379	0
chr2	1.4E+08	1.4E+08	549	718	1.4E+08	-0.19121	0.008377	0
chr2	1.41E+08	1.41E+08	606	815	1.41E+08	-0.23152	0.001934	0
chr2	1.41E+08	1.41E+08	580	773	1.41E+08	-0.21845	0.003185	0
chr2	1.41E+08	1.41E+08	562	741	1.41E+08	-0.20294	0.005592	0
chr2	1.42E+08	1.42E+08	568	754	1.42E+08	-0.21271	0.003938	0
chr2	1.42E+08	1.42E+08	568	772	1.42E+08	-0.24675	0.001051	0
chr2	1.42E+08	1.42E+08	526	743	1.42E+08	-0.30234	8.76E-05	0
chr2	1.42E+08	1.42E+08	561	813	1.42E+08	-0.33929	1.35E-05	0
chr2	1.42E+08	1.42E+08	613	835	1.42E+08	-0.24993	0.000922	0
chr2	1.43E+08	1.43E+08	679	886	1.43E+08	-0.18793	0.00935	0
chr2	1.44E+08	1.45E+08	640	896	1.44E+08	-0.28946	0.000161	0
chr2	1.44E+08	1.45E+08	736	962	1.45E+08	-0.19037	0.008619	0
chr2	1.45E+08	1.45E+08	704	923	1.45E+08	-0.19479	0.00742	0
chr2	1.45E+08	1.45E+08	711	958	1.45E+08	-0.23421	0.00174	0
chr2	1.46E+08	1.46E+08	649	861	1.46E+08	-0.21183	0.004066	0
chr2	1.46E+08	1.46E+08	627	891	1.46E+08	-0.311	5.74E-05	0
chr2	1.46E+08	1.46E+08	592	853	1.46E+08	-0.33099	2.08E-05	0
chr2	1.46E+08	1.46E+08	574	772	1.46E+08	-0.23159	0.001929	0
chr2	1.46E+08	1.46E+08	608	808	1.46E+08	-0.21432	0.003712	0
chr2	1.47E+08	1.47E+08	599	797	1.47E+08	-0.21606	0.003481	0
chr2	1.47E+08	1.47E+08	642	841	1.47E+08	-0.19357	0.007735	0
chr2	1.47E+08	1.47E+08	609	799	1.47E+08	-0.19579	0.00717	0
chr2	1.47E+08	1.47E+08	555	725	1.47E+08	-0.18953	0.008864	0
chr2	1.47E+08	1.47E+08	553	726	1.47E+08	-0.19673	0.006943	0
chr2	1.47E+08	1.47E+08	562	760	1.47E+08	-0.23947	0.001412	0
chr2	1.47E+08	1.47E+08	612	807	1.47E+08	-0.20307	0.005566	0
chr2	1.47E+08	1.48E+08	571	770	1.47E+08	-0.2354	0.00166	0
chr2	1.47E+08	1.48E+08	588	768	1.48E+08	-0.18933	0.008925	0
chr2	1.48E+08	1.48E+08	524	739	1.48E+08	-0.30004	9.78E-05	0
chr2	1.48E+08	1.48E+08	546	763	1.48E+08	-0.28682	0.000183	0
chr2	1.48E+08	1.48E+08	551	738	1.48E+08	-0.22561	0.002431	0
chr2	1.48E+08	1.48E+08	602	837	1.48E+08	-0.2795	0.000255	0

chr2	1.48E+08	1.48E+08	573	779	1.48E+08	-0.24713	0.001035	0
chr2	1.48E+08	1.49E+08	591	775	1.49E+08	-0.19508	0.007348	0
chr2	1.49E+08	1.49E+08	517	681	1.49E+08	-0.20153	0.005877	0
chr2	1.49E+08	1.49E+08	611	806	1.49E+08	-0.20364	0.005455	0
chr2	1.5E+08	1.5E+08	728	975	1.5E+08	-0.2255	0.002441	0
chr2	1.5E+08	1.5E+08	720	1030	1.50E+08	-0.32061	3.55E-05	0
chr2	1.51E+08	1.51E+08	709	930	1.51E+08	-0.19548	0.007247	0
chr2	1.52E+08	1.52E+08	596	801	1.52E+08	-0.23053	0.00201	0
chr2	1.52E+08	1.52E+08	682	918	1.52E+08	-0.23276	0.001842	0
chr2	1.52E+08	1.52E+08	665	931	1.52E+08	-0.28946	0.000161	0
chr2	1.52E+08	1.52E+08	789	782	1.52E+08	0.20882	0.004207	0
chr2	1.52E+08	1.53E+08	574	754	1.53E+08	-0.19755	0.006749	0
chr2	1.54E+08	1.54E+08	651	850	1.54E+08	-0.18884	0.009071	0
chr2	1.54E+08	1.55E+08	599	801	1.54E+08	-0.22328	0.002656	0
chr2	1.54E+08	1.55E+08	579	758	1.55E+08	-0.19267	0.007975	0
chr2	1.55E+08	1.55E+08	647	844	1.55E+08	-0.18751	0.009481	0
chr2	1.55E+08	1.55E+08	625	832	1.55E+08	-0.21676	0.003392	0
chr2	1.55E+08	1.55E+08	616	841	1.55E+08	-0.25321	0.000804	0
chr2	1.56E+08	1.56E+08	632	842	1.56E+08	-0.21793	0.003248	0
chr2	1.56E+08	1.56E+08	548	735	1.56E+08	-0.22761	0.002251	0
chr2	1.58E+08	1.58E+08	579	776	1.58E+08	-0.22653	0.002346	0
chr2	1.59E+08	1.59E+08	596	784	1.59E+08	-0.19958	0.006291	0
chr2	1.59E+08	1.59E+08	702	923	1.59E+08	-0.1989	0.006442	0
chr2	1.62E+08	1.62E+08	656	876	1.62E+08	-0.22127	0.002866	0
chr2	1.65E+08	1.65E+08	696	919	1.65E+08	-0.20501	0.005196	0
chr2	1.68E+08	1.68E+08	498	691	1.68E+08	-0.27658	0.000291	0
chr2	1.68E+08	1.68E+08	544	745	1.68E+08	-0.25767	0.000666	0
chr2	1.68E+08	1.68E+08	615	807	1.68E+08	-0.19602	0.007114	0
chr2	1.69E+08	1.69E+08	630	852	1.69E+08	-0.23954	0.001408	0
chr2	1.69E+08	1.69E+08	550	721	1.69E+08	-0.1946	0.007467	0
chr2	1.69E+08	1.69E+08	612	800	1.69E+08	-0.19051	0.008579	0
chr2	1.7E+08	1.7E+08	836	821	1.7E+08	0.222084	0.002542	0
chr2	1.73E+08	1.73E+08	858	837	1.73E+08	0.231713	0.001736	0
chr2	1.77E+08	1.77E+08	985	974	1.77E+08	0.212165	0.003714	0
chr2	1.78E+08	1.78E+08	968	914	1.78E+08	0.278776	0.000223	0
chr2	1.8E+08	1.8E+08	688	908	1.8E+08	-0.20432	0.005326	0
chr2	1.81E+08	1.81E+08	653	879	1.81E+08	-0.23282	0.001838	0
chr2	1.85E+08	1.85E+08	653	861	1.85E+08	-0.20297	0.005587	0
chr2	1.85E+08	1.85E+08	615	825	1.85E+08	-0.22784	0.00223	0
chr2	1.85E+08	1.85E+08	493	671	1.85E+08	-0.24876	0.000967	0
chr2	1.87E+08	1.87E+08	586	778	1.87E+08	-0.21291	0.00391	0
chr2	1.87E+08	1.87E+08	602	799	1.87E+08	-0.21247	0.003973	0
chr2	1.88E+08	1.88E+08	641	843	1.88E+08	-0.19925	0.006364	0
chr2	1.94E+08	1.94E+08	661	895	1.94E+08	-0.24127	0.001313	0
chr2	1.97E+08	1.97E+08	740	966	1.97E+08	-0.18853	0.009164	0
chr2	1.97E+08	1.97E+08	740	1004	1.97E+08	-0.2442	0.001166	0
chr2	1.99E+08	1.99E+08	596	845	1.99E+08	-0.30768	6.76E-05	0

chr2	1.99E+08	1.99E+08	595	780	1.99E+08	-0.19462	0.007463	0
chr2	1.99E+08	2E+08	641	843	2E+08	-0.19925	0.006364	0
chr2	2.02E+08	2.02E+08	990	941	2.02E+08	0.269197	0.000347	0
chr2	2.06E+08	2.06E+08	639	844	2.06E+08	-0.20546	0.005114	0
chr2	2.06E+08	2.06E+08	594	779	2.06E+08	-0.1952	0.007317	0
chr2	2.06E+08	2.06E+08	589	773	2.06E+08	-0.19624	0.007061	0
chr2	2.06E+08	2.06E+08	631	840	2.06E+08	-0.21679	0.003389	0
chr2	2.06E+08	2.06E+08	566	757	2.06E+08	-0.22353	0.002631	0
chr2	2.06E+08	2.06E+08	599	851	2.06E+08	-0.31064	5.84E-05	0
chr2	2.06E+08	2.06E+08	665	870	2.06E+08	-0.1917	0.008242	0
chr2	2.06E+08	2.06E+08	679	916	2.06E+08	-0.23597	0.001623	0
chr2	2.06E+08	2.06E+08	676	888	2.06E+08	-0.19757	0.006744	0
chr2	2.06E+08	2.07E+08	738	984	2.06E+08	-0.21907	0.003112	0
chr2	2.09E+08	2.09E+08	759	994	2.09E+08	-0.19318	0.007838	0
chr2	2.1E+08	2.1E+08	623	853	2.1E+08	-0.25735	0.000675	0
chr2	2.1E+08	2.1E+08	561	736	2.1E+08	-0.19574	0.007182	0
chr2	2.1E+08	2.1E+08	544	776	2.1E+08	-0.31649	4.37E-05	0
chr2	2.11E+08	2.11E+08	920	873	2.11E+08	0.271615	0.000311	0
chr2	2.11E+08	2.11E+08	684	901	2.11E+08	-0.20157	0.005868	0
chr2	2.14E+08	2.14E+08	515	696	2.14E+08	-0.23855	0.001465	0
chr2	2.15E+08	2.15E+08	649	870	2.15E+08	-0.22683	0.002319	0
chr2	2.15E+08	2.16E+08	624	829	2.16E+08	-0.21386	0.003775	0
chr2	2.16E+08	2.16E+08	615	823	2.16E+08	-0.22434	0.002551	0
chr2	2.16E+08	2.16E+08	657	881	2.16E+08	-0.22729	0.002279	0
chr2	2.16E+08	2.16E+08	634	841	2.16E+08	-0.21166	0.004091	0
chr2	2.19E+08	2.19E+08	947	926	2.19E+08	0.228315	0.001989	0
chr2	2.19E+08	2.19E+08	1113	1068	2.19E+08	0.255505	0.00064	0
chr2	2.19E+08	2.19E+08	1098	1070	2.19E+08	0.23323	0.001633	0
chr2	2.19E+08	2.2E+08	952	944	2.19E+08	0.208138	0.004315	0
chr2	2.19E+08	2.2E+08	981	970	2.2E+08	0.212231	0.003705	0
chr2	2.2E+08	2.2E+08	1124	1120	2.2E+08	0.201106	0.005575	0
chr2	2.2E+08	2.2E+08	1101	1098	2.2E+08	0.199899	0.005821	0
chr2	2.2E+08	2.2E+08	687	650	2.2E+08	0.275833	0.000256	0
chr2	2.2E+08	2.2E+08	933	894	2.2E+08	0.257565	0.000584	0
chr2	2.2E+08	2.2E+08	899	842	2.2E+08	0.290464	0.000127	0
chr2	2.2E+08	2.21E+08	809	813	2.2E+08	0.188847	0.008569	0
chr2	2.21E+08	2.21E+08	490	652	2.21E+08	-0.21613	0.003473	0
chr2	2.21E+08	2.21E+08	508	674	2.21E+08	-0.21196	0.004047	0
chr2	2.22E+08	2.22E+08	436	576	2.22E+08	-0.20578	0.005057	0
chr2	2.23E+08	2.23E+08	441	615	2.23E+08	-0.28384	0.000209	0
chr2	2.24E+08	2.24E+08	547	713	2.24E+08	-0.1864	0.009838	0
chr2	2.29E+08	2.29E+08	425	555	2.29E+08	-0.18906	0.009004	0
chr2	2.32E+08	2.32E+08	637	639	2.32E+08	0.19144	0.007838	0
chr2	2.32E+08	2.32E+08	721	660	2.32E+08	0.323496	2.37E-05	0
chr2	2.32E+08	2.32E+08	668	666	2.32E+08	0.200289	0.00574	0
chr2	2.32E+08	2.32E+08	620	622	2.32E+08	0.191317	0.007872	0
chr2	2.32E+08	2.32E+08	636	619	2.32E+08	0.23505	0.001517	0

chr2	2.32E+08	2.32E+08	636	628	2.32E+08	0.214225	0.003437	0
chr2	2.32E+08	2.33E+08	630	633	2.32E+08	0.189109	0.008493	0
chr2	2.32E+08	2.33E+08	659	620	2.33E+08	0.283973	0.000174	0
chr2	2.33E+08	2.33E+08	693	625	2.33E+08	0.344962	7.32E-06	0
chr2	2.33E+08	2.33E+08	613	608	2.33E+08	0.207779	0.004372	0
chr2	2.33E+08	2.33E+08	758	713	2.33E+08	0.284259	0.000172	0
chr2	2.33E+08	2.33E+08	829	813	2.33E+08	0.22408	0.002352	0
chr2	2.36E+08	2.36E+08	653	657	2.36E+08	0.187153	0.009079	0
chr2	2.37E+08	2.37E+08	674	672	2.37E+08	0.20025	0.005748	0
chr2	2.37E+08	2.37E+08	533	721	2.37E+08	-0.2399	0.001388	0
chr2	2.39E+08	2.39E+08	728	724	2.39E+08	0.203912	0.005037	0
chr2	2.39E+08	2.39E+08	689	673	2.39E+08	0.229861	0.00187	0
chr2	2.39E+08	2.39E+08	673	671	2.39E+08	0.200257	0.005747	0
chr2	2.39E+08	2.39E+08	751	730	2.39E+08	0.236879	0.001407	0
chr2	2.39E+08	2.39E+08	793	792	2.39E+08	0.197783	0.006277	0
chr2	2.39E+08	2.39E+08	640	645	2.39E+08	0.184736	0.009851	0
chr2	2.4E+08	2.4E+08	683	682	2.4E+08	0.198077	0.006212	0
chr2	2.4E+08	2.4E+08	701	704	2.4E+08	0.189802	0.008293	0
chr2	2.4E+08	2.4E+08	513	504	2.4E+08	0.221498	0.002601	0
chr2	2.4E+08	2.4E+08	505	497	2.4E+08	0.219001	0.002864	0
chr2	2.4E+08	2.4E+08	758	745	2.4E+08	0.22092	0.00266	0
chr2	2.41E+08	2.41E+08	634	610	2.41E+08	0.251637	0.000756	0
chr2	2.41E+08	2.41E+08	682	667	2.41E+08	0.228048	0.002011	0
chr2	2.41E+08	2.41E+08	699	678	2.41E+08	0.23997	0.001239	0
chr2	2.41E+08	2.41E+08	781	771	2.41E+08	0.214555	0.003394	0
chr2	2.41E+08	2.42E+08	744	749	2.42E+08	0.1863	0.009345	0
chr2	2.42E+08	2.42E+08	642	611	2.42E+08	0.267364	0.000377	0
chr2	2.42E+08	2.42E+08	841	810	2.42E+08	0.250147	0.000806	0
chr2	2.42E+08	2.42E+08	824	797	2.42E+08	0.244028	0.001046	0
chr2	2.42E+08	2.42E+08	763	731	2.42E+08	0.257775	0.000579	0
chr2	2.42E+08	2.42E+08	762	735	2.42E+08	0.24801	0.000884	0
chr2	2.42E+08	2.42E+08	681	636	2.42E+08	0.294591	0.000104	0
chr2	2.42E+08	2.42E+08	627	599	2.42E+08	0.261872	0.000483	0
chr2	2.43E+08	2.43E+08	702	673	2.43E+08	0.256828	0.000604	0
chr2	2.43E+08	2.43E+08	699	681	2.43E+08	0.233601	0.001609	0
chr2	2.43E+08	2.43E+08	1	1	2.43E+08	0.195963	0.006694	0
chr2	2.43E+08	2.43E+08	1	1	2.43E+08	0.195963	0.006694	0
chr2	650001	750000	940	976	7.00E+05	0.141743	0.03673	0
chr2	1650001	1750000	1002	1046	1700000	0.133963	0.045346	0
chr2	3450001	3550000	819	853	3500000	0.137281	0.041491	0
chr2	4050001	4150000	707	901	4100000	-0.15385	0.026877	0
chr2	4350001	4450000	638	829	4400000	-0.18185	0.011416	0
chr2	4500001	4600000	662	837	4550000	-0.14243	0.036992	0
chr2	5100001	5200000	502	641	5150000	-0.15667	0.024773	0
chr2	5350001	5450000	625	798	5400000	-0.15657	0.024848	0
chr2	5950001	6050000	630	804	6.00E+06	-0.15588	0.02535	0
chr2	6250001	6350000	588	757	6300000	-0.16851	0.017391	0

chr2	6300001	6400000	609	770	6350000	-0.14245	0.036972	0
chr2	6600001	6700000	662	850	6650000	-0.16467	0.019548	0
chr2	6800001	6900000	688	890	6850000	-0.17543	0.014021	0
chr2	7200001	7300000	733	930	7250000	-0.14745	0.032214	0
chr2	7600001	7700000	659	852	7650000	-0.17461	0.014389	0
chr2	9250001	9350000	987	1013	9300000	0.158451	0.022711	0
chr2	9550001	9650000	1009	1039	9600000	0.153694	0.026145	0
chr2	9650001	9750000	879	889	9700000	0.179643	0.01167	0
chr2	9750001	9850000	1035	1049	9800000	0.176579	0.012899	0
chr2	9800001	9900000	1036	1083	9850000	0.131954	0.047817	0
chr2	10250001	10350000	979	991	10300000	0.178387	0.012161	0
chr2	10300001	10400000	1091	1102	10350000	0.18149	0.010979	0
chr2	10350001	10450000	1178	1214	10400000	0.152534	0.027045	0
chr2	10550001	10650000	1141	1184	10600000	0.142593	0.035876	0
chr2	10650001	10750000	1018	1039	10700000	0.166505	0.017764	0
chr2	10900001	11000000	1006	1039	10950000	0.149398	0.029611	0
chr2	10950001	11050000	1007	1040	1.10E+07	0.149443	0.029572	0
chr2	11650001	11750000	1025	1072	11700000	0.131282	0.048666	0
chr2	12100001	12200000	784	1011	12150000	-0.17089	0.01616	0
chr2	12400001	12500000	745	960	12450000	-0.16983	0.0167	0
chr2	12650001	12750000	626	802	12700000	-0.16148	0.021509	0
chr2	12700001	12800000	619	779	12750000	-0.13572	0.044276	0
chr2	13350001	13450000	596	751	13400000	-0.13754	0.042198	0
chr2	13400001	13500000	620	778	13450000	-0.13154	0.049374	0
chr2	13750001	13850000	593	770	13800000	-0.18086	0.011788	0
chr2	14000001	14100000	593	759	14050000	-0.1601	0.022402	0
chr2	14200001	14300000	564	726	14250000	-0.16831	0.017499	0
chr2	14350001	14450000	633	806	14400000	-0.15261	0.027851	0
chr2	14400001	14500000	604	764	14450000	-0.14306	0.036365	0
chr2	14600001	14700000	593	764	14650000	-0.16958	0.016831	0
chr2	14750001	14850000	679	861	14800000	-0.14664	0.032953	0
chr2	14800001	14900000	699	895	14850000	-0.16063	0.022055	0
chr2	15050001	15150000	712	912	15100000	-0.16119	0.021691	0
chr2	15100001	15200000	718	909	15150000	-0.14433	0.035119	0
chr2	16100001	16200000	761	965	16150000	-0.14667	0.032925	0
chr2	16900001	17000000	633	820	16950000	-0.17746	0.01315	0
chr2	17300001	17400000	626	802	17350000	-0.16148	0.021509	0
chr2	17600001	17700000	597	772	17650000	-0.17491	0.014256	0
chr2	17650001	17750000	683	862	17700000	-0.13984	0.039681	0
chr2	17700001	17800000	722	927	17750000	-0.16461	0.019584	0
chr2	18250001	18350000	626	791	18300000	-0.14155	0.037888	0
chr2	18550001	18650000	699	894	18600000	-0.15902	0.02313	0
chr2	19350001	19450000	682	886	19400000	-0.18157	0.011521	0
chr2	19450001	19550000	699	900	19500000	-0.16867	0.017308	0
chr2	20250001	20350000	1014	1053	20300000	0.141515	0.036962	0
chr2	20600001	20700000	992	1020	20650000	0.155806	0.02457	0
chr2	21050001	21150000	847	1063	21100000	-0.13174	0.049112	0

chr2	21100001	21200000	643	819	21150000	-0.15308	0.027479	0
chr2	21900001	22000000	746	947	21950000	-0.14823	0.031527	0
chr2	22050001	22150000	631	820	22100000	-0.18202	0.011354	0
chr2	22100001	22200000	662	862	22150000	-0.18489	0.010337	0
chr2	22450001	22550000	638	809	22500000	-0.14662	0.03297	0
chr2	22500001	22600000	673	853	22550000	-0.14598	0.033564	0
chr2	23150001	23250000	721	915	23200000	-0.14781	0.031896	0
chr2	23200001	23300000	725	942	23250000	-0.18178	0.011442	0
chr2	23400001	23500000	763	967	23450000	-0.14587	0.033663	0
chr2	23450001	23550000	779	1000	23500000	-0.16434	0.019742	0
chr2	24000001	24100000	844	863	24050000	0.163845	0.019285	0
chr2	24100001	24200000	764	772	24150000	0.180935	0.011183	0
chr2	25250001	25350000	928	958	25300000	0.150062	0.029051	0
chr2	25850001	25950000	877	898	25900000	0.161824	0.020513	0
chr2	26700001	26800000	1196	1239	26750000	0.145004	0.033542	0
chr2	27200001	27300000	1159	1185	27250000	0.163957	0.019219	0
chr2	27300001	27400000	1075	1089	27350000	0.177296	0.012602	0
chr2	27650001	27750000	999	1036	27700000	0.143496	0.034987	0
chr2	27800001	27900000	972	1007	27850000	0.144928	0.033614	0
chr2	28350001	28450000	874	1126	28400000	-0.16954	0.016852	0
chr2	28550001	28650000	1139	1151	28600000	0.180843	0.011217	0
chr2	29600001	29700000	864	903	29650000	0.132268	0.047423	0
chr2	30550001	30650000	723	922	30600000	-0.15481	0.026149	0
chr2	31600001	31700000	749	947	31650000	-0.14244	0.03699	0
chr2	32000001	32100000	631	808	32050000	-0.16075	0.021977	0
chr2	33100001	33200000	877	917	33150000	0.131618	0.04824	0
chr2	33150001	33250000	897	935	33200000	0.136105	0.042825	0
chr2	33900001	34000000	673	858	33950000	-0.15441	0.026452	0
chr2	34350001	34450000	627	802	34400000	-0.15917	0.023025	0
chr2	34900001	35000000	573	719	34950000	-0.13149	0.049432	0
chr2	35400001	35500000	617	776	35450000	-0.13482	0.045333	0
chr2	35450001	35550000	565	732	35500000	-0.17763	0.013077	0
chr2	35600001	35700000	631	822	35650000	-0.18554	0.010122	0
chr2	35800001	35900000	691	867	35850000	-0.13138	0.049572	0
chr2	36050001	36150000	689	882	36100000	-0.16031	0.022265	0
chr2	36800001	36900000	926	936	36850000	0.180467	0.011357	0
chr2	37400001	37500000	940	964	37450000	0.159591	0.021947	0
chr2	37600001	37700000	800	1004	37650000	-0.13172	0.049138	0
chr2	38750001	38850000	967	991	38800000	0.160594	0.021293	0
chr2	38850001	38950000	809	832	38900000	0.155519	0.024779	0
chr2	38900001	39000000	806	819	38950000	0.172879	0.014532	0
chr2	39450001	39550000	806	1022	39500000	-0.14658	0.033007	0
chr2	40050001	40150000	753	972	40100000	-0.17234	0.015449	0
chr2	40150001	40250000	612	789	40200000	-0.17053	0.016343	0
chr2	40500001	40600000	714	917	40550000	-0.16503	0.019334	0
chr2	40900001	41000000	610	780	40950000	-0.1587	0.023347	0
chr2	41350001	41450000	659	837	41400000	-0.14899	0.030862	0

chr2	43100001	43200000	1061	1104	43150000	0.138648	0.039982	0
chr2	43700001	43800000	849	885	43750000	0.13605	0.042888	0
chr2	43750001	43850000	848	884	43800000	0.135981	0.042968	0
chr2	44050001	44150000	878	886	44100000	0.182877	0.010484	0
chr2	46300001	46400000	1132	1164	46350000	0.155746	0.024613	0
chr2	46500001	46600000	1189	1216	46550000	0.163569	0.019449	0
chr2	47100001	47200000	1061	1102	47150000	0.141263	0.037219	0
chr2	47150001	47250000	1143	1182	47200000	0.147558	0.031207	0
chr2	47400001	47500000	1050	1095	47450000	0.135421	0.043617	0
chr2	47950001	48050000	835	870	4.80E+07	0.136724	0.042118	0
chr2	48150001	48250000	663	854	48200000	-0.16926	0.016995	0
chr2	48950001	49050000	632	819	4.90E+07	-0.17798	0.012933	0
chr2	49150001	49250000	685	864	49200000	-0.13896	0.040623	0
chr2	49250001	49350000	648	840	49300000	-0.17843	0.012746	0
chr2	49350001	49450000	625	791	49400000	-0.14386	0.03558	0
chr2	49550001	49650000	629	814	49600000	-0.17601	0.013769	0
chr2	49600001	49700000	601	759	49650000	-0.14077	0.038696	0
chr2	49700001	49800000	564	713	49750000	-0.14224	0.037183	0
chr2	50450001	50550000	640	807	50500000	-0.13853	0.041093	0
chr2	50500001	50600000	635	804	50550000	-0.14448	0.034982	0
chr2	50800001	50900000	667	841	50850000	-0.13846	0.041179	0
chr2	51100001	51200000	652	820	51150000	-0.13479	0.045373	0
chr2	51650001	51750000	628	807	51700000	-0.16584	0.018867	0
chr2	51700001	51800000	585	749	51750000	-0.16057	0.022098	0
chr2	51900001	52000000	619	794	51950000	-0.16324	0.020408	0
chr2	51950001	52050000	584	757	5.20E+07	-0.17836	0.012775	0
chr2	52100001	52200000	613	798	52150000	-0.18454	0.010459	0
chr2	52350001	52450000	630	808	52400000	-0.16304	0.020528	0
chr2	52900001	53000000	686	886	52950000	-0.17314	0.015071	0
chr2	54700001	54800000	940	971	54750000	0.149152	0.02982	0
chr2	55000001	55100000	870	1100	55050000	-0.14245	0.036972	0
chr2	56450001	56550000	726	919	56500000	-0.14413	0.035314	0
chr2	56550001	56650000	683	881	56600000	-0.17129	0.015962	0
chr2	56900001	57000000	604	771	56950000	-0.15622	0.025102	0
chr2	56950001	57050000	609	771	5.70E+07	-0.14433	0.035127	0
chr2	57000001	57100000	601	762	57050000	-0.14646	0.033114	0
chr2	57450001	57550000	486	626	57500000	-0.16924	0.017006	0
chr2	57700001	57800000	620	805	57750000	-0.18076	0.011828	0
chr2	57750001	57850000	537	677	57800000	-0.13827	0.041383	0
chr2	57900001	58000000	682	888	57950000	-0.18482	0.010361	0
chr2	58000001	58100000	691	869	58050000	-0.13471	0.04547	0
chr2	58200001	58300000	729	928	58250000	-0.15224	0.028145	0
chr2	58700001	58800000	663	843	58750000	-0.15056	0.029523	0
chr2	58850001	58950000	703	885	58900000	-0.13619	0.043732	0
chr2	59100001	59200000	745	941	59150000	-0.14099	0.038468	0
chr2	59350001	59450000	670	849	59400000	-0.14564	0.033877	0
chr2	59650001	59750000	686	885	59700000	-0.17151	0.015857	0

chr2	59850001	59950000	663	835	59900000	-0.1368	0.043027	0
chr2	60450001	60550000	790	1026	60500000	-0.18114	0.011682	0
chr2	60500001	60600000	839	1054	60550000	-0.13317	0.047333	0
chr2	61250001	61350000	802	835	61300000	0.137789	0.040924	0
chr2	61300001	61400000	813	848	61350000	0.135154	0.043929	0
chr2	61350001	61450000	890	928	61400000	0.135644	0.043358	0
chr2	61650001	61750000	827	858	61700000	0.142873	0.035599	0
chr2	61750001	61850000	784	803	61800000	0.161417	0.020768	0
chr2	62050001	62150000	836	855	62100000	0.163542	0.019465	0
chr2	62100001	62200000	824	837	62150000	0.17338	0.014301	0
chr2	63150001	63250000	780	987	63200000	-0.14361	0.03582	0
chr2	63500001	63600000	636	798	63550000	-0.1314	0.049552	0
chr2	63750001	63850000	728	744	63800000	0.164599	0.018843	0
chr2	64200001	64300000	705	898	64250000	-0.15313	0.027442	0
chr2	64250001	64350000	709	890	64300000	-0.13206	0.048718	0
chr2	65200001	65300000	994	1026	65250000	0.15025	0.028894	0
chr2	65250001	65350000	910	925	65300000	0.172376	0.014767	0
chr2	65300001	65400000	833	848	65350000	0.170215	0.015815	0
chr2	65800001	65900000	811	1055	65850000	-0.18351	0.010818	0
chr2	65850001	65950000	802	1043	65900000	-0.1831	0.010962	0
chr2	66000001	66100000	766	995	66050000	-0.18139	0.011589	0
chr2	66800001	66900000	530	678	66850000	-0.15933	0.02292	0
chr2	66900001	67000000	676	857	66950000	-0.14631	0.033256	0
chr2	67000001	67100000	716	913	67050000	-0.15469	0.026236	0
chr2	67250001	67350000	709	895	67300000	-0.14014	0.039362	0
chr2	67350001	67450000	637	800	67400000	-0.13274	0.047859	0
chr2	67850001	67950000	710	893	67900000	-0.13488	0.045267	0
chr2	68050001	68150000	773	970	68100000	-0.13155	0.049356	0
chr2	69300001	69400000	1118	1162	69350000	0.140273	0.038246	0
chr2	69400001	69500000	1075	1104	69450000	0.15756	0.023323	0
chr2	69800001	69900000	982	997	69850000	0.174093	0.013978	0
chr2	70050001	70150000	957	984	70100000	0.155824	0.024557	0
chr2	70100001	70200000	1069	1097	70150000	0.158661	0.022568	0
chr2	70150001	70250000	1070	1112	70200000	0.140417	0.038096	0
chr2	70600001	70700000	810	1038	70650000	-0.16185	0.021272	0
chr2	71050001	71150000	908	933	71100000	0.156778	0.023872	0
chr2	71550001	71650000	878	914	71600000	0.13799	0.040702	0
chr2	72550001	72650000	690	870	72600000	-0.13846	0.041179	0
chr2	73250001	73350000	1061	1071	73300000	0.182429	0.010642	0
chr2	73300001	73400000	967	984	73350000	0.170821	0.015516	0
chr2	73400001	73500000	1048	1078	73450000	0.155245	0.02498	0
chr2	73950001	74050000	649	676	7.40E+07	0.137158	0.041628	0
chr2	74000001	74100000	748	769	74050000	0.156018	0.024416	0
chr2	74050001	74150000	981	999	74100000	0.169731	0.016059	0
chr2	74150001	74250000	1059	1073	74200000	0.177016	0.012718	0
chr2	74350001	74450000	895	916	74400000	0.162503	0.020093	0
chr2	74500001	74600000	1021	1057	74550000	0.145971	0.032642	0



chr2	74550001	74650000	1068	1088	74600000	0.169196	0.016332	0
chr2	76050001	76150000	619	798	76100000	-0.17049	0.016366	0
chr2	76100001	76200000	668	847	76150000	-0.14655	0.033034	0
chr2	76200001	76300000	575	748	76250000	-0.18351	0.010816	0
chr2	76300001	76400000	537	685	76350000	-0.15522	0.025841	0
chr2	76600001	76700000	581	744	76650000	-0.1608	0.021945	0
chr2	76650001	76750000	557	701	76700000	-0.13577	0.044214	0
chr2	77350001	77450000	479	604	77400000	-0.13856	0.041065	0
chr2	77450001	77550000	586	758	77500000	-0.17533	0.014065	0
chr2	77500001	77600000	585	734	77550000	-0.13138	0.049576	0
chr2	78000001	78100000	551	714	78050000	-0.17791	0.012961	0
chr2	78250001	78350000	600	756	78300000	-0.13746	0.042285	0
chr2	78300001	78400000	569	724	78350000	-0.1516	0.028667	0
chr2	78400001	78500000	576	724	78450000	-0.13396	0.04637	0
chr2	78500001	78600000	547	703	78550000	-0.16602	0.018765	0
chr2	79250001	79350000	529	669	79300000	-0.14278	0.036649	0
chr2	79450001	79550000	615	790	79500000	-0.1653	0.019177	0
chr2	80250001	80350000	611	778	80300000	-0.15263	0.027832	0
chr2	81300001	81400000	612	771	81350000	-0.13724	0.042537	0
chr2	81650001	81750000	592	756	81700000	-0.15683	0.024663	0
chr2	81950001	82050000	560	718	8.20E+07	-0.16259	0.020804	0
chr2	82000001	82100000	547	706	82050000	-0.17216	0.015535	0
chr2	82150001	82250000	568	731	82200000	-0.16802	0.017657	0
chr2	82600001	82700000	603	771	82650000	-0.15861	0.02341	0
chr2	82800001	82900000	590	752	82850000	-0.15405	0.026723	0
chr2	83100001	83200000	584	753	83150000	-0.17072	0.016249	0
chr2	83500001	83600000	531	676	83550000	-0.15235	0.028061	0
chr2	83600001	83700000	620	778	83650000	-0.13154	0.049374	0
chr2	83950001	84050000	542	703	8.40E+07	-0.17927	0.012409	0
chr2	84250001	84350000	678	861	84300000	-0.14876	0.031054	0
chr2	84450001	84550000	713	905	84500000	-0.14805	0.03168	0
chr2	84550001	84650000	627	814	84600000	-0.1806	0.011888	0
chr2	84800001	84900000	719	913	84850000	-0.14866	0.031146	0
chr2	85050001	85150000	1002	1034	85100000	0.150609	0.028597	0
chr2	85550001	85650000	980	992	85600000	0.178405	0.012154	0
chr2	85650001	85750000	908	916	85700000	0.183308	0.010334	0
chr2	85700001	85800000	881	902	85750000	0.161978	0.020417	0
chr2	85800001	85900000	999	1025	85850000	0.158896	0.02241	0
chr2	85950001	86050000	1250	1263	8.60E+07	0.181036	0.011145	0
chr2	86300001	86400000	952	984	86350000	0.148266	0.030585	0
chr2	87200001	87300000	15	19	87250000	-0.14507	0.034411	0
chr2	87550001	87650000	68	86	87600000	-0.14284	0.036586	0
chr2	87850001	87950000	18	23	87900000	-0.15767	0.024061	0
chr2	88100001	88200000	14	18	88150000	-0.16661	0.018434	0
chr2	88300001	88400000	890	908	88350000	0.167076	0.017452	0
chr2	88500001	88600000	760	966	88550000	-0.15006	0.029943	0
chr2	88550001	88650000	729	935	88600000	-0.16308	0.020501	0

chr2	88900001	89000000	941	982	88950000	0.134435	0.04478	0
chr2	89750001	89850000	235	295	89800000	-0.13209	0.048675	0
chr2	90400001	90500000	132	167	90450000	-0.14335	0.036082	0
chr2	91850001	91950000	97	124	91900000	-0.15832	0.02361	0
chr2	92000001	92100000	62	63	92050000	0.172879	0.014532	0
chr2	95400001	95500000	232	241	95450000	0.141055	0.037434	0
chr2	95500001	95600000	437	451	95550000	0.150469	0.028713	0
chr2	96000001	96100000	783	801	96050000	0.163173	0.019686	0
chr2	96250001	96350000	62	78	96300000	-0.13524	0.044836	0
chr2	96350001	96450000	189	238	96400000	-0.13661	0.043246	0
chr2	96400001	96500000	109	141	96450000	-0.1754	0.014034	0
chr2	96500001	96600000	65	83	96550000	-0.15671	0.024748	0
chr2	96750001	96850000	1183	1212	96800000	0.161023	0.021018	0
chr2	96900001	97000000	1078	1100	96950000	0.166817	0.017593	0
chr2	97150001	97250000	1067	1103	97200000	0.14809	0.030738	0
chr2	97650001	97750000	268	337	97700000	-0.13455	0.045655	0
chr2	97800001	97900000	88	112	97850000	-0.15196	0.028373	0
chr2	98000001	98100000	111	115	98050000	0.144889	0.033651	0
chr2	98150001	98250000	64	66	98200000	0.151569	0.027814	0
chr2	98250001	98350000	889	912	98300000	0.159113	0.022264	0
chr2	99850001	99950000	599	776	99900000	-0.17754	0.013115	0
chr2	1E+08	1E+08	894	929	1E+08	0.140559	0.037947	0
chr2	1E+08	1E+08	794	820	1E+08	0.149478	0.029543	0
chr2	1E+08	1.01E+08	872	894	1.01E+08	0.160016	0.021667	0
chr2	1.02E+08	1.02E+08	988	1006	1.02E+08	0.169916	0.015966	0
chr2	1.02E+08	1.02E+08	901	913	1.02E+08	0.176875	0.012776	0
chr2	1.02E+08	1.02E+08	816	835	1.02E+08	0.162756	0.019939	0
chr2	1.02E+08	1.02E+08	777	795	1.02E+08	0.162923	0.019837	0
chr2	1.03E+08	1.03E+08	658	842	1.03E+08	-0.15977	0.022625	0
chr2	1.03E+08	1.04E+08	645	838	1.03E+08	-0.18169	0.011477	0
chr2	1.04E+08	1.04E+08	655	830	1.04E+08	-0.14565	0.033865	0
chr2	1.04E+08	1.04E+08	725	931	1.04E+08	-0.16484	0.019449	0
chr2	1.04E+08	1.04E+08	590	744	1.04E+08	-0.13862	0.040994	0
chr2	1.04E+08	1.05E+08	631	817	1.05E+08	-0.17673	0.013456	0
chr2	1.05E+08	1.05E+08	631	822	1.05E+08	-0.18554	0.010122	0
chr2	1.05E+08	1.05E+08	676	866	1.05E+08	-0.16138	0.02157	0
chr2	1.05E+08	1.05E+08	760	961	1.05E+08	-0.14257	0.036851	0
chr2	1.06E+08	1.06E+08	751	964	1.06E+08	-0.16426	0.019792	0
chr2	1.07E+08	1.07E+08	806	827	1.07E+08	0.158856	0.022437	0
chr2	1.07E+08	1.07E+08	620	803	1.07E+08	-0.17717	0.01327	0
chr2	1.08E+08	1.08E+08	602	777	1.08E+08	-0.17219	0.015524	0
chr2	1.08E+08	1.08E+08	630	809	1.08E+08	-0.16482	0.019456	0
chr2	1.08E+08	1.08E+08	640	813	1.08E+08	-0.14922	0.03066	0
chr2	1.08E+08	1.08E+08	630	808	1.08E+08	-0.16304	0.020528	0
chr2	1.09E+08	1.09E+08	701	881	1.09E+08	-0.13376	0.046605	0
chr2	1.09E+08	1.09E+08	681	870	1.09E+08	-0.1574	0.024256	0
chr2	1.09E+08	1.09E+08	568	578	1.09E+08	0.170784	0.015533	0

chr2	1.1E+08	1.1E+08	990	1023	1.1E+08	0.148657	0.030245	0
chr2	1.12E+08	1.13E+08	263	332	1.13E+08	-0.14016	0.039343	0
chr2	1.13E+08	1.13E+08	933	975	1.13E+08	0.132438	0.047211	0
chr2	1.13E+08	1.13E+08	441	565	1.13E+08	-0.16151	0.021488	0
chr2	1.13E+08	1.13E+08	73	75	1.13E+08	0.156969	0.023737	0
chr2	1.13E+08	1.14E+08	1010	1023	1.14E+08	0.177512	0.012513	0
chr2	1.14E+08	1.14E+08	943	971	1.14E+08	0.15375	0.026102	0
chr2	1.14E+08	1.14E+08	80	102	1.14E+08	-0.15453	0.026356	0
chr2	1.15E+08	1.15E+08	851	865	1.15E+08	0.172422	0.014746	0
chr2	1.15E+08	1.15E+08	752	944	1.15E+08	-0.13209	0.048675	0
chr2	1.15E+08	1.15E+08	694	881	1.15E+08	-0.14824	0.031512	0
chr2	1.16E+08	1.16E+08	625	810	1.16E+08	-0.1781	0.012881	0
chr2	1.17E+08	1.17E+08	505	652	1.17E+08	-0.17263	0.015313	0
chr2	1.17E+08	1.18E+08	584	740	1.17E+08	-0.14559	0.033921	0
chr2	1.17E+08	1.18E+08	595	751	1.18E+08	-0.13996	0.039552	0
chr2	1.18E+08	1.18E+08	521	664	1.18E+08	-0.15394	0.026813	0
chr2	1.18E+08	1.18E+08	549	714	1.18E+08	-0.18315	0.010943	0
chr2	1.18E+08	1.18E+08	617	786	1.18E+08	-0.1533	0.027311	0
chr2	1.18E+08	1.18E+08	572	718	1.18E+08	-0.13201	0.048782	0
chr2	1.19E+08	1.19E+08	712	926	1.19E+08	-0.18317	0.010937	0
chr2	1.19E+08	1.19E+08	711	913	1.19E+08	-0.1648	0.01947	0
chr2	1.2E+08	1.2E+08	739	928	1.2E+08	-0.13259	0.048053	0
chr2	1.22E+08	1.22E+08	1080	1105	1.22E+08	0.162948	0.019822	0
chr2	1.22E+08	1.22E+08	1072	1121	1.22E+08	0.131482	0.048413	0
chr2	1.22E+08	1.23E+08	822	857	1.22E+08	0.135806	0.04317	0
chr2	1.23E+08	1.23E+08	663	845	1.23E+08	-0.15398	0.02678	0
chr2	1.23E+08	1.23E+08	669	852	1.23E+08	-0.15288	0.027635	0
chr2	1.24E+08	1.24E+08	636	819	1.24E+08	-0.16887	0.0172	0
chr2	1.24E+08	1.24E+08	529	673	1.24E+08	-0.15138	0.028848	0
chr2	1.24E+08	1.24E+08	564	721	1.24E+08	-0.15834	0.023595	0
chr2	1.24E+08	1.25E+08	654	824	1.25E+08	-0.13739	0.042363	0
chr2	1.25E+08	1.25E+08	609	789	1.25E+08	-0.17762	0.013081	0
chr2	1.25E+08	1.25E+08	595	769	1.25E+08	-0.17413	0.014608	0
chr2	1.25E+08	1.26E+08	644	826	1.26E+08	-0.16312	0.020481	0
chr2	1.26E+08	1.26E+08	628	803	1.26E+08	-0.15867	0.023367	0
chr2	1.26E+08	1.26E+08	672	867	1.26E+08	-0.17161	0.015807	0
chr2	1.27E+08	1.27E+08	601	759	1.27E+08	-0.14077	0.038696	0
chr2	1.27E+08	1.27E+08	599	762	1.27E+08	-0.15127	0.028933	0
chr2	1.27E+08	1.27E+08	691	880	1.27E+08	-0.15285	0.027658	0
chr2	1.27E+08	1.27E+08	696	903	1.27E+08	-0.17968	0.012248	0
chr2	1.27E+08	1.27E+08	686	879	1.27E+08	-0.16169	0.021372	0
chr2	1.27E+08	1.27E+08	703	899	1.27E+08	-0.15883	0.023257	0
chr2	1.28E+08	1.28E+08	896	933	1.28E+08	0.137585	0.041151	0
chr2	1.28E+08	1.28E+08	896	915	1.28E+08	0.16569	0.018219	0
chr2	1.28E+08	1.28E+08	935	968	1.28E+08	0.145922	0.032687	0
chr2	1.28E+08	1.28E+08	1028	1038	1.28E+08	0.181997	0.010796	0
chr2	1.28E+08	1.28E+08	1085	1108	1.28E+08	0.1657	0.018213	0

chr2	1.28E+08	1.28E+08	1206	1219	1.28E+08	0.180495	0.011347	0
chr2	1.28E+08	1.29E+08	956	973	1.29E+08	0.170534	0.015657	0
chr2	1.29E+08	1.29E+08	882	903	1.29E+08	0.162016	0.020394	0
chr2	1.29E+08	1.29E+08	833	864	1.29E+08	0.143248	0.035229	0
chr2	1.29E+08	1.29E+08	766	783	1.29E+08	0.164295	0.01902	0
chr2	1.29E+08	1.29E+08	905	918	1.29E+08	0.175387	0.013407	0
chr2	1.29E+08	1.29E+08	1027	1074	1.29E+08	0.131405	0.04851	0
chr2	1.3E+08	1.3E+08	684	870	1.3E+08	-0.15106	0.029111	0
chr2	1.3E+08	1.3E+08	758	960	1.3E+08	-0.14487	0.034602	0
chr2	1.3E+08	1.3E+08	705	906	1.3E+08	-0.16592	0.01882	0
chr2	1.31E+08	1.31E+08	364	379	1.31E+08	0.137704	0.041019	0
chr2	1.31E+08	1.31E+08	586	598	1.31E+08	0.166718	0.017647	0
chr2	1.31E+08	1.31E+08	38	48	1.31E+08	-0.14107	0.038384	0
chr2	1.32E+08	1.32E+08	1041	1060	1.32E+08	0.169869	0.015989	0
chr2	1.32E+08	1.32E+08	956	999	1.32E+08	0.132489	0.047148	0
chr2	1.32E+08	1.32E+08	108	110	1.32E+08	0.169491	0.016181	0
chr2	1.33E+08	1.33E+08	115	148	1.33E+08	-0.168	0.017667	0
chr2	1.33E+08	1.33E+08	638	807	1.33E+08	-0.14305	0.036376	0
chr2	1.34E+08	1.34E+08	753	956	1.34E+08	-0.1484	0.031376	0
chr2	1.35E+08	1.35E+08	708	919	1.35E+08	-0.18035	0.011984	0
chr2	1.35E+08	1.35E+08	676	869	1.35E+08	-0.16637	0.018567	0
chr2	1.35E+08	1.35E+08	712	896	1.35E+08	-0.13566	0.044349	0
chr2	1.37E+08	1.37E+08	815	847	1.37E+08	0.140401	0.038112	0
chr2	1.37E+08	1.37E+08	825	1036	1.37E+08	-0.13259	0.048044	0
chr2	1.37E+08	1.37E+08	794	1026	1.37E+08	-0.17386	0.014734	0
chr2	1.37E+08	1.37E+08	684	868	1.37E+08	-0.14774	0.031962	0
chr2	1.37E+08	1.37E+08	642	808	1.37E+08	-0.13582	0.044162	0
chr2	1.37E+08	1.38E+08	656	830	1.37E+08	-0.14345	0.035978	0
chr2	1.38E+08	1.38E+08	725	936	1.38E+08	-0.17256	0.015343	0
chr2	1.38E+08	1.38E+08	585	760	1.38E+08	-0.1816	0.01151	0
chr2	1.38E+08	1.38E+08	559	724	1.38E+08	-0.17718	0.013266	0
chr2	1.38E+08	1.38E+08	632	812	1.38E+08	-0.16559	0.01901	0
chr2	1.38E+08	1.39E+08	620	802	1.38E+08	-0.17537	0.014049	0
chr2	1.39E+08	1.39E+08	681	873	1.39E+08	-0.16236	0.020948	0
chr2	1.39E+08	1.39E+08	604	759	1.39E+08	-0.13359	0.046819	0
chr2	1.39E+08	1.39E+08	690	873	1.39E+08	-0.14342	0.036008	0
chr2	1.39E+08	1.39E+08	778	793	1.39E+08	0.168412	0.016738	0
chr2	1.39E+08	1.39E+08	662	860	1.39E+08	-0.18154	0.011532	0
chr2	1.4E+08	1.4E+08	562	726	1.4E+08	-0.17344	0.01493	0
chr2	1.4E+08	1.4E+08	600	755	1.4E+08	-0.13555	0.044474	0
chr2	1.4E+08	1.4E+08	571	726	1.40E+08	-0.15052	0.02956	0
chr2	1.4E+08	1.4E+08	565	724	1.4E+08	-0.16178	0.021318	0
chr2	1.4E+08	1.4E+08	595	765	1.4E+08	-0.16661	0.018434	0
chr2	1.4E+08	1.41E+08	610	770	1.41E+08	-0.14009	0.039418	0
chr2	1.41E+08	1.41E+08	599	760	1.41E+08	-0.14748	0.03219	0
chr2	1.41E+08	1.41E+08	531	684	1.41E+08	-0.16932	0.016965	0
chr2	1.41E+08	1.41E+08	565	731	1.41E+08	-0.17566	0.013922	0

chr2	1.42E+08	1.42E+08	583	735	1.42E+08	-0.13829	0.041367	0
chr2	1.42E+08	1.42E+08	625	798	1.42E+08	-0.15657	0.024848	0
chr2	1.42E+08	1.42E+08	652	819	1.42E+08	-0.13303	0.047506	0
chr2	1.43E+08	1.43E+08	618	782	1.43E+08	-0.1436	0.035834	0
chr2	1.43E+08	1.43E+08	636	812	1.43E+08	-0.15649	0.024906	0
chr2	1.43E+08	1.43E+08	629	817	1.43E+08	-0.18131	0.011618	0
chr2	1.43E+08	1.43E+08	654	825	1.43E+08	-0.13914	0.040432	0
chr2	1.43E+08	1.43E+08	703	909	1.43E+08	-0.17479	0.014307	0
chr2	1.43E+08	1.43E+08	708	896	1.43E+08	-0.14379	0.035651	0
chr2	1.43E+08	1.43E+08	783	996	1.43E+08	-0.15117	0.029017	0
chr2	1.43E+08	1.43E+08	744	944	1.43E+08	-0.14752	0.032154	0
chr2	1.44E+08	1.44E+08	888	929	1.44E+08	0.130844	0.049227	0
chr2	1.44E+08	1.44E+08	740	933	1.44E+08	-0.13839	0.041253	0
chr2	1.44E+08	1.44E+08	673	857	1.44E+08	-0.15273	0.02776	0
chr2	1.45E+08	1.45E+08	755	961	1.45E+08	-0.1521	0.028263	0
chr2	1.45E+08	1.45E+08	723	924	1.45E+08	-0.15793	0.023878	0
chr2	1.45E+08	1.45E+08	755	971	1.45E+08	-0.16703	0.018197	0
chr2	1.45E+08	1.45E+08	704	894	1.45E+08	-0.14874	0.031079	0
chr2	1.46E+08	1.46E+08	718	927	1.46E+08	-0.17262	0.015315	0
chr2	1.46E+08	1.46E+08	704	902	1.46E+08	-0.16159	0.021437	0
chr2	1.46E+08	1.46E+08	648	833	1.46E+08	-0.16636	0.018573	0
chr2	1.46E+08	1.46E+08	674	860	1.46E+08	-0.15563	0.025539	0
chr2	1.46E+08	1.46E+08	588	745	1.46E+08	-0.14546	0.034045	0
chr2	1.46E+08	1.46E+08	616	791	1.46E+08	-0.16478	0.01948	0
chr2	1.46E+08	1.47E+08	661	836	1.46E+08	-0.14289	0.036535	0
chr2	1.47E+08	1.47E+08	537	690	1.47E+08	-0.16571	0.018942	0
chr2	1.47E+08	1.47E+08	561	709	1.47E+08	-0.14182	0.037612	0
chr2	1.47E+08	1.47E+08	637	805	1.47E+08	-0.14173	0.037704	0
chr2	1.47E+08	1.47E+08	628	790	1.47E+08	-0.13513	0.044975	0
chr2	1.47E+08	1.47E+08	598	754	1.47E+08	-0.13846	0.041179	0
chr2	1.47E+08	1.47E+08	600	761	1.47E+08	-0.14697	0.03265	0
chr2	1.47E+08	1.47E+08	561	716	1.47E+08	-0.156	0.025266	0
chr2	1.48E+08	1.48E+08	577	742	1.48E+08	-0.16688	0.018279	0
chr2	1.48E+08	1.48E+08	625	810	1.48E+08	-0.1781	0.012881	0
chr2	1.48E+08	1.48E+08	662	846	1.48E+08	-0.15786	0.023928	0
chr2	1.49E+08	1.49E+08	818	836	1.49E+08	0.164561	0.018865	0
chr2	1.49E+08	1.49E+08	621	802	1.49E+08	-0.17305	0.015114	0
chr2	1.49E+08	1.49E+08	527	670	1.49E+08	-0.1504	0.029661	0
chr2	1.49E+08	1.49E+08	755	960	1.49E+08	-0.15059	0.029494	0
chr2	1.49E+08	1.49E+08	727	935	1.49E+08	-0.16705	0.018188	0
chr2	1.51E+08	1.51E+08	626	794	1.51E+08	-0.14701	0.032612	0
chr2	1.51E+08	1.51E+08	577	729	1.51E+08	-0.14138	0.038061	0
chr2	1.52E+08	1.52E+08	664	856	1.52E+08	-0.17046	0.016377	0
chr2	1.53E+08	1.53E+08	668	865	1.53E+08	-0.17689	0.013389	0
chr2	1.53E+08	1.53E+08	838	1059	1.53E+08	-0.14172	0.037719	0
chr2	1.54E+08	1.54E+08	761	961	1.54E+08	-0.14068	0.038796	0
chr2	1.54E+08	1.54E+08	704	914	1.54E+08	-0.18066	0.011867	0

chr2	1.54E+08	1.54E+08	659	845	1.54E+08	-0.16271	0.020733	0
chr2	1.54E+08	1.54E+08	734	768	1.54E+08	0.130637	0.049494	0
chr2	1.55E+08	1.55E+08	679	858	1.55E+08	-0.1416	0.037836	0
chr2	1.55E+08	1.55E+08	637	815	1.55E+08	-0.15954	0.022776	0
chr2	1.55E+08	1.55E+08	601	773	1.55E+08	-0.16714	0.018137	0
chr2	1.55E+08	1.55E+08	608	775	1.55E+08	-0.15416	0.02664	0
chr2	1.55E+08	1.55E+08	581	745	1.55E+08	-0.16274	0.020714	0
chr2	1.55E+08	1.55E+08	637	827	1.55E+08	-0.18063	0.011877	0
chr2	1.55E+08	1.55E+08	649	828	1.55E+08	-0.15545	0.025669	0
chr2	1.55E+08	1.56E+08	705	895	1.56E+08	-0.1483	0.03146	0
chr2	1.56E+08	1.56E+08	631	798	1.56E+08	-0.14279	0.036639	0
chr2	1.56E+08	1.56E+08	579	734	1.56E+08	-0.14625	0.033307	0
chr2	1.56E+08	1.56E+08	606	777	1.56E+08	-0.16263	0.02078	0
chr2	1.56E+08	1.56E+08	640	829	1.56E+08	-0.17734	0.0132	0
chr2	1.58E+08	1.58E+08	670	861	1.58E+08	-0.16589	0.01884	0
chr2	1.58E+08	1.59E+08	666	858	1.59E+08	-0.16949	0.016876	0
chr2	1.61E+08	1.61E+08	968	990	1.61E+08	0.163542	0.019465	0
chr2	1.62E+08	1.62E+08	639	812	1.62E+08	-0.1497	0.030248	0
chr2	1.62E+08	1.62E+08	673	856	1.62E+08	-0.15104	0.029123	0
chr2	1.62E+08	1.63E+08	675	860	1.62E+08	-0.15349	0.027162	0
chr2	1.63E+08	1.63E+08	659	828	1.63E+08	-0.13339	0.047063	0
chr2	1.63E+08	1.63E+08	776	1003	1.63E+08	-0.17423	0.014563	0
chr2	1.63E+08	1.63E+08	740	963	1.63E+08	-0.18405	0.010628	0
chr2	1.64E+08	1.64E+08	747	957	1.64E+08	-0.16145	0.021528	0
chr2	1.64E+08	1.64E+08	724	914	1.64E+08	-0.14024	0.039254	0
chr2	1.64E+08	1.64E+08	649	822	1.64E+08	-0.14496	0.034522	0
chr2	1.65E+08	1.65E+08	723	912	1.65E+08	-0.13908	0.040503	0
chr2	1.66E+08	1.66E+08	700	890	1.66E+08	-0.15049	0.029584	0
chr2	1.66E+08	1.66E+08	681	872	1.66E+08	-0.16071	0.022004	0
chr2	1.67E+08	1.67E+08	610	779	1.67E+08	-0.15685	0.024645	0
chr2	1.67E+08	1.67E+08	712	897	1.67E+08	-0.13727	0.042502	0
chr2	1.67E+08	1.67E+08	772	806	1.67E+08	0.133784	0.045561	0
chr2	1.67E+08	1.67E+08	694	895	1.67E+08	-0.17099	0.016113	0
chr2	1.67E+08	1.67E+08	661	841	1.67E+08	-0.15149	0.028753	0
chr2	1.67E+08	1.68E+08	594	749	1.67E+08	-0.13854	0.041087	0
chr2	1.67E+08	1.68E+08	609	774	1.68E+08	-0.14993	0.030055	0
chr2	1.68E+08	1.68E+08	557	704	1.68E+08	-0.14194	0.037497	0
chr2	1.68E+08	1.68E+08	631	808	1.68E+08	-0.16075	0.021977	0
chr2	1.69E+08	1.69E+08	634	825	1.69E+08	-0.18395	0.010663	0
chr2	1.69E+08	1.69E+08	682	866	1.69E+08	-0.14863	0.03117	0
chr2	1.69E+08	1.69E+08	706	889	1.69E+08	-0.13655	0.043315	0
chr2	1.7E+08	1.7E+08	760	790	1.7E+08	0.14011	0.038418	0
chr2	1.7E+08	1.71E+08	794	817	1.7E+08	0.154766	0.025335	0
chr2	1.72E+08	1.72E+08	885	893	1.72E+08	0.18298	0.010448	0
chr2	1.72E+08	1.72E+08	791	823	1.72E+08	0.138748	0.039873	0
chr2	1.73E+08	1.73E+08	910	941	1.73E+08	0.147635	0.031139	0
chr2	1.73E+08	1.73E+08	873	913	1.73E+08	0.13133	0.048606	0

chr2	1.73E+08	1.73E+08	790	1010	1.73E+08	-0.15847	0.023508	0
chr2	1.74E+08	1.74E+08	822	859	1.74E+08	0.132443	0.047205	0
chr2	1.75E+08	1.75E+08	902	927	1.75E+08	0.156521	0.024055	0
chr2	1.75E+08	1.75E+08	821	1031	1.75E+08	-0.13263	0.048004	0
chr2	1.77E+08	1.78E+08	885	894	1.77E+08	0.181366	0.011024	0
chr2	1.78E+08	1.78E+08	890	916	1.78E+08	0.154421	0.025594	0
chr2	1.78E+08	1.78E+08	1060	1093	1.78E+08	0.151734	0.027682	0
chr2	1.78E+08	1.79E+08	989	1020	1.78E+08	0.151436	0.027921	0
chr2	1.79E+08	1.79E+08	791	815	1.79E+08	0.152841	0.026805	0
chr2	1.79E+08	1.79E+08	927	965	1.79E+08	0.138003	0.040687	0
chr2	1.8E+08	1.8E+08	610	792	1.8E+08	-0.18073	0.01184	0
chr2	1.8E+08	1.8E+08	658	845	1.8E+08	-0.1649	0.019412	0
chr2	1.81E+08	1.81E+08	681	857	1.81E+08	-0.13568	0.044326	0
chr2	1.81E+08	1.81E+08	697	893	1.81E+08	-0.16154	0.02147	0
chr2	1.81E+08	1.81E+08	652	827	1.81E+08	-0.14705	0.032576	0
chr2	1.82E+08	1.82E+08	645	822	1.82E+08	-0.15388	0.02686	0
chr2	1.82E+08	1.82E+08	721	916	1.82E+08	-0.14939	0.030518	0
chr2	1.82E+08	1.82E+08	735	927	1.82E+08	-0.13886	0.040734	0
chr2	1.83E+08	1.83E+08	721	916	1.83E+08	-0.14939	0.030518	0
chr2	1.83E+08	1.83E+08	712	917	1.83E+08	-0.16908	0.01709	0
chr2	1.83E+08	1.84E+08	722	916	1.84E+08	-0.14739	0.032275	0
chr2	1.84E+08	1.84E+08	731	919	1.84E+08	-0.13423	0.046041	0
chr2	1.85E+08	1.85E+08	498	635	1.85E+08	-0.15465	0.02627	0
chr2	1.85E+08	1.85E+08	576	747	1.85E+08	-0.17908	0.012486	0
chr2	1.85E+08	1.85E+08	559	719	1.85E+08	-0.16718	0.018115	0
chr2	1.85E+08	1.86E+08	629	810	1.86E+08	-0.1689	0.017187	0
chr2	1.86E+08	1.86E+08	640	831	1.86E+08	-0.18081	0.011807	0
chr2	1.86E+08	1.86E+08	661	859	1.86E+08	-0.18204	0.011345	0
chr2	1.86E+08	1.86E+08	673	855	1.86E+08	-0.14935	0.030544	0
chr2	1.86E+08	1.86E+08	627	792	1.86E+08	-0.14107	0.038384	0
chr2	1.86E+08	1.86E+08	617	784	1.86E+08	-0.14962	0.030317	0
chr2	1.86E+08	1.86E+08	732	752	1.86E+08	0.157074	0.023663	0
chr2	1.86E+08	1.87E+08	681	694	1.86E+08	0.168682	0.016597	0
chr2	1.87E+08	1.87E+08	674	864	1.87E+08	-0.16232	0.020976	0
chr2	1.87E+08	1.87E+08	699	887	1.87E+08	-0.14768	0.032013	0
chr2	1.87E+08	1.87E+08	581	757	1.87E+08	-0.18579	0.010036	0
chr2	1.87E+08	1.87E+08	559	714	1.87E+08	-0.15711	0.024458	0
chr2	1.87E+08	1.87E+08	616	777	1.87E+08	-0.13902	0.040561	0
chr2	1.87E+08	1.87E+08	707	897	1.87E+08	-0.14743	0.032231	0
chr2	1.87E+08	1.88E+08	934	965	1.88E+08	0.148857	0.030073	0
chr2	1.88E+08	1.88E+08	810	1035	1.88E+08	-0.15767	0.024061	0
chr2	1.88E+08	1.88E+08	678	874	1.88E+08	-0.17038	0.016417	0
chr2	1.88E+08	1.88E+08	750	951	1.88E+08	-0.14659	0.032996	0
chr2	1.88E+08	1.88E+08	739	762	1.88E+08	0.151746	0.027671	0
chr2	1.91E+08	1.91E+08	918	933	1.91E+08	0.17258	0.014672	0
chr2	1.91E+08	1.91E+08	793	824	1.91E+08	0.14064	0.037864	0
chr2	1.91E+08	1.91E+08	689	880	1.91E+08	-0.15704	0.024513	0

chr2	1.92E+08	1.92E+08	942	978	1.92E+08	0.141856	0.036616	0
chr2	1.92E+08	1.92E+08	995	1018	1.92E+08	0.162994	0.019794	0
chr2	1.93E+08	1.93E+08	607	767	1.93E+08	-0.14157	0.037873	0
chr2	1.93E+08	1.93E+08	673	857	1.93E+08	-0.15273	0.02776	0
chr2	1.93E+08	1.94E+08	641	835	1.94E+08	-0.18549	0.010137	0
chr2	1.94E+08	1.94E+08	686	871	1.94E+08	-0.1485	0.031285	0
chr2	1.94E+08	1.94E+08	691	872	1.94E+08	-0.13968	0.039852	0
chr2	1.94E+08	1.94E+08	667	850	1.94E+08	-0.15381	0.026909	0
chr2	1.94E+08	1.94E+08	667	857	1.94E+08	-0.16565	0.01898	0
chr2	1.94E+08	1.94E+08	673	876	1.94E+08	-0.18436	0.01052	0
chr2	1.94E+08	1.94E+08	643	820	1.94E+08	-0.15484	0.026123	0
chr2	1.94E+08	1.95E+08	602	762	1.95E+08	-0.14406	0.03538	0
chr2	1.95E+08	1.95E+08	620	781	1.95E+08	-0.13709	0.042701	0
chr2	1.95E+08	1.95E+08	632	808	1.95E+08	-0.15847	0.023508	0
chr2	1.95E+08	1.95E+08	706	912	1.95E+08	-0.1734	0.014946	0
chr2	1.96E+08	1.96E+08	610	779	1.96E+08	-0.15685	0.024645	0
chr2	1.97E+08	1.98E+08	963	986	1.98E+08	0.161911	0.020459	0
chr2	1.98E+08	1.98E+08	767	976	1.98E+08	-0.15169	0.028591	0
chr2	1.98E+08	1.98E+08	836	861	1.98E+08	0.153453	0.02633	0
chr2	1.98E+08	1.98E+08	749	783	1.98E+08	0.131916	0.047863	0
chr2	1.99E+08	1.99E+08	713	897	1.99E+08	-0.13524	0.044836	0
chr2	1.99E+08	1.99E+08	666	836	1.99E+08	-0.13202	0.048767	0
chr2	2E+08	2E+08	636	809	2E+08	-0.15115	0.029034	0
chr2	2.02E+08	2.02E+08	922	950	2.02E+08	0.152802	0.026835	0
chr2	2.02E+08	2.02E+08	914	934	2.02E+08	0.164735	0.018764	0
chr2	2.02E+08	2.02E+08	669	852	2.02E+08	-0.15288	0.027635	0
chr2	2.02E+08	2.02E+08	887	925	2.02E+08	0.135444	0.043591	0
chr2	2.02E+08	2.03E+08	617	782	2.02E+08	-0.14594	0.033602	0
chr2	2.03E+08	2.03E+08	818	835	2.03E+08	0.166288	0.017885	0
chr2	2.03E+08	2.03E+08	839	865	2.03E+08	0.151934	0.027521	0
chr2	2.04E+08	2.04E+08	888	924	2.04E+08	0.13863	0.040001	0
chr2	2.05E+08	2.05E+08	695	881	2.05E+08	-0.14617	0.033388	0
chr2	2.06E+08	2.06E+08	612	781	2.06E+08	-0.15583	0.025389	0
chr2	2.06E+08	2.06E+08	724	917	2.06E+08	-0.14497	0.034511	0
chr2	2.06E+08	2.06E+08	722	916	2.06E+08	-0.14739	0.032275	0
chr2	2.08E+08	2.09E+08	917	956	2.08E+08	0.135874	0.043091	0
chr2	2.09E+08	2.09E+08	764	972	2.09E+08	-0.15142	0.028812	0
chr2	2.09E+08	2.09E+08	801	1012	2.09E+08	-0.14137	0.038073	0
chr2	2.09E+08	2.09E+08	739	956	2.09E+08	-0.17547	0.014003	0
chr2	2.1E+08	2.1E+08	622	636	2.10E+08	0.163851	0.019281	0
chr2	2.1E+08	2.1E+08	592	750	2.1E+08	-0.14533	0.034169	0
chr2	2.1E+08	2.1E+08	557	699	2.1E+08	-0.13165	0.04923	0
chr2	2.1E+08	2.1E+08	607	778	2.1E+08	-0.16211	0.021107	0
chr2	2.11E+08	2.11E+08	882	906	2.11E+08	0.157231	0.023553	0
chr2	2.11E+08	2.12E+08	992	1006	2.11E+08	0.175745	0.013253	0
chr2	2.12E+08	2.12E+08	777	975	2.12E+08	-0.13152	0.049392	0
chr2	2.12E+08	2.12E+08	684	884	2.12E+08	-0.17409	0.014628	0



chr2	2.12E+08	2.12E+08	663	841	2.12E+08	-0.14713	0.032503	0
chr2	2.12E+08	2.12E+08	674	848	2.12E+08	-0.13535	0.044707	0
chr2	2.13E+08	2.13E+08	622	807	2.13E+08	-0.17969	0.012242	0
chr2	2.13E+08	2.13E+08	627	806	2.13E+08	-0.16635	0.018578	0
chr2	2.13E+08	2.13E+08	645	824	2.13E+08	-0.15738	0.024267	0
chr2	2.13E+08	2.13E+08	644	822	2.13E+08	-0.15611	0.025179	0
chr2	2.13E+08	2.13E+08	695	876	2.13E+08	-0.13795	0.041732	0
chr2	2.13E+08	2.13E+08	713	925	2.13E+08	-0.17959	0.012282	0
chr2	2.14E+08	2.14E+08	690	890	2.14E+08	-0.17125	0.015985	0
chr2	2.14E+08	2.14E+08	714	903	2.14E+08	-0.14284	0.036586	0
chr2	2.14E+08	2.14E+08	586	762	2.14E+08	-0.18293	0.011024	0
chr2	2.14E+08	2.14E+08	625	813	2.14E+08	-0.18344	0.010843	0
chr2	2.14E+08	2.15E+08	642	806	2.14E+08	-0.13224	0.048483	0
chr2	2.14E+08	2.15E+08	633	821	2.15E+08	-0.17921	0.012431	0
chr2	2.15E+08	2.15E+08	613	786	2.15E+08	-0.16268	0.020752	0
chr2	2.15E+08	2.15E+08	710	905	2.15E+08	-0.15414	0.02666	0
chr2	2.15E+08	2.16E+08	660	853	2.15E+08	-0.17412	0.014615	0
chr2	2.16E+08	2.16E+08	547	704	2.16E+08	-0.16807	0.017628	0
chr2	2.16E+08	2.17E+08	719	932	2.16E+08	-0.17838	0.012769	0
chr2	2.16E+08	2.17E+08	722	933	2.17E+08	-0.17392	0.014708	0
chr2	2.17E+08	2.17E+08	710	899	2.17E+08	-0.14454	0.034922	0
chr2	2.18E+08	2.18E+08	766	964	2.18E+08	-0.13573	0.04427	0
chr2	2.18E+08	2.18E+08	889	918	2.18E+08	0.149652	0.029395	0
chr2	2.19E+08	2.19E+08	1243	1298	2.19E+08	0.133499	0.045907	0
chr2	2.19E+08	2.19E+08	1224	1249	2.19E+08	0.166793	0.017606	0
chr2	2.19E+08	2.19E+08	907	925	2.19E+08	0.167612	0.017162	0
chr2	2.2E+08	2.2E+08	1006	1046	2.2E+08	0.13971	0.03884	0
chr2	2.2E+08	2.2E+08	1032	1059	2.2E+08	0.158703	0.022539	0
chr2	2.2E+08	2.2E+08	1150	1178	2.2E+08	0.161257	0.020869	0
chr2	2.2E+08	2.2E+08	751	769	2.2E+08	0.161792	0.020533	0
chr2	2.2E+08	2.2E+08	696	728	2.2E+08	0.131112	0.048884	0
chr2	2.2E+08	2.2E+08	819	836	2.2E+08	0.166324	0.017865	0
chr2	2.21E+08	2.21E+08	695	710	2.21E+08	0.165157	0.018522	0
chr2	2.21E+08	2.21E+08	568	590	2.21E+08	0.141139	0.037347	0
chr2	2.21E+08	2.21E+08	451	587	2.21E+08	-0.18427	0.010551	0
chr2	2.21E+08	2.21E+08	471	601	2.21E+08	-0.15567	0.025502	0
chr2	2.21E+08	2.22E+08	470	591	2.22E+08	-0.13453	0.045677	0
chr2	2.22E+08	2.22E+08	438	550	2.22E+08	-0.13254	0.048115	0
chr2	2.22E+08	2.22E+08	458	585	2.22E+08	-0.15713	0.024449	0
chr2	2.22E+08	2.22E+08	452	575	2.22E+08	-0.15128	0.02893	0
chr2	2.23E+08	2.23E+08	447	577	2.23E+08	-0.17233	0.015454	0
chr2	2.24E+08	2.24E+08	605	616	2.24E+08	0.169968	0.015939	0
chr2	2.24E+08	2.24E+08	638	662	2.24E+08	0.142688	0.035781	0
chr2	2.24E+08	2.24E+08	537	693	2.24E+08	-0.17197	0.015629	0
chr2	2.24E+08	2.24E+08	442	561	2.24E+08	-0.14799	0.031734	0
chr2	2.25E+08	2.25E+08	534	545	2.25E+08	0.166547	0.017741	0
chr2	2.25E+08	2.25E+08	579	600	2.25E+08	0.144564	0.033958	0

chr2	2.27E+08	2.27E+08	480	604	2.27E+08	-0.13555	0.044474	0
chr2	2.27E+08	2.27E+08	450	581	2.27E+08	-0.17265	0.015302	0
chr2	2.28E+08	2.28E+08	591	608	2.28E+08	0.15505	0.025124	0
chr2	2.3E+08	2.3E+08	453	582	2.3E+08	-0.16555	0.019037	0
chr2	2.3E+08	2.3E+08	484	615	2.3E+08	-0.14962	0.03032	0
chr2	2.3E+08	2.3E+08	527	673	2.30E+08	-0.15684	0.024653	0
chr2	2.31E+08	2.31E+08	637	664	2.31E+08	0.136073	0.042862	0
chr2	2.31E+08	2.31E+08	534	542	2.31E+08	0.17451	0.013792	0
chr2	2.31E+08	2.31E+08	473	494	2.31E+08	0.133292	0.046159	0
chr2	2.31E+08	2.31E+08	456	577	2.31E+08	-0.14357	0.035858	0
chr2	2.32E+08	2.32E+08	634	650	2.32E+08	0.160006	0.021674	0
chr2	2.32E+08	2.32E+08	639	659	2.32E+08	0.151501	0.027869	0
chr2	2.32E+08	2.32E+08	660	683	2.32E+08	0.146543	0.032118	0
chr2	2.32E+08	2.32E+08	637	664	2.32E+08	0.136073	0.042862	0
chr2	2.33E+08	2.33E+08	635	659	2.33E+08	0.142441	0.036027	0
chr2	2.33E+08	2.33E+08	529	666	2.33E+08	-0.13629	0.043615	0
chr2	2.33E+08	2.34E+08	708	729	2.33E+08	0.153794	0.026069	0
chr2	2.34E+08	2.34E+08	620	647	2.34E+08	0.134466	0.044743	0
chr2	2.34E+08	2.34E+08	647	672	2.34E+08	0.141268	0.037215	0
chr2	2.34E+08	2.34E+08	751	781	2.34E+08	0.139453	0.039114	0
chr2	2.35E+08	2.35E+08	652	680	2.35E+08	0.1353	0.043758	0
chr2	2.36E+08	2.36E+08	734	747	2.36E+08	0.170635	0.015607	0
chr2	2.36E+08	2.37E+08	670	688	2.37E+08	0.157716	0.023215	0
chr2	2.37E+08	2.37E+08	703	717	2.37E+08	0.167515	0.017215	0
chr2	2.37E+08	2.37E+08	542	684	2.37E+08	-0.13974	0.039786	0
chr2	2.38E+08	2.38E+08	618	645	2.38E+08	0.134271	0.044976	0
chr2	2.38E+08	2.38E+08	658	676	2.38E+08	0.157027	0.023696	0
chr2	2.38E+08	2.38E+08	669	691	2.38E+08	0.149284	0.029708	0
chr2	2.38E+08	2.38E+08	678	709	2.38E+08	0.131463	0.048437	0
chr2	2.38E+08	2.38E+08	681	708	2.38E+08	0.139868	0.038672	0
chr2	2.39E+08	2.39E+08	616	636	2.39E+08	0.149867	0.029215	0
chr2	2.39E+08	2.39E+08	639	654	2.39E+08	0.162488	0.020102	0
chr2	2.39E+08	2.39E+08	727	736	2.39E+08	0.178213	0.01223	0
chr2	2.39E+08	2.39E+08	720	740	2.39E+08	0.156435	0.024117	0
chr2	2.39E+08	2.4E+08	667	696	2.4E+08	0.134562	0.044628	0
chr2	2.4E+08	2.4E+08	655	668	2.4E+08	0.16761	0.017164	0
chr2	2.4E+08	2.4E+08	716	729	2.4E+08	0.170004	0.015921	0
chr2	2.4E+08	2.4E+08	704	727	2.4E+08	0.149583	0.029454	0
chr2	2.4E+08	2.4E+08	761	782	2.4E+08	0.156691	0.023934	0
chr2	2.41E+08	2.41E+08	696	719	2.41E+08	0.149059	0.0299	0
chr2	2.41E+08	2.41E+08	711	717	2.41E+08	0.183839	0.010152	0
chr2	2.41E+08	2.41E+08	760	774	2.41E+08	0.169629	0.016111	0
chr2	2.41E+08	2.41E+08	727	751	2.41E+08	0.149105	0.02986	0
chr2	2.41E+08	2.41E+08	772	784	2.41E+08	0.17371	0.014151	0
chr2	2.41E+08	2.41E+08	768	799	2.41E+08	0.138874	0.039737	0
chr2	2.41E+08	2.41E+08	727	759	2.41E+08	0.133819	0.045519	0
chr2	2.41E+08	2.41E+08	801	828	2.41E+08	0.148135	0.0307	0

chr2	2.41E+08	2.42E+08	663	684	2.41E+08	0.150976	0.028296	0
chr2	2.42E+08	2.42E+08	766	792	2.42E+08	0.147807	0.030987	0
chr2	2.42E+08	2.42E+08	555	569	2.42E+08	0.160022	0.021663	0
chr2	2.42E+08	2.42E+08	694	722	2.42E+08	0.1389	0.039708	0
chr2	2.43E+08	2.43E+08	706	724	2.43E+08	0.159642	0.021913	0
chr2	2.43E+08	2.43E+08	742	760	2.43E+08	0.161383	0.02079	0
chr20	250001	350000	1102	1077	3.00E+05	0.229069	0.00193	0
chr20	300001	400000	1127	1049	350000	0.299436	8.19E-05	0
chr20	350001	450000	1090	1054	4.00E+05	0.244416	0.001029	0
chr20	600001	700000	1185	1193	650000	0.186256	0.009359	0
chr20	750001	850000	920	901	8.00E+05	0.22607	0.002175	0
chr20	3000001	3100000	973	978	3050000	0.188568	0.008651	0
chr20	3150001	3250000	1027	1023	3200000	0.201593	0.005478	0
chr20	3650001	3750000	1213	1212	3700000	0.197153	0.006419	0
chr20	3700001	3800000	1161	1089	3750000	0.288327	0.000141	0
chr20	3750001	3850000	988	945	3800000	0.26016	0.000521	0
chr20	7500001	7600000	611	867	7550000	-0.3089	6.36E-05	0
chr20	7550001	7650000	627	870	7600000	-0.27659	0.000291	0
chr20	12900001	13000000	703	956	12950000	-0.24752	0.001018	0
chr20	12950001	13050000	755	1010	1.30E+07	-0.22384	0.0026	0
chr20	13000001	13100000	750	1010	13050000	-0.23343	0.001795	0
chr20	14050001	14150000	580	764	14100000	-0.20156	0.005871	0
chr20	14100001	14200000	552	771	14150000	-0.2861	0.000189	0
chr20	14700001	14800000	556	736	14750000	-0.20866	0.004561	0
chr20	15150001	15250000	606	791	15200000	-0.1884	0.009206	0
chr20	15200001	15300000	590	832	15250000	-0.29991	9.85E-05	0
chr20	15400001	15500000	658	877	15450000	-0.21853	0.003176	0
chr20	15600001	15700000	607	811	15650000	-0.22204	0.002784	0
chr20	16800001	16900000	590	782	16850000	-0.21049	0.004269	0
chr20	18400001	18500000	880	885	18450000	0.187789	0.008884	0
chr20	19950001	20050000	904	895	2.00E+07	0.210398	0.003968	0
chr20	20200001	20300000	713	952	20250000	-0.2211	0.002885	0
chr20	20250001	20350000	662	907	20300000	-0.25831	0.000648	0
chr20	20350001	20450000	766	1063	20400000	-0.27676	0.000289	0
chr20	21050001	21150000	974	977	21100000	0.191526	0.007815	0
chr20	21700001	21800000	660	860	21750000	-0.18591	0.009998	0
chr20	25800001	25900000	167	225	25850000	-0.23411	0.001747	0
chr20	25850001	25950000	170	243	25900000	-0.31946	3.76E-05	0
chr20	26000001	26100000	78	58	26050000	0.623384	8.02E-15	0
chr20	26050001	26150000	242	229	26100000	0.275622	0.000258	0
chr20	29350001	29450000	59	82	29400000	-0.27895	0.000262	0
chr20	29550001	29650000	578	773	29600000	-0.22344	0.00264	0
chr20	29600001	29700000	552	754	29650000	-0.25393	0.00078	0
chr20	29650001	29750000	133	178	29700000	-0.22449	0.002537	0
chr20	30100001	30200000	950	901	30150000	0.272363	0.0003	0
chr20	30150001	30250000	845	843	30200000	0.199382	0.00593	0
chr20	30300001	30400000	975	887	30350000	0.332431	1.46E-05	0

chr20	30350001	30450000	1169	1084	30400000	0.304873	6.23E-05	0
chr20	30400001	30500000	1180	1173	30450000	0.204547	0.004922	0
chr20	30550001	30650000	1086	1075	30600000	0.21065	0.00393	0
chr20	30950001	31050000	998	969	3.10E+07	0.238506	0.001316	0
chr20	31000001	31100000	1168	1100	31050000	0.2825	0.000187	0
chr20	32000001	32100000	809	810	32050000	0.194181	0.007126	0
chr20	32300001	32400000	913	911	32350000	0.199127	0.005984	0
chr20	32650001	32750000	918	884	32700000	0.250411	0.000797	0
chr20	33200001	33300000	860	854	33250000	0.206064	0.004657	0
chr20	33250001	33350000	974	938	33300000	0.250297	0.000801	0
chr20	33400001	33500000	958	961	33450000	0.191452	0.007835	0
chr20	33800001	33900000	1116	1096	33850000	0.222052	0.002545	0
chr20	34100001	34200000	991	994	34150000	0.191602	0.007794	0
chr20	34150001	34250000	1035	961	34200000	0.302985	6.86E-05	0
chr20	34200001	34300000	1028	933	34250000	0.335854	1.21E-05	0
chr20	34250001	34350000	939	844	34300000	0.349845	5.55E-06	0
chr20	34300001	34400000	871	776	34350000	0.362579	2.66E-06	0
chr20	34350001	34450000	901	843	34400000	0.291958	0.000118	0
chr20	34400001	34500000	939	892	34450000	0.270044	0.000334	0
chr20	36650001	36750000	1134	1120	36700000	0.213885	0.003481	0
chr20	37050001	37150000	989	971	37100000	0.222462	0.002505	0
chr20	37350001	37450000	956	963	37400000	0.185438	0.009621	0
chr20	38100001	38200000	644	849	38150000	-0.20274	0.005631	0
chr20	38900001	39000000	784	1023	38950000	-0.18792	0.009354	0
chr20	39450001	39550000	850	1138	39500000	-0.225	0.002487	0
chr20	41200001	41300000	648	847	41250000	-0.19041	0.008608	0
chr20	41300001	41400000	705	944	41350000	-0.2252	0.002469	0
chr20	41350001	41450000	679	933	41400000	-0.2625	0.000541	0
chr20	41400001	41500000	642	841	41450000	-0.19357	0.007735	0
chr20	43100001	43200000	991	973	43150000	0.222408	0.00251	0
chr20	43300001	43400000	1121	1108	43350000	0.212791	0.003628	0
chr20	44350001	44450000	856	847	44400000	0.211212	0.003849	0
chr20	44400001	44500000	1020	939	44450000	0.315335	3.64E-05	0
chr20	44450001	44550000	1033	943	44500000	0.327474	1.91E-05	0
chr20	44500001	44600000	1085	1015	44550000	0.292178	0.000117	0
chr20	44900001	45000000	1189	1190	44950000	0.19475	0.006985	0
chr20	44950001	45050000	1059	1063	4.50E+07	0.190524	0.00809	0
chr20	45950001	46050000	915	880	4.60E+07	0.252231	0.000737	0
chr20	46000001	46100000	805	807	46050000	0.192383	0.007586	0
chr20	47400001	47500000	1094	1071	47450000	0.226617	0.002128	0
chr20	47450001	47550000	981	969	47500000	0.21372	0.003503	0
chr20	47750001	47850000	861	829	47800000	0.250604	0.000791	0
chr20	47800001	47900000	916	893	47850000	0.23265	0.001672	0
chr20	48250001	48350000	1038	1021	48300000	0.219787	0.002779	0
chr20	48300001	48400000	953	952	48350000	0.197478	0.006345	0
chr20	48550001	48650000	986	994	48600000	0.184305	0.009995	0
chr20	48700001	48800000	1098	1014	48750000	0.310783	4.61E-05	0

chr20	48750001	48850000	1132	1057	48800000	0.294862	0.000103	0
chr20	48900001	49000000	1185	1127	48950000	0.268363	0.000361	0
chr20	48950001	49050000	998	969	4.90E+07	0.238506	0.001316	0
chr20	49050001	49150000	983	985	49100000	0.193031	0.007417	0
chr20	49100001	49200000	1122	1065	49150000	0.271182	0.000317	0
chr20	49150001	49250000	1106	1080	49200000	0.230283	0.001839	0
chr20	49300001	49400000	910	882	49350000	0.241051	0.001185	0
chr20	49550001	49650000	1052	1060	49600000	0.185033	0.009753	0
chr20	53500001	53600000	576	776	53550000	-0.23402	0.001753	0
chr20	54500001	54600000	657	889	54550000	-0.24033	0.001364	0
chr20	57550001	57650000	1078	1040	57600000	0.247737	0.000894	0
chr20	60700001	60800000	1180	1184	60750000	0.191081	0.007936	0
chr20	60800001	60900000	1243	1218	60850000	0.225275	0.002244	0
chr20	60850001	60950000	1297	1219	60900000	0.285443	0.000162	0
chr20	60900001	61000000	1368	1260	60950000	0.314608	3.78E-05	0
chr20	60950001	61050000	1381	1311	6.10E+07	0.271009	0.000319	0
chr20	61150001	61250000	819	820	61200000	0.194203	0.00712	0
chr20	61200001	61300000	687	672	61250000	0.227812	0.00203	0
chr20	61250001	61350000	1195	1160	61300000	0.238849	0.001298	0
chr20	61400001	61500000	1164	1145	61450000	0.219706	0.002788	0
chr20	61450001	61550000	1154	1130	61500000	0.226283	0.002156	0
chr20	61500001	61600000	1220	1204	61550000	0.215009	0.003336	0
chr20	61550001	61650000	1231	1214	61600000	0.216025	0.00321	0
chr20	61600001	61700000	1243	1232	61650000	0.208787	0.004212	0
chr20	61800001	61900000	1237	1233	61850000	0.200636	0.00567	0
chr20	61850001	61950000	1259	1238	61900000	0.22023	0.002732	0
chr20	62050001	62150000	1307	1219	62100000	0.296524	9.47E-05	0
chr20	62100001	62200000	1261	1211	62150000	0.254332	0.000673	0
chr20	62250001	62350000	1146	1046	62300000	0.327687	1.89E-05	0
chr20	62300001	62400000	1238	1082	62350000	0.390274	4.98E-07	0
chr20	62350001	62450000	1077	1008	62400000	0.291486	0.000121	0
chr20	62400001	62500000	1022	1023	62450000	0.194552	0.007034	0
chr20	62450001	62550000	1049	979	62500000	0.295597	9.91E-05	0
chr20	62500001	62600000	1082	995	62550000	0.316895	3.36E-05	0
chr20	62550001	62650000	1039	986	62600000	0.271499	0.000312	0
chr20	62600001	62700000	1083	1071	62650000	0.212038	0.003732	0
chr20	62650001	62750000	1294	1237	62700000	0.260955	0.000503	0
chr20	62700001	62800000	1202	1153	62750000	0.256007	0.000626	0
chr20	62950001	63050000	9	13	6.30E+07	-0.33455	1.73E-05	0
chr20	400001	500000	1016	1041	450000	0.160893	0.0211	0
chr20	800001	900000	1049	1084	850000	0.148613	0.030283	0
chr20	1250001	1350000	1054	1096	1300000	0.13959	0.038968	0
chr20	1550001	1650000	486	617	1600000	-0.14835	0.031417	0
chr20	2400001	2500000	898	934	2450000	0.139256	0.039325	0
chr20	2450001	2550000	949	973	2500000	0.159931	0.021723	0
chr20	2950001	3050000	928	964	3.00E+06	0.141055	0.037434	0
chr20	3100001	3200000	944	972	3150000	0.153794	0.026069	0

chr20	3600001	3700000	1132	1183	3650000	0.132387	0.047275	0
chr20	4700001	4800000	966	998	4750000	0.148946	0.029996	0
chr20	5050001	5150000	898	912	5100000	0.173645	0.01418	0
chr20	5450001	5550000	835	860	5500000	0.153403	0.026369	0
chr20	5500001	5600000	912	937	5550000	0.156948	0.023752	0
chr20	5550001	5650000	902	917	5600000	0.172169	0.014865	0
chr20	5600001	5700000	849	874	5650000	0.154094	0.02584	0
chr20	6300001	6400000	680	863	6350000	-0.14786	0.031849	0
chr20	6350001	6450000	726	937	6400000	-0.17212	0.015558	0
chr20	7000001	7100000	713	897	7050000	-0.13524	0.044836	0
chr20	7150001	7250000	710	892	7200000	-0.13326	0.047219	0
chr20	7250001	7350000	693	892	7300000	-0.16823	0.017545	0
chr20	7300001	7400000	670	868	7350000	-0.17757	0.013102	0
chr20	7450001	7550000	675	865	7500000	-0.16185	0.021272	0
chr20	7900001	8000000	724	935	7950000	-0.17301	0.015129	0
chr20	7950001	8050000	806	1033	8.00E+06	-0.16203	0.02116	0
chr20	8150001	8250000	699	878	8200000	-0.13297	0.047584	0
chr20	8300001	8400000	676	852	8350000	-0.13787	0.04183	0
chr20	8600001	8700000	759	972	8650000	-0.16089	0.021885	0
chr20	9200001	9300000	829	1069	9250000	-0.17085	0.01618	0
chr20	9850001	9950000	733	944	9900000	-0.16901	0.017128	0
chr20	10100001	10200000	799	1004	10150000	-0.13353	0.046892	0
chr20	10700001	10800000	761	981	10750000	-0.17039	0.016413	0
chr20	12100001	12200000	830	863	12150000	0.139714	0.038836	0
chr20	12600001	12700000	659	831	12650000	-0.13861	0.041013	0
chr20	12650001	12750000	687	881	12700000	-0.16287	0.020634	0
chr20	13050001	13150000	776	1009	13100000	-0.18283	0.011058	0
chr20	13100001	13200000	799	1024	13150000	-0.16199	0.021186	0
chr20	13150001	13250000	796	1030	13200000	-0.17584	0.013841	0
chr20	14550001	14650000	629	804	14600000	-0.15817	0.023712	0
chr20	14600001	14700000	623	794	14650000	-0.15394	0.026808	0
chr20	14650001	14750000	599	767	14700000	-0.16071	0.022006	0
chr20	14800001	14900000	605	761	14850000	-0.135	0.045125	0
chr20	15250001	15350000	596	773	15300000	-0.17919	0.012439	0
chr20	15350001	15450000	634	806	15400000	-0.15033	0.029712	0
chr20	15750001	15850000	644	835	15800000	-0.17875	0.012616	0
chr20	15900001	16000000	614	784	15950000	-0.15665	0.024789	0
chr20	16050001	16150000	667	865	16100000	-0.17905	0.012496	0
chr20	16100001	16200000	693	885	16150000	-0.15686	0.02464	0
chr20	17100001	17200000	726	938	17150000	-0.17366	0.014828	0
chr20	17500001	17600000	966	986	17550000	0.166399	0.017823	0
chr20	17750001	17850000	939	1192	17800000	-0.14822	0.031528	0
chr20	18450001	18550000	873	881	18500000	0.182803	0.01051	0
chr20	19250001	19350000	701	894	19300000	-0.1549	0.026082	0
chr20	19350001	19450000	748	952	19400000	-0.15196	0.028373	0
chr20	19450001	19550000	800	1005	19500000	-0.13316	0.047344	0
chr20	19500001	19600000	792	1003	19550000	-0.14479	0.034685	0

chr20	20100001	20200000	707	891	20150000	-0.13775	0.041958	0
chr20	20150001	20250000	746	970	20200000	-0.18285	0.011054	0
chr20	20400001	20500000	765	971	20450000	-0.14805	0.031684	0
chr20	21100001	21200000	924	936	21150000	0.177347	0.012581	0
chr20	21750001	21850000	684	872	21800000	-0.15437	0.026482	0
chr20	23100001	23200000	1046	1089	23150000	0.137842	0.040866	0
chr20	23450001	23550000	753	950	23500000	-0.13931	0.040244	0
chr20	23550001	23650000	774	800	23600000	0.148297	0.030558	0
chr20	23700001	23800000	347	436	23750000	-0.13343	0.047014	0
chr20	24650001	24750000	801	1037	24700000	-0.17658	0.013522	0
chr20	25150001	25250000	859	891	25200000	0.143196	0.03528	0
chr20	25350001	25450000	854	870	25400000	0.169184	0.016338	0
chr20	26150001	26250000	489	635	26200000	-0.18096	0.011752	0
chr20	26200001	26300000	361	458	26250000	-0.14739	0.032275	0
chr20	26300001	26400000	193	197	26350000	0.166368	0.01784	0
chr20	30050001	30150000	928	950	30100000	0.16216	0.020304	0
chr20	30250001	30350000	970	1009	30300000	0.139094	0.0395	0
chr20	30500001	30600000	1078	1128	30550000	0.130553	0.049602	0
chr20	30600001	30700000	1007	1043	30650000	0.145288	0.033276	0
chr20	30900001	31000000	890	927	30950000	0.137199	0.041582	0
chr20	31050001	31150000	1170	1187	31100000	0.175152	0.013509	0
chr20	31950001	32050000	824	849	3.20E+07	0.152843	0.026803	0
chr20	32100001	32200000	833	857	32150000	0.154984	0.025173	0
chr20	32150001	32250000	926	954	32200000	0.152986	0.026691	0
chr20	32250001	32350000	966	993	32300000	0.156193	0.02429	0
chr20	32350001	32450000	1005	1036	32400000	0.152135	0.027361	0
chr20	32600001	32700000	1093	1106	32650000	0.178905	0.011956	0
chr20	32700001	32800000	777	795	32750000	0.162923	0.019837	0
chr20	32850001	32950000	918	955	32900000	0.138956	0.039647	0
chr20	33000001	33100000	890	906	33050000	0.170257	0.015794	0
chr20	33050001	33150000	958	980	33100000	0.163207	0.019666	0
chr20	33150001	33250000	841	875	33200000	0.138786	0.039832	0
chr20	33300001	33400000	925	933	33350000	0.183539	0.010255	0
chr20	33350001	33450000	916	930	33400000	0.17408	0.013984	0
chr20	33650001	33750000	811	837	33700000	0.150437	0.028739	0
chr20	33750001	33850000	892	906	33800000	0.173496	0.014248	0
chr20	33850001	33950000	1068	1101	33900000	0.15206	0.027421	0
chr20	33900001	34000000	935	967	33950000	0.147414	0.031336	0
chr20	34050001	34150000	1028	1067	34100000	0.142243	0.036226	0
chr20	34450001	34550000	924	935	34500000	0.17889	0.011962	0
chr20	34850001	34950000	663	690	34900000	0.138376	0.040279	0
chr20	35150001	35250000	955	966	35200000	0.179441	0.011748	0
chr20	35400001	35500000	1028	1045	35450000	0.1723	0.014803	0
chr20	35450001	35550000	972	981	35500000	0.182666	0.010558	0
chr20	35550001	35650000	682	713	35600000	0.131833	0.047969	0
chr20	35600001	35700000	668	689	35650000	0.151307	0.028026	0
chr20	36000001	36100000	1168	1219	36050000	0.134305	0.044935	0

chr20	36700001	36800000	1173	1194	36750000	0.170363	0.015742	0
chr20	37000001	37100000	935	955	37050000	0.165429	0.018367	0
chr20	37500001	37600000	1014	1042	37550000	0.156665	0.023952	0
chr20	38050001	38150000	673	869	38100000	-0.17279	0.015237	0
chr20	38250001	38350000	711	904	38300000	-0.15051	0.029565	0
chr20	38300001	38400000	637	830	38350000	-0.18585	0.010016	0
chr20	38450001	38550000	725	925	38500000	-0.15551	0.025624	0
chr20	38500001	38600000	671	865	38550000	-0.17042	0.016397	0
chr20	38550001	38650000	653	820	38600000	-0.13258	0.048065	0
chr20	38850001	38950000	790	1005	38900000	-0.15131	0.028904	0
chr20	41250001	41350000	693	895	41300000	-0.17307	0.015102	0
chr20	41700001	41800000	723	916	41750000	-0.14539	0.034113	0
chr20	42000001	42100000	840	872	42050000	0.142024	0.036446	0
chr20	42050001	42150000	871	901	42100000	0.147109	0.031608	0
chr20	43050001	43150000	1038	1053	43100000	0.175264	0.01346	0
chr20	43200001	43300000	1075	1123	43250000	0.132942	0.046588	0
chr20	43250001	43350000	1040	1057	43300000	0.172571	0.014676	0
chr20	43350001	43450000	1224	1252	43400000	0.163332	0.019591	0
chr20	43500001	43600000	1025	1041	43550000	0.173617	0.014193	0
chr20	43550001	43650000	1017	1061	43600000	0.134858	0.044278	0
chr20	44000001	44100000	1055	1082	44050000	0.159506	0.022003	0
chr20	44550001	44650000	1054	1077	44600000	0.16482	0.018715	0
chr20	44600001	44700000	1146	1178	44650000	0.156231	0.024263	0
chr20	47700001	47800000	876	895	47750000	0.165006	0.018608	0
chr20	47850001	47950000	972	990	47900000	0.169491	0.016181	0
chr20	48500001	48600000	955	983	48550000	0.154272	0.025705	0
chr20	48600001	48700000	1000	1035	48650000	0.146332	0.032311	0
chr20	48650001	48750000	1053	1065	48700000	0.179615	0.011681	0
chr20	48850001	48950000	1238	1260	48900000	0.170551	0.015649	0
chr20	49200001	49300000	965	993	49250000	0.154698	0.025386	0
chr20	49250001	49350000	921	941	49300000	0.164969	0.018629	0
chr20	49600001	49700000	1002	1039	49650000	0.14365	0.034837	0
chr20	50000001	50100000	1053	1070	50050000	0.172858	0.014542	0
chr20	50050001	50150000	1032	1052	50100000	0.168271	0.016812	0
chr20	50500001	50600000	724	749	50550000	0.146987	0.031717	0
chr20	50700001	50800000	747	950	50750000	-0.15086	0.029277	0
chr20	50800001	50900000	841	860	50850000	0.163732	0.019352	0
chr20	51350001	51450000	720	930	51400000	-0.17327	0.015008	0
chr20	52200001	52300000	651	675	52250000	0.143733	0.034756	0
chr20	52550001	52650000	800	1012	52600000	-0.14317	0.036252	0
chr20	52850001	52950000	719	933	52900000	-0.17992	0.012151	0
chr20	53350001	53450000	690	713	53400000	0.148657	0.030245	0
chr20	53550001	53650000	614	800	53600000	-0.1858	0.010034	0
chr20	53600001	53700000	592	748	53650000	-0.14148	0.037964	0
chr20	53950001	54050000	653	822	5.40E+07	-0.13609	0.043844	0
chr20	54000001	54100000	684	868	54050000	-0.14774	0.031962	0
chr20	54250001	54350000	647	833	54300000	-0.16859	0.017351	0



chr20	54350001	54450000	571	739	54400000	-0.17612	0.013719	0
chr20	54400001	54500000	551	707	54450000	-0.16369	0.02013	0
chr20	54550001	54650000	665	856	54600000	-0.16829	0.017509	0
chr20	55200001	55300000	825	863	55250000	0.130997	0.049031	0
chr20	55300001	55400000	934	972	55350000	0.138429	0.04022	0
chr20	55550001	55650000	1008	1027	55600000	0.169022	0.016421	0
chr20	55600001	55700000	1036	1084	55650000	0.130622	0.049513	0
chr20	55700001	55800000	1087	1112	55750000	0.163158	0.019695	0
chr20	55750001	55850000	1084	1126	55800000	0.141121	0.037366	0
chr20	55900001	56000000	1072	1116	55950000	0.137931	0.040767	0
chr20	56100001	56200000	1059	1092	56150000	0.151693	0.027715	0
chr20	56900001	57000000	936	973	56950000	0.140032	0.0385	0
chr20	57350001	57450000	1080	1102	57400000	0.16687	0.017564	0
chr20	57400001	57500000	1085	1103	57450000	0.172225	0.014838	0
chr20	57450001	57550000	946	989	57500000	0.131833	0.047969	0
chr20	57500001	57600000	964	983	57550000	0.167805	0.017059	0
chr20	57600001	57700000	972	1009	57650000	0.142065	0.036405	0
chr20	59200001	59300000	695	874	59250000	-0.13466	0.04553	0
chr20	60300001	60400000	1076	1118	60350000	0.140721	0.037779	0
chr20	60350001	60450000	1136	1185	60400000	0.135039	0.044065	0
chr20	60750001	60850000	1188	1212	60800000	0.167108	0.017434	0
chr20	61000001	61100000	1220	1264	61050000	0.144848	0.033689	0
chr20	61100001	61200000	765	785	61150000	0.15873	0.022521	0
chr20	61300001	61400000	1267	1285	61350000	0.175611	0.01331	0
chr20	61350001	61450000	1217	1262	61400000	0.14358	0.034905	0
chr20	61650001	61750000	1185	1201	61700000	0.176614	0.012885	0
chr20	61700001	61800000	1171	1212	61750000	0.146314	0.032327	0
chr20	61750001	61850000	1224	1246	61800000	0.170263	0.015792	0
chr20	61900001	62000000	1286	1303	61950000	0.177017	0.012717	0
chr20	61950001	62050000	1325	1378	6.20E+07	0.13938	0.039193	0
chr20	62000001	62100000	1318	1338	62050000	0.174235	0.013914	0
chr20	62200001	62300000	982	1011	62250000	0.153975	0.025931	0
chr21	9500001	9600000	102	140	9550000	-0.26089	0.00058	0
chr21	9650001	9750000	114	107	9700000	0.287386	0.000148	0
chr21	9700001	9800000	22	17	9750000	0.567932	1.02E-12	0
chr21	9950001	10050000	64	64	1.00E+07	0.195963	0.006694	0
chr21	10000001	10100000	96	80	10050000	0.458997	5.01E-09	0
chr21	10100001	10200000	20	35	10150000	-0.61139	1.08E-13	0
chr21	10150001	10250000	10	14	10200000	-0.28946	0.000161	0
chr21	10200001	10300000	6	3	10250000	1.195963	1.84E-42	0
chr21	11000001	11100000	644	844	11050000	-0.19422	0.007566	0
chr21	14450001	14550000	2	1	14500000	1.195963	1.84E-42	0
chr21	14500001	14600000	17	6	14550000	1.698463	5.86E-69	0
chr21	14550001	14650000	47	34	14600000	0.663089	2.04E-16	0
chr21	14750001	14850000	49	69	14800000	-0.29785	0.000109	0
chr21	14900001	15000000	39	51	14950000	-0.19106	0.008421	0
chr21	14950001	15050000	36	49	1.50E+07	-0.24882	0.000965	0

chr21	15000001	15100000	59	84	15050000	-0.31371	5.02E-05	0
chr21	15050001	15150000	69	103	15100000	-0.38201	1.25E-06	0
chr21	15450001	15550000	396	535	15500000	-0.23808	0.001493	0
chr21	15500001	15600000	363	535	15550000	-0.36361	3.58E-06	0
chr21	15550001	15650000	418	550	15600000	-0.19997	0.006206	0
chr21	15800001	15900000	428	561	15850000	-0.19443	0.007513	0
chr21	15900001	16000000	403	530	15950000	-0.19925	0.006363	0
chr21	15950001	16050000	371	540	1.60E+07	-0.34558	9.64E-06	0
chr21	16000001	16100000	430	580	16050000	-0.23575	0.001637	0
chr21	16300001	16400000	457	637	16350000	-0.28314	0.000216	0
chr21	18050001	18150000	399	528	18100000	-0.20819	0.004639	0
chr21	18250001	18350000	407	531	18300000	-0.18772	0.009416	0
chr21	18300001	18400000	448	613	18350000	-0.25643	0.000702	0
chr21	19100001	19200000	526	514	19150000	0.229257	0.001916	0
chr21	19250001	19350000	399	541	19300000	-0.24328	0.001211	0
chr21	19300001	19400000	392	539	19350000	-0.26347	0.000519	0
chr21	19450001	19550000	419	562	19500000	-0.22766	0.002247	0
chr21	19600001	19700000	399	526	19650000	-0.20271	0.005637	0
chr21	19650001	19750000	408	536	19700000	-0.1977	0.006714	0
chr21	20150001	20250000	371	497	20200000	-0.22586	0.002407	0
chr21	20200001	20300000	385	525	20250000	-0.2515	0.000863	0
chr21	20250001	20350000	407	545	20300000	-0.22526	0.002463	0
chr21	20550001	20650000	390	539	20600000	-0.27085	0.000376	0
chr21	20600001	20700000	404	555	20650000	-0.26217	0.000549	0
chr21	20900001	21000000	371	502	20950000	-0.24031	0.001365	0
chr21	21000001	21100000	370	498	21050000	-0.23266	0.00185	0
chr21	21050001	21150000	362	489	21100000	-0.23788	0.001505	0
chr21	21300001	21400000	345	484	21350000	-0.29245	0.00014	0
chr21	21350001	21450000	356	471	21400000	-0.20789	0.00469	0
chr21	21500001	21600000	376	499	21550000	-0.21234	0.003991	0
chr21	21800001	21900000	370	490	21850000	-0.20929	0.004458	0
chr21	21850001	21950000	387	541	21900000	-0.28733	0.000178	0
chr21	22300001	22400000	408	535	22350000	-0.19501	0.007365	0
chr21	22350001	22450000	399	540	22400000	-0.24061	0.001349	0
chr21	22400001	22500000	371	500	22450000	-0.23455	0.001717	0
chr21	22550001	22650000	404	539	22600000	-0.21997	0.00301	0
chr21	22600001	22700000	387	542	22650000	-0.29	0.000157	0
chr21	22800001	22900000	376	494	22850000	-0.19782	0.006687	0
chr21	22850001	22950000	381	510	22900000	-0.22474	0.002512	0
chr21	23000001	23100000	379	507	23050000	-0.22382	0.002602	0
chr21	23050001	23150000	373	491	23100000	-0.20058	0.006074	0
chr21	23150001	23250000	392	529	23200000	-0.23645	0.001593	0
chr21	23850001	23950000	351	459	23900000	-0.19106	0.008421	0
chr21	23950001	24050000	366	496	2.40E+07	-0.24253	0.001248	0
chr21	24000001	24100000	375	493	24050000	-0.19873	0.006478	0
chr21	24050001	24150000	377	495	24100000	-0.1969	0.006902	0
chr21	24100001	24200000	371	507	24150000	-0.2546	0.000758	0

chr21	24150001	24250000	373	512	24200000	-0.26101	0.000577	0
chr21	24300001	24400000	378	513	24350000	-0.24461	0.001147	0
chr21	24350001	24450000	372	493	24400000	-0.21032	0.004295	0
chr21	24500001	24600000	360	485	24550000	-0.23402	0.001753	0
chr21	24650001	24750000	378	503	24700000	-0.21621	0.003462	0
chr21	25100001	25200000	387	506	25150000	-0.19084	0.008483	0
chr21	25150001	25250000	369	520	25200000	-0.29893	0.000103	0
chr21	25300001	25400000	376	526	25350000	-0.28837	0.00017	0
chr21	25800001	25900000	373	487	25850000	-0.18878	0.009089	0
chr21	26350001	26450000	396	536	26400000	-0.24077	0.00134	0
chr21	29050001	29150000	434	606	29100000	-0.28566	0.000193	0
chr21	29200001	29300000	149	200	29250000	-0.22872	0.002156	0
chr21	29250001	29350000	110	153	29300000	-0.28007	0.000249	0
chr21	29300001	29400000	100	155	29350000	-0.43631	4.46E-08	0
chr21	29350001	29450000	124	193	29400000	-0.4423	3.02E-08	0
chr21	29650001	29750000	420	553	29700000	-0.20093	0.006002	0
chr21	30800001	30900000	502	661	30850000	-0.201	0.005986	0
chr21	31800001	31900000	426	568	31850000	-0.21907	0.003112	0
chr21	32700001	32800000	491	642	32750000	-0.19089	0.00847	0
chr21	32750001	32850000	444	609	32800000	-0.25992	0.000605	0
chr21	32800001	32900000	444	611	32850000	-0.26465	0.000493	0
chr21	32950001	33050000	569	552	3.30E+07	0.239723	0.001252	0
chr21	33100001	33200000	561	555	33150000	0.211476	0.003811	0
chr21	33650001	33750000	704	709	33700000	0.185753	0.009519	0
chr21	33700001	33800000	735	717	33750000	0.231734	0.001735	0
chr21	33750001	33850000	620	606	33800000	0.228913	0.001942	0
chr21	33900001	34000000	630	602	33950000	0.261551	0.00049	0
chr21	35700001	35800000	669	654	35750000	0.228679	0.001961	0
chr21	36200001	36300000	726	716	36250000	0.215973	0.003216	0
chr21	37450001	37550000	568	568	37500000	0.195963	0.006694	0
chr21	37500001	37600000	586	589	37550000	0.188596	0.008643	0
chr21	37750001	37850000	587	573	37800000	0.230788	0.001802	0
chr21	37800001	37900000	617	607	37850000	0.219537	0.002806	0
chr21	40550001	40650000	631	628	40600000	0.202838	0.005237	0
chr21	42500001	42600000	694	682	42550000	0.221127	0.002639	0
chr21	42550001	42650000	723	647	42600000	0.356193	3.86E-06	0
chr21	42600001	42700000	665	666	42650000	0.193795	0.007222	0
chr21	42900001	43000000	295	403	42950000	-0.2541	0.000774	0
chr21	43000001	43100000	683	669	43050000	0.225842	0.002194	0
chr21	43100001	43200000	758	762	43150000	0.18837	0.00871	0
chr21	43150001	43250000	789	722	43200000	0.323989	2.31E-05	0
chr21	43200001	43300000	693	679	43250000	0.225407	0.002232	0
chr21	43500001	43600000	762	744	43550000	0.230451	0.001827	0
chr21	44250001	44350000	662	665	44300000	0.18944	0.008397	0
chr21	44300001	44400000	507	504	44350000	0.204525	0.004926	0
chr21	44450001	44550000	702	694	44500000	0.212498	0.003668	0
chr21	44500001	44600000	713	698	44550000	0.226638	0.002126	0

chr21	44550001	44650000	665	657	44600000	0.213424	0.003542	0
chr21	44750001	44850000	872	829	44800000	0.268919	0.000351	0
chr21	44800001	44900000	827	775	44850000	0.289654	0.000133	0
chr21	44850001	44950000	837	796	44900000	0.268422	0.00036	0
chr21	45100001	45200000	832	757	45150000	0.332253	1.48E-05	0
chr21	45150001	45250000	885	815	45200000	0.31484	3.74E-05	0
chr21	45200001	45300000	755	757	45250000	0.192146	0.007649	0
chr21	45300001	45400000	767	773	45350000	0.184721	0.009856	0
chr21	45450001	45550000	776	754	45500000	0.237455	0.001374	0
chr21	45500001	45600000	857	813	45550000	0.272003	0.000305	0
chr21	45600001	45700000	764	755	45650000	0.213059	0.003591	0
chr21	45650001	45750000	846	807	45700000	0.264052	0.000438	0
chr21	46150001	46250000	793	779	46200000	0.221661	0.002584	0
chr21	46200001	46300000	773	733	46250000	0.272618	0.000297	0
chr21	46250001	46350000	795	783	46300000	0.217906	0.002987	0
chr21	46300001	46400000	825	823	46350000	0.199465	0.005912	0
chr21	46450001	46550000	881	848	46500000	0.251041	0.000776	0
chr21	46500001	46600000	835	797	46550000	0.26316	0.000456	0
chr21	46550001	46650000	789	761	46600000	0.248092	0.000881	0
chr21	46650001	46750000	783	769	46700000	0.221992	0.002551	0
chr21	46700001	46800000	854	835	46750000	0.228423	0.001981	0
chr21	46750001	46850000	848	826	46800000	0.233886	0.00159	0
chr21	46800001	46900000	907	824	46850000	0.334421	1.31E-05	0
chr21	46850001	46950000	891	840	46900000	0.280999	0.000201	0
chr21	46900001	47000000	823	827	46950000	0.188968	0.008534	0
chr21	47350001	47450000	741	722	47400000	0.233438	0.001619	0
chr21	47550001	47650000	692	681	47600000	0.21908	0.002856	0
chr21	47600001	47700000	701	667	47650000	0.267691	0.000372	0
chr21	47650001	47750000	662	621	47700000	0.288201	0.000142	0
chr21	47800001	47900000	660	636	47850000	0.249402	0.000833	0
chr21	47850001	47950000	667	616	47900000	0.310719	4.62E-05	0
chr21	9400001	9500000	195	204	9450000	0.130868	0.049196	0
chr21	9600001	9700000	100	102	9650000	0.167394	0.01728	0
chr21	9850001	9950000	314	321	9900000	0.164154	0.019103	0
chr21	10050001	10150000	69	70	10100000	0.175204	0.013486	0
chr21	10300001	10400000	30	31	10350000	0.148657	0.030245	0
chr21	10550001	10650000	97	98	10600000	0.181166	0.011098	0
chr21	10900001	11000000	151	190	10950000	-0.13549	0.044548	0
chr21	11050001	11150000	1302	1642	11100000	-0.13876	0.040844	0
chr21	14600001	14700000	54	56	14650000	0.143496	0.034987	0
chr21	15100001	15200000	71	92	15150000	-0.17785	0.012985	0
chr21	15200001	15300000	79	80	15250000	0.177816	0.01239	0
chr21	15300001	15400000	73	75	15350000	0.156969	0.023737	0
chr21	15850001	15950000	432	555	15900000	-0.16549	0.019067	0
chr21	16250001	16350000	442	558	16300000	-0.14026	0.039239	0
chr21	16450001	16550000	500	650	16500000	-0.18255	0.011161	0
chr21	17400001	17500000	530	680	17450000	-0.16358	0.0202	0

chr21	18800001	18900000	508	514	18850000	0.179023	0.01191	0
chr21	19150001	19250000	599	604	19200000	0.18397	0.010108	0
chr21	20100001	20200000	387	498	20150000	-0.16785	0.017748	0
chr21	20400001	20500000	383	485	20450000	-0.14468	0.034789	0
chr21	20850001	20950000	416	526	20900000	-0.14252	0.036909	0
chr21	20950001	21050000	365	468	2.10E+07	-0.16265	0.02077	0
chr21	21100001	21200000	350	443	21150000	-0.14399	0.035453	0
chr21	21400001	21500000	344	432	21450000	-0.13266	0.047963	0
chr21	21450001	21550000	368	469	21500000	-0.15392	0.026827	0
chr21	21700001	21800000	389	494	21750000	-0.14878	0.031043	0
chr21	21900001	22000000	389	499	21950000	-0.16331	0.020365	0
chr21	22450001	22550000	376	472	22500000	-0.13209	0.048675	0
chr21	22500001	22600000	400	505	22550000	-0.14032	0.03917	0
chr21	22650001	22750000	381	495	22700000	-0.18167	0.011482	0
chr21	22750001	22850000	385	499	22800000	-0.17822	0.012834	0
chr21	22900001	23000000	416	532	22950000	-0.15888	0.023225	0
chr21	23100001	23200000	387	494	23150000	-0.15621	0.025106	0
chr21	23200001	23300000	416	522	23250000	-0.1315	0.049419	0
chr21	23300001	23400000	396	510	23350000	-0.16903	0.017115	0
chr21	23500001	23600000	398	500	23550000	-0.1332	0.047299	0
chr21	23550001	23650000	388	501	23600000	-0.17279	0.015234	0
chr21	23600001	23700000	417	532	23650000	-0.15542	0.025694	0
chr21	23800001	23900000	354	445	23850000	-0.13409	0.046207	0
chr21	23900001	24000000	374	481	23950000	-0.16704	0.018195	0
chr21	24600001	24700000	369	480	24650000	-0.18345	0.010838	0
chr21	24700001	24800000	384	500	24750000	-0.18486	0.010349	0
chr21	25000001	25100000	369	469	25050000	-0.15	0.02999	0
chr21	25250001	25350000	412	524	25300000	-0.15096	0.029191	0
chr21	25350001	25450000	393	495	25400000	-0.13694	0.042877	0
chr21	25400001	25500000	382	489	25450000	-0.1603	0.022274	0
chr21	25450001	25550000	419	535	25500000	-0.15663	0.024808	0
chr21	25850001	25950000	379	487	25900000	-0.16576	0.018913	0
chr21	26100001	26200000	408	514	26150000	-0.13724	0.042537	0
chr21	26200001	26300000	376	472	26250000	-0.13209	0.048675	0
chr21	26300001	26400000	395	500	26350000	-0.14411	0.035333	0
chr21	26600001	26700000	417	536	26650000	-0.16622	0.01865	0
chr21	27450001	27550000	623	643	27500000	0.150376	0.028789	0
chr21	27500001	27600000	573	594	27550000	0.144035	0.034464	0
chr21	27800001	27900000	483	610	27850000	-0.14082	0.038643	0
chr21	28550001	28650000	510	653	28600000	-0.16062	0.022061	0
chr21	28600001	28700000	491	616	28650000	-0.13124	0.04975	0
chr21	28650001	28750000	444	562	28700000	-0.14405	0.035396	0
chr21	28700001	28800000	449	576	28750000	-0.16339	0.020314	0
chr21	28750001	28850000	452	583	28800000	-0.17121	0.016003	0
chr21	29000001	29100000	461	593	29050000	-0.1673	0.018047	0
chr21	29400001	29500000	289	368	29450000	-0.15267	0.027802	0
chr21	29700001	29800000	416	542	29750000	-0.18575	0.010051	0

chr21	30200001	30300000	577	588	30250000	0.168718	0.016579	0
chr21	30250001	30350000	656	666	30300000	0.174137	0.013958	0
chr21	30300001	30400000	616	630	30350000	0.163542	0.019465	0
chr21	30450001	30550000	612	636	30500000	0.140468	0.038042	0
chr21	31000001	31100000	533	675	31050000	-0.14479	0.034682	0
chr21	31250001	31350000	486	611	31300000	-0.13425	0.046014	0
chr21	31950001	32050000	425	535	3.20E+07	-0.13611	0.04382	0
chr21	32000001	32100000	425	537	32050000	-0.1415	0.037946	0
chr21	32100001	32200000	430	544	32150000	-0.14331	0.036121	0
chr21	32300001	32400000	457	575	32350000	-0.1354	0.044646	0
chr21	32350001	32450000	449	574	32400000	-0.15837	0.023574	0
chr21	32850001	32950000	474	613	32900000	-0.17504	0.014198	0
chr21	33300001	33400000	628	649	33350000	0.148509	0.030373	0
chr21	34050001	34150000	649	665	34100000	0.160827	0.021143	0
chr21	34300001	34400000	661	687	34350000	0.140303	0.038215	0
chr21	34900001	35000000	859	890	34950000	0.144816	0.03372	0
chr21	35050001	35150000	601	624	35100000	0.141782	0.036691	0
chr21	35200001	35300000	633	657	35250000	0.142275	0.036194	0
chr21	35400001	35500000	684	712	35450000	0.138082	0.040601	0
chr21	35750001	35850000	645	655	35800000	0.173767	0.014125	0
chr21	36150001	36250000	777	785	36200000	0.181185	0.011091	0
chr21	36350001	36450000	660	688	36400000	0.13602	0.042922	0
chr21	36500001	36600000	527	680	36550000	-0.17177	0.015728	0
chr21	38650001	38750000	601	627	38700000	0.134863	0.044273	0
chr21	38700001	38800000	644	653	38750000	0.175941	0.013169	0
chr21	38750001	38850000	663	669	38800000	0.182966	0.010453	0
chr21	39300001	39400000	534	684	39350000	-0.16119	0.021691	0
chr21	39500001	39600000	645	670	39550000	0.141101	0.037386	0
chr21	40000001	40100000	711	733	40050000	0.151999	0.027469	0
chr21	40150001	40250000	733	741	40200000	0.180303	0.011419	0
chr21	40750001	40850000	652	676	40800000	0.143812	0.03468	0
chr21	41300001	41400000	500	646	41350000	-0.17364	0.014834	0
chr21	41350001	41450000	474	602	41400000	-0.14891	0.030925	0
chr21	41450001	41550000	475	614	41500000	-0.17435	0.014509	0
chr21	41500001	41600000	485	617	41550000	-0.15132	0.028892	0
chr21	41700001	41800000	472	597	41750000	-0.14298	0.036444	0
chr21	41750001	41850000	471	605	41800000	-0.16525	0.019211	0
chr21	42750001	42850000	616	640	42800000	0.140821	0.037675	0
chr21	42850001	42950000	551	701	42900000	-0.1514	0.028829	0
chr21	43050001	43150000	705	733	43100000	0.139773	0.038773	0
chr21	43250001	43350000	721	738	43300000	0.162341	0.020192	0
chr21	43750001	43850000	718	746	43800000	0.140771	0.037727	0
chr21	43850001	43950000	721	752	43900000	0.13523	0.043841	0
chr21	44050001	44150000	714	724	44100000	0.175897	0.013188	0
chr21	44100001	44200000	717	736	44150000	0.15823	0.022861	0
chr21	44700001	44800000	878	890	44750000	0.176379	0.012983	0
chr21	44900001	45000000	737	748	44950000	0.174589	0.013756	0

chr21	44950001	45050000	672	692	4.50E+07	0.153652	0.026177	0
chr21	45050001	45150000	706	737	45100000	0.133967	0.045341	0
chr21	45250001	45350000	690	708	45300000	0.15881	0.022467	0
chr21	45350001	45450000	773	783	45400000	0.177419	0.012551	0
chr21	45400001	45500000	708	736	45450000	0.140007	0.038526	0
chr21	45550001	45650000	792	812	45600000	0.159984	0.021688	0
chr21	45700001	45800000	790	814	45750000	0.152787	0.026847	0
chr21	45750001	45850000	702	715	45800000	0.169491	0.016181	0
chr21	45800001	45900000	742	757	45850000	0.167089	0.017445	0
chr21	45850001	45950000	759	769	45900000	0.177079	0.012691	0
chr21	45900001	46000000	703	721	45950000	0.159488	0.022014	0
chr21	46050001	46150000	712	723	46100000	0.173845	0.01409	0
chr21	46100001	46200000	770	793	46150000	0.153501	0.026293	0
chr21	46350001	46450000	834	855	46400000	0.160086	0.021622	0
chr21	46400001	46500000	867	875	46450000	0.182712	0.010542	0
chr21	46600001	46700000	745	757	46650000	0.17291	0.014518	0
chr21	46950001	47050000	715	743	4.70E+07	0.140544	0.037963	0
chr21	47200001	47300000	719	749	47250000	0.136989	0.041818	0
chr22	16000001	16100000	1	4	16050000	-1.80404	2.39E-66	0
chr22	16050001	16150000	6	10	16100000	-0.541	2.84E-11	0
chr22	16100001	16200000	8	8	16150000	0.195963	0.006694	0
chr22	16150001	16250000	9	5	16200000	1.04396	1.94E-34	0
chr22	16200001	16300000	10	5	16250000	1.195963	1.84E-42	0
chr22	16250001	16350000	13	11	16300000	0.436971	2.34E-08	0
chr22	16300001	16400000	19	19	16350000	0.195963	0.006694	0
chr22	16400001	16500000	3	6	16450000	-0.80404	3.29E-21	0
chr22	16450001	16550000	6	9	16500000	-0.389	8.31E-07	0
chr22	16550001	16650000	7	5	16600000	0.68139	3.58E-17	0
chr22	16600001	16700000	5	3	16650000	0.932929	8.75E-29	0
chr22	16650001	16750000	2	2	16700000	0.195963	0.006694	0
chr22	16950001	17050000	83	118	1.70E+07	-0.31164	5.56E-05	0
chr22	18100001	18200000	526	505	18150000	0.254742	0.000661	0
chr22	18650001	18750000	15	21	18700000	-0.28946	0.000161	0
chr22	18700001	18800000	9	15	18750000	-0.541	2.84E-11	0
chr22	18750001	18850000	10	9	18800000	0.347966	6.17E-06	0
chr22	19050001	19150000	671	675	19100000	0.187388	0.009006	0
chr22	19100001	19200000	782	726	19150000	0.303162	6.80E-05	0
chr22	19150001	19250000	718	715	19200000	0.202004	0.005397	0
chr22	19300001	19400000	681	653	19350000	0.256535	0.000611	0
chr22	19350001	19450000	736	700	19400000	0.268314	0.000361	0
chr22	19400001	19500000	720	699	19450000	0.238667	0.001307	0
chr22	19450001	19550000	724	668	19500000	0.312105	4.31E-05	0
chr22	19650001	19750000	781	775	19700000	0.207089	0.004485	0
chr22	19900001	20000000	823	752	19950000	0.326123	2.06E-05	0
chr22	19950001	20050000	870	790	2.00E+07	0.335126	1.26E-05	0
chr22	20200001	20300000	688	688	20250000	0.195963	0.006694	0
chr22	20250001	20350000	279	261	20300000	0.292178	0.000117	0

chr22	20350001	20450000	3	7	20400000	-1.02643	5.11E-31	0
chr22	20400001	20500000	2	2	20450000	0.195963	0.006694	0
chr22	20450001	20550000	1	3	20500000	-1.389	6.26E-48	0
chr22	20500001	20600000	1	2	20550000	-0.80404	3.29E-21	0
chr22	20600001	20700000	4	4	20650000	0.195963	0.006694	0
chr22	20650001	20750000	120	101	20700000	0.444642	1.38E-08	0
chr22	20700001	20800000	497	493	20750000	0.207621	0.004398	0
chr22	20750001	20850000	701	690	20800000	0.218781	0.002889	0
chr22	20800001	20900000	620	624	20850000	0.186685	0.009224	0
chr22	20850001	20950000	709	702	20900000	0.210278	0.003985	0
chr22	20900001	21000000	766	747	20950000	0.232199	0.001703	0
chr22	21100001	21200000	616	616	21150000	0.195963	0.006694	0
chr22	21150001	21250000	610	606	21200000	0.205454	0.004762	0
chr22	21300001	21400000	749	723	21350000	0.246933	0.000925	0
chr22	21350001	21450000	613	591	21400000	0.248692	0.000858	0
chr22	21500001	21600000	10	9	21550000	0.347966	6.17E-06	0
chr22	21600001	21700000	3	9	21650000	-1.389	6.26E-48	0
chr22	21650001	21750000	1	6	21700000	-2.389	7.64E-88	0
chr22	21750001	21850000	126	120	21800000	0.266352	0.000395	0
chr22	21800001	21900000	102	94	21850000	0.3138	3.94E-05	0
chr22	21950001	22050000	687	657	2.20E+07	0.26038	0.000516	0
chr22	22000001	22100000	673	647	22050000	0.252804	0.000719	0
chr22	22050001	22150000	627	627	22100000	0.195963	0.006694	0
chr22	22600001	22700000	263	257	22650000	0.229257	0.001916	0
chr22	22650001	22750000	481	471	22700000	0.226273	0.002157	0
chr22	22850001	22950000	610	612	22900000	0.191241	0.007892	0
chr22	23450001	23550000	758	724	23500000	0.262171	0.000476	0
chr22	23750001	23850000	403	402	23800000	0.199547	0.005895	0
chr22	24150001	24250000	677	668	24200000	0.215271	0.003303	0
chr22	24200001	24300000	561	523	24250000	0.297153	9.18E-05	0
chr22	24300001	24400000	187	184	24350000	0.219296	0.002832	0
chr22	24350001	24450000	476	427	24400000	0.352689	4.72E-06	0
chr22	24400001	24500000	691	677	24450000	0.225493	0.002225	0
chr22	24900001	25000000	667	662	24950000	0.206819	0.004529	0
chr22	24950001	25050000	360	340	2.50E+07	0.278425	0.000226	0
chr22	25000001	25100000	188	176	25050000	0.29112	0.000123	0
chr22	25600001	25700000	363	363	25650000	0.195963	0.006694	0
chr22	25800001	25900000	492	475	25850000	0.246694	0.000934	0
chr22	25850001	25950000	502	506	25900000	0.184513	0.009925	0
chr22	26200001	26300000	569	753	26250000	-0.20826	0.004627	0
chr22	26800001	26900000	658	663	26850000	0.185042	0.00975	0
chr22	26850001	26950000	658	652	26900000	0.209179	0.004152	0
chr22	26900001	27000000	671	666	26950000	0.206754	0.00454	0
chr22	29050001	29150000	486	476	29100000	0.225958	0.002184	0
chr22	29100001	29200000	606	599	29150000	0.212725	0.003637	0
chr22	29600001	29700000	711	711	29650000	0.195963	0.006694	0
chr22	29900001	30000000	639	601	29950000	0.284414	0.000171	0



chr22	30200001	30300000	632	629	30250000	0.202828	0.005239	0
chr22	30600001	30700000	839	836	30650000	0.201131	0.00557	0
chr22	30650001	30750000	834	817	30700000	0.225674	0.002209	0
chr22	30700001	30800000	845	779	30750000	0.313291	4.05E-05	0
chr22	30750001	30850000	786	733	30800000	0.296679	9.39E-05	0
chr22	30800001	30900000	694	691	30850000	0.202213	0.005357	0
chr22	31050001	31150000	619	568	31100000	0.320012	2.85E-05	0
chr22	31100001	31200000	635	624	31150000	0.221174	0.002634	0
chr22	31200001	31300000	734	738	31250000	0.188122	0.008784	0
chr22	31450001	31550000	677	647	31500000	0.261353	0.000494	0
chr22	31500001	31600000	655	639	31550000	0.231642	0.001741	0
chr22	31550001	31650000	640	631	31600000	0.216395	0.003165	0
chr22	31600001	31700000	724	728	31650000	0.188014	0.008816	0
chr22	31700001	31800000	606	608	31750000	0.19121	0.007901	0
chr22	31750001	31850000	520	522	31800000	0.190425	0.008117	0
chr22	32150001	32250000	306	305	32200000	0.200685	0.005659	0
chr22	32850001	32950000	720	723	32900000	0.189964	0.008247	0
chr22	34650001	34750000	425	563	34700000	-0.20971	0.004392	0
chr22	34700001	34800000	415	555	34750000	-0.22341	0.002643	0
chr22	34750001	34850000	429	563	34800000	-0.19619	0.007072	0
chr22	34800001	34900000	447	588	34850000	-0.19958	0.006291	0
chr22	35650001	35750000	763	755	35700000	0.211169	0.003855	0
chr22	35700001	35800000	767	728	35750000	0.271251	0.000316	0
chr22	35750001	35850000	789	727	35800000	0.314033	3.90E-05	0
chr22	35800001	35900000	789	746	35850000	0.276813	0.000244	0
chr22	35900001	36000000	776	782	35950000	0.184851	0.009813	0
chr22	35950001	36050000	773	714	3.60E+07	0.310507	4.67E-05	0
chr22	36000001	36100000	626	618	36050000	0.214519	0.003399	0
chr22	36400001	36500000	546	539	36450000	0.214579	0.003391	0
chr22	36450001	36550000	566	553	36500000	0.229486	0.001899	0
chr22	36500001	36600000	598	596	36550000	0.200796	0.005637	0
chr22	36550001	36650000	587	588	36600000	0.193507	0.007295	0
chr22	36600001	36700000	592	591	36650000	0.198402	0.00614	0
chr22	36650001	36750000	707	661	36700000	0.293023	0.000112	0
chr22	36700001	36800000	731	689	36750000	0.28133	0.000197	0
chr22	36850001	36950000	684	685	36900000	0.193855	0.007207	0
chr22	37050001	37150000	725	711	37100000	0.224094	0.00235	0
chr22	37100001	37200000	672	675	37150000	0.189537	0.008369	0
chr22	37150001	37250000	740	739	37200000	0.197914	0.006248	0
chr22	37200001	37300000	756	745	37250000	0.217109	0.00308	0
chr22	37350001	37450000	738	716	37400000	0.239624	0.001257	0
chr22	37400001	37500000	827	797	37450000	0.249271	0.000837	0
chr22	37450001	37550000	845	837	37500000	0.209687	0.004074	0
chr22	37500001	37600000	836	806	37550000	0.248686	0.000859	0
chr22	37550001	37650000	819	813	37600000	0.206571	0.004571	0
chr22	37900001	38000000	704	691	37950000	0.222853	0.002467	0
chr22	37950001	38050000	737	727	3.80E+07	0.215672	0.003253	0

chr22	38050001	38150000	726	694	38100000	0.260997	0.000502	0
chr22	38100001	38200000	754	675	38150000	0.35564	3.98E-06	0
chr22	38150001	38250000	723	624	38200000	0.408413	1.57E-07	0
chr22	38200001	38300000	659	631	38250000	0.258601	0.000558	0
chr22	38400001	38500000	773	772	38450000	0.197831	0.006266	0
chr22	38450001	38550000	760	719	38500000	0.275971	0.000254	0
chr22	38550001	38650000	722	712	38600000	0.216085	0.003203	0
chr22	38600001	38700000	803	738	38650000	0.317742	3.21E-05	0
chr22	38650001	38750000	729	712	38700000	0.230005	0.00186	0
chr22	38700001	38800000	436	429	38750000	0.219314	0.00283	0
chr22	38850001	38950000	632	628	38900000	0.205123	0.00482	0
chr22	39050001	39150000	705	677	39100000	0.25443	0.00067	0
chr22	39250001	39350000	704	669	39300000	0.269532	0.000342	0
chr22	39450001	39550000	580	568	39500000	0.226125	0.00217	0
chr22	39500001	39600000	659	635	39550000	0.249485	0.00083	0
chr22	39600001	39700000	823	753	39650000	0.324206	2.28E-05	0
chr22	39650001	39750000	717	645	39700000	0.348637	5.94E-06	0
chr22	39850001	39950000	744	727	39900000	0.22931	0.001912	0
chr22	40700001	40800000	682	675	40750000	0.210847	0.003902	0
chr22	40750001	40850000	738	703	40800000	0.266059	0.0004	0
chr22	40900001	41000000	625	591	40950000	0.276661	0.000246	0
chr22	40950001	41050000	623	614	4.10E+07	0.216957	0.003098	0
chr22	41450001	41550000	606	596	41500000	0.219968	0.00276	0
chr22	41500001	41600000	657	625	41550000	0.268	0.000366	0
chr22	41550001	41650000	718	686	41600000	0.261738	0.000486	0
chr22	41600001	41700000	723	685	41650000	0.273855	0.00028	0
chr22	41650001	41750000	683	658	41700000	0.249761	0.00082	0
chr22	41700001	41800000	705	682	41750000	0.243815	0.001055	0
chr22	41750001	41850000	639	633	41800000	0.209573	0.004091	0
chr22	41800001	41900000	600	601	41850000	0.193561	0.007282	0
chr22	41850001	41950000	656	649	41900000	0.21144	0.003816	0
chr22	41900001	42000000	714	678	41950000	0.270602	0.000325	0
chr22	41950001	42050000	683	596	4.20E+07	0.392536	4.32E-07	0
chr22	42000001	42100000	628	523	42050000	0.459917	4.69E-09	0
chr22	42050001	42150000	623	559	42100000	0.352347	4.81E-06	0
chr22	42150001	42250000	653	649	42200000	0.204828	0.004872	0
chr22	42200001	42300000	722	662	42250000	0.321131	2.69E-05	0
chr22	42250001	42350000	809	694	42300000	0.417167	8.86E-08	0
chr22	42300001	42400000	767	736	42350000	0.255484	0.00064	0
chr22	42650001	42750000	840	846	42700000	0.185695	0.009538	0
chr22	42700001	42800000	832	826	42750000	0.206405	0.004599	0
chr22	42900001	43000000	523	509	42950000	0.235108	0.001513	0
chr22	42950001	43050000	609	576	4.30E+07	0.276336	0.00025	0
chr22	43450001	43550000	645	585	43500000	0.336826	1.15E-05	0
chr22	43500001	43600000	787	686	43550000	0.394118	3.91E-07	0
chr22	43550001	43650000	839	804	43600000	0.257438	0.000588	0
chr22	44200001	44300000	797	737	44250000	0.308878	5.08E-05	0

chr22	44250001	44350000	761	695	44300000	0.326847	1.98E-05	0
chr22	44300001	44400000	716	696	44350000	0.236835	0.00141	0
chr22	44350001	44450000	679	677	44400000	0.200219	0.005755	0
chr22	44600001	44700000	555	726	44650000	-0.19152	0.008292	0
chr22	45050001	45150000	682	651	45100000	0.263077	0.000458	0
chr22	45100001	45200000	651	621	45150000	0.264027	0.000439	0
chr22	45650001	45750000	710	690	45700000	0.237186	0.00139	0
chr22	45700001	45800000	665	657	45750000	0.213424	0.003542	0
chr22	45950001	46050000	741	724	4.60E+07	0.229447	0.001902	0
chr22	46000001	46100000	726	716	46050000	0.215973	0.003216	0
chr22	46300001	46400000	953	899	46350000	0.280118	0.000209	0
chr22	46350001	46450000	922	825	46400000	0.356336	3.83E-06	0
chr22	46400001	46500000	910	786	46450000	0.4073	1.69E-07	0
chr22	46450001	46550000	891	835	46500000	0.289612	0.000133	0
chr22	46600001	46700000	693	695	46650000	0.191805	0.00774	0
chr22	47100001	47200000	814	772	47150000	0.272391	0.0003	0
chr22	47150001	47250000	783	765	47200000	0.229516	0.001896	0
chr22	49450001	49550000	698	670	49500000	0.255029	0.000653	0
chr22	49500001	49600000	721	704	49550000	0.230387	0.001831	0
chr22	50150001	50250000	742	718	50200000	0.243398	0.001074	0
chr22	50250001	50350000	790	753	50300000	0.265166	0.000417	0
chr22	50300001	50400000	591	504	50350000	0.425697	5.02E-08	0
chr22	50350001	50450000	422	386	50400000	0.324605	2.23E-05	0
chr22	50500001	50600000	653	656	50550000	0.18935	0.008423	0
chr22	50650001	50750000	896	872	50700000	0.235134	0.001511	0
chr22	50700001	50800000	816	775	50750000	0.270336	0.000329	0
chr22	50800001	50900000	651	643	50850000	0.213802	0.003492	0
chr22	50950001	51050000	814	795	5.10E+07	0.230037	0.001857	0
chr22	51000001	51100000	748	716	51050000	0.259042	0.000548	0
chr22	51050001	51150000	681	664	51100000	0.232435	0.001686	0
chr22	51100001	51200000	651	604	51150000	0.304072	6.49E-05	0
chr22	51150001	51250000	288	262	51200000	0.332465	1.46E-05	0
chr22	51200001	51300000	19	12	51250000	0.858928	3.63E-25	0
chr22	17500001	17600000	528	533	17550000	0.182365	0.010664	0
chr22	17550001	17650000	653	661	17600000	0.178396	0.012157	0
chr22	18000001	18100000	548	554	18050000	0.180253	0.011438	0
chr22	18050001	18150000	517	532	18100000	0.154701	0.025384	0
chr22	18150001	18250000	559	568	18200000	0.17292	0.014513	0
chr22	18250001	18350000	764	785	18300000	0.156843	0.023826	0
chr22	18450001	18550000	596	620	18500000	0.139007	0.039593	0
chr22	18900001	19000000	410	415	18950000	0.178476	0.012126	0
chr22	18950001	19050000	534	545	1.90E+07	0.166547	0.017741	0
chr22	19500001	19600000	648	654	19550000	0.182666	0.010558	0
chr22	19600001	19700000	695	704	19650000	0.177401	0.012559	0
chr22	19700001	19800000	855	873	19750000	0.165906	0.018098	0
chr22	19850001	19950000	709	742	19900000	0.130329	0.049892	0
chr22	20000001	20100000	729	762	20050000	0.132091	0.047645	0

chr22	20050001	20150000	760	784	20100000	0.151109	0.028187	0
chr22	21050001	21150000	471	484	21100000	0.156683	0.02394	0
chr22	21900001	22000000	571	577	21950000	0.180882	0.011202	0
chr22	22800001	22900000	533	545	22850000	0.163842	0.019286	0
chr22	22900001	23000000	447	456	22950000	0.167204	0.017382	0
chr22	23200001	23300000	690	717	23250000	0.140586	0.037919	0
chr22	23350001	23450000	670	693	23400000	0.147269	0.031465	0
chr22	23400001	23500000	771	805	23450000	0.133705	0.045657	0
chr22	23600001	23700000	460	479	23650000	0.137571	0.041166	0
chr22	23650001	23750000	424	435	23700000	0.159012	0.022332	0
chr22	23800001	23900000	539	555	23850000	0.153761	0.026094	0
chr22	23950001	24050000	548	553	2.40E+07	0.182859	0.01049	0
chr22	24100001	24200000	649	661	24150000	0.169531	0.01616	0
chr22	24250001	24350000	248	251	24300000	0.178616	0.01207	0
chr22	25750001	25850000	521	539	25800000	0.146961	0.031741	0
chr22	26350001	26450000	612	622	26400000	0.17258	0.014672	0
chr22	26950001	27050000	652	662	2.70E+07	0.174004	0.014018	0
chr22	27600001	27700000	650	679	27650000	0.132991	0.046527	0
chr22	28050001	28150000	705	728	28100000	0.149648	0.029399	0
chr22	28850001	28950000	516	537	28900000	0.138412	0.040239	0
chr22	29000001	29100000	444	449	29050000	0.179807	0.011607	0
chr22	29650001	29750000	712	728	29700000	0.163902	0.019251	0
chr22	29700001	29800000	669	700	29750000	0.130614	0.049523	0
chr22	30000001	30100000	589	757	30050000	-0.16606	0.018741	0
chr22	30150001	30250000	668	696	30200000	0.136724	0.042118	0
chr22	30350001	30450000	690	700	30400000	0.175204	0.013486	0
chr22	30400001	30500000	675	686	30450000	0.172642	0.014643	0
chr22	30850001	30950000	647	675	30900000	0.134841	0.044298	0
chr22	31000001	31100000	628	648	31050000	0.150734	0.028494	0
chr22	31150001	31250000	668	691	31200000	0.147125	0.031593	0
chr22	31250001	31350000	753	768	31300000	0.167507	0.017219	0
chr22	31300001	31400000	686	696	31350000	0.175084	0.013539	0
chr22	31400001	31500000	581	608	31450000	0.13043	0.049762	0
chr22	31650001	31750000	745	766	31700000	0.155859	0.024531	0
chr22	31800001	31900000	551	573	31850000	0.13948	0.039085	0
chr22	31950001	32050000	624	632	3.20E+07	0.177585	0.012484	0
chr22	32000001	32100000	510	527	32050000	0.148657	0.030245	0
chr22	32200001	32300000	322	330	32250000	0.160558	0.021316	0
chr22	32350001	32450000	359	373	32400000	0.140771	0.037727	0
chr22	32800001	32900000	705	721	32850000	0.163587	0.019438	0
chr22	32900001	33000000	699	720	32950000	0.153259	0.02648	0
chr22	32950001	33050000	695	705	3.30E+07	0.175353	0.013422	0
chr22	33000001	33100000	676	696	33050000	0.153899	0.025988	0
chr22	33950001	34050000	500	633	3.40E+07	-0.14431	0.035138	0
chr22	34150001	34250000	474	599	34200000	-0.14171	0.037731	0
chr22	34500001	34600000	449	585	34550000	-0.18576	0.010048	0
chr22	35000001	35100000	492	509	35050000	0.146956	0.031746	0

chr22	35600001	35700000	635	652	35650000	0.157848	0.023124	0
chr22	35850001	35950000	726	742	35900000	0.164513	0.018893	0
chr22	37250001	37350000	706	720	37300000	0.167634	0.017151	0
chr22	38300001	38400000	735	768	38350000	0.132601	0.047009	0
chr22	38500001	38600000	681	709	38550000	0.137832	0.040876	0
chr22	38750001	38850000	436	453	38800000	0.14078	0.037718	0
chr22	38800001	38900000	716	726	38850000	0.175953	0.013164	0
chr22	39000001	39100000	618	642	39050000	0.140997	0.037494	0
chr22	39100001	39200000	764	789	39150000	0.14951	0.029515	0
chr22	39200001	39300000	706	715	39250000	0.177688	0.012442	0
chr22	39400001	39500000	428	444	39450000	0.143014	0.035459	0
chr22	39550001	39650000	732	743	39600000	0.174444	0.013821	0
chr22	39700001	39800000	656	669	39750000	0.167653	0.017141	0
chr22	39900001	40000000	747	763	39950000	0.165388	0.01839	0
chr22	40200001	40300000	579	597	40250000	0.151795	0.027632	0
chr22	40250001	40350000	636	654	40300000	0.155699	0.024647	0
chr22	40500001	40600000	597	612	40550000	0.160162	0.021572	0
chr22	40550001	40650000	617	637	40600000	0.14994	0.029153	0
chr22	41050001	41150000	572	594	41100000	0.141515	0.036962	0
chr22	41200001	41300000	606	624	41250000	0.153735	0.026114	0
chr22	41250001	41350000	568	580	41300000	0.165801	0.018156	0
chr22	41400001	41500000	562	568	41450000	0.180642	0.011292	0
chr22	42100001	42200000	596	605	42150000	0.17434	0.013867	0
chr22	42400001	42500000	581	607	42450000	0.132805	0.046757	0
chr22	43000001	43100000	658	672	43050000	0.165589	0.018276	0
chr22	43250001	43350000	764	779	43300000	0.167912	0.017002	0
chr22	43400001	43500000	560	574	43450000	0.160339	0.021457	0
chr22	43600001	43700000	813	838	43650000	0.152268	0.027255	0
chr22	44000001	44100000	615	637	44050000	0.145256	0.033305	0
chr22	46250001	46350000	844	870	46300000	0.152191	0.027317	0
chr22	46650001	46750000	713	731	46700000	0.159994	0.021682	0
chr22	46850001	46950000	684	713	46900000	0.136057	0.04288	0
chr22	46900001	47000000	753	772	46950000	0.160012	0.02167	0
chr22	46950001	47050000	755	770	4.70E+07	0.167581	0.017179	0
chr22	47000001	47100000	754	779	47050000	0.148904	0.030032	0
chr22	47050001	47150000	781	800	47100000	0.161286	0.020851	0
chr22	47700001	47800000	643	659	47750000	0.160503	0.021351	0
chr22	47900001	48000000	633	659	47950000	0.13789	0.040812	0
chr22	48100001	48200000	601	621	48150000	0.148735	0.030178	0
chr22	48450001	48550000	595	750	48500000	-0.13804	0.04164	0
chr22	48700001	48800000	558	719	48750000	-0.16976	0.016735	0
chr22	48800001	48900000	635	660	48850000	0.140254	0.038267	0
chr22	48950001	49050000	730	743	4.90E+07	0.170497	0.015675	0
chr22	49000001	49100000	698	721	49050000	0.149191	0.029787	0
chr22	49150001	49250000	652	674	49200000	0.148086	0.030742	0
chr22	50100001	50200000	716	722	50150000	0.183924	0.010123	0
chr22	50200001	50300000	716	731	50250000	0.166051	0.018016	0

chr22	50450001	50550000	688	716	50500000	0.138412	0.040239	0
chr22	50550001	50650000	736	760	50600000	0.149669	0.029381	0
chr22	50600001	50700000	828	835	50650000	0.183818	0.010159	0
chr22	50750001	50850000	596	608	50800000	0.167204	0.017382	0
chr22	50850001	50950000	739	752	50900000	0.170805	0.015523	0
chr3	250001	350000	431	568	3.00E+05	-0.20224	0.005731	0
chr3	900001	1000000	417	566	950000	-0.24479	0.001139	0
chr3	950001	1050000	445	596	1.00E+06	-0.22554	0.002437	0
chr3	1950001	2050000	367	484	2.00E+06	-0.20326	0.005528	0
chr3	2000001	2100000	393	558	2050000	-0.30977	6.10E-05	0
chr3	2050001	2150000	417	587	2100000	-0.29735	0.000111	0
chr3	2100001	2200000	427	564	2150000	-0.2055	0.005108	0
chr3	2300001	2400000	412	561	2350000	-0.24939	0.000942	0
chr3	2350001	2450000	437	580	2400000	-0.21246	0.003974	0
chr3	2850001	2950000	497	499	2900000	0.190169	0.008189	0
chr3	2900001	3000000	522	515	2950000	0.21544	0.003282	0
chr3	3350001	3450000	454	622	3400000	-0.25826	0.000649	0
chr3	3400001	3500000	435	590	3450000	-0.24374	0.001189	0
chr3	3900001	4000000	362	494	3950000	-0.25256	0.000826	0
chr3	4200001	4300000	413	558	4250000	-0.23816	0.001488	0
chr3	4700001	4800000	769	748	4750000	0.235908	0.001464	0
chr3	5000001	5100000	683	661	5050000	0.243198	0.001083	0
chr3	5900001	6000000	394	527	5950000	-0.22364	0.00262	0
chr3	5950001	6050000	399	537	6.00E+06	-0.23257	0.001856	0
chr3	6450001	6550000	386	505	6500000	-0.19172	0.008236	0
chr3	7050001	7150000	413	542	7100000	-0.19619	0.007073	0
chr3	7100001	7200000	384	526	7150000	-0.25799	0.000657	0
chr3	7900001	8000000	405	556	7950000	-0.2612	0.000573	0
chr3	7950001	8050000	464	636	8.00E+06	-0.25894	0.000631	0
chr3	8000001	8100000	465	618	8050000	-0.21441	0.003699	0
chr3	8800001	8900000	675	674	8850000	0.198102	0.006206	0
chr3	9500001	9600000	616	617	9550000	0.193623	0.007266	0
chr3	9650001	9750000	821	823	9700000	0.192453	0.007568	0
chr3	9700001	9800000	1095	1076	9750000	0.221216	0.002629	0
chr3	9750001	9850000	1112	1083	9800000	0.234087	0.001577	0
chr3	9800001	9900000	1054	1029	9850000	0.230595	0.001816	0
chr3	9850001	9950000	923	916	9900000	0.206946	0.004508	0
chr3	9900001	10000000	1002	1000	9950000	0.198846	0.006044	0
chr3	10000001	10100000	563	557	10050000	0.211421	0.003819	0
chr3	10050001	10150000	493	487	10100000	0.213629	0.003515	0
chr3	10100001	10200000	532	530	10150000	0.201397	0.005517	0
chr3	10150001	10250000	592	576	10200000	0.235491	0.00149	0
chr3	10200001	10300000	649	647	10250000	0.200416	0.005714	0
chr3	10250001	10350000	716	676	10300000	0.278899	0.000221	0
chr3	10300001	10400000	816	732	10350000	0.352689	4.72E-06	0
chr3	10350001	10450000	814	800	10400000	0.220992	0.002652	0
chr3	10750001	10850000	728	715	10800000	0.221958	0.002555	0

chr3	12550001	12650000	688	637	12600000	0.307078	5.57E-05	0
chr3	12600001	12700000	637	609	12650000	0.260814	0.000506	0
chr3	12650001	12750000	586	554	12700000	0.276978	0.000242	0
chr3	12700001	12800000	639	592	12750000	0.306182	5.83E-05	0
chr3	12850001	12950000	753	681	12900000	0.340958	9.15E-06	0
chr3	13400001	13500000	647	628	13450000	0.238964	0.001292	0
chr3	13450001	13550000	629	621	13500000	0.21443	0.00341	0
chr3	13550001	13650000	774	746	13600000	0.249121	0.000843	0
chr3	15650001	15750000	655	647	15700000	0.213692	0.003507	0
chr3	17450001	17550000	445	584	17500000	-0.1962	0.00707	0
chr3	17550001	17650000	431	596	17600000	-0.27166	0.000363	0
chr3	17950001	18050000	448	584	1.80E+07	-0.18651	0.009802	0
chr3	18000001	18100000	461	607	18050000	-0.20097	0.005993	0
chr3	18550001	18650000	416	556	18600000	-0.22254	0.002732	0
chr3	18600001	18700000	448	599	18650000	-0.22309	0.002675	0
chr3	18650001	18750000	445	587	18700000	-0.20359	0.005465	0
chr3	19150001	19250000	427	561	19200000	-0.1978	0.006691	0
chr3	19200001	19300000	409	556	19250000	-0.24702	0.001039	0
chr3	19250001	19350000	411	544	19300000	-0.20851	0.004586	0
chr3	19300001	19400000	378	507	19350000	-0.22764	0.002248	0
chr3	19350001	19450000	360	476	19400000	-0.207	0.004841	0
chr3	19550001	19650000	383	559	19600000	-0.34954	7.78E-06	0
chr3	19600001	19700000	346	513	19650000	-0.37222	2.20E-06	0
chr3	19650001	19750000	372	498	19700000	-0.22488	0.002499	0
chr3	19700001	19800000	421	556	19750000	-0.2053	0.005143	0
chr3	20100001	20200000	424	570	20150000	-0.23093	0.001979	0
chr3	20600001	20700000	362	504	20650000	-0.28147	0.000233	0
chr3	20950001	21050000	381	509	2.10E+07	-0.22191	0.002797	0
chr3	21000001	21100000	373	518	21050000	-0.27781	0.000275	0
chr3	21750001	21850000	391	539	21800000	-0.26715	0.000442	0
chr3	21800001	21900000	369	532	21850000	-0.33184	1.99E-05	0
chr3	21850001	21950000	415	555	21900000	-0.22341	0.002643	0
chr3	22250001	22350000	377	514	22300000	-0.25124	0.000873	0
chr3	23500001	23600000	604	603	23550000	0.198354	0.006151	0
chr3	24050001	24150000	434	599	24100000	-0.2689	0.00041	0
chr3	24750001	24850000	472	625	24800000	-0.20911	0.004488	0
chr3	26100001	26200000	434	589	26150000	-0.24461	0.001147	0
chr3	26150001	26250000	383	532	26200000	-0.27812	0.000272	0
chr3	26650001	26750000	501	663	26700000	-0.20824	0.004631	0
chr3	26700001	26800000	438	580	26750000	-0.20916	0.00448	0
chr3	27450001	27550000	574	562	27500000	0.226444	0.002143	0
chr3	27500001	27600000	562	565	27550000	0.188282	0.008736	0
chr3	28150001	28250000	460	604	28200000	-0.19695	0.00689	0
chr3	28650001	28750000	444	601	28700000	-0.24084	0.001336	0
chr3	28700001	28800000	424	576	28750000	-0.24604	0.001082	0
chr3	32950001	33050000	443	578	3.30E+07	-0.1878	0.009391	0
chr3	34250001	34350000	482	638	34300000	-0.20856	0.004577	0

chr3	34300001	34400000	498	653	34350000	-0.19497	0.007374	0
chr3	34350001	34450000	476	626	34400000	-0.19924	0.006366	0
chr3	34550001	34650000	414	553	34600000	-0.22169	0.002821	0
chr3	34900001	35000000	406	540	34950000	-0.21552	0.003552	0
chr3	35050001	35150000	382	500	35100000	-0.19239	0.00805	0
chr3	36050001	36150000	353	472	36100000	-0.22316	0.002669	0
chr3	36200001	36300000	419	581	36250000	-0.27562	0.000304	0
chr3	36250001	36350000	422	561	36300000	-0.21479	0.003648	0
chr3	36300001	36400000	414	573	36350000	-0.27294	0.000343	0
chr3	36350001	36450000	427	580	36400000	-0.24585	0.00109	0
chr3	36550001	36650000	441	582	36600000	-0.20428	0.005334	0
chr3	36600001	36700000	445	587	36650000	-0.20359	0.005465	0
chr3	37650001	37750000	481	644	37700000	-0.22506	0.002482	0
chr3	39900001	40000000	395	522	39950000	-0.20623	0.004975	0
chr3	39950001	40050000	356	491	4.00E+07	-0.26788	0.000428	0
chr3	40350001	40450000	516	674	40400000	-0.18941	0.008899	0
chr3	40800001	40900000	488	684	40850000	-0.29115	0.000149	0
chr3	40850001	40950000	468	635	40900000	-0.24429	0.001162	0
chr3	42550001	42650000	705	700	42600000	0.206231	0.004628	0
chr3	42600001	42700000	677	658	42650000	0.237031	0.001399	0
chr3	42950001	43050000	499	657	4.30E+07	-0.20089	0.006009	0
chr3	44100001	44200000	551	722	44150000	-0.19398	0.007627	0
chr3	45850001	45950000	686	686	45900000	0.195963	0.006694	0
chr3	46200001	46300000	602	600	46250000	0.200764	0.005643	0
chr3	46700001	46800000	725	714	46750000	0.21802	0.002974	0
chr3	46850001	46950000	768	773	46900000	0.186601	0.00925	0
chr3	46900001	47000000	821	825	46950000	0.188951	0.008539	0
chr3	46950001	47050000	821	794	4.70E+07	0.244206	0.001038	0
chr3	47750001	47850000	532	523	47800000	0.220578	0.002695	0
chr3	47800001	47900000	574	564	47850000	0.221319	0.002619	0
chr3	47850001	47950000	660	628	47900000	0.267665	0.000372	0
chr3	47900001	48000000	611	584	47950000	0.261167	0.000498	0
chr3	48550001	48650000	836	810	48600000	0.241544	0.00116	0
chr3	48600001	48700000	901	875	48650000	0.238207	0.001333	0
chr3	48650001	48750000	805	798	48700000	0.208563	0.004247	0
chr3	48700001	48800000	631	591	48750000	0.290445	0.000128	0
chr3	48750001	48850000	531	473	48800000	0.362835	2.62E-06	0
chr3	48800001	48900000	539	510	48850000	0.275751	0.000257	0
chr3	49050001	49150000	647	627	49100000	0.241263	0.001174	0
chr3	49100001	49200000	676	628	49150000	0.302222	7.12E-05	0
chr3	49150001	49250000	679	653	49200000	0.252292	0.000735	0
chr3	49200001	49300000	522	523	49250000	0.193202	0.007373	0
chr3	49400001	49500000	623	583	49450000	0.291699	0.00012	0
chr3	49450001	49550000	619	534	49500000	0.409063	1.51E-07	0
chr3	49650001	49750000	746	751	49700000	0.186326	0.009337	0
chr3	49700001	49800000	695	683	49750000	0.22109	0.002642	0
chr3	49750001	49850000	752	681	49800000	0.339041	1.02E-05	0



chr3	49800001	49900000	739	639	49850000	0.405721	1.87E-07	0
chr3	49850001	49950000	747	731	49900000	0.2272	0.002079	0
chr3	50150001	50250000	831	809	50200000	0.234672	0.00154	0
chr3	50200001	50300000	832	809	50250000	0.236407	0.001435	0
chr3	50250001	50350000	769	750	50300000	0.232056	0.001712	0
chr3	50300001	50400000	770	694	50350000	0.345886	6.94E-06	0
chr3	50350001	50450000	843	800	50400000	0.271496	0.000312	0
chr3	50400001	50500000	870	867	50450000	0.200946	0.005607	0
chr3	50450001	50550000	858	846	50500000	0.216283	0.003179	0
chr3	50600001	50700000	852	857	50650000	0.187521	0.008966	0
chr3	50650001	50750000	735	721	50700000	0.223708	0.002386	0
chr3	51350001	51450000	621	614	51400000	0.212318	0.003693	0
chr3	51400001	51500000	603	564	51450000	0.292426	0.000116	0
chr3	51700001	51800000	691	695	51750000	0.187636	0.008931	0
chr3	51950001	52050000	775	718	5.20E+07	0.306176	5.83E-05	0
chr3	52000001	52100000	827	792	52050000	0.25835	0.000564	0
chr3	52050001	52150000	911	908	52100000	0.200722	0.005652	0
chr3	52200001	52300000	779	776	52250000	0.20153	0.00549	0
chr3	52250001	52350000	851	802	52300000	0.28152	0.000196	0
chr3	52450001	52550000	826	801	52500000	0.240303	0.001222	0
chr3	52700001	52800000	663	606	52750000	0.325654	2.11E-05	0
chr3	52750001	52850000	733	701	52800000	0.260362	0.000516	0
chr3	53150001	53250000	808	810	53200000	0.192396	0.007583	0
chr3	53200001	53300000	797	782	53250000	0.223374	0.002417	0
chr3	53250001	53350000	705	696	53300000	0.214499	0.003401	0
chr3	53300001	53400000	622	607	53350000	0.231181	0.001774	0
chr3	53350001	53450000	535	534	53400000	0.198662	0.006084	0
chr3	53950001	54050000	481	634	5.40E+07	-0.20248	0.005683	0
chr3	57500001	57600000	540	541	57550000	0.193294	0.00735	0
chr3	57550001	57650000	538	541	57600000	0.187941	0.008838	0
chr3	58050001	58150000	742	733	58100000	0.213569	0.003523	0
chr3	58250001	58350000	619	611	58300000	0.21473	0.003372	0
chr3	59100001	59200000	426	556	59150000	-0.18827	0.009246	0
chr3	59800001	59900000	460	605	59850000	-0.19934	0.006343	0
chr3	59850001	59950000	443	583	59900000	-0.20023	0.00615	0
chr3	60400001	60500000	288	416	60450000	-0.33455	1.73E-05	0
chr3	60450001	60550000	213	281	60500000	-0.20375	0.005434	0
chr3	60600001	60700000	241	321	60650000	-0.21758	0.003291	0
chr3	61250001	61350000	414	541	61300000	-0.19003	0.008716	0
chr3	61350001	61450000	334	447	61400000	-0.22446	0.002539	0
chr3	61400001	61500000	386	505	61450000	-0.19172	0.008236	0
chr3	61500001	61600000	448	613	61550000	-0.25643	0.000702	0
chr3	62750001	62850000	426	563	62800000	-0.20632	0.00496	0
chr3	63100001	63200000	435	579	63150000	-0.21658	0.003414	0
chr3	63550001	63650000	401	548	63600000	-0.25461	0.000758	0
chr3	63850001	63950000	619	585	63900000	0.277466	0.000237	0
chr3	63900001	64000000	618	619	63950000	0.19363	0.007264	0

chr3	64950001	65050000	396	527	6.50E+07	-0.21634	0.003445	0
chr3	66050001	66150000	465	618	66100000	-0.21441	0.003699	0
chr3	66100001	66200000	318	467	66150000	-0.35843	4.78E-06	0
chr3	66150001	66250000	98	156	66200000	-0.47473	3.43E-09	0
chr3	66200001	66300000	185	181	66250000	0.227499	0.002055	0
chr3	66800001	66900000	399	528	66850000	-0.20819	0.004639	0
chr3	67900001	68000000	447	593	67950000	-0.21179	0.004071	0
chr3	67950001	68050000	407	553	6.80E+07	-0.24629	0.001071	0
chr3	68750001	68850000	454	619	68800000	-0.25128	0.000871	0
chr3	68800001	68900000	371	503	68850000	-0.24318	0.001216	0
chr3	69750001	69850000	638	642	69800000	0.186946	0.009142	0
chr3	69800001	69900000	643	631	69850000	0.223142	0.00244	0
chr3	70500001	70600000	497	654	70550000	-0.20008	0.006181	0
chr3	72450001	72550000	634	636	72500000	0.191419	0.007844	0
chr3	72700001	72800000	543	545	72750000	0.190659	0.008052	0
chr3	73750001	73850000	416	547	73800000	-0.19899	0.00642	0
chr3	74000001	74100000	425	565	74050000	-0.21482	0.003644	0
chr3	74150001	74250000	366	493	74200000	-0.23378	0.00177	0
chr3	74250001	74350000	368	515	74300000	-0.2889	0.000166	0
chr3	74300001	74400000	368	512	74350000	-0.28048	0.000244	0
chr3	74350001	74450000	381	513	74400000	-0.2332	0.001811	0
chr3	74400001	74500000	394	543	74450000	-0.26679	0.000449	0
chr3	74550001	74650000	384	563	74600000	-0.35607	5.45E-06	0
chr3	74600001	74700000	410	546	74650000	-0.21731	0.003323	0
chr3	74700001	74800000	377	507	74750000	-0.23146	0.001939	0
chr3	74750001	74850000	379	519	74800000	-0.25757	0.000669	0
chr3	75100001	75200000	340	463	75150000	-0.24951	0.000938	0
chr3	75150001	75250000	393	520	75200000	-0.20802	0.004667	0
chr3	75300001	75400000	213	301	75350000	-0.30295	8.51E-05	0
chr3	75400001	75500000	131	120	75450000	0.322495	2.50E-05	0
chr3	75450001	75550000	105	104	75500000	0.209769	0.004062	0
chr3	75550001	75650000	92	91	75600000	0.21173	0.003775	0
chr3	76250001	76350000	391	521	76300000	-0.21815	0.003221	0
chr3	76300001	76400000	408	567	76350000	-0.27882	0.000263	0
chr3	76550001	76650000	406	549	76600000	-0.23936	0.001418	0
chr3	76600001	76700000	406	540	76650000	-0.21552	0.003552	0
chr3	77500001	77600000	451	629	77550000	-0.28397	0.000208	0
chr3	77700001	77800000	426	556	77750000	-0.18827	0.009246	0
chr3	77750001	77850000	388	507	77800000	-0.18997	0.008736	0
chr3	78150001	78250000	424	581	78200000	-0.25851	0.000642	0
chr3	78200001	78300000	432	571	78250000	-0.2065	0.004929	0
chr3	79700001	79800000	423	555	79750000	-0.19587	0.007151	0
chr3	80100001	80200000	416	549	80150000	-0.20426	0.005337	0
chr3	80950001	81050000	390	541	8.10E+07	-0.27619	0.000296	0
chr3	83100001	83200000	349	476	83150000	-0.25177	0.000854	0
chr3	83450001	83550000	372	505	83500000	-0.24502	0.001128	0
chr3	83750001	83850000	378	497	83800000	-0.1989	0.006442	0

chr3	84200001	84300000	354	478	84250000	-0.2373	0.00154	0
chr3	84400001	84500000	321	460	84450000	-0.3231	3.13E-05	0
chr3	84450001	84550000	330	488	84500000	-0.36845	2.73E-06	0
chr3	84500001	84600000	343	486	84550000	-0.30678	7.06E-05	0
chr3	84550001	84650000	360	478	84600000	-0.21305	0.003889	0
chr3	84700001	84800000	378	495	84750000	-0.19308	0.007865	0
chr3	84850001	84950000	310	441	84900000	-0.31255	5.31E-05	0
chr3	84900001	85000000	329	456	84950000	-0.27498	0.000313	0
chr3	84950001	85050000	355	487	8.50E+07	-0.26014	0.000599	0
chr3	85150001	85250000	296	454	85200000	-0.42113	1.17E-07	0
chr3	85200001	85300000	331	455	85250000	-0.26307	0.000528	0
chr3	85400001	85500000	358	509	85450000	-0.31174	5.53E-05	0
chr3	85450001	85550000	391	519	85500000	-0.2126	0.003953	0
chr3	85600001	85700000	392	526	85650000	-0.22825	0.002196	0
chr3	85650001	85750000	366	550	85700000	-0.39162	7.12E-07	0
chr3	85700001	85800000	347	502	85750000	-0.33679	1.54E-05	0
chr3	85750001	85850000	357	470	85800000	-0.20077	0.006034	0
chr3	86150001	86250000	392	514	86200000	-0.19495	0.007379	0
chr3	86300001	86400000	392	512	86350000	-0.18933	0.008925	0
chr3	86700001	86800000	398	526	86750000	-0.20633	0.004958	0
chr3	87450001	87550000	409	543	87500000	-0.21289	0.003912	0
chr3	87500001	87600000	392	549	87550000	-0.28999	0.000157	0
chr3	87550001	87650000	385	559	87600000	-0.34203	1.17E-05	0
chr3	87600001	87700000	408	551	87650000	-0.23752	0.001526	0
chr3	87650001	87750000	404	551	87700000	-0.25173	0.000855	0
chr3	87700001	87800000	392	516	87750000	-0.20055	0.00608	0
chr3	87800001	87900000	410	536	87850000	-0.19065	0.008539	0
chr3	87850001	87950000	374	494	87900000	-0.20551	0.005105	0
chr3	87900001	88000000	354	472	87950000	-0.21907	0.003112	0
chr3	87950001	88050000	403	528	8.80E+07	-0.1938	0.007676	0
chr3	88450001	88550000	415	545	88500000	-0.19718	0.006835	0
chr3	88500001	88600000	348	485	88550000	-0.28293	0.000218	0
chr3	89200001	89300000	409	539	89250000	-0.20222	0.005735	0
chr3	89250001	89350000	411	571	89300000	-0.27839	0.000268	0
chr3	89300001	89400000	398	529	89350000	-0.21454	0.003683	0
chr3	89400001	89500000	380	501	89450000	-0.20285	0.00561	0
chr3	89450001	89550000	362	477	89500000	-0.20204	0.005773	0
chr3	89850001	89950000	311	443	89900000	-0.31443	4.84E-05	0
chr3	89950001	90050000	324	423	9.00E+07	-0.1887	0.009114	0
chr3	90000001	90100000	369	514	90050000	-0.28218	0.000226	0
chr3	90200001	90300000	143	200	90250000	-0.28802	0.000173	0
chr3	90250001	90350000	211	285	90300000	-0.23776	0.001512	0
chr3	90500001	90600000	26	25	90550000	0.252547	0.000727	0
chr3	93450001	93550000	138	188	93500000	-0.2501	0.000915	0
chr3	93950001	94050000	613	800	9.40E+07	-0.18815	0.009282	0
chr3	94000001	94100000	597	797	94050000	-0.22089	0.002908	0
chr3	94050001	94150000	597	808	94100000	-0.24066	0.001346	0

chr3	94250001	94350000	592	772	94300000	-0.18704	0.009631	0
chr3	94300001	94400000	488	723	94350000	-0.37115	2.34E-06	0
chr3	94350001	94450000	515	699	94400000	-0.24476	0.00114	0
chr3	94750001	94850000	541	709	94800000	-0.19419	0.007573	0
chr3	95050001	95150000	382	521	95100000	-0.25175	0.000854	0
chr3	95100001	95200000	364	541	95150000	-0.37573	1.80E-06	0
chr3	95150001	95250000	363	503	95200000	-0.27463	0.000318	0
chr3	95500001	95600000	317	430	95550000	-0.24389	0.001181	0
chr3	95550001	95650000	331	466	95600000	-0.29754	0.00011	0
chr3	95600001	95700000	361	515	95650000	-0.31661	4.34E-05	0
chr3	95650001	95750000	367	532	95700000	-0.33968	1.32E-05	0
chr3	95700001	95800000	359	523	95750000	-0.34686	8.99E-06	0
chr3	95750001	95850000	358	476	95800000	-0.21504	0.003615	0
chr3	95800001	95900000	343	479	95850000	-0.28585	0.000191	0
chr3	95850001	95950000	359	513	95900000	-0.31901	3.85E-05	0
chr3	95950001	96050000	374	501	9.60E+07	-0.22581	0.002412	0
chr3	96000001	96100000	322	467	96050000	-0.3404	1.27E-05	0
chr3	96150001	96250000	403	540	96200000	-0.22622	0.002375	0
chr3	96250001	96350000	305	412	96300000	-0.23787	0.001505	0
chr3	96300001	96400000	287	423	96350000	-0.36364	3.58E-06	0
chr3	96350001	96450000	331	450	96400000	-0.24713	0.001035	0
chr3	96400001	96500000	376	504	96450000	-0.22673	0.002328	0
chr3	96850001	96950000	387	520	96900000	-0.23022	0.002035	0
chr3	97600001	97700000	605	605	97650000	0.195963	0.006694	0
chr3	97650001	97750000	646	634	97700000	0.223014	0.002452	0
chr3	98000001	98100000	481	479	98050000	0.201974	0.005403	0
chr3	98850001	98950000	399	568	98900000	-0.31354	5.06E-05	0
chr3	99250001	99350000	737	975	99300000	-0.20777	0.004708	0
chr3	1.01E+08	1.01E+08	760	757	1.01E+08	0.201669	0.005463	0
chr3	1.02E+08	1.02E+08	703	957	1.02E+08	-0.24903	0.000957	0
chr3	1.02E+08	1.02E+08	708	946	1.02E+08	-0.22213	0.002775	0
chr3	1.03E+08	1.03E+08	646	855	1.03E+08	-0.20843	0.004599	0
chr3	1.05E+08	1.05E+08	647	876	1.05E+08	-0.2412	0.001317	0
chr3	1.05E+08	1.05E+08	665	887	1.05E+08	-0.21962	0.00305	0
chr3	1.05E+08	1.05E+08	655	898	1.05E+08	-0.25926	0.000622	0
chr3	1.05E+08	1.05E+08	649	856	1.05E+08	-0.20343	0.005496	0
chr3	1.05E+08	1.05E+08	706	924	1.05E+08	-0.19226	0.008086	0
chr3	1.06E+08	1.06E+08	674	909	1.06E+08	-0.23557	0.001649	0
chr3	1.06E+08	1.06E+08	673	880	1.06E+08	-0.19093	0.008457	0
chr3	1.07E+08	1.07E+08	687	905	1.07E+08	-0.20164	0.005853	0
chr3	1.09E+08	1.09E+08	602	801	1.09E+08	-0.21608	0.003479	0
chr3	1.09E+08	1.09E+08	588	783	1.09E+08	-0.21723	0.003333	0
chr3	1.1E+08	1.1E+08	626	829	1.1E+08	-0.20925	0.004466	0
chr3	1.13E+08	1.13E+08	829	830	1.13E+08	0.194224	0.007115	0
chr3	1.14E+08	1.14E+08	751	980	1.14E+08	-0.18801	0.009327	0
chr3	1.15E+08	1.15E+08	768	1017	1.15E+08	-0.20918	0.004477	0
chr3	1.16E+08	1.16E+08	582	812	1.16E+08	-0.2845	0.000203	0

chr3	1.16E+08	1.16E+08	598	817	1.16E+08	-0.25423	0.00077	0
chr3	1.16E+08	1.17E+08	564	772	1.17E+08	-0.25694	0.000687	0
chr3	1.17E+08	1.17E+08	576	787	1.17E+08	-0.25433	0.000767	0
chr3	1.18E+08	1.18E+08	609	798	1.18E+08	-0.19398	0.007627	0
chr3	1.18E+08	1.18E+08	624	818	1.18E+08	-0.19459	0.007471	0
chr3	1.18E+08	1.18E+08	591	819	1.18E+08	-0.27474	0.000316	0
chr3	1.18E+08	1.18E+08	635	837	1.18E+08	-0.20251	0.005678	0
chr3	1.18E+08	1.19E+08	675	881	1.18E+08	-0.18829	0.009239	0
chr3	1.24E+08	1.24E+08	682	684	1.24E+08	0.191738	0.007758	0
chr3	1.26E+08	1.26E+08	1104	1109	1.26E+08	0.189444	0.008396	0
chr3	1.27E+08	1.27E+08	1183	1187	1.27E+08	0.191093	0.007933	0
chr3	1.27E+08	1.27E+08	1187	1131	1.27E+08	0.265684	0.000407	0
chr3	1.27E+08	1.27E+08	1175	1175	1.27E+08	0.195963	0.006694	0
chr3	1.28E+08	1.28E+08	1077	1014	1.28E+08	0.282924	0.000183	0
chr3	1.28E+08	1.28E+08	1095	1029	1.28E+08	0.285651	0.000161	0
chr3	1.28E+08	1.28E+08	891	874	1.28E+08	0.223755	0.002382	0
chr3	1.28E+08	1.28E+08	821	774	1.28E+08	0.281012	0.0002	0
chr3	1.28E+08	1.29E+08	908	866	1.28E+08	0.264288	0.000433	0
chr3	1.29E+08	1.29E+08	1051	1042	1.29E+08	0.20837	0.004278	0
chr3	1.31E+08	1.31E+08	649	867	1.31E+08	-0.22185	0.002804	0
chr3	1.32E+08	1.32E+08	627	830	1.32E+08	-0.20868	0.004557	0
chr3	1.35E+08	1.35E+08	593	809	1.35E+08	-0.25214	0.00084	0
chr3	1.35E+08	1.35E+08	517	681	1.35E+08	-0.20153	0.005877	0
chr3	1.39E+08	1.39E+08	681	911	1.39E+08	-0.22383	0.002601	0
chr3	1.4E+08	1.4E+08	674	898	1.4E+08	-0.218	0.003239	0
chr3	1.4E+08	1.41E+08	768	1032	1.4E+08	-0.2303	0.002028	0
chr3	1.41E+08	1.41E+08	674	936	1.41E+08	-0.2778	0.000276	0
chr3	1.41E+08	1.41E+08	1107	1070	1.41E+08	0.245007	0.001004	0
chr3	1.41E+08	1.41E+08	1097	1089	1.41E+08	0.206523	0.004579	0
chr3	1.42E+08	1.42E+08	775	1012	1.42E+08	-0.18898	0.00903	0
chr3	1.44E+08	1.44E+08	703	918	1.44E+08	-0.18901	0.009021	0
chr3	1.45E+08	1.45E+08	620	825	1.45E+08	-0.21616	0.003468	0
chr3	1.46E+08	1.46E+08	638	850	1.46E+08	-0.21794	0.003246	0
chr3	1.46E+08	1.46E+08	603	821	1.46E+08	-0.24926	0.000947	0
chr3	1.47E+08	1.47E+08	585	766	1.47E+08	-0.19294	0.007901	0
chr3	1.47E+08	1.47E+08	554	752	1.47E+08	-0.24488	0.001134	0
chr3	1.48E+08	1.48E+08	615	809	1.48E+08	-0.19959	0.006288	0
chr3	1.48E+08	1.48E+08	617	819	1.48E+08	-0.21263	0.003949	0
chr3	1.5E+08	1.5E+08	832	1088	1.5E+08	-0.19106	0.008421	0
chr3	1.5E+08	1.5E+08	1000	994	1.5E+08	0.204645	0.004904	0
chr3	1.52E+08	1.52E+08	933	926	1.52E+08	0.206828	0.004528	0
chr3	1.54E+08	1.54E+08	603	793	1.54E+08	-0.1992	0.006374	0
chr3	1.54E+08	1.54E+08	535	709	1.54E+08	-0.21028	0.004301	0
chr3	1.54E+08	1.54E+08	641	841	1.54E+08	-0.19582	0.007163	0
chr3	1.54E+08	1.54E+08	608	876	1.54E+08	-0.3309	2.09E-05	0
chr3	1.54E+08	1.55E+08	605	823	1.54E+08	-0.24799	0.000998	0
chr3	1.55E+08	1.55E+08	633	848	1.55E+08	-0.2259	0.002404	0

chr3	1.57E+08	1.57E+08	627	824	1.57E+08	-0.19822	0.006595	0
chr3	1.57E+08	1.57E+08	677	897	1.57E+08	-0.20999	0.004347	0
chr3	1.59E+08	1.59E+08	772	1030	1.59E+08	-0.22001	0.003005	0
chr3	1.6E+08	1.6E+08	744	729	1.6E+08	0.225347	0.002237	0
chr3	1.61E+08	1.61E+08	570	758	1.61E+08	-0.21527	0.003584	0
chr3	1.61E+08	1.62E+08	590	784	1.62E+08	-0.21418	0.003732	0
chr3	1.62E+08	1.62E+08	575	753	1.62E+08	-0.19312	0.007853	0
chr3	1.62E+08	1.62E+08	519	754	1.62E+08	-0.34287	1.11E-05	0
chr3	1.62E+08	1.62E+08	523	720	1.62E+08	-0.26522	0.000481	0
chr3	1.62E+08	1.62E+08	545	714	1.62E+08	-0.1937	0.0077	0
chr3	1.62E+08	1.63E+08	363	477	1.63E+08	-0.19806	0.006632	0
chr3	1.63E+08	1.63E+08	77	76	1.63E+08	0.214822	0.00336	0
chr3	1.63E+08	1.64E+08	594	786	1.63E+08	-0.2081	0.004653	0
chr3	1.64E+08	1.64E+08	529	706	1.64E+08	-0.22044	0.002957	0
chr3	1.64E+08	1.64E+08	511	706	1.64E+08	-0.27038	0.000384	0
chr3	1.64E+08	1.64E+08	522	703	1.64E+08	-0.23351	0.001789	0
chr3	1.64E+08	1.64E+08	575	778	1.64E+08	-0.24025	0.001369	0
chr3	1.64E+08	1.64E+08	524	687	1.64E+08	-0.19478	0.007423	0
chr3	1.64E+08	1.64E+08	560	742	1.64E+08	-0.21003	0.004341	0
chr3	1.64E+08	1.65E+08	568	787	1.64E+08	-0.27451	0.00032	0
chr3	1.64E+08	1.65E+08	553	753	1.65E+08	-0.24941	0.000942	0
chr3	1.65E+08	1.65E+08	561	734	1.65E+08	-0.19182	0.008209	0
chr3	1.65E+08	1.65E+08	586	795	1.65E+08	-0.24409	0.001172	0
chr3	1.67E+08	1.67E+08	635	828	1.67E+08	-0.18691	0.009672	0
chr3	1.67E+08	1.67E+08	598	796	1.67E+08	-0.21666	0.003405	0
chr3	1.67E+08	1.67E+08	589	772	1.67E+08	-0.19437	0.007527	0
chr3	1.72E+08	1.72E+08	1038	1044	1.72E+08	0.187648	0.008927	0
chr3	1.72E+08	1.72E+08	938	928	1.72E+08	0.211426	0.003818	0
chr3	1.72E+08	1.73E+08	905	886	1.72E+08	0.226574	0.002132	0
chr3	1.72E+08	1.73E+08	897	870	1.73E+08	0.240056	0.001235	0
chr3	1.73E+08	1.73E+08	638	871	1.73E+08	-0.25315	0.000806	0
chr3	1.75E+08	1.75E+08	618	807	1.75E+08	-0.189	0.009023	0
chr3	1.75E+08	1.75E+08	645	848	1.75E+08	-0.1988	0.006463	0
chr3	1.75E+08	1.75E+08	614	837	1.75E+08	-0.25103	0.000881	0
chr3	1.75E+08	1.76E+08	671	910	1.75E+08	-0.24359	0.001196	0
chr3	1.76E+08	1.76E+08	635	875	1.76E+08	-0.26656	0.000454	0
chr3	1.76E+08	1.76E+08	577	752	1.76E+08	-0.1862	0.009903	0
chr3	1.76E+08	1.76E+08	620	818	1.76E+08	-0.20387	0.005411	0
chr3	1.76E+08	1.76E+08	607	793	1.76E+08	-0.18966	0.008826	0
chr3	1.77E+08	1.77E+08	575	805	1.77E+08	-0.28946	0.000161	0
chr3	1.77E+08	1.77E+08	635	842	1.77E+08	-0.2111	0.004176	0
chr3	1.8E+08	1.8E+08	723	955	1.8E+08	-0.20554	0.0051	0
chr3	1.8E+08	1.8E+08	716	975	1.8E+08	-0.24948	0.000939	0
chr3	1.8E+08	1.8E+08	601	788	1.8E+08	-0.19487	0.0074	0
chr3	1.8E+08	1.8E+08	570	750	1.8E+08	-0.19997	0.006206	0
chr3	1.8E+08	1.8E+08	569	748	1.8E+08	-0.19865	0.006498	0
chr3	1.84E+08	1.84E+08	1037	1005	1.84E+08	0.241183	0.001178	0

chr3	1.84E+08	1.84E+08	1041	988	1.84E+08	0.27135	0.000314	0
chr3	1.84E+08	1.84E+08	1100	1068	1.84E+08	0.238555	0.001314	0
chr3	1.84E+08	1.84E+08	1140	1149	1.84E+08	0.184618	0.00989	0
chr3	1.84E+08	1.84E+08	1111	1107	1.84E+08	0.201167	0.005562	0
chr3	1.86E+08	1.86E+08	813	812	1.86E+08	0.197739	0.006287	0
chr3	1.86E+08	1.86E+08	914	920	1.86E+08	0.186523	0.009274	0
chr3	1.89E+08	1.89E+08	763	1022	1.89E+08	-0.22568	0.002424	0
chr3	1.93E+08	1.93E+08	575	750	1.93E+08	-0.18737	0.009527	0
chr3	1.95E+08	1.95E+08	502	655	1.95E+08	-0.18784	0.009377	0
chr3	1.95E+08	1.96E+08	681	686	1.95E+08	0.185409	0.00963	0
chr3	1.95E+08	1.96E+08	806	812	1.96E+08	0.185263	0.009678	0
chr3	1.96E+08	1.96E+08	1037	1030	1.96E+08	0.205735	0.004713	0
chr3	1.96E+08	1.96E+08	889	880	1.96E+08	0.210643	0.003931	0
chr3	1.96E+08	1.96E+08	891	893	1.96E+08	0.192728	0.007496	0
chr3	1.97E+08	1.97E+08	968	954	1.97E+08	0.216981	0.003095	0
chr3	1.97E+08	1.97E+08	1126	1105	1.97E+08	0.223123	0.002441	0
chr3	1.97E+08	1.97E+08	1034	1013	1.97E+08	0.225565	0.002218	0
chr3	1.97E+08	1.97E+08	1082	1032	1.97E+08	0.264221	0.000435	0
chr3	1.97E+08	1.98E+08	898	899	1.98E+08	0.194357	0.007082	0
chr3	1.98E+08	1.98E+08	13	12	1.98E+08	0.31144	4.46E-05	0
chr3	1	100000	85	109	50000	-0.16283	0.020658	0
chr3	50001	150000	341	428	1.00E+05	-0.13188	0.048946	0
chr3	100001	200000	472	594	150000	-0.13571	0.044285	0
chr3	150001	250000	444	571	2.00E+05	-0.16697	0.018232	0
chr3	200001	300000	458	586	250000	-0.15959	0.022745	0
chr3	400001	500000	455	571	450000	-0.13166	0.049218	0
chr3	800001	900000	366	462	850000	-0.14009	0.039418	0
chr3	850001	950000	357	458	9.00E+05	-0.16346	0.020272	0
chr3	1000001	1100000	427	544	1050000	-0.15341	0.027224	0
chr3	1050001	1150000	388	504	1100000	-0.1814	0.011584	0
chr3	1100001	1200000	397	516	1150000	-0.18227	0.011263	0
chr3	1250001	1350000	407	515	1300000	-0.14358	0.035852	0
chr3	1300001	1400000	451	574	1350000	-0.15196	0.028373	0
chr3	1750001	1850000	428	543	1800000	-0.14738	0.032282	0
chr3	1800001	1900000	431	543	1850000	-0.1373	0.042464	0
chr3	2250001	2350000	414	521	2300000	-0.13569	0.044312	0
chr3	2750001	2850000	458	575	2800000	-0.13225	0.048473	0
chr3	3000001	3100000	471	594	3050000	-0.13877	0.040831	0
chr3	3850001	3950000	418	543	3900000	-0.18149	0.011553	0
chr3	4650001	4750000	723	746	4700000	0.150783	0.028454	0
chr3	4750001	4850000	765	791	4800000	0.147745	0.031042	0
chr3	4800001	4900000	758	789	4850000	0.138136	0.040542	0
chr3	4850001	4950000	695	723	4900000	0.13898	0.039621	0
chr3	5050001	5150000	679	699	5100000	0.154082	0.025849	0
chr3	5100001	5200000	599	626	5150000	0.132356	0.047313	0
chr3	5150001	5250000	596	623	5200000	0.132043	0.047704	0
chr3	5350001	5450000	508	651	5400000	-0.16187	0.021261	0

chr3	5400001	5500000	463	583	5450000	-0.13652	0.043351	0
chr3	5600001	5700000	474	613	5650000	-0.17504	0.014198	0
chr3	5650001	5750000	477	603	5700000	-0.14221	0.037222	0
chr3	6200001	6300000	436	568	6250000	-0.1856	0.0101	0
chr3	6400001	6500000	409	522	6450000	-0.15599	0.025273	0
chr3	6500001	6600000	382	485	6550000	-0.14845	0.031331	0
chr3	6650001	6750000	455	580	6700000	-0.15422	0.026593	0
chr3	6700001	6800000	458	578	6750000	-0.13976	0.039767	0
chr3	7150001	7250000	438	550	7200000	-0.13254	0.048115	0
chr3	7350001	7450000	417	543	7400000	-0.18494	0.010321	0
chr3	7650001	7750000	453	571	7700000	-0.13802	0.041664	0
chr3	7700001	7800000	478	612	7750000	-0.16056	0.022103	0
chr3	7850001	7950000	427	555	7900000	-0.18229	0.011256	0
chr3	8050001	8150000	415	536	8100000	-0.17316	0.01506	0
chr3	8100001	8200000	442	559	8150000	-0.14284	0.036586	0
chr3	8900001	9000000	532	682	8950000	-0.16238	0.020936	0
chr3	9250001	9350000	596	618	9300000	0.143669	0.034819	0
chr3	9300001	9400000	571	589	9350000	0.151186	0.028124	0
chr3	9350001	9450000	609	617	9400000	0.177135	0.012668	0
chr3	9400001	9500000	615	627	9450000	0.168084	0.016911	0
chr3	9450001	9550000	631	645	9500000	0.164304	0.019015	0
chr3	9950001	10050000	870	882	1.00E+07	0.1762	0.013059	0
chr3	10550001	10650000	741	758	10600000	0.163239	0.019647	0
chr3	10700001	10800000	676	692	10750000	0.162214	0.020271	0
chr3	11100001	11200000	687	698	11150000	0.173046	0.014455	0
chr3	11150001	11250000	736	752	11200000	0.164936	0.018648	0
chr3	11800001	11900000	646	661	11850000	0.162847	0.019883	0
chr3	11850001	11950000	490	501	11900000	0.163934	0.019232	0
chr3	12150001	12250000	732	751	12200000	0.158994	0.022344	0
chr3	12500001	12600000	684	712	12550000	0.138082	0.040601	0
chr3	12800001	12900000	632	640	12850000	0.177816	0.01239	0
chr3	13000001	13100000	807	834	13050000	0.148484	0.030395	0
chr3	13200001	13300000	716	741	13250000	0.146449	0.032204	0
chr3	13250001	13350000	719	744	13300000	0.146652	0.03202	0
chr3	13350001	13450000	737	746	13400000	0.178452	0.012135	0
chr3	13500001	13600000	761	770	13550000	0.179001	0.011919	0
chr3	14050001	14150000	463	597	14100000	-0.17076	0.01623	0
chr3	14200001	14300000	728	751	14250000	0.151089	0.028204	0
chr3	14550001	14650000	781	802	14600000	0.157683	0.023237	0
chr3	14700001	14800000	554	709	14750000	-0.15994	0.022513	0
chr3	15100001	15200000	531	553	15150000	0.137395	0.041362	0
chr3	15200001	15300000	543	690	15250000	-0.14968	0.030265	0
chr3	15300001	15400000	714	742	15350000	0.140468	0.038042	0
chr3	15900001	16000000	535	680	15950000	-0.15003	0.029966	0
chr3	15950001	16050000	495	630	1.60E+07	-0.15196	0.028373	0
chr3	16500001	16600000	522	679	16550000	-0.1834	0.010856	0
chr3	17300001	17400000	455	591	17350000	-0.18133	0.011612	0



chr3	17350001	17450000	450	578	17400000	-0.16518	0.019248	0
chr3	17400001	17500000	457	578	17450000	-0.14291	0.036513	0
chr3	17500001	17600000	448	582	17550000	-0.18156	0.011526	0
chr3	17850001	17950000	528	546	17900000	0.1476	0.03117	0
chr3	18050001	18150000	488	615	18100000	-0.13774	0.041969	0
chr3	18200001	18300000	476	607	18250000	-0.15477	0.026176	0
chr3	18500001	18600000	443	561	18550000	-0.14473	0.034738	0
chr3	18850001	18950000	434	560	18900000	-0.17177	0.015728	0
chr3	19400001	19500000	427	545	19450000	-0.15606	0.025221	0
chr3	20150001	20250000	473	597	20200000	-0.13993	0.039587	0
chr3	20550001	20650000	417	530	20600000	-0.14998	0.030009	0
chr3	20650001	20750000	376	487	20700000	-0.17723	0.013246	0
chr3	20850001	20950000	382	496	20900000	-0.1808	0.01181	0
chr3	20900001	21000000	403	524	20950000	-0.18282	0.011062	0
chr3	21100001	21200000	434	444	21150000	0.163098	0.019731	0
chr3	21900001	22000000	439	559	21950000	-0.15266	0.027809	0
chr3	22000001	22100000	370	472	22050000	-0.1553	0.025781	0
chr3	22100001	22200000	402	521	22150000	-0.17812	0.012872	0
chr3	22150001	22250000	394	495	22200000	-0.13327	0.047209	0
chr3	22300001	22400000	430	554	22350000	-0.16959	0.016827	0
chr3	22600001	22700000	391	500	22650000	-0.1588	0.023282	0
chr3	22650001	22750000	403	513	22700000	-0.15222	0.028167	0
chr3	23000001	23100000	457	579	23050000	-0.14541	0.034097	0
chr3	23450001	23550000	614	638	23500000	0.140645	0.037858	0
chr3	23550001	23650000	547	572	23600000	0.131489	0.048404	0
chr3	23950001	24050000	577	588	2.40E+07	0.168718	0.016579	0
chr3	24100001	24200000	518	664	24150000	-0.16227	0.021008	0
chr3	25300001	25400000	522	656	25350000	-0.13368	0.046704	0
chr3	26450001	26550000	432	553	26500000	-0.16029	0.022283	0
chr3	26600001	26700000	495	625	26650000	-0.14046	0.039018	0
chr3	26750001	26850000	388	505	26800000	-0.18426	0.010553	0
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chr3	27200001	27300000	476	616	27250000	-0.17601	0.013769	0
chr3	27600001	27700000	462	581	27650000	-0.13468	0.0455	0
chr3	27750001	27850000	529	686	27800000	-0.17898	0.012525	0
chr3	28050001	28150000	526	532	28100000	0.1796	0.011686	0
chr3	29600001	29700000	473	602	29650000	-0.15196	0.028373	0
chr3	29800001	29900000	453	579	29850000	-0.15809	0.02377	0
chr3	30000001	30100000	419	438	30050000	0.131982	0.047781	0
chr3	31150001	31250000	507	640	31200000	-0.14012	0.039379	0
chr3	31200001	31300000	507	659	31250000	-0.18233	0.011241	0
chr3	31650001	31750000	568	715	31700000	-0.13609	0.043848	0
chr3	31700001	31800000	540	694	31750000	-0.16601	0.018769	0
chr3	32050001	32150000	437	567	32100000	-0.17975	0.012218	0
chr3	32200001	32300000	593	616	32250000	0.141065	0.037423	0
chr3	32300001	32400000	490	627	32350000	-0.15972	0.022657	0
chr3	32350001	32450000	524	658	32400000	-0.13256	0.04809	0

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chr3	33000001	33100000	500	639	33050000	-0.15792	0.023885	0
chr3	34400001	34500000	416	536	34450000	-0.16969	0.016775	0
chr3	34600001	34700000	395	508	34650000	-0.16701	0.018207	0
chr3	34650001	34750000	384	491	34700000	-0.15865	0.02338	0
chr3	34700001	34800000	397	508	34750000	-0.15973	0.022653	0
chr3	34850001	34950000	418	534	34900000	-0.15737	0.024273	0
chr3	35500001	35600000	378	476	35550000	-0.13661	0.043246	0
chr3	35700001	35800000	497	519	35750000	0.133474	0.045937	0
chr3	35900001	36000000	416	532	35950000	-0.15888	0.023225	0
chr3	36500001	36600000	418	537	36550000	-0.16546	0.019089	0
chr3	38000001	38100000	678	694	38050000	0.162313	0.02021	0
chr3	38450001	38550000	606	630	38500000	0.139929	0.038608	0
chr3	39200001	39300000	663	693	39250000	0.132117	0.047612	0
chr3	39250001	39350000	624	645	39300000	0.14821	0.030634	0
chr3	39350001	39450000	521	541	39400000	0.141618	0.036857	0
chr3	39400001	39500000	551	564	39450000	0.16232	0.020205	0
chr3	39850001	39950000	413	519	39900000	-0.13363	0.046769	0
chr3	40000001	40100000	389	499	40050000	-0.16331	0.020365	0
chr3	41550001	41650000	439	553	41600000	-0.1371	0.042696	0
chr3	41750001	41850000	438	551	41800000	-0.13516	0.044936	0
chr3	41800001	41900000	373	472	41850000	-0.14365	0.035786	0
chr3	41950001	42050000	506	521	4.20E+07	0.153817	0.026051	0
chr3	42000001	42100000	597	619	42050000	0.143755	0.034735	0
chr3	42250001	42350000	542	565	42300000	0.136005	0.04294	0
chr3	43000001	43100000	573	737	43050000	-0.16717	0.018122	0
chr3	43300001	43400000	603	613	43350000	0.172234	0.014834	0
chr3	43650001	43750000	566	588	43700000	0.140949	0.037543	0
chr3	43700001	43800000	550	575	43750000	0.131833	0.047969	0
chr3	43750001	43850000	622	650	43800000	0.132438	0.047211	0
chr3	44000001	44100000	649	675	44050000	0.139294	0.039284	0
chr3	44150001	44250000	538	696	44200000	-0.17552	0.013984	0
chr3	44200001	44300000	519	675	44250000	-0.18319	0.01093	0
chr3	44300001	44400000	555	577	44350000	0.139879	0.038661	0
chr3	45650001	45750000	621	638	45700000	0.157	0.023715	0
chr3	45700001	45800000	633	643	45750000	0.17335	0.014315	0
chr3	45800001	45900000	702	716	45850000	0.167474	0.017236	0
chr3	46150001	46250000	574	589	46200000	0.158746	0.022511	0
chr3	46750001	46850000	430	435	46800000	0.179284	0.011808	0
chr3	47000001	47100000	729	751	47050000	0.153069	0.026627	0
chr3	47150001	47250000	544	563	47200000	0.146435	0.032217	0
chr3	47200001	47300000	568	578	47250000	0.170784	0.015533	0
chr3	47250001	47350000	646	656	47300000	0.173801	0.014109	0
chr3	47400001	47500000	685	703	47450000	0.158542	0.022648	0
chr3	47450001	47550000	626	640	47500000	0.164054	0.019162	0
chr3	47500001	47600000	595	617	47550000	0.143582	0.034903	0
chr3	47550001	47650000	685	692	47600000	0.181295	0.01105	0

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chr3	48450001	48550000	719	745	48500000	0.144714	0.033816	0
chr3	48850001	48950000	520	543	48900000	0.133522	0.045878	0
chr3	48900001	49000000	545	561	48950000	0.154218	0.025746	0
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chr3	49250001	49350000	502	508	49300000	0.178822	0.011989	0
chr3	49300001	49400000	571	581	49350000	0.170916	0.015469	0
chr3	49350001	49450000	569	577	49400000	0.17582	0.01322	0
chr3	49500001	49600000	628	656	49550000	0.133032	0.046478	0
chr3	49900001	50000000	677	706	49950000	0.135451	0.043583	0
chr3	50100001	50200000	670	701	50150000	0.13071	0.0494	0
chr3	50500001	50600000	852	864	50550000	0.175785	0.013236	0
chr3	50550001	50650000	861	873	50600000	0.175995	0.013146	0
chr3	51150001	51250000	400	518	51200000	-0.17699	0.013347	0
chr3	51200001	51300000	453	579	51250000	-0.15809	0.02377	0
chr3	51250001	51350000	468	590	51300000	-0.13824	0.041413	0
chr3	51450001	51550000	514	531	51500000	0.14902	0.029933	0
chr3	51500001	51600000	541	547	51550000	0.180051	0.011514	0
chr3	51550001	51650000	514	521	51600000	0.176448	0.012954	0
chr3	51650001	51750000	714	727	51700000	0.169932	0.015958	0
chr3	51800001	51900000	537	695	51850000	-0.17613	0.013716	0
chr3	51900001	52000000	666	675	51950000	0.176598	0.012891	0
chr3	52100001	52200000	803	831	52150000	0.146515	0.032145	0
chr3	52300001	52400000	805	817	52350000	0.174616	0.013745	0
chr3	52500001	52600000	776	789	52550000	0.171994	0.014948	0
chr3	52650001	52750000	667	681	52700000	0.165995	0.018048	0
chr3	53450001	53550000	599	614	53500000	0.16028	0.021495	0
chr3	53800001	53900000	744	763	53850000	0.159583	0.021952	0
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chr3	54000001	54100000	535	686	54050000	-0.16271	0.020735	0
chr3	54100001	54200000	679	704	54150000	0.143799	0.034692	0
chr3	54300001	54400000	583	606	54350000	0.140141	0.038385	0
chr3	54350001	54450000	590	611	54400000	0.145506	0.033072	0
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chr3	54600001	54700000	540	685	54650000	-0.14718	0.032459	0
chr3	54900001	55000000	545	691	54950000	-0.14647	0.033111	0
chr3	56850001	56950000	563	709	56900000	-0.13669	0.04316	0
chr3	57400001	57500000	457	579	57450000	-0.14541	0.034097	0
chr3	57600001	57700000	568	594	57650000	0.131391	0.048528	0
chr3	57900001	58000000	673	681	57950000	0.178915	0.011952	0
chr3	58200001	58300000	642	667	58250000	0.14085	0.037646	0
chr3	58550001	58650000	631	798	58600000	-0.14279	0.036639	0
chr3	58950001	59050000	406	512	5.90E+07	-0.1387	0.04091	0
chr3	59150001	59250000	397	517	59200000	-0.18506	0.01028	0
chr3	59700001	59800000	467	587	59750000	-0.13397	0.04635	0
chr3	59750001	59850000	480	611	59800000	-0.15217	0.0282	0

chr3	60250001	60350000	428	540	60300000	-0.13939	0.040167	0
chr3	60350001	60450000	411	516	60400000	-0.13227	0.048451	0
chr3	60550001	60650000	199	252	60600000	-0.14469	0.034775	0
chr3	60650001	60750000	327	418	60700000	-0.15825	0.023659	0
chr3	60700001	60800000	286	361	60750000	-0.14002	0.039488	0
chr3	60850001	60950000	177	229	60900000	-0.17564	0.013932	0
chr3	61200001	61300000	419	530	61250000	-0.14308	0.036347	0
chr3	61450001	61550000	420	530	61500000	-0.13964	0.039894	0
chr3	61550001	61650000	442	564	61600000	-0.15569	0.025494	0
chr3	61850001	61950000	458	590	61900000	-0.1694	0.016921	0
chr3	62000001	62100000	420	527	62050000	-0.13145	0.049486	0
chr3	62500001	62600000	498	632	62550000	-0.14782	0.03189	0
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chr3	62800001	62900000	461	585	62850000	-0.14771	0.031988	0
chr3	63350001	63450000	469	593	63400000	-0.14248	0.036944	0
chr3	63500001	63600000	440	571	63550000	-0.18002	0.012111	0
chr3	63700001	63800000	386	487	63750000	-0.13936	0.040197	0
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chr3	64050001	64150000	429	558	64100000	-0.18332	0.010882	0
chr3	64550001	64650000	454	589	64600000	-0.17961	0.012273	0
chr3	64700001	64800000	451	581	64750000	-0.16945	0.016899	0
chr3	64750001	64850000	438	562	64800000	-0.16368	0.020141	0
chr3	65000001	65100000	436	556	65050000	-0.15479	0.02616	0
chr3	65300001	65400000	476	604	65350000	-0.14762	0.032062	0
chr3	66600001	66700000	476	609	66650000	-0.15952	0.022793	0
chr3	66650001	66750000	493	625	66700000	-0.14631	0.033259	0
chr3	66900001	67000000	436	568	66950000	-0.1856	0.0101	0
chr3	66950001	67050000	491	621	6.70E+07	-0.14291	0.036518	0
chr3	67200001	67300000	444	573	67250000	-0.17201	0.015609	0
chr3	67300001	67400000	443	559	67350000	-0.13958	0.03996	0
chr3	67850001	67950000	464	596	67900000	-0.16522	0.019223	0
chr3	68000001	68100000	457	574	68050000	-0.13289	0.047673	0
chr3	68550001	68650000	424	537	68600000	-0.14489	0.034581	0
chr3	68600001	68700000	384	495	68650000	-0.17036	0.01643	0
chr3	68950001	69050000	511	660	6.90E+07	-0.17318	0.01505	0
chr3	69100001	69200000	609	632	69150000	0.142481	0.035988	0
chr3	69400001	69500000	511	662	69450000	-0.17754	0.013112	0
chr3	69450001	69550000	509	642	69500000	-0.13894	0.040644	0
chr3	70050001	70150000	492	628	70100000	-0.15614	0.025158	0
chr3	70100001	70200000	515	663	70150000	-0.16847	0.017412	0
chr3	70450001	70550000	420	527	70500000	-0.13145	0.049486	0
chr3	70550001	70650000	514	668	70600000	-0.18212	0.011319	0
chr3	70900001	71000000	501	642	70950000	-0.1618	0.021303	0
chr3	72400001	72500000	620	635	72450000	0.161475	0.020732	0
chr3	72650001	72750000	625	645	72700000	0.15052	0.02867	0
chr3	72750001	72850000	503	517	72800000	0.156357	0.024172	0
chr3	73700001	73800000	441	559	73750000	-0.14611	0.033443	0

chr3	73800001	73900000	395	513	73850000	-0.18114	0.011682	0
chr3	74050001	74150000	458	587	74100000	-0.16205	0.021145	0
chr3	74100001	74200000	418	540	74150000	-0.17349	0.014903	0
chr3	74200001	74300000	379	484	74250000	-0.15685	0.024649	0
chr3	74800001	74900000	381	478	74850000	-0.13126	0.049734	0
chr3	74850001	74950000	373	468	74900000	-0.13137	0.049589	0
chr3	75000001	75100000	355	452	75050000	-0.15254	0.027907	0
chr3	75050001	75150000	357	449	75100000	-0.13483	0.045326	0
chr3	75350001	75450000	199	256	75400000	-0.16741	0.017987	0
chr3	75650001	75750000	666	856	75700000	-0.16613	0.018705	0
chr3	75700001	75800000	932	1171	75750000	-0.13338	0.047079	0
chr3	75900001	76000000	266	337	75950000	-0.14536	0.034141	0
chr3	76100001	76200000	414	523	76150000	-0.14122	0.038233	0
chr3	76350001	76450000	422	548	76400000	-0.18097	0.011747	0
chr3	76700001	76800000	412	531	76750000	-0.1701	0.01656	0
chr3	76750001	76850000	409	517	76800000	-0.1421	0.037329	0
chr3	76800001	76900000	436	553	76850000	-0.14699	0.032634	0
chr3	76850001	76950000	455	580	76900000	-0.15422	0.026593	0
chr3	76900001	77000000	464	589	76950000	-0.14818	0.031568	0
chr3	77150001	77250000	426	538	77200000	-0.14079	0.038678	0
chr3	77450001	77550000	471	601	77500000	-0.15567	0.025502	0
chr3	77550001	77650000	457	586	77600000	-0.16274	0.020712	0
chr3	78100001	78200000	466	600	78150000	-0.16867	0.017308	0
chr3	78350001	78450000	440	559	78400000	-0.14938	0.030521	0
chr3	78400001	78500000	470	612	78450000	-0.18491	0.010333	0
chr3	78750001	78850000	539	545	78800000	0.179992	0.011536	0
chr3	79050001	79150000	529	552	79100000	0.134562	0.044628	0
chr3	79150001	79250000	447	562	79200000	-0.13433	0.045919	0
chr3	79250001	79350000	451	572	79300000	-0.14692	0.032692	0
chr3	79650001	79750000	407	513	79700000	-0.13797	0.041719	0
chr3	79750001	79850000	390	494	79800000	-0.14507	0.034411	0
chr3	79900001	80000000	471	611	79950000	-0.17948	0.012324	0
chr3	80550001	80650000	430	542	80600000	-0.13799	0.04169	0
chr3	80600001	80700000	402	516	80650000	-0.16421	0.019819	0
chr3	80650001	80750000	396	510	80700000	-0.16903	0.017115	0
chr3	80700001	80800000	392	496	80750000	-0.14352	0.035908	0
chr3	81000001	81100000	411	520	81050000	-0.14341	0.036019	0
chr3	81850001	81950000	481	604	81900000	-0.13255	0.048102	0
chr3	81900001	82000000	479	623	81950000	-0.18324	0.010911	0
chr3	82600001	82700000	388	498	82650000	-0.16413	0.01987	0
chr3	83050001	83150000	400	517	83100000	-0.1742	0.014576	0
chr3	83150001	83250000	353	448	83200000	-0.14787	0.031844	0
chr3	83400001	83500000	399	511	83450000	-0.16097	0.021834	0
chr3	83700001	83800000	373	468	83750000	-0.13137	0.049589	0
chr3	84350001	84450000	354	449	84400000	-0.147	0.032621	0
chr3	84750001	84850000	380	491	84800000	-0.17376	0.014779	0
chr3	85000001	85100000	391	493	85050000	-0.13846	0.041179	0

chr3	85100001	85200000	357	465	85150000	-0.18534	0.010186	0
chr3	85350001	85450000	375	488	85400000	-0.18403	0.010635	0
chr3	86100001	86200000	362	465	86150000	-0.16528	0.019192	0
chr3	86200001	86300000	414	532	86250000	-0.16583	0.018872	0
chr3	86250001	86350000	394	509	86300000	-0.17351	0.014897	0
chr3	86750001	86850000	405	517	86800000	-0.15628	0.025059	0
chr3	87050001	87150000	416	537	87100000	-0.17238	0.015433	0
chr3	87400001	87500000	438	570	87450000	-0.18407	0.010621	0
chr3	87750001	87850000	413	530	87800000	-0.16389	0.020013	0
chr3	88200001	88300000	437	549	88250000	-0.13321	0.047283	0
chr3	88600001	88700000	381	490	88650000	-0.16703	0.018199	0
chr3	88650001	88750000	401	519	88700000	-0.17617	0.013698	0
chr3	89150001	89250000	401	506	89200000	-0.13957	0.039967	0
chr3	89600001	89700000	386	500	89650000	-0.17736	0.013188	0
chr3	89650001	89750000	386	487	89700000	-0.13936	0.040197	0
chr3	89900001	90000000	302	390	89950000	-0.17296	0.015153	0
chr3	90150001	90250000	213	276	90200000	-0.17785	0.012985	0
chr3	93800001	93900000	717	907	93850000	-0.14317	0.03626	0
chr3	94100001	94200000	613	787	94150000	-0.16451	0.01964	0
chr3	94700001	94800000	527	671	94750000	-0.15255	0.027902	0
chr3	94800001	94900000	571	729	94850000	-0.15647	0.024924	0
chr3	95200001	95300000	360	456	95250000	-0.14507	0.034411	0
chr3	95450001	95550000	317	409	95500000	-0.17165	0.015783	0
chr3	95900001	96000000	402	520	95950000	-0.17535	0.014057	0
chr3	96200001	96300000	362	469	96250000	-0.17764	0.013075	0
chr3	96450001	96550000	402	523	96500000	-0.18365	0.010767	0
chr3	96500001	96600000	416	528	96550000	-0.14799	0.031734	0
chr3	96550001	96650000	387	489	96600000	-0.14154	0.037903	0
chr3	96800001	96900000	405	526	96850000	-0.18118	0.011669	0
chr3	97100001	97200000	441	558	97150000	-0.14352	0.035908	0
chr3	97150001	97250000	415	531	97200000	-0.15964	0.022713	0
chr3	97300001	97400000	416	528	97350000	-0.14799	0.031734	0
chr3	97800001	97900000	372	474	97850000	-0.15362	0.027057	0
chr3	97900001	98000000	366	465	97950000	-0.14942	0.030485	0
chr3	98100001	98200000	393	495	98150000	-0.13694	0.042877	0
chr3	98900001	99000000	464	601	98950000	-0.17728	0.013225	0
chr3	99300001	99400000	765	981	99350000	-0.16283	0.020658	0
chr3	1E+08	1E+08	914	947	1E+08	0.144793	0.033741	0
chr3	1E+08	1E+08	824	846	1E+08	0.15795	0.023053	0
chr3	1.01E+08	1.01E+08	633	799	1.01E+08	-0.14003	0.039481	0
chr3	1.02E+08	1.02E+08	713	912	1.02E+08	-0.15917	0.023029	0
chr3	1.02E+08	1.02E+08	757	966	1.02E+08	-0.15577	0.025434	0
chr3	1.02E+08	1.03E+08	670	861	1.03E+08	-0.16589	0.01884	0
chr3	1.03E+08	1.03E+08	649	817	1.03E+08	-0.13615	0.043772	0
chr3	1.03E+08	1.03E+08	665	845	1.03E+08	-0.14963	0.030305	0
chr3	1.03E+08	1.03E+08	532	675	1.03E+08	-0.1475	0.032174	0
chr3	1.03E+08	1.03E+08	572	720	1.03E+08	-0.13602	0.04393	0

chr3	1.03E+08	1.04E+08	642	812	1.04E+08	-0.14294	0.036482	0
chr3	1.04E+08	1.04E+08	677	863	1.04E+08	-0.15424	0.026579	0
chr3	1.04E+08	1.04E+08	658	845	1.04E+08	-0.1649	0.019412	0
chr3	1.04E+08	1.04E+08	625	794	1.04E+08	-0.14932	0.030574	0
chr3	1.04E+08	1.04E+08	600	775	1.04E+08	-0.17327	0.015008	0
chr3	1.04E+08	1.04E+08	663	834	1.04E+08	-0.13508	0.045033	0
chr3	1.04E+08	1.04E+08	575	722	1.04E+08	-0.13247	0.048195	0
chr3	1.05E+08	1.05E+08	682	887	1.05E+08	-0.1832	0.010927	0
chr3	1.05E+08	1.05E+08	682	863	1.05E+08	-0.14363	0.035808	0
chr3	1.05E+08	1.05E+08	756	977	1.05E+08	-0.17401	0.014664	0
chr3	1.06E+08	1.06E+08	670	870	1.06E+08	-0.18089	0.011777	0
chr3	1.06E+08	1.06E+08	653	845	1.06E+08	-0.17591	0.013813	0
chr3	1.07E+08	1.07E+08	651	831	1.07E+08	-0.15623	0.025096	0
chr3	1.08E+08	1.08E+08	890	927	1.08E+08	0.137199	0.041582	0
chr3	1.09E+08	1.09E+08	676	864	1.09E+08	-0.15805	0.023801	0
chr3	1.09E+08	1.09E+08	668	870	1.09E+08	-0.1852	0.010232	0
chr3	1.09E+08	1.1E+08	587	737	1.09E+08	-0.13234	0.048361	0
chr3	1.09E+08	1.1E+08	562	719	1.1E+08	-0.15946	0.022833	0
chr3	1.1E+08	1.1E+08	640	826	1.1E+08	-0.17211	0.015563	0
chr3	1.1E+08	1.1E+08	648	830	1.1E+08	-0.16115	0.021716	0
chr3	1.1E+08	1.1E+08	626	791	1.1E+08	-0.14155	0.037888	0
chr3	1.1E+08	1.11E+08	772	803	1.11E+08	0.139164	0.039424	0
chr3	1.11E+08	1.11E+08	652	829	1.11E+08	-0.15054	0.029542	0
chr3	1.11E+08	1.11E+08	674	860	1.11E+08	-0.15563	0.025539	0
chr3	1.11E+08	1.11E+08	793	999	1.11E+08	-0.1372	0.042577	0
chr3	1.12E+08	1.12E+08	1046	1075	1.12E+08	0.156509	0.024063	0
chr3	1.12E+08	1.12E+08	729	919	1.12E+08	-0.13818	0.04148	0
chr3	1.12E+08	1.12E+08	803	818	1.12E+08	0.169262	0.016298	0
chr3	1.12E+08	1.12E+08	710	737	1.12E+08	0.142117	0.036352	0
chr3	1.12E+08	1.13E+08	730	918	1.13E+08	-0.13463	0.045557	0
chr3	1.14E+08	1.14E+08	753	972	1.14E+08	-0.17234	0.015449	0
chr3	1.14E+08	1.14E+08	906	927	1.14E+08	0.162905	0.019848	0
chr3	1.16E+08	1.16E+08	684	873	1.16E+08	-0.15602	0.025246	0
chr3	1.16E+08	1.16E+08	612	775	1.16E+08	-0.1447	0.034766	0
chr3	1.17E+08	1.17E+08	598	765	1.17E+08	-0.15935	0.022905	0
chr3	1.17E+08	1.17E+08	627	811	1.17E+08	-0.17527	0.014092	0
chr3	1.17E+08	1.18E+08	672	859	1.17E+08	-0.15823	0.02367	0
chr3	1.18E+08	1.18E+08	634	804	1.18E+08	-0.14675	0.032852	0
chr3	1.18E+08	1.18E+08	619	784	1.18E+08	-0.14495	0.034528	0
chr3	1.18E+08	1.18E+08	640	824	1.18E+08	-0.16861	0.01734	0
chr3	1.18E+08	1.19E+08	703	915	1.19E+08	-0.18428	0.010546	0
chr3	1.19E+08	1.19E+08	593	744	1.19E+08	-0.13131	0.049669	0
chr3	1.19E+08	1.19E+08	707	892	1.19E+08	-0.13937	0.040183	0
chr3	1.2E+08	1.2E+08	884	914	1.2E+08	0.147815	0.03098	0
chr3	1.22E+08	1.22E+08	648	834	1.22E+08	-0.16809	0.017618	0
chr3	1.22E+08	1.22E+08	893	916	1.22E+08	0.159276	0.022156	0
chr3	1.22E+08	1.22E+08	827	849	1.22E+08	0.158086	0.02296	0

chr3	1.22E+08	1.23E+08	920	932	1.23E+08	0.177267	0.012614	0
chr3	1.23E+08	1.23E+08	917	956	1.23E+08	0.135874	0.043091	0
chr3	1.23E+08	1.23E+08	1002	1045	1.23E+08	0.135343	0.043709	0
chr3	1.23E+08	1.24E+08	897	933	1.23E+08	0.139194	0.039392	0
chr3	1.24E+08	1.24E+08	788	814	1.24E+08	0.14913	0.029839	0
chr3	1.25E+08	1.25E+08	1045	1078	1.25E+08	0.151109	0.028187	0
chr3	1.25E+08	1.25E+08	980	1019	1.25E+08	0.139663	0.038891	0
chr3	1.25E+08	1.25E+08	784	820	1.25E+08	0.131193	0.04878	0
chr3	1.25E+08	1.25E+08	824	850	1.25E+08	0.151145	0.028158	0
chr3	1.25E+08	1.25E+08	538	554	1.25E+08	0.153683	0.026153	0
chr3	1.26E+08	1.26E+08	232	242	1.26E+08	0.135081	0.044016	0
chr3	1.26E+08	1.26E+08	987	997	1.26E+08	0.18142	0.011005	0
chr3	1.26E+08	1.26E+08	954	996	1.26E+08	0.133807	0.045534	0
chr3	1.26E+08	1.26E+08	984	1021	1.26E+08	0.14271	0.035759	0
chr3	1.26E+08	1.26E+08	1038	1049	1.26E+08	0.180755	0.01125	0
chr3	1.26E+08	1.26E+08	1027	1069	1.26E+08	0.138137	0.04054	0
chr3	1.26E+08	1.26E+08	1139	1170	1.26E+08	0.157222	0.023559	0
chr3	1.26E+08	1.26E+08	1023	1068	1.26E+08	0.133858	0.045472	0
chr3	1.27E+08	1.27E+08	1274	1298	1.27E+08	0.169038	0.016413	0
chr3	1.27E+08	1.27E+08	1174	1219	1.27E+08	0.141697	0.036776	0
chr3	1.28E+08	1.28E+08	999	1042	1.28E+08	0.135164	0.043917	0
chr3	1.28E+08	1.28E+08	1246	1270	1.28E+08	0.168439	0.016724	0
chr3	1.28E+08	1.28E+08	1122	1139	1.28E+08	0.174268	0.013899	0
chr3	1.28E+08	1.28E+08	1024	1065	1.28E+08	0.139325	0.039251	0
chr3	1.28E+08	1.29E+08	924	951	1.29E+08	0.154411	0.025601	0
chr3	1.29E+08	1.29E+08	916	951	1.29E+08	0.141865	0.036606	0
chr3	1.29E+08	1.29E+08	861	882	1.29E+08	0.161198	0.020907	0
chr3	1.29E+08	1.29E+08	914	954	1.29E+08	0.134168	0.045099	0
chr3	1.29E+08	1.29E+08	915	944	1.29E+08	0.150948	0.028319	0
chr3	1.29E+08	1.29E+08	880	920	1.29E+08	0.131833	0.047969	0
chr3	1.29E+08	1.29E+08	1028	1059	1.29E+08	0.153101	0.026602	0
chr3	1.29E+08	1.3E+08	870	908	1.3E+08	0.134286	0.044958	0
chr3	1.32E+08	1.32E+08	625	805	1.32E+08	-0.16917	0.017044	0
chr3	1.33E+08	1.33E+08	643	810	1.33E+08	-0.13714	0.042646	0
chr3	1.33E+08	1.33E+08	903	914	1.33E+08	0.178495	0.012118	0
chr3	1.35E+08	1.35E+08	746	972	1.35E+08	-0.18582	0.010028	0
chr3	1.35E+08	1.35E+08	616	788	1.35E+08	-0.1593	0.022938	0
chr3	1.35E+08	1.36E+08	714	897	1.35E+08	-0.13322	0.047269	0
chr3	1.36E+08	1.36E+08	719	747	1.36E+08	0.140847	0.037649	0
chr3	1.36E+08	1.36E+08	681	872	1.36E+08	-0.16071	0.022004	0
chr3	1.37E+08	1.37E+08	852	875	1.37E+08	0.157533	0.023342	0
chr3	1.37E+08	1.37E+08	788	990	1.37E+08	-0.13327	0.047209	0
chr3	1.37E+08	1.37E+08	692	884	1.37E+08	-0.15731	0.024317	0
chr3	1.37E+08	1.37E+08	568	718	1.37E+08	-0.14213	0.037299	0
chr3	1.37E+08	1.37E+08	627	794	1.37E+08	-0.14471	0.034757	0
chr3	1.38E+08	1.38E+08	695	724	1.38E+08	0.136986	0.041822	0
chr3	1.39E+08	1.4E+08	688	877	1.4E+08	-0.15421	0.026607	0



chr3	1.4E+08	1.4E+08	698	892	1.4E+08	-0.15785	0.023935	0
chr3	1.4E+08	1.4E+08	693	891	1.4E+08	-0.16661	0.018434	0
chr3	1.4E+08	1.4E+08	708	912	1.4E+08	-0.16932	0.016965	0
chr3	1.41E+08	1.41E+08	733	932	1.41E+08	-0.15055	0.029528	0
chr3	1.41E+08	1.41E+08	1055	1088	1.41E+08	0.151527	0.027848	0
chr3	1.42E+08	1.42E+08	859	866	1.42E+08	0.184254	0.010012	0
chr3	1.42E+08	1.42E+08	756	976	1.42E+08	-0.17253	0.015358	0
chr3	1.42E+08	1.43E+08	775	975	1.43E+08	-0.13524	0.044836	0
chr3	1.43E+08	1.43E+08	883	916	1.43E+08	0.143029	0.035445	0
chr3	1.44E+08	1.44E+08	669	845	1.44E+08	-0.14098	0.038477	0
chr3	1.44E+08	1.44E+08	657	854	1.44E+08	-0.18238	0.011223	0
chr3	1.44E+08	1.44E+08	650	836	1.44E+08	-0.1671	0.018159	0
chr3	1.44E+08	1.44E+08	675	871	1.44E+08	-0.17182	0.015702	0
chr3	1.45E+08	1.45E+08	630	791	1.45E+08	-0.13236	0.048334	0
chr3	1.45E+08	1.46E+08	627	816	1.46E+08	-0.18414	0.010596	0
chr3	1.46E+08	1.46E+08	618	802	1.46E+08	-0.18003	0.012108	0
chr3	1.46E+08	1.46E+08	617	803	1.46E+08	-0.18417	0.010587	0
chr3	1.47E+08	1.48E+08	572	727	1.47E+08	-0.14998	0.030013	0
chr3	1.48E+08	1.48E+08	636	802	1.48E+08	-0.13861	0.041007	0
chr3	1.48E+08	1.48E+08	628	817	1.48E+08	-0.18361	0.010782	0
chr3	1.48E+08	1.48E+08	602	773	1.48E+08	-0.16474	0.019505	0
chr3	1.48E+08	1.49E+08	706	890	1.48E+08	-0.13817	0.041489	0
chr3	1.48E+08	1.49E+08	701	890	1.49E+08	-0.14843	0.031349	0
chr3	1.5E+08	1.5E+08	795	1007	1.5E+08	-0.14507	0.034411	0
chr3	1.51E+08	1.51E+08	765	965	1.51E+08	-0.13911	0.040469	0
chr3	1.51E+08	1.51E+08	579	746	1.51E+08	-0.16965	0.016794	0
chr3	1.51E+08	1.52E+08	657	825	1.52E+08	-0.13254	0.048115	0
chr3	1.52E+08	1.52E+08	877	914	1.52E+08	0.136346	0.042549	0
chr3	1.53E+08	1.53E+08	652	842	1.53E+08	-0.17299	0.015142	0
chr3	1.53E+08	1.53E+08	659	839	1.53E+08	-0.15243	0.027996	0
chr3	1.53E+08	1.53E+08	582	748	1.53E+08	-0.16606	0.018745	0
chr3	1.53E+08	1.53E+08	605	769	1.53E+08	-0.15009	0.029922	0
chr3	1.54E+08	1.54E+08	608	775	1.54E+08	-0.15416	0.02664	0
chr3	1.54E+08	1.54E+08	663	844	1.54E+08	-0.15227	0.028123	0
chr3	1.54E+08	1.54E+08	599	774	1.54E+08	-0.17381	0.014754	0
chr3	1.55E+08	1.55E+08	530	671	1.55E+08	-0.14436	0.035096	0
chr3	1.55E+08	1.55E+08	655	846	1.55E+08	-0.1732	0.015041	0
chr3	1.57E+08	1.57E+08	662	845	1.57E+08	-0.15616	0.025148	0
chr3	1.57E+08	1.58E+08	708	890	1.58E+08	-0.13409	0.046207	0
chr3	1.58E+08	1.58E+08	741	937	1.58E+08	-0.14261	0.036812	0
chr3	1.58E+08	1.58E+08	697	878	1.58E+08	-0.1371	0.042692	0
chr3	1.58E+08	1.58E+08	712	900	1.58E+08	-0.14208	0.037345	0
chr3	1.58E+08	1.58E+08	634	801	1.58E+08	-0.14136	0.03809	0
chr3	1.59E+08	1.59E+08	611	770	1.59E+08	-0.13772	0.041991	0
chr3	1.61E+08	1.61E+08	740	943	1.61E+08	-0.15377	0.026942	0
chr3	1.61E+08	1.61E+08	629	796	1.61E+08	-0.14375	0.035691	0
chr3	1.61E+08	1.62E+08	557	714	1.61E+08	-0.16228	0.020998	0

chr3	1.62E+08	1.62E+08	619	802	1.62E+08	-0.1777	0.013048	0
chr3	1.62E+08	1.62E+08	636	805	1.62E+08	-0.144	0.035443	0
chr3	1.62E+08	1.62E+08	526	663	1.62E+08	-0.13798	0.041701	0
chr3	1.62E+08	1.63E+08	540	699	1.62E+08	-0.17637	0.013611	0
chr3	1.63E+08	1.63E+08	527	671	1.63E+08	-0.15255	0.027902	0
chr3	1.63E+08	1.63E+08	571	718	1.63E+08	-0.13453	0.045682	0
chr3	1.63E+08	1.64E+08	586	754	1.64E+08	-0.1677	0.017829	0
chr3	1.64E+08	1.64E+08	552	707	1.64E+08	-0.16108	0.021765	0
chr3	1.64E+08	1.64E+08	536	690	1.64E+08	-0.1684	0.017451	0
chr3	1.64E+08	1.64E+08	556	708	1.64E+08	-0.1527	0.027779	0
chr3	1.64E+08	1.64E+08	543	702	1.64E+08	-0.17456	0.014414	0
chr3	1.64E+08	1.64E+08	600	753	1.64E+08	-0.13172	0.049138	0
chr3	1.65E+08	1.65E+08	597	775	1.65E+08	-0.1805	0.011926	0
chr3	1.65E+08	1.65E+08	592	751	1.65E+08	-0.14725	0.032395	0
chr3	1.65E+08	1.65E+08	623	788	1.65E+08	-0.143	0.036425	0
chr3	1.65E+08	1.65E+08	597	772	1.65E+08	-0.17491	0.014256	0
chr3	1.65E+08	1.65E+08	607	768	1.65E+08	-0.14345	0.035983	0
chr3	1.65E+08	1.66E+08	613	773	1.66E+08	-0.13862	0.041	0
chr3	1.66E+08	1.66E+08	568	728	1.66E+08	-0.16208	0.021123	0
chr3	1.66E+08	1.66E+08	621	798	1.66E+08	-0.16583	0.018872	0
chr3	1.66E+08	1.67E+08	607	769	1.66E+08	-0.14532	0.034175	0
chr3	1.66E+08	1.67E+08	600	761	1.67E+08	-0.14697	0.03265	0
chr3	1.67E+08	1.67E+08	710	891	1.67E+08	-0.13164	0.049241	0
chr3	1.69E+08	1.69E+08	786	994	1.69E+08	-0.14275	0.036671	0
chr3	1.69E+08	1.69E+08	789	991	1.69E+08	-0.1329	0.047669	0
chr3	1.69E+08	1.69E+08	816	1024	1.69E+08	-0.13161	0.049281	0
chr3	1.7E+08	1.7E+08	891	899	1.7E+08	0.183067	0.010418	0
chr3	1.7E+08	1.7E+08	821	1054	1.7E+08	-0.16446	0.019673	0
chr3	1.7E+08	1.7E+08	795	1027	1.7E+08	-0.17345	0.014925	0
chr3	1.71E+08	1.71E+08	738	926	1.71E+08	-0.13143	0.049515	0
chr3	1.71E+08	1.71E+08	771	983	1.71E+08	-0.1545	0.026384	0
chr3	1.72E+08	1.72E+08	1033	1062	1.72E+08	0.15602	0.024415	0
chr3	1.72E+08	1.72E+08	965	989	1.72E+08	0.160521	0.021339	0
chr3	1.72E+08	1.72E+08	845	880	1.72E+08	0.137411	0.041345	0
chr3	1.73E+08	1.73E+08	879	909	1.73E+08	0.147546	0.031218	0
chr3	1.73E+08	1.73E+08	700	895	1.73E+08	-0.15857	0.023438	0
chr3	1.73E+08	1.73E+08	660	837	1.73E+08	-0.1468	0.032807	0
chr3	1.73E+08	1.73E+08	649	822	1.73E+08	-0.14496	0.034522	0
chr3	1.74E+08	1.74E+08	652	837	1.74E+08	-0.16439	0.019712	0
chr3	1.74E+08	1.74E+08	673	862	1.74E+08	-0.16112	0.021739	0
chr3	1.74E+08	1.74E+08	670	862	1.74E+08	-0.16756	0.017904	0
chr3	1.74E+08	1.75E+08	623	784	1.74E+08	-0.13566	0.044349	0
chr3	1.74E+08	1.75E+08	609	778	1.75E+08	-0.15736	0.024279	0
chr3	1.75E+08	1.75E+08	635	800	1.75E+08	-0.13728	0.042487	0
chr3	1.75E+08	1.75E+08	658	842	1.75E+08	-0.15977	0.022625	0
chr3	1.75E+08	1.75E+08	653	833	1.75E+08	-0.15527	0.025802	0
chr3	1.75E+08	1.75E+08	572	722	1.75E+08	-0.14002	0.039488	0

chr3	1.75E+08	1.76E+08	732	946	1.76E+08	-0.17403	0.014653	0
chr3	1.76E+08	1.76E+08	772	977	1.76E+08	-0.14379	0.035642	0
chr3	1.76E+08	1.76E+08	755	977	1.76E+08	-0.17592	0.013807	0
chr3	1.76E+08	1.76E+08	787	1012	1.76E+08	-0.16681	0.01832	0
chr3	1.76E+08	1.76E+08	588	764	1.76E+08	-0.18179	0.011438	0
chr3	1.76E+08	1.76E+08	628	788	1.76E+08	-0.13147	0.049464	0
chr3	1.76E+08	1.76E+08	573	731	1.76E+08	-0.15537	0.025725	0
chr3	1.76E+08	1.76E+08	648	834	1.76E+08	-0.16809	0.017618	0
chr3	1.76E+08	1.77E+08	663	843	1.76E+08	-0.15056	0.029523	0
chr3	1.77E+08	1.77E+08	636	827	1.77E+08	-0.1829	0.011035	0
chr3	1.77E+08	1.77E+08	624	792	1.77E+08	-0.14799	0.031734	0
chr3	1.78E+08	1.78E+08	727	912	1.78E+08	-0.13112	0.049915	0
chr3	1.78E+08	1.78E+08	653	837	1.78E+08	-0.16218	0.021062	0
chr3	1.78E+08	1.78E+08	704	897	1.78E+08	-0.15357	0.027097	0
chr3	1.78E+08	1.78E+08	674	850	1.78E+08	-0.13875	0.040855	0
chr3	1.78E+08	1.78E+08	695	873	1.78E+08	-0.13301	0.047535	0
chr3	1.78E+08	1.78E+08	725	915	1.78E+08	-0.13983	0.039693	0
chr3	1.78E+08	1.78E+08	700	881	1.78E+08	-0.13582	0.044156	0
chr3	1.78E+08	1.78E+08	714	901	1.78E+08	-0.13964	0.039894	0
chr3	1.78E+08	1.78E+08	671	844	1.78E+08	-0.13497	0.045162	0
chr3	1.79E+08	1.79E+08	660	839	1.79E+08	-0.15024	0.02979	0
chr3	1.8E+08	1.8E+08	724	931	1.8E+08	-0.16683	0.01831	0
chr3	1.8E+08	1.8E+08	626	808	1.8E+08	-0.17223	0.015504	0
chr3	1.81E+08	1.81E+08	622	797	1.81E+08	-0.1617	0.021365	0
chr3	1.81E+08	1.81E+08	595	772	1.81E+08	-0.17975	0.012219	0
chr3	1.81E+08	1.81E+08	623	784	1.81E+08	-0.13566	0.044349	0
chr3	1.81E+08	1.82E+08	606	761	1.82E+08	-0.13262	0.048018	0
chr3	1.82E+08	1.82E+08	662	853	1.82E+08	-0.16975	0.016741	0
chr3	1.84E+08	1.84E+08	911	928	1.84E+08	0.169289	0.016284	0
chr3	1.84E+08	1.84E+08	939	961	1.84E+08	0.162552	0.020063	0
chr3	1.85E+08	1.85E+08	932	957	1.85E+08	0.157774	0.023175	0
chr3	1.85E+08	1.85E+08	889	918	1.85E+08	0.149652	0.029395	0
chr3	1.85E+08	1.85E+08	765	778	1.85E+08	0.171653	0.015111	0
chr3	1.86E+08	1.86E+08	796	811	1.86E+08	0.16903	0.016417	0
chr3	1.86E+08	1.86E+08	981	1007	1.86E+08	0.158224	0.022865	0
chr3	1.86E+08	1.86E+08	925	961	1.86E+08	0.14088	0.037614	0
chr3	1.86E+08	1.87E+08	847	855	1.87E+08	0.182401	0.010652	0
chr3	1.87E+08	1.87E+08	777	978	1.87E+08	-0.13596	0.044001	0
chr3	1.87E+08	1.87E+08	655	852	1.87E+08	-0.1834	0.010857	0
chr3	1.89E+08	1.89E+08	737	960	1.89E+08	-0.18541	0.010165	0
chr3	1.89E+08	1.89E+08	809	1036	1.89E+08	-0.16085	0.021913	0
chr3	1.9E+08	1.9E+08	951	970	1.9E+08	0.167424	0.017264	0
chr3	1.91E+08	1.91E+08	653	823	1.91E+08	-0.13785	0.041853	0
chr3	1.92E+08	1.92E+08	657	835	1.92E+08	-0.14992	0.030062	0
chr3	1.92E+08	1.92E+08	691	878	1.92E+08	-0.14957	0.030358	0
chr3	1.93E+08	1.93E+08	614	800	1.93E+08	-0.1858	0.010034	0
chr3	1.93E+08	1.93E+08	674	856	1.93E+08	-0.1489	0.030938	0

chr3	1.93E+08	1.93E+08	827	851	1.93E+08	0.154691	0.025391	0
chr3	1.93E+08	1.93E+08	895	929	1.93E+08	0.142172	0.036297	0
chr3	1.94E+08	1.94E+08	1049	1087	1.94E+08	0.144626	0.0339	0
chr3	1.94E+08	1.94E+08	961	978	1.94E+08	0.170665	0.015592	0
chr3	1.95E+08	1.95E+08	350	445	1.95E+08	-0.15049	0.029584	0
chr3	1.96E+08	1.96E+08	859	884	1.96E+08	0.154575	0.025478	0
chr3	1.96E+08	1.96E+08	676	684	1.96E+08	0.17899	0.011923	0
chr3	1.96E+08	1.96E+08	931	946	1.96E+08	0.172904	0.014521	0
chr3	1.96E+08	1.96E+08	862	881	1.96E+08	0.164509	0.018895	0
chr3	1.96E+08	1.96E+08	946	985	1.96E+08	0.137679	0.041046	0
chr3	1.96E+08	1.97E+08	880	891	1.96E+08	0.178041	0.012299	0
chr3	1.97E+08	1.97E+08	903	930	1.97E+08	0.153458	0.026326	0
chr3	1.97E+08	1.98E+08	901	919	1.97E+08	0.167425	0.017263	0
chr3	1.98E+08	1.98E+08	46	47	1.98E+08	0.164936	0.018648	0
chr4	650001	750000	754	710	7.00E+05	0.282709	0.000185	0
chr4	700001	800000	742	682	750000	0.31761	3.23E-05	0
chr4	750001	850000	788	724	8.00E+05	0.318169	3.14E-05	0
chr4	800001	900000	795	778	850000	0.227148	0.002084	0
chr4	950001	1050000	902	819	1.00E+06	0.335227	1.26E-05	0
chr4	1000001	1100000	796	785	1050000	0.216039	0.003208	0
chr4	1300001	1400000	755	758	1350000	0.190242	0.008169	0
chr4	1350001	1450000	556	535	1400000	0.251509	0.000761	0
chr4	1400001	1500000	322	309	1450000	0.255417	0.000642	0
chr4	1500001	1600000	831	817	1550000	0.220475	0.002706	0
chr4	1550001	1650000	821	795	1600000	0.24239	0.00112	0
chr4	1700001	1800000	838	804	1750000	0.255718	0.000634	0
chr4	1750001	1850000	890	793	1800000	0.362448	2.68E-06	0
chr4	1800001	1900000	802	679	1850000	0.436154	2.47E-08	0
chr4	1850001	1950000	681	659	1900000	0.243339	0.001077	0
chr4	1900001	2000000	713	711	1950000	0.200016	0.005797	0
chr4	2150001	2250000	657	653	2200000	0.204773	0.004882	0
chr4	2200001	2300000	744	726	2250000	0.231296	0.001766	0
chr4	2400001	2500000	792	765	2450000	0.246004	0.000962	0
chr4	2750001	2850000	758	752	2800000	0.207428	0.004429	0
chr4	2800001	2900000	797	726	2850000	0.330573	1.62E-05	0
chr4	2850001	2950000	733	660	2900000	0.34731	6.41E-06	0
chr4	2900001	3000000	694	685	2950000	0.214795	0.003363	0
chr4	3200001	3300000	758	752	3250000	0.207428	0.004429	0
chr4	3250001	3350000	737	714	3300000	0.241704	0.001153	0
chr4	3400001	3500000	836	813	3450000	0.236211	0.001446	0
chr4	3700001	3800000	868	861	3750000	0.207645	0.004394	0
chr4	3750001	3850000	857	851	3800000	0.206099	0.004651	0
chr4	6200001	6300000	758	732	6250000	0.246317	0.00095	0
chr4	6650001	6750000	734	738	6700000	0.188122	0.008784	0
chr4	6900001	7000000	700	687	6950000	0.223008	0.002452	0
chr4	6950001	7050000	740	668	7.00E+06	0.34364	7.88E-06	0
chr4	7000001	7100000	750	681	7050000	0.335199	1.26E-05	0

chr4	7150001	7250000	815	783	7200000	0.253751	0.00069	0
chr4	7200001	7300000	819	762	7250000	0.300035	7.95E-05	0
chr4	7250001	7350000	819	784	7300000	0.258973	0.000549	0
chr4	7300001	7400000	792	760	7350000	0.255464	0.000641	0
chr4	7350001	7450000	747	748	7400000	0.194033	0.007163	0
chr4	7800001	7900000	756	747	7850000	0.213241	0.003567	0
chr4	8050001	8150000	778	761	8100000	0.227837	0.002028	0
chr4	8100001	8200000	836	797	8150000	0.264886	0.000422	0
chr4	8350001	8450000	676	665	8400000	0.219632	0.002796	0
chr4	8400001	8500000	613	606	8450000	0.212532	0.003663	0
chr4	8550001	8650000	717	677	8600000	0.27878	0.000223	0
chr4	8800001	8900000	680	643	8850000	0.276679	0.000246	0
chr4	8850001	8950000	737	706	8900000	0.257959	0.000574	0
chr4	8900001	9000000	351	341	8950000	0.237662	0.001363	0
chr4	8950001	9050000	106	104	9.00E+06	0.223444	0.002411	0
chr4	9000001	9100000	73	73	9050000	0.195963	0.006694	0
chr4	9050001	9150000	69	64	9100000	0.304487	6.36E-05	0
chr4	9150001	9250000	19	18	9200000	0.273966	0.000279	0
chr4	9200001	9300000	10	7	9250000	0.710536	2.09E-18	0
chr4	9250001	9350000	1	1	9300000	0.195963	0.006694	0
chr4	9350001	9450000	53	78	9400000	-0.36152	4.03E-06	0
chr4	9400001	9500000	56	99	9450000	-0.62604	3.22E-14	0
chr4	9450001	9550000	72	96	9500000	-0.21907	0.003112	0
chr4	9500001	9600000	114	114	9550000	0.195963	0.006694	0
chr4	9600001	9700000	80	111	9650000	-0.27652	0.000292	0
chr4	9700001	9800000	168	219	9750000	-0.18651	0.009802	0
chr4	9800001	9900000	477	630	9850000	-0.2054	0.005126	0
chr4	10650001	10750000	435	570	10700000	-0.19398	0.007627	0
chr4	11300001	11400000	385	502	11350000	-0.18687	0.009687	0
chr4	11750001	11850000	380	522	11800000	-0.26209	0.000551	0
chr4	11800001	11900000	377	526	11850000	-0.28454	0.000203	0
chr4	12200001	12300000	395	529	12250000	-0.22545	0.002445	0
chr4	14350001	14450000	419	559	14400000	-0.21994	0.003013	0
chr4	14800001	14900000	470	616	14850000	-0.19431	0.007544	0
chr4	17350001	17450000	427	563	17400000	-0.20294	0.005593	0
chr4	17500001	17600000	582	584	17550000	0.191014	0.007954	0
chr4	19000001	19100000	391	515	19050000	-0.20144	0.005895	0
chr4	19550001	19650000	388	507	19600000	-0.18997	0.008736	0
chr4	19800001	19900000	385	504	19850000	-0.1926	0.007993	0
chr4	19850001	19950000	367	490	19900000	-0.22104	0.002891	0
chr4	19900001	20000000	392	515	19950000	-0.19776	0.006701	0
chr4	19950001	20050000	406	549	2.00E+07	-0.23936	0.001418	0
chr4	20000001	20100000	399	551	20050000	-0.2697	0.000396	0
chr4	20050001	20150000	368	490	20100000	-0.21711	0.003348	0
chr4	20150001	20250000	410	536	20200000	-0.19065	0.008539	0
chr4	20400001	20500000	425	561	20450000	-0.20457	0.005278	0
chr4	20450001	20550000	388	515	20500000	-0.21255	0.00396	0

chr4	21200001	21300000	423	562	21250000	-0.21395	0.003763	0
chr4	21250001	21350000	458	601	21300000	-0.19605	0.007106	0
chr4	22000001	22100000	351	492	22050000	-0.29122	0.000149	0
chr4	22050001	22150000	328	482	22100000	-0.35937	4.54E-06	0
chr4	22750001	22850000	491	647	22800000	-0.20208	0.005764	0
chr4	23200001	23300000	505	667	23250000	-0.20544	0.005118	0
chr4	23400001	23500000	444	613	23450000	-0.26936	0.000401	0
chr4	23450001	23550000	424	557	23500000	-0.19765	0.006726	0
chr4	23600001	23700000	437	573	23650000	-0.19494	0.007382	0
chr4	23650001	23750000	473	621	23700000	-0.19679	0.006928	0
chr4	25300001	25400000	618	610	25350000	0.214761	0.003368	0
chr4	25350001	25450000	651	611	25400000	0.287448	0.000147	0
chr4	26750001	26850000	466	635	26800000	-0.25046	0.000901	0
chr4	28050001	28150000	355	481	28100000	-0.24225	0.001262	0
chr4	28750001	28850000	413	542	28800000	-0.19619	0.007073	0
chr4	28950001	29050000	392	558	2.90E+07	-0.31345	5.08E-05	0
chr4	29000001	29100000	365	578	29050000	-0.46721	5.74E-09	0
chr4	29050001	29150000	397	538	29100000	-0.2425	0.001249	0
chr4	29250001	29350000	377	501	29300000	-0.21428	0.003717	0
chr4	29300001	29400000	400	531	29350000	-0.21275	0.003932	0
chr4	29400001	29500000	361	526	29450000	-0.3471	8.88E-06	0
chr4	29450001	29550000	366	520	29500000	-0.3107	5.82E-05	0
chr4	30100001	30200000	412	546	30150000	-0.21029	0.0043	0
chr4	30150001	30250000	405	559	30200000	-0.26896	0.000409	0
chr4	30250001	30350000	410	551	30300000	-0.23047	0.002015	0
chr4	30300001	30400000	413	555	30350000	-0.23038	0.002022	0
chr4	31150001	31250000	423	556	31200000	-0.19846	0.006539	0
chr4	31450001	31550000	419	552	31500000	-0.20175	0.00583	0
chr4	31500001	31600000	413	580	31550000	-0.29395	0.000131	0
chr4	31750001	31850000	330	435	31800000	-0.20259	0.005662	0
chr4	32000001	32100000	422	576	32050000	-0.25286	0.000816	0
chr4	32050001	32150000	425	602	32100000	-0.30634	7.21E-05	0
chr4	32100001	32200000	443	584	32150000	-0.2027	0.00564	0
chr4	32300001	32400000	424	561	32350000	-0.20797	0.004675	0
chr4	32350001	32450000	384	501	32400000	-0.18774	0.009409	0
chr4	32450001	32550000	390	559	32500000	-0.32341	3.08E-05	0
chr4	32650001	32750000	401	526	32700000	-0.1955	0.007243	0
chr4	32800001	32900000	359	481	32850000	-0.22609	0.002386	0
chr4	32850001	32950000	415	552	32900000	-0.21559	0.003542	0
chr4	33050001	33150000	400	562	33100000	-0.29461	0.000127	0
chr4	33250001	33350000	424	558	33300000	-0.20024	0.006148	0
chr4	33850001	33950000	412	539	33900000	-0.19168	0.008247	0
chr4	34550001	34650000	403	535	34600000	-0.2128	0.003925	0
chr4	34600001	34700000	400	531	34650000	-0.21275	0.003932	0
chr4	34650001	34750000	437	575	34700000	-0.19997	0.006206	0
chr4	35600001	35700000	355	466	35650000	-0.19655	0.006986	0
chr4	35650001	35750000	400	527	35700000	-0.20184	0.005813	0

chr4	35850001	35950000	459	617	35900000	-0.23081	0.001988	0
chr4	35900001	36000000	470	614	35950000	-0.18961	0.008839	0
chr4	36100001	36200000	451	597	36150000	-0.20864	0.004564	0
chr4	36250001	36350000	485	637	36300000	-0.19735	0.006797	0
chr4	36300001	36400000	451	607	36350000	-0.23261	0.001854	0
chr4	36850001	36950000	368	503	36900000	-0.25489	0.000749	0
chr4	38850001	38950000	594	585	38900000	0.217989	0.002978	0
chr4	39200001	39300000	586	586	39250000	0.195963	0.006694	0
chr4	39250001	39350000	626	598	39300000	0.26198	0.000481	0
chr4	41600001	41700000	745	727	41650000	0.231248	0.001769	0
chr4	42750001	42850000	408	545	42800000	-0.22172	0.002817	0
chr4	42850001	42950000	463	618	42900000	-0.22063	0.002936	0
chr4	42900001	43000000	424	577	42950000	-0.24854	0.000976	0
chr4	42950001	43050000	418	552	4.30E+07	-0.2052	0.005162	0
chr4	43000001	43100000	382	500	43050000	-0.19239	0.00805	0
chr4	43350001	43450000	413	539	43400000	-0.18818	0.009273	0
chr4	43400001	43500000	388	519	43450000	-0.22371	0.002613	0
chr4	43600001	43700000	341	456	43650000	-0.2233	0.002654	0
chr4	44050001	44150000	379	512	44100000	-0.23798	0.001499	0
chr4	44800001	44900000	365	490	44850000	-0.22892	0.00214	0
chr4	45850001	45950000	412	552	45900000	-0.22606	0.002389	0
chr4	46000001	46100000	394	516	46050000	-0.19321	0.00783	0
chr4	46250001	46350000	391	510	46300000	-0.18737	0.009527	0
chr4	46700001	46800000	385	515	46750000	-0.22375	0.002609	0
chr4	46750001	46850000	387	549	46800000	-0.30851	6.49E-05	0
chr4	47800001	47900000	557	551	47850000	0.211588	0.003795	0
chr4	47850001	47950000	550	543	47900000	0.214442	0.003409	0
chr4	49250001	49350000	58	87	49300000	-0.389	8.31E-07	0
chr4	49300001	49400000	36	54	49350000	-0.389	8.31E-07	0
chr4	49450001	49550000	44	67	49500000	-0.41069	2.25E-07	0
chr4	49500001	49600000	57	80	49550000	-0.29308	0.000136	0
chr4	53000001	53100000	343	457	53050000	-0.21802	0.003237	0
chr4	53350001	53450000	367	499	53400000	-0.2473	0.001027	0
chr4	53500001	53600000	492	653	53550000	-0.21246	0.003974	0
chr4	53650001	53750000	428	565	53700000	-0.20468	0.005259	0
chr4	54650001	54750000	413	549	54700000	-0.2147	0.00366	0
chr4	56200001	56300000	616	611	56250000	0.207721	0.004381	0
chr4	57250001	57350000	618	573	57300000	0.305035	6.18E-05	0
chr4	57300001	57400000	577	565	57350000	0.226283	0.002156	0
chr4	57500001	57600000	511	667	57550000	-0.1884	0.009205	0
chr4	57800001	57900000	637	618	57850000	0.23965	0.001255	0
chr4	58550001	58650000	406	533	58600000	-0.19669	0.006951	0
chr4	58750001	58850000	359	474	58800000	-0.20494	0.00521	0
chr4	58800001	58900000	365	483	58850000	-0.20816	0.004643	0
chr4	58850001	58950000	373	496	58900000	-0.2152	0.003593	0
chr4	59400001	59500000	373	488	59450000	-0.19174	0.008229	0
chr4	59550001	59650000	358	477	59600000	-0.21807	0.003231	0

chr4	59700001	59800000	145	203	59750000	-0.28946	0.000161	0
chr4	59750001	59850000	204	296	59800000	-0.34106	1.23E-05	0
chr4	59800001	59900000	384	506	59850000	-0.20207	0.005766	0
chr4	59900001	60000000	368	494	59950000	-0.22884	0.002146	0
chr4	60050001	60150000	337	488	60100000	-0.33817	1.43E-05	0
chr4	60100001	60200000	370	500	60150000	-0.23844	0.001471	0
chr4	60250001	60350000	348	471	60300000	-0.24068	0.001345	0
chr4	60550001	60650000	373	494	60600000	-0.20937	0.004445	0
chr4	60600001	60700000	375	496	60650000	-0.20749	0.004757	0
chr4	60700001	60800000	350	481	60750000	-0.26272	0.000536	0
chr4	61200001	61300000	359	493	61250000	-0.26164	0.000562	0
chr4	61250001	61350000	371	501	61300000	-0.23743	0.001532	0
chr4	61300001	61400000	356	498	61350000	-0.28831	0.00017	0
chr4	61450001	61550000	346	466	61500000	-0.23359	0.001783	0
chr4	61500001	61600000	322	442	61550000	-0.26102	0.000577	0
chr4	61550001	61650000	331	454	61600000	-0.2599	0.000606	0
chr4	61600001	61700000	379	507	61650000	-0.22382	0.002602	0
chr4	61700001	61800000	373	490	61750000	-0.19764	0.006727	0
chr4	61750001	61850000	358	501	61800000	-0.28889	0.000166	0
chr4	61800001	61900000	309	421	61850000	-0.25025	0.000909	0
chr4	61850001	61950000	318	440	61900000	-0.27251	0.000349	0
chr4	62050001	62150000	371	520	62100000	-0.29113	0.000149	0
chr4	62100001	62200000	336	538	62150000	-0.48318	1.91E-09	0
chr4	62150001	62250000	324	498	62200000	-0.42419	9.67E-08	0
chr4	62200001	62300000	332	496	62250000	-0.38319	1.17E-06	0
chr4	62400001	62500000	383	532	62450000	-0.27812	0.000272	0
chr4	62450001	62550000	352	482	62500000	-0.25749	0.000671	0
chr4	62600001	62700000	286	375	62650000	-0.19491	0.007389	0
chr4	62950001	63050000	337	454	6.30E+07	-0.23398	0.001756	0
chr4	63000001	63100000	353	491	63050000	-0.28009	0.000248	0
chr4	63050001	63150000	406	552	63100000	-0.24723	0.001031	0
chr4	63900001	64000000	308	404	63950000	-0.19546	0.007252	0
chr4	63950001	64050000	312	436	6.40E+07	-0.28682	0.000183	0
chr4	64000001	64100000	310	428	64050000	-0.26938	0.000401	0
chr4	64050001	64150000	297	417	64100000	-0.29362	0.000133	0
chr4	64200001	64300000	337	461	64250000	-0.25606	0.000713	0
chr4	64550001	64650000	370	489	64600000	-0.20635	0.004955	0
chr4	64700001	64800000	373	496	64750000	-0.2152	0.003593	0
chr4	64950001	65050000	335	444	6.50E+07	-0.21044	0.004278	0
chr4	65000001	65100000	357	495	65050000	-0.27554	0.000305	0
chr4	65050001	65150000	389	512	65100000	-0.20041	0.006111	0
chr4	65750001	65850000	403	528	65800000	-0.1938	0.007676	0
chr4	65800001	65900000	381	533	65850000	-0.28838	0.00017	0
chr4	65850001	65950000	381	518	65900000	-0.2472	0.001032	0
chr4	66800001	66900000	390	525	66850000	-0.23288	0.001834	0
chr4	66950001	67050000	376	506	6.70E+07	-0.23244	0.001866	0
chr4	67100001	67200000	395	526	67150000	-0.21725	0.003331	0



chr4	67450001	67550000	432	587	67500000	-0.24637	0.001068	0
chr4	67500001	67600000	399	557	67550000	-0.28533	0.000196	0
chr4	67550001	67650000	390	514	67600000	-0.20233	0.005713	0
chr4	68650001	68750000	449	605	68700000	-0.23426	0.001737	0
chr4	68850001	68950000	415	549	68900000	-0.20773	0.004716	0
chr4	68900001	69000000	401	526	68950000	-0.1955	0.007243	0
chr4	69600001	69700000	294	407	69650000	-0.27325	0.000338	0
chr4	70100001	70200000	146	196	70150000	-0.22892	0.00214	0
chr4	70150001	70250000	139	218	70200000	-0.45328	1.47E-08	0
chr4	70250001	70350000	237	316	70300000	-0.21907	0.003112	0
chr4	70300001	70400000	361	496	70350000	-0.26238	0.000544	0
chr4	71100001	71200000	402	530	71150000	-0.20283	0.005613	0
chr4	71150001	71250000	378	503	71200000	-0.21621	0.003462	0
chr4	72500001	72600000	357	486	72550000	-0.24907	0.000955	0
chr4	72550001	72650000	382	509	72600000	-0.21813	0.003224	0
chr4	72650001	72750000	390	510	72700000	-0.19106	0.008421	0
chr4	72900001	73000000	377	504	72950000	-0.2229	0.002695	0
chr4	72950001	73050000	342	447	7.30E+07	-0.19032	0.008634	0
chr4	73050001	73150000	366	482	73100000	-0.20123	0.005939	0
chr4	73250001	73350000	421	558	73300000	-0.21048	0.00427	0
chr4	73300001	73400000	345	494	73350000	-0.32195	3.31E-05	0
chr4	73450001	73550000	334	470	73500000	-0.29685	0.000114	0
chr4	73500001	73600000	324	425	73550000	-0.19551	0.007241	0
chr4	73800001	73900000	442	588	73850000	-0.21581	0.003514	0
chr4	73900001	74000000	587	525	73950000	0.357006	3.68E-06	0
chr4	73950001	74050000	603	584	7.40E+07	0.242153	0.001131	0
chr4	76350001	76450000	553	528	76400000	0.262705	0.000465	0
chr4	76400001	76500000	567	568	76450000	0.193421	0.007317	0
chr4	76800001	76900000	531	532	76850000	0.193249	0.007361	0
chr4	78150001	78250000	458	598	78200000	-0.18883	0.009073	0
chr4	80200001	80300000	443	582	80250000	-0.19775	0.006703	0
chr4	80600001	80700000	360	495	80650000	-0.26347	0.000519	0
chr4	80650001	80750000	378	515	80700000	-0.25022	0.00091	0
chr4	80950001	81050000	388	511	8.10E+07	-0.2013	0.005923	0
chr4	81000001	81100000	377	494	81050000	-0.19398	0.007627	0
chr4	81500001	81600000	369	488	81550000	-0.2073	0.00479	0
chr4	81850001	81950000	389	508	81900000	-0.1891	0.008994	0
chr4	82050001	82150000	363	481	82100000	-0.2101	0.004329	0
chr4	82200001	82300000	412	550	82250000	-0.22082	0.002914	0
chr4	82250001	82350000	416	587	82300000	-0.30081	9.43E-05	0
chr4	82450001	82550000	380	517	82500000	-0.2482	0.00099	0
chr4	82500001	82600000	395	550	82550000	-0.28162	0.000232	0
chr4	83000001	83100000	382	506	83050000	-0.2096	0.004409	0
chr4	83050001	83150000	360	498	83100000	-0.27219	0.000354	0
chr4	83900001	84000000	597	555	83950000	0.301206	7.50E-05	0
chr4	83950001	84050000	590	555	8.40E+07	0.28419	0.000172	0
chr4	84200001	84300000	656	660	84250000	0.187193	0.009066	0

chr4	84250001	84350000	626	579	84300000	0.308562	5.17E-05	0
chr4	84650001	84750000	511	683	84700000	-0.2226	0.002725	0
chr4	85300001	85400000	458	616	85350000	-0.23162	0.001927	0
chr4	87450001	87550000	459	652	87500000	-0.31041	5.91E-05	0
chr4	87500001	87600000	435	602	87550000	-0.27279	0.000345	0
chr4	88650001	88750000	397	541	88700000	-0.25053	0.000899	0
chr4	90550001	90650000	477	629	90600000	-0.20311	0.005559	0
chr4	91600001	91700000	371	535	91650000	-0.33216	1.96E-05	0
chr4	91650001	91750000	437	573	91700000	-0.19494	0.007382	0
chr4	92400001	92500000	378	499	92450000	-0.20469	0.005256	0
chr4	92700001	92800000	341	481	92750000	-0.3003	9.66E-05	0
chr4	93250001	93350000	421	563	93300000	-0.22335	0.002649	0
chr4	93850001	93950000	385	507	93900000	-0.20116	0.005952	0
chr4	94250001	94350000	389	554	94300000	-0.31415	4.91E-05	0
chr4	94300001	94400000	435	573	94350000	-0.20156	0.005871	0
chr4	94450001	94550000	340	452	94500000	-0.21482	0.003644	0
chr4	94850001	94950000	433	576	94900000	-0.21574	0.003523	0
chr4	95350001	95450000	661	659	95400000	0.200335	0.005731	0
chr4	95400001	95500000	616	620	95450000	0.186625	0.009243	0
chr4	95650001	95750000	474	663	95700000	-0.28816	0.000172	0
chr4	96100001	96200000	414	550	96150000	-0.21384	0.003778	0
chr4	96150001	96250000	394	529	96200000	-0.22911	0.002124	0
chr4	96350001	96450000	395	539	96400000	-0.25247	0.000829	0
chr4	96400001	96500000	399	525	96450000	-0.19997	0.006206	0
chr4	96450001	96550000	392	514	96500000	-0.19495	0.007379	0
chr4	96500001	96600000	383	515	96550000	-0.23127	0.001953	0
chr4	97400001	97500000	368	501	97450000	-0.24914	0.000952	0
chr4	97450001	97550000	366	493	97500000	-0.23378	0.00177	0
chr4	97800001	97900000	400	526	97850000	-0.1991	0.006396	0
chr4	98000001	98100000	333	476	98050000	-0.31948	3.76E-05	0
chr4	98050001	98150000	363	510	98100000	-0.29456	0.000127	0
chr4	98300001	98400000	327	440	98350000	-0.23225	0.00188	0
chr4	98350001	98450000	362	483	98400000	-0.22007	0.002998	0
chr4	98450001	98550000	366	478	98500000	-0.1892	0.008962	0
chr4	98600001	98700000	337	484	98650000	-0.3263	2.66E-05	0
chr4	98650001	98750000	325	433	98700000	-0.21796	0.003244	0
chr4	98900001	99000000	320	469	98950000	-0.35555	5.60E-06	0
chr4	98950001	99050000	408	552	9.90E+07	-0.24014	0.001375	0
chr4	99250001	99350000	401	568	99300000	-0.30633	7.22E-05	0
chr4	99300001	99400000	387	556	99350000	-0.32679	2.59E-05	0
chr4	99350001	99450000	424	559	99400000	-0.20282	0.005615	0
chr4	1.01E+08	1.01E+08	432	617	1.01E+08	-0.31828	3.99E-05	0
chr4	1.01E+08	1.01E+08	462	604	1.01E+08	-0.19069	0.008525	0
chr4	1.01E+08	1.01E+08	417	561	1.01E+08	-0.23199	0.001899	0
chr4	1.02E+08	1.02E+08	408	550	1.02E+08	-0.2349	0.001694	0
chr4	1.02E+08	1.02E+08	381	534	1.02E+08	-0.29109	0.00015	0
chr4	1.02E+08	1.02E+08	434	592	1.02E+08	-0.25194	0.000848	0

chr4	1.04E+08	1.04E+08	454	600	1.04E+08	-0.20631	0.004962	0
chr4	1.04E+08	1.05E+08	328	430	1.05E+08	-0.19468	0.007449	0
chr4	1.05E+08	1.05E+08	387	516	1.05E+08	-0.21907	0.003112	0
chr4	1.05E+08	1.05E+08	374	495	1.05E+08	-0.20843	0.004599	0
chr4	1.05E+08	1.05E+08	380	496	1.05E+08	-0.18838	0.009212	0
chr4	1.06E+08	1.06E+08	440	576	1.06E+08	-0.1926	0.007993	0
chr4	1.06E+08	1.06E+08	397	542	1.06E+08	-0.25319	0.000804	0
chr4	1.06E+08	1.06E+08	355	531	1.06E+08	-0.38493	1.06E-06	0
chr4	1.06E+08	1.06E+08	437	588	1.06E+08	-0.23222	0.001882	0
chr4	1.08E+08	1.08E+08	379	518	1.08E+08	-0.25479	0.000752	0
chr4	1.08E+08	1.08E+08	389	552	1.08E+08	-0.30894	6.35E-05	0
chr4	1.1E+08	1.1E+08	442	593	1.1E+08	-0.22802	0.002215	0
chr4	1.11E+08	1.11E+08	440	588	1.11E+08	-0.22235	0.002751	0
chr4	1.12E+08	1.12E+08	405	570	1.12E+08	-0.29708	0.000113	0
chr4	1.12E+08	1.12E+08	368	493	1.12E+08	-0.22592	0.002402	0
chr4	1.12E+08	1.12E+08	345	455	1.12E+08	-0.20331	0.00552	0
chr4	1.13E+08	1.13E+08	482	683	1.13E+08	-0.30689	7.02E-05	0
chr4	1.13E+08	1.13E+08	414	604	1.13E+08	-0.34895	8.03E-06	0
chr4	1.14E+08	1.14E+08	452	592	1.14E+08	-0.19331	0.007803	0
chr4	1.15E+08	1.15E+08	380	503	1.15E+08	-0.2086	0.004571	0
chr4	1.15E+08	1.15E+08	376	508	1.15E+08	-0.23813	0.00149	0
chr4	1.15E+08	1.15E+08	375	521	1.15E+08	-0.27843	0.000268	0
chr4	1.15E+08	1.15E+08	396	538	1.15E+08	-0.24614	0.001077	0
chr4	1.16E+08	1.16E+08	377	532	1.16E+08	-0.3009	9.39E-05	0
chr4	1.16E+08	1.16E+08	364	518	1.16E+08	-0.31305	5.18E-05	0
chr4	1.17E+08	1.17E+08	359	475	1.17E+08	-0.20798	0.004674	0
chr4	1.17E+08	1.17E+08	334	457	1.17E+08	-0.25638	0.000703	0
chr4	1.17E+08	1.17E+08	337	451	1.17E+08	-0.22442	0.002544	0
chr4	1.17E+08	1.18E+08	367	540	1.17E+08	-0.36122	4.10E-06	0
chr4	1.17E+08	1.18E+08	381	503	1.18E+08	-0.2048	0.005235	0
chr4	1.18E+08	1.18E+08	359	484	1.18E+08	-0.23506	0.001683	0
chr4	1.18E+08	1.18E+08	395	533	1.18E+08	-0.23632	0.001601	0
chr4	1.18E+08	1.18E+08	390	523	1.18E+08	-0.22737	0.002271	0
chr4	1.19E+08	1.19E+08	385	506	1.19E+08	-0.19832	0.006573	0
chr4	1.19E+08	1.19E+08	444	583	1.19E+08	-0.19697	0.006885	0
chr4	1.19E+08	1.2E+08	46	68	1.19E+08	-0.36794	2.81E-06	0
chr4	1.19E+08	1.2E+08	89	118	1.2E+08	-0.21095	0.004199	0
chr4	1.2E+08	1.2E+08	500	500	1.2E+08	0.195963	0.006694	0
chr4	1.2E+08	1.2E+08	70	104	1.2E+08	-0.37519	1.86E-06	0
chr4	1.21E+08	1.21E+08	447	584	1.21E+08	-0.18973	0.008805	0
chr4	1.21E+08	1.21E+08	351	538	1.21E+08	-0.42017	1.25E-07	0
chr4	1.21E+08	1.22E+08	386	505	1.21E+08	-0.19172	0.008236	0
chr4	1.22E+08	1.22E+08	397	522	1.22E+08	-0.19895	0.00643	0
chr4	1.23E+08	1.23E+08	646	625	1.23E+08	0.243641	0.001063	0
chr4	1.23E+08	1.23E+08	448	587	1.23E+08	-0.1939	0.007649	0
chr4	1.24E+08	1.25E+08	479	625	1.25E+08	-0.18787	0.00937	0
chr4	1.25E+08	1.25E+08	453	597	1.25E+08	-0.20226	0.005728	0

chr4	1.25E+08	1.25E+08	421	553	1.25E+08	-0.1975	0.006762	0
chr4	1.26E+08	1.26E+08	485	640	1.26E+08	-0.20412	0.005363	0
chr4	1.26E+08	1.26E+08	448	619	1.26E+08	-0.27048	0.000382	0
chr4	1.26E+08	1.26E+08	450	590	1.26E+08	-0.19483	0.007411	0
chr4	1.27E+08	1.27E+08	345	478	1.27E+08	-0.27445	0.00032	0
chr4	1.27E+08	1.27E+08	425	589	1.27E+08	-0.27484	0.000315	0
chr4	1.28E+08	1.28E+08	387	548	1.28E+08	-0.30588	7.38E-05	0
chr4	1.28E+08	1.28E+08	381	509	1.28E+08	-0.22191	0.002797	0
chr4	1.28E+08	1.28E+08	410	548	1.28E+08	-0.22259	0.002727	0
chr4	1.29E+08	1.3E+08	525	698	1.29E+08	-0.21495	0.003627	0
chr4	1.3E+08	1.3E+08	425	563	1.3E+08	-0.20971	0.004392	0
chr4	1.31E+08	1.31E+08	417	547	1.31E+08	-0.19553	0.007235	0
chr4	1.31E+08	1.31E+08	403	532	1.31E+08	-0.20468	0.005258	0
chr4	1.32E+08	1.32E+08	393	532	1.32E+08	-0.24093	0.001331	0
chr4	1.32E+08	1.32E+08	391	522	1.32E+08	-0.22092	0.002904	0
chr4	1.32E+08	1.32E+08	376	507	1.32E+08	-0.23529	0.001668	0
chr4	1.32E+08	1.32E+08	373	496	1.32E+08	-0.2152	0.003593	0
chr4	1.32E+08	1.33E+08	395	515	1.33E+08	-0.18676	0.009722	0
chr4	1.33E+08	1.33E+08	336	464	1.33E+08	-0.2697	0.000396	0
chr4	1.33E+08	1.33E+08	182	241	1.33E+08	-0.20913	0.004484	0
chr4	1.33E+08	1.33E+08	41	73	1.33E+08	-0.63631	1.36E-14	0
chr4	1.33E+08	1.33E+08	47	81	1.33E+08	-0.5893	6.54E-13	0
chr4	1.33E+08	1.33E+08	64	85	1.33E+08	-0.21343	0.003836	0
chr4	1.33E+08	1.33E+08	382	535	1.33E+08	-0.29	0.000157	0
chr4	1.34E+08	1.34E+08	428	568	1.34E+08	-0.21232	0.003995	0
chr4	1.34E+08	1.34E+08	398	533	1.34E+08	-0.2254	0.00245	0
chr4	1.34E+08	1.35E+08	385	505	1.34E+08	-0.19546	0.007252	0
chr4	1.35E+08	1.35E+08	393	513	1.35E+08	-0.18847	0.009185	0
chr4	1.35E+08	1.35E+08	395	521	1.35E+08	-0.20347	0.005489	0
chr4	1.36E+08	1.36E+08	347	484	1.36E+08	-0.28411	0.000207	0
chr4	1.36E+08	1.36E+08	332	441	1.36E+08	-0.21363	0.003807	0
chr4	1.36E+08	1.36E+08	338	460	1.36E+08	-0.24865	0.000972	0
chr4	1.36E+08	1.36E+08	359	474	1.36E+08	-0.20494	0.00521	0
chr4	1.36E+08	1.36E+08	372	510	1.36E+08	-0.25923	0.000623	0
chr4	1.36E+08	1.37E+08	382	525	1.36E+08	-0.26278	0.000535	0
chr4	1.37E+08	1.37E+08	355	483	1.37E+08	-0.24824	0.000988	0
chr4	1.37E+08	1.37E+08	390	520	1.37E+08	-0.21907	0.003112	0
chr4	1.37E+08	1.37E+08	426	586	1.37E+08	-0.26408	0.000506	0
chr4	1.37E+08	1.37E+08	409	580	1.37E+08	-0.30799	6.65E-05	0
chr4	1.39E+08	1.39E+08	442	599	1.39E+08	-0.24255	0.001247	0
chr4	1.4E+08	1.4E+08	595	588	1.4E+08	0.213037	0.003594	0
chr4	1.43E+08	1.43E+08	424	582	1.43E+08	-0.26099	0.000578	0
chr4	1.43E+08	1.43E+08	475	622	1.43E+08	-0.19302	0.00788	0
chr4	1.44E+08	1.44E+08	376	494	1.44E+08	-0.19782	0.006687	0
chr4	1.45E+08	1.45E+08	412	540	1.45E+08	-0.19435	0.007532	0
chr4	1.45E+08	1.45E+08	87	124	1.45E+08	-0.31529	4.64E-05	0
chr4	1.45E+08	1.45E+08	76	113	1.45E+08	-0.37629	1.74E-06	0

chr4	1.45E+08	1.45E+08	94	126	1.45E+08	-0.22673	0.002328	0
chr4	1.45E+08	1.45E+08	360	470	1.45E+08	-0.1887	0.009114	0
chr4	1.46E+08	1.46E+08	399	548	1.46E+08	-0.26182	0.000557	0
chr4	1.46E+08	1.46E+08	352	474	1.46E+08	-0.23335	0.0018	0
chr4	1.46E+08	1.46E+08	406	388	1.46E+08	0.261386	0.000493	0
chr4	1.46E+08	1.46E+08	500	491	1.46E+08	0.222168	0.002534	0
chr4	1.47E+08	1.47E+08	502	667	1.47E+08	-0.21404	0.003751	0
chr4	1.47E+08	1.47E+08	483	646	1.47E+08	-0.22355	0.002629	0
chr4	1.47E+08	1.47E+08	450	601	1.47E+08	-0.22148	0.002844	0
chr4	1.47E+08	1.48E+08	380	510	1.48E+08	-0.22853	0.002172	0
chr4	1.49E+08	1.49E+08	452	596	1.49E+08	-0.20303	0.005575	0
chr4	1.49E+08	1.49E+08	426	570	1.49E+08	-0.22415	0.00257	0
chr4	1.49E+08	1.49E+08	480	638	1.49E+08	-0.21456	0.00368	0
chr4	1.49E+08	1.49E+08	495	683	1.49E+08	-0.26849	0.000417	0
chr4	1.49E+08	1.49E+08	458	598	1.49E+08	-0.18883	0.009073	0
chr4	1.5E+08	1.5E+08	418	571	1.5E+08	-0.25402	0.000777	0
chr4	1.5E+08	1.5E+08	429	559	1.5E+08	-0.18591	0.009998	0
chr4	1.5E+08	1.5E+08	403	530	1.5E+08	-0.19925	0.006363	0
chr4	1.55E+08	1.55E+08	474	631	1.55E+08	-0.21679	0.003388	0
chr4	1.55E+08	1.55E+08	486	639	1.55E+08	-0.1989	0.006442	0
chr4	1.55E+08	1.55E+08	444	579	1.55E+08	-0.18704	0.009631	0
chr4	1.55E+08	1.55E+08	457	603	1.55E+08	-0.204	0.005386	0
chr4	1.55E+08	1.55E+08	397	544	1.55E+08	-0.2585	0.000643	0
chr4	1.56E+08	1.56E+08	369	503	1.56E+08	-0.25097	0.000882	0
chr4	1.56E+08	1.56E+08	424	571	1.56E+08	-0.23346	0.001792	0
chr4	1.57E+08	1.57E+08	423	554	1.57E+08	-0.19327	0.007816	0
chr4	1.58E+08	1.58E+08	378	502	1.58E+08	-0.21334	0.003848	0
chr4	1.59E+08	1.59E+08	449	589	1.59E+08	-0.19559	0.00722	0
chr4	1.6E+08	1.61E+08	426	578	1.6E+08	-0.24425	0.001164	0
chr4	1.61E+08	1.61E+08	363	477	1.61E+08	-0.19806	0.006632	0
chr4	1.61E+08	1.61E+08	377	508	1.61E+08	-0.2343	0.001734	0
chr4	1.61E+08	1.61E+08	384	524	1.61E+08	-0.2525	0.000828	0
chr4	1.61E+08	1.61E+08	407	536	1.61E+08	-0.20124	0.005936	0
chr4	1.62E+08	1.62E+08	379	511	1.62E+08	-0.23516	0.001676	0
chr4	1.63E+08	1.63E+08	379	506	1.63E+08	-0.22098	0.002898	0
chr4	1.63E+08	1.63E+08	367	555	1.63E+08	-0.40074	4.12E-07	0
chr4	1.63E+08	1.63E+08	339	499	1.63E+08	-0.36179	3.97E-06	0
chr4	1.63E+08	1.63E+08	349	459	1.63E+08	-0.1993	0.006351	0
chr4	1.63E+08	1.63E+08	354	473	1.63E+08	-0.22213	0.002775	0
chr4	1.63E+08	1.63E+08	381	536	1.63E+08	-0.29648	0.000116	0
chr4	1.63E+08	1.63E+08	385	505	1.63E+08	-0.19546	0.007252	0
chr4	1.63E+08	1.63E+08	410	570	1.63E+08	-0.27937	0.000257	0
chr4	1.63E+08	1.63E+08	403	539	1.63E+08	-0.22354	0.00263	0
chr4	1.63E+08	1.63E+08	380	496	1.63E+08	-0.18838	0.009212	0
chr4	1.63E+08	1.64E+08	409	549	1.64E+08	-0.22874	0.002154	0
chr4	1.64E+08	1.64E+08	368	531	1.64E+08	-0.33304	1.87E-05	0
chr4	1.64E+08	1.64E+08	396	553	1.64E+08	-0.28582	0.000191	0

chr4	1.64E+08	1.64E+08	415	556	1.64E+08	-0.22601	0.002393	0
chr4	1.65E+08	1.65E+08	358	506	1.65E+08	-0.30321	8.40E-05	0
chr4	1.65E+08	1.65E+08	408	539	1.65E+08	-0.20575	0.005061	0
chr4	1.65E+08	1.66E+08	336	441	1.66E+08	-0.19635	0.007033	0
chr4	1.66E+08	1.66E+08	342	447	1.66E+08	-0.19032	0.008634	0
chr4	1.66E+08	1.66E+08	483	480	1.66E+08	0.204952	0.00485	0
chr4	1.66E+08	1.66E+08	455	455	1.66E+08	0.195963	0.006694	0
chr4	1.67E+08	1.67E+08	450	589	1.67E+08	-0.19238	0.008054	0
chr4	1.67E+08	1.67E+08	454	593	1.67E+08	-0.18938	0.00891	0
chr4	1.67E+08	1.67E+08	433	593	1.67E+08	-0.2577	0.000665	0
chr4	1.67E+08	1.67E+08	369	495	1.67E+08	-0.22784	0.00223	0
chr4	1.67E+08	1.68E+08	369	521	1.67E+08	-0.3017	9.03E-05	0
chr4	1.67E+08	1.68E+08	389	515	1.68E+08	-0.20884	0.004532	0
chr4	1.68E+08	1.68E+08	365	478	1.68E+08	-0.19315	0.007846	0
chr4	1.68E+08	1.68E+08	348	466	1.68E+08	-0.22528	0.002461	0
chr4	1.69E+08	1.7E+08	708	692	1.7E+08	0.22894	0.00194	0
chr4	1.7E+08	1.7E+08	750	706	1.7E+08	0.283185	0.000181	0
chr4	1.7E+08	1.7E+08	423	559	1.7E+08	-0.20623	0.004977	0
chr4	1.7E+08	1.71E+08	423	563	1.7E+08	-0.21651	0.003423	0
chr4	1.71E+08	1.71E+08	533	491	1.71E+08	0.314376	3.83E-05	0
chr4	1.71E+08	1.72E+08	410	555	1.72E+08	-0.2409	0.001333	0
chr4	1.72E+08	1.72E+08	372	504	1.72E+08	-0.24216	0.001267	0
chr4	1.72E+08	1.72E+08	386	514	1.72E+08	-0.2172	0.003337	0
chr4	1.72E+08	1.72E+08	432	565	1.72E+08	-0.19126	0.008365	0
chr4	1.72E+08	1.72E+08	422	594	1.72E+08	-0.29726	0.000112	0
chr4	1.72E+08	1.72E+08	435	583	1.72E+08	-0.22652	0.002347	0
chr4	1.72E+08	1.72E+08	394	523	1.72E+08	-0.21265	0.003946	0
chr4	1.72E+08	1.72E+08	414	555	1.72E+08	-0.22689	0.002314	0
chr4	1.73E+08	1.73E+08	394	553	1.73E+08	-0.29312	0.000136	0
chr4	1.73E+08	1.73E+08	412	539	1.73E+08	-0.19168	0.008247	0
chr4	1.73E+08	1.73E+08	422	552	1.73E+08	-0.19146	0.008307	0
chr4	1.73E+08	1.73E+08	395	552	1.73E+08	-0.28685	0.000182	0
chr4	1.76E+08	1.76E+08	509	502	1.76E+08	0.215941	0.00322	0
chr4	1.76E+08	1.76E+08	384	511	1.76E+08	-0.21625	0.003456	0
chr4	1.76E+08	1.76E+08	384	540	1.76E+08	-0.29589	0.000119	0
chr4	1.76E+08	1.76E+08	406	547	1.76E+08	-0.2341	0.001748	0
chr4	1.76E+08	1.76E+08	409	535	1.76E+08	-0.19148	0.008304	0
chr4	1.76E+08	1.76E+08	352	470	1.76E+08	-0.22112	0.002882	0
chr4	1.76E+08	1.77E+08	379	508	1.76E+08	-0.22667	0.002334	0
chr4	1.77E+08	1.77E+08	442	607	1.77E+08	-0.26169	0.000561	0
chr4	1.77E+08	1.77E+08	451	589	1.77E+08	-0.18918	0.00897	0
chr4	1.77E+08	1.77E+08	456	598	1.77E+08	-0.19515	0.00733	0
chr4	1.78E+08	1.78E+08	375	511	1.78E+08	-0.25047	0.000901	0
chr4	1.78E+08	1.78E+08	436	589	1.78E+08	-0.23798	0.001499	0
chr4	1.78E+08	1.78E+08	401	541	1.78E+08	-0.23606	0.001617	0
chr4	1.79E+08	1.79E+08	408	550	1.79E+08	-0.2349	0.001694	0
chr4	1.79E+08	1.79E+08	388	514	1.79E+08	-0.20975	0.004385	0

chr4	1.79E+08	1.79E+08	399	533	1.79E+08	-0.22178	0.002811	0
chr4	1.79E+08	1.79E+08	370	544	1.79E+08	-0.36012	4.35E-06	0
chr4	1.79E+08	1.79E+08	354	509	1.79E+08	-0.32795	2.44E-05	0
chr4	1.8E+08	1.8E+08	405	532	1.8E+08	-0.19754	0.006751	0
chr4	1.81E+08	1.81E+08	380	523	1.81E+08	-0.26485	0.000489	0
chr4	1.81E+08	1.81E+08	384	511	1.81E+08	-0.21625	0.003456	0
chr4	1.82E+08	1.82E+08	451	590	1.82E+08	-0.19162	0.008262	0
chr4	1.82E+08	1.82E+08	412	569	1.82E+08	-0.26982	0.000393	0
chr4	1.82E+08	1.82E+08	377	493	1.82E+08	-0.19106	0.008421	0
chr4	1.82E+08	1.82E+08	412	547	1.82E+08	-0.21293	0.003906	0
chr4	1.82E+08	1.83E+08	432	599	1.82E+08	-0.27556	0.000305	0
chr4	1.85E+08	1.85E+08	646	645	1.85E+08	0.198198	0.006185	0
chr4	1.86E+08	1.86E+08	609	594	1.86E+08	0.231942	0.00172	0
chr4	1.86E+08	1.86E+08	617	619	1.86E+08	0.191294	0.007878	0
chr4	1.87E+08	1.87E+08	657	662	1.87E+08	0.185025	0.009756	0
chr4	1.87E+08	1.87E+08	684	655	1.87E+08	0.258464	0.000562	0
chr4	1.87E+08	1.87E+08	443	595	1.87E+08	-0.22962	0.002082	0
chr4	1.87E+08	1.87E+08	237	309	1.87E+08	-0.18676	0.009722	0
chr4	1.87E+08	1.87E+08	198	278	1.87E+08	-0.29362	0.000133	0
chr4	1.88E+08	1.88E+08	295	289	1.88E+08	0.225608	0.002214	0
chr4	1.88E+08	1.88E+08	221	296	1.88E+08	-0.22559	0.002432	0
chr4	1.88E+08	1.88E+08	214	305	1.88E+08	-0.31524	4.65E-05	0
chr4	1.88E+08	1.88E+08	451	599	1.88E+08	-0.21347	0.00383	0
chr4	1.89E+08	1.89E+08	434	580	1.89E+08	-0.22239	0.002747	0
chr4	1.9E+08	1.9E+08	405	546	1.9E+08	-0.23502	0.001686	0
chr4	1.91E+08	1.91E+08	668	890	1.91E+08	-0.21799	0.00324	0
chr4	1.91E+08	1.91E+08	358	476	1.91E+08	-0.21504	0.003615	0
chr4	1.91E+08	1.91E+08	195	267	1.91E+08	-0.2574	0.000673	0
chr4	1.91E+08	1.91E+08	99	139	1.91E+08	-0.29362	0.000133	0
chr4	1.91E+08	1.91E+08	78	104	1.91E+08	-0.21907	0.003112	0
chr4	900001	1000000	763	791	950000	0.143968	0.034529	0
chr4	1050001	1150000	620	779	1100000	-0.13339	0.047059	0
chr4	1150001	1250000	775	797	1200000	0.15558	0.024735	0
chr4	1250001	1350000	680	697	1300000	0.160339	0.021457	0
chr4	1450001	1550000	575	581	1500000	0.180987	0.011164	0
chr4	1950001	2050000	713	722	2.00E+06	0.177866	0.01237	0
chr4	2450001	2550000	630	637	2500000	0.180021	0.011525	0
chr4	3450001	3550000	755	762	3500000	0.182649	0.010564	0
chr4	3800001	3900000	683	709	3850000	0.142063	0.036407	0
chr4	4200001	4300000	529	548	4250000	0.145055	0.033494	0
chr4	4250001	4350000	609	637	4300000	0.131112	0.048884	0
chr4	4450001	4550000	615	639	4500000	0.140734	0.037766	0
chr4	4500001	4600000	607	627	4550000	0.149194	0.029784	0
chr4	6150001	6250000	733	765	6200000	0.134316	0.044921	0
chr4	6350001	6450000	728	759	6400000	0.135802	0.043175	0
chr4	6400001	6500000	729	756	6450000	0.143496	0.034987	0
chr4	6550001	6650000	773	790	6600000	0.164579	0.018855	0

chr4	6600001	6700000	742	753	6650000	0.174732	0.013693	0
chr4	7600001	7700000	779	808	7650000	0.143231	0.035246	0
chr4	7750001	7850000	777	791	7800000	0.1702	0.015823	0
chr4	7850001	7950000	722	732	7900000	0.176118	0.013094	0
chr4	8000001	8100000	749	759	8050000	0.176829	0.012795	0
chr4	8150001	8250000	855	863	8200000	0.182527	0.010607	0
chr4	8450001	8550000	683	707	8500000	0.146138	0.032488	0
chr4	8500001	8600000	766	789	8550000	0.153282	0.026462	0
chr4	8600001	8700000	677	687	8650000	0.174809	0.01366	0
chr4	8700001	8800000	768	798	8750000	0.140681	0.037821	0
chr4	9100001	9200000	50	52	9150000	0.13938	0.039193	0
chr4	9300001	9400000	23	29	9350000	-0.13846	0.041179	0
chr4	9550001	9650000	101	129	9600000	-0.15705	0.024501	0
chr4	9650001	9750000	114	144	9700000	-0.14107	0.038384	0
chr4	9750001	9850000	338	432	9800000	-0.15805	0.023801	0
chr4	9850001	9950000	499	631	9900000	-0.14264	0.036787	0
chr4	9900001	10000000	472	603	9950000	-0.15741	0.024248	0
chr4	9950001	10050000	485	609	1.00E+07	-0.13249	0.048169	0
chr4	10050001	10150000	646	670	10100000	0.143336	0.035143	0
chr4	10600001	10700000	444	559	10650000	-0.13633	0.043575	0
chr4	10700001	10800000	417	532	10750000	-0.15542	0.025694	0
chr4	11000001	11100000	377	475	11050000	-0.1374	0.042353	0
chr4	11050001	11150000	350	445	11100000	-0.15049	0.029584	0
chr4	11250001	11350000	432	552	11300000	-0.15767	0.024061	0
chr4	11700001	11800000	393	495	11750000	-0.13694	0.042877	0
chr4	11850001	11950000	403	510	11900000	-0.14375	0.035682	0
chr4	12150001	12250000	397	515	12200000	-0.17947	0.012329	0
chr4	12250001	12350000	381	483	12300000	-0.14627	0.033293	0
chr4	12450001	12550000	375	483	12500000	-0.16917	0.017044	0
chr4	12800001	12900000	530	542	12850000	0.163663	0.019393	0
chr4	13600001	13700000	614	641	13650000	0.133877	0.045448	0
chr4	13950001	14050000	472	613	1.40E+07	-0.18114	0.011684	0
chr4	14950001	15050000	580	598	1.50E+07	0.15187	0.027572	0
chr4	15000001	15100000	589	614	15050000	0.135992	0.042955	0
chr4	15300001	15400000	597	623	15350000	0.134462	0.044748	0
chr4	15400001	15500000	545	705	15450000	-0.1754	0.014034	0
chr4	16700001	16800000	448	562	16750000	-0.13111	0.049924	0
chr4	17400001	17500000	460	580	17450000	-0.13846	0.041179	0
chr4	17550001	17650000	563	575	17600000	0.165536	0.018306	0
chr4	18700001	18800000	446	567	18750000	-0.15034	0.029706	0
chr4	18750001	18850000	436	553	18800000	-0.14699	0.032634	0
chr4	18800001	18900000	414	538	18850000	-0.18201	0.011357	0
chr4	18950001	19050000	447	574	1.90E+07	-0.16481	0.019463	0
chr4	19050001	19150000	357	464	19100000	-0.18224	0.011275	0
chr4	19100001	19200000	411	517	19150000	-0.13506	0.045048	0
chr4	19500001	19600000	390	500	19550000	-0.16249	0.020869	0
chr4	20100001	20200000	373	481	20150000	-0.1709	0.016158	0



chr4	21050001	21150000	375	484	21100000	-0.17215	0.01554	0
chr4	21100001	21200000	366	470	21150000	-0.16485	0.019439	0
chr4	21300001	21400000	435	550	21350000	-0.14245	0.036972	0
chr4	22100001	22200000	354	453	22150000	-0.1598	0.022605	0
chr4	23150001	23250000	486	614	23200000	-0.14132	0.038128	0
chr4	24250001	24350000	620	642	24300000	0.145658	0.032931	0
chr4	24600001	24700000	604	625	24650000	0.146655	0.032017	0
chr4	24850001	24950000	480	613	24900000	-0.15689	0.024618	0
chr4	24900001	25000000	487	622	24950000	-0.15703	0.024517	0
chr4	25450001	25550000	445	566	25500000	-0.15103	0.02913	0
chr4	26300001	26400000	546	561	26350000	0.156863	0.023812	0
chr4	26600001	26700000	382	482	26650000	-0.1395	0.040047	0
chr4	26700001	26800000	476	613	26750000	-0.16896	0.017153	0
chr4	27400001	27500000	432	549	27450000	-0.14981	0.030154	0
chr4	27450001	27550000	433	546	27500000	-0.13857	0.041052	0
chr4	27900001	28000000	398	509	27950000	-0.15893	0.023188	0
chr4	27950001	28050000	388	498	2.80E+07	-0.16413	0.01987	0
chr4	28000001	28100000	372	477	28050000	-0.16272	0.020724	0
chr4	28200001	28300000	377	477	28250000	-0.14346	0.035969	0
chr4	28250001	28350000	357	463	28300000	-0.17913	0.012466	0
chr4	28350001	28450000	394	498	28400000	-0.14199	0.037444	0
chr4	28400001	28500000	378	479	28450000	-0.14568	0.033844	0
chr4	28550001	28650000	404	516	28600000	-0.15705	0.024501	0
chr4	28600001	28700000	424	537	28650000	-0.14489	0.034581	0
chr4	29350001	29450000	407	526	29400000	-0.17407	0.014636	0
chr4	29750001	29850000	401	513	29800000	-0.15939	0.022877	0
chr4	30200001	30300000	414	538	30250000	-0.18201	0.011357	0
chr4	30350001	30450000	429	540	30400000	-0.13602	0.04393	0
chr4	30400001	30500000	443	567	30450000	-0.16008	0.022419	0
chr4	30500001	30600000	454	572	30550000	-0.13736	0.042398	0
chr4	31300001	31400000	441	573	31350000	-0.18179	0.011438	0
chr4	31350001	31450000	391	506	31400000	-0.17601	0.013769	0
chr4	31550001	31650000	439	558	31600000	-0.15008	0.029925	0
chr4	31650001	31750000	421	529	31700000	-0.13348	0.046946	0
chr4	31700001	31800000	430	542	31750000	-0.13799	0.04169	0
chr4	31800001	31900000	342	436	31850000	-0.15437	0.026482	0
chr4	31850001	31950000	438	562	31900000	-0.16368	0.020141	0
chr4	31900001	32000000	431	545	31950000	-0.14261	0.036819	0
chr4	32400001	32500000	401	514	32450000	-0.1622	0.021049	0
chr4	32500001	32600000	429	556	32550000	-0.17814	0.012864	0
chr4	32600001	32700000	423	535	32650000	-0.14292	0.036507	0
chr4	32700001	32800000	422	546	32750000	-0.17569	0.013906	0
chr4	33000001	33100000	415	532	33050000	-0.16235	0.020955	0
chr4	33200001	33300000	420	546	33250000	-0.18255	0.011161	0
chr4	33450001	33550000	464	588	33500000	-0.14573	0.033795	0
chr4	33700001	33800000	450	585	33750000	-0.18255	0.011161	0
chr4	33900001	34000000	420	530	33950000	-0.13964	0.039894	0

chr4	34450001	34550000	424	534	34500000	-0.13681	0.043018	0
chr4	34500001	34600000	432	561	34550000	-0.18101	0.011734	0
chr4	34750001	34850000	321	403	34800000	-0.13224	0.048483	0
chr4	34800001	34900000	356	460	34850000	-0.17379	0.014764	0
chr4	34900001	35000000	423	549	34950000	-0.18019	0.012049	0
chr4	34950001	35050000	411	531	3.50E+07	-0.17361	0.014849	0
chr4	35050001	35150000	408	524	35100000	-0.16503	0.019334	0
chr4	35100001	35200000	423	551	35150000	-0.18543	0.010156	0
chr4	36800001	36900000	403	509	36850000	-0.14092	0.038539	0
chr4	37000001	37100000	439	564	37050000	-0.16551	0.019057	0
chr4	37200001	37300000	464	586	37250000	-0.14081	0.038654	0
chr4	37250001	37350000	461	593	37300000	-0.1673	0.018047	0
chr4	37450001	37550000	464	586	37500000	-0.14081	0.038654	0
chr4	37500001	37600000	443	572	37550000	-0.17275	0.015256	0
chr4	37800001	37900000	601	608	37850000	0.179257	0.011819	0
chr4	38400001	38500000	461	586	38450000	-0.15017	0.02985	0
chr4	38450001	38550000	501	652	38500000	-0.1841	0.010611	0
chr4	38750001	38850000	551	696	38800000	-0.14107	0.038384	0
chr4	39050001	39150000	563	577	39100000	0.160527	0.021336	0
chr4	39100001	39200000	557	578	39150000	0.142571	0.035898	0
chr4	39300001	39400000	570	578	39350000	0.175855	0.013205	0
chr4	39550001	39650000	508	529	39600000	0.137524	0.041219	0
chr4	40050001	40150000	474	606	40100000	-0.15847	0.023508	0
chr4	40400001	40500000	496	629	40450000	-0.14676	0.032845	0
chr4	40600001	40700000	583	589	40650000	0.181191	0.011088	0
chr4	41150001	41250000	648	675	41200000	0.137069	0.041728	0
chr4	41200001	41300000	611	631	41250000	0.149495	0.029528	0
chr4	41550001	41650000	747	764	41600000	0.163499	0.019491	0
chr4	41900001	42000000	526	535	41950000	0.171487	0.015191	0
chr4	42150001	42250000	576	748	42200000	-0.18101	0.011734	0
chr4	42200001	42300000	434	552	42250000	-0.15101	0.029149	0
chr4	42700001	42800000	433	553	42750000	-0.15695	0.024575	0
chr4	42800001	42900000	466	592	42850000	-0.1493	0.030588	0
chr4	43050001	43150000	374	481	43100000	-0.16704	0.018195	0
chr4	43550001	43650000	371	469	43600000	-0.14221	0.037222	0
chr4	44100001	44200000	393	505	44150000	-0.16579	0.018896	0
chr4	44350001	44450000	437	549	44400000	-0.13321	0.047283	0
chr4	44400001	44500000	426	538	44450000	-0.14079	0.038678	0
chr4	44850001	44950000	413	531	44900000	-0.16661	0.018434	0
chr4	45100001	45200000	413	522	45150000	-0.14194	0.037487	0
chr4	45500001	45600000	433	546	45550000	-0.13857	0.041052	0
chr4	45800001	45900000	386	495	45850000	-0.16286	0.020637	0
chr4	46050001	46150000	421	547	46100000	-0.18176	0.011452	0
chr4	46450001	46550000	423	536	46500000	-0.14561	0.033904	0
chr4	49150001	49250000	412	518	49200000	-0.13434	0.045904	0
chr4	49550001	49650000	286	368	49600000	-0.16773	0.017815	0
chr4	49600001	49700000	544	689	49650000	-0.14493	0.034544	0

chr4	53400001	53500000	473	596	53450000	-0.13751	0.04223	0
chr4	53550001	53650000	475	610	53600000	-0.16492	0.019401	0
chr4	53600001	53700000	406	517	53650000	-0.15272	0.027763	0
chr4	53700001	53800000	496	633	53750000	-0.1559	0.025334	0
chr4	54700001	54800000	452	579	54750000	-0.16128	0.021637	0
chr4	54850001	54950000	535	557	54900000	0.137825	0.040885	0
chr4	55050001	55150000	450	572	55100000	-0.15013	0.029887	0
chr4	55100001	55200000	428	547	55150000	-0.15797	0.023855	0
chr4	55200001	55300000	514	665	55250000	-0.17562	0.013937	0
chr4	55750001	55850000	509	639	55800000	-0.13219	0.048554	0
chr4	56150001	56250000	575	598	56200000	0.13938	0.039193	0
chr4	56500001	56600000	460	583	56550000	-0.1459	0.033636	0
chr4	57200001	57300000	517	535	57250000	0.146588	0.032077	0
chr4	57450001	57550000	512	653	57500000	-0.15498	0.026022	0
chr4	57750001	57850000	530	539	57800000	0.17167	0.015103	0
chr4	57850001	57950000	674	680	57900000	0.183177	0.01038	0
chr4	58500001	58600000	405	514	58550000	-0.14788	0.03183	0
chr4	58700001	58800000	373	473	58750000	-0.1467	0.032896	0
chr4	59350001	59450000	380	482	59400000	-0.14707	0.03256	0
chr4	59600001	59700000	372	471	59650000	-0.14446	0.034996	0
chr4	59850001	59950000	382	486	59900000	-0.15142	0.028812	0
chr4	60000001	60100000	353	451	60050000	-0.1575	0.024186	0
chr4	60150001	60250000	371	472	60200000	-0.1514	0.028825	0
chr4	60200001	60300000	358	455	60250000	-0.14994	0.030041	0
chr4	60300001	60400000	361	468	60350000	-0.17855	0.0127	0
chr4	60650001	60750000	384	486	60700000	-0.14389	0.035552	0
chr4	60800001	60900000	377	485	60850000	-0.16746	0.017962	0
chr4	60850001	60950000	369	463	60900000	-0.13143	0.049515	0
chr4	61350001	61450000	399	516	61400000	-0.17502	0.014205	0
chr4	62250001	62350000	385	497	62300000	-0.17242	0.01541	0
chr4	62500001	62600000	369	469	62550000	-0.15	0.02999	0
chr4	62550001	62650000	305	391	62600000	-0.1624	0.020928	0
chr4	62650001	62750000	378	478	62700000	-0.14266	0.036763	0
chr4	62850001	62950000	413	431	62900000	0.134417	0.044801	0
chr4	63350001	63450000	367	461	63400000	-0.13302	0.047512	0
chr4	63600001	63700000	357	449	63650000	-0.13483	0.045326	0
chr4	63650001	63750000	375	471	63700000	-0.13287	0.047698	0
chr4	63700001	63800000	403	517	63750000	-0.16342	0.020295	0
chr4	63850001	63950000	359	451	63900000	-0.13318	0.047319	0
chr4	64100001	64200000	339	435	64150000	-0.16377	0.020086	0
chr4	64150001	64250000	348	450	64200000	-0.17487	0.01427	0
chr4	64250001	64350000	372	476	64300000	-0.1597	0.022674	0
chr4	64400001	64500000	343	446	64450000	-0.18287	0.011044	0
chr4	64450001	64550000	384	490	64500000	-0.15571	0.025474	0
chr4	64600001	64700000	381	493	64650000	-0.17583	0.013845	0
chr4	64750001	64850000	374	477	64800000	-0.15499	0.026014	0
chr4	64850001	64950000	360	453	64900000	-0.13555	0.044474	0

chr4	64900001	65000000	328	427	64950000	-0.18458	0.010445	0
chr4	65150001	65250000	379	486	65200000	-0.1628	0.02068	0
chr4	65400001	65500000	389	492	65450000	-0.14293	0.0365	0
chr4	65550001	65650000	419	535	65600000	-0.15663	0.024808	0
chr4	65600001	65700000	410	515	65650000	-0.13299	0.04756	0
chr4	65900001	66000000	406	528	65950000	-0.1831	0.010964	0
chr4	66000001	66100000	385	489	66050000	-0.14901	0.030839	0
chr4	66550001	66650000	385	486	66600000	-0.14013	0.039367	0
chr4	66750001	66850000	414	538	66800000	-0.18201	0.011357	0
chr4	66850001	66950000	421	536	66900000	-0.15245	0.02798	0
chr4	66900001	67000000	411	525	66950000	-0.15722	0.024385	0
chr4	67000001	67100000	439	552	67050000	-0.13448	0.045737	0
chr4	67600001	67700000	386	498	67650000	-0.17158	0.015819	0
chr4	68350001	68450000	554	569	68400000	0.15742	0.02342	0
chr4	68700001	68800000	451	586	68750000	-0.18181	0.011432	0
chr4	68950001	69050000	426	549	6.90E+07	-0.16999	0.016619	0
chr4	69000001	69100000	406	515	69050000	-0.14713	0.032506	0
chr4	69500001	69600000	321	335	69550000	0.134375	0.044851	0
chr4	69850001	69950000	300	378	69900000	-0.13746	0.042285	0
chr4	71250001	71350000	400	509	71300000	-0.1517	0.028582	0
chr4	71950001	72050000	352	443	7.20E+07	-0.13577	0.044221	0
chr4	72600001	72700000	398	511	72650000	-0.16459	0.019594	0
chr4	73200001	73300000	456	586	73250000	-0.1659	0.018832	0
chr4	73350001	73450000	355	459	73400000	-0.17471	0.014344	0
chr4	73400001	73500000	375	475	73450000	-0.14507	0.034411	0
chr4	73750001	73850000	402	505	73800000	-0.13312	0.047388	0
chr4	75050001	75150000	500	640	75100000	-0.16018	0.022351	0
chr4	75950001	76050000	445	575	7.60E+07	-0.17379	0.014764	0
chr4	76000001	76100000	380	488	76050000	-0.16492	0.019401	0
chr4	76150001	76250000	342	445	76200000	-0.18385	0.010699	0
chr4	76250001	76350000	386	493	76300000	-0.15702	0.024522	0
chr4	76550001	76650000	592	613	76600000	0.145673	0.032917	0
chr4	76650001	76750000	515	525	76700000	0.168218	0.01684	0
chr4	76850001	76950000	555	576	76900000	0.142382	0.036087	0
chr4	77400001	77500000	546	690	77450000	-0.14173	0.037704	0
chr4	77900001	78000000	622	647	77950000	0.139112	0.03948	0
chr4	79000001	79100000	357	452	79050000	-0.14444	0.035021	0
chr4	79300001	79400000	502	524	79350000	0.134084	0.0452	0
chr4	79350001	79450000	480	491	79400000	0.163274	0.019625	0
chr4	79400001	79500000	491	507	79450000	0.1497	0.029355	0
chr4	80350001	80450000	425	537	80400000	-0.1415	0.037946	0
chr4	80400001	80500000	400	515	80450000	-0.16861	0.01734	0
chr4	80450001	80550000	413	537	80500000	-0.18282	0.011064	0
chr4	80550001	80650000	384	498	80600000	-0.17908	0.012486	0
chr4	80900001	81000000	418	532	80950000	-0.15196	0.028373	0
chr4	81450001	81550000	426	535	81500000	-0.13272	0.047885	0
chr4	81550001	81650000	349	449	81600000	-0.16753	0.017925	0

chr4	81900001	82000000	429	545	81950000	-0.14932	0.030578	0
chr4	81950001	82050000	416	522	8.20E+07	-0.1315	0.049419	0
chr4	82100001	82200000	390	490	82150000	-0.13334	0.047118	0
chr4	82300001	82400000	429	555	82350000	-0.17555	0.013971	0
chr4	82550001	82650000	407	511	82600000	-0.13233	0.048373	0
chr4	82900001	83000000	483	616	82950000	-0.15494	0.026046	0
chr4	83250001	83350000	572	577	83300000	0.183407	0.0103	0
chr4	83500001	83600000	552	558	83550000	0.180366	0.011395	0
chr4	84700001	84800000	512	651	84750000	-0.15055	0.029531	0
chr4	84850001	84950000	417	540	84900000	-0.17695	0.013364	0
chr4	84900001	85000000	457	577	84950000	-0.14041	0.039072	0
chr4	85050001	85150000	470	590	85100000	-0.13209	0.048675	0
chr4	85150001	85250000	401	514	85200000	-0.1622	0.021049	0
chr4	85600001	85700000	453	579	85650000	-0.15809	0.02377	0
chr4	86100001	86200000	399	503	86150000	-0.13821	0.041453	0
chr4	86350001	86450000	485	622	86400000	-0.16297	0.020574	0
chr4	86500001	86600000	423	535	86550000	-0.14292	0.036507	0
chr4	86550001	86650000	469	597	86600000	-0.15218	0.028196	0
chr4	87150001	87250000	476	610	87200000	-0.16188	0.021249	0
chr4	87400001	87500000	500	630	87450000	-0.13746	0.042285	0
chr4	87700001	87800000	427	550	87750000	-0.16923	0.017011	0
chr4	87850001	87950000	573	581	87900000	0.17596	0.013161	0
chr4	88250001	88350000	482	492	88300000	0.166338	0.017857	0
chr4	88400001	88500000	468	598	88450000	-0.15767	0.024061	0
chr4	89100001	89200000	474	597	89150000	-0.13688	0.04294	0
chr4	89150001	89250000	495	644	89200000	-0.18367	0.010761	0
chr4	89750001	89850000	529	543	89800000	0.158279	0.022828	0
chr4	90500001	90600000	458	595	90550000	-0.18158	0.011518	0
chr4	90600001	90700000	551	710	90650000	-0.1698	0.016715	0
chr4	91100001	91200000	494	506	91150000	0.161337	0.020819	0
chr4	91250001	91350000	412	526	91300000	-0.15646	0.024931	0
chr4	91300001	91400000	382	493	91350000	-0.17205	0.01559	0
chr4	91550001	91650000	337	434	91600000	-0.16898	0.017142	0
chr4	92450001	92550000	395	506	92500000	-0.16132	0.021608	0
chr4	92550001	92650000	372	482	92600000	-0.17777	0.01302	0
chr4	92650001	92750000	385	501	92700000	-0.18399	0.010649	0
chr4	92850001	92950000	374	478	92900000	-0.15801	0.023826	0
chr4	93100001	93200000	317	410	93150000	-0.17518	0.014134	0
chr4	93200001	93300000	425	550	93250000	-0.17601	0.013769	0
chr4	93400001	93500000	378	483	93450000	-0.15767	0.024061	0
chr4	93600001	93700000	402	508	93650000	-0.14167	0.037767	0
chr4	93650001	93750000	424	541	93700000	-0.1556	0.025556	0
chr4	93900001	94000000	407	526	93950000	-0.17407	0.014636	0
chr4	94150001	94250000	408	518	94200000	-0.14842	0.031356	0
chr4	94200001	94300000	409	529	94250000	-0.1752	0.014123	0
chr4	94400001	94500000	422	536	94450000	-0.14903	0.030827	0
chr4	94600001	94700000	431	551	94650000	-0.1584	0.023554	0

chr4	94700001	94800000	520	660	94750000	-0.14799	0.031734	0
chr4	94900001	95000000	454	574	94950000	-0.1424	0.03703	0
chr4	95600001	95700000	507	641	95650000	-0.14238	0.03705	0
chr4	95700001	95800000	452	585	95750000	-0.17615	0.013706	0
chr4	95750001	95850000	453	574	95800000	-0.14558	0.033937	0
chr4	95800001	95900000	444	570	95850000	-0.16444	0.019684	0
chr4	95950001	96050000	450	572	9.60E+07	-0.15013	0.029887	0
chr4	96000001	96100000	398	516	96050000	-0.17864	0.012662	0
chr4	96050001	96150000	410	527	96100000	-0.16622	0.018654	0
chr4	96300001	96400000	436	563	96350000	-0.17284	0.015209	0
chr4	96550001	96650000	402	518	96600000	-0.16979	0.01672	0
chr4	96950001	97050000	422	532	9.70E+07	-0.13822	0.041438	0
chr4	97150001	97250000	415	526	97200000	-0.14599	0.033553	0
chr4	97300001	97400000	386	492	97350000	-0.15409	0.026692	0
chr4	97350001	97450000	408	520	97400000	-0.15398	0.02678	0
chr4	97750001	97850000	393	510	97800000	-0.18	0.012119	0
chr4	97850001	97950000	407	518	97900000	-0.15196	0.028373	0
chr4	98100001	98200000	387	492	98150000	-0.15036	0.029689	0
chr4	98150001	98250000	353	445	98200000	-0.13817	0.041489	0
chr4	98400001	98500000	342	445	98450000	-0.18385	0.010699	0
chr4	98550001	98650000	348	451	98600000	-0.17808	0.012892	0
chr4	98850001	98950000	324	409	98900000	-0.14014	0.039357	0
chr4	99050001	99150000	446	571	99100000	-0.16048	0.022152	0
chr4	99150001	99250000	460	475	99200000	0.149669	0.029381	0
chr4	99500001	99600000	468	589	99550000	-0.1358	0.044188	0
chr4	99750001	99850000	419	540	99800000	-0.17005	0.01659	0
chr4	99850001	99950000	552	561	99900000	0.172631	0.014648	0
chr4	99900001	1E+08	549	554	99950000	0.182883	0.010482	0
chr4	1E+08	1E+08	321	404	1E+08	-0.13582	0.044162	0
chr4	1E+08	1E+08	375	483	1E+08	-0.16917	0.017044	0
chr4	1E+08	1E+08	451	567	1E+08	-0.13426	0.046008	0
chr4	1E+08	1.01E+08	458	578	1E+08	-0.13976	0.039767	0
chr4	1.01E+08	1.01E+08	399	519	1.01E+08	-0.18338	0.010862	0
chr4	1.01E+08	1.01E+08	447	575	1.01E+08	-0.16732	0.018035	0
chr4	1.02E+08	1.02E+08	438	560	1.02E+08	-0.15853	0.023463	0
chr4	1.02E+08	1.02E+08	493	628	1.02E+08	-0.15321	0.027375	0
chr4	1.03E+08	1.03E+08	443	572	1.03E+08	-0.17275	0.015256	0
chr4	1.04E+08	1.04E+08	511	651	1.04E+08	-0.15337	0.027252	0
chr4	1.04E+08	1.04E+08	620	642	1.04E+08	0.145658	0.032931	0
chr4	1.04E+08	1.04E+08	624	647	1.04E+08	0.143743	0.034746	0
chr4	1.04E+08	1.04E+08	433	550	1.04E+08	-0.1491	0.030762	0
chr4	1.05E+08	1.05E+08	375	473	1.05E+08	-0.13899	0.040599	0
chr4	1.06E+08	1.06E+08	406	518	1.06E+08	-0.15551	0.025624	0
chr4	1.06E+08	1.06E+08	409	526	1.06E+08	-0.167	0.018215	0
chr4	1.06E+08	1.06E+08	558	581	1.06E+08	0.13769	0.041034	0
chr4	1.06E+08	1.07E+08	416	530	1.06E+08	-0.15345	0.027194	0
chr4	1.07E+08	1.07E+08	443	569	1.07E+08	-0.16516	0.019261	0

chr4	1.07E+08	1.07E+08	432	547	1.07E+08	-0.14455	0.034914	0
chr4	1.07E+08	1.08E+08	386	500	1.08E+08	-0.17736	0.013188	0
chr4	1.08E+08	1.08E+08	435	564	1.08E+08	-0.17872	0.012631	0
chr4	1.08E+08	1.08E+08	444	576	1.08E+08	-0.17955	0.012299	0
chr4	1.08E+08	1.08E+08	426	547	1.08E+08	-0.16472	0.019515	0
chr4	1.08E+08	1.09E+08	441	558	1.08E+08	-0.14352	0.035908	0
chr4	1.09E+08	1.09E+08	526	660	1.09E+08	-0.13144	0.0495	0
chr4	1.09E+08	1.09E+08	548	690	1.09E+08	-0.13646	0.043424	0
chr4	1.09E+08	1.09E+08	584	597	1.09E+08	0.1642	0.019075	0
chr4	1.09E+08	1.09E+08	457	581	1.09E+08	-0.15038	0.029673	0
chr4	1.1E+08	1.1E+08	487	632	1.1E+08	-0.18004	0.012105	0
chr4	1.1E+08	1.1E+08	530	667	1.1E+08	-0.13573	0.044264	0
chr4	1.11E+08	1.11E+08	565	576	1.11E+08	0.168145	0.016879	0
chr4	1.11E+08	1.11E+08	410	516	1.11E+08	-0.13578	0.044202	0
chr4	1.12E+08	1.12E+08	396	500	1.12E+08	-0.14046	0.039018	0
chr4	1.12E+08	1.12E+08	435	565	1.12E+08	-0.18127	0.011633	0
chr4	1.12E+08	1.12E+08	453	587	1.12E+08	-0.17789	0.01297	0
chr4	1.12E+08	1.12E+08	394	505	1.12E+08	-0.16212	0.021098	0
chr4	1.13E+08	1.13E+08	524	665	1.13E+08	-0.14782	0.031883	0
chr4	1.13E+08	1.13E+08	526	662	1.13E+08	-0.13581	0.044177	0
chr4	1.13E+08	1.14E+08	437	555	1.14E+08	-0.14889	0.030944	0
chr4	1.14E+08	1.14E+08	469	602	1.14E+08	-0.16421	0.019819	0
chr4	1.14E+08	1.14E+08	434	547	1.14E+08	-0.13788	0.041813	0
chr4	1.14E+08	1.14E+08	461	587	1.14E+08	-0.15263	0.027836	0
chr4	1.15E+08	1.15E+08	554	569	1.15E+08	0.15742	0.02342	0
chr4	1.15E+08	1.15E+08	565	590	1.15E+08	0.133499	0.045907	0
chr4	1.15E+08	1.15E+08	448	571	1.15E+08	-0.15403	0.026742	0
chr4	1.15E+08	1.15E+08	383	493	1.15E+08	-0.16828	0.017516	0
chr4	1.15E+08	1.15E+08	396	510	1.15E+08	-0.16903	0.017115	0
chr4	1.15E+08	1.15E+08	408	531	1.15E+08	-0.18418	0.010582	0
chr4	1.15E+08	1.15E+08	394	508	1.15E+08	-0.17067	0.016273	0
chr4	1.16E+08	1.16E+08	409	516	1.16E+08	-0.13931	0.040252	0
chr4	1.16E+08	1.16E+08	413	538	1.16E+08	-0.1855	0.010133	0
chr4	1.16E+08	1.16E+08	419	536	1.16E+08	-0.15932	0.022927	0
chr4	1.16E+08	1.16E+08	388	504	1.16E+08	-0.1814	0.011584	0
chr4	1.16E+08	1.16E+08	364	459	1.16E+08	-0.13859	0.041029	0
chr4	1.17E+08	1.17E+08	379	485	1.17E+08	-0.15982	0.022588	0
chr4	1.17E+08	1.17E+08	381	478	1.17E+08	-0.13126	0.049734	0
chr4	1.17E+08	1.17E+08	362	457	1.17E+08	-0.14024	0.039254	0
chr4	1.17E+08	1.17E+08	343	435	1.17E+08	-0.14684	0.032766	0
chr4	1.17E+08	1.17E+08	342	437	1.17E+08	-0.15767	0.024061	0
chr4	1.17E+08	1.17E+08	375	488	1.17E+08	-0.18403	0.010635	0
chr4	1.18E+08	1.18E+08	411	517	1.18E+08	-0.13506	0.045048	0
chr4	1.18E+08	1.18E+08	429	539	1.18E+08	-0.13334	0.047118	0
chr4	1.18E+08	1.18E+08	390	499	1.18E+08	-0.1596	0.022736	0
chr4	1.18E+08	1.18E+08	406	423	1.18E+08	0.136785	0.042049	0
chr4	1.18E+08	1.18E+08	408	521	1.18E+08	-0.15675	0.024717	0

chr4	1.19E+08	1.19E+08	405	511	1.19E+08	-0.13944	0.04011	0
chr4	1.19E+08	1.19E+08	337	435	1.19E+08	-0.1723	0.015468	0
chr4	1.19E+08	1.19E+08	454	582	1.19E+08	-0.16236	0.020948	0
chr4	1.19E+08	1.19E+08	430	540	1.19E+08	-0.13266	0.047963	0
chr4	1.19E+08	1.19E+08	362	469	1.19E+08	-0.17764	0.013075	0
chr4	1.19E+08	1.19E+08	144	184	1.19E+08	-0.15767	0.024061	0
chr4	1.2E+08	1.2E+08	348	352	1.2E+08	0.179475	0.011735	0
chr4	1.2E+08	1.2E+08	489	622	1.2E+08	-0.15112	0.029061	0
chr4	1.2E+08	1.2E+08	515	539	1.20E+08	0.13025	0.049996	0
chr4	1.2E+08	1.2E+08	510	530	1.2E+08	0.140468	0.038042	0
chr4	1.2E+08	1.2E+08	538	562	1.2E+08	0.132999	0.046518	0
chr4	1.2E+08	1.2E+08	99	103	1.2E+08	0.138819	0.039796	0
chr4	1.21E+08	1.21E+08	438	551	1.21E+08	-0.13516	0.044936	0
chr4	1.21E+08	1.21E+08	451	566	1.21E+08	-0.13171	0.049154	0
chr4	1.21E+08	1.21E+08	409	525	1.21E+08	-0.16425	0.019794	0
chr4	1.22E+08	1.22E+08	434	545	1.22E+08	-0.1326	0.04804	0
chr4	1.22E+08	1.22E+08	450	565	1.22E+08	-0.13236	0.048334	0
chr4	1.24E+08	1.24E+08	518	660	1.24E+08	-0.15355	0.027112	0
chr4	1.24E+08	1.24E+08	498	516	1.24E+08	0.144738	0.033793	0
chr4	1.24E+08	1.24E+08	477	605	1.24E+08	-0.14698	0.032639	0
chr4	1.24E+08	1.24E+08	426	554	1.24E+08	-0.18307	0.010973	0
chr4	1.24E+08	1.25E+08	444	563	1.24E+08	-0.14661	0.032977	0
chr4	1.25E+08	1.25E+08	378	479	1.25E+08	-0.14568	0.033844	0
chr4	1.25E+08	1.25E+08	398	512	1.25E+08	-0.16741	0.017987	0
chr4	1.25E+08	1.25E+08	475	600	1.25E+08	-0.14107	0.038384	0
chr4	1.25E+08	1.25E+08	483	609	1.25E+08	-0.13846	0.041179	0
chr4	1.25E+08	1.25E+08	442	575	1.25E+08	-0.18355	0.010802	0
chr4	1.26E+08	1.26E+08	457	575	1.26E+08	-0.1354	0.044646	0
chr4	1.26E+08	1.26E+08	441	559	1.26E+08	-0.14611	0.033443	0
chr4	1.27E+08	1.27E+08	441	566	1.27E+08	-0.16406	0.01991	0
chr4	1.27E+08	1.27E+08	421	545	1.27E+08	-0.17647	0.013567	0
chr4	1.27E+08	1.27E+08	355	461	1.27E+08	-0.18098	0.011742	0
chr4	1.27E+08	1.27E+08	398	508	1.27E+08	-0.1561	0.025192	0
chr4	1.27E+08	1.27E+08	428	553	1.27E+08	-0.17371	0.014805	0
chr4	1.27E+08	1.27E+08	432	549	1.27E+08	-0.14981	0.030154	0
chr4	1.28E+08	1.28E+08	426	538	1.28E+08	-0.14079	0.038678	0
chr4	1.28E+08	1.28E+08	401	515	1.28E+08	-0.16501	0.01935	0
chr4	1.28E+08	1.28E+08	391	508	1.28E+08	-0.1817	0.011474	0
chr4	1.29E+08	1.29E+08	595	611	1.29E+08	0.15768	0.02324	0
chr4	1.29E+08	1.29E+08	526	537	1.29E+08	0.166104	0.017987	0
chr4	1.29E+08	1.29E+08	493	622	1.29E+08	-0.13936	0.04019	0
chr4	1.29E+08	1.29E+08	578	728	1.29E+08	-0.13691	0.042911	0
chr4	1.29E+08	1.29E+08	510	652	1.29E+08	-0.15841	0.023547	0
chr4	1.29E+08	1.29E+08	527	676	1.29E+08	-0.16326	0.020396	0
chr4	1.29E+08	1.3E+08	516	653	1.3E+08	-0.14375	0.035687	0
chr4	1.3E+08	1.3E+08	505	635	1.3E+08	-0.13451	0.045706	0
chr4	1.3E+08	1.3E+08	480	610	1.3E+08	-0.14981	0.030154	0



chr4	1.3E+08	1.3E+08	432	543	1.3E+08	-0.13396	0.04637	0
chr4	1.3E+08	1.31E+08	437	557	1.3E+08	-0.15408	0.026702	0
chr4	1.31E+08	1.31E+08	435	552	1.31E+08	-0.14769	0.032003	0
chr4	1.32E+08	1.32E+08	381	488	1.32E+08	-0.16113	0.021734	0
chr4	1.32E+08	1.32E+08	402	510	1.32E+08	-0.14734	0.032318	0
chr4	1.32E+08	1.32E+08	382	483	1.32E+08	-0.14249	0.036938	0
chr4	1.32E+08	1.32E+08	376	474	1.32E+08	-0.13819	0.04147	0
chr4	1.33E+08	1.33E+08	369	465	1.33E+08	-0.13765	0.042076	0
chr4	1.33E+08	1.33E+08	372	469	1.33E+08	-0.13832	0.041326	0
chr4	1.33E+08	1.33E+08	415	521	1.33E+08	-0.13221	0.048527	0
chr4	1.33E+08	1.33E+08	398	517	1.33E+08	-0.18143	0.011573	0
chr4	1.34E+08	1.34E+08	399	516	1.34E+08	-0.17502	0.014205	0
chr4	1.34E+08	1.34E+08	451	585	1.34E+08	-0.17935	0.012378	0
chr4	1.34E+08	1.34E+08	411	521	1.34E+08	-0.14618	0.033373	0
chr4	1.35E+08	1.35E+08	366	461	1.35E+08	-0.13696	0.04285	0
chr4	1.35E+08	1.35E+08	413	522	1.35E+08	-0.14194	0.037487	0
chr4	1.35E+08	1.35E+08	414	525	1.35E+08	-0.14672	0.032876	0
chr4	1.35E+08	1.35E+08	419	534	1.35E+08	-0.15393	0.026821	0
chr4	1.35E+08	1.35E+08	380	481	1.35E+08	-0.14407	0.03537	0
chr4	1.35E+08	1.35E+08	402	511	1.35E+08	-0.15016	0.029855	0
chr4	1.35E+08	1.35E+08	420	535	1.35E+08	-0.15319	0.027397	0
chr4	1.35E+08	1.36E+08	401	504	1.36E+08	-0.13386	0.046491	0
chr4	1.36E+08	1.36E+08	375	479	1.36E+08	-0.15717	0.024416	0
chr4	1.36E+08	1.36E+08	401	513	1.36E+08	-0.15939	0.022877	0
chr4	1.36E+08	1.36E+08	417	538	1.36E+08	-0.1716	0.015812	0
chr4	1.36E+08	1.36E+08	413	536	1.36E+08	-0.18013	0.012071	0
chr4	1.36E+08	1.36E+08	381	495	1.36E+08	-0.18167	0.011482	0
chr4	1.37E+08	1.37E+08	390	500	1.37E+08	-0.16249	0.020869	0
chr4	1.37E+08	1.37E+08	368	465	1.37E+08	-0.14156	0.037878	0
chr4	1.37E+08	1.37E+08	419	544	1.37E+08	-0.18069	0.011853	0
chr4	1.37E+08	1.37E+08	410	529	1.37E+08	-0.17168	0.015771	0
chr4	1.37E+08	1.37E+08	390	506	1.37E+08	-0.1797	0.012238	0
chr4	1.37E+08	1.37E+08	376	478	1.37E+08	-0.15031	0.029728	0
chr4	1.38E+08	1.38E+08	428	542	1.38E+08	-0.14472	0.034749	0
chr4	1.38E+08	1.38E+08	411	528	1.38E+08	-0.16544	0.0191	0
chr4	1.38E+08	1.38E+08	435	562	1.38E+08	-0.17359	0.014858	0
chr4	1.38E+08	1.38E+08	448	572	1.38E+08	-0.15655	0.02486	0
chr4	1.38E+08	1.39E+08	436	568	1.39E+08	-0.1856	0.0101	0
chr4	1.39E+08	1.39E+08	496	646	1.39E+08	-0.18523	0.010223	0
chr4	1.4E+08	1.4E+08	553	560	1.4E+08	0.177816	0.01239	0
chr4	1.4E+08	1.4E+08	580	585	1.40E+08	0.183579	0.010241	0
chr4	1.4E+08	1.4E+08	581	605	1.4E+08	0.137566	0.041172	0
chr4	1.41E+08	1.41E+08	607	634	1.41E+08	0.133177	0.0463	0
chr4	1.41E+08	1.41E+08	617	627	1.41E+08	0.172768	0.014584	0
chr4	1.41E+08	1.41E+08	573	592	1.41E+08	0.148901	0.030035	0
chr4	1.42E+08	1.42E+08	468	601	1.42E+08	-0.16489	0.019416	0
chr4	1.43E+08	1.43E+08	507	648	1.43E+08	-0.15805	0.023801	0

chr4	1.43E+08	1.43E+08	434	549	1.43E+08	-0.14315	0.036278	0
chr4	1.43E+08	1.43E+08	439	568	1.43E+08	-0.17571	0.0139	0
chr4	1.43E+08	1.43E+08	505	653	1.43E+08	-0.17484	0.014287	0
chr4	1.43E+08	1.43E+08	484	614	1.43E+08	-0.14727	0.032381	0
chr4	1.44E+08	1.44E+08	421	534	1.44E+08	-0.14706	0.032573	0
chr4	1.44E+08	1.44E+08	467	599	1.44E+08	-0.16317	0.020449	0
chr4	1.44E+08	1.44E+08	429	542	1.44E+08	-0.14135	0.038094	0
chr4	1.45E+08	1.45E+08	419	535	1.45E+08	-0.15663	0.024808	0
chr4	1.45E+08	1.45E+08	378	480	1.45E+08	-0.14869	0.031124	0
chr4	1.45E+08	1.46E+08	419	526	1.45E+08	-0.13215	0.048601	0
chr4	1.46E+08	1.46E+08	458	585	1.46E+08	-0.15713	0.024449	0
chr4	1.46E+08	1.46E+08	383	490	1.46E+08	-0.15947	0.022822	0
chr4	1.47E+08	1.47E+08	497	630	1.47E+08	-0.14614	0.033409	0
chr4	1.48E+08	1.48E+08	427	536	1.48E+08	-0.13203	0.048747	0
chr4	1.48E+08	1.48E+08	476	609	1.48E+08	-0.15952	0.022793	0
chr4	1.48E+08	1.48E+08	481	604	1.48E+08	-0.13255	0.048102	0
chr4	1.48E+08	1.48E+08	434	547	1.48E+08	-0.13788	0.041813	0
chr4	1.48E+08	1.48E+08	481	604	1.48E+08	-0.13255	0.048102	0
chr4	1.48E+08	1.49E+08	643	670	1.49E+08	0.136621	0.042236	0
chr4	1.5E+08	1.5E+08	481	493	1.5E+08	0.160412	0.02141	0
chr4	1.5E+08	1.5E+08	506	519	1.5E+08	0.159366	0.022096	0
chr4	1.5E+08	1.5E+08	426	548	1.50E+08	-0.16736	0.018016	0
chr4	1.5E+08	1.5E+08	429	554	1.5E+08	-0.17295	0.015161	0
chr4	1.5E+08	1.5E+08	392	504	1.5E+08	-0.16661	0.018434	0
chr4	1.5E+08	1.51E+08	459	585	1.5E+08	-0.15398	0.02678	0
chr4	1.51E+08	1.51E+08	456	584	1.51E+08	-0.16097	0.021834	0
chr4	1.52E+08	1.52E+08	499	631	1.52E+08	-0.14264	0.036787	0
chr4	1.52E+08	1.52E+08	494	631	1.52E+08	-0.15717	0.02442	0
chr4	1.52E+08	1.52E+08	533	546	1.52E+08	0.161198	0.020907	0
chr4	1.53E+08	1.53E+08	551	693	1.53E+08	-0.13484	0.045313	0
chr4	1.54E+08	1.54E+08	533	675	1.54E+08	-0.14479	0.034682	0
chr4	1.54E+08	1.54E+08	688	708	1.54E+08	0.154622	0.025442	0
chr4	1.54E+08	1.54E+08	621	641	1.54E+08	0.150232	0.028909	0
chr4	1.55E+08	1.55E+08	462	600	1.55E+08	-0.18111	0.011696	0
chr4	1.55E+08	1.55E+08	422	541	1.55E+08	-0.16242	0.020911	0
chr4	1.55E+08	1.55E+08	543	556	1.55E+08	0.16183	0.020509	0
chr4	1.56E+08	1.56E+08	432	548	1.56E+08	-0.14718	0.032459	0
chr4	1.56E+08	1.56E+08	404	518	1.56E+08	-0.16263	0.02078	0
chr4	1.57E+08	1.57E+08	422	548	1.57E+08	-0.18097	0.011747	0
chr4	1.57E+08	1.57E+08	364	472	1.57E+08	-0.17889	0.012563	0
chr4	1.57E+08	1.57E+08	390	494	1.57E+08	-0.14507	0.034411	0
chr4	1.57E+08	1.57E+08	372	467	1.57E+08	-0.13216	0.048592	0
chr4	1.57E+08	1.57E+08	452	579	1.57E+08	-0.16128	0.021637	0
chr4	1.57E+08	1.58E+08	448	574	1.57E+08	-0.16159	0.021437	0
chr4	1.57E+08	1.58E+08	453	583	1.58E+08	-0.16802	0.017655	0
chr4	1.58E+08	1.58E+08	443	563	1.58E+08	-0.14987	0.030108	0
chr4	1.58E+08	1.58E+08	421	531	1.58E+08	-0.13893	0.040662	0

chr4	1.58E+08	1.58E+08	426	550	1.58E+08	-0.17262	0.015318	0
chr4	1.59E+08	1.59E+08	410	515	1.59E+08	-0.13299	0.04756	0
chr4	1.59E+08	1.59E+08	444	567	1.59E+08	-0.15683	0.024663	0
chr4	1.6E+08	1.6E+08	615	638	1.6E+08	0.142993	0.03548	0
chr4	1.6E+08	1.6E+08	602	622	1.6E+08	0.148812	0.030112	0
chr4	1.6E+08	1.6E+08	445	569	1.6E+08	-0.15866	0.023375	0
chr4	1.6E+08	1.61E+08	394	495	1.61E+08	-0.13327	0.047209	0
chr4	1.61E+08	1.61E+08	365	469	1.61E+08	-0.16573	0.018932	0
chr4	1.61E+08	1.61E+08	384	500	1.61E+08	-0.18486	0.010349	0
chr4	1.61E+08	1.61E+08	400	503	1.61E+08	-0.1346	0.045604	0
chr4	1.62E+08	1.62E+08	358	466	1.62E+08	-0.18441	0.010504	0
chr4	1.62E+08	1.62E+08	357	453	1.62E+08	-0.14762	0.032062	0
chr4	1.62E+08	1.62E+08	411	530	1.62E+08	-0.17089	0.016162	0
chr4	1.62E+08	1.62E+08	391	505	1.62E+08	-0.17315	0.015064	0
chr4	1.62E+08	1.62E+08	410	534	1.62E+08	-0.18525	0.010216	0
chr4	1.62E+08	1.62E+08	404	509	1.62E+08	-0.13735	0.042412	0
chr4	1.63E+08	1.63E+08	341	440	1.63E+08	-0.17177	0.015728	0
chr4	1.63E+08	1.63E+08	404	509	1.63E+08	-0.13735	0.042412	0
chr4	1.63E+08	1.63E+08	400	513	1.63E+08	-0.163	0.020556	0
chr4	1.63E+08	1.64E+08	411	532	1.63E+08	-0.17632	0.013631	0
chr4	1.64E+08	1.64E+08	417	529	1.64E+08	-0.14726	0.032391	0
chr4	1.64E+08	1.64E+08	435	565	1.64E+08	-0.18127	0.011633	0
chr4	1.65E+08	1.65E+08	414	530	1.65E+08	-0.1604	0.022208	0
chr4	1.65E+08	1.65E+08	372	473	1.65E+08	-0.15057	0.029511	0
chr4	1.65E+08	1.65E+08	324	418	1.65E+08	-0.17155	0.015837	0
chr4	1.65E+08	1.65E+08	337	433	1.65E+08	-0.16566	0.018974	0
chr4	1.65E+08	1.65E+08	399	508	1.65E+08	-0.15248	0.027958	0
chr4	1.66E+08	1.66E+08	270	277	1.66E+08	0.159036	0.022315	0
chr4	1.67E+08	1.67E+08	489	633	1.67E+08	-0.17641	0.013595	0
chr4	1.67E+08	1.67E+08	468	592	1.67E+08	-0.14313	0.036301	0
chr4	1.67E+08	1.67E+08	389	488	1.67E+08	-0.13115	0.049874	0
chr4	1.68E+08	1.68E+08	294	383	1.68E+08	-0.18557	0.010112	0
chr4	1.68E+08	1.68E+08	343	446	1.68E+08	-0.18287	0.011044	0
chr4	1.68E+08	1.68E+08	422	539	1.68E+08	-0.15708	0.024482	0
chr4	1.68E+08	1.68E+08	414	524	1.68E+08	-0.14397	0.035469	0
chr4	1.68E+08	1.68E+08	411	520	1.68E+08	-0.14341	0.036019	0
chr4	1.68E+08	1.68E+08	425	547	1.68E+08	-0.16811	0.017605	0
chr4	1.69E+08	1.69E+08	429	540	1.69E+08	-0.13602	0.04393	0
chr4	1.69E+08	1.69E+08	437	561	1.69E+08	-0.1644	0.019705	0
chr4	1.69E+08	1.69E+08	500	643	1.69E+08	-0.16693	0.018255	0
chr4	1.69E+08	1.69E+08	528	670	1.69E+08	-0.14766	0.032029	0
chr4	1.69E+08	1.69E+08	512	650	1.69E+08	-0.14833	0.031433	0
chr4	1.69E+08	1.7E+08	670	688	1.69E+08	0.157716	0.023215	0
chr4	1.7E+08	1.7E+08	687	718	1.7E+08	0.132289	0.047397	0
chr4	1.7E+08	1.7E+08	674	682	1.7E+08	0.17894	0.011943	0
chr4	1.7E+08	1.7E+08	653	660	1.7E+08	0.18058	0.011315	0
chr4	1.7E+08	1.7E+08	610	637	1.7E+08	0.133479	0.045931	0

chr4	1.7E+08	1.7E+08	593	598	1.7E+08	0.18385	0.010149	0
chr4	1.71E+08	1.71E+08	534	558	1.71E+08	0.132538	0.047088	0
chr4	1.71E+08	1.71E+08	367	470	1.71E+08	-0.16092	0.021869	0
chr4	1.71E+08	1.71E+08	384	487	1.71E+08	-0.14685	0.032758	0
chr4	1.71E+08	1.72E+08	421	538	1.71E+08	-0.15782	0.023956	0
chr4	1.72E+08	1.72E+08	415	526	1.72E+08	-0.14599	0.033553	0
chr4	1.72E+08	1.72E+08	432	542	1.72E+08	-0.1313	0.049681	0
chr4	1.73E+08	1.73E+08	445	566	1.73E+08	-0.15103	0.02913	0
chr4	1.73E+08	1.73E+08	455	578	1.73E+08	-0.14924	0.030643	0
chr4	1.74E+08	1.74E+08	509	646	1.74E+08	-0.14791	0.031811	0
chr4	1.74E+08	1.74E+08	484	616	1.74E+08	-0.15196	0.028373	0
chr4	1.74E+08	1.74E+08	615	640	1.74E+08	0.138478	0.040167	0
chr4	1.74E+08	1.75E+08	553	696	1.74E+08	-0.13584	0.044131	0
chr4	1.75E+08	1.75E+08	501	635	1.75E+08	-0.14598	0.033558	0
chr4	1.76E+08	1.76E+08	479	493	1.76E+08	0.154401	0.025608	0
chr4	1.76E+08	1.77E+08	386	499	1.77E+08	-0.17448	0.014451	0
chr4	1.77E+08	1.77E+08	437	557	1.77E+08	-0.15408	0.026702	0
chr4	1.78E+08	1.78E+08	426	547	1.78E+08	-0.16472	0.019515	0
chr4	1.78E+08	1.78E+08	393	508	1.78E+08	-0.17434	0.014514	0
chr4	1.78E+08	1.78E+08	470	597	1.78E+08	-0.14911	0.030757	0
chr4	1.79E+08	1.79E+08	434	561	1.79E+08	-0.17434	0.014511	0
chr4	1.79E+08	1.79E+08	421	529	1.79E+08	-0.13348	0.046946	0
chr4	1.79E+08	1.79E+08	399	511	1.79E+08	-0.16097	0.021834	0
chr4	1.79E+08	1.79E+08	386	489	1.79E+08	-0.14527	0.034225	0
chr4	1.8E+08	1.8E+08	370	472	1.8E+08	-0.1553	0.025781	0
chr4	1.8E+08	1.8E+08	390	498	1.80E+08	-0.15671	0.024748	0
chr4	1.8E+08	1.8E+08	409	519	1.8E+08	-0.14767	0.03202	0
chr4	1.8E+08	1.8E+08	451	570	1.8E+08	-0.14187	0.037562	0
chr4	1.8E+08	1.8E+08	437	557	1.8E+08	-0.15408	0.026702	0
chr4	1.8E+08	1.81E+08	424	535	1.8E+08	-0.13951	0.040032	0
chr4	1.81E+08	1.81E+08	336	430	1.81E+08	-0.15991	0.022529	0
chr4	1.81E+08	1.81E+08	416	535	1.81E+08	-0.16699	0.018219	0
chr4	1.81E+08	1.81E+08	430	542	1.81E+08	-0.13799	0.04169	0
chr4	1.82E+08	1.82E+08	427	554	1.82E+08	-0.17969	0.012244	0
chr4	1.82E+08	1.82E+08	421	540	1.82E+08	-0.16318	0.020445	0
chr4	1.82E+08	1.82E+08	409	524	1.82E+08	-0.1615	0.021492	0
chr4	1.82E+08	1.82E+08	417	525	1.82E+08	-0.13631	0.043597	0
chr4	1.82E+08	1.82E+08	433	558	1.82E+08	-0.16994	0.016647	0
chr4	1.83E+08	1.83E+08	515	538	1.83E+08	0.132929	0.046604	0
chr4	1.83E+08	1.83E+08	559	572	1.83E+08	0.162796	0.019914	0
chr4	1.84E+08	1.84E+08	688	720	1.84E+08	0.130375	0.049834	0
chr4	1.85E+08	1.85E+08	581	595	1.85E+08	0.161612	0.020646	0
chr4	1.85E+08	1.85E+08	564	574	1.85E+08	0.170607	0.015621	0
chr4	1.85E+08	1.85E+08	648	677	1.85E+08	0.132801	0.046762	0
chr4	1.85E+08	1.86E+08	549	557	1.85E+08	0.175092	0.013535	0
chr4	1.86E+08	1.86E+08	525	683	1.86E+08	-0.18361	0.010783	0
chr4	1.87E+08	1.87E+08	658	683	1.87E+08	0.142165	0.036304	0

chr4	1.88E+08	1.88E+08	253	257	1.88E+08	0.173332	0.014323	0
chr4	1.88E+08	1.88E+08	438	569	1.88E+08	-0.18153	0.011535	0
chr4	1.88E+08	1.88E+08	416	535	1.88E+08	-0.16699	0.018219	0
chr4	1.89E+08	1.89E+08	443	563	1.89E+08	-0.14987	0.030108	0
chr4	1.89E+08	1.89E+08	462	597	1.89E+08	-0.17388	0.014726	0
chr4	1.9E+08	1.9E+08	405	521	1.9E+08	-0.1674	0.017995	0
chr4	1.9E+08	1.9E+08	425	550	1.9E+08	-0.17601	0.013769	0
chr4	1.91E+08	1.91E+08	1048	1333	1.91E+08	-0.15108	0.029096	0
chr5	200001	300000	1216	1145	250000	0.282759	0.000185	0
chr5	250001	350000	1724	1678	3.00E+05	0.23498	0.001521	0
chr5	650001	750000	1234	1152	7.00E+05	0.295165	0.000101	0
chr5	700001	800000	843	775	750000	0.317299	3.29E-05	0
chr5	1100001	1200000	2952	2923	1150000	0.210206	0.003996	0
chr5	1450001	1550000	2886	2766	1500000	0.257233	0.000593	0
chr5	1500001	1600000	2162	2095	1550000	0.241379	0.001168	0
chr5	9550001	9650000	1556	2056	9600000	-0.20604	0.005011	0
chr5	11500001	11600000	1590	2073	11550000	-0.18673	0.00973	0
chr5	12200001	12300000	1489	1948	12250000	-0.19169	0.008245	0
chr5	15150001	15250000	1645	2156	15200000	-0.19431	0.007544	0
chr5	15200001	15300000	1470	1926	15250000	-0.19383	0.007667	0
chr5	19000001	19100000	1134	1497	19050000	-0.20469	0.005256	0
chr5	19550001	19650000	1181	1540	19600000	-0.18696	0.009657	0
chr5	19850001	19950000	1266	1653	19900000	-0.18885	0.009069	0
chr5	20700001	20800000	97	137	20750000	-0.30216	8.84E-05	0
chr5	20750001	20850000	131	199	20800000	-0.40724	2.78E-07	0
chr5	20800001	20900000	162	246	20850000	-0.4067	2.87E-07	0
chr5	22450001	22550000	1252	1679	22500000	-0.2274	0.002269	0
chr5	22500001	22600000	1223	1612	22550000	-0.20246	0.005686	0
chr5	22700001	22800000	1211	1613	22750000	-0.21758	0.00329	0
chr5	22750001	22850000	1169	1540	22800000	-0.20169	0.005843	0
chr5	23050001	23150000	1207	1578	23100000	-0.19071	0.008521	0
chr5	23100001	23200000	1176	1547	23150000	-0.19962	0.006281	0
chr5	24900001	25000000	1369	1788	24950000	-0.18926	0.008945	0
chr5	26000001	26100000	1286	1742	26050000	-0.24189	0.001281	0
chr5	26350001	26450000	1274	1691	26400000	-0.21255	0.003961	0
chr5	26750001	26850000	1278	1693	26800000	-0.20973	0.004388	0
chr5	28050001	28150000	1156	1521	28100000	-0.19992	0.006217	0
chr5	29300001	29400000	1362	1797	29350000	-0.2039	0.005405	0
chr5	29700001	29800000	1221	1613	29750000	-0.20572	0.005067	0
chr5	29750001	29850000	1217	1654	29800000	-0.24667	0.001054	0
chr5	29800001	29900000	1299	1700	29850000	-0.19217	0.008111	0
chr5	29850001	29950000	1285	1726	29900000	-0.2297	0.002076	0
chr5	29900001	30000000	1356	1777	29950000	-0.19412	0.007591	0
chr5	30300001	30400000	1217	1695	30350000	-0.28199	0.000228	0
chr5	30350001	30450000	1192	1561	30400000	-0.19312	0.007853	0
chr5	30950001	31050000	1209	1577	3.10E+07	-0.18741	0.009515	0
chr5	41400001	41500000	1124	1480	41450000	-0.20099	0.005988	0

chr5	41450001	41550000	1088	1480	41500000	-0.24796	0.001	0
chr5	41500001	41600000	1079	1411	41550000	-0.19106	0.008421	0
chr5	41850001	41950000	1619	1629	41900000	0.187079	0.009101	0
chr5	42300001	42400000	1082	1468	42350000	-0.24419	0.001167	0
chr5	42350001	42450000	1097	1446	42400000	-0.20254	0.005671	0
chr5	42950001	43050000	1509	1510	4.30E+07	0.195007	0.006922	0
chr5	43050001	43150000	1338	1333	43100000	0.201364	0.005523	0
chr5	45200001	45300000	1015	1335	45250000	-0.1994	0.006331	0
chr5	45250001	45350000	976	1307	45300000	-0.22534	0.002455	0
chr5	45850001	45950000	769	1015	45900000	-0.20446	0.005299	0
chr5	46400001	46500000	45	59	46450000	-0.19483	0.007411	0
chr5	49350001	49450000	46	78	49400000	-0.56588	4.19E-12	0
chr5	49400001	49500000	210	287	49450000	-0.2547	0.000755	0
chr5	49750001	49850000	142	204	49800000	-0.32672	2.60E-05	0
chr5	49800001	49900000	206	294	49850000	-0.31721	4.21E-05	0
chr5	50350001	50450000	372	487	50400000	-0.19266	0.007979	0
chr5	50700001	50800000	397	538	50750000	-0.2425	0.001249	0
chr5	50750001	50850000	399	547	50800000	-0.25919	0.000624	0
chr5	50800001	50900000	401	537	50850000	-0.22536	0.002454	0
chr5	50850001	50950000	381	512	50900000	-0.23039	0.002021	0
chr5	50950001	51050000	369	482	5.10E+07	-0.18945	0.008888	0
chr5	51100001	51200000	407	532	51150000	-0.19043	0.0086	0
chr5	51550001	51650000	378	564	51600000	-0.38135	1.30E-06	0
chr5	51700001	51800000	475	633	51750000	-0.21831	0.003202	0
chr5	51900001	52000000	465	610	51950000	-0.19562	0.007213	0
chr5	51950001	52050000	439	634	5.20E+07	-0.3343	1.75E-05	0
chr5	52850001	52950000	462	614	52900000	-0.21438	0.003703	0
chr5	53850001	53950000	511	670	53900000	-0.19487	0.007399	0
chr5	54450001	54550000	656	639	54500000	0.233843	0.001593	0
chr5	56300001	56400000	466	616	56350000	-0.20664	0.004904	0
chr5	56800001	56900000	461	642	56850000	-0.28184	0.000229	0
chr5	58200001	58300000	655	648	58250000	0.211464	0.003813	0
chr5	58500001	58600000	1023	995	58550000	0.236001	0.001459	0
chr5	58550001	58650000	1017	1014	58600000	0.200225	0.005754	0
chr5	61050001	61150000	778	1015	61100000	-0.18767	0.00943	0
chr5	61100001	61200000	730	960	61150000	-0.19917	0.00638	0
chr5	62600001	62700000	565	742	62650000	-0.19721	0.00683	0
chr5	63700001	63800000	501	681	63750000	-0.24688	0.001045	0
chr5	64800001	64900000	975	977	64850000	0.193007	0.007424	0
chr5	64850001	64950000	952	949	64900000	0.200517	0.005694	0
chr5	68900001	69000000	4	4	68950000	0.195963	0.006694	0
chr5	69050001	69150000	1	1	69100000	0.195963	0.006694	0
chr5	69100001	69200000	1	1	69150000	0.195963	0.006694	0
chr5	69150001	69250000	1	1	69200000	0.195963	0.006694	0
chr5	69200001	69300000	2	4	69250000	-0.80404	3.29E-21	0
chr5	69250001	69350000	7	7	69300000	0.195963	0.006694	0
chr5	69300001	69400000	9	6	69350000	0.780926	1.60E-21	0

chr5	69350001	69450000	6	9	69400000	-0.389	8.31E-07	0
chr5	69400001	69500000	5	13	69450000	-1.18255	2.87E-38	0
chr5	69450001	69550000	2	6	69500000	-1.389	6.26E-48	0
chr5	69550001	69650000	4	1	69600000	2.195963	8.22E-92	0
chr5	69600001	69700000	5	2	69650000	1.517891	1.18E-59	0
chr5	69650001	69750000	5	4	69700000	0.517891	6.05E-11	0
chr5	69700001	69800000	4	3	69750000	0.611001	2.44E-14	0
chr5	69750001	69850000	5	2	69800000	1.517891	1.18E-59	0
chr5	69800001	69900000	6	2	69850000	1.780926	4.68E-73	0
chr5	69850001	69950000	1	3	69900000	-1.389	6.26E-48	0
chr5	69900001	70000000	2	5	69950000	-1.12597	1.27E-35	0
chr5	69950001	70050000	2	2	7.00E+07	0.195963	0.006694	0
chr5	70000001	70100000	1	3	70050000	-1.389	6.26E-48	0
chr5	70050001	70150000	1	4	70100000	-1.80404	2.39E-66	0
chr5	70100001	70200000	1	2	70150000	-0.80404	3.29E-21	0
chr5	70150001	70250000	5	3	70200000	0.932929	8.75E-29	0
chr5	70200001	70300000	6	4	70250000	0.780926	1.60E-21	0
chr5	70250001	70350000	33	48	70300000	-0.34461	1.02E-05	0
chr5	70300001	70400000	36	54	70350000	-0.389	8.31E-07	0
chr5	70350001	70450000	8	13	70400000	-0.50448	4.22E-10	0
chr5	70400001	70500000	5	7	70450000	-0.28946	0.000161	0
chr5	70450001	70550000	3	2	70500000	0.780926	1.60E-21	0
chr5	70550001	70650000	5	7	70600000	-0.28946	0.000161	0
chr5	77100001	77200000	736	969	77150000	-0.20083	0.006022	0
chr5	81950001	82050000	676	909	8.20E+07	-0.23129	0.001951	0
chr5	82000001	82100000	648	873	82050000	-0.23402	0.001753	0
chr5	82050001	82150000	651	857	82100000	-0.20067	0.006055	0
chr5	82100001	82200000	606	836	82150000	-0.26822	0.000422	0
chr5	82150001	82250000	575	761	82200000	-0.20837	0.004609	0
chr5	82850001	82950000	650	856	82900000	-0.20121	0.005943	0
chr5	82900001	83000000	636	871	82950000	-0.25768	0.000666	0
chr5	82950001	83050000	627	824	8.30E+07	-0.19822	0.006595	0
chr5	83200001	83300000	641	852	83250000	-0.21457	0.003679	0
chr5	83250001	83350000	620	828	83300000	-0.2214	0.002852	0
chr5	83300001	83400000	566	739	83350000	-0.18881	0.009081	0
chr5	83600001	83700000	600	797	83650000	-0.21365	0.003804	0
chr5	83750001	83850000	621	831	83800000	-0.22429	0.002556	0
chr5	84150001	84250000	519	697	84200000	-0.22946	0.002095	0
chr5	84750001	84850000	565	738	84800000	-0.18941	0.008901	0
chr5	84800001	84900000	520	741	84850000	-0.315	4.70E-05	0
chr5	84850001	84950000	492	685	84900000	-0.28148	0.000233	0
chr5	85250001	85350000	546	723	85300000	-0.20913	0.004484	0
chr5	85300001	85400000	569	742	85350000	-0.18703	0.009635	0
chr5	87150001	87250000	617	810	87200000	-0.19669	0.006952	0
chr5	88300001	88400000	654	854	88350000	-0.18898	0.009028	0
chr5	88600001	88700000	606	811	88650000	-0.22442	0.002543	0
chr5	88650001	88750000	620	849	88700000	-0.25753	0.00067	0

chr5	88800001	88900000	642	844	88850000	-0.19871	0.006484	0
chr5	88900001	89000000	531	692	88950000	-0.1861	0.009936	0
chr5	89050001	89150000	597	791	89100000	-0.20998	0.004348	0
chr5	89750001	89850000	845	850	89800000	0.187452	0.008987	0
chr5	89900001	90000000	682	890	89950000	-0.18807	0.009307	0
chr5	90350001	90450000	838	1096	90400000	-0.19126	0.008363	0
chr5	90600001	90700000	926	924	90650000	0.199082	0.005993	0
chr5	91000001	91100000	630	855	91050000	-0.24461	0.001147	0
chr5	91600001	91700000	360	471	91650000	-0.19177	0.008222	0
chr5	96450001	96550000	911	917	96500000	0.186492	0.009284	0
chr5	96500001	96600000	741	739	96550000	0.199862	0.005829	0
chr5	96750001	96850000	663	899	96800000	-0.24335	0.001207	0
chr5	97000001	97100000	527	725	97050000	-0.26421	0.000503	0
chr5	97400001	97500000	514	677	97450000	-0.20142	0.005898	0
chr5	97850001	97950000	607	811	97900000	-0.22204	0.002784	0
chr5	98700001	98800000	342	462	98750000	-0.23793	0.001501	0
chr5	99600001	99700000	395	528	99650000	-0.22272	0.002713	0
chr5	99950001	1E+08	576	764	1.00E+08	-0.21154	0.004109	0
chr5	1E+08	1.01E+08	559	730	1E+08	-0.18909	0.008997	0
chr5	1.01E+08	1.01E+08	587	774	1.01E+08	-0.20301	0.005578	0
chr5	1.01E+08	1.01E+08	565	766	1.01E+08	-0.24313	0.001218	0
chr5	1.02E+08	1.02E+08	514	691	1.02E+08	-0.23095	0.001977	0
chr5	1.02E+08	1.02E+08	634	858	1.02E+08	-0.24053	0.001353	0
chr5	1.02E+08	1.02E+08	605	819	1.02E+08	-0.24097	0.00133	0
chr5	1.02E+08	1.02E+08	693	923	1.02E+08	-0.21751	0.003299	0
chr5	1.03E+08	1.03E+08	610	857	1.03E+08	-0.29452	0.000127	0
chr5	1.03E+08	1.03E+08	559	807	1.03E+08	-0.33376	1.80E-05	0
chr5	1.03E+08	1.03E+08	484	644	1.03E+08	-0.21609	0.003477	0
chr5	1.04E+08	1.04E+08	584	802	1.04E+08	-0.26167	0.000561	0
chr5	1.04E+08	1.04E+08	564	783	1.04E+08	-0.27735	0.000281	0
chr5	1.04E+08	1.04E+08	554	738	1.04E+08	-0.21777	0.003267	0
chr5	1.04E+08	1.04E+08	569	748	1.04E+08	-0.19865	0.006498	0
chr5	1.04E+08	1.04E+08	543	739	1.04E+08	-0.24866	0.000971	0
chr5	1.04E+08	1.05E+08	549	742	1.04E+08	-0.23865	0.001459	0
chr5	1.05E+08	1.05E+08	475	624	1.05E+08	-0.19766	0.006724	0
chr5	1.05E+08	1.05E+08	563	767	1.05E+08	-0.25013	0.000914	0
chr5	1.05E+08	1.05E+08	521	753	1.05E+08	-0.3354	1.65E-05	0
chr5	1.05E+08	1.05E+08	552	730	1.05E+08	-0.20727	0.004795	0
chr5	1.05E+08	1.05E+08	574	756	1.05E+08	-0.20137	0.005909	0
chr5	1.05E+08	1.06E+08	598	781	1.05E+08	-0.18921	0.008959	0
chr5	1.06E+08	1.06E+08	524	683	1.06E+08	-0.18636	0.009851	0
chr5	1.06E+08	1.06E+08	531	712	1.06E+08	-0.2272	0.002286	0
chr5	1.07E+08	1.07E+08	700	919	1.07E+08	-0.19675	0.006938	0
chr5	1.07E+08	1.07E+08	663	937	1.07E+08	-0.30308	8.45E-05	0
chr5	1.07E+08	1.07E+08	686	926	1.07E+08	-0.23684	0.001568	0
chr5	1.07E+08	1.07E+08	633	862	1.07E+08	-0.24952	0.000937	0
chr5	1.07E+08	1.07E+08	603	797	1.07E+08	-0.20646	0.004936	0



chr5	1.09E+08	1.09E+08	665	898	1.09E+08	-0.2374	0.001534	0
chr5	1.12E+08	1.12E+08	838	836	1.12E+08	0.19941	0.005924	0
chr5	1.13E+08	1.13E+08	620	811	1.13E+08	-0.19147	0.008305	0
chr5	1.14E+08	1.14E+08	553	738	1.14E+08	-0.22038	0.002964	0
chr5	1.14E+08	1.14E+08	547	740	1.14E+08	-0.24002	0.001381	0
chr5	1.14E+08	1.14E+08	626	816	1.14E+08	-0.18644	0.009823	0
chr5	1.14E+08	1.14E+08	479	635	1.14E+08	-0.21077	0.004226	0
chr5	1.14E+08	1.14E+08	612	806	1.14E+08	-0.20129	0.005927	0
chr5	1.15E+08	1.15E+08	703	1001	1.15E+08	-0.31388	4.97E-05	0
chr5	1.15E+08	1.15E+08	740	965	1.15E+08	-0.18704	0.009631	0
chr5	1.16E+08	1.16E+08	555	726	1.16E+08	-0.19152	0.008292	0
chr5	1.16E+08	1.16E+08	632	827	1.16E+08	-0.192	0.008158	0
chr5	1.16E+08	1.16E+08	591	784	1.16E+08	-0.21173	0.004081	0
chr5	1.17E+08	1.17E+08	606	814	1.17E+08	-0.22975	0.002072	0
chr5	1.18E+08	1.18E+08	565	764	1.18E+08	-0.23936	0.001418	0
chr5	1.19E+08	1.19E+08	594	857	1.19E+08	-0.33287	1.89E-05	0
chr5	1.19E+08	1.19E+08	598	859	1.19E+08	-0.32655	2.62E-05	0
chr5	1.2E+08	1.2E+08	578	763	1.2E+08	-0.20465	0.005264	0
chr5	1.2E+08	1.2E+08	557	759	1.2E+08	-0.25046	0.000902	0
chr5	1.21E+08	1.21E+08	557	728	1.21E+08	-0.1903	0.008639	0
chr5	1.21E+08	1.21E+08	585	771	1.21E+08	-0.20233	0.005713	0
chr5	1.23E+08	1.23E+08	784	1029	1.23E+08	-0.19635	0.007033	0
chr5	1.24E+08	1.24E+08	709	930	1.24E+08	-0.19548	0.007247	0
chr5	1.25E+08	1.25E+08	698	926	1.25E+08	-0.21182	0.004067	0
chr5	1.25E+08	1.25E+08	599	797	1.25E+08	-0.21606	0.003481	0
chr5	1.25E+08	1.25E+08	630	832	1.25E+08	-0.20527	0.005149	0
chr5	1.25E+08	1.25E+08	686	903	1.25E+08	-0.20055	0.00608	0
chr5	1.25E+08	1.25E+08	647	887	1.25E+08	-0.25921	0.000624	0
chr5	1.25E+08	1.25E+08	694	913	1.25E+08	-0.19972	0.006261	0
chr5	1.26E+08	1.26E+08	797	793	1.26E+08	0.203222	0.005165	0
chr5	1.27E+08	1.27E+08	597	790	1.27E+08	-0.20816	0.004644	0
chr5	1.27E+08	1.27E+08	573	791	1.27E+08	-0.26918	0.000405	0
chr5	1.28E+08	1.28E+08	631	835	1.28E+08	-0.20817	0.004642	0
chr5	1.29E+08	1.29E+08	626	820	1.29E+08	-0.1935	0.007754	0
chr5	1.3E+08	1.3E+08	595	777	1.3E+08	-0.18906	0.009004	0
chr5	1.32E+08	1.32E+08	1188	1172	1.32E+08	0.215525	0.003272	0
chr5	1.32E+08	1.32E+08	730	720	1.32E+08	0.215863	0.00323	0
chr5	1.32E+08	1.32E+08	756	732	1.32E+08	0.242506	0.001115	0
chr5	1.33E+08	1.33E+08	936	910	1.33E+08	0.236605	0.001423	0
chr5	1.33E+08	1.33E+08	962	965	1.33E+08	0.191471	0.00783	0
chr5	1.33E+08	1.34E+08	1085	1066	1.34E+08	0.221451	0.002606	0
chr5	1.34E+08	1.34E+08	937	897	1.34E+08	0.258904	0.000551	0
chr5	1.34E+08	1.34E+08	998	1002	1.34E+08	0.190192	0.008183	0
chr5	1.34E+08	1.34E+08	1076	1037	1.34E+08	0.249225	0.000839	0
chr5	1.34E+08	1.34E+08	791	790	1.34E+08	0.197788	0.006276	0
chr5	1.34E+08	1.35E+08	1125	1121	1.34E+08	0.201102	0.005575	0
chr5	1.35E+08	1.35E+08	1132	1119	1.35E+08	0.212627	0.00365	0

chr5	1.35E+08	1.35E+08	1133	1127	1.35E+08	0.203623	0.00509	0
chr5	1.38E+08	1.38E+08	909	894	1.38E+08	0.219968	0.00276	0
chr5	1.38E+08	1.38E+08	957	953	1.38E+08	0.202006	0.005397	0
chr5	1.38E+08	1.38E+08	1043	1018	1.38E+08	0.230965	0.001789	0
chr5	1.38E+08	1.38E+08	1317	1299	1.38E+08	0.215817	0.003235	0
chr5	1.39E+08	1.39E+08	1241	1228	1.39E+08	0.211156	0.003857	0
chr5	1.39E+08	1.39E+08	1374	1350	1.39E+08	0.221386	0.002612	0
chr5	1.45E+08	1.45E+08	912	1239	1.45E+08	-0.24611	0.001079	0
chr5	1.45E+08	1.45E+08	875	1158	1.45E+08	-0.20832	0.004618	0
chr5	1.49E+08	1.49E+08	1521	1520	1.49E+08	0.196912	0.006473	0
chr5	1.49E+08	1.49E+08	1343	1338	1.49E+08	0.201344	0.005527	0
chr5	1.49E+08	1.49E+08	1186	1188	1.49E+08	0.193532	0.007289	0
chr5	1.49E+08	1.49E+08	1302	1286	1.49E+08	0.213802	0.003492	0
chr5	1.5E+08	1.5E+08	1370	1373	1.5E+08	0.192807	0.007475	0
chr5	1.5E+08	1.5E+08	1530	1521	1.5E+08	0.204475	0.004935	0
chr5	1.55E+08	1.55E+08	488	676	1.55E+08	-0.27418	0.000324	0
chr5	1.56E+08	1.56E+08	879	1156	1.56E+08	-0.19924	0.006364	0
chr5	1.56E+08	1.56E+08	896	1190	1.56E+08	-0.21343	0.003836	0
chr5	1.56E+08	1.56E+08	780	1041	1.56E+08	-0.22046	0.002954	0
chr5	1.6E+08	1.6E+08	908	1208	1.60E+08	-0.21589	0.003503	0
chr5	1.63E+08	1.63E+08	833	1104	1.63E+08	-0.21039	0.004285	0
chr5	1.63E+08	1.63E+08	808	1064	1.63E+08	-0.20111	0.005964	0
chr5	1.65E+08	1.66E+08	815	1068	1.66E+08	-0.19408	0.007603	0
chr5	1.66E+08	1.66E+08	872	1151	1.66E+08	-0.20452	0.005287	0
chr5	1.67E+08	1.67E+08	900	1183	1.67E+08	-0.19849	0.006533	0
chr5	1.71E+08	1.71E+08	1080	1068	1.71E+08	0.212083	0.003725	0
chr5	1.71E+08	1.71E+08	1237	1226	1.71E+08	0.20885	0.004202	0
chr5	1.72E+08	1.72E+08	1533	1511	1.72E+08	0.216817	0.003114	0
chr5	1.72E+08	1.72E+08	1312	1318	1.72E+08	0.18938	0.008414	0
chr5	1.72E+08	1.73E+08	1209	1144	1.72E+08	0.27569	0.000257	0
chr5	1.72E+08	1.73E+08	1217	1194	1.73E+08	0.223489	0.002407	0
chr5	1.73E+08	1.73E+08	1504	1497	1.73E+08	0.202693	0.005265	0
chr5	1.75E+08	1.75E+08	62	56	1.75E+08	0.342804	8.26E-06	0
chr5	1.76E+08	1.76E+08	1469	1469	1.76E+08	0.195963	0.006694	0
chr5	1.76E+08	1.76E+08	1574	1551	1.76E+08	0.2172	0.003069	0
chr5	1.76E+08	1.76E+08	1567	1558	1.76E+08	0.204273	0.004971	0
chr5	1.76E+08	1.77E+08	1114	1123	1.76E+08	0.184354	0.009978	0
chr5	1.77E+08	1.77E+08	1485	1491	1.77E+08	0.190146	0.008196	0
chr5	1.77E+08	1.77E+08	1532	1521	1.77E+08	0.206359	0.004606	0
chr5	1.77E+08	1.77E+08	1624	1452	1.77E+08	0.357473	3.58E-06	0
chr5	1.77E+08	1.77E+08	1683	1494	1.77E+08	0.367818	1.95E-06	0
chr5	1.77E+08	1.77E+08	1382	1340	1.77E+08	0.240488	0.001213	0
chr5	1.77E+08	1.77E+08	769	698	1.77E+08	0.33572	1.22E-05	0
chr5	1.77E+08	1.77E+08	62	61	1.77E+08	0.219422	0.002818	0
chr5	1.77E+08	1.77E+08	18	16	1.77E+08	0.365888	2.19E-06	0
chr5	1.78E+08	1.78E+08	1252	1250	1.78E+08	0.19827	0.006169	0
chr5	1.78E+08	1.78E+08	1244	1235	1.78E+08	0.206438	0.004593	0

chr5	1.79E+08	1.79E+08	969	887	1.79E+08	0.323526	2.37E-05	0
chr5	1.79E+08	1.79E+08	1164	1147	1.79E+08	0.217189	0.003071	0
chr5	1.79E+08	1.79E+08	1400	1403	1.79E+08	0.192875	0.007458	0
chr5	1.8E+08	1.8E+08	1445	1419	1.8E+08	0.222158	0.002535	0
chr5	1.8E+08	1.8E+08	1164	1160	1.8E+08	0.200929	0.00561	0
chr5	1.8E+08	1.8E+08	1204	1192	1.8E+08	0.210414	0.003965	0
chr5	1.81E+08	1.81E+08	1312	1220	1.81E+08	0.30085	7.63E-05	0
chr5	1.81E+08	1.81E+08	1326	1249	1.81E+08	0.28227	0.000189	0
chr5	1.81E+08	1.81E+08	752	732	1.81E+08	0.234852	0.001529	0
chr5	1.81E+08	1.81E+08	83	72	1.81E+08	0.401077	2.52E-07	0
chr5	150001	250000	1978	2064	2.00E+05	0.134562	0.044628	0
chr5	300001	400000	2463	2560	350000	0.140236	0.038285	0
chr5	450001	550000	2824	2848	5.00E+05	0.183754	0.010181	0
chr5	600001	700000	2178	2229	650000	0.16257	0.020052	0
chr5	750001	850000	929	955	8.00E+05	0.156141	0.024328	0
chr5	850001	950000	2413	2487	9.00E+05	0.152384	0.027163	0
chr5	950001	1050000	2353	2460	1.00E+06	0.131806	0.048002	0
chr5	1000001	1100000	2600	2695	1050000	0.144189	0.034316	0
chr5	1050001	1150000	2819	2865	1100000	0.172611	0.014657	0
chr5	1150001	1250000	3055	3121	1200000	0.165127	0.018539	0
chr5	1200001	1300000	2861	2947	1250000	0.153235	0.026498	0
chr5	1250001	1350000	2457	2511	1300000	0.164599	0.018843	0
chr5	1550001	1650000	1188	1200	1600000	0.181463	0.010989	0
chr5	1600001	1700000	1706	1722	1650000	0.182496	0.010618	0
chr5	1750001	1850000	2662	2774	1800000	0.136506	0.042366	0
chr5	1800001	1900000	2745	2810	1850000	0.162199	0.02028	0
chr5	3000001	3100000	1776	2256	3050000	-0.14917	0.030701	0
chr5	4400001	4500000	1502	1891	4450000	-0.1363	0.043603	0
chr5	4500001	4600000	1532	1975	4550000	-0.17047	0.016372	0
chr5	4550001	4650000	1467	1898	4600000	-0.17565	0.013926	0
chr5	4750001	4850000	1489	1937	4800000	-0.18352	0.010814	0
chr5	4800001	4900000	1596	2071	4850000	-0.1799	0.012158	0
chr5	4950001	5050000	1614	2050	5.00E+06	-0.14902	0.030833	0
chr5	6850001	6950000	1869	2368	6900000	-0.14544	0.034066	0
chr5	6900001	7000000	1654	2111	6950000	-0.156	0.025259	0
chr5	7250001	7350000	1116	1406	7300000	-0.1373	0.042469	0
chr5	7300001	7400000	1463	1852	7350000	-0.14419	0.035257	0
chr5	7350001	7450000	1692	2181	7400000	-0.1703	0.016462	0
chr5	7550001	7650000	1653	2128	7600000	-0.16845	0.017426	0
chr5	8500001	8600000	1655	2084	8550000	-0.13656	0.043305	0
chr5	8550001	8650000	1610	2036	8600000	-0.14271	0.036711	0
chr5	8800001	8900000	1594	2070	8850000	-0.18102	0.01173	0
chr5	8850001	8950000	1538	1957	8900000	-0.15163	0.028645	0
chr5	8950001	9050000	1405	1765	9.00E+06	-0.13314	0.047375	0
chr5	9100001	9200000	1600	2011	9150000	-0.13388	0.046467	0
chr5	9250001	9350000	1506	1891	9300000	-0.13246	0.048207	0
chr5	9600001	9700000	1612	2028	9650000	-0.13524	0.044836	0

chr5	9800001	9900000	1762	2230	9850000	-0.14387	0.035572	0
chr5	10050001	10150000	1902	2398	10100000	-0.13835	0.041294	0
chr5	10250001	10350000	2362	2399	10300000	0.173539	0.014229	0
chr5	10500001	10600000	2394	2482	10550000	0.143883	0.034611	0
chr5	11200001	11300000	1730	2176	11250000	-0.13494	0.04519	0
chr5	11450001	11550000	1617	2095	11500000	-0.17767	0.013061	0
chr5	11550001	11650000	1619	2037	11600000	-0.13538	0.044675	0
chr5	11650001	11750000	1510	1913	11700000	-0.14533	0.034173	0
chr5	11700001	11800000	1578	2012	11750000	-0.15457	0.026329	0
chr5	11750001	11850000	1540	1956	11800000	-0.14901	0.030839	0
chr5	12150001	12250000	1407	1784	12200000	-0.14653	0.033053	0
chr5	12250001	12350000	1479	1909	12300000	-0.17223	0.015502	0
chr5	12450001	12550000	1417	1805	12500000	-0.1532	0.027389	0
chr5	12500001	12600000	1406	1803	12550000	-0.16284	0.020652	0
chr5	12850001	12950000	1547	1972	12900000	-0.15422	0.026593	0
chr5	13050001	13150000	1511	1925	13100000	-0.15339	0.027236	0
chr5	13650001	13750000	1668	2093	13700000	-0.13149	0.049436	0
chr5	15100001	15200000	1735	2190	15150000	-0.14003	0.039476	0
chr5	16350001	16450000	1689	2150	16400000	-0.1522	0.028176	0
chr5	16850001	16950000	2169	2250	16900000	0.143068	0.035406	0
chr5	16900001	17000000	1957	1978	16950000	0.180564	0.011321	0
chr5	17500001	17600000	171	177	17550000	0.14621	0.032422	0
chr5	18450001	18550000	1217	1532	18500000	-0.13612	0.043808	0
chr5	18550001	18650000	1356	1701	18600000	-0.13106	0.049983	0
chr5	18600001	18700000	1200	1547	18650000	-0.17048	0.016371	0
chr5	18650001	18750000	1193	1498	18700000	-0.13248	0.048187	0
chr5	19150001	19250000	1145	1447	19200000	-0.14175	0.037681	0
chr5	19200001	19300000	1243	1566	19250000	-0.13729	0.042471	0
chr5	19250001	19350000	1211	1577	19300000	-0.18502	0.010294	0
chr5	19300001	19400000	1238	1605	19350000	-0.1786	0.012678	0
chr5	19350001	19450000	1242	1583	19400000	-0.15403	0.026739	0
chr5	19500001	19600000	1137	1449	19550000	-0.15386	0.026871	0
chr5	19800001	19900000	1176	1501	19850000	-0.15607	0.025209	0
chr5	19900001	20000000	1279	1627	19950000	-0.15123	0.028964	0
chr5	19950001	20050000	1199	1509	2.00E+07	-0.1358	0.044186	0
chr5	20300001	20400000	1124	1416	20350000	-0.13722	0.04256	0
chr5	20850001	20950000	202	260	20900000	-0.16819	0.017563	0
chr5	20950001	21050000	1244	1582	2.10E+07	-0.1508	0.029323	0
chr5	21000001	21100000	1285	1630	21050000	-0.14714	0.032497	0
chr5	21550001	21650000	1417	1787	21600000	-0.13874	0.040871	0
chr5	21600001	21700000	1194	1536	21650000	-0.16741	0.017987	0
chr5	21650001	21750000	1215	1572	21700000	-0.17568	0.013911	0
chr5	21700001	21800000	1264	1635	21750000	-0.17533	0.014066	0
chr5	21750001	21850000	1266	1597	21800000	-0.13912	0.04045	0
chr5	21800001	21900000	1197	1526	21850000	-0.15437	0.026482	0
chr5	21950001	22050000	529	677	2.20E+07	-0.15993	0.022521	0
chr5	22250001	22350000	1163	1459	22300000	-0.13117	0.049851	0

chr5	22400001	22500000	1235	1594	22450000	-0.17218	0.015529	0
chr5	22550001	22650000	1296	1653	22600000	-0.15506	0.025961	0
chr5	22950001	23050000	1226	1548	2.30E+07	-0.14048	0.038999	0
chr5	23000001	23100000	1188	1545	23050000	-0.18311	0.010959	0
chr5	23150001	23250000	1226	1555	23200000	-0.14699	0.032631	0
chr5	23350001	23450000	1201	1531	23400000	-0.15428	0.026554	0
chr5	23400001	23500000	1279	1635	23450000	-0.15831	0.023616	0
chr5	23950001	24050000	1283	1640	2.40E+07	-0.15821	0.023685	0
chr5	24000001	24100000	1327	1678	24050000	-0.14261	0.036813	0
chr5	24200001	24300000	1314	1699	24250000	-0.17476	0.014323	0
chr5	24250001	24350000	1271	1650	24300000	-0.18054	0.011912	0
chr5	24300001	24400000	1158	1471	24350000	-0.1492	0.030678	0
chr5	24450001	24550000	1348	1699	24500000	-0.1379	0.041791	0
chr5	24550001	24650000	1430	1800	24600000	-0.13602	0.04393	0
chr5	24600001	24700000	1380	1732	24650000	-0.13181	0.049033	0
chr5	24850001	24950000	1486	1925	24900000	-0.17746	0.013147	0
chr5	25050001	25150000	1200	1523	25100000	-0.14792	0.031799	0
chr5	25100001	25200000	1179	1491	25150000	-0.14275	0.036671	0
chr5	25400001	25500000	1262	1597	25450000	-0.14369	0.035745	0
chr5	25550001	25650000	1330	1689	25600000	-0.14878	0.031041	0
chr5	26550001	26650000	1320	1665	26600000	-0.13902	0.040561	0
chr5	26600001	26700000	1382	1752	26650000	-0.14628	0.033281	0
chr5	26650001	26750000	1352	1706	26700000	-0.13956	0.03998	0
chr5	26700001	26800000	1288	1635	26750000	-0.1482	0.031554	0
chr5	26800001	26900000	1303	1680	26850000	-0.17066	0.016278	0
chr5	27550001	27650000	1246	1593	27600000	-0.15848	0.0235	0
chr5	27600001	27700000	1207	1528	27650000	-0.14426	0.035194	0
chr5	27650001	27750000	1258	1592	27700000	-0.14375	0.035691	0
chr5	27700001	27800000	1287	1627	27750000	-0.14224	0.037188	0
chr5	28000001	28100000	1183	1538	28050000	-0.18264	0.011127	0
chr5	28300001	28400000	1329	1674	28350000	-0.137	0.04281	0
chr5	28350001	28450000	1322	1662	28400000	-0.13424	0.046036	0
chr5	29250001	29350000	1346	1716	29300000	-0.15441	0.026452	0
chr5	30250001	30350000	1346	1691	30300000	-0.13324	0.047252	0
chr5	30850001	30950000	1338	1704	30900000	-0.15288	0.027635	0
chr5	30900001	31000000	1278	1608	30950000	-0.13542	0.044632	0
chr5	31000001	31100000	1308	1704	31050000	-0.1856	0.0101	0
chr5	31450001	31550000	1795	1878	31500000	0.13075	0.049348	0
chr5	33000001	33100000	1441	1815	33050000	-0.13694	0.042877	0
chr5	34100001	34200000	134	140	34150000	0.132769	0.046801	0
chr5	35500001	35600000	1080	1359	35550000	-0.13555	0.044474	0
chr5	36500001	36600000	1161	1481	36550000	-0.15524	0.025824	0
chr5	37900001	38000000	1356	1702	37950000	-0.13191	0.048902	0
chr5	39500001	39600000	1286	1619	39550000	-0.13625	0.043663	0
chr5	40050001	40150000	1118	1443	40100000	-0.17219	0.015524	0
chr5	40100001	40200000	1078	1363	40150000	-0.14247	0.03696	0
chr5	40150001	40250000	1152	1478	40200000	-0.16354	0.020222	0

chr5	40550001	40650000	1125	1427	40600000	-0.1471	0.032536	0
chr5	41000001	41100000	1147	1448	41050000	-0.14023	0.039263	0
chr5	41050001	41150000	1123	1435	41100000	-0.15773	0.024022	0
chr5	41150001	41250000	1110	1393	41200000	-0.13167	0.049204	0
chr5	42000001	42100000	1107	1397	42050000	-0.13971	0.039815	0
chr5	42150001	42250000	1155	1481	42200000	-0.16272	0.020729	0
chr5	42200001	42300000	1106	1400	42250000	-0.14411	0.035333	0
chr5	42250001	42350000	1043	1333	42300000	-0.15797	0.02385	0
chr5	42700001	42800000	1171	1473	42750000	-0.13505	0.04506	0
chr5	43000001	43100000	1386	1403	43050000	0.178375	0.012166	0
chr5	43100001	43200000	1410	1437	43150000	0.168598	0.016641	0
chr5	44200001	44300000	1117	1433	44250000	-0.16345	0.02028	0
chr5	44650001	44750000	1054	1356	44700000	-0.16752	0.017928	0
chr5	44700001	44800000	1071	1347	44750000	-0.13483	0.045326	0
chr5	45000001	45100000	1057	1376	45050000	-0.18454	0.010457	0
chr5	45050001	45150000	1021	1294	45100000	-0.14589	0.033643	0
chr5	45700001	45800000	933	1178	45750000	-0.14043	0.039058	0
chr5	45800001	45900000	872	1105	45850000	-0.14568	0.033837	0
chr5	45900001	46000000	856	1091	45950000	-0.15401	0.02676	0
chr5	46100001	46200000	795	1006	46150000	-0.14364	0.035793	0
chr5	49600001	49700000	243	305	49650000	-0.13189	0.048929	0
chr5	49850001	49950000	220	278	49900000	-0.14162	0.03782	0
chr5	50300001	50400000	400	512	50350000	-0.16018	0.022351	0
chr5	50900001	51000000	367	476	50950000	-0.17922	0.012429	0
chr5	51450001	51550000	431	447	51500000	0.143376	0.035104	0
chr5	51500001	51600000	417	543	51550000	-0.18494	0.010321	0
chr5	51600001	51700000	410	519	51650000	-0.14415	0.035299	0
chr5	51650001	51750000	458	580	51700000	-0.14474	0.034727	0
chr5	51800001	51900000	445	559	51850000	-0.13308	0.047443	0
chr5	51850001	51950000	462	582	51900000	-0.13716	0.04262	0
chr5	52500001	52600000	448	579	52550000	-0.1741	0.014622	0
chr5	52550001	52650000	495	628	52600000	-0.14737	0.032287	0
chr5	52900001	53000000	434	564	52950000	-0.18204	0.011348	0
chr5	53100001	53200000	427	542	53150000	-0.14809	0.031644	0
chr5	53650001	53750000	450	570	53700000	-0.14507	0.034411	0
chr5	53900001	54000000	504	648	53950000	-0.16661	0.018434	0
chr5	54350001	54450000	484	615	54400000	-0.14962	0.03032	0
chr5	55150001	55250000	587	614	55200000	0.131085	0.048918	0
chr5	55200001	55300000	591	618	55250000	0.131514	0.048371	0
chr5	56150001	56250000	626	643	56200000	0.157307	0.0235	0
chr5	56400001	56500000	509	515	56450000	0.179056	0.011897	0
chr5	56550001	56650000	481	608	56600000	-0.14207	0.037358	0
chr5	56600001	56700000	458	577	56650000	-0.13726	0.04251	0
chr5	56750001	56850000	454	581	56800000	-0.15988	0.022549	0
chr5	56850001	56950000	540	700	56900000	-0.17843	0.012746	0
chr5	58350001	58450000	1012	1053	58400000	0.138667	0.039961	0
chr5	58600001	58700000	935	973	58650000	0.13849	0.040154	0

chr5	58750001	58850000	989	1005	58800000	0.17281	0.014564	0
chr5	59000001	59100000	1051	1085	59050000	0.150031	0.029077	0
chr5	59300001	59400000	700	886	59350000	-0.14399	0.035453	0
chr5	59350001	59450000	751	947	59400000	-0.13859	0.041033	0
chr5	61350001	61450000	728	937	61400000	-0.16815	0.017587	0
chr5	61650001	61750000	797	833	61700000	0.132226	0.047475	0
chr5	61700001	61800000	756	784	61750000	0.143496	0.034987	0
chr5	62050001	62150000	556	702	62100000	-0.14042	0.039062	0
chr5	62150001	62250000	584	745	62200000	-0.15531	0.025773	0
chr5	62200001	62300000	650	820	62250000	-0.13922	0.040344	0
chr5	62550001	62650000	578	747	62600000	-0.17408	0.014634	0
chr5	62650001	62750000	591	769	62700000	-0.18386	0.010693	0
chr5	63600001	63700000	625	788	63650000	-0.13838	0.041266	0
chr5	63650001	63750000	590	759	63700000	-0.16742	0.017982	0
chr5	63750001	63850000	617	803	63800000	-0.18417	0.010587	0
chr5	63800001	63900000	777	982	63850000	-0.14185	0.037588	0
chr5	63850001	63950000	769	970	63900000	-0.13904	0.040543	0
chr5	63950001	64050000	724	910	6.40E+07	-0.13391	0.046424	0
chr5	64300001	64400000	894	934	64350000	0.132815	0.046744	0
chr5	64650001	64750000	666	858	64700000	-0.16949	0.016876	0
chr5	65700001	65800000	693	886	65750000	-0.15849	0.023494	0
chr5	65750001	65850000	736	941	65800000	-0.15853	0.023468	0
chr5	66700001	66800000	659	853	66750000	-0.1763	0.01364	0
chr5	67250001	67350000	646	822	67300000	-0.15164	0.028632	0
chr5	67300001	67400000	633	800	67350000	-0.14183	0.037602	0
chr5	67350001	67450000	616	782	67400000	-0.14828	0.031483	0
chr5	67800001	67900000	746	965	67850000	-0.17539	0.01404	0
chr5	68150001	68250000	721	916	68200000	-0.14939	0.030518	0
chr5	68200001	68300000	766	972	68250000	-0.14765	0.032039	0
chr5	70700001	70800000	464	477	70750000	0.156099	0.024358	0
chr5	70750001	70850000	762	787	70800000	0.14939	0.029617	0
chr5	70800001	70900000	734	768	70850000	0.130637	0.049494	0
chr5	70850001	70950000	756	788	70900000	0.136154	0.042769	0
chr5	70900001	71000000	779	813	70950000	0.134331	0.044904	0
chr5	71400001	71500000	1013	1032	71450000	0.169154	0.016353	0
chr5	71550001	71650000	900	940	71600000	0.133227	0.046238	0
chr5	71950001	72050000	691	867	7.20E+07	-0.13138	0.049572	0
chr5	72050001	72150000	898	937	72100000	0.134629	0.044549	0
chr5	72600001	72700000	811	1037	72650000	-0.15868	0.023363	0
chr5	72850001	72950000	911	938	72900000	0.153826	0.026044	0
chr5	73350001	73450000	707	919	73400000	-0.18239	0.011218	0
chr5	73500001	73600000	728	915	73550000	-0.13387	0.046477	0
chr5	73750001	73850000	662	850	73800000	-0.16467	0.019548	0
chr5	73800001	73900000	682	868	73850000	-0.15196	0.028373	0
chr5	74150001	74250000	625	789	74200000	-0.14021	0.039291	0
chr5	74850001	74950000	686	863	74900000	-0.13519	0.0449	0
chr5	75150001	75250000	640	805	75200000	-0.13495	0.045177	0

chr5	75200001	75300000	611	788	75250000	-0.17106	0.016078	0
chr5	75700001	75800000	692	879	75750000	-0.14913	0.030739	0
chr5	75750001	75850000	723	928	75800000	-0.16417	0.019846	0
chr5	77150001	77250000	749	960	77200000	-0.16211	0.02111	0
chr5	78900001	79000000	796	819	78950000	0.154868	0.025259	0
chr5	79000001	79100000	639	816	79050000	-0.15679	0.024689	0
chr5	79400001	79500000	717	925	79450000	-0.17152	0.015851	0
chr5	79450001	79550000	678	860	79500000	-0.14709	0.032544	0
chr5	79700001	79800000	742	753	79750000	0.174732	0.013693	0
chr5	80000001	80100000	740	941	80050000	-0.15071	0.029401	0
chr5	80050001	80150000	680	863	80100000	-0.14786	0.031849	0
chr5	80900001	81000000	598	759	80950000	-0.14799	0.031734	0
chr5	81150001	81250000	791	821	81200000	0.142259	0.03621	0
chr5	81750001	81850000	684	859	81800000	-0.1327	0.047915	0
chr5	82650001	82750000	696	876	82700000	-0.13588	0.04409	0
chr5	82800001	82900000	662	861	82850000	-0.18322	0.01092	0
chr5	83550001	83650000	633	821	83600000	-0.17921	0.012431	0
chr5	83800001	83900000	647	826	83850000	-0.15641	0.024961	0
chr5	84200001	84300000	514	659	84250000	-0.16255	0.020834	0
chr5	84250001	84350000	566	730	84300000	-0.17113	0.016042	0
chr5	84300001	84400000	577	739	84350000	-0.16104	0.02179	0
chr5	84900001	85000000	520	665	84950000	-0.15888	0.023225	0
chr5	85600001	85700000	593	755	85650000	-0.15248	0.027954	0
chr5	85650001	85750000	583	734	85700000	-0.13632	0.04358	0
chr5	85700001	85800000	585	743	85750000	-0.14896	0.030883	0
chr5	85950001	86050000	604	783	8.60E+07	-0.1785	0.012718	0
chr5	86000001	86100000	594	772	86050000	-0.18217	0.011298	0
chr5	86100001	86200000	728	943	86150000	-0.17736	0.013191	0
chr5	86150001	86250000	706	912	86200000	-0.1734	0.014946	0
chr5	86200001	86300000	632	816	86250000	-0.17268	0.015287	0
chr5	86250001	86350000	601	772	86300000	-0.16527	0.019195	0
chr5	86400001	86500000	748	758	86450000	0.176803	0.012806	0
chr5	86550001	86650000	854	874	86600000	0.162566	0.020055	0
chr5	87050001	87150000	747	769	87100000	0.154088	0.025845	0
chr5	87650001	87750000	696	891	87700000	-0.16038	0.022223	0
chr5	88200001	88300000	552	709	88250000	-0.16515	0.019264	0
chr5	88700001	88800000	664	837	88750000	-0.13808	0.041592	0
chr5	88750001	88850000	651	848	88800000	-0.18544	0.010152	0
chr5	88850001	88950000	575	726	88900000	-0.14044	0.03904	0
chr5	88950001	89050000	591	753	8.90E+07	-0.15353	0.027129	0
chr5	89100001	89200000	650	831	89150000	-0.15845	0.023523	0
chr5	89950001	90050000	713	909	9.00E+07	-0.15442	0.026447	0
chr5	90100001	90200000	755	951	90150000	-0.13701	0.042798	0
chr5	90150001	90250000	796	1018	90200000	-0.15893	0.023188	0
chr5	90550001	90650000	891	918	90600000	0.152894	0.026763	0
chr5	90950001	91050000	676	873	9.10E+07	-0.173	0.015137	0
chr5	91050001	91150000	650	842	91100000	-0.17742	0.013166	0



chr5	91150001	91250000	718	901	91200000	-0.13158	0.049321	0
chr5	91450001	91550000	572	728	91500000	-0.15196	0.028373	0
chr5	91550001	91650000	538	685	91600000	-0.15253	0.027912	0
chr5	92250001	92350000	715	912	92300000	-0.15513	0.025909	0
chr5	92300001	92400000	687	889	92350000	-0.17591	0.013811	0
chr5	92500001	92600000	616	788	92550000	-0.1593	0.022938	0
chr5	92550001	92650000	656	831	92600000	-0.14519	0.034302	0
chr5	93000001	93100000	676	852	93050000	-0.13787	0.04183	0
chr5	94500001	94600000	703	894	94550000	-0.15079	0.029334	0
chr5	96700001	96800000	699	882	96750000	-0.13952	0.040019	0
chr5	96800001	96900000	647	830	96850000	-0.16338	0.020319	0
chr5	97050001	97150000	511	660	97100000	-0.17318	0.01505	0
chr5	97200001	97300000	556	699	97250000	-0.13424	0.046024	0
chr5	97550001	97650000	603	778	97600000	-0.17165	0.015786	0
chr5	97600001	97700000	633	807	97650000	-0.1544	0.026458	0
chr5	97800001	97900000	674	870	97850000	-0.1723	0.015468	0
chr5	98000001	98100000	665	690	98050000	0.142721	0.035749	0
chr5	98300001	98400000	642	822	98350000	-0.1606	0.022075	0
chr5	98750001	98850000	210	269	98800000	-0.16125	0.021652	0
chr5	98850001	98950000	375	472	98900000	-0.13593	0.044029	0
chr5	99000001	99100000	530	675	99050000	-0.15293	0.027597	0
chr5	99100001	99200000	564	710	99150000	-0.13616	0.043765	0
chr5	99150001	99250000	569	718	99200000	-0.13959	0.039945	0
chr5	99250001	99350000	568	730	99300000	-0.16604	0.018753	0
chr5	99550001	99650000	619	793	99600000	-0.16142	0.021546	0
chr5	99650001	99750000	207	260	99700000	-0.13292	0.047643	0
chr5	99800001	99900000	613	789	99850000	-0.16818	0.017572	0
chr5	1E+08	1.01E+08	556	710	1.01E+08	-0.15677	0.024703	0
chr5	1.01E+08	1.01E+08	525	662	1.01E+08	-0.13855	0.041075	0
chr5	1.01E+08	1.01E+08	601	754	1.01E+08	-0.13124	0.04976	0
chr5	1.01E+08	1.01E+08	599	773	1.01E+08	-0.17195	0.01564	0
chr5	1.01E+08	1.02E+08	579	735	1.01E+08	-0.14822	0.031534	0
chr5	1.02E+08	1.02E+08	585	745	1.02E+08	-0.15284	0.027669	0
chr5	1.02E+08	1.02E+08	625	803	1.02E+08	-0.16558	0.019017	0
chr5	1.02E+08	1.02E+08	675	858	1.02E+08	-0.15013	0.029887	0
chr5	1.03E+08	1.03E+08	731	924	1.03E+08	-0.14206	0.037371	0
chr5	1.03E+08	1.03E+08	676	873	1.03E+08	-0.173	0.015137	0
chr5	1.03E+08	1.03E+08	579	744	1.03E+08	-0.16578	0.018905	0
chr5	1.03E+08	1.04E+08	511	655	1.03E+08	-0.16221	0.021045	0
chr5	1.04E+08	1.04E+08	571	719	1.04E+08	-0.13654	0.043331	0
chr5	1.04E+08	1.04E+08	542	701	1.04E+08	-0.17516	0.014143	0
chr5	1.04E+08	1.04E+08	564	725	1.04E+08	-0.16632	0.018594	0
chr5	1.04E+08	1.05E+08	527	674	1.05E+08	-0.15898	0.023155	0
chr5	1.05E+08	1.05E+08	581	750	1.05E+08	-0.17239	0.015427	0
chr5	1.05E+08	1.05E+08	532	685	1.05E+08	-0.16871	0.017284	0
chr5	1.05E+08	1.05E+08	531	670	1.05E+08	-0.13949	0.040059	0
chr5	1.05E+08	1.05E+08	553	708	1.05E+08	-0.16051	0.022137	0

chr5	1.05E+08	1.05E+08	585	748	1.05E+08	-0.15864	0.02339	0
chr5	1.06E+08	1.06E+08	581	744	1.06E+08	-0.1608	0.021945	0
chr5	1.06E+08	1.06E+08	595	768	1.06E+08	-0.17225	0.015492	0
chr5	1.06E+08	1.06E+08	607	766	1.06E+08	-0.13968	0.039846	0
chr5	1.06E+08	1.06E+08	590	764	1.06E+08	-0.17689	0.013387	0
chr5	1.07E+08	1.07E+08	664	834	1.07E+08	-0.1329	0.047664	0
chr5	1.07E+08	1.07E+08	684	865	1.07E+08	-0.14274	0.036684	0
chr5	1.07E+08	1.07E+08	639	802	1.07E+08	-0.13182	0.049013	0
chr5	1.07E+08	1.07E+08	657	829	1.07E+08	-0.13952	0.040027	0
chr5	1.07E+08	1.07E+08	699	893	1.07E+08	-0.1574	0.024251	0
chr5	1.07E+08	1.07E+08	717	922	1.07E+08	-0.16683	0.018309	0
chr5	1.08E+08	1.08E+08	656	826	1.08E+08	-0.13648	0.043394	0
chr5	1.08E+08	1.08E+08	903	942	1.08E+08	0.134962	0.044155	0
chr5	1.09E+08	1.09E+08	762	959	1.09E+08	-0.13578	0.044211	0
chr5	1.09E+08	1.09E+08	677	866	1.09E+08	-0.15925	0.022975	0
chr5	1.09E+08	1.1E+08	580	753	1.1E+08	-0.18063	0.011876	0
chr5	1.1E+08	1.1E+08	611	772	1.1E+08	-0.14147	0.037977	0
chr5	1.1E+08	1.1E+08	606	784	1.1E+08	-0.17557	0.013959	0
chr5	1.1E+08	1.1E+08	645	819	1.1E+08	-0.1486	0.031197	0
chr5	1.1E+08	1.1E+08	619	783	1.1E+08	-0.14311	0.036316	0
chr5	1.11E+08	1.11E+08	678	866	1.11E+08	-0.15712	0.024454	0
chr5	1.11E+08	1.11E+08	874	890	1.11E+08	0.169791	0.016029	0
chr5	1.11E+08	1.11E+08	742	934	1.11E+08	-0.13604	0.043905	0
chr5	1.11E+08	1.11E+08	716	911	1.11E+08	-0.15153	0.028724	0
chr5	1.11E+08	1.11E+08	698	879	1.11E+08	-0.13667	0.043177	0
chr5	1.12E+08	1.12E+08	757	952	1.12E+08	-0.13471	0.045473	0
chr5	1.13E+08	1.13E+08	634	818	1.13E+08	-0.17165	0.015783	0
chr5	1.13E+08	1.13E+08	641	808	1.13E+08	-0.13807	0.041607	0
chr5	1.13E+08	1.13E+08	630	818	1.13E+08	-0.18079	0.011817	0
chr5	1.13E+08	1.13E+08	624	811	1.13E+08	-0.18219	0.011291	0
chr5	1.13E+08	1.14E+08	566	710	1.13E+08	-0.13105	0.049994	0
chr5	1.14E+08	1.14E+08	619	780	1.14E+08	-0.13757	0.04216	0
chr5	1.14E+08	1.14E+08	609	770	1.14E+08	-0.14245	0.036972	0
chr5	1.14E+08	1.14E+08	581	742	1.14E+08	-0.15692	0.024597	0
chr5	1.14E+08	1.14E+08	542	703	1.14E+08	-0.17927	0.012409	0
chr5	1.14E+08	1.14E+08	575	740	1.14E+08	-0.168	0.017667	0
chr5	1.15E+08	1.15E+08	693	898	1.15E+08	-0.1779	0.012966	0
chr5	1.15E+08	1.15E+08	709	904	1.15E+08	-0.15457	0.026326	0
chr5	1.16E+08	1.16E+08	570	732	1.16E+08	-0.16492	0.019401	0
chr5	1.16E+08	1.16E+08	682	708	1.16E+08	0.141985	0.036485	0
chr5	1.17E+08	1.17E+08	597	756	1.17E+08	-0.14469	0.034775	0
chr5	1.17E+08	1.17E+08	565	733	1.17E+08	-0.1796	0.012278	0
chr5	1.17E+08	1.17E+08	629	805	1.17E+08	-0.15997	0.022494	0
chr5	1.18E+08	1.18E+08	639	809	1.18E+08	-0.14436	0.035093	0
chr5	1.18E+08	1.18E+08	598	754	1.18E+08	-0.13846	0.041179	0
chr5	1.18E+08	1.18E+08	682	861	1.18E+08	-0.14028	0.039215	0
chr5	1.18E+08	1.18E+08	606	775	1.18E+08	-0.15892	0.023201	0

chr5	1.19E+08	1.19E+08	754	959	1.19E+08	-0.151	0.029155	0
chr5	1.19E+08	1.19E+08	669	854	1.19E+08	-0.15627	0.025068	0
chr5	1.19E+08	1.19E+08	643	830	1.19E+08	-0.17233	0.015455	0
chr5	1.19E+08	1.2E+08	598	759	1.19E+08	-0.14799	0.031734	0
chr5	1.2E+08	1.2E+08	607	773	1.2E+08	-0.15281	0.027694	0
chr5	1.2E+08	1.2E+08	655	840	1.2E+08	-0.16293	0.020596	0
chr5	1.2E+08	1.2E+08	578	735	1.2E+08	-0.15071	0.029397	0
chr5	1.21E+08	1.21E+08	544	700	1.21E+08	-0.16779	0.017783	0
chr5	1.21E+08	1.21E+08	567	728	1.21E+08	-0.16463	0.019573	0
chr5	1.21E+08	1.21E+08	596	749	1.21E+08	-0.13369	0.046695	0
chr5	1.21E+08	1.21E+08	568	714	1.21E+08	-0.13407	0.046235	0
chr5	1.21E+08	1.21E+08	700	884	1.21E+08	-0.14073	0.038742	0
chr5	1.21E+08	1.22E+08	707	888	1.22E+08	-0.13289	0.047682	0
chr5	1.22E+08	1.22E+08	609	774	1.22E+08	-0.14993	0.030055	0
chr5	1.22E+08	1.22E+08	682	870	1.22E+08	-0.15528	0.025794	0
chr5	1.22E+08	1.22E+08	721	913	1.22E+08	-0.14465	0.034813	0
chr5	1.23E+08	1.23E+08	767	978	1.23E+08	-0.15464	0.026272	0
chr5	1.23E+08	1.23E+08	672	854	1.23E+08	-0.14981	0.030154	0
chr5	1.24E+08	1.24E+08	624	784	1.24E+08	-0.13334	0.047118	0
chr5	1.24E+08	1.24E+08	681	863	1.24E+08	-0.14574	0.033782	0
chr5	1.24E+08	1.24E+08	717	907	1.24E+08	-0.14317	0.03626	0
chr5	1.24E+08	1.24E+08	761	957	1.24E+08	-0.13466	0.045527	0
chr5	1.24E+08	1.24E+08	705	889	1.24E+08	-0.1386	0.041024	0
chr5	1.24E+08	1.24E+08	673	874	1.24E+08	-0.18106	0.011712	0
chr5	1.25E+08	1.25E+08	683	865	1.25E+08	-0.14485	0.034623	0
chr5	1.25E+08	1.25E+08	715	904	1.25E+08	-0.14242	0.037009	0
chr5	1.25E+08	1.25E+08	734	937	1.25E+08	-0.15631	0.025039	0
chr5	1.25E+08	1.25E+08	656	833	1.25E+08	-0.14866	0.031148	0
chr5	1.25E+08	1.25E+08	597	756	1.25E+08	-0.14469	0.034775	0
chr5	1.25E+08	1.25E+08	596	764	1.25E+08	-0.1623	0.02099	0
chr5	1.25E+08	1.25E+08	686	865	1.25E+08	-0.13853	0.041099	0
chr5	1.25E+08	1.25E+08	651	848	1.25E+08	-0.18544	0.010152	0
chr5	1.26E+08	1.26E+08	811	843	1.26E+08	0.140132	0.038394	0
chr5	1.26E+08	1.26E+08	873	894	1.26E+08	0.16167	0.020609	0
chr5	1.26E+08	1.26E+08	876	909	1.26E+08	0.142614	0.035856	0
chr5	1.28E+08	1.28E+08	637	826	1.28E+08	-0.17889	0.012563	0
chr5	1.28E+08	1.28E+08	634	820	1.28E+08	-0.17518	0.014134	0
chr5	1.29E+08	1.29E+08	651	830	1.29E+08	-0.15449	0.026389	0
chr5	1.3E+08	1.3E+08	575	745	1.3E+08	-0.17772	0.013041	0
chr5	1.3E+08	1.3E+08	591	748	1.3E+08	-0.14392	0.035523	0
chr5	1.3E+08	1.3E+08	595	762	1.3E+08	-0.16094	0.021856	0
chr5	1.3E+08	1.3E+08	653	830	1.3E+08	-0.15007	0.029939	0
chr5	1.3E+08	1.31E+08	579	747	1.3E+08	-0.17158	0.015819	0
chr5	1.31E+08	1.31E+08	876	885	1.31E+08	0.181216	0.011079	0
chr5	1.32E+08	1.32E+08	1035	1051	1.32E+08	0.173831	0.014096	0
chr5	1.32E+08	1.32E+08	825	1053	1.32E+08	-0.15608	0.025207	0
chr5	1.32E+08	1.32E+08	1032	1052	1.32E+08	0.168271	0.016812	0

chr5	1.33E+08	1.33E+08	957	977	1.33E+08	0.166123	0.017976	0
chr5	1.33E+08	1.34E+08	1093	1131	1.33E+08	0.146658	0.032015	0
chr5	1.34E+08	1.34E+08	853	874	1.34E+08	0.160875	0.021112	0
chr5	1.34E+08	1.35E+08	1142	1181	1.35E+08	0.147517	0.031244	0
chr5	1.36E+08	1.36E+08	729	922	1.36E+08	-0.14288	0.03654	0
chr5	1.36E+08	1.37E+08	815	1043	1.37E+08	-0.1599	0.022535	0
chr5	1.37E+08	1.37E+08	732	950	1.37E+08	-0.18012	0.012074	0
chr5	1.38E+08	1.38E+08	927	950	1.38E+08	0.160605	0.021285	0
chr5	1.39E+08	1.39E+08	1234	1289	1.39E+08	0.133053	0.046451	0
chr5	1.39E+08	1.39E+08	1005	1021	1.39E+08	0.173176	0.014395	0
chr5	1.39E+08	1.39E+08	1599	1635	1.39E+08	0.163842	0.019286	0
chr5	1.39E+08	1.39E+08	1540	1594	1.39E+08	0.146242	0.032393	0
chr5	1.4E+08	1.4E+08	1322	1357	1.4E+08	0.158264	0.022838	0
chr5	1.4E+08	1.4E+08	1337	1392	1.4E+08	0.137803	0.040908	0
chr5	1.4E+08	1.4E+08	1267	1322	1.4E+08	0.134657	0.044515	0
chr5	1.4E+08	1.4E+08	1260	1292	1.40E+08	0.159781	0.021822	0
chr5	1.4E+08	1.4E+08	1260	1275	1.4E+08	0.17889	0.011962	0
chr5	1.41E+08	1.41E+08	1549	1611	1.41E+08	0.139344	0.039231	0
chr5	1.41E+08	1.41E+08	1391	1455	1.41E+08	0.131066	0.048942	0
chr5	1.41E+08	1.41E+08	1352	1401	1.41E+08	0.144601	0.033923	0
chr5	1.41E+08	1.42E+08	1119	1161	1.41E+08	0.142805	0.035666	0
chr5	1.41E+08	1.42E+08	1133	1161	1.42E+08	0.160743	0.021197	0
chr5	1.44E+08	1.44E+08	800	1042	1.44E+08	-0.18532	0.010193	0
chr5	1.44E+08	1.44E+08	815	1026	1.44E+08	-0.1362	0.043725	0
chr5	1.47E+08	1.47E+08	979	1271	1.47E+08	-0.18062	0.011881	0
chr5	1.49E+08	1.49E+08	1460	1507	1.49E+08	0.150252	0.028893	0
chr5	1.49E+08	1.49E+08	1199	1210	1.49E+08	0.182788	0.010515	0
chr5	1.5E+08	1.5E+08	1608	1626	1.5E+08	0.179903	0.01157	0
chr5	1.5E+08	1.5E+08	1543	1605	1.5E+08	0.139128	0.039463	0
chr5	1.5E+08	1.5E+08	1415	1479	1.5E+08	0.132143	0.047579	0
chr5	1.5E+08	1.5E+08	1679	1734	1.50E+08	0.149461	0.029557	0
chr5	1.5E+08	1.5E+08	1285	1324	1.5E+08	0.152828	0.026815	0
chr5	1.5E+08	1.5E+08	904	1155	1.5E+08	-0.15754	0.024159	0
chr5	1.51E+08	1.51E+08	1390	1439	1.51E+08	0.145981	0.032632	0
chr5	1.51E+08	1.51E+08	1271	1321	1.51E+08	0.140297	0.038222	0
chr5	1.51E+08	1.51E+08	1224	1271	1.51E+08	0.141603	0.036873	0
chr5	1.52E+08	1.52E+08	932	1189	1.52E+08	-0.15538	0.025718	0
chr5	1.52E+08	1.52E+08	886	1145	1.52E+08	-0.17401	0.014666	0
chr5	1.52E+08	1.53E+08	840	1054	1.52E+08	-0.13145	0.049486	0
chr5	1.53E+08	1.53E+08	772	1003	1.53E+08	-0.18169	0.011478	0
chr5	1.53E+08	1.53E+08	690	893	1.53E+08	-0.1761	0.013728	0
chr5	1.54E+08	1.54E+08	1203	1247	1.54E+08	0.144138	0.034365	0
chr5	1.54E+08	1.54E+08	1379	1402	1.54E+08	0.172099	0.014898	0
chr5	1.54E+08	1.54E+08	978	1238	1.54E+08	-0.14414	0.035305	0
chr5	1.55E+08	1.55E+08	984	1249	1.55E+08	-0.14808	0.031656	0
chr5	1.55E+08	1.55E+08	953	1228	1.55E+08	-0.1698	0.016717	0
chr5	1.55E+08	1.55E+08	552	714	1.55E+08	-0.17529	0.014083	0

chr5	1.55E+08	1.55E+08	871	1106	1.55E+08	-0.14864	0.03116	0
chr5	1.55E+08	1.55E+08	880	1104	1.55E+08	-0.1312	0.049805	0
chr5	1.56E+08	1.56E+08	868	1116	1.56E+08	-0.16661	0.018434	0
chr5	1.56E+08	1.56E+08	922	1179	1.56E+08	-0.15876	0.023306	0
chr5	1.56E+08	1.56E+08	956	1217	1.56E+08	-0.15228	0.028113	0
chr5	1.56E+08	1.56E+08	813	1038	1.56E+08	-0.15652	0.024887	0
chr5	1.56E+08	1.56E+08	812	1032	1.56E+08	-0.14993	0.030055	0
chr5	1.56E+08	1.56E+08	768	975	1.56E+08	-0.14833	0.031433	0
chr5	1.56E+08	1.56E+08	724	929	1.56E+08	-0.16373	0.020111	0
chr5	1.57E+08	1.57E+08	801	1007	1.57E+08	-0.13423	0.046046	0
chr5	1.57E+08	1.57E+08	777	989	1.57E+08	-0.15209	0.028266	0
chr5	1.58E+08	1.58E+08	895	1129	1.58E+08	-0.13912	0.040451	0
chr5	1.59E+08	1.59E+08	1247	1265	1.59E+08	0.175287	0.01345	0
chr5	1.59E+08	1.59E+08	1179	1224	1.59E+08	0.141923	0.036548	0
chr5	1.59E+08	1.59E+08	1084	1398	1.59E+08	-0.17104	0.016089	0
chr5	1.6E+08	1.6E+08	1266	1306	1.6E+08	0.151086	0.028206	0
chr5	1.6E+08	1.6E+08	1269	1323	1.6E+08	0.135842	0.043128	0
chr5	1.6E+08	1.6E+08	900	1133	1.6E+08	-0.13619	0.043734	0
chr5	1.61E+08	1.61E+08	851	1078	1.61E+08	-0.14516	0.034327	0
chr5	1.62E+08	1.62E+08	845	1088	1.62E+08	-0.16869	0.017296	0
chr5	1.62E+08	1.62E+08	815	1059	1.62E+08	-0.18187	0.011411	0
chr5	1.63E+08	1.63E+08	962	1217	1.63E+08	-0.14326	0.03617	0
chr5	1.64E+08	1.64E+08	775	975	1.64E+08	-0.13524	0.044836	0
chr5	1.65E+08	1.65E+08	881	1118	1.65E+08	-0.14774	0.031955	0
chr5	1.65E+08	1.65E+08	862	1099	1.65E+08	-0.15447	0.026406	0
chr5	1.65E+08	1.65E+08	821	1065	1.65E+08	-0.17944	0.012343	0
chr5	1.65E+08	1.65E+08	818	1055	1.65E+08	-0.17111	0.016054	0
chr5	1.65E+08	1.65E+08	815	1040	1.65E+08	-0.15575	0.025447	0
chr5	1.65E+08	1.65E+08	866	1089	1.65E+08	-0.1346	0.045596	0
chr5	1.65E+08	1.65E+08	782	983	1.65E+08	-0.13406	0.046247	0
chr5	1.65E+08	1.65E+08	796	1010	1.65E+08	-0.14755	0.032126	0
chr5	1.65E+08	1.66E+08	839	1078	1.65E+08	-0.16565	0.018976	0
chr5	1.66E+08	1.66E+08	793	1012	1.66E+08	-0.15585	0.02537	0
chr5	1.66E+08	1.66E+08	823	1049	1.66E+08	-0.15409	0.026697	0
chr5	1.67E+08	1.67E+08	905	1161	1.67E+08	-0.16342	0.020299	0
chr5	1.7E+08	1.7E+08	1298	1349	1.70E+08	0.140363	0.038152	0
chr5	1.7E+08	1.71E+08	768	997	1.7E+08	-0.18052	0.011918	0
chr5	1.72E+08	1.72E+08	1357	1388	1.72E+08	0.163376	0.019564	0
chr5	1.72E+08	1.72E+08	1415	1432	1.72E+08	0.178734	0.012024	0
chr5	1.72E+08	1.72E+08	1530	1601	1.72E+08	0.130521	0.049643	0
chr5	1.72E+08	1.72E+08	1567	1623	1.72E+08	0.145305	0.033259	0
chr5	1.72E+08	1.72E+08	1501	1541	1.72E+08	0.15802	0.023005	0
chr5	1.72E+08	1.72E+08	1527	1558	1.72E+08	0.166968	0.017511	0
chr5	1.72E+08	1.72E+08	1486	1519	1.72E+08	0.164275	0.019032	0
chr5	1.73E+08	1.73E+08	1207	1223	1.73E+08	0.176964	0.012739	0
chr5	1.73E+08	1.73E+08	1221	1249	1.73E+08	0.163253	0.019638	0
chr5	1.73E+08	1.73E+08	1305	1347	1.73E+08	0.150263	0.028884	0

chr5	1.73E+08	1.73E+08	1277	1333	1.73E+08	0.134045	0.045247	0
chr5	1.75E+08	1.75E+08	1154	1194	1.75E+08	0.146803	0.031883	0
chr5	1.75E+08	1.75E+08	1320	1380	1.75E+08	0.131833	0.047969	0
chr5	1.76E+08	1.76E+08	1591	1622	1.76E+08	0.168123	0.016891	0
chr5	1.76E+08	1.76E+08	1100	1128	1.76E+08	0.159699	0.021875	0
chr5	1.76E+08	1.77E+08	1220	1254	1.77E+08	0.156307	0.024208	0
chr5	1.77E+08	1.77E+08	1228	1266	1.77E+08	0.151996	0.027472	0
chr5	1.77E+08	1.77E+08	1309	1368	1.77E+08	0.13236	0.047309	0
chr5	1.77E+08	1.77E+08	1495	1512	1.77E+08	0.17965	0.011667	0
chr5	1.77E+08	1.77E+08	313	318	1.77E+08	0.173099	0.01443	0
chr5	1.77E+08	1.78E+08	821	840	1.78E+08	0.162956	0.019817	0
chr5	1.79E+08	1.79E+08	1372	1428	1.79E+08	0.138248	0.040419	0
chr5	1.79E+08	1.79E+08	1442	1504	1.79E+08	0.13523	0.043841	0
chr5	1.79E+08	1.79E+08	1033	1065	1.79E+08	0.15195	0.027509	0
chr5	1.79E+08	1.79E+08	1170	1217	1.79E+08	0.139142	0.039447	0
chr5	1.79E+08	1.79E+08	1013	1024	1.79E+08	0.180381	0.011389	0
chr5	1.79E+08	1.79E+08	1355	1394	1.79E+08	0.155025	0.025142	0
chr5	1.79E+08	1.79E+08	1405	1419	1.79E+08	0.181659	0.010918	0
chr5	1.79E+08	1.79E+08	1359	1420	1.79E+08	0.132618	0.046988	0
chr5	1.8E+08	1.8E+08	1310	1355	1.8E+08	0.147237	0.031493	0
chr5	1.8E+08	1.8E+08	1318	1372	1.8E+08	0.138033	0.040655	0
chr5	1.8E+08	1.8E+08	1303	1347	1.8E+08	0.14805	0.030773	0
chr5	1.8E+08	1.8E+08	1304	1337	1.80E+08	0.159907	0.021738	0
chr5	1.8E+08	1.8E+08	1067	1102	1.8E+08	0.149399	0.02961	0
chr5	1.81E+08	1.81E+08	1134	1177	1.81E+08	0.142269	0.036199	0
chr6	1	100000	0	1	50000	#NAME?	3.67E-137	0
chr6	50001	150000	10	15	1.00E+05	-0.389	8.31E-07	0
chr6	9500001	9600000	904	1183	9550000	-0.19209	0.008133	0
chr6	13900001	14000000	1401	1407	13950000	0.189798	0.008294	0
chr6	16250001	16350000	1100	1081	16300000	0.2211	0.002641	0
chr6	16300001	16400000	1146	1115	16350000	0.235526	0.001487	0
chr6	20200001	20300000	714	946	20250000	-0.20995	0.004353	0
chr6	20400001	20500000	944	941	20450000	0.200555	0.005686	0
chr6	20800001	20900000	834	839	20850000	0.18734	0.009021	0
chr6	21250001	21350000	693	916	21300000	-0.20653	0.004923	0
chr6	22200001	22300000	671	891	22250000	-0.21315	0.003875	0
chr6	22250001	22350000	661	875	22300000	-0.20867	0.004559	0
chr6	22300001	22400000	608	802	22350000	-0.20357	0.005469	0
chr6	22900001	23000000	625	831	22950000	-0.21503	0.003616	0
chr6	23350001	23450000	539	707	23400000	-0.19546	0.007252	0
chr6	24350001	24450000	833	820	24400000	0.218656	0.002903	0
chr6	25200001	25300000	926	910	25250000	0.221109	0.00264	0
chr6	25950001	26050000	943	932	2.60E+07	0.212891	0.003614	0
chr6	26000001	26100000	871	873	26050000	0.192654	0.007515	0
chr6	26050001	26150000	860	854	26100000	0.206064	0.004657	0
chr6	26100001	26200000	906	858	26150000	0.274496	0.000272	0
chr6	26150001	26250000	919	876	26200000	0.265097	0.000418	0

chr6	26200001	26300000	964	877	26250000	0.332419	1.46E-05	0
chr6	26250001	26350000	948	940	26300000	0.208189	0.004306	0
chr6	26450001	26550000	954	953	26500000	0.197476	0.006345	0
chr6	26500001	26600000	1020	940	26550000	0.3138	3.94E-05	0
chr6	26650001	26750000	284	285	26700000	0.190892	0.007988	0
chr6	26850001	26950000	72	71	26900000	0.216141	0.003196	0
chr6	27050001	27150000	902	869	27100000	0.249734	0.000821	0
chr6	27100001	27200000	852	836	27150000	0.223314	0.002423	0
chr6	27550001	27650000	848	824	27600000	0.237383	0.001379	0
chr6	28000001	28100000	899	888	28050000	0.213724	0.003502	0
chr6	28050001	28150000	998	937	28100000	0.286954	0.000151	0
chr6	29550001	29650000	1004	984	29600000	0.224992	0.002269	0
chr6	29950001	30050000	975	973	3.00E+07	0.198925	0.006027	0
chr6	30000001	30100000	982	970	30050000	0.213701	0.003505	0
chr6	30600001	30700000	1052	977	30650000	0.302667	6.97E-05	0
chr6	30650001	30750000	1043	970	30700000	0.300646	7.71E-05	0
chr6	31450001	31550000	945	915	31500000	0.242506	0.001115	0
chr6	31500001	31600000	1082	1041	31550000	0.251693	0.000755	0
chr6	31550001	31650000	1105	1090	31600000	0.215681	0.003252	0
chr6	31600001	31700000	1192	1159	31650000	0.236467	0.001431	0
chr6	31650001	31750000	1136	1119	31700000	0.217716	0.003009	0
chr6	31700001	31800000	965	938	31750000	0.236904	0.001406	0
chr6	31750001	31850000	936	886	31800000	0.275165	0.000264	0
chr6	31800001	31900000	1008	956	31850000	0.272376	0.0003	0
chr6	31850001	31950000	1035	948	31900000	0.322635	2.48E-05	0
chr6	31900001	32000000	553	508	31950000	0.318414	3.10E-05	0
chr6	32050001	32150000	1130	1130	32100000	0.195963	0.006694	0
chr6	32100001	32200000	1103	1104	32150000	0.194656	0.007008	0
chr6	33100001	33200000	1153	1135	33150000	0.218663	0.002902	0
chr6	33150001	33250000	1120	1056	33200000	0.280852	0.000202	0
chr6	33200001	33300000	1042	998	33250000	0.258207	0.000568	0
chr6	33250001	33350000	835	821	33300000	0.220357	0.002718	0
chr6	33300001	33400000	855	845	33350000	0.212936	0.003608	0
chr6	33350001	33450000	1053	1047	33400000	0.204207	0.004983	0
chr6	33500001	33600000	924	903	33550000	0.22913	0.001926	0
chr6	34650001	34750000	848	806	34700000	0.269247	0.000346	0
chr6	34750001	34850000	886	879	34800000	0.207407	0.004433	0
chr6	34800001	34900000	956	950	34850000	0.205046	0.004833	0
chr6	35200001	35300000	1122	1101	35250000	0.223221	0.002432	0
chr6	35250001	35350000	981	971	35300000	0.210745	0.003917	0
chr6	35300001	35400000	905	884	35350000	0.229834	0.001872	0
chr6	35350001	35450000	1006	997	35400000	0.208928	0.00419	0
chr6	35400001	35500000	1032	1040	35450000	0.184822	0.009823	0
chr6	35850001	35950000	867	874	35900000	0.184362	0.009976	0
chr6	36500001	36600000	943	919	36550000	0.233156	0.001638	0
chr6	36550001	36650000	994	937	36600000	0.28116	0.000199	0
chr6	36750001	36850000	1143	1082	36800000	0.275088	0.000265	0

chr6	36800001	36900000	1049	1015	36850000	0.243498	0.001069	0
chr6	36950001	37050000	1104	1110	3.70E+07	0.188144	0.008778	0
chr6	39550001	39650000	663	874	39600000	-0.20266	0.005647	0
chr6	41600001	41700000	1234	1229	41650000	0.201821	0.005433	0
chr6	41650001	41750000	1206	1210	41700000	0.191186	0.007907	0
chr6	41700001	41800000	1015	1019	41750000	0.190289	0.008156	0
chr6	41750001	41850000	904	870	41800000	0.25127	0.000768	0
chr6	41800001	41900000	938	902	41850000	0.252424	0.000731	0
chr6	42150001	42250000	963	952	42200000	0.212537	0.003662	0
chr6	42800001	42900000	835	800	42850000	0.257739	0.00058	0
chr6	42850001	42950000	843	830	42900000	0.218384	0.002933	0
chr6	42900001	43000000	952	935	42950000	0.221958	0.002555	0
chr6	43650001	43750000	1223	1197	43700000	0.226964	0.002099	0
chr6	43700001	43800000	1280	1237	43750000	0.245261	0.000993	0
chr6	44050001	44150000	1165	1119	44100000	0.254083	0.00068	0
chr6	44100001	44200000	1112	1098	44150000	0.214242	0.003435	0
chr6	44150001	44250000	1152	1131	44200000	0.222505	0.002501	0
chr6	44200001	44300000	1165	1167	44250000	0.193488	0.0073	0
chr6	44300001	44400000	1005	1000	44350000	0.203159	0.005177	0
chr6	44350001	44450000	983	954	44400000	0.239165	0.001281	0
chr6	46250001	46350000	748	994	46300000	-0.21424	0.003722	0
chr6	46800001	46900000	655	899	46850000	-0.26086	0.000581	0
chr6	47800001	47900000	677	952	47850000	-0.29584	0.00012	0
chr6	47850001	47950000	634	857	47900000	-0.23885	0.001448	0
chr6	48050001	48150000	619	818	48100000	-0.2062	0.004982	0
chr6	49550001	49650000	555	775	49600000	-0.28575	0.000192	0
chr6	49600001	49700000	589	793	49650000	-0.23309	0.001819	0
chr6	50100001	50200000	528	708	50150000	-0.22725	0.002282	0
chr6	51050001	51150000	571	750	51100000	-0.19744	0.006775	0
chr6	51400001	51500000	632	843	51450000	-0.21965	0.003046	0
chr6	55150001	55250000	580	762	55200000	-0.19778	0.006697	0
chr6	55200001	55300000	597	826	55250000	-0.27245	0.00035	0
chr6	57750001	57850000	93	136	57800000	-0.35234	6.68E-06	0
chr6	57800001	57900000	85	118	57850000	-0.27729	0.000282	0
chr6	57850001	57950000	87	115	57900000	-0.20658	0.004914	0
chr6	57900001	58000000	178	250	57950000	-0.29409	0.00013	0
chr6	57950001	58050000	259	372	5.80E+07	-0.32639	2.64E-05	0
chr6	58000001	58100000	164	232	58050000	-0.30447	7.90E-05	0
chr6	58050001	58150000	62	60	58100000	0.243269	0.00108	0
chr6	58150001	58250000	54	94	58200000	-0.60374	2.03E-13	0
chr6	58200001	58300000	43	75	58250000	-0.60659	1.61E-13	0
chr6	58250001	58350000	66	89	58300000	-0.23538	0.001662	0
chr6	58300001	58400000	84	136	58350000	-0.49918	6.17E-10	0
chr6	58350001	58450000	129	171	58400000	-0.21066	0.004243	0
chr6	58500001	58600000	141	191	58550000	-0.24191	0.00128	0
chr6	58550001	58650000	195	287	58600000	-0.36161	4.01E-06	0
chr6	62000001	62100000	360	499	62050000	-0.27508	0.000312	0



chr6	62150001	62250000	291	413	62200000	-0.30916	6.28E-05	0
chr6	62200001	62300000	478	650	62250000	-0.24747	0.00102	0
chr6	62250001	62350000	538	711	62300000	-0.20628	0.004967	0
chr6	62300001	62400000	534	727	62350000	-0.24915	0.000952	0
chr6	62350001	62450000	567	756	62400000	-0.21907	0.003112	0
chr6	62500001	62600000	584	786	62550000	-0.2326	0.001854	0
chr6	62550001	62650000	580	764	62600000	-0.20156	0.005871	0
chr6	62600001	62700000	609	798	62650000	-0.19398	0.007627	0
chr6	62650001	62750000	602	785	62700000	-0.18697	0.009654	0
chr6	62750001	62850000	550	726	62800000	-0.20457	0.005278	0
chr6	62800001	62900000	612	807	62850000	-0.20307	0.005566	0
chr6	62850001	62950000	593	782	62900000	-0.20317	0.005546	0
chr6	62900001	63000000	584	766	62950000	-0.19541	0.007264	0
chr6	62950001	63050000	585	778	6.30E+07	-0.21537	0.003571	0
chr6	65150001	65250000	575	772	65200000	-0.22908	0.002127	0
chr6	65200001	65300000	586	776	65250000	-0.20919	0.004474	0
chr6	66450001	66550000	570	753	66500000	-0.20572	0.005067	0
chr6	66500001	66600000	523	740	66550000	-0.30475	7.79E-05	0
chr6	66550001	66650000	541	731	66600000	-0.23828	0.001481	0
chr6	66650001	66750000	530	738	66700000	-0.28167	0.000231	0
chr6	66700001	66800000	599	788	66750000	-0.19968	0.006269	0
chr6	67250001	67350000	485	647	67300000	-0.21982	0.003027	0
chr6	67300001	67400000	461	629	67350000	-0.25233	0.000834	0
chr6	67400001	67500000	553	721	67450000	-0.18676	0.009722	0
chr6	67450001	67550000	543	745	67500000	-0.26033	0.000595	0
chr6	67600001	67700000	547	748	67650000	-0.25553	0.000729	0
chr6	68400001	68500000	536	718	68450000	-0.22579	0.002414	0
chr6	69000001	69100000	590	793	69050000	-0.23064	0.002001	0
chr6	69050001	69150000	612	799	69100000	-0.1887	0.009114	0
chr6	69650001	69750000	621	823	69700000	-0.21034	0.004293	0
chr6	69700001	69800000	601	842	69750000	-0.29049	0.000154	0
chr6	69750001	69850000	581	794	69800000	-0.25464	0.000757	0
chr6	70650001	70750000	569	748	70700000	-0.19865	0.006498	0
chr6	71400001	71500000	593	780	71450000	-0.19948	0.006313	0
chr6	71450001	71550000	585	781	71500000	-0.22092	0.002904	0
chr6	71500001	71600000	729	977	71550000	-0.22648	0.002351	0
chr6	71550001	71650000	699	924	71600000	-0.20664	0.004904	0
chr6	72450001	72550000	562	744	72500000	-0.20877	0.004543	0
chr6	72800001	72900000	560	757	72850000	-0.2389	0.001444	0
chr6	72850001	72950000	586	794	72900000	-0.24228	0.001261	0
chr6	72950001	73050000	588	778	7.30E+07	-0.20799	0.004672	0
chr6	73400001	73500000	675	897	73450000	-0.21426	0.003721	0
chr6	74300001	74400000	588	583	74350000	0.208283	0.004291	0
chr6	74350001	74450000	619	566	74400000	0.3251	2.17E-05	0
chr6	74650001	74750000	368	482	74700000	-0.19336	0.007789	0
chr6	74850001	74950000	393	521	74900000	-0.21079	0.004223	0
chr6	76800001	76900000	383	505	76850000	-0.20298	0.005585	0

chr6	77150001	77250000	387	528	77200000	-0.25224	0.000837	0
chr6	77550001	77650000	338	465	77600000	-0.26424	0.000502	0
chr6	78000001	78100000	442	579	78050000	-0.19355	0.007739	0
chr6	78250001	78350000	367	534	78300000	-0.3451	9.89E-06	0
chr6	78300001	78400000	362	489	78350000	-0.23788	0.001505	0
chr6	78500001	78600000	344	480	78550000	-0.28466	0.000202	0
chr6	78550001	78650000	348	483	78600000	-0.27697	0.000286	0
chr6	78600001	78700000	357	521	78650000	-0.3494	7.84E-06	0
chr6	78700001	78800000	409	405	78750000	0.210142	0.004006	0
chr6	79800001	79900000	446	626	79850000	-0.29316	0.000136	0
chr6	81600001	81700000	411	551	81650000	-0.22695	0.002309	0
chr6	81650001	81750000	435	589	81700000	-0.24129	0.001312	0
chr6	82400001	82500000	658	647	82450000	0.220285	0.002726	0
chr6	83100001	83200000	436	612	83150000	-0.29324	0.000135	0
chr6	83750001	83850000	624	590	83800000	0.276794	0.000244	0
chr6	83850001	83950000	598	599	83900000	0.193553	0.007284	0
chr6	84150001	84250000	433	574	84200000	-0.21072	0.004234	0
chr6	85000001	85100000	403	533	85050000	-0.20739	0.004773	0
chr6	85900001	86000000	429	566	85950000	-0.20386	0.005413	0
chr6	86150001	86250000	644	649	86200000	0.184805	0.009828	0
chr6	86300001	86400000	632	599	86350000	0.273332	0.000287	0
chr6	86350001	86450000	555	534	86400000	0.251611	0.000757	0
chr6	87000001	87100000	398	528	87050000	-0.21181	0.00407	0
chr6	87050001	87150000	406	563	87100000	-0.27569	0.000303	0
chr6	87100001	87200000	404	546	87150000	-0.23858	0.001463	0
chr6	87650001	87750000	553	557	87700000	0.185565	0.00958	0
chr6	88200001	88300000	600	603	88250000	0.188768	0.008592	0
chr6	88250001	88350000	561	564	88300000	0.188269	0.00874	0
chr6	91450001	91550000	445	596	91500000	-0.22554	0.002437	0
chr6	91500001	91600000	444	619	91550000	-0.28342	0.000213	0
chr6	91900001	92000000	404	546	91950000	-0.23858	0.001463	0
chr6	91950001	92050000	398	586	9.20E+07	-0.36217	3.88E-06	0
chr6	92250001	92350000	413	542	92300000	-0.19619	0.007073	0
chr6	92600001	92700000	390	534	92650000	-0.2574	0.000673	0
chr6	93350001	93450000	358	511	93400000	-0.3174	4.17E-05	0
chr6	93650001	93750000	335	458	93700000	-0.25522	0.000739	0
chr6	93850001	93950000	401	526	93900000	-0.1955	0.007243	0
chr6	94100001	94200000	402	530	94150000	-0.20283	0.005613	0
chr6	94300001	94400000	354	516	94350000	-0.34766	8.62E-06	0
chr6	94350001	94450000	396	547	94400000	-0.27008	0.000389	0
chr6	94450001	94550000	397	525	94500000	-0.20722	0.004804	0
chr6	95350001	95450000	387	542	95400000	-0.29	0.000157	0
chr6	95400001	95500000	372	506	95450000	-0.24787	0.001003	0
chr6	95750001	95850000	60	96	95800000	-0.48211	2.06E-09	0
chr6	95800001	95900000	251	356	95850000	-0.30823	6.58E-05	0
chr6	95850001	95950000	356	490	95900000	-0.26494	0.000487	0
chr6	96100001	96200000	392	523	96150000	-0.21999	0.003007	0

chr6	96450001	96550000	410	541	96500000	-0.20404	0.005379	0
chr6	96500001	96600000	409	560	96550000	-0.25736	0.000675	0
chr6	96750001	96850000	413	552	96800000	-0.22256	0.002729	0
chr6	97100001	97200000	440	582	97150000	-0.20755	0.004746	0
chr6	97950001	98050000	429	612	9.80E+07	-0.31659	4.34E-05	0
chr6	98350001	98450000	487	647	98400000	-0.21388	0.003772	0
chr6	98950001	99050000	461	611	9.90E+07	-0.21044	0.004276	0
chr6	1.01E+08	1.01E+08	432	599	1.01E+08	-0.27556	0.000305	0
chr6	1.01E+08	1.01E+08	451	610	1.01E+08	-0.23972	0.001398	0
chr6	1.01E+08	1.02E+08	402	540	1.02E+08	-0.2298	0.002068	0
chr6	1.02E+08	1.02E+08	368	515	1.02E+08	-0.2889	0.000166	0
chr6	1.02E+08	1.02E+08	477	639	1.02E+08	-0.22586	0.002407	0
chr6	1.02E+08	1.03E+08	406	540	1.03E+08	-0.21552	0.003552	0
chr6	1.03E+08	1.03E+08	382	519	1.03E+08	-0.2462	0.001075	0
chr6	1.03E+08	1.03E+08	417	546	1.03E+08	-0.19289	0.007916	0
chr6	1.03E+08	1.03E+08	390	520	1.03E+08	-0.21907	0.003112	0
chr6	1.03E+08	1.04E+08	373	492	1.03E+08	-0.20352	0.005479	0
chr6	1.04E+08	1.04E+08	377	500	1.04E+08	-0.2114	0.00413	0
chr6	1.04E+08	1.04E+08	371	486	1.04E+08	-0.19357	0.007734	0
chr6	1.04E+08	1.04E+08	351	462	1.04E+08	-0.20046	0.006101	0
chr6	1.04E+08	1.04E+08	363	482	1.04E+08	-0.2131	0.003882	0
chr6	1.04E+08	1.04E+08	415	544	1.04E+08	-0.19453	0.007486	0
chr6	1.04E+08	1.05E+08	374	491	1.05E+08	-0.19672	0.006945	0
chr6	1.05E+08	1.05E+08	398	534	1.05E+08	-0.22811	0.002208	0
chr6	1.07E+08	1.08E+08	409	534	1.08E+08	-0.18878	0.009091	0
chr6	1.08E+08	1.08E+08	451	603	1.08E+08	-0.22307	0.002678	0
chr6	1.1E+08	1.11E+08	541	537	1.11E+08	0.20667	0.004554	0
chr6	1.12E+08	1.12E+08	587	586	1.12E+08	0.198423	0.006136	0
chr6	1.12E+08	1.12E+08	546	532	1.12E+08	0.233438	0.001619	0
chr6	1.12E+08	1.12E+08	624	613	1.12E+08	0.221622	0.002588	0
chr6	1.13E+08	1.13E+08	448	588	1.13E+08	-0.19635	0.007033	0
chr6	1.13E+08	1.13E+08	451	589	1.13E+08	-0.18918	0.00897	0
chr6	1.13E+08	1.14E+08	420	569	1.14E+08	-0.24208	0.001271	0
chr6	1.14E+08	1.14E+08	399	567	1.14E+08	-0.311	5.74E-05	0
chr6	1.14E+08	1.14E+08	453	599	1.14E+08	-0.20708	0.004827	0
chr6	1.15E+08	1.15E+08	413	555	1.15E+08	-0.23038	0.002022	0
chr6	1.15E+08	1.15E+08	414	558	1.15E+08	-0.23467	0.001709	0
chr6	1.15E+08	1.15E+08	391	510	1.15E+08	-0.18737	0.009527	0
chr6	1.16E+08	1.16E+08	363	496	1.16E+08	-0.25441	0.000764	0
chr6	1.16E+08	1.16E+08	392	521	1.16E+08	-0.21447	0.003692	0
chr6	1.16E+08	1.16E+08	422	560	1.16E+08	-0.21222	0.004009	0
chr6	1.16E+08	1.16E+08	412	539	1.16E+08	-0.19168	0.008247	0
chr6	1.16E+08	1.16E+08	417	563	1.16E+08	-0.23712	0.001551	0
chr6	1.16E+08	1.16E+08	421	569	1.16E+08	-0.23865	0.001459	0
chr6	1.16E+08	1.16E+08	439	601	1.16E+08	-0.25718	0.00068	0
chr6	1.17E+08	1.17E+08	440	582	1.17E+08	-0.20755	0.004746	0
chr6	1.17E+08	1.17E+08	327	468	1.17E+08	-0.32125	3.43E-05	0

chr6	1.19E+08	1.19E+08	387	510	1.19E+08	-0.2022	0.005739	0
chr6	1.19E+08	1.19E+08	480	641	1.19E+08	-0.22133	0.00286	0
chr6	1.2E+08	1.2E+08	420	549	1.2E+08	-0.19045	0.008594	0
chr6	1.2E+08	1.2E+08	416	564	1.2E+08	-0.24315	0.001217	0
chr6	1.2E+08	1.2E+08	421	589	1.2E+08	-0.28848	0.000169	0
chr6	1.2E+08	1.2E+08	426	556	1.2E+08	-0.18827	0.009246	0
chr6	1.2E+08	1.2E+08	412	541	1.20E+08	-0.19702	0.006873	0
chr6	1.2E+08	1.2E+08	387	546	1.2E+08	-0.3006	9.52E-05	0
chr6	1.2E+08	1.2E+08	402	537	1.2E+08	-0.22176	0.002813	0
chr6	1.2E+08	1.2E+08	483	477	1.2E+08	0.213997	0.003466	0
chr6	1.21E+08	1.21E+08	415	410	1.21E+08	0.21345	0.003539	0
chr6	1.21E+08	1.21E+08	313	429	1.21E+08	-0.25885	0.000633	0
chr6	1.21E+08	1.21E+08	321	432	1.21E+08	-0.23249	0.001862	0
chr6	1.22E+08	1.23E+08	435	573	1.22E+08	-0.20156	0.005871	0
chr6	1.23E+08	1.23E+08	420	551	1.23E+08	-0.1957	0.007193	0
chr6	1.24E+08	1.24E+08	387	511	1.24E+08	-0.20503	0.005194	0
chr6	1.24E+08	1.24E+08	460	608	1.24E+08	-0.20647	0.004933	0
chr6	1.24E+08	1.24E+08	432	564	1.24E+08	-0.1887	0.009114	0
chr6	1.25E+08	1.25E+08	431	570	1.25E+08	-0.20731	0.004787	0
chr6	1.25E+08	1.25E+08	456	596	1.25E+08	-0.19032	0.008634	0
chr6	1.26E+08	1.26E+08	461	637	1.26E+08	-0.27056	0.000381	0
chr6	1.26E+08	1.26E+08	696	656	1.26E+08	0.281355	0.000197	0
chr6	1.27E+08	1.27E+08	479	649	1.27E+08	-0.24223	0.001263	0
chr6	1.27E+08	1.27E+08	374	523	1.27E+08	-0.28781	0.000174	0
chr6	1.27E+08	1.27E+08	412	562	1.27E+08	-0.25196	0.000847	0
chr6	1.27E+08	1.27E+08	432	592	1.27E+08	-0.2586	0.00064	0
chr6	1.27E+08	1.27E+08	445	597	1.27E+08	-0.22796	0.00222	0
chr6	1.28E+08	1.28E+08	433	601	1.28E+08	-0.27703	0.000285	0
chr6	1.31E+08	1.31E+08	405	543	1.31E+08	-0.22707	0.002298	0
chr6	1.32E+08	1.32E+08	370	504	1.32E+08	-0.24994	0.000921	0
chr6	1.32E+08	1.32E+08	376	490	1.32E+08	-0.18609	0.009939	0
chr6	1.33E+08	1.33E+08	467	617	1.33E+08	-0.20588	0.005038	0
chr6	1.34E+08	1.34E+08	682	675	1.34E+08	0.210847	0.003902	0
chr6	1.36E+08	1.36E+08	457	629	1.36E+08	-0.2649	0.000488	0
chr6	1.37E+08	1.37E+08	662	659	1.37E+08	0.202516	0.005298	0
chr6	1.38E+08	1.38E+08	521	683	1.38E+08	-0.19464	0.007458	0
chr6	1.38E+08	1.38E+08	692	685	1.38E+08	0.210631	0.003933	0
chr6	1.38E+08	1.38E+08	454	610	1.38E+08	-0.23015	0.00204	0
chr6	1.39E+08	1.39E+08	621	606	1.39E+08	0.231239	0.00177	0
chr6	1.4E+08	1.4E+08	531	532	1.4E+08	0.193249	0.007361	0
chr6	1.4E+08	1.41E+08	467	611	1.41E+08	-0.19179	0.008217	0
chr6	1.41E+08	1.41E+08	504	683	1.41E+08	-0.2425	0.00125	0
chr6	1.41E+08	1.41E+08	430	563	1.41E+08	-0.19284	0.007931	0
chr6	1.41E+08	1.42E+08	394	519	1.41E+08	-0.20158	0.005867	0
chr6	1.41E+08	1.42E+08	392	512	1.42E+08	-0.18933	0.008925	0
chr6	1.42E+08	1.42E+08	417	554	1.42E+08	-0.21388	0.003773	0
chr6	1.42E+08	1.42E+08	385	504	1.42E+08	-0.1926	0.007993	0

chr6	1.42E+08	1.42E+08	390	537	1.42E+08	-0.26548	0.000476	0
chr6	1.42E+08	1.42E+08	409	544	1.42E+08	-0.21554	0.003549	0
chr6	1.44E+08	1.44E+08	482	634	1.44E+08	-0.19949	0.006311	0
chr6	1.45E+08	1.45E+08	476	630	1.45E+08	-0.20843	0.004599	0
chr6	1.45E+08	1.45E+08	462	650	1.45E+08	-0.29658	0.000115	0
chr6	1.46E+08	1.46E+08	458	610	1.46E+08	-0.2175	0.0033	0
chr6	1.46E+08	1.46E+08	500	662	1.46E+08	-0.20894	0.004515	0
chr6	1.46E+08	1.46E+08	446	609	1.46E+08	-0.25344	0.000796	0
chr6	1.46E+08	1.46E+08	484	669	1.46E+08	-0.27104	0.000373	0
chr6	1.47E+08	1.47E+08	401	524	1.47E+08	-0.19	0.008726	0
chr6	1.47E+08	1.48E+08	601	595	1.48E+08	0.210438	0.003962	0
chr6	1.48E+08	1.48E+08	586	571	1.48E+08	0.233373	0.001624	0
chr6	1.52E+08	1.52E+08	472	616	1.52E+08	-0.18818	0.009273	0
chr6	1.52E+08	1.52E+08	459	636	1.52E+08	-0.27457	0.000319	0
chr6	1.53E+08	1.53E+08	457	599	1.53E+08	-0.1944	0.00752	0
chr6	1.54E+08	1.54E+08	394	529	1.54E+08	-0.22911	0.002124	0
chr6	1.54E+08	1.54E+08	357	484	1.54E+08	-0.24312	0.001219	0
chr6	1.55E+08	1.55E+08	566	568	1.55E+08	0.190874	0.007993	0
chr6	1.56E+08	1.56E+08	604	589	1.56E+08	0.232244	0.001699	0
chr6	1.56E+08	1.56E+08	569	545	1.56E+08	0.258135	0.00057	0
chr6	1.58E+08	1.58E+08	415	394	1.58E+08	0.270879	0.000321	0
chr6	1.58E+08	1.58E+08	647	639	1.58E+08	0.213913	0.003478	0
chr6	1.59E+08	1.59E+08	518	677	1.59E+08	-0.19024	0.008656	0
chr6	1.59E+08	1.59E+08	644	633	1.59E+08	0.220818	0.00267	0
chr6	1.59E+08	1.59E+08	549	543	1.59E+08	0.211817	0.003763	0
chr6	1.6E+08	1.6E+08	479	459	1.6E+08	0.257495	0.000586	0
chr6	1.6E+08	1.6E+08	593	545	1.6E+08	0.317739	3.21E-05	0
chr6	1.61E+08	1.61E+08	343	473	1.61E+08	-0.26767	0.000433	0
chr6	1.61E+08	1.61E+08	396	523	1.61E+08	-0.20535	0.005135	0
chr6	1.61E+08	1.61E+08	439	573	1.61E+08	-0.18835	0.00922	0
chr6	1.63E+08	1.63E+08	433	576	1.63E+08	-0.21574	0.003523	0
chr6	1.64E+08	1.64E+08	512	669	1.64E+08	-0.1899	0.008756	0
chr6	1.65E+08	1.65E+08	417	561	1.65E+08	-0.23199	0.001899	0
chr6	1.66E+08	1.66E+08	779	757	1.66E+08	0.237293	0.001384	0
chr6	1.68E+08	1.68E+08	585	546	1.68E+08	0.295499	9.96E-05	0
chr6	1.68E+08	1.68E+08	446	424	1.68E+08	0.268942	0.000351	0
chr6	1.68E+08	1.68E+08	473	449	1.68E+08	0.271088	0.000318	0
chr6	1.68E+08	1.68E+08	756	757	1.68E+08	0.194056	0.007157	0
chr6	1.68E+08	1.68E+08	35	57	1.68E+08	-0.50764	3.36E-10	0
chr6	1.68E+08	1.68E+08	680	681	1.68E+08	0.193843	0.00721	0
chr6	1.69E+08	1.69E+08	492	656	1.69E+08	-0.21907	0.003112	0
chr6	1.69E+08	1.69E+08	625	630	1.69E+08	0.184467	0.00994	0
chr6	1.7E+08	1.7E+08	638	635	1.7E+08	0.202763	0.005251	0
chr6	1.7E+08	1.7E+08	679	683	1.7E+08	0.187489	0.008975	0
chr6	1.71E+08	1.71E+08	4	2	1.71E+08	1.195963	1.84E-42	0
chr6	1.71E+08	1.71E+08	1	2	1.71E+08	-0.80404	3.29E-21	0
chr6	1250001	1350000	1329	1385	1300000	0.136418	0.042466	0

chr6	1300001	1400000	1309	1367	1350000	0.133415	0.046009	0
chr6	1950001	2050000	1095	1375	2.00E+06	-0.13254	0.048115	0
chr6	2600001	2700000	1402	1435	2650000	0.162399	0.020157	0
chr6	2750001	2850000	1399	1456	2800000	0.138349	0.040308	0
chr6	2900001	3000000	1266	1318	2950000	0.13789	0.040812	0
chr6	2950001	3050000	1318	1341	3.00E+06	0.171004	0.015426	0
chr6	3250001	3350000	1433	1450	3300000	0.178949	0.011939	0
chr6	3450001	3550000	1357	1408	3500000	0.142736	0.035734	0
chr6	3750001	3850000	1357	1373	3800000	0.179052	0.011899	0
chr6	3800001	3900000	1345	1383	3850000	0.155768	0.024597	0
chr6	5900001	6000000	1033	1300	5950000	-0.13571	0.04429	0
chr6	6100001	6200000	892	1123	6150000	-0.13628	0.043629	0
chr6	6150001	6250000	904	1148	6200000	-0.14876	0.031054	0
chr6	6200001	6300000	968	1215	6250000	-0.13191	0.048898	0
chr6	6800001	6900000	1358	1387	6850000	0.165479	0.018338	0
chr6	7100001	7200000	1324	1353	7150000	0.164704	0.018782	0
chr6	8650001	8750000	940	1190	8700000	-0.14427	0.035185	0
chr6	9000001	9100000	934	1192	9050000	-0.15593	0.025316	0
chr6	9350001	9450000	970	1237	9400000	-0.15483	0.026136	0
chr6	9800001	9900000	832	1053	9850000	-0.14389	0.035552	0
chr6	9850001	9950000	867	1100	9900000	-0.14744	0.03223	0
chr6	10200001	10300000	1043	1316	10250000	-0.13946	0.04009	0
chr6	10350001	10450000	1300	1342	10400000	0.15009	0.029028	0
chr6	13550001	13650000	1332	1389	13600000	0.135511	0.043513	0
chr6	15200001	15300000	1031	1077	15250000	0.132989	0.04653	0
chr6	15600001	15700000	1178	1229	15650000	0.134818	0.044326	0
chr6	17550001	17650000	1100	1142	17600000	0.141904	0.036567	0
chr6	17600001	17700000	1162	1216	17650000	0.13043	0.049762	0
chr6	17900001	18000000	1259	1296	17950000	0.154176	0.025778	0
chr6	18600001	18700000	1044	1322	18650000	-0.14464	0.034827	0
chr6	18850001	18950000	845	1078	18900000	-0.15537	0.025727	0
chr6	19450001	19550000	833	1052	19500000	-0.14078	0.038684	0
chr6	20250001	20350000	756	950	20300000	-0.13358	0.046832	0
chr6	20350001	20450000	930	971	20400000	0.133722	0.045636	0
chr6	21150001	21250000	776	990	21200000	-0.15541	0.025699	0
chr6	21300001	21400000	667	838	21350000	-0.1333	0.047172	0
chr6	21850001	21950000	632	803	21900000	-0.14951	0.030409	0
chr6	22150001	22250000	582	748	22200000	-0.16606	0.018745	0
chr6	22450001	22550000	603	784	22500000	-0.18273	0.011094	0
chr6	22750001	22850000	663	850	22800000	-0.16249	0.020869	0
chr6	22850001	22950000	683	864	22900000	-0.14318	0.036244	0
chr6	22950001	23050000	600	781	2.30E+07	-0.1844	0.010507	0
chr6	23400001	23500000	625	798	23450000	-0.15657	0.024848	0
chr6	23450001	23550000	648	843	23500000	-0.18358	0.010794	0
chr6	23500001	23600000	648	823	23550000	-0.14894	0.030906	0
chr6	23900001	24000000	666	848	23950000	-0.15258	0.027877	0
chr6	24300001	24400000	839	867	24350000	0.148602	0.030293	0

chr6	25450001	25550000	781	980	25500000	-0.1315	0.049428	0
chr6	26300001	26400000	895	923	26350000	0.15152	0.027854	0
chr6	26350001	26450000	860	873	26400000	0.174318	0.013877	0
chr6	26550001	26650000	919	934	26600000	0.172605	0.01466	0
chr6	26750001	26850000	74	77	26800000	0.13863	0.040001	0
chr6	27400001	27500000	887	926	27450000	0.133885	0.045439	0
chr6	27500001	27600000	878	913	27550000	0.139569	0.03899	0
chr6	27600001	27700000	819	828	27650000	0.180196	0.011459	0
chr6	27750001	27850000	834	860	27800000	0.151674	0.02773	0
chr6	28250001	28350000	944	985	28300000	0.134626	0.044552	0
chr6	28650001	28750000	813	842	28700000	0.145398	0.033173	0
chr6	28700001	28800000	770	802	28750000	0.137219	0.04156	0
chr6	28850001	28950000	815	843	28900000	0.14723	0.031499	0
chr6	28900001	29000000	866	895	28950000	0.148442	0.030431	0
chr6	29600001	29700000	863	882	29650000	0.164545	0.018874	0
chr6	30700001	30800000	944	973	30750000	0.15231	0.027222	0
chr6	30850001	30950000	1124	1165	30900000	0.144275	0.034234	0
chr6	31050001	31150000	1015	1058	31100000	0.136103	0.042827	0
chr6	31300001	31400000	814	850	31350000	0.133529	0.04587	0
chr6	31350001	31450000	886	909	31400000	0.158989	0.022347	0
chr6	31400001	31500000	866	874	31450000	0.182697	0.010547	0
chr6	31950001	32050000	373	386	3.20E+07	0.146538	0.032123	0
chr6	32000001	32100000	914	922	32050000	0.18339	0.010306	0
chr6	32150001	32250000	897	912	32200000	0.172037	0.014928	0
chr6	32600001	32700000	676	705	32650000	0.135363	0.043685	0
chr6	32750001	32850000	978	1016	32800000	0.140969	0.037522	0
chr6	32900001	33000000	1031	1062	32950000	0.153224	0.026507	0
chr6	33450001	33550000	794	814	33500000	0.160073	0.02163	0
chr6	33550001	33650000	1139	1182	33600000	0.142501	0.035968	0
chr6	33600001	33700000	1249	1269	33650000	0.173044	0.014456	0
chr6	33650001	33750000	1218	1254	33700000	0.15394	0.025957	0
chr6	33700001	33800000	1240	1252	33750000	0.182069	0.01077	0
chr6	33850001	33950000	1111	1162	33900000	0.131212	0.048756	0
chr6	33900001	34000000	1150	1191	33950000	0.145423	0.033149	0
chr6	34100001	34200000	960	969	34150000	0.182501	0.010616	0
chr6	34150001	34250000	861	888	34200000	0.151417	0.027937	0
chr6	34600001	34700000	845	859	34650000	0.172256	0.014824	0
chr6	34700001	34800000	814	847	34750000	0.13863	0.040001	0
chr6	34850001	34950000	975	1007	34900000	0.149373	0.029631	0
chr6	35150001	35250000	1078	1104	35200000	0.16158	0.020666	0
chr6	35600001	35700000	895	935	35650000	0.132884	0.046659	0
chr6	35700001	35800000	873	900	35750000	0.15202	0.027453	0
chr6	35750001	35850000	860	870	35800000	0.179284	0.011808	0
chr6	35800001	35900000	884	894	35850000	0.179735	0.011635	0
chr6	36300001	36400000	1016	1046	36350000	0.153981	0.025926	0
chr6	36450001	36550000	924	965	36500000	0.133327	0.046116	0
chr6	36600001	36700000	1045	1068	36650000	0.164554	0.018869	0

chr6	36700001	36800000	1174	1227	36750000	0.13226	0.047433	0
chr6	36900001	37000000	1161	1173	36950000	0.181128	0.011112	0
chr6	37150001	37250000	923	935	37200000	0.177327	0.012589	0
chr6	37250001	37350000	984	1025	37300000	0.137069	0.041728	0
chr6	37450001	37550000	1136	1174	37500000	0.148493	0.030387	0
chr6	37700001	37800000	966	1011	37750000	0.130275	0.049963	0
chr6	37750001	37850000	927	947	37800000	0.165168	0.018515	0
chr6	37800001	37900000	861	886	37850000	0.15467	0.025407	0
chr6	38000001	38100000	901	928	38050000	0.153365	0.026397	0
chr6	38350001	38450000	737	932	38400000	-0.1427	0.036722	0
chr6	38600001	38700000	861	897	38650000	0.136868	0.041955	0
chr6	39500001	39600000	662	842	39550000	-0.15103	0.029136	0
chr6	39650001	39750000	710	738	39700000	0.140161	0.038364	0
chr6	40050001	40150000	723	931	40100000	-0.16882	0.017227	0
chr6	40850001	40950000	852	1102	40900000	-0.17524	0.014109	0
chr6	41000001	41100000	988	1016	41050000	0.155646	0.024687	0
chr6	41050001	41150000	930	966	41100000	0.141171	0.037315	0
chr6	41850001	41950000	953	961	41900000	0.183903	0.010131	0
chr6	42000001	42100000	973	989	42050000	0.172432	0.014741	0
chr6	42100001	42200000	901	919	42150000	0.167425	0.017263	0
chr6	42200001	42300000	1004	1028	42250000	0.161882	0.020477	0
chr6	42750001	42850000	856	870	42800000	0.172558	0.014682	0
chr6	42950001	43050000	1030	1041	4.30E+07	0.180637	0.011293	0
chr6	43350001	43450000	899	934	43400000	0.140862	0.037633	0
chr6	43400001	43500000	1043	1058	43450000	0.175363	0.013418	0
chr6	43450001	43550000	966	974	43500000	0.184064	0.010076	0
chr6	43600001	43700000	1074	1113	43650000	0.144503	0.034016	0
chr6	43750001	43850000	1205	1247	43800000	0.146535	0.032126	0
chr6	43900001	44000000	1243	1265	43950000	0.170652	0.015599	0
chr6	44000001	44100000	1261	1274	44050000	0.181166	0.011098	0
chr6	44650001	44750000	671	844	44700000	-0.13497	0.045162	0
chr6	46000001	46100000	702	893	46050000	-0.15123	0.028971	0
chr6	46200001	46300000	759	963	46250000	-0.14747	0.032197	0
chr6	46300001	46400000	708	902	46350000	-0.15342	0.027218	0
chr6	46850001	46950000	795	1024	46900000	-0.16923	0.017015	0
chr6	47750001	47850000	735	956	47800000	-0.1833	0.01089	0
chr6	47950001	48050000	639	803	4.80E+07	-0.13362	0.04678	0
chr6	48000001	48100000	614	794	48050000	-0.17494	0.014242	0
chr6	48100001	48200000	635	818	48150000	-0.16938	0.016934	0
chr6	48250001	48350000	614	777	48300000	-0.14371	0.035722	0
chr6	48350001	48450000	610	785	48400000	-0.16792	0.01771	0
chr6	49050001	49150000	576	725	49100000	-0.13595	0.04401	0
chr6	49250001	49350000	618	788	49300000	-0.15463	0.026287	0
chr6	49650001	49750000	600	759	49700000	-0.14317	0.036252	0
chr6	50700001	50800000	675	849	50750000	-0.13491	0.045225	0
chr6	51100001	51200000	651	843	51150000	-0.17691	0.013379	0
chr6	51350001	51450000	664	861	51400000	-0.17887	0.01257	0



chr6	51450001	51550000	589	740	51500000	-0.13329	0.047179	0
chr6	51600001	51700000	678	858	51650000	-0.14373	0.035706	0
chr6	51900001	52000000	741	933	51950000	-0.13644	0.043443	0
chr6	52050001	52150000	783	1015	52100000	-0.17843	0.012746	0
chr6	52300001	52400000	942	957	52350000	0.173171	0.014397	0
chr6	52350001	52450000	1091	1100	52400000	0.184111	0.01006	0
chr6	53050001	53150000	876	898	53100000	0.160178	0.021561	0
chr6	54050001	54150000	655	830	54100000	-0.14565	0.033865	0
chr6	54200001	54300000	673	852	54250000	-0.14428	0.035167	0
chr6	54800001	54900000	582	744	54850000	-0.15832	0.02361	0
chr6	54850001	54950000	633	796	54900000	-0.1346	0.045599	0
chr6	55250001	55350000	750	959	55300000	-0.15868	0.023364	0
chr6	55300001	55400000	745	962	55350000	-0.17283	0.015214	0
chr6	55350001	55450000	723	942	55400000	-0.18577	0.010044	0
chr6	55400001	55500000	681	868	55450000	-0.15408	0.026705	0
chr6	55450001	55550000	668	852	55500000	-0.15504	0.025973	0
chr6	55800001	55900000	708	891	55850000	-0.13571	0.044285	0
chr6	56000001	56100000	672	858	56050000	-0.15655	0.02486	0
chr6	56050001	56150000	688	884	56100000	-0.16567	0.018963	0
chr6	56100001	56200000	725	927	56150000	-0.15863	0.0234	0
chr6	56250001	56350000	816	1031	56300000	-0.14144	0.038003	0
chr6	56300001	56400000	809	1035	56350000	-0.15946	0.022835	0
chr6	56550001	56650000	869	879	56600000	0.179456	0.011742	0
chr6	56850001	56950000	872	910	56900000	0.134425	0.044792	0
chr6	56900001	57000000	891	902	56950000	0.178261	0.012211	0
chr6	57100001	57200000	795	826	57150000	0.140776	0.037722	0
chr6	61800001	61900000	102	129	61850000	-0.14284	0.036586	0
chr6	61950001	62050000	475	613	6.20E+07	-0.172	0.015617	0
chr6	62700001	62800000	552	703	62750000	-0.15289	0.027627	0
chr6	63150001	63250000	589	739	63200000	-0.13134	0.049623	0
chr6	63200001	63300000	525	674	63250000	-0.16447	0.019667	0
chr6	63350001	63450000	580	752	63400000	-0.17872	0.012631	0
chr6	63400001	63500000	597	760	63450000	-0.15231	0.028095	0
chr6	63750001	63850000	579	733	63800000	-0.14429	0.035164	0
chr6	63800001	63900000	648	841	63850000	-0.18015	0.012063	0
chr6	63850001	63950000	609	792	63900000	-0.1831	0.010964	0
chr6	64200001	64300000	852	866	64250000	0.172449	0.014733	0
chr6	64900001	65000000	627	798	64950000	-0.15196	0.028373	0
chr6	64950001	65050000	604	770	6.50E+07	-0.15435	0.026499	0
chr6	65100001	65200000	551	692	65150000	-0.13276	0.047843	0
chr6	65250001	65350000	590	751	65300000	-0.15213	0.028232	0
chr6	65300001	65400000	569	733	65350000	-0.16942	0.016913	0
chr6	65350001	65450000	560	724	65400000	-0.1746	0.014394	0
chr6	65700001	65800000	590	753	65750000	-0.15597	0.025283	0
chr6	65950001	66050000	407	527	6.60E+07	-0.17681	0.013422	0
chr6	66000001	66100000	436	562	66050000	-0.17028	0.016471	0
chr6	66150001	66250000	551	693	66200000	-0.13484	0.045313	0

chr6	66200001	66300000	528	680	66250000	-0.16903	0.017115	0
chr6	66600001	66700000	567	712	66650000	-0.13257	0.048081	0
chr6	66850001	66950000	557	723	66900000	-0.18036	0.011983	0
chr6	67350001	67450000	522	664	67400000	-0.15117	0.029017	0
chr6	67500001	67600000	538	680	67550000	-0.14197	0.037466	0
chr6	67550001	67650000	547	704	67600000	-0.16807	0.017628	0
chr6	67650001	67750000	563	720	67700000	-0.1589	0.023212	0
chr6	67750001	67850000	536	677	67800000	-0.14096	0.0385	0
chr6	67950001	68050000	568	721	6.80E+07	-0.14815	0.031598	0
chr6	68150001	68250000	562	717	68200000	-0.15544	0.025676	0
chr6	68200001	68300000	528	664	68250000	-0.13468	0.0455	0
chr6	68350001	68450000	552	711	68400000	-0.16922	0.017019	0
chr6	68700001	68800000	554	721	68750000	-0.18415	0.010593	0
chr6	68950001	69050000	548	703	6.90E+07	-0.16339	0.020317	0
chr6	69150001	69250000	492	640	69200000	-0.18345	0.010838	0
chr6	69200001	69300000	546	686	69250000	-0.13334	0.047118	0
chr6	69600001	69700000	597	754	69650000	-0.14087	0.038593	0
chr6	69800001	69900000	595	771	69850000	-0.17788	0.012974	0
chr6	69950001	70050000	611	780	7.00E+07	-0.15634	0.025015	0
chr6	70000001	70100000	603	785	70050000	-0.18457	0.010447	0
chr6	70050001	70150000	612	771	70100000	-0.13724	0.042537	0
chr6	70700001	70800000	580	731	70750000	-0.13786	0.041843	0
chr6	71000001	71100000	733	761	71050000	0.14188	0.036592	0
chr6	71050001	71150000	842	852	71100000	0.17893	0.011946	0
chr6	72000001	72100000	794	1005	72050000	-0.14402	0.035421	0
chr6	72150001	72250000	754	947	72200000	-0.13284	0.047743	0
chr6	72200001	72300000	732	921	72250000	-0.13539	0.044658	0
chr6	72250001	72350000	747	957	72300000	-0.16145	0.021528	0
chr6	72300001	72400000	763	990	72350000	-0.17978	0.012206	0
chr6	72500001	72600000	633	821	72550000	-0.17921	0.012431	0
chr6	72700001	72800000	629	801	72750000	-0.15278	0.027718	0
chr6	72750001	72850000	624	792	72800000	-0.14799	0.031734	0
chr6	72900001	73000000	631	817	72950000	-0.17673	0.013456	0
chr6	74600001	74700000	374	479	74650000	-0.16102	0.0218	0
chr6	74900001	75000000	406	525	74950000	-0.17487	0.01427	0
chr6	75250001	75350000	548	560	75300000	0.164712	0.018777	0
chr6	75800001	75900000	609	629	75850000	0.149345	0.029655	0
chr6	75900001	76000000	648	673	75950000	0.14135	0.03713	0
chr6	76200001	76300000	549	570	76250000	0.141807	0.036665	0
chr6	76400001	76500000	517	541	76450000	0.130499	0.049673	0
chr6	76450001	76550000	549	573	76500000	0.134234	0.04502	0
chr6	76750001	76850000	397	502	76800000	-0.14259	0.036839	0
chr6	77200001	77300000	420	536	77250000	-0.15588	0.02535	0
chr6	77450001	77550000	400	506	77500000	-0.14317	0.036252	0
chr6	77500001	77600000	387	494	77550000	-0.15621	0.025106	0
chr6	77600001	77700000	325	419	77650000	-0.17055	0.016335	0
chr6	77700001	77800000	368	463	77750000	-0.13534	0.044718	0

chr6	77750001	77850000	369	463	77800000	-0.13143	0.049515	0
chr6	78200001	78300000	415	538	78250000	-0.17853	0.012706	0
chr6	78450001	78550000	346	445	78500000	-0.16707	0.018176	0
chr6	78900001	79000000	256	325	78950000	-0.14833	0.031433	0
chr6	79200001	79300000	409	532	79250000	-0.18336	0.010869	0
chr6	79250001	79350000	454	570	79300000	-0.13231	0.048404	0
chr6	79300001	79400000	421	531	79350000	-0.13893	0.040662	0
chr6	79550001	79650000	427	542	79600000	-0.14809	0.031644	0
chr6	79600001	79700000	426	546	79650000	-0.16208	0.021123	0
chr6	79700001	79800000	597	615	79750000	0.153108	0.026597	0
chr6	79850001	79950000	514	651	79900000	-0.14493	0.034552	0
chr6	80250001	80350000	558	571	80300000	0.162737	0.01995	0
chr6	80400001	80500000	475	615	80450000	-0.1767	0.013471	0
chr6	80450001	80550000	476	599	80500000	-0.13563	0.04438	0
chr6	82000001	82100000	462	478	82050000	0.146845	0.031845	0
chr6	82200001	82300000	439	551	82250000	-0.13187	0.048956	0
chr6	82250001	82350000	459	584	82300000	-0.15151	0.028738	0
chr6	83050001	83150000	544	699	83100000	-0.16572	0.018935	0
chr6	83150001	83250000	449	568	83200000	-0.14321	0.036215	0
chr6	83700001	83800000	555	567	83750000	0.165102	0.018553	0
chr6	83800001	83900000	593	603	83850000	0.171837	0.015023	0
chr6	84000001	84100000	411	517	84050000	-0.13506	0.045048	0
chr6	84400001	84500000	465	596	84450000	-0.16212	0.021102	0
chr6	84750001	84850000	409	520	84800000	-0.15045	0.029617	0
chr6	84950001	85050000	464	583	8.50E+07	-0.13341	0.04704	0
chr6	85050001	85150000	443	569	85100000	-0.16516	0.019261	0
chr6	85600001	85700000	420	545	85650000	-0.1799	0.012158	0
chr6	85650001	85750000	425	549	85700000	-0.17338	0.014956	0
chr6	85700001	85800000	466	604	85750000	-0.17826	0.012818	0
chr6	86100001	86200000	658	684	86150000	0.140054	0.038476	0
chr6	86450001	86550000	349	442	86500000	-0.14486	0.034618	0
chr6	86750001	86850000	406	524	86800000	-0.17212	0.015555	0
chr6	86800001	86900000	425	545	86850000	-0.16283	0.020658	0
chr6	87150001	87250000	379	493	87200000	-0.18343	0.010846	0
chr6	87200001	87300000	371	470	87250000	-0.14528	0.034218	0
chr6	87600001	87700000	496	513	87650000	0.147344	0.031398	0
chr6	88600001	88700000	647	655	88650000	0.178234	0.012222	0
chr6	88700001	88800000	508	646	88750000	-0.15074	0.029371	0
chr6	89200001	89300000	582	606	89250000	0.137664	0.041063	0
chr6	89250001	89350000	604	632	89300000	0.130587	0.049559	0
chr6	89450001	89550000	442	569	89500000	-0.16842	0.017441	0
chr6	89500001	89600000	472	594	89550000	-0.13571	0.044285	0
chr6	89600001	89700000	529	542	89650000	0.160938	0.021072	0
chr6	90250001	90350000	603	631	90300000	0.130481	0.049696	0
chr6	91400001	91500000	467	604	91450000	-0.17516	0.014141	0
chr6	91600001	91700000	525	547	91650000	0.13674	0.0421	0
chr6	92550001	92650000	403	515	92600000	-0.15783	0.023952	0

chr6	92750001	92850000	418	526	92800000	-0.1356	0.044421	0
chr6	92800001	92900000	437	564	92850000	-0.1721	0.015567	0
chr6	93400001	93500000	410	530	93450000	-0.17441	0.014483	0
chr6	93550001	93650000	400	508	93600000	-0.14887	0.030967	0
chr6	93600001	93700000	377	477	93650000	-0.14346	0.035969	0
chr6	93700001	93800000	382	497	93750000	-0.18371	0.010746	0
chr6	93800001	93900000	419	540	93850000	-0.17005	0.01659	0
chr6	93900001	94000000	413	537	93950000	-0.18282	0.011064	0
chr6	93950001	94050000	429	547	9.40E+07	-0.1546	0.026306	0
chr6	94050001	94150000	419	528	94100000	-0.13762	0.042101	0
chr6	94200001	94300000	395	502	94250000	-0.14987	0.030103	0
chr6	94250001	94350000	368	471	94300000	-0.16006	0.022433	0
chr6	94600001	94700000	427	537	94650000	-0.13472	0.045452	0
chr6	94650001	94750000	424	544	94700000	-0.16358	0.0202	0
chr6	94700001	94800000	416	525	94750000	-0.13977	0.039754	0
chr6	95100001	95200000	424	542	95150000	-0.15827	0.023648	0
chr6	95900001	96000000	407	513	95950000	-0.13797	0.041719	0
chr6	96150001	96250000	377	486	96200000	-0.17043	0.016395	0
chr6	96550001	96650000	407	519	96600000	-0.15474	0.026198	0
chr6	97750001	97850000	405	514	97800000	-0.14788	0.03183	0
chr6	97900001	98000000	461	600	97950000	-0.18423	0.010564	0
chr6	98000001	98100000	433	561	98050000	-0.17767	0.01306	0
chr6	98200001	98300000	455	466	98250000	0.1615	0.020716	0
chr6	98300001	98400000	442	573	98350000	-0.17853	0.012708	0
chr6	98700001	98800000	484	629	98750000	-0.18209	0.011329	0
chr6	98750001	98850000	436	562	98800000	-0.17028	0.016471	0
chr6	99300001	99400000	526	545	99350000	0.14477	0.033763	0
chr6	99700001	99800000	528	678	99750000	-0.16478	0.01948	0
chr6	1.01E+08	1.01E+08	510	640	1.01E+08	-0.13161	0.049281	0
chr6	1.02E+08	1.02E+08	440	568	1.02E+08	-0.17242	0.01541	0
chr6	1.02E+08	1.02E+08	509	659	1.02E+08	-0.17665	0.013491	0
chr6	1.02E+08	1.02E+08	469	605	1.02E+08	-0.17138	0.015917	0
chr6	1.02E+08	1.02E+08	481	604	1.02E+08	-0.13255	0.048102	0
chr6	1.02E+08	1.02E+08	435	561	1.02E+08	-0.17102	0.016096	0
chr6	1.02E+08	1.03E+08	436	550	1.02E+08	-0.13914	0.040432	0
chr6	1.03E+08	1.03E+08	428	541	1.03E+08	-0.14205	0.037375	0
chr6	1.03E+08	1.03E+08	402	505	1.03E+08	-0.13312	0.047388	0
chr6	1.04E+08	1.04E+08	420	535	1.04E+08	-0.15319	0.027397	0
chr6	1.04E+08	1.04E+08	358	464	1.04E+08	-0.1782	0.01284	0
chr6	1.04E+08	1.04E+08	365	474	1.04E+08	-0.18103	0.011726	0
chr6	1.04E+08	1.04E+08	361	467	1.04E+08	-0.17546	0.014009	0
chr6	1.04E+08	1.04E+08	372	473	1.04E+08	-0.15057	0.029511	0
chr6	1.04E+08	1.05E+08	429	545	1.04E+08	-0.14932	0.030578	0
chr6	1.05E+08	1.05E+08	408	518	1.05E+08	-0.14842	0.031356	0
chr6	1.05E+08	1.05E+08	398	501	1.05E+08	-0.13608	0.04386	0
chr6	1.05E+08	1.06E+08	393	498	1.05E+08	-0.14565	0.033865	0
chr6	1.05E+08	1.06E+08	458	576	1.06E+08	-0.13476	0.04541	0

chr6	1.07E+08	1.07E+08	648	662	1.07E+08	0.165126	0.01854	0
chr6	1.08E+08	1.08E+08	461	591	1.08E+08	-0.16243	0.020908	0
chr6	1.08E+08	1.08E+08	524	548	1.08E+08	0.131354	0.048575	0
chr6	1.08E+08	1.08E+08	530	552	1.08E+08	0.137287	0.041483	0
chr6	1.09E+08	1.09E+08	557	579	1.09E+08	0.140077	0.038452	0
chr6	1.09E+08	1.09E+08	613	632	1.09E+08	0.151926	0.027528	0
chr6	1.11E+08	1.11E+08	495	642	1.11E+08	-0.17918	0.012444	0
chr6	1.11E+08	1.11E+08	507	523	1.11E+08	0.151138	0.028163	0
chr6	1.12E+08	1.12E+08	558	566	1.12E+08	0.175426	0.01339	0
chr6	1.12E+08	1.12E+08	622	638	1.12E+08	0.159321	0.022125	0
chr6	1.12E+08	1.12E+08	627	653	1.12E+08	0.137345	0.041418	0
chr6	1.12E+08	1.12E+08	633	653	1.12E+08	0.151086	0.028206	0
chr6	1.12E+08	1.12E+08	689	697	1.12E+08	0.179308	0.011799	0
chr6	1.12E+08	1.12E+08	697	725	1.12E+08	0.139141	0.039449	0
chr6	1.13E+08	1.13E+08	459	591	1.13E+08	-0.1687	0.017291	0
chr6	1.14E+08	1.14E+08	448	566	1.14E+08	-0.14134	0.038106	0
chr6	1.14E+08	1.14E+08	474	598	1.14E+08	-0.1393	0.040264	0
chr6	1.14E+08	1.15E+08	503	636	1.14E+08	-0.14251	0.03692	0
chr6	1.15E+08	1.15E+08	405	511	1.15E+08	-0.13944	0.04011	0
chr6	1.15E+08	1.15E+08	354	449	1.15E+08	-0.147	0.032621	0
chr6	1.16E+08	1.16E+08	424	547	1.16E+08	-0.17151	0.015853	0
chr6	1.17E+08	1.17E+08	522	542	1.17E+08	0.14172	0.036753	0
chr6	1.17E+08	1.17E+08	532	554	1.17E+08	0.137503	0.041242	0
chr6	1.17E+08	1.18E+08	487	624	1.18E+08	-0.16166	0.021391	0
chr6	1.18E+08	1.18E+08	579	730	1.18E+08	-0.13837	0.041273	0
chr6	1.18E+08	1.18E+08	632	646	1.18E+08	0.164353	0.018986	0
chr6	1.18E+08	1.18E+08	582	600	1.18E+08	0.15202	0.027453	0
chr6	1.18E+08	1.18E+08	448	468	1.18E+08	0.132953	0.046574	0
chr6	1.18E+08	1.18E+08	448	571	1.18E+08	-0.15403	0.026742	0
chr6	1.19E+08	1.19E+08	493	627	1.19E+08	-0.15091	0.029228	0
chr6	1.19E+08	1.19E+08	464	604	1.19E+08	-0.18446	0.010485	0
chr6	1.19E+08	1.19E+08	445	577	1.19E+08	-0.1788	0.012596	0
chr6	1.2E+08	1.2E+08	361	453	1.2E+08	-0.13155	0.049361	0
chr6	1.2E+08	1.21E+08	377	488	1.21E+08	-0.17635	0.013619	0
chr6	1.21E+08	1.21E+08	335	432	1.21E+08	-0.17091	0.016154	0
chr6	1.21E+08	1.21E+08	321	411	1.21E+08	-0.1606	0.022075	0
chr6	1.21E+08	1.22E+08	345	447	1.21E+08	-0.17772	0.013041	0
chr6	1.21E+08	1.22E+08	371	481	1.22E+08	-0.17865	0.012656	0
chr6	1.22E+08	1.22E+08	392	492	1.22E+08	-0.13184	0.04899	0
chr6	1.22E+08	1.23E+08	429	549	1.23E+08	-0.15987	0.022561	0
chr6	1.23E+08	1.23E+08	575	586	1.23E+08	0.168624	0.016627	0
chr6	1.23E+08	1.24E+08	434	545	1.23E+08	-0.1326	0.04804	0
chr6	1.24E+08	1.24E+08	446	568	1.24E+08	-0.15288	0.027635	0
chr6	1.24E+08	1.24E+08	449	574	1.24E+08	-0.15837	0.023574	0
chr6	1.24E+08	1.25E+08	449	569	1.24E+08	-0.14575	0.033775	0
chr6	1.25E+08	1.25E+08	411	535	1.25E+08	-0.18444	0.010493	0
chr6	1.25E+08	1.25E+08	447	573	1.25E+08	-0.1623	0.02099	0

chr6	1.26E+08	1.26E+08	673	697	1.26E+08	0.145411	0.033161	0
chr6	1.26E+08	1.26E+08	530	679	1.26E+08	-0.16146	0.021522	0
chr6	1.26E+08	1.26E+08	525	681	1.26E+08	-0.17937	0.012367	0
chr6	1.26E+08	1.27E+08	630	638	1.26E+08	0.177758	0.012413	0
chr6	1.27E+08	1.27E+08	510	664	1.27E+08	-0.18472	0.010396	0
chr6	1.27E+08	1.27E+08	404	508	1.27E+08	-0.13451	0.045706	0
chr6	1.27E+08	1.27E+08	450	576	1.27E+08	-0.16018	0.022351	0
chr6	1.28E+08	1.28E+08	523	539	1.28E+08	0.152489	0.027081	0
chr6	1.28E+08	1.28E+08	425	537	1.28E+08	-0.1415	0.037946	0
chr6	1.28E+08	1.28E+08	469	610	1.28E+08	-0.18326	0.010906	0
chr6	1.28E+08	1.28E+08	481	604	1.28E+08	-0.13255	0.048102	0
chr6	1.28E+08	1.28E+08	451	571	1.28E+08	-0.1444	0.035055	0
chr6	1.28E+08	1.29E+08	489	627	1.29E+08	-0.16267	0.020759	0
chr6	1.29E+08	1.29E+08	488	631	1.29E+08	-0.1748	0.014306	0
chr6	1.3E+08	1.3E+08	510	652	1.3E+08	-0.15841	0.023547	0
chr6	1.3E+08	1.3E+08	438	568	1.3E+08	-0.179	0.012518	0
chr6	1.3E+08	1.31E+08	494	501	1.31E+08	0.175663	0.013288	0
chr6	1.31E+08	1.31E+08	447	466	1.31E+08	0.135908	0.043052	0
chr6	1.31E+08	1.31E+08	461	588	1.31E+08	-0.15509	0.02594	0
chr6	1.31E+08	1.31E+08	455	589	1.31E+08	-0.17644	0.013582	0
chr6	1.31E+08	1.31E+08	430	547	1.31E+08	-0.15124	0.028959	0
chr6	1.32E+08	1.32E+08	507	528	1.32E+08	0.137411	0.041345	0
chr6	1.32E+08	1.32E+08	537	548	1.32E+08	0.166709	0.017652	0
chr6	1.32E+08	1.32E+08	361	463	1.32E+08	-0.16305	0.020522	0
chr6	1.32E+08	1.32E+08	468	599	1.32E+08	-0.16008	0.022415	0
chr6	1.32E+08	1.32E+08	409	521	1.32E+08	-0.15322	0.027371	0
chr6	1.33E+08	1.33E+08	529	665	1.33E+08	-0.13412	0.04617	0
chr6	1.33E+08	1.33E+08	556	578	1.33E+08	0.139978	0.038556	0
chr6	1.33E+08	1.34E+08	473	599	1.33E+08	-0.14475	0.034717	0
chr6	1.34E+08	1.34E+08	669	688	1.34E+08	0.155561	0.024749	0
chr6	1.34E+08	1.34E+08	580	603	1.34E+08	0.139858	0.038684	0
chr6	1.35E+08	1.35E+08	552	700	1.35E+08	-0.14672	0.032876	0
chr6	1.36E+08	1.36E+08	552	695	1.36E+08	-0.13638	0.043511	0
chr6	1.36E+08	1.37E+08	544	686	1.36E+08	-0.13864	0.040978	0
chr6	1.37E+08	1.37E+08	644	664	1.37E+08	0.15184	0.027596	0
chr6	1.37E+08	1.37E+08	547	702	1.37E+08	-0.16397	0.019966	0
chr6	1.38E+08	1.38E+08	551	698	1.38E+08	-0.14521	0.034281	0
chr6	1.39E+08	1.39E+08	482	613	1.39E+08	-0.15089	0.029248	0
chr6	1.39E+08	1.39E+08	583	610	1.39E+08	0.13065	0.049478	0
chr6	1.39E+08	1.39E+08	525	659	1.39E+08	-0.132	0.048792	0
chr6	1.39E+08	1.39E+08	517	662	1.39E+08	-0.1607	0.022008	0
chr6	1.4E+08	1.4E+08	490	623	1.4E+08	-0.15049	0.029584	0
chr6	1.4E+08	1.4E+08	554	575	1.4E+08	0.142287	0.036182	0
chr6	1.4E+08	1.41E+08	440	568	1.4E+08	-0.17242	0.01541	0
chr6	1.41E+08	1.41E+08	458	590	1.41E+08	-0.1694	0.016921	0
chr6	1.41E+08	1.41E+08	452	579	1.41E+08	-0.16128	0.021637	0
chr6	1.41E+08	1.41E+08	494	620	1.41E+08	-0.13179	0.04905	0

chr6	1.41E+08	1.41E+08	505	646	1.41E+08	-0.15929	0.022948	0
chr6	1.41E+08	1.41E+08	451	584	1.41E+08	-0.17688	0.013394	0
chr6	1.41E+08	1.41E+08	400	507	1.41E+08	-0.14602	0.033521	0
chr6	1.41E+08	1.41E+08	417	537	1.41E+08	-0.16891	0.01718	0
chr6	1.42E+08	1.42E+08	439	557	1.42E+08	-0.14749	0.032179	0
chr6	1.42E+08	1.42E+08	439	555	1.42E+08	-0.1423	0.037123	0
chr6	1.42E+08	1.43E+08	556	581	1.43E+08	0.13251	0.047122	0
chr6	1.43E+08	1.43E+08	541	555	1.43E+08	0.159104	0.02227	0
chr6	1.43E+08	1.43E+08	505	523	1.43E+08	0.145435	0.033138	0
chr6	1.43E+08	1.43E+08	456	594	1.43E+08	-0.18547	0.010145	0
chr6	1.44E+08	1.44E+08	660	673	1.44E+08	0.167823	0.01705	0
chr6	1.44E+08	1.44E+08	681	702	1.44E+08	0.152147	0.027352	0
chr6	1.44E+08	1.44E+08	518	662	1.44E+08	-0.15792	0.023891	0
chr6	1.44E+08	1.44E+08	594	612	1.44E+08	0.152894	0.026763	0
chr6	1.45E+08	1.45E+08	461	596	1.45E+08	-0.17458	0.014402	0
chr6	1.45E+08	1.45E+08	443	575	1.45E+08	-0.18029	0.012007	0
chr6	1.45E+08	1.45E+08	450	584	1.45E+08	-0.18008	0.012089	0
chr6	1.45E+08	1.45E+08	411	531	1.45E+08	-0.17361	0.014849	0
chr6	1.45E+08	1.45E+08	435	561	1.45E+08	-0.17102	0.016096	0
chr6	1.45E+08	1.45E+08	465	593	1.45E+08	-0.15484	0.026126	0
chr6	1.46E+08	1.46E+08	536	554	1.46E+08	0.14831	0.030546	0
chr6	1.47E+08	1.47E+08	450	584	1.47E+08	-0.18008	0.012089	0
chr6	1.47E+08	1.47E+08	438	556	1.47E+08	-0.14819	0.031558	0
chr6	1.47E+08	1.47E+08	486	631	1.47E+08	-0.18072	0.011842	0
chr6	1.5E+08	1.5E+08	583	733	1.5E+08	-0.13435	0.045893	0
chr6	1.5E+08	1.5E+08	601	625	1.5E+08	0.139472	0.039094	0
chr6	1.51E+08	1.51E+08	542	547	1.51E+08	0.182715	0.010541	0
chr6	1.51E+08	1.51E+08	615	620	1.51E+08	0.184281	0.010003	0
chr6	1.51E+08	1.51E+08	594	621	1.51E+08	0.131833	0.047969	0
chr6	1.52E+08	1.52E+08	469	606	1.52E+08	-0.17377	0.014776	0
chr6	1.52E+08	1.52E+08	493	640	1.52E+08	-0.18052	0.011919	0
chr6	1.53E+08	1.53E+08	446	570	1.53E+08	-0.15796	0.023864	0
chr6	1.54E+08	1.54E+08	471	591	1.54E+08	-0.13147	0.049464	0
chr6	1.55E+08	1.55E+08	583	591	1.55E+08	0.176301	0.013016	0
chr6	1.55E+08	1.55E+08	577	590	1.55E+08	0.163819	0.0193	0
chr6	1.55E+08	1.55E+08	486	626	1.55E+08	-0.16924	0.017006	0
chr6	1.56E+08	1.56E+08	459	594	1.56E+08	-0.17601	0.013769	0
chr6	1.57E+08	1.57E+08	425	552	1.57E+08	-0.18124	0.011644	0
chr6	1.57E+08	1.57E+08	506	640	1.57E+08	-0.14297	0.036454	0
chr6	1.57E+08	1.57E+08	631	651	1.57E+08	0.150945	0.028321	0
chr6	1.58E+08	1.58E+08	631	654	1.58E+08	0.144312	0.034198	0
chr6	1.59E+08	1.59E+08	549	574	1.59E+08	0.131718	0.048113	0
chr6	1.6E+08	1.6E+08	594	616	1.6E+08	0.143496	0.034987	0
chr6	1.6E+08	1.6E+08	597	622	1.6E+08	0.136779	0.042055	0
chr6	1.61E+08	1.61E+08	465	592	1.61E+08	-0.1524	0.028017	0
chr6	1.61E+08	1.61E+08	271	344	1.61E+08	-0.14815	0.031592	0
chr6	1.61E+08	1.61E+08	377	482	1.61E+08	-0.15851	0.023482	0

chr6	1.62E+08	1.63E+08	470	601	1.63E+08	-0.15874	0.02332	0
chr6	1.63E+08	1.63E+08	422	536	1.63E+08	-0.14903	0.030827	0
chr6	1.63E+08	1.63E+08	430	554	1.63E+08	-0.16959	0.016827	0
chr6	1.63E+08	1.63E+08	431	543	1.63E+08	-0.1373	0.042464	0
chr6	1.63E+08	1.63E+08	419	535	1.63E+08	-0.15663	0.024808	0
chr6	1.63E+08	1.64E+08	409	521	1.63E+08	-0.15322	0.027371	0
chr6	1.64E+08	1.64E+08	503	635	1.64E+08	-0.14024	0.03926	0
chr6	1.64E+08	1.64E+08	536	689	1.64E+08	-0.16631	0.018602	0
chr6	1.64E+08	1.64E+08	517	673	1.64E+08	-0.18448	0.010479	0
chr6	1.64E+08	1.65E+08	438	565	1.64E+08	-0.17136	0.01593	0
chr6	1.65E+08	1.65E+08	526	545	1.65E+08	0.14477	0.033763	0
chr6	1.65E+08	1.65E+08	414	524	1.65E+08	-0.14397	0.035469	0
chr6	1.65E+08	1.65E+08	465	585	1.65E+08	-0.13524	0.044836	0
chr6	1.65E+08	1.65E+08	479	499	1.65E+08	0.136949	0.041864	0
chr6	1.66E+08	1.66E+08	507	645	1.66E+08	-0.15135	0.028869	0
chr6	1.66E+08	1.66E+08	721	752	1.66E+08	0.13523	0.043841	0
chr6	1.66E+08	1.66E+08	740	773	1.66E+08	0.13302	0.046492	0
chr6	1.66E+08	1.66E+08	735	751	1.66E+08	0.164894	0.018672	0
chr6	1.66E+08	1.67E+08	709	736	1.66E+08	0.142043	0.036427	0
chr6	1.67E+08	1.67E+08	700	723	1.67E+08	0.149322	0.029675	0
chr6	1.67E+08	1.67E+08	603	622	1.67E+08	0.151206	0.028108	0
chr6	1.68E+08	1.68E+08	817	842	1.68E+08	0.152479	0.027089	0
chr6	1.68E+08	1.68E+08	673	700	1.68E+08	0.139215	0.039369	0
chr6	1.68E+08	1.68E+08	677	694	1.68E+08	0.160183	0.021558	0
chr6	1.68E+08	1.69E+08	662	679	1.68E+08	0.159383	0.022084	0
chr6	1.68E+08	1.69E+08	672	686	1.69E+08	0.166216	0.017925	0
chr6	1.69E+08	1.69E+08	595	608	1.69E+08	0.164781	0.018737	0
chr6	1.69E+08	1.69E+08	653	666	1.69E+08	0.167524	0.01721	0
chr6	1.69E+08	1.69E+08	528	664	1.69E+08	-0.13468	0.0455	0
chr6	1.69E+08	1.69E+08	579	594	1.69E+08	0.159063	0.022297	0
chr6	1.69E+08	1.69E+08	585	607	1.69E+08	0.142703	0.035767	0
chr6	1.7E+08	1.7E+08	624	636	1.7E+08	0.168482	0.016702	0
chr6	1.7E+08	1.7E+08	635	654	1.7E+08	0.153429	0.026348	0
chr6	1.7E+08	1.71E+08	651	672	1.71E+08	0.150159	0.02897	0
chr6	1.71E+08	1.71E+08	602	610	1.71E+08	0.176917	0.012758	0
chr6	1.71E+08	1.71E+08	582	597	1.71E+08	0.159251	0.022172	0
chr6	1.71E+08	1.71E+08	374	378	1.71E+08	0.180615	0.011302	0
chr6	1.71E+08	1.71E+08	73	92	1.71E+08	-0.13777	0.041933	0
chr7	50001	150000	1040	1032	1.00E+05	0.207104	0.004482	0
chr7	100001	200000	1196	1150	150000	0.252547	0.000727	0
chr7	150001	250000	972	949	2.00E+05	0.230511	0.001822	0
chr7	250001	350000	761	755	3.00E+05	0.207383	0.004436	0
chr7	300001	400000	1133	1093	350000	0.247817	0.000891	0
chr7	350001	450000	1108	1100	4.00E+05	0.206417	0.004597	0
chr7	450001	550000	1184	1189	5.00E+05	0.189883	0.00827	0
chr7	500001	600000	1198	1160	550000	0.242466	0.001117	0
chr7	550001	650000	1118	1112	6.00E+05	0.203726	0.005071	0



chr7	750001	850000	1025	965	8.00E+05	0.282986	0.000183	0
chr7	800001	900000	1063	992	850000	0.295693	9.86E-05	0
chr7	850001	950000	1159	1129	9.00E+05	0.233798	0.001596	0
chr7	900001	1000000	1184	1145	950000	0.244285	0.001035	0
chr7	950001	1050000	1168	1095	1.00E+06	0.289072	0.000136	0
chr7	1000001	1100000	1241	1133	1050000	0.327318	1.93E-05	0
chr7	1050001	1150000	1219	1184	1100000	0.237992	0.001344	0
chr7	1150001	1250000	933	886	1200000	0.270533	0.000326	0
chr7	1200001	1300000	1072	982	1250000	0.322473	2.50E-05	0
chr7	1250001	1350000	1178	1104	1300000	0.289562	0.000133	0
chr7	1300001	1400000	1220	1151	1350000	0.279956	0.000211	0
chr7	1450001	1550000	1331	1330	1500000	0.197047	0.006443	0
chr7	1500001	1600000	1304	1224	1550000	0.287303	0.000148	0
chr7	1550001	1650000	1207	1129	1600000	0.292343	0.000116	0
chr7	1900001	2000000	1134	1140	1950000	0.18835	0.008716	0
chr7	2200001	2300000	1168	1144	2250000	0.225916	0.002188	0
chr7	2250001	2350000	1086	1031	2300000	0.270943	0.00032	0
chr7	2300001	2400000	839	831	2350000	0.209785	0.004059	0
chr7	2350001	2450000	906	863	2400000	0.266114	0.000399	0
chr7	2400001	2500000	983	935	2450000	0.268188	0.000363	0
chr7	2650001	2750000	1210	1166	2700000	0.249402	0.000833	0
chr7	2700001	2800000	1058	1062	2750000	0.190519	0.008091	0
chr7	2850001	2950000	1003	1004	2900000	0.194525	0.00704	0
chr7	4200001	4300000	1076	1008	4250000	0.290145	0.000129	0
chr7	5300001	5400000	606	610	5350000	0.186472	0.009291	0
chr7	5400001	5500000	1041	1009	5450000	0.241007	0.001187	0
chr7	5450001	5550000	1026	1024	5500000	0.198778	0.006059	0
chr7	5500001	5600000	985	979	5550000	0.204778	0.004881	0
chr7	5550001	5650000	946	952	5600000	0.186842	0.009175	0
chr7	5600001	5700000	1003	994	5650000	0.208967	0.004184	0
chr7	5750001	5850000	730	724	5800000	0.20787	0.004357	0
chr7	5800001	5900000	611	601	5850000	0.21977	0.002781	0
chr7	5850001	5950000	415	410	5900000	0.21345	0.003539	0
chr7	5900001	6000000	155	140	5950000	0.342804	8.26E-06	0
chr7	5950001	6050000	194	134	6.00E+06	0.729787	3.06E-19	0
chr7	6000001	6100000	596	548	6050000	0.317099	3.32E-05	0
chr7	6050001	6150000	854	841	6100000	0.218093	0.002966	0
chr7	6100001	6200000	907	887	6150000	0.228131	0.002004	0
chr7	6400001	6500000	887	870	6450000	0.223882	0.00237	0
chr7	6450001	6550000	969	950	6500000	0.224532	0.00231	0
chr7	6900001	7000000	131	175	6950000	-0.22183	0.002806	0
chr7	8650001	8750000	640	851	8700000	-0.21512	0.003604	0
chr7	8700001	8800000	576	771	8750000	-0.2247	0.002516	0
chr7	8750001	8850000	552	759	8800000	-0.26347	0.000519	0
chr7	8800001	8900000	621	837	8850000	-0.23467	0.001709	0
chr7	9500001	9600000	571	761	9550000	-0.21844	0.003186	0
chr7	9550001	9650000	569	759	9600000	-0.21971	0.003039	0

chr7	9950001	10050000	586	770	1.00E+07	-0.19799	0.006646	0
chr7	10000001	10100000	556	745	10050000	-0.22619	0.002377	0
chr7	10350001	10450000	560	743	10400000	-0.21197	0.004045	0
chr7	11900001	12000000	624	843	11950000	-0.23802	0.001496	0
chr7	13300001	13400000	623	818	13350000	-0.19691	0.006901	0
chr7	13700001	13800000	599	807	13750000	-0.23405	0.001751	0
chr7	13750001	13850000	590	789	13800000	-0.22335	0.002649	0
chr7	14100001	14200000	636	841	14150000	-0.20712	0.004821	0
chr7	14400001	14500000	618	821	14450000	-0.21381	0.003782	0
chr7	14450001	14550000	599	802	14500000	-0.22508	0.00248	0
chr7	15500001	15600000	569	748	15550000	-0.19865	0.006498	0
chr7	16250001	16350000	593	778	16300000	-0.19578	0.007174	0
chr7	16350001	16450000	699	911	16400000	-0.1862	0.009904	0
chr7	19450001	19550000	627	821	19500000	-0.19295	0.007899	0
chr7	19850001	19950000	488	676	19900000	-0.27418	0.000324	0
chr7	20100001	20200000	604	816	20150000	-0.23806	0.001494	0
chr7	20300001	20400000	859	860	20350000	0.194285	0.0071	0
chr7	21350001	21450000	606	795	21400000	-0.19567	0.007199	0
chr7	25100001	25200000	885	880	25150000	0.204137	0.004996	0
chr7	27150001	27250000	1203	1151	27200000	0.259712	0.000532	0
chr7	28000001	28100000	923	911	28050000	0.214843	0.003357	0
chr7	28500001	28600000	750	979	28550000	-0.18846	0.009188	0
chr7	31800001	31900000	698	913	31850000	-0.19142	0.008318	0
chr7	32450001	32550000	816	791	32500000	0.240854	0.001194	0
chr7	32500001	32600000	788	778	32550000	0.214389	0.003416	0
chr7	32900001	33000000	923	918	32950000	0.2038	0.005058	0
chr7	33550001	33650000	644	895	33600000	-0.27886	0.000263	0
chr7	33600001	33700000	718	962	33650000	-0.22609	0.002386	0
chr7	37100001	37200000	605	797	37150000	-0.20168	0.005845	0
chr7	37800001	37900000	574	795	37850000	-0.27394	0.000328	0
chr7	37950001	38050000	620	814	3.80E+07	-0.1968	0.006926	0
chr7	41450001	41550000	781	1028	41500000	-0.20048	0.006095	0
chr7	41500001	41600000	730	999	41550000	-0.25663	0.000696	0
chr7	43600001	43700000	970	973	43650000	0.191508	0.00782	0
chr7	44000001	44100000	286	267	44050000	0.295138	0.000101	0
chr7	44050001	44150000	858	796	44100000	0.304172	6.46E-05	0
chr7	44100001	44200000	1190	1137	44150000	0.261692	0.000487	0
chr7	44700001	44800000	971	960	44750000	0.2124	0.003681	0
chr7	44750001	44850000	1023	918	44800000	0.352203	4.85E-06	0
chr7	44800001	44900000	949	908	44850000	0.259679	0.000532	0
chr7	44950001	45050000	1008	1008	4.50E+07	0.195963	0.006694	0
chr7	48500001	48600000	641	840	48550000	-0.1941	0.007596	0
chr7	48650001	48750000	637	833	48700000	-0.19106	0.008421	0
chr7	48900001	49000000	455	635	48950000	-0.28493	0.000199	0
chr7	48950001	49050000	508	672	4.90E+07	-0.20767	0.004726	0
chr7	49350001	49450000	637	851	49400000	-0.2219	0.002798	0
chr7	49650001	49750000	567	743	49700000	-0.19405	0.00761	0

chr7	51900001	52000000	515	699	51950000	-0.24476	0.00114	0
chr7	52200001	52300000	601	787	52250000	-0.19304	0.007877	0
chr7	52400001	52500000	560	753	52450000	-0.23126	0.001954	0
chr7	53100001	53200000	590	773	53150000	-0.19379	0.007677	0
chr7	53150001	53250000	382	516	53200000	-0.23784	0.001507	0
chr7	53550001	53650000	580	760	53600000	-0.19398	0.007627	0
chr7	54350001	54450000	540	704	54400000	-0.18665	0.009755	0
chr7	56550001	56650000	636	841	56600000	-0.20712	0.004821	0
chr7	56900001	57000000	15	22	56950000	-0.35658	5.30E-06	0
chr7	56950001	57050000	15	10	5.70E+07	0.780926	1.60E-21	0
chr7	57000001	57100000	14	6	57050000	1.418355	2.22E-54	0
chr7	57050001	57150000	8	4	57100000	1.195963	1.84E-42	0
chr7	57150001	57250000	190	191	57200000	0.18839	0.008704	0
chr7	57800001	57900000	95	129	57850000	-0.24541	0.00111	0
chr7	57850001	57950000	109	161	57900000	-0.36677	3.00E-06	0
chr7	58050001	58150000	16	28	58100000	-0.61139	1.08E-13	0
chr7	61100001	61200000	9	9	61150000	0.195963	0.006694	0
chr7	61150001	61250000	15	11	61200000	0.643422	1.28E-15	0
chr7	61200001	61300000	15	12	61250000	0.517891	6.05E-11	0
chr7	61250001	61350000	4	2	61300000	1.195963	1.84E-42	0
chr7	61300001	61400000	1	1	61350000	0.195963	0.006694	0
chr7	61350001	61450000	2	3	61400000	-0.389	8.31E-07	0
chr7	61400001	61500000	1	3	61450000	-1.389	6.26E-48	0
chr7	62300001	62400000	422	563	62350000	-0.21993	0.003014	0
chr7	62350001	62450000	406	540	62400000	-0.21552	0.003552	0
chr7	62600001	62700000	289	414	62650000	-0.3226	3.21E-05	0
chr7	62650001	62750000	163	247	62700000	-0.40368	3.45E-07	0
chr7	62750001	62850000	96	138	62800000	-0.3276	2.48E-05	0
chr7	62800001	62900000	93	135	62850000	-0.34169	1.19E-05	0
chr7	62850001	62950000	17	27	62900000	-0.47146	4.30E-09	0
chr7	62900001	63000000	27	59	62950000	-0.93179	9.72E-27	0
chr7	62950001	63050000	21	46	6.30E+07	-0.93528	6.80E-27	0
chr7	63050001	63150000	8	14	63100000	-0.61139	1.08E-13	0
chr7	63700001	63800000	448	589	63750000	-0.19881	0.006462	0
chr7	63850001	63950000	463	622	63900000	-0.22994	0.002057	0
chr7	63900001	64000000	530	708	63950000	-0.22179	0.00281	0
chr7	64400001	64500000	586	586	64450000	0.195963	0.006694	0
chr7	64450001	64550000	320	297	64500000	0.303572	6.66E-05	0
chr7	64550001	64650000	49	64	64600000	-0.18933	0.008925	0
chr7	64950001	65050000	91	90	6.50E+07	0.211905	0.00375	0
chr7	65950001	66050000	652	587	6.60E+07	0.347474	6.35E-06	0
chr7	66000001	66100000	715	646	66050000	0.342372	8.46E-06	0
chr7	66050001	66150000	740	694	66100000	0.288553	0.00014	0
chr7	66750001	66850000	444	445	66800000	0.192717	0.007499	0
chr7	69700001	69800000	684	893	69750000	-0.1887	0.009114	0
chr7	71100001	71200000	762	761	71150000	0.197858	0.00626	0
chr7	71150001	71250000	766	762	71200000	0.203516	0.00511	0

chr7	71650001	71750000	773	770	71700000	0.201573	0.005482	0
chr7	71950001	72050000	361	475	7.20E+07	-0.19997	0.006206	0
chr7	72000001	72100000	179	240	72050000	-0.22711	0.002294	0
chr7	72400001	72500000	39	30	72450000	0.574475	5.87E-13	0
chr7	72450001	72550000	4	8	72500000	-0.80404	3.29E-21	0
chr7	72500001	72600000	2	2	72550000	0.195963	0.006694	0
chr7	72550001	72650000	4	2	72600000	1.195963	1.84E-42	0
chr7	72600001	72700000	29	25	72650000	0.410088	1.41E-07	0
chr7	72650001	72750000	259	242	72700000	0.293908	0.000108	0
chr7	72900001	73000000	931	929	72950000	0.199066	0.005997	0
chr7	72950001	73050000	1043	993	7.30E+07	0.266837	0.000386	0
chr7	73150001	73250000	840	834	73200000	0.206305	0.004616	0
chr7	73200001	73300000	961	883	73250000	0.318086	3.15E-05	0
chr7	73550001	73650000	865	862	73600000	0.200975	0.005601	0
chr7	73600001	73700000	918	861	73650000	0.288444	0.000141	0
chr7	73650001	73750000	934	928	73700000	0.205261	0.004795	0
chr7	73800001	73900000	915	890	73850000	0.235929	0.001463	0
chr7	73850001	73950000	1020	1004	73900000	0.218773	0.00289	0
chr7	74150001	74250000	16	24	74200000	-0.389	8.31E-07	0
chr7	74300001	74400000	52	52	74350000	0.195963	0.006694	0
chr7	74350001	74450000	22	20	74400000	0.333467	1.38E-05	0
chr7	74400001	74500000	83	72	74450000	0.401077	2.52E-07	0
chr7	74450001	74550000	91	78	74500000	0.418355	8.19E-08	0
chr7	74500001	74600000	10	10	74550000	0.195963	0.006694	0
chr7	74950001	75050000	13	12	7.50E+07	0.31144	4.46E-05	0
chr7	75000001	75100000	107	104	75050000	0.23699	0.001401	0
chr7	75050001	75150000	126	125	75100000	0.207459	0.004424	0
chr7	75900001	76000000	994	987	75950000	0.206159	0.00464	0
chr7	75950001	76050000	962	919	7.60E+07	0.261935	0.000482	0
chr7	76000001	76100000	626	582	76050000	0.301107	7.53E-05	0
chr7	76050001	76150000	258	231	76100000	0.355441	4.03E-06	0
chr7	76100001	76200000	124	112	76150000	0.342804	8.26E-06	0
chr7	76200001	76300000	85	69	76250000	0.49683	3.08E-10	0
chr7	76250001	76350000	75	70	76300000	0.295499	9.96E-05	0
chr7	76400001	76500000	71	118	76450000	-0.53693	3.86E-11	0
chr7	76450001	76550000	63	114	76500000	-0.65965	1.85E-15	0
chr7	76500001	76600000	59	87	76550000	-0.36434	3.44E-06	0
chr7	76550001	76650000	106	106	76600000	0.195963	0.006694	0
chr7	76600001	76700000	90	88	76650000	0.228385	0.001984	0
chr7	78200001	78300000	601	809	78250000	-0.23281	0.001839	0
chr7	81300001	81400000	648	873	81350000	-0.23402	0.001753	0
chr7	81350001	81450000	629	860	81400000	-0.25531	0.000736	0
chr7	81400001	81500000	603	800	81450000	-0.21188	0.004059	0
chr7	81450001	81550000	561	764	81500000	-0.24961	0.000934	0
chr7	81500001	81600000	585	774	81550000	-0.20793	0.004682	0
chr7	82550001	82650000	641	841	82600000	-0.19582	0.007163	0
chr7	83050001	83150000	526	694	83100000	-0.20391	0.005404	0

chr7	83450001	83550000	629	828	83500000	-0.20061	0.006069	0
chr7	83650001	83750000	592	784	83700000	-0.20929	0.004458	0
chr7	83700001	83800000	632	843	83750000	-0.21965	0.003046	0
chr7	85650001	85750000	586	810	85700000	-0.27106	0.000373	0
chr7	85800001	85900000	524	704	85850000	-0.23005	0.002048	0
chr7	85850001	85950000	580	766	85900000	-0.20533	0.005139	0
chr7	86250001	86350000	685	932	86300000	-0.24826	0.000987	0
chr7	87600001	87700000	692	907	87650000	-0.19437	0.007528	0
chr7	87650001	87750000	662	968	87700000	-0.35221	6.73E-06	0
chr7	87700001	87800000	735	989	87750000	-0.23226	0.001879	0
chr7	89100001	89200000	581	769	89150000	-0.20848	0.00459	0
chr7	90300001	90400000	635	861	90350000	-0.24329	0.00121	0
chr7	90500001	90600000	643	846	90550000	-0.19988	0.006226	0
chr7	90550001	90650000	638	861	90600000	-0.23649	0.00159	0
chr7	90700001	90800000	679	888	90750000	-0.19119	0.008385	0
chr7	90750001	90850000	619	808	90800000	-0.18845	0.009189	0
chr7	91250001	91350000	657	867	91300000	-0.20418	0.005353	0
chr7	91300001	91400000	595	776	91350000	-0.1872	0.009579	0
chr7	91400001	91500000	659	887	91450000	-0.23269	0.001847	0
chr7	94400001	94500000	585	774	94450000	-0.20793	0.004682	0
chr7	97150001	97250000	540	754	97200000	-0.28564	0.000193	0
chr7	97500001	97600000	157	151	97550000	0.252179	0.000739	0
chr7	97550001	97650000	302	283	97600000	0.28971	0.000132	0
chr7	97600001	97700000	573	539	97650000	0.284213	0.000172	0
chr7	99000001	99100000	986	930	99050000	0.28032	0.000207	0
chr7	99050001	99150000	892	886	99100000	0.2057	0.004719	0
chr7	99600001	99700000	1005	997	99650000	0.207493	0.004418	0
chr7	99650001	99750000	1014	964	99700000	0.268916	0.000352	0
chr7	99700001	99800000	903	899	99750000	0.202368	0.005327	0
chr7	99750001	99850000	742	737	99800000	0.205718	0.004716	0
chr7	1E+08	1E+08	967	952	1E+08	0.218517	0.002918	0
chr7	1E+08	1E+08	1005	999	1E+08	0.204602	0.004912	0
chr7	1E+08	1E+08	905	815	1E+08	0.347081	6.49E-06	0
chr7	1E+08	1.01E+08	1035	879	1E+08	0.431659	3.36E-08	0
chr7	1E+08	1.01E+08	946	897	1.01E+08	0.272695	0.000296	0
chr7	1.01E+08	1.01E+08	920	914	1.01E+08	0.205403	0.004771	0
chr7	1.01E+08	1.01E+08	1015	923	1.01E+08	0.33304	1.42E-05	0
chr7	1.01E+08	1.01E+08	1084	993	1.01E+08	0.322462	2.50E-05	0
chr7	1.01E+08	1.01E+08	732	733	1.01E+08	0.193993	0.007173	0
chr7	1.02E+08	1.02E+08	1050	1019	1.02E+08	0.239198	0.001279	0
chr7	1.02E+08	1.02E+08	946	938	1.02E+08	0.208215	0.004302	0
chr7	1.02E+08	1.02E+08	767	771	1.02E+08	0.188459	0.008684	0
chr7	1.02E+08	1.02E+08	787	780	1.02E+08	0.208853	0.004202	0
chr7	1.02E+08	1.02E+08	715	663	1.02E+08	0.304897	6.22E-05	0
chr7	1.02E+08	1.02E+08	229	174	1.02E+08	0.592223	1.27E-13	0
chr7	1.02E+08	1.02E+08	40	34	1.02E+08	0.430428	3.65E-08	0
chr7	1.02E+08	1.02E+08	31	29	1.02E+08	0.292178	0.000117	0

chr7	1.03E+08	1.03E+08	267	257	1.03E+08	0.251034	0.000776	0
chr7	1.03E+08	1.03E+08	659	660	1.03E+08	0.193775	0.007227	0
chr7	1.08E+08	1.08E+08	649	856	1.08E+08	-0.20343	0.005496	0
chr7	1.09E+08	1.09E+08	589	805	1.09E+08	-0.25476	0.000753	0
chr7	1.09E+08	1.09E+08	578	787	1.09E+08	-0.24933	0.000945	0
chr7	1.09E+08	1.09E+08	608	808	1.09E+08	-0.21432	0.003712	0
chr7	1.09E+08	1.09E+08	581	760	1.09E+08	-0.1915	0.008297	0
chr7	1.09E+08	1.09E+08	563	749	1.09E+08	-0.21587	0.003506	0
chr7	1.1E+08	1.1E+08	522	697	1.1E+08	-0.22115	0.002879	0
chr7	1.1E+08	1.1E+08	584	813	1.1E+08	-0.28132	0.000235	0
chr7	1.1E+08	1.1E+08	601	813	1.1E+08	-0.23993	0.001386	0
chr7	1.1E+08	1.1E+08	565	779	1.1E+08	-0.26741	0.000437	0
chr7	1.11E+08	1.11E+08	734	978	1.11E+08	-0.21809	0.003228	0
chr7	1.13E+08	1.13E+08	640	857	1.13E+08	-0.22526	0.002463	0
chr7	1.13E+08	1.13E+08	624	863	1.13E+08	-0.27185	0.00036	0
chr7	1.14E+08	1.14E+08	619	860	1.14E+08	-0.27843	0.000268	0
chr7	1.14E+08	1.14E+08	665	915	1.14E+08	-0.26445	0.000498	0
chr7	1.15E+08	1.15E+08	649	872	1.15E+08	-0.23015	0.00204	0
chr7	1.18E+08	1.18E+08	596	778	1.18E+08	-0.18849	0.009176	0
chr7	1.18E+08	1.18E+08	594	776	1.18E+08	-0.18963	0.008835	0
chr7	1.18E+08	1.18E+08	611	812	1.18E+08	-0.21434	0.003709	0
chr7	1.19E+08	1.19E+08	527	710	1.19E+08	-0.23405	0.001751	0
chr7	1.2E+08	1.2E+08	546	733	1.2E+08	-0.22895	0.002137	0
chr7	1.2E+08	1.2E+08	576	778	1.2E+08	-0.23774	0.001513	0
chr7	1.2E+08	1.2E+08	559	754	1.2E+08	-0.23575	0.001637	0
chr7	1.2E+08	1.2E+08	612	808	1.2E+08	-0.20486	0.005225	0
chr7	1.2E+08	1.2E+08	675	882	1.2E+08	-0.18993	0.008747	0
chr7	1.22E+08	1.22E+08	627	820	1.22E+08	-0.1912	0.008382	0
chr7	1.22E+08	1.22E+08	638	832	1.22E+08	-0.18706	0.009623	0
chr7	1.22E+08	1.22E+08	504	690	1.22E+08	-0.25721	0.000679	0
chr7	1.22E+08	1.23E+08	562	753	1.23E+08	-0.22612	0.002384	0
chr7	1.23E+08	1.23E+08	622	825	1.23E+08	-0.21152	0.004113	0
chr7	1.24E+08	1.24E+08	663	866	1.24E+08	-0.1894	0.008905	0
chr7	1.25E+08	1.25E+08	605	808	1.25E+08	-0.22146	0.002846	0
chr7	1.25E+08	1.25E+08	598	814	1.25E+08	-0.24892	0.000961	0
chr7	1.25E+08	1.25E+08	630	830	1.25E+08	-0.2018	0.005821	0
chr7	1.26E+08	1.26E+08	607	793	1.26E+08	-0.18966	0.008826	0
chr7	1.26E+08	1.26E+08	597	782	1.26E+08	-0.19347	0.00776	0
chr7	1.27E+08	1.27E+08	670	895	1.27E+08	-0.22176	0.002813	0
chr7	1.28E+08	1.28E+08	965	968	1.28E+08	0.191485	0.007826	0
chr7	1.28E+08	1.28E+08	1121	1026	1.28E+08	0.323719	2.34E-05	0
chr7	1.28E+08	1.28E+08	1052	1057	1.28E+08	0.189122	0.008489	0
chr7	1.29E+08	1.29E+08	1144	1103	1.29E+08	0.248617	0.000861	0
chr7	1.29E+08	1.29E+08	906	909	1.29E+08	0.191194	0.007905	0
chr7	1.29E+08	1.3E+08	1105	1076	1.29E+08	0.234331	0.001562	0
chr7	1.3E+08	1.3E+08	38	51	1.3E+08	-0.22853	0.002172	0
chr7	1.3E+08	1.3E+08	302	286	1.3E+08	0.274496	0.000272	0

chr7	1.31E+08	1.31E+08	1007	994	1.31E+08	0.214709	0.003374	0
chr7	1.31E+08	1.31E+08	1104	1046	1.31E+08	0.27382	0.000281	0
chr7	1.32E+08	1.32E+08	833	1087	1.32E+08	-0.188	0.009329	0
chr7	1.32E+08	1.32E+08	797	1049	1.32E+08	-0.2004	0.006113	0
chr7	1.34E+08	1.34E+08	775	1012	1.34E+08	-0.18898	0.00903	0
chr7	1.37E+08	1.37E+08	597	799	1.37E+08	-0.2245	0.002535	0
chr7	1.37E+08	1.38E+08	721	974	1.37E+08	-0.23796	0.0015	0
chr7	1.39E+08	1.39E+08	896	869	1.39E+08	0.240106	0.001232	0
chr7	1.4E+08	1.4E+08	767	753	1.4E+08	0.22254	0.002498	0
chr7	1.42E+08	1.42E+08	628	820	1.42E+08	-0.1889	0.009054	0
chr7	1.42E+08	1.42E+08	485	643	1.42E+08	-0.21087	0.004211	0
chr7	1.43E+08	1.43E+08	485	646	1.43E+08	-0.21759	0.00329	0
chr7	1.43E+08	1.43E+08	135	194	1.43E+08	-0.32713	2.54E-05	0
chr7	1.43E+08	1.43E+08	7	6	1.43E+08	0.418355	8.19E-08	0
chr7	1.43E+08	1.43E+08	4	3	1.43E+08	0.611001	2.44E-14	0
chr7	1.43E+08	1.43E+08	82	130	1.43E+08	-0.46885	5.14E-09	0
chr7	1.43E+08	1.44E+08	88	136	1.43E+08	-0.43207	5.86E-08	0
chr7	1.43E+08	1.44E+08	60	60	1.44E+08	0.195963	0.006694	0
chr7	1.44E+08	1.44E+08	683	907	1.44E+08	-0.21325	0.00386	0
chr7	1.44E+08	1.44E+08	632	847	1.44E+08	-0.22647	0.002351	0
chr7	1.44E+08	1.44E+08	627	835	1.44E+08	-0.21735	0.003319	0
chr7	1.44E+08	1.44E+08	41	37	1.44E+08	0.344062	7.69E-06	0
chr7	1.45E+08	1.45E+08	554	724	1.45E+08	-0.19014	0.008685	0
chr7	1.45E+08	1.46E+08	594	777	1.46E+08	-0.19149	0.0083	0
chr7	1.46E+08	1.46E+08	506	671	1.46E+08	-0.21121	0.004159	0
chr7	1.46E+08	1.46E+08	579	792	1.46E+08	-0.25597	0.000716	0
chr7	1.46E+08	1.46E+08	551	753	1.46E+08	-0.25463	0.000757	0
chr7	1.47E+08	1.47E+08	612	800	1.47E+08	-0.19051	0.008579	0
chr7	1.47E+08	1.47E+08	590	771	1.47E+08	-0.19005	0.008711	0
chr7	1.48E+08	1.48E+08	645	852	1.48E+08	-0.20559	0.005091	0
chr7	1.49E+08	1.49E+08	988	989	1.49E+08	0.194504	0.007046	0
chr7	1.49E+08	1.5E+08	1195	1190	1.49E+08	0.202012	0.005396	0
chr7	1.5E+08	1.5E+08	65	89	1.5E+08	-0.2574	0.000673	0
chr7	1.51E+08	1.51E+08	1259	1202	1.51E+08	0.262804	0.000463	0
chr7	1.51E+08	1.51E+08	1297	1217	1.51E+08	0.287812	0.000145	0
chr7	1.51E+08	1.51E+08	1287	1280	1.51E+08	0.203831	0.005052	0
chr7	1.51E+08	1.51E+08	1285	1260	1.51E+08	0.224308	0.002331	0
chr7	1.51E+08	1.51E+08	1224	1232	1.51E+08	0.186564	0.009262	0
chr7	1.51E+08	1.51E+08	1143	1138	1.51E+08	0.202288	0.005342	0
chr7	1.51E+08	1.51E+08	1133	1124	1.51E+08	0.207469	0.004422	0
chr7	1.51E+08	1.51E+08	1185	1166	1.51E+08	0.219282	0.002834	0
chr7	1.53E+08	1.53E+08	596	781	1.53E+08	-0.19405	0.007611	0
chr7	1.53E+08	1.54E+08	97	131	1.53E+08	-0.23755	0.001525	0
chr7	1.54E+08	1.54E+08	63	96	1.54E+08	-0.41172	2.11E-07	0
chr7	1.54E+08	1.54E+08	65	110	1.54E+08	-0.56303	5.23E-12	0
chr7	1.56E+08	1.56E+08	1074	1048	1.56E+08	0.231318	0.001764	0
chr7	1.57E+08	1.57E+08	928	927	1.57E+08	0.197519	0.006336	0

chr7	1.58E+08	1.58E+08	1055	1013	1.58E+08	0.254572	0.000666	0
chr7	1.58E+08	1.58E+08	988	975	1.58E+08	0.215072	0.003328	0
chr7	1.58E+08	1.58E+08	994	981	1.58E+08	0.214956	0.003343	0
chr7	1.59E+08	1.59E+08	201	191	1.59E+08	0.269586	0.000341	0
chr7	1	100000	557	564	50000	0.177945	0.012338	0
chr7	400001	500000	1097	1110	450000	0.178967	0.011932	0
chr7	600001	700000	1040	1073	650000	0.150896	0.028361	0
chr7	1100001	1200000	1017	1044	1150000	0.158161	0.022908	0
chr7	1350001	1450000	1195	1222	1400000	0.163729	0.019353	0
chr7	1600001	1700000	1103	1147	1650000	0.13953	0.039031	0
chr7	1950001	2050000	1198	1226	2.00E+06	0.162632	0.020014	0
chr7	2000001	2100000	1154	1189	2050000	0.152858	0.026792	0
chr7	2150001	2250000	1138	1154	2200000	0.17582	0.01322	0
chr7	2450001	2550000	1082	1113	2500000	0.15521	0.025006	0
chr7	2500001	2600000	1130	1141	2550000	0.181987	0.010799	0
chr7	2750001	2850000	1056	1095	2800000	0.143642	0.034845	0
chr7	2800001	2900000	1026	1057	2850000	0.153018	0.026666	0
chr7	3100001	3200000	803	1010	3150000	-0.13492	0.045217	0
chr7	4150001	4250000	1081	1090	4200000	0.184001	0.010097	0
chr7	4250001	4350000	903	935	4300000	0.145723	0.032871	0
chr7	4800001	4900000	1044	1086	4850000	0.139061	0.039535	0
chr7	4850001	4950000	978	1021	4900000	0.133887	0.045437	0
chr7	5050001	5150000	636	650	5100000	0.16455	0.018871	0
chr7	5100001	5200000	714	737	5150000	0.150222	0.028917	0
chr7	5250001	5350000	647	653	5300000	0.182646	0.010565	0
chr7	5350001	5450000	860	872	5400000	0.175972	0.013156	0
chr7	6250001	6350000	897	932	6300000	0.140741	0.037758	0
chr7	6300001	6400000	761	770	6350000	0.179001	0.011919	0
chr7	6350001	6450000	782	789	6400000	0.183106	0.010404	0
chr7	6500001	6600000	990	1006	6550000	0.172833	0.014553	0
chr7	6650001	6750000	1009	1034	6700000	0.160653	0.021254	0
chr7	6700001	6800000	606	634	6750000	0.130798	0.049286	0
chr7	6800001	6900000	76	78	6850000	0.158488	0.022685	0
chr7	8500001	8600000	693	875	8550000	-0.14046	0.039018	0
chr7	8850001	8950000	605	780	8900000	-0.17058	0.01632	0
chr7	8900001	9000000	615	794	8950000	-0.17259	0.015331	0
chr7	9150001	9250000	581	730	9200000	-0.1334	0.047055	0
chr7	9200001	9300000	568	734	9250000	-0.17393	0.014702	0
chr7	9450001	9550000	507	648	9500000	-0.15805	0.023801	0
chr7	9800001	9900000	574	742	9850000	-0.17441	0.014483	0
chr7	9850001	9950000	583	733	9900000	-0.13435	0.045893	0
chr7	10050001	10150000	601	758	10100000	-0.13887	0.040726	0
chr7	10150001	10250000	578	746	10200000	-0.17214	0.015545	0
chr7	10300001	10400000	587	752	10350000	-0.16141	0.021552	0
chr7	10700001	10800000	545	702	10750000	-0.16925	0.017001	0
chr7	11300001	11400000	664	861	11350000	-0.17887	0.01257	0
chr7	11850001	11950000	666	853	11900000	-0.16106	0.021777	0



chr7	12000001	12100000	668	842	12050000	-0.13801	0.041672	0
chr7	12050001	12150000	703	915	12100000	-0.18428	0.010546	0
chr7	12100001	12200000	708	914	12150000	-0.17248	0.015382	0
chr7	12700001	12800000	828	863	12750000	0.136233	0.042678	0
chr7	13600001	13700000	603	760	13650000	-0.13788	0.041817	0
chr7	13650001	13750000	580	741	13700000	-0.15746	0.024213	0
chr7	13800001	13900000	597	763	13850000	-0.15799	0.02384	0
chr7	14000001	14100000	654	833	14050000	-0.15306	0.027494	0
chr7	14050001	14150000	613	783	14100000	-0.15716	0.024423	0
chr7	14150001	14250000	671	845	14200000	-0.13668	0.043174	0
chr7	14500001	14600000	632	794	14550000	-0.13325	0.047232	0
chr7	14900001	15000000	661	838	14950000	-0.14634	0.03323	0
chr7	15150001	15250000	641	831	15200000	-0.17856	0.012694	0
chr7	15400001	15500000	624	789	15450000	-0.14252	0.036909	0
chr7	15450001	15550000	653	826	15500000	-0.1431	0.03633	0
chr7	15600001	15700000	693	897	15650000	-0.17629	0.013646	0
chr7	15650001	15750000	683	880	15700000	-0.16965	0.016791	0
chr7	15750001	15850000	658	846	15800000	-0.16661	0.018434	0
chr7	15800001	15900000	639	814	15850000	-0.15325	0.027347	0
chr7	16300001	16400000	707	906	16350000	-0.16184	0.021279	0
chr7	16650001	16750000	870	895	16700000	0.155091	0.025094	0
chr7	17750001	17850000	726	928	17800000	-0.15819	0.023699	0
chr7	17800001	17900000	754	966	17850000	-0.1615	0.021497	0
chr7	19800001	19900000	602	780	19850000	-0.17775	0.013028	0
chr7	20050001	20150000	593	748	20100000	-0.13904	0.040537	0
chr7	20150001	20250000	659	841	20200000	-0.15586	0.025362	0
chr7	20200001	20300000	704	895	20250000	-0.15035	0.0297	0
chr7	20350001	20450000	904	937	20400000	0.144237	0.034271	0
chr7	20950001	21050000	619	790	2.10E+07	-0.15595	0.025299	0
chr7	21200001	21300000	594	756	21250000	-0.15196	0.028373	0
chr7	21250001	21350000	610	791	21300000	-0.17891	0.012555	0
chr7	21300001	21400000	591	769	21350000	-0.18386	0.010693	0
chr7	22800001	22900000	872	910	22850000	0.134425	0.044792	0
chr7	23050001	23150000	911	930	23100000	0.166183	0.017943	0
chr7	23300001	23400000	953	963	23350000	0.180903	0.011194	0
chr7	23350001	23450000	955	991	23400000	0.142579	0.03589	0
chr7	23500001	23600000	1171	1196	23550000	0.165487	0.018334	0
chr7	24050001	24150000	752	944	24100000	-0.13209	0.048675	0
chr7	24100001	24200000	721	928	24150000	-0.16816	0.017579	0
chr7	24150001	24250000	805	1028	24200000	-0.15682	0.02467	0
chr7	24300001	24400000	712	910	24350000	-0.15803	0.023814	0
chr7	24350001	24450000	738	930	24400000	-0.13765	0.042076	0
chr7	24400001	24500000	758	957	24450000	-0.14036	0.039131	0
chr7	24700001	24800000	951	989	24750000	0.139438	0.03913	0
chr7	24850001	24950000	1040	1056	24900000	0.173937	0.014048	0
chr7	25050001	25150000	803	837	25100000	0.136135	0.04279	0
chr7	25450001	25550000	781	988	25500000	-0.14323	0.036202	0

chr7	25500001	25600000	843	1093	25550000	-0.17873	0.012627	0
chr7	25550001	25650000	773	1002	25600000	-0.17838	0.012768	0
chr7	26150001	26250000	836	855	26200000	0.163542	0.019465	0
chr7	27200001	27300000	1123	1153	27250000	0.157928	0.023068	0
chr7	28050001	28150000	1016	1030	28100000	0.176219	0.013051	0
chr7	28250001	28350000	760	955	28300000	-0.13354	0.046881	0
chr7	28550001	28650000	751	949	28600000	-0.14163	0.037806	0
chr7	29150001	29250000	712	926	29200000	-0.18317	0.010937	0
chr7	29200001	29300000	694	872	29250000	-0.13343	0.047014	0
chr7	29500001	29600000	705	890	29550000	-0.14022	0.039277	0
chr7	30200001	30300000	901	1148	30250000	-0.15356	0.027104	0
chr7	30250001	30350000	785	1001	30300000	-0.15471	0.02622	0
chr7	30400001	30500000	789	1007	30450000	-0.156	0.02526	0
chr7	30500001	30600000	859	881	30550000	0.159479	0.02202	0
chr7	30550001	30650000	838	869	30600000	0.143557	0.034927	0
chr7	30600001	30700000	876	907	30650000	0.145791	0.032807	0
chr7	31750001	31850000	709	891	31800000	-0.13368	0.046712	0
chr7	31850001	31950000	732	919	31900000	-0.13226	0.048465	0
chr7	32550001	32650000	761	772	32600000	0.175259	0.013463	0
chr7	32850001	32950000	612	632	32900000	0.14957	0.029465	0
chr7	33500001	33600000	675	877	33550000	-0.18173	0.011463	0
chr7	33650001	33750000	764	960	33700000	-0.1335	0.046929	0
chr7	34050001	34150000	799	1020	34100000	-0.15634	0.025015	0
chr7	34100001	34200000	792	996	34150000	-0.13468	0.0455	0
chr7	35300001	35400000	770	974	35350000	-0.1431	0.036326	0
chr7	35350001	35450000	772	973	35400000	-0.13788	0.04182	0
chr7	35750001	35850000	786	818	35800000	0.138392	0.040261	0
chr7	36000001	36100000	794	831	36050000	0.130254	0.049991	0
chr7	36400001	36500000	905	944	36450000	0.135094	0.044	0
chr7	36550001	36650000	757	986	36600000	-0.18533	0.01019	0
chr7	36650001	36750000	790	993	36700000	-0.13398	0.046346	0
chr7	37300001	37400000	655	822	37350000	-0.13168	0.049194	0
chr7	37750001	37850000	615	785	37800000	-0.15614	0.025158	0
chr7	38000001	38100000	644	835	38050000	-0.17875	0.012616	0
chr7	38600001	38700000	676	852	38650000	-0.13787	0.04183	0
chr7	40550001	40650000	783	1005	40600000	-0.16415	0.019857	0
chr7	40600001	40700000	752	959	40650000	-0.15484	0.026129	0
chr7	40750001	40850000	804	1023	40800000	-0.15158	0.028685	0
chr7	41550001	41650000	762	968	41600000	-0.14925	0.030632	0
chr7	41700001	41800000	851	1089	41750000	-0.15981	0.022598	0
chr7	41750001	41850000	859	1090	41800000	-0.14764	0.032052	0
chr7	42400001	42500000	725	911	42450000	-0.13351	0.046919	0
chr7	42650001	42750000	782	998	42700000	-0.15591	0.02533	0
chr7	43350001	43450000	752	975	43400000	-0.17871	0.012635	0
chr7	43750001	43850000	898	906	43800000	0.183167	0.010383	0
chr7	44150001	44250000	1080	1119	44200000	0.144784	0.033749	0
chr7	44350001	44450000	1114	1155	44400000	0.143819	0.034673	0

chr7	44600001	44700000	1009	1027	44650000	0.170453	0.015697	0
chr7	44850001	44950000	879	895	44900000	0.169939	0.015954	0
chr7	45000001	45100000	990	1028	45050000	0.141623	0.036852	0
chr7	45100001	45200000	1171	1198	45150000	0.163076	0.019744	0
chr7	45800001	45900000	117	118	45850000	0.183685	0.010205	0
chr7	47350001	47450000	1064	1094	47400000	0.155848	0.024539	0
chr7	47400001	47500000	1060	1079	47450000	0.170332	0.015757	0
chr7	47600001	47700000	976	1013	47650000	0.142282	0.036187	0
chr7	48600001	48700000	675	865	48650000	-0.16185	0.021272	0
chr7	49250001	49350000	634	798	49300000	-0.13594	0.044018	0
chr7	49300001	49400000	627	816	49350000	-0.18414	0.010596	0
chr7	49400001	49500000	673	865	49450000	-0.16613	0.018702	0
chr7	49550001	49650000	618	796	49600000	-0.1692	0.017029	0
chr7	49700001	49800000	595	755	49750000	-0.14762	0.032062	0
chr7	49850001	49950000	661	847	49900000	-0.16175	0.021336	0
chr7	50100001	50200000	660	836	50150000	-0.14507	0.034411	0
chr7	50300001	50400000	578	726	50350000	-0.13294	0.047619	0
chr7	50500001	50600000	949	968	50550000	0.167364	0.017296	0
chr7	50650001	50750000	917	1163	50700000	-0.14689	0.03272	0
chr7	51500001	51600000	733	928	51550000	-0.14435	0.035105	0
chr7	51850001	51950000	585	754	51900000	-0.17016	0.016529	0
chr7	52050001	52150000	624	793	52100000	-0.14981	0.030154	0
chr7	52350001	52450000	552	710	52400000	-0.16719	0.018111	0
chr7	53250001	53350000	608	767	53300000	-0.13919	0.040376	0
chr7	53300001	53400000	584	735	53350000	-0.13581	0.044169	0
chr7	53400001	53500000	588	760	53450000	-0.17422	0.014567	0
chr7	53800001	53900000	615	777	53850000	-0.14137	0.038081	0
chr7	53850001	53950000	586	758	53900000	-0.17533	0.014065	0
chr7	53900001	54000000	615	774	53950000	-0.13578	0.044202	0
chr7	54300001	54400000	541	693	54350000	-0.16126	0.021646	0
chr7	54700001	54800000	758	964	54750000	-0.15087	0.029263	0
chr7	54800001	54900000	881	922	54850000	0.130338	0.049881	0
chr7	55700001	55800000	302	379	55750000	-0.13169	0.049187	0
chr7	56600001	56700000	616	785	56650000	-0.1538	0.026919	0
chr7	57450001	57550000	376	387	57500000	0.154362	0.025638	0
chr7	57700001	57800000	120	155	57750000	-0.17327	0.015008	0
chr7	61450001	61550000	287	368	61500000	-0.16269	0.020744	0
chr7	61500001	61600000	399	503	61550000	-0.13821	0.041453	0
chr7	62000001	62100000	458	580	62050000	-0.14474	0.034727	0
chr7	62050001	62150000	447	561	62100000	-0.13176	0.049089	0
chr7	62700001	62800000	37	47	62750000	-0.14917	0.030701	0
chr7	63000001	63100000	14	18	63050000	-0.16661	0.018434	0
chr7	63200001	63300000	74	95	63250000	-0.16444	0.019684	0
chr7	63600001	63700000	394	498	63650000	-0.14199	0.037444	0
chr7	63750001	63850000	475	601	63800000	-0.14347	0.035956	0
chr7	64800001	64900000	613	637	64850000	0.140557	0.03795	0
chr7	64850001	64950000	549	565	64900000	0.154518	0.02552	0

chr7	65000001	65100000	92	93	65050000	0.180366	0.011395	0
chr7	65050001	65150000	92	94	65100000	0.164936	0.018648	0
chr7	66100001	66200000	757	777	66150000	0.158342	0.022785	0
chr7	67950001	68050000	655	832	6.80E+07	-0.14913	0.030742	0
chr7	68150001	68250000	581	752	68200000	-0.17623	0.013671	0
chr7	68750001	68850000	711	736	68800000	0.146107	0.032517	0
chr7	69100001	69200000	772	973	69150000	-0.13788	0.04182	0
chr7	69450001	69550000	692	875	69500000	-0.14255	0.036877	0
chr7	69650001	69750000	637	805	69700000	-0.14173	0.037704	0
chr7	70100001	70200000	699	877	70150000	-0.13132	0.049651	0
chr7	70400001	70500000	670	868	70450000	-0.17757	0.013102	0
chr7	70450001	70550000	635	814	70500000	-0.16231	0.020982	0
chr7	70550001	70650000	618	796	70600000	-0.1692	0.017029	0
chr7	71000001	71100000	651	824	71050000	-0.14402	0.035419	0
chr7	71700001	71800000	787	813	71750000	0.149071	0.029889	0
chr7	72100001	72200000	217	224	72150000	0.150159	0.02897	0
chr7	72300001	72400000	206	259	72350000	-0.13434	0.045904	0
chr7	72700001	72800000	639	666	72750000	0.136257	0.042651	0
chr7	73000001	73100000	1019	1041	73050000	0.165147	0.018527	0
chr7	73500001	73600000	820	853	73550000	0.139041	0.039556	0
chr7	73750001	73850000	814	838	73800000	0.154042	0.02588	0
chr7	73900001	74000000	870	906	73950000	0.137467	0.041282	0
chr7	74000001	74100000	770	802	74050000	0.137219	0.04156	0
chr7	75200001	75300000	872	898	75250000	0.153576	0.026236	0
chr7	75250001	75350000	839	877	75300000	0.132057	0.047687	0
chr7	75350001	75450000	738	746	75400000	0.180408	0.011379	0
chr7	75850001	75950000	958	997	75900000	0.138395	0.040257	0
chr7	76150001	76250000	72	75	76200000	0.137069	0.041728	0
chr7	77150001	77250000	808	834	77200000	0.150271	0.028877	0
chr7	77250001	77350000	795	822	77300000	0.14778	0.031012	0
chr7	77800001	77900000	731	922	77850000	-0.13893	0.040658	0
chr7	78150001	78250000	670	853	78200000	-0.15242	0.028002	0
chr7	78500001	78600000	588	743	78550000	-0.14158	0.037857	0
chr7	78800001	78900000	595	773	78850000	-0.18162	0.011504	0
chr7	79050001	79150000	621	807	79100000	-0.18201	0.011357	0
chr7	79100001	79200000	648	837	79150000	-0.17327	0.015008	0
chr7	79250001	79350000	633	800	79300000	-0.14183	0.037602	0
chr7	80350001	80450000	787	1003	80400000	-0.15392	0.026824	0
chr7	80750001	80850000	702	895	80800000	-0.15445	0.026417	0
chr7	80800001	80900000	736	929	80850000	-0.14001	0.039499	0
chr7	81100001	81200000	656	839	81150000	-0.15901	0.023135	0
chr7	81150001	81250000	682	872	81200000	-0.15859	0.023421	0
chr7	81250001	81350000	658	857	81300000	-0.18524	0.010219	0
chr7	81550001	81650000	601	755	81600000	-0.13315	0.047358	0
chr7	81650001	81750000	641	829	81700000	-0.17508	0.014176	0
chr7	81700001	81800000	628	788	81750000	-0.13147	0.049464	0
chr7	82500001	82600000	653	833	82550000	-0.15527	0.025802	0

chr7	83100001	83200000	570	735	83150000	-0.17082	0.016198	0
chr7	83150001	83250000	628	796	83200000	-0.14604	0.033504	0
chr7	83250001	83350000	584	734	83300000	-0.13385	0.046503	0
chr7	83500001	83600000	641	829	83550000	-0.17508	0.014176	0
chr7	83550001	83650000	643	809	83600000	-0.13536	0.044701	0
chr7	83600001	83700000	560	724	83650000	-0.1746	0.014394	0
chr7	84900001	85000000	602	766	84950000	-0.15162	0.028651	0
chr7	85400001	85500000	627	795	85450000	-0.14653	0.033056	0
chr7	85600001	85700000	642	816	85650000	-0.15003	0.029966	0
chr7	85900001	86000000	584	735	85950000	-0.13581	0.044169	0
chr7	86300001	86400000	719	932	86350000	-0.17838	0.012769	0
chr7	87800001	87900000	941	976	87850000	0.143277	0.035201	0
chr7	87850001	87950000	943	980	87900000	0.140439	0.038073	0
chr7	87950001	88050000	765	973	8.80E+07	-0.15102	0.029143	0
chr7	88100001	88200000	721	935	88150000	-0.179	0.012515	0
chr7	88500001	88600000	633	820	88550000	-0.17746	0.01315	0
chr7	88550001	88650000	650	829	88600000	-0.15497	0.026027	0
chr7	88700001	88800000	646	813	88750000	-0.13576	0.044232	0
chr7	89250001	89350000	575	739	89300000	-0.16605	0.018749	0
chr7	89650001	89750000	524	667	89700000	-0.15216	0.028214	0
chr7	89950001	90050000	786	808	9.00E+07	0.156137	0.02433	0
chr7	90150001	90250000	610	766	90200000	-0.13257	0.048072	0
chr7	90250001	90350000	625	786	90300000	-0.13471	0.045467	0
chr7	90350001	90450000	584	756	90400000	-0.17645	0.013575	0
chr7	90600001	90700000	652	825	90650000	-0.14356	0.035873	0
chr7	91350001	91450000	618	789	91400000	-0.15646	0.024931	0
chr7	92150001	92250000	907	939	92200000	0.14594	0.03267	0
chr7	92200001	92300000	997	1011	92250000	0.175845	0.01321	0
chr7	92350001	92450000	988	1032	92400000	0.133103	0.04639	0
chr7	92800001	92900000	908	940	92850000	0.145995	0.03262	0
chr7	92850001	92950000	864	888	92900000	0.156435	0.024117	0
chr7	93350001	93450000	720	916	93400000	-0.15139	0.028839	0
chr7	94300001	94400000	741	753	94350000	0.172787	0.014575	0
chr7	94450001	94550000	697	879	94500000	-0.13874	0.040866	0
chr7	95300001	95400000	786	992	95350000	-0.13985	0.039672	0
chr7	96250001	96350000	822	857	96300000	0.135806	0.04317	0
chr7	96650001	96750000	733	763	96700000	0.138093	0.040588	0
chr7	96800001	96900000	570	716	96850000	-0.13303	0.047499	0
chr7	96850001	96950000	571	724	96900000	-0.14654	0.033047	0
chr7	97200001	97300000	639	805	97250000	-0.13721	0.042567	0
chr7	97450001	97550000	423	439	97500000	0.1424	0.036069	0
chr7	97950001	98050000	856	887	9.80E+07	0.14464	0.033886	0
chr7	98850001	98950000	926	963	98900000	0.139439	0.039129	0
chr7	98950001	99050000	928	962	9.90E+07	0.144051	0.034449	0
chr7	99450001	99550000	938	975	99500000	0.140149	0.038377	0
chr7	99500001	99600000	940	977	99550000	0.140265	0.038254	0
chr7	1E+08	1E+08	1076	1098	1E+08	0.166763	0.017622	0

chr7	1E+08	1E+08	988	1005	1E+08	0.17135	0.015257	0
chr7	1E+08	1E+08	1094	1104	1E+08	0.182836	0.010498	0
chr7	1E+08	1E+08	860	900	1E+08	0.130375	0.049834	0
chr7	1.01E+08	1.01E+08	879	890	1.01E+08	0.178021	0.012307	0
chr7	1.01E+08	1.02E+08	1003	1015	1.02E+08	0.178805	0.011996	0
chr7	1.02E+08	1.02E+08	892	919	1.02E+08	0.152942	0.026726	0
chr7	1.02E+08	1.02E+08	29	30	1.02E+08	0.147053	0.031658	0
chr7	1.02E+08	1.02E+08	132	138	1.02E+08	0.131833	0.047969	0
chr7	1.03E+08	1.03E+08	833	864	1.03E+08	0.143248	0.035229	0
chr7	1.04E+08	1.04E+08	797	821	1.04E+08	0.153161	0.026556	0
chr7	1.06E+08	1.06E+08	780	814	1.06E+08	0.134408	0.044812	0
chr7	1.08E+08	1.08E+08	666	854	1.08E+08	-0.16275	0.020707	0
chr7	1.08E+08	1.08E+08	809	817	1.08E+08	0.181767	0.010879	0
chr7	1.08E+08	1.08E+08	824	861	1.08E+08	0.132594	0.047017	0
chr7	1.08E+08	1.09E+08	688	878	1.09E+08	-0.15585	0.025373	0
chr7	1.09E+08	1.09E+08	607	778	1.09E+08	-0.16211	0.021107	0
chr7	1.09E+08	1.09E+08	585	756	1.09E+08	-0.17399	0.014675	0
chr7	1.09E+08	1.09E+08	631	801	1.09E+08	-0.1482	0.03155	0
chr7	1.09E+08	1.09E+08	596	752	1.09E+08	-0.13946	0.04009	0
chr7	1.09E+08	1.09E+08	596	776	1.09E+08	-0.18478	0.010376	0
chr7	1.09E+08	1.09E+08	547	690	1.09E+08	-0.13909	0.040484	0
chr7	1.09E+08	1.1E+08	560	721	1.09E+08	-0.16861	0.01734	0
chr7	1.1E+08	1.1E+08	672	855	1.1E+08	-0.1515	0.028747	0
chr7	1.1E+08	1.1E+08	619	801	1.10E+08	-0.1759	0.013816	0
chr7	1.1E+08	1.1E+08	685	880	1.1E+08	-0.16544	0.0191	0
chr7	1.1E+08	1.1E+08	634	814	1.1E+08	-0.16458	0.019599	0
chr7	1.1E+08	1.11E+08	702	910	1.1E+08	-0.17843	0.012746	0
chr7	1.12E+08	1.12E+08	648	838	1.12E+08	-0.17499	0.014217	0
chr7	1.13E+08	1.13E+08	627	800	1.13E+08	-0.15557	0.025578	0
chr7	1.13E+08	1.13E+08	592	769	1.13E+08	-0.18142	0.011576	0
chr7	1.14E+08	1.14E+08	648	826	1.14E+08	-0.15418	0.026623	0
chr7	1.14E+08	1.14E+08	656	830	1.14E+08	-0.14345	0.035978	0
chr7	1.14E+08	1.14E+08	717	901	1.14E+08	-0.13359	0.046816	0
chr7	1.15E+08	1.15E+08	711	916	1.15E+08	-0.16954	0.016854	0
chr7	1.15E+08	1.15E+08	703	885	1.15E+08	-0.13619	0.043732	0
chr7	1.16E+08	1.16E+08	703	897	1.16E+08	-0.15562	0.025542	0
chr7	1.16E+08	1.16E+08	663	841	1.16E+08	-0.14713	0.032503	0
chr7	1.16E+08	1.16E+08	694	876	1.16E+08	-0.14003	0.039476	0
chr7	1.16E+08	1.16E+08	892	920	1.16E+08	0.151373	0.027973	0
chr7	1.17E+08	1.17E+08	745	936	1.17E+08	-0.13331	0.047166	0
chr7	1.18E+08	1.18E+08	697	877	1.18E+08	-0.13546	0.044586	0
chr7	1.18E+08	1.18E+08	615	774	1.18E+08	-0.13578	0.044202	0
chr7	1.18E+08	1.18E+08	617	797	1.18E+08	-0.17335	0.014972	0
chr7	1.18E+08	1.18E+08	623	805	1.18E+08	-0.17379	0.014764	0
chr7	1.18E+08	1.19E+08	629	806	1.18E+08	-0.16176	0.02133	0
chr7	1.19E+08	1.19E+08	609	769	1.19E+08	-0.14058	0.038899	0
chr7	1.19E+08	1.19E+08	608	780	1.19E+08	-0.16344	0.020284	0

chr7	1.19E+08	1.19E+08	626	786	1.19E+08	-0.1324	0.048283	0
chr7	1.19E+08	1.19E+08	541	698	1.19E+08	-0.17164	0.015793	0
chr7	1.19E+08	1.19E+08	555	707	1.19E+08	-0.15326	0.027339	0
chr7	1.19E+08	1.19E+08	588	741	1.19E+08	-0.13769	0.042023	0
chr7	1.19E+08	1.19E+08	614	774	1.19E+08	-0.13813	0.041536	0
chr7	1.2E+08	1.2E+08	556	706	1.2E+08	-0.14862	0.031181	0
chr7	1.2E+08	1.2E+08	637	825	1.20E+08	-0.17714	0.013284	0
chr7	1.2E+08	1.2E+08	633	809	1.2E+08	-0.15797	0.023853	0
chr7	1.2E+08	1.2E+08	620	792	1.2E+08	-0.15727	0.024347	0
chr7	1.21E+08	1.21E+08	750	784	1.21E+08	0.132	0.047759	0
chr7	1.21E+08	1.21E+08	619	801	1.21E+08	-0.1759	0.013816	0
chr7	1.22E+08	1.22E+08	580	735	1.22E+08	-0.14573	0.033795	0
chr7	1.22E+08	1.22E+08	532	687	1.22E+08	-0.17292	0.015173	0
chr7	1.22E+08	1.22E+08	647	821	1.22E+08	-0.14765	0.032035	0
chr7	1.22E+08	1.22E+08	596	757	1.22E+08	-0.14902	0.030835	0
chr7	1.23E+08	1.23E+08	643	815	1.23E+08	-0.14602	0.033525	0
chr7	1.24E+08	1.24E+08	654	827	1.24E+08	-0.14263	0.036791	0
chr7	1.24E+08	1.24E+08	624	796	1.24E+08	-0.15526	0.02581	0
chr7	1.24E+08	1.24E+08	656	852	1.24E+08	-0.18119	0.011662	0
chr7	1.24E+08	1.24E+08	679	873	1.24E+08	-0.16661	0.018434	0
chr7	1.24E+08	1.24E+08	692	893	1.24E+08	-0.17193	0.015651	0
chr7	1.24E+08	1.24E+08	583	739	1.24E+08	-0.14612	0.033435	0
chr7	1.24E+08	1.24E+08	721	745	1.24E+08	0.148722	0.030189	0
chr7	1.25E+08	1.25E+08	603	780	1.25E+08	-0.17535	0.014057	0
chr7	1.25E+08	1.25E+08	565	720	1.25E+08	-0.15378	0.026932	0
chr7	1.25E+08	1.25E+08	648	815	1.25E+08	-0.13484	0.045309	0
chr7	1.25E+08	1.25E+08	654	838	1.25E+08	-0.1617	0.021369	0
chr7	1.25E+08	1.25E+08	647	837	1.25E+08	-0.1755	0.013992	0
chr7	1.26E+08	1.26E+08	562	710	1.26E+08	-0.14129	0.038162	0
chr7	1.26E+08	1.26E+08	644	810	1.26E+08	-0.1349	0.045243	0
chr7	1.26E+08	1.27E+08	477	619	1.27E+08	-0.17999	0.012126	0
chr7	1.27E+08	1.27E+08	960	989	1.27E+08	0.153027	0.02666	0
chr7	1.28E+08	1.28E+08	977	1008	1.28E+08	0.150898	0.028359	0
chr7	1.28E+08	1.28E+08	1025	1039	1.28E+08	0.176391	0.012978	0
chr7	1.28E+08	1.28E+08	1035	1050	1.28E+08	0.175204	0.013486	0
chr7	1.28E+08	1.28E+08	143	149	1.28E+08	0.136666	0.042184	0
chr7	1.28E+08	1.29E+08	1123	1172	1.28E+08	0.134348	0.044883	0
chr7	1.28E+08	1.29E+08	1174	1184	1.29E+08	0.183726	0.010191	0
chr7	1.29E+08	1.29E+08	1006	1041	1.29E+08	0.146623	0.032046	0
chr7	1.29E+08	1.29E+08	876	888	1.29E+08	0.176334	0.013002	0
chr7	1.29E+08	1.29E+08	952	964	1.29E+08	0.177891	0.01236	0
chr7	1.29E+08	1.29E+08	895	908	1.29E+08	0.175158	0.013506	0
chr7	1.29E+08	1.29E+08	1070	1110	1.29E+08	0.143014	0.035459	0
chr7	1.3E+08	1.3E+08	816	835	1.3E+08	0.162756	0.019939	0
chr7	1.3E+08	1.3E+08	713	734	1.3E+08	0.154085	0.025847	0
chr7	1.31E+08	1.31E+08	1037	1046	1.31E+08	0.183496	0.010269	0
chr7	1.31E+08	1.31E+08	986	1013	1.31E+08	0.156988	0.023723	0

chr7	1.31E+08	1.31E+08	932	964	1.31E+08	0.14726	0.031473	0
chr7	1.31E+08	1.31E+08	948	991	1.31E+08	0.131965	0.047802	0
chr7	1.32E+08	1.32E+08	713	903	1.32E+08	-0.14486	0.034614	0
chr7	1.32E+08	1.32E+08	841	1068	1.32E+08	-0.14877	0.031049	0
chr7	1.34E+08	1.34E+08	714	918	1.34E+08	-0.16661	0.018434	0
chr7	1.34E+08	1.34E+08	739	929	1.34E+08	-0.13414	0.046149	0
chr7	1.34E+08	1.34E+08	669	860	1.34E+08	-0.16637	0.018568	0
chr7	1.35E+08	1.35E+08	690	877	1.35E+08	-0.15002	0.029979	0
chr7	1.35E+08	1.35E+08	854	861	1.35E+08	0.184186	0.010035	0
chr7	1.36E+08	1.36E+08	678	877	1.36E+08	-0.17533	0.014067	0
chr7	1.36E+08	1.36E+08	669	860	1.36E+08	-0.16637	0.018568	0
chr7	1.36E+08	1.36E+08	651	824	1.36E+08	-0.14402	0.035419	0
chr7	1.36E+08	1.36E+08	596	760	1.36E+08	-0.15472	0.026212	0
chr7	1.36E+08	1.37E+08	528	687	1.37E+08	-0.18381	0.010712	0
chr7	1.37E+08	1.37E+08	626	797	1.37E+08	-0.15245	0.027976	0
chr7	1.37E+08	1.37E+08	638	825	1.37E+08	-0.17487	0.01427	0
chr7	1.37E+08	1.37E+08	571	742	1.37E+08	-0.18197	0.011375	0
chr7	1.37E+08	1.38E+08	738	926	1.38E+08	-0.13143	0.049515	0
chr7	1.38E+08	1.39E+08	861	901	1.39E+08	0.130449	0.049737	0
chr7	1.39E+08	1.39E+08	961	997	1.39E+08	0.142906	0.035566	0
chr7	1.39E+08	1.39E+08	900	931	1.39E+08	0.147107	0.03161	0
chr7	1.39E+08	1.39E+08	934	972	1.39E+08	0.138429	0.04022	0
chr7	1.39E+08	1.39E+08	846	863	1.39E+08	0.16726	0.017352	0
chr7	1.4E+08	1.4E+08	829	1051	1.4E+08	-0.14636	0.033213	0
chr7	1.4E+08	1.4E+08	870	901	1.4E+08	0.145451	0.033123	0
chr7	1.4E+08	1.4E+08	714	726	1.4E+08	0.171918	0.014985	0
chr7	1.4E+08	1.4E+08	706	888	1.4E+08	-0.13493	0.045208	0
chr7	1.4E+08	1.4E+08	756	785	1.4E+08	0.141657	0.036818	0
chr7	1.4E+08	1.41E+08	704	913	1.41E+08	-0.17908	0.012486	0
chr7	1.43E+08	1.43E+08	732	921	1.43E+08	-0.13539	0.044658	0
chr7	1.44E+08	1.44E+08	649	826	1.44E+08	-0.15196	0.028373	0
chr7	1.44E+08	1.45E+08	647	817	1.44E+08	-0.14061	0.038869	0
chr7	1.45E+08	1.45E+08	628	799	1.45E+08	-0.15147	0.028773	0
chr7	1.45E+08	1.45E+08	563	725	1.45E+08	-0.16888	0.017195	0
chr7	1.45E+08	1.45E+08	548	711	1.45E+08	-0.17971	0.012234	0
chr7	1.45E+08	1.45E+08	550	707	1.45E+08	-0.16632	0.018598	0
chr7	1.45E+08	1.45E+08	610	771	1.45E+08	-0.14196	0.037473	0
chr7	1.46E+08	1.46E+08	611	776	1.46E+08	-0.14892	0.030918	0
chr7	1.46E+08	1.46E+08	585	736	1.46E+08	-0.13531	0.044762	0
chr7	1.47E+08	1.47E+08	517	664	1.47E+08	-0.16506	0.019321	0
chr7	1.47E+08	1.47E+08	592	749	1.47E+08	-0.14341	0.036024	0
chr7	1.47E+08	1.47E+08	594	748	1.47E+08	-0.13661	0.043246	0
chr7	1.47E+08	1.47E+08	597	768	1.47E+08	-0.16741	0.017987	0
chr7	1.47E+08	1.47E+08	613	784	1.47E+08	-0.159	0.023141	0
chr7	1.49E+08	1.49E+08	907	939	1.49E+08	0.14594	0.03267	0
chr7	1.49E+08	1.49E+08	890	924	1.49E+08	0.141876	0.036596	0
chr7	1.49E+08	1.49E+08	854	883	1.49E+08	0.147786	0.031006	0



chr7	1.49E+08	1.49E+08	989	1019	1.49E+08	0.152851	0.026796	0
chr7	1.49E+08	1.5E+08	1177	1201	1.5E+08	0.166841	0.01758	0
chr7	1.5E+08	1.5E+08	92	96	1.5E+08	0.134562	0.044628	0
chr7	1.5E+08	1.5E+08	76	97	1.5E+08	-0.15602	0.025246	0
chr7	1.5E+08	1.51E+08	885	920	1.5E+08	0.140007	0.038526	0
chr7	1.51E+08	1.51E+08	997	1031	1.51E+08	0.147584	0.031184	0
chr7	1.51E+08	1.51E+08	1035	1068	1.51E+08	0.150682	0.028537	0
chr7	1.52E+08	1.52E+08	962	1006	1.52E+08	0.131442	0.048464	0
chr7	1.52E+08	1.52E+08	784	813	1.52E+08	0.143561	0.034923	0
chr7	1.53E+08	1.53E+08	674	849	1.53E+08	-0.13705	0.042745	0
chr7	1.53E+08	1.53E+08	628	812	1.53E+08	-0.17475	0.014326	0
chr7	1.54E+08	1.54E+08	519	535	1.54E+08	0.152159	0.027342	0
chr7	1.54E+08	1.54E+08	117	118	1.54E+08	0.183685	0.010205	0
chr7	1.55E+08	1.55E+08	1069	1111	1.55E+08	0.140366	0.038149	0
chr7	1.55E+08	1.55E+08	1126	1159	1.55E+08	0.154289	0.025693	0
chr7	1.57E+08	1.57E+08	815	845	1.57E+08	0.143812	0.03468	0
chr7	1.57E+08	1.57E+08	1021	1066	1.57E+08	0.133738	0.045616	0
chr7	1.57E+08	1.57E+08	947	975	1.57E+08	0.153925	0.025968	0
chr7	1.57E+08	1.57E+08	1012	1046	1.57E+08	0.148289	0.030564	0
chr7	1.57E+08	1.57E+08	928	948	1.57E+08	0.165201	0.018497	0
chr7	1.57E+08	1.57E+08	935	953	1.57E+08	0.168453	0.016717	0
chr7	1.57E+08	1.57E+08	1049	1090	1.57E+08	0.14065	0.037853	0
chr7	1.57E+08	1.57E+08	1115	1136	1.57E+08	0.169044	0.01641	0
chr7	1.57E+08	1.57E+08	1153	1167	1.57E+08	0.178551	0.012096	0
chr7	1.58E+08	1.58E+08	1058	1104	1.58E+08	0.134562	0.044628	0
chr7	1.58E+08	1.58E+08	965	1009	1.58E+08	0.131638	0.048215	0
chr7	1.58E+08	1.58E+08	878	904	1.58E+08	0.153861	0.026017	0
chr7	1.58E+08	1.58E+08	1006	1018	1.58E+08	0.178856	0.011976	0
chr7	1.59E+08	1.59E+08	1065	1091	1.59E+08	0.161165	0.020927	0
chr8	1	100000	9	19	50000	-0.88204	1.52E-24	0
chr8	50001	150000	3	4	1.00E+05	-0.21907	0.003112	0
chr8	100001	200000	218	286	150000	-0.19572	0.007187	0
chr8	2800001	2900000	616	817	2850000	-0.21144	0.004124	0
chr8	3300001	3400000	616	809	3350000	-0.19725	0.00682	0
chr8	4400001	4500000	589	796	4450000	-0.23854	0.001466	0
chr8	5800001	5900000	684	913	5850000	-0.22066	0.002933	0
chr8	6900001	7000000	298	396	6950000	-0.21423	0.003725	0
chr8	6950001	7050000	69	60	7.00E+06	0.397597	3.14E-07	0
chr8	7000001	7100000	24	16	7050000	0.780926	1.60E-21	0
chr8	7050001	7150000	1	2	7100000	-0.80404	3.29E-21	0
chr8	7200001	7300000	32	31	7250000	0.241767	0.00115	0
chr8	7300001	7400000	12	25	7350000	-0.86293	1.02E-23	0
chr8	7350001	7450000	3	8	7400000	-1.21907	5.55E-40	0
chr8	7400001	7500000	1	1	7450000	0.195963	0.006694	0
chr8	7450001	7550000	1	1	7500000	0.195963	0.006694	0
chr8	7500001	7600000	2	1	7550000	1.195963	1.84E-42	0
chr8	7550001	7650000	9	4	7600000	1.365888	1.42E-51	0

chr8	7600001	7700000	13	11	7650000	0.436971	2.34E-08	0
chr8	7650001	7750000	7	11	7700000	-0.45611	1.21E-08	0
chr8	7700001	7800000	10	21	7750000	-0.87443	3.25E-24	0
chr8	7750001	7850000	8	18	7800000	-0.97396	1.25E-28	0
chr8	7800001	7900000	2	4	7850000	-0.80404	3.29E-21	0
chr8	7850001	7950000	4	4	7900000	0.195963	0.006694	0
chr8	7900001	8000000	4	1	7950000	2.195963	8.22E-92	0
chr8	7950001	8050000	5	1	8.00E+06	2.517891	5.45E-104	0
chr8	8000001	8100000	90	73	8050000	0.497992	2.82E-10	0
chr8	8450001	8550000	945	943	8500000	0.19902	0.006007	0
chr8	11650001	11750000	953	917	11700000	0.251518	0.00076	0
chr8	11700001	11800000	794	756	11750000	0.266716	0.000388	0
chr8	11900001	12000000	23	23	11950000	0.195963	0.006694	0
chr8	11950001	12050000	30	41	1.20E+07	-0.2547	0.000755	0
chr8	12000001	12100000	13	21	12050000	-0.49591	7.79E-10	0
chr8	12050001	12150000	3	2	12100000	0.780926	1.60E-21	0
chr8	12100001	12200000	8	7	12150000	0.388608	5.52E-07	0
chr8	12150001	12250000	63	60	12200000	0.266352	0.000395	0
chr8	12200001	12300000	57	56	12250000	0.221498	0.002601	0
chr8	12250001	12350000	4	4	12300000	0.195963	0.006694	0
chr8	12300001	12400000	19	13	12350000	0.743451	7.68E-20	0
chr8	12450001	12550000	85	80	12500000	0.283426	0.000179	0
chr8	13700001	13800000	636	842	13750000	-0.20883	0.004533	0
chr8	15750001	15850000	648	876	15800000	-0.23897	0.00144	0
chr8	15800001	15900000	623	830	15850000	-0.21792	0.00325	0
chr8	16350001	16450000	683	891	16400000	-0.18758	0.009461	0
chr8	18550001	18650000	696	916	18600000	-0.2003	0.006135	0
chr8	19500001	19600000	1089	1079	19550000	0.209272	0.004137	0
chr8	21900001	22000000	1269	1185	21950000	0.294768	0.000103	0
chr8	21950001	22050000	1297	1246	2.20E+07	0.253837	0.000688	0
chr8	22000001	22100000	1161	1170	22050000	0.184822	0.009823	0
chr8	22350001	22450000	1075	1077	22400000	0.193281	0.007353	0
chr8	22400001	22500000	1205	1213	22450000	0.186417	0.009308	0
chr8	22550001	22650000	1202	1198	22600000	0.200772	0.005642	0
chr8	23000001	23100000	890	879	23050000	0.213905	0.003479	0
chr8	23100001	23200000	1085	1083	23150000	0.198625	0.006092	0
chr8	23150001	23250000	1026	1016	23200000	0.210093	0.004013	0
chr8	23200001	23300000	998	982	23250000	0.21928	0.002834	0
chr8	23250001	23350000	1053	1048	23300000	0.20283	0.005239	0
chr8	24250001	24350000	666	891	24300000	-0.22394	0.00259	0
chr8	24300001	24400000	679	925	24350000	-0.25008	0.000916	0
chr8	25800001	25900000	995	991	25850000	0.201775	0.005442	0
chr8	26350001	26450000	961	965	26400000	0.189971	0.008245	0
chr8	26400001	26500000	1023	1026	26450000	0.191738	0.007758	0
chr8	29150001	29250000	942	943	29200000	0.194432	0.007063	0
chr8	31250001	31350000	593	785	31300000	-0.2087	0.004555	0
chr8	31600001	31700000	595	816	31650000	-0.25972	0.00061	0

chr8	31650001	31750000	551	742	31700000	-0.2334	0.001796	0
chr8	32150001	32250000	574	769	32200000	-0.22597	0.002397	0
chr8	32200001	32300000	593	793	32250000	-0.22333	0.002651	0
chr8	32400001	32500000	649	851	32450000	-0.19498	0.007373	0
chr8	32450001	32550000	645	854	32500000	-0.20897	0.00451	0
chr8	32500001	32600000	596	829	32550000	-0.2801	0.000248	0
chr8	33900001	34000000	583	773	33950000	-0.21101	0.004189	0
chr8	33950001	34050000	564	827	3.40E+07	-0.35623	5.40E-06	0
chr8	34650001	34750000	576	768	34700000	-0.21907	0.003112	0
chr8	34950001	35050000	585	763	3.50E+07	-0.18728	0.009553	0
chr8	35000001	35100000	574	754	35050000	-0.19755	0.006749	0
chr8	35250001	35350000	613	807	35300000	-0.20072	0.006045	0
chr8	35800001	35900000	509	664	35850000	-0.18755	0.009468	0
chr8	36650001	36750000	719	940	36700000	-0.19071	0.008522	0
chr8	37550001	37650000	1061	1068	37600000	0.186476	0.009289	0
chr8	37600001	37700000	1068	1066	37650000	0.198667	0.006083	0
chr8	37650001	37750000	1020	1010	37700000	0.210177	0.004	0
chr8	38000001	38100000	856	826	38050000	0.247432	0.000906	0
chr8	38200001	38300000	914	918	38250000	0.189663	0.008333	0
chr8	38250001	38350000	1013	1007	38300000	0.204534	0.004924	0
chr8	38750001	38850000	1011	1019	38800000	0.184592	0.009899	0
chr8	40750001	40850000	689	912	40800000	-0.20857	0.004576	0
chr8	40800001	40900000	633	830	40850000	-0.19494	0.007381	0
chr8	43550001	43650000	537	755	43600000	-0.29559	0.000121	0
chr8	46800001	46900000	158	206	46850000	-0.18676	0.009722	0
chr8	47000001	47100000	673	887	47050000	-0.20236	0.005706	0
chr8	47300001	47400000	676	885	47350000	-0.19269	0.007969	0
chr8	47450001	47550000	405	531	47500000	-0.19483	0.007411	0
chr8	47600001	47700000	354	490	47650000	-0.27307	0.000341	0
chr8	47650001	47750000	428	589	47700000	-0.26469	0.000492	0
chr8	47700001	47800000	545	726	47750000	-0.21775	0.00327	0
chr8	50150001	50250000	630	847	50200000	-0.23105	0.00197	0
chr8	50300001	50400000	510	673	50350000	-0.20415	0.005359	0
chr8	51350001	51450000	525	685	51400000	-0.18782	0.009384	0
chr8	51800001	51900000	528	691	51850000	-0.19218	0.008107	0
chr8	51850001	51950000	515	722	51900000	-0.29146	0.000147	0
chr8	53950001	54050000	509	718	5.40E+07	-0.30036	9.64E-05	0
chr8	54000001	54100000	606	812	54050000	-0.2262	0.002376	0
chr8	55500001	55600000	563	760	55550000	-0.2369	0.001564	0
chr8	55600001	55700000	577	782	55650000	-0.24263	0.001243	0
chr8	58600001	58700000	611	861	58650000	-0.29888	0.000103	0
chr8	60150001	60250000	607	811	60200000	-0.22204	0.002784	0
chr8	60300001	60400000	541	724	60350000	-0.2244	0.002545	0
chr8	60350001	60450000	492	671	60400000	-0.25169	0.000856	0
chr8	60550001	60650000	622	826	60600000	-0.21326	0.003859	0
chr8	60600001	60700000	612	828	60650000	-0.24014	0.001375	0
chr8	60650001	60750000	605	790	60700000	-0.18895	0.009037	0

chr8	62600001	62700000	1020	981	62650000	0.252207	0.000738	0
chr8	64350001	64450000	567	764	64400000	-0.23426	0.001737	0
chr8	65800001	65900000	548	719	65850000	-0.19585	0.007155	0
chr8	68100001	68200000	830	823	68150000	0.208182	0.004308	0
chr8	69150001	69250000	597	828	69200000	-0.27594	0.0003	0
chr8	69200001	69300000	599	823	69250000	-0.26237	0.000544	0
chr8	69250001	69350000	534	727	69300000	-0.24915	0.000952	0
chr8	69300001	69400000	526	712	69350000	-0.24085	0.001336	0
chr8	69350001	69450000	518	692	69400000	-0.22186	0.002803	0
chr8	69400001	69500000	558	744	69450000	-0.21907	0.003112	0
chr8	69450001	69550000	549	745	69500000	-0.24447	0.001154	0
chr8	69500001	69600000	543	736	69550000	-0.24279	0.001235	0
chr8	69550001	69650000	527	731	69600000	-0.27611	0.000298	0
chr8	69600001	69700000	496	669	69650000	-0.2357	0.001641	0
chr8	69900001	70000000	512	684	69950000	-0.22189	0.0028	0
chr8	69950001	70050000	498	669	7.00E+07	-0.2299	0.00206	0
chr8	71700001	71800000	504	689	71750000	-0.25512	0.000742	0
chr8	74650001	74750000	844	848	74700000	0.189142	0.008483	0
chr8	76350001	76450000	475	689	76400000	-0.34061	1.26E-05	0
chr8	76400001	76500000	512	688	76450000	-0.2303	0.002028	0
chr8	76700001	76800000	538	715	76750000	-0.21437	0.003705	0
chr8	76750001	76850000	523	706	76800000	-0.23689	0.001565	0
chr8	76900001	77000000	541	713	76950000	-0.20231	0.005717	0
chr8	76950001	77050000	523	719	7.70E+07	-0.26322	0.000525	0
chr8	77000001	77100000	560	758	77050000	-0.24081	0.001338	0
chr8	77050001	77150000	595	807	77100000	-0.24372	0.00119	0
chr8	77100001	77200000	596	788	77150000	-0.20692	0.004855	0
chr8	77300001	77400000	560	746	77350000	-0.21779	0.003265	0
chr8	78350001	78450000	570	755	78400000	-0.20955	0.004417	0
chr8	78400001	78500000	579	765	78450000	-0.20593	0.005029	0
chr8	78550001	78650000	579	773	78600000	-0.22094	0.002901	0
chr8	79300001	79400000	537	713	79350000	-0.21302	0.003894	0
chr8	80350001	80450000	644	841	80400000	-0.18908	0.008998	0
chr8	81900001	82000000	668	881	81950000	-0.20333	0.005515	0
chr8	82800001	82900000	609	800	82850000	-0.19759	0.006739	0
chr8	83400001	83500000	525	696	83450000	-0.21081	0.00422	0
chr8	83750001	83850000	563	750	83800000	-0.21779	0.003265	0
chr8	84000001	84100000	569	759	84050000	-0.21971	0.003039	0
chr8	84150001	84250000	503	676	84200000	-0.2305	0.002012	0
chr8	84200001	84300000	548	722	84250000	-0.20186	0.005809	0
chr8	84700001	84800000	511	667	84750000	-0.1884	0.009205	0
chr8	85650001	85750000	604	805	85700000	-0.21848	0.003182	0
chr8	85700001	85800000	547	773	85750000	-0.30296	8.50E-05	0
chr8	85750001	85850000	551	798	85800000	-0.33837	1.42E-05	0
chr8	85800001	85900000	542	729	85850000	-0.23166	0.001923	0
chr8	86250001	86350000	614	801	86300000	-0.1876	0.009453	0
chr8	86400001	86500000	596	794	86450000	-0.21786	0.003256	0

chr8	86450001	86550000	578	782	86500000	-0.24014	0.001375	0
chr8	86500001	86600000	312	424	86550000	-0.24656	0.001059	0
chr8	86700001	86800000	1	3	86750000	-1.389	6.26E-48	0
chr8	87700001	87800000	586	785	87750000	-0.22583	0.00241	0
chr8	88050001	88150000	576	754	88100000	-0.19253	0.008012	0
chr8	88600001	88700000	465	618	88650000	-0.21441	0.003699	0
chr8	88750001	88850000	518	676	88800000	-0.18811	0.009295	0
chr8	88800001	88900000	527	694	88850000	-0.20117	0.005951	0
chr8	89300001	89400000	585	772	89350000	-0.2042	0.005348	0
chr8	89350001	89450000	547	735	89400000	-0.23024	0.002033	0
chr8	89500001	89600000	453	609	89550000	-0.23097	0.001976	0
chr8	90100001	90200000	497	659	90150000	-0.21107	0.00418	0
chr8	90150001	90250000	463	646	90200000	-0.28456	0.000203	0
chr8	90200001	90300000	537	724	90250000	-0.2351	0.00168	0
chr8	90350001	90450000	522	700	90400000	-0.22734	0.002274	0
chr8	92200001	92300000	598	786	92250000	-0.19842	0.006549	0
chr8	92650001	92750000	539	723	92700000	-0.22775	0.002239	0
chr8	93150001	93250000	531	724	93200000	-0.25131	0.00087	0
chr8	93200001	93300000	515	690	93250000	-0.22606	0.002389	0
chr8	93250001	93350000	535	712	93300000	-0.21638	0.003441	0
chr8	93850001	93950000	615	829	93900000	-0.23482	0.001699	0
chr8	94100001	94200000	643	838	94150000	-0.18617	0.009912	0
chr8	94450001	94550000	613	799	94500000	-0.18635	0.009855	0
chr8	94500001	94600000	668	890	94550000	-0.21799	0.00324	0
chr8	94550001	94650000	665	907	94600000	-0.25179	0.000853	0
chr8	95900001	96000000	973	956	95950000	0.221392	0.002612	0
chr8	96750001	96850000	630	821	96800000	-0.18607	0.009946	0
chr8	97200001	97300000	930	936	97250000	0.186685	0.009224	0
chr8	99450001	99550000	684	906	99500000	-0.20955	0.004417	0
chr8	1.02E+08	1.02E+08	852	847	1.02E+08	0.204454	0.004939	0
chr8	1.02E+08	1.02E+08	859	864	1.02E+08	0.18759	0.008945	0
chr8	1.04E+08	1.04E+08	1069	1027	1.04E+08	0.253789	0.000689	0
chr8	1.04E+08	1.04E+08	984	948	1.04E+08	0.249734	0.000821	0
chr8	1.04E+08	1.04E+08	900	852	1.04E+08	0.275035	0.000265	0
chr8	1.04E+08	1.04E+08	887	850	1.04E+08	0.257434	0.000588	0
chr8	1.07E+08	1.07E+08	638	833	1.07E+08	-0.1888	0.009084	0
chr8	1.07E+08	1.07E+08	635	860	1.07E+08	-0.24162	0.001295	0
chr8	1.07E+08	1.07E+08	666	888	1.07E+08	-0.21907	0.003112	0
chr8	1.08E+08	1.08E+08	641	852	1.08E+08	-0.21457	0.003679	0
chr8	1.09E+08	1.09E+08	582	772	1.09E+08	-0.21162	0.004098	0
chr8	1.09E+08	1.09E+08	607	797	1.09E+08	-0.19692	0.006897	0
chr8	1.09E+08	1.1E+08	745	738	1.1E+08	0.209583	0.00409	0
chr8	1.1E+08	1.1E+08	635	835	1.1E+08	-0.19906	0.006406	0
chr8	1.1E+08	1.1E+08	658	887	1.1E+08	-0.23488	0.001695	0
chr8	1.1E+08	1.1E+08	695	922	1.1E+08	-0.21179	0.004072	0
chr8	1.11E+08	1.11E+08	600	797	1.11E+08	-0.21365	0.003804	0
chr8	1.11E+08	1.11E+08	563	750	1.11E+08	-0.21779	0.003265	0

chr8	1.12E+08	1.12E+08	548	744	1.12E+08	-0.24516	0.001121	0
chr8	1.12E+08	1.12E+08	562	744	1.12E+08	-0.20877	0.004543	0
chr8	1.12E+08	1.12E+08	495	666	1.12E+08	-0.23213	0.001888	0
chr8	1.12E+08	1.12E+08	558	772	1.12E+08	-0.27237	0.000351	0
chr8	1.12E+08	1.12E+08	583	781	1.12E+08	-0.22586	0.002407	0
chr8	1.12E+08	1.12E+08	570	755	1.12E+08	-0.20955	0.004417	0
chr8	1.13E+08	1.13E+08	514	681	1.13E+08	-0.20992	0.004358	0
chr8	1.13E+08	1.13E+08	536	700	1.13E+08	-0.18916	0.008975	0
chr8	1.13E+08	1.13E+08	539	733	1.13E+08	-0.24756	0.001016	0
chr8	1.13E+08	1.13E+08	547	785	1.13E+08	-0.32519	2.81E-05	0
chr8	1.13E+08	1.13E+08	524	744	1.13E+08	-0.30977	6.10E-05	0
chr8	1.13E+08	1.13E+08	495	687	1.13E+08	-0.27692	0.000287	0
chr8	1.13E+08	1.13E+08	524	691	1.13E+08	-0.20316	0.00555	0
chr8	1.13E+08	1.13E+08	573	767	1.13E+08	-0.22473	0.002514	0
chr8	1.13E+08	1.13E+08	569	746	1.13E+08	-0.19478	0.007422	0
chr8	1.14E+08	1.14E+08	559	731	1.14E+08	-0.19106	0.008421	0
chr8	1.14E+08	1.14E+08	513	734	1.14E+08	-0.32086	3.50E-05	0
chr8	1.14E+08	1.14E+08	531	754	1.14E+08	-0.30989	6.06E-05	0
chr8	1.14E+08	1.14E+08	611	818	1.14E+08	-0.22497	0.002491	0
chr8	1.14E+08	1.14E+08	626	816	1.14E+08	-0.18644	0.009823	0
chr8	1.14E+08	1.14E+08	601	803	1.14E+08	-0.22207	0.00278	0
chr8	1.14E+08	1.14E+08	549	741	1.14E+08	-0.2367	0.001577	0
chr8	1.14E+08	1.14E+08	517	680	1.14E+08	-0.19941	0.006328	0
chr8	1.15E+08	1.15E+08	530	704	1.15E+08	-0.21362	0.003809	0
chr8	1.15E+08	1.15E+08	565	765	1.15E+08	-0.24125	0.001315	0
chr8	1.15E+08	1.16E+08	569	780	1.15E+08	-0.25908	0.000627	0
chr8	1.16E+08	1.16E+08	552	730	1.16E+08	-0.20727	0.004795	0
chr8	1.16E+08	1.16E+08	550	764	1.16E+08	-0.27818	0.000271	0
chr8	1.16E+08	1.16E+08	577	758	1.16E+08	-0.19766	0.006723	0
chr8	1.16E+08	1.16E+08	605	789	1.16E+08	-0.18713	0.009603	0
chr8	1.17E+08	1.17E+08	652	851	1.17E+08	-0.18832	0.009229	0
chr8	1.21E+08	1.21E+08	828	817	1.21E+08	0.215258	0.003305	0
chr8	1.21E+08	1.21E+08	809	790	1.21E+08	0.23025	0.001841	0
chr8	1.22E+08	1.22E+08	655	858	1.22E+08	-0.19352	0.007748	0
chr8	1.23E+08	1.23E+08	617	806	1.23E+08	-0.18955	0.00886	0
chr8	1.24E+08	1.24E+08	924	913	1.24E+08	0.213241	0.003567	0
chr8	1.24E+08	1.25E+08	895	844	1.24E+08	0.280608	0.000204	0
chr8	1.25E+08	1.26E+08	853	838	1.25E+08	0.221559	0.002595	0
chr8	1.25E+08	1.26E+08	921	909	1.26E+08	0.214884	0.003352	0
chr8	1.26E+08	1.26E+08	1004	942	1.26E+08	0.287923	0.000144	0
chr8	1.26E+08	1.27E+08	1024	1026	1.26E+08	0.193148	0.007387	0
chr8	1.27E+08	1.27E+08	1070	1045	1.27E+08	0.230071	0.001855	0
chr8	1.32E+08	1.33E+08	834	1102	1.33E+08	-0.20604	0.00501	0
chr8	1.33E+08	1.33E+08	766	1006	1.33E+08	-0.19725	0.006819	0
chr8	1.33E+08	1.34E+08	961	1269	1.34E+08	-0.20512	0.005177	0
chr8	1.34E+08	1.34E+08	1511	1499	1.34E+08	0.207466	0.004423	0
chr8	1.35E+08	1.35E+08	825	1101	1.35E+08	-0.22039	0.002963	0

chr8	1.35E+08	1.35E+08	871	1206	1.35E+08	-0.27352	0.000334	0
chr8	1.36E+08	1.36E+08	900	1174	1.36E+08	-0.18747	0.009494	0
chr8	1.37E+08	1.37E+08	757	1001	1.37E+08	-0.20711	0.004821	0
chr8	1.38E+08	1.38E+08	807	1101	1.38E+08	-0.25221	0.000838	0
chr8	1.38E+08	1.38E+08	538	725	1.38E+08	-0.23441	0.001727	0
chr8	1.38E+08	1.38E+08	691	936	1.38E+08	-0.24186	0.001282	0
chr8	1.38E+08	1.38E+08	734	967	1.38E+08	-0.20177	0.005826	0
chr8	1.38E+08	1.38E+08	725	1012	1.38E+08	-0.28519	0.000197	0
chr8	1.38E+08	1.38E+08	705	969	1.38E+08	-0.26291	0.000532	0
chr8	1.38E+08	1.38E+08	798	1062	1.38E+08	-0.21636	0.003443	0
chr8	1.39E+08	1.39E+08	748	1008	1.39E+08	-0.23442	0.001726	0
chr8	1.39E+08	1.39E+08	751	1031	1.39E+08	-0.2612	0.000573	0
chr8	1.39E+08	1.4E+08	814	1100	1.4E+08	-0.23844	0.001471	0
chr8	1.41E+08	1.42E+08	1249	1148	1.42E+08	0.317614	3.23E-05	0
chr8	1.42E+08	1.42E+08	1410	1342	1.42E+08	0.267274	0.000379	0
chr8	1.42E+08	1.42E+08	1411	1385	1.42E+08	0.222795	0.002473	0
chr8	1.42E+08	1.42E+08	1687	1682	1.42E+08	0.200245	0.005749	0
chr8	1.42E+08	1.42E+08	1855	1716	1.42E+08	0.308333	5.23E-05	0
chr8	1.43E+08	1.43E+08	1631	1566	1.43E+08	0.254636	0.000664	0
chr8	1.43E+08	1.43E+08	1599	1559	1.43E+08	0.232512	0.001681	0
chr8	1.43E+08	1.43E+08	1603	1614	1.43E+08	0.186097	0.009409	0
chr8	1.43E+08	1.43E+08	787	792	1.43E+08	0.186826	0.00918	0
chr8	1.43E+08	1.43E+08	1427	1412	1.43E+08	0.211208	0.003849	0
chr8	1.43E+08	1.43E+08	1482	1462	1.43E+08	0.215565	0.003267	0
chr8	1.43E+08	1.44E+08	1654	1660	1.44E+08	0.190739	0.00803	0
chr8	1.44E+08	1.44E+08	1730	1744	1.44E+08	0.184335	0.009985	0
chr8	1.44E+08	1.44E+08	1666	1660	1.44E+08	0.201168	0.005562	0
chr8	1.44E+08	1.44E+08	1492	1422	1.44E+08	0.265289	0.000414	0
chr8	1.44E+08	1.44E+08	1479	1450	1.44E+08	0.224532	0.00231	0
chr8	1.44E+08	1.44E+08	1289	1296	1.44E+08	0.18815	0.008776	0
chr8	1.44E+08	1.44E+08	1487	1491	1.44E+08	0.192087	0.007664	0
chr8	1.44E+08	1.44E+08	1495	1452	1.44E+08	0.238067	0.00134	0
chr8	1.44E+08	1.44E+08	1483	1426	1.44E+08	0.252508	0.000728	0
chr8	1.44E+08	1.45E+08	1657	1563	1.44E+08	0.280219	0.000208	0
chr8	1.44E+08	1.45E+08	1752	1631	1.45E+08	0.299209	8.28E-05	0
chr8	1.45E+08	1.45E+08	1707	1608	1.45E+08	0.282159	0.00019	0
chr8	1.45E+08	1.45E+08	1726	1557	1.45E+08	0.344627	7.45E-06	0
chr8	1.45E+08	1.45E+08	1745	1533	1.45E+08	0.382832	7.89E-07	0
chr8	1.45E+08	1.45E+08	1471	1418	1.45E+08	0.248903	0.000851	0
chr8	1.45E+08	1.45E+08	1281	1269	1.45E+08	0.209541	0.004096	0
chr8	1.45E+08	1.45E+08	1445	1355	1.45E+08	0.28874	0.000139	0
chr8	1.45E+08	1.45E+08	1541	1526	1.45E+08	0.210075	0.004016	0
chr8	1.45E+08	1.45E+08	1631	1575	1.45E+08	0.246368	0.000947	0
chr8	1.45E+08	1.45E+08	1668	1567	1.45E+08	0.286077	0.000157	0
chr8	1.45E+08	1.45E+08	1703	1619	1.45E+08	0.268938	0.000351	0
chr8	1.45E+08	1.45E+08	1655	1531	1.45E+08	0.30832	5.23E-05	0
chr8	1.45E+08	1.45E+08	1497	1413	1.45E+08	0.279276	0.000218	0

chr8	1.45E+08	1.45E+08	1329	1311	1.45E+08	0.215636	0.003258	0
chr8	1.45E+08	1.46E+08	0	4	1.45E+08	#NAME?	3.67E-137	0
chr8	1.45E+08	1.46E+08	813	768	1.46E+08	0.278112	0.00023	0
chr8	1.46E+08	1.46E+08	1580	1473	1.46E+08	0.29713	9.19E-05	0
chr8	1.46E+08	1.46E+08	1453	1418	1.46E+08	0.23114	0.001777	0
chr8	1.46E+08	1.46E+08	1575	1481	1.46E+08	0.284743	0.000168	0
chr8	1.46E+08	1.46E+08	1710	1575	1.46E+08	0.314608	3.78E-05	0
chr8	1.46E+08	1.46E+08	1490	1400	1.46E+08	0.285849	0.000159	0
chr8	1.46E+08	1.46E+08	1294	1260	1.46E+08	0.234377	0.001559	0
chr8	1.46E+08	1.46E+08	1260	1241	1.46E+08	0.217884	0.00299	0
chr8	1.46E+08	1.46E+08	1015	1014	1.46E+08	0.197385	0.006366	0
chr8	1.46E+08	1.46E+08	6	11	1.46E+08	-0.67851	3.57E-16	0
chr8	1000001	1100000	858	887	1050000	0.148007	0.030812	0
chr8	1300001	1400000	738	747	1350000	0.178476	0.012126	0
chr8	2850001	2950000	639	817	2900000	-0.15856	0.023446	0
chr8	3000001	3100000	623	790	3050000	-0.14666	0.032936	0
chr8	3650001	3750000	654	832	3700000	-0.15133	0.028886	0
chr8	3950001	4050000	623	787	4.00E+06	-0.14117	0.038284	0
chr8	4300001	4400000	630	797	4350000	-0.14326	0.036163	0
chr8	4450001	4550000	641	819	4500000	-0.15758	0.02413	0
chr8	4600001	4700000	645	832	4650000	-0.17132	0.015948	0
chr8	5000001	5100000	599	756	5050000	-0.13987	0.039651	0
chr8	5200001	5300000	624	790	5250000	-0.14434	0.03511	0
chr8	5250001	5350000	591	745	5300000	-0.13812	0.04155	0
chr8	5400001	5500000	700	890	5450000	-0.15049	0.029584	0
chr8	5550001	5650000	637	819	5600000	-0.16661	0.018434	0
chr8	5700001	5800000	641	826	5750000	-0.16985	0.016688	0
chr8	5750001	5850000	653	843	5800000	-0.17249	0.01538	0
chr8	5850001	5950000	669	857	5900000	-0.16133	0.021606	0
chr8	8050001	8150000	566	572	8100000	0.18075	0.011251	0
chr8	9600001	9700000	732	756	9650000	0.14942	0.029591	0
chr8	9700001	9800000	721	915	9750000	-0.14781	0.031896	0
chr8	10050001	10150000	749	941	10100000	-0.13327	0.047214	0
chr8	11150001	11250000	905	926	11200000	0.162869	0.01987	0
chr8	11200001	11300000	883	915	11250000	0.144605	0.03392	0
chr8	11250001	11350000	967	998	11300000	0.150439	0.028737	0
chr8	11550001	11650000	1057	1077	11600000	0.16892	0.016474	0
chr8	12350001	12450000	223	229	12400000	0.157659	0.023254	0
chr8	12400001	12500000	230	240	12450000	0.134562	0.044628	0
chr8	13000001	13100000	767	786	13050000	0.16066	0.02125	0
chr8	13750001	13850000	648	832	13800000	-0.16463	0.019573	0
chr8	13800001	13900000	616	792	13850000	-0.16661	0.018434	0
chr8	13850001	13950000	594	753	13900000	-0.14622	0.033335	0
chr8	14400001	14500000	611	772	14450000	-0.14147	0.037977	0
chr8	15100001	15200000	680	860	15150000	-0.14284	0.036586	0
chr8	15250001	15350000	621	787	15300000	-0.14581	0.033721	0
chr8	15550001	15650000	664	833	15600000	-0.13117	0.049845	0



chr8	15650001	15750000	666	843	15700000	-0.14405	0.035396	0
chr8	16100001	16200000	635	820	16150000	-0.1729	0.015181	0
chr8	16300001	16400000	695	883	16350000	-0.14944	0.030473	0
chr8	16600001	16700000	647	827	16650000	-0.15816	0.023722	0
chr8	16650001	16750000	666	836	16700000	-0.13202	0.048767	0
chr8	17750001	17850000	894	909	17800000	0.171958	0.014966	0
chr8	17900001	18000000	768	973	17950000	-0.14537	0.034131	0
chr8	19450001	19550000	1020	1062	19500000	0.137748	0.040969	0
chr8	19550001	19650000	1043	1062	19600000	0.169918	0.015964	0
chr8	19600001	19700000	969	1013	19650000	0.131897	0.047887	0
chr8	21750001	21850000	1029	1073	21800000	0.135556	0.04346	0
chr8	21850001	21950000	1052	1068	21900000	0.174186	0.013936	0
chr8	22200001	22300000	886	922	22250000	0.138503	0.040139	0
chr8	22450001	22550000	1170	1215	22500000	0.141515	0.036962	0
chr8	22500001	22600000	1190	1230	22550000	0.148266	0.030585	0
chr8	23050001	23150000	937	956	23100000	0.167001	0.017492	0
chr8	23300001	23400000	1023	1037	23350000	0.176353	0.012994	0
chr8	23350001	23450000	1002	1040	23400000	0.142262	0.036207	0
chr8	23500001	23600000	924	934	23550000	0.180433	0.01137	0
chr8	24350001	24450000	667	867	24400000	-0.18238	0.011222	0
chr8	24400001	24500000	642	816	24450000	-0.15003	0.029966	0
chr8	24600001	24700000	735	930	24650000	-0.14352	0.035908	0
chr8	25050001	25150000	950	969	25100000	0.167394	0.01728	0
chr8	25200001	25300000	933	965	25250000	0.147311	0.031427	0
chr8	25500001	25600000	669	841	25550000	-0.13414	0.046155	0
chr8	26300001	26400000	930	970	26350000	0.135209	0.043865	0
chr8	26650001	26750000	796	1000	26700000	-0.1332	0.047299	0
chr8	27400001	27500000	1041	1081	27450000	0.141567	0.036909	0
chr8	27700001	27800000	1032	1075	27750000	0.137069	0.041728	0
chr8	29100001	29200000	888	912	29150000	0.157489	0.023373	0
chr8	29350001	29450000	968	1000	29400000	0.149042	0.029914	0
chr8	29400001	29500000	978	1010	29450000	0.149514	0.029512	0
chr8	30500001	30600000	775	793	30550000	0.162838	0.019888	0
chr8	31100001	31200000	645	812	31150000	-0.13622	0.0437	0
chr8	31200001	31300000	703	884	31250000	-0.13456	0.045648	0
chr8	31950001	32050000	621	788	3.20E+07	-0.14764	0.032048	0
chr8	32000001	32100000	593	768	32050000	-0.17711	0.013295	0
chr8	32100001	32200000	582	753	32150000	-0.17567	0.013918	0
chr8	32250001	32350000	613	781	32300000	-0.15347	0.027173	0
chr8	32350001	32450000	630	798	32400000	-0.14507	0.034411	0
chr8	32550001	32650000	616	777	32600000	-0.13902	0.040561	0
chr8	34350001	34450000	556	705	34400000	-0.14658	0.033011	0
chr8	34400001	34500000	578	727	34450000	-0.13492	0.045214	0
chr8	34700001	34800000	582	745	34750000	-0.16026	0.0223	0
chr8	34900001	35000000	627	797	34950000	-0.15015	0.029866	0
chr8	35050001	35150000	579	754	35100000	-0.18504	0.010289	0
chr8	35400001	35500000	553	706	35450000	-0.15643	0.024952	0

chr8	35650001	35750000	597	749	35700000	-0.13127	0.049715	0
chr8	36050001	36150000	555	698	36100000	-0.13478	0.045388	0
chr8	36100001	36200000	601	765	36150000	-0.15213	0.028235	0
chr8	36350001	36450000	720	915	36400000	-0.14981	0.030154	0
chr8	36600001	36700000	719	915	36650000	-0.15182	0.028489	0
chr8	37700001	37800000	903	929	37750000	0.15501	0.025153	0
chr8	37950001	38050000	873	881	3.80E+07	0.182803	0.01051	0
chr8	38050001	38150000	837	858	38100000	0.160213	0.021539	0
chr8	38700001	38800000	921	929	38750000	0.183486	0.010273	0
chr8	38800001	38900000	953	981	38850000	0.154186	0.02577	0
chr8	38950001	39050000	689	877	3.90E+07	-0.15211	0.028252	0
chr8	39150001	39250000	752	956	39200000	-0.15031	0.029728	0
chr8	39300001	39400000	671	861	39350000	-0.16374	0.020104	0
chr8	39650001	39750000	622	793	39700000	-0.15444	0.026425	0
chr8	39950001	40050000	950	992	4.00E+07	0.13355	0.045844	0
chr8	40000001	40100000	1003	1033	40050000	0.153444	0.026336	0
chr8	40150001	40250000	879	919	40200000	0.131761	0.048059	0
chr8	41150001	41250000	727	912	41200000	-0.13112	0.049915	0
chr8	41200001	41300000	721	907	41250000	-0.13514	0.044957	0
chr8	42150001	42250000	891	921	42200000	0.148187	0.030653	0
chr8	42450001	42550000	672	844	42500000	-0.13282	0.047766	0
chr8	42900001	43000000	841	869	42950000	0.148713	0.030197	0
chr8	42950001	43050000	756	774	4.30E+07	0.162016	0.020394	0
chr8	43200001	43300000	453	574	43250000	-0.14558	0.033937	0
chr8	43500001	43600000	532	680	43550000	-0.15815	0.023731	0
chr8	43600001	43700000	609	766	43650000	-0.13494	0.045195	0
chr8	46750001	46850000	31	39	46800000	-0.13524	0.044836	0
chr8	46850001	46950000	439	558	46900000	-0.15008	0.029925	0
chr8	47050001	47150000	703	897	47100000	-0.15562	0.025542	0
chr8	47500001	47600000	472	595	47550000	-0.13814	0.041527	0
chr8	47550001	47650000	429	543	47600000	-0.14401	0.035431	0
chr8	48800001	48900000	881	897	48850000	0.169997	0.015925	0
chr8	48850001	48950000	818	826	48900000	0.181922	0.010823	0
chr8	49000001	49100000	725	924	49050000	-0.15395	0.026804	0
chr8	49050001	49150000	644	835	49100000	-0.17875	0.012616	0
chr8	49100001	49200000	640	803	49150000	-0.13137	0.049596	0
chr8	49300001	49400000	704	914	49350000	-0.18066	0.011867	0
chr8	49500001	49600000	850	1067	49550000	-0.13206	0.048711	0
chr8	49650001	49750000	761	960	49700000	-0.13917	0.040394	0
chr8	50100001	50200000	633	817	50150000	-0.17217	0.015534	0
chr8	50200001	50300000	668	841	50250000	-0.13629	0.043611	0
chr8	50250001	50350000	560	710	50300000	-0.14643	0.033145	0
chr8	50350001	50450000	564	732	50400000	-0.18019	0.012049	0
chr8	50400001	50500000	605	781	50450000	-0.17242	0.01541	0
chr8	50450001	50550000	664	840	50500000	-0.14324	0.036184	0
chr8	50500001	50600000	583	735	50550000	-0.13829	0.041367	0
chr8	50550001	50650000	555	707	50600000	-0.15326	0.027339	0

chr8	51000001	51100000	685	714	51050000	0.136143	0.042781	0
chr8	51050001	51150000	671	678	51100000	0.180991	0.011162	0
chr8	51300001	51400000	623	783	51350000	-0.13382	0.046541	0
chr8	51500001	51600000	587	755	51550000	-0.16715	0.01813	0
chr8	51550001	51650000	567	726	51600000	-0.16066	0.022038	0
chr8	51600001	51700000	538	679	51650000	-0.13984	0.039677	0
chr8	51750001	51850000	559	728	51800000	-0.18513	0.010258	0
chr8	52300001	52400000	606	766	52350000	-0.14206	0.037366	0
chr8	52600001	52700000	622	789	52650000	-0.14715	0.03249	0
chr8	53200001	53300000	662	852	53250000	-0.16806	0.017635	0
chr8	53250001	53350000	702	902	53300000	-0.16569	0.018952	0
chr8	53600001	53700000	799	828	53650000	0.144528	0.033993	0
chr8	53700001	53800000	779	796	53750000	0.164818	0.018716	0
chr8	53800001	53900000	660	854	53850000	-0.17581	0.013856	0
chr8	53900001	54000000	562	716	53950000	-0.15343	0.027209	0
chr8	54150001	54250000	701	887	54200000	-0.14356	0.035875	0
chr8	54650001	54750000	690	871	54700000	-0.14011	0.039389	0
chr8	54850001	54950000	768	800	54900000	0.137069	0.041728	0
chr8	54900001	55000000	737	759	54950000	0.153528	0.026272	0
chr8	55200001	55300000	718	920	55250000	-0.16169	0.021375	0
chr8	55550001	55650000	565	733	55600000	-0.1796	0.012278	0
chr8	55800001	55900000	607	774	55850000	-0.15467	0.02625	0
chr8	57300001	57400000	638	820	57350000	-0.1661	0.018717	0
chr8	57350001	57450000	698	890	57400000	-0.15462	0.026295	0
chr8	57400001	57500000	687	875	57450000	-0.15301	0.027535	0
chr8	58650001	58750000	651	840	58700000	-0.17177	0.015728	0
chr8	59400001	59500000	783	816	59450000	0.136406	0.04248	0
chr8	59950001	60050000	701	888	6.00E+07	-0.14518	0.034309	0
chr8	60000001	60100000	636	818	60050000	-0.16711	0.018153	0
chr8	60200001	60300000	601	758	60250000	-0.13887	0.040726	0
chr8	60250001	60350000	599	778	60300000	-0.18125	0.011641	0
chr8	60500001	60600000	646	826	60550000	-0.15864	0.023386	0
chr8	60700001	60800000	559	703	60750000	-0.13471	0.045463	0
chr8	60950001	61050000	649	844	6.10E+07	-0.18306	0.010976	0
chr8	61000001	61100000	604	772	61050000	-0.15809	0.02377	0
chr8	62550001	62650000	1025	1034	62600000	0.183351	0.010319	0
chr8	63250001	63350000	710	905	63300000	-0.15414	0.02666	0
chr8	63350001	63450000	720	914	63400000	-0.14823	0.03152	0
chr8	63400001	63500000	661	854	63450000	-0.17362	0.014843	0
chr8	63500001	63600000	714	906	63550000	-0.14762	0.032062	0
chr8	63900001	64000000	782	813	63950000	0.139876	0.038664	0
chr8	64300001	64400000	650	844	64350000	-0.18084	0.011797	0
chr8	64800001	64900000	612	780	64850000	-0.15398	0.02678	0
chr8	65000001	65100000	548	695	65050000	-0.14687	0.032738	0
chr8	65600001	65700000	635	801	65650000	-0.13908	0.040494	0
chr8	65850001	65950000	604	758	65900000	-0.13169	0.049187	0
chr8	66450001	66550000	758	788	66500000	0.139965	0.03857	0

chr8	66500001	66600000	742	754	66550000	0.172818	0.014561	0
chr8	67900001	68000000	836	869	67950000	0.14011	0.038418	0
chr8	67950001	68050000	850	869	6.80E+07	0.16407	0.019152	0
chr8	68050001	68150000	808	819	68100000	0.176455	0.012951	0
chr8	68700001	68800000	650	830	68750000	-0.15671	0.024748	0
chr8	70450001	70550000	617	775	70500000	-0.13296	0.047588	0
chr8	70650001	70750000	606	771	70700000	-0.15145	0.028788	0
chr8	71000001	71100000	788	822	71050000	0.13502	0.044087	0
chr8	71850001	71950000	608	769	71900000	-0.14295	0.036476	0
chr8	71900001	72000000	675	865	71950000	-0.16185	0.021272	0
chr8	72400001	72500000	626	805	72450000	-0.16686	0.018291	0
chr8	73050001	73150000	616	787	73100000	-0.15747	0.024204	0
chr8	73100001	73200000	647	813	73150000	-0.13353	0.046895	0
chr8	73700001	73800000	647	821	73750000	-0.14765	0.032035	0
chr8	74100001	74200000	665	840	74150000	-0.14107	0.038384	0
chr8	74600001	74700000	823	860	74650000	0.132519	0.047111	0
chr8	75450001	75550000	555	697	75500000	-0.13271	0.047904	0
chr8	76050001	76150000	538	700	76100000	-0.18379	0.01072	0
chr8	76200001	76300000	497	627	76250000	-0.13926	0.040306	0
chr8	76450001	76550000	502	642	76500000	-0.15892	0.023196	0
chr8	77150001	77250000	543	682	77200000	-0.13286	0.047719	0
chr8	77350001	77450000	580	738	77400000	-0.1516	0.028661	0
chr8	78100001	78200000	565	710	78150000	-0.13361	0.046799	0
chr8	78150001	78250000	558	727	78200000	-0.18573	0.010058	0
chr8	78200001	78300000	513	651	78250000	-0.14774	0.031962	0
chr8	78300001	78400000	573	739	78350000	-0.17108	0.01607	0
chr8	78600001	78700000	584	749	78650000	-0.16303	0.020532	0
chr8	78950001	79050000	607	770	7.90E+07	-0.1472	0.032444	0
chr8	79850001	79950000	620	802	79900000	-0.17537	0.014049	0
chr8	80000001	80100000	575	734	80050000	-0.15626	0.025076	0
chr8	80150001	80250000	649	815	80200000	-0.13262	0.048015	0
chr8	80300001	80400000	685	876	80350000	-0.15886	0.023236	0
chr8	80650001	80750000	883	909	80700000	0.154096	0.025839	0
chr8	81350001	81450000	782	812	81400000	0.141652	0.036823	0
chr8	81850001	81950000	692	885	81900000	-0.15894	0.023183	0
chr8	82050001	82150000	604	787	82100000	-0.18585	0.010017	0
chr8	82100001	82200000	655	844	82150000	-0.16979	0.016724	0
chr8	82850001	82950000	633	817	82900000	-0.17217	0.015534	0
chr8	82900001	83000000	643	835	82950000	-0.18099	0.011738	0
chr8	83350001	83450000	543	707	83400000	-0.18479	0.010371	0
chr8	83800001	83900000	544	697	83850000	-0.16159	0.021437	0
chr8	83900001	84000000	571	725	83950000	-0.14853	0.031262	0
chr8	83950001	84050000	574	741	8.40E+07	-0.17246	0.015393	0
chr8	84050001	84150000	572	739	84100000	-0.1736	0.014855	0
chr8	84100001	84200000	528	677	84150000	-0.16265	0.020767	0
chr8	84500001	84600000	511	661	84550000	-0.17536	0.014052	0
chr8	84550001	84650000	539	699	84600000	-0.17904	0.012499	0

chr8	84750001	84850000	496	629	84800000	-0.14676	0.032845	0
chr8	84900001	85000000	517	656	84950000	-0.14757	0.032111	0
chr8	84950001	85050000	515	670	8.50E+07	-0.18363	0.010776	0
chr8	85400001	85500000	565	734	85450000	-0.18157	0.011523	0
chr8	85850001	85950000	469	597	85900000	-0.15218	0.028196	0
chr8	86050001	86150000	729	737	86100000	0.180217	0.011451	0
chr8	86150001	86250000	643	829	86200000	-0.17059	0.016313	0
chr8	86200001	86300000	610	792	86250000	-0.18073	0.01184	0
chr8	86750001	86850000	68	88	86800000	-0.17601	0.013769	0
chr8	86950001	87050000	667	838	8.70E+07	-0.1333	0.047172	0
chr8	87900001	88000000	548	695	87950000	-0.14687	0.032738	0
chr8	87950001	88050000	531	680	8.80E+07	-0.16086	0.021907	0
chr8	88000001	88100000	582	753	88050000	-0.17567	0.013918	0
chr8	88300001	88400000	463	595	88350000	-0.16591	0.018826	0
chr8	88650001	88750000	530	684	88700000	-0.17204	0.015595	0
chr8	89050001	89150000	590	765	89100000	-0.17878	0.012604	0
chr8	89200001	89300000	596	763	89250000	-0.16041	0.022202	0
chr8	90300001	90400000	537	685	90350000	-0.15522	0.025841	0
chr8	90800001	90900000	685	888	90850000	-0.17849	0.012722	0
chr8	91400001	91500000	582	734	91450000	-0.1388	0.040804	0
chr8	91450001	91550000	628	811	91500000	-0.17297	0.015147	0
chr8	91500001	91600000	672	863	91550000	-0.16494	0.019391	0
chr8	91550001	91650000	691	888	91600000	-0.16591	0.018828	0
chr8	91750001	91850000	660	846	91800000	-0.16223	0.021033	0
chr8	92250001	92350000	673	850	92300000	-0.14089	0.03857	0
chr8	92700001	92800000	571	723	92750000	-0.14454	0.034919	0
chr8	92750001	92850000	550	704	92800000	-0.16018	0.022351	0
chr8	93100001	93200000	636	800	93150000	-0.13501	0.045111	0
chr8	93300001	93400000	476	602	93350000	-0.14284	0.036586	0
chr8	93600001	93700000	648	823	93650000	-0.14894	0.030906	0
chr8	93800001	93900000	638	816	93850000	-0.15905	0.02311	0
chr8	93900001	94000000	644	820	93950000	-0.1526	0.02786	0
chr8	94000001	94100000	678	691	94050000	0.168563	0.01666	0
chr8	94300001	94400000	708	899	94350000	-0.14861	0.031191	0
chr8	94950001	95050000	648	843	9.50E+07	-0.18358	0.010794	0
chr8	95000001	95100000	729	948	95050000	-0.18301	0.010996	0
chr8	95850001	95950000	903	941	95900000	0.136494	0.042379	0
chr8	95950001	96050000	973	1016	9.60E+07	0.133574	0.045815	0
chr8	96700001	96800000	687	876	96750000	-0.15466	0.026263	0
chr8	96900001	97000000	669	858	96950000	-0.16301	0.020548	0
chr8	97250001	97350000	907	944	97300000	0.138279	0.040385	0
chr8	97650001	97750000	713	906	97700000	-0.14965	0.030295	0
chr8	97700001	97800000	607	785	97750000	-0.17503	0.014199	0
chr8	98650001	98750000	814	823	98700000	0.180099	0.011496	0
chr8	98700001	98800000	742	754	98750000	0.172818	0.014561	0
chr8	1.02E+08	1.02E+08	1011	1030	1.02E+08	0.169102	0.01638	0
chr8	1.03E+08	1.03E+08	868	898	1.03E+08	0.146943	0.031757	0

chr8	1.03E+08	1.03E+08	861	869	1.03E+08	0.18262	0.010574	0
chr8	1.04E+08	1.05E+08	733	924	1.05E+08	-0.13812	0.041553	0
chr8	1.05E+08	1.05E+08	689	877	1.05E+08	-0.15211	0.028252	0
chr8	1.05E+08	1.05E+08	600	756	1.05E+08	-0.13746	0.042285	0
chr8	1.05E+08	1.05E+08	534	692	1.05E+08	-0.17797	0.012936	0
chr8	1.06E+08	1.06E+08	668	838	1.06E+08	-0.13114	0.049885	0
chr8	1.06E+08	1.06E+08	630	820	1.06E+08	-0.18431	0.010538	0
chr8	1.06E+08	1.06E+08	657	831	1.06E+08	-0.14299	0.036433	0
chr8	1.06E+08	1.06E+08	650	826	1.06E+08	-0.14974	0.030215	0
chr8	1.06E+08	1.06E+08	595	769	1.06E+08	-0.17413	0.014608	0
chr8	1.06E+08	1.06E+08	600	763	1.06E+08	-0.15076	0.029359	0
chr8	1.06E+08	1.06E+08	611	767	1.06E+08	-0.13209	0.048675	0
chr8	1.06E+08	1.06E+08	586	758	1.06E+08	-0.17533	0.014065	0
chr8	1.06E+08	1.07E+08	652	819	1.07E+08	-0.13303	0.047506	0
chr8	1.07E+08	1.07E+08	648	818	1.07E+08	-0.14014	0.039357	0
chr8	1.08E+08	1.08E+08	645	833	1.08E+08	-0.17305	0.01511	0
chr8	1.08E+08	1.08E+08	646	812	1.08E+08	-0.13398	0.046341	0
chr8	1.08E+08	1.08E+08	653	831	1.08E+08	-0.1518	0.028501	0
chr8	1.09E+08	1.09E+08	608	768	1.09E+08	-0.14107	0.038384	0
chr8	1.09E+08	1.09E+08	672	858	1.09E+08	-0.15655	0.02486	0
chr8	1.09E+08	1.09E+08	679	872	1.09E+08	-0.16495	0.019381	0
chr8	1.1E+08	1.1E+08	707	724	1.1E+08	0.161684	0.020601	0
chr8	1.1E+08	1.1E+08	682	872	1.1E+08	-0.15859	0.023421	0
chr8	1.1E+08	1.1E+08	636	801	1.1E+08	-0.13681	0.043018	0
chr8	1.11E+08	1.11E+08	568	724	1.11E+08	-0.15414	0.02666	0
chr8	1.11E+08	1.11E+08	556	710	1.11E+08	-0.15677	0.024703	0
chr8	1.11E+08	1.12E+08	581	747	1.12E+08	-0.16661	0.018434	0
chr8	1.12E+08	1.12E+08	585	750	1.12E+08	-0.16249	0.020869	0
chr8	1.12E+08	1.12E+08	522	665	1.12E+08	-0.15334	0.027275	0
chr8	1.12E+08	1.13E+08	562	719	1.13E+08	-0.15946	0.022833	0
chr8	1.13E+08	1.13E+08	544	691	1.13E+08	-0.14912	0.03075	0
chr8	1.13E+08	1.13E+08	576	737	1.13E+08	-0.15963	0.022716	0
chr8	1.14E+08	1.14E+08	531	676	1.14E+08	-0.15235	0.028061	0
chr8	1.14E+08	1.14E+08	570	734	1.14E+08	-0.16886	0.01721	0
chr8	1.14E+08	1.14E+08	591	754	1.14E+08	-0.15544	0.025673	0
chr8	1.14E+08	1.14E+08	562	708	1.14E+08	-0.13722	0.04256	0
chr8	1.14E+08	1.14E+08	585	751	1.14E+08	-0.16441	0.019699	0
chr8	1.15E+08	1.15E+08	493	628	1.15E+08	-0.15321	0.027375	0
chr8	1.15E+08	1.15E+08	530	681	1.15E+08	-0.1657	0.018949	0
chr8	1.15E+08	1.15E+08	577	726	1.15E+08	-0.13544	0.04461	0
chr8	1.15E+08	1.15E+08	578	740	1.15E+08	-0.16049	0.022146	0
chr8	1.15E+08	1.15E+08	539	698	1.15E+08	-0.17698	0.013351	0
chr8	1.15E+08	1.15E+08	553	695	1.15E+08	-0.13377	0.046598	0
chr8	1.15E+08	1.15E+08	543	682	1.15E+08	-0.13286	0.047719	0
chr8	1.15E+08	1.15E+08	526	661	1.15E+08	-0.13362	0.046775	0
chr8	1.15E+08	1.15E+08	491	636	1.15E+08	-0.17734	0.013198	0
chr8	1.15E+08	1.15E+08	517	661	1.15E+08	-0.15852	0.02347	0

chr8	1.15E+08	1.15E+08	591	743	1.15E+08	-0.13424	0.046029	0
chr8	1.15E+08	1.16E+08	571	720	1.16E+08	-0.13854	0.041083	0
chr8	1.16E+08	1.16E+08	542	695	1.16E+08	-0.16276	0.020703	0
chr8	1.16E+08	1.16E+08	539	694	1.16E+08	-0.16869	0.017299	0
chr8	1.16E+08	1.16E+08	649	834	1.16E+08	-0.16587	0.018853	0
chr8	1.16E+08	1.16E+08	611	786	1.16E+08	-0.16739	0.017997	0
chr8	1.17E+08	1.17E+08	668	838	1.17E+08	-0.13114	0.049885	0
chr8	1.17E+08	1.17E+08	646	815	1.17E+08	-0.1393	0.040256	0
chr8	1.17E+08	1.17E+08	648	829	1.17E+08	-0.15942	0.022862	0
chr8	1.17E+08	1.17E+08	678	854	1.17E+08	-0.13699	0.042818	0
chr8	1.17E+08	1.18E+08	702	906	1.17E+08	-0.17208	0.015577	0
chr8	1.18E+08	1.18E+08	805	1048	1.18E+08	-0.18461	0.010432	0
chr8	1.18E+08	1.19E+08	661	851	1.18E+08	-0.16855	0.017374	0
chr8	1.19E+08	1.19E+08	727	938	1.19E+08	-0.17167	0.015776	0
chr8	1.19E+08	1.19E+08	761	955	1.19E+08	-0.13164	0.049244	0
chr8	1.22E+08	1.22E+08	716	908	1.22E+08	-0.14677	0.032833	0
chr8	1.23E+08	1.23E+08	885	918	1.23E+08	0.143146	0.035329	0
chr8	1.23E+08	1.23E+08	875	893	1.23E+08	0.166586	0.01772	0
chr8	1.24E+08	1.24E+08	754	963	1.24E+08	-0.15701	0.024533	0
chr8	1.24E+08	1.24E+08	987	1023	1.24E+08	0.144279	0.03423	0
chr8	1.24E+08	1.24E+08	934	975	1.24E+08	0.133983	0.045321	0
chr8	1.24E+08	1.24E+08	848	869	1.24E+08	0.160671	0.021243	0
chr8	1.24E+08	1.24E+08	825	839	1.24E+08	0.171686	0.015095	0
chr8	1.24E+08	1.25E+08	915	947	1.25E+08	0.14637	0.032276	0
chr8	1.25E+08	1.25E+08	1013	1044	1.25E+08	0.152475	0.027091	0
chr8	1.26E+08	1.26E+08	776	974	1.26E+08	-0.1319	0.048913	0
chr8	1.26E+08	1.26E+08	761	955	1.26E+08	-0.13164	0.049244	0
chr8	1.27E+08	1.27E+08	803	1031	1.27E+08	-0.16461	0.019583	0
chr8	1.27E+08	1.27E+08	793	998	1.27E+08	-0.13576	0.044235	0
chr8	1.28E+08	1.28E+08	2210	2304	1.28E+08	0.135869	0.043097	0
chr8	1.29E+08	1.29E+08	1615	1671	1.29E+08	0.146785	0.031899	0
chr8	1.29E+08	1.3E+08	963	1211	1.3E+08	-0.13463	0.045565	0
chr8	1.3E+08	1.3E+08	749	958	1.3E+08	-0.1591	0.023077	0
chr8	1.3E+08	1.3E+08	935	1195	1.3E+08	-0.15801	0.023826	0
chr8	1.3E+08	1.3E+08	937	1198	1.3E+08	-0.15854	0.023455	0
chr8	1.31E+08	1.31E+08	961	1212	1.31E+08	-0.13882	0.040782	0
chr8	1.31E+08	1.31E+08	990	1277	1.31E+08	-0.1713	0.015961	0
chr8	1.31E+08	1.31E+08	989	1267	1.31E+08	-0.16141	0.021551	0
chr8	1.31E+08	1.31E+08	1201	1253	1.31E+08	0.134813	0.044331	0
chr8	1.32E+08	1.32E+08	933	1176	1.32E+08	-0.13798	0.041709	0
chr8	1.32E+08	1.32E+08	954	1211	1.32E+08	-0.14817	0.031572	0
chr8	1.32E+08	1.32E+08	821	1056	1.32E+08	-0.16719	0.018108	0
chr8	1.32E+08	1.32E+08	724	916	1.32E+08	-0.14339	0.036035	0
chr8	1.33E+08	1.33E+08	810	1019	1.33E+08	-0.1352	0.04489	0
chr8	1.33E+08	1.33E+08	811	1034	1.33E+08	-0.1545	0.026383	0
chr8	1.33E+08	1.34E+08	1002	1292	1.33E+08	-0.17076	0.016228	0
chr8	1.34E+08	1.34E+08	1191	1225	1.34E+08	0.155355	0.024899	0

chr8	1.34E+08	1.34E+08	1517	1571	1.34E+08	0.145501	0.033077	0
chr8	1.34E+08	1.34E+08	1458	1512	1.34E+08	0.143496	0.034987	0
chr8	1.35E+08	1.35E+08	1298	1356	1.35E+08	0.132896	0.046644	0
chr8	1.35E+08	1.35E+08	986	1239	1.35E+08	-0.13355	0.046862	0
chr8	1.35E+08	1.35E+08	886	1114	1.35E+08	-0.13441	0.045829	0
chr8	1.35E+08	1.35E+08	963	1211	1.35E+08	-0.13463	0.045565	0
chr8	1.35E+08	1.36E+08	1003	1296	1.35E+08	-0.17378	0.01477	0
chr8	1.36E+08	1.36E+08	948	1210	1.36E+08	-0.15609	0.0252	0
chr8	1.36E+08	1.36E+08	852	1094	1.36E+08	-0.16472	0.019515	0
chr8	1.36E+08	1.36E+08	846	1068	1.36E+08	-0.14022	0.039277	0
chr8	1.37E+08	1.37E+08	874	1103	1.37E+08	-0.13976	0.039761	0
chr8	1.38E+08	1.38E+08	761	984	1.38E+08	-0.1748	0.014304	0
chr8	1.38E+08	1.38E+08	640	819	1.38E+08	-0.15983	0.022585	0
chr8	1.38E+08	1.38E+08	657	841	1.38E+08	-0.16025	0.022306	0
chr8	1.38E+08	1.39E+08	795	1001	1.38E+08	-0.13645	0.04343	0
chr8	1.39E+08	1.39E+08	687	894	1.39E+08	-0.184	0.010644	0
chr8	1.39E+08	1.39E+08	744	935	1.39E+08	-0.1337	0.046683	0
chr8	1.39E+08	1.39E+08	861	1082	1.39E+08	-0.13365	0.046741	0
chr8	1.39E+08	1.39E+08	837	1071	1.39E+08	-0.1597	0.022674	0
chr8	1.39E+08	1.39E+08	805	1025	1.39E+08	-0.1526	0.02786	0
chr8	1.4E+08	1.4E+08	996	1259	1.4E+08	-0.1421	0.037332	0
chr8	1.4E+08	1.4E+08	899	1132	1.4E+08	-0.13652	0.043354	0
chr8	1.41E+08	1.42E+08	1185	1239	1.41E+08	0.131674	0.048169	0
chr8	1.42E+08	1.42E+08	1409	1452	1.42E+08	0.152593	0.026999	0
chr8	1.42E+08	1.42E+08	1403	1447	1.42E+08	0.151413	0.02794	0
chr8	1.42E+08	1.42E+08	1489	1532	1.42E+08	0.15489	0.025242	0
chr8	1.42E+08	1.42E+08	1570	1599	1.42E+08	0.169558	0.016147	0
chr8	1.42E+08	1.43E+08	1603	1657	1.42E+08	0.148164	0.030674	0
chr8	1.43E+08	1.43E+08	1652	1668	1.43E+08	0.182057	0.010774	0
chr8	1.43E+08	1.43E+08	339	430	1.43E+08	-0.14709	0.032544	0
chr8	1.44E+08	1.44E+08	1722	1764	1.44E+08	0.161198	0.020907	0
chr8	1.44E+08	1.44E+08	1664	1740	1.44E+08	0.131531	0.04835	0
chr8	1.44E+08	1.44E+08	1241	1279	1.44E+08	0.15245	0.027112	0
chr8	1.45E+08	1.45E+08	1089	1139	1.45E+08	0.131199	0.048772	0
chr8	1.46E+08	1.46E+08	1349	1369	1.46E+08	0.174731	0.013694	0
chr8	1.46E+08	1.46E+08	1192	1240	1.46E+08	0.139007	0.039593	0
chr8	1.46E+08	1.46E+08	1192	1222	1.46E+08	0.160103	0.021611	0
chr8	1.46E+08	1.46E+08	1057	1094	1.46E+08	0.146326	0.032317	0
chr8	1.46E+08	1.46E+08	499	510	1.46E+08	0.164506	0.018897	0
chr9	1	100000	20	13	50000	0.817451	3.32E-23	0
chr9	50001	150000	35	30	1.00E+05	0.418355	8.19E-08	0
chr9	100001	200000	29	28	150000	0.246589	0.000939	0
chr9	1150001	1250000	585	784	1200000	-0.22645	0.002353	0
chr9	2350001	2450000	666	870	2400000	-0.18953	0.008864	0
chr9	3100001	3200000	641	847	3150000	-0.20607	0.005004	0
chr9	8100001	8200000	626	840	8150000	-0.22826	0.002195	0
chr9	8150001	8250000	576	827	8200000	-0.32586	2.72E-05	0



chr9	8550001	8650000	639	838	8600000	-0.19517	0.007324	0
chr9	9550001	9650000	552	730	9600000	-0.20727	0.004795	0
chr9	9600001	9700000	556	740	9650000	-0.21648	0.003428	0
chr9	10300001	10400000	586	775	10350000	-0.20733	0.004784	0
chr9	10800001	10900000	560	746	10850000	-0.21779	0.003265	0
chr9	12250001	12350000	589	783	12300000	-0.21478	0.00365	0
chr9	21150001	21250000	434	572	21200000	-0.20236	0.005708	0
chr9	21500001	21600000	1031	1035	21550000	0.190377	0.008131	0
chr9	22750001	22850000	613	826	22800000	-0.23429	0.001735	0
chr9	24200001	24300000	539	703	24250000	-0.18728	0.009556	0
chr9	24250001	24350000	540	761	24300000	-0.29897	0.000103	0
chr9	24300001	24400000	536	812	24350000	-0.40328	3.53E-07	0
chr9	24550001	24650000	548	727	24600000	-0.21182	0.004068	0
chr9	24700001	24800000	544	715	24750000	-0.19837	0.006559	0
chr9	24750001	24850000	553	722	24800000	-0.18876	0.009097	0
chr9	25050001	25150000	495	652	25100000	-0.20148	0.005886	0
chr9	25100001	25200000	533	699	25150000	-0.19519	0.007318	0
chr9	25950001	26050000	558	737	2.60E+07	-0.20544	0.005119	0
chr9	26000001	26100000	589	787	26050000	-0.22213	0.002774	0
chr9	26350001	26450000	612	830	26400000	-0.24362	0.001194	0
chr9	26400001	26500000	605	811	26450000	-0.2268	0.002322	0
chr9	27900001	28000000	735	969	27950000	-0.20279	0.005622	0
chr9	28550001	28650000	560	748	28600000	-0.22165	0.002825	0
chr9	28600001	28700000	646	842	28650000	-0.18632	0.009862	0
chr9	29350001	29450000	626	822	29400000	-0.19701	0.006875	0
chr9	29950001	30050000	590	775	3.00E+07	-0.19752	0.006756	0
chr9	30000001	30100000	638	844	30050000	-0.20772	0.004717	0
chr9	30100001	30200000	525	740	30150000	-0.29924	0.000102	0
chr9	30150001	30250000	583	795	30200000	-0.2515	0.000863	0
chr9	30250001	30350000	588	786	30300000	-0.22275	0.00271	0
chr9	30450001	30550000	561	756	30500000	-0.23442	0.001726	0
chr9	30600001	30700000	568	812	30650000	-0.31963	3.73E-05	0
chr9	30850001	30950000	583	827	30900000	-0.30843	6.51E-05	0
chr9	30900001	31000000	581	814	30950000	-0.29053	0.000154	0
chr9	31100001	31200000	529	714	31150000	-0.23669	0.001577	0
chr9	31150001	31250000	513	694	31200000	-0.24001	0.001382	0
chr9	31750001	31850000	579	776	31800000	-0.22653	0.002346	0
chr9	31800001	31900000	576	775	31850000	-0.23216	0.001886	0
chr9	31900001	32000000	519	678	31950000	-0.18959	0.008847	0
chr9	31950001	32050000	520	741	3.20E+07	-0.315	4.70E-05	0
chr9	32000001	32100000	570	751	32050000	-0.20189	0.005803	0
chr9	33000001	33100000	911	916	33050000	0.188066	0.008801	0
chr9	33100001	33200000	1131	1118	33150000	0.212642	0.003648	0
chr9	33150001	33250000	1167	1155	33200000	0.210875	0.003898	0
chr9	33250001	33350000	1036	1024	33300000	0.212771	0.00363	0
chr9	33300001	33400000	908	880	33350000	0.241152	0.00118	0
chr9	33400001	33500000	911	913	33450000	0.192799	0.007477	0

chr9	33450001	33550000	582	542	33500000	0.298689	8.50E-05	0
chr9	35450001	35550000	999	987	35500000	0.213398	0.003546	0
chr9	35500001	35600000	1028	960	35550000	0.294697	0.000104	0
chr9	35550001	35650000	951	933	35600000	0.223531	0.002403	0
chr9	35600001	35700000	1041	1010	35650000	0.239578	0.001259	0
chr9	36100001	36200000	995	997	36150000	0.193066	0.007408	0
chr9	38000001	38100000	1163	1115	38050000	0.25677	0.000605	0
chr9	38800001	38900000	19	15	38850000	0.537	1.32E-11	0
chr9	38850001	38950000	5	3	38900000	0.932929	8.75E-29	0
chr9	38950001	39050000	28	27	3.90E+07	0.24843	0.000868	0
chr9	39050001	39150000	46	80	39100000	-0.6024	2.26E-13	0
chr9	39100001	39200000	53	82	39150000	-0.43367	5.29E-08	0
chr9	39200001	39300000	4	4	39250000	0.195963	0.006694	0
chr9	39250001	39350000	3	1	39300000	1.780926	4.68E-73	0
chr9	39300001	39400000	1	1	39350000	0.195963	0.006694	0
chr9	39350001	39450000	0	2	39400000	#NAME?	3.67E-137	0
chr9	39400001	39500000	1	2	39450000	-0.80404	3.29E-21	0
chr9	39450001	39550000	1	1	39500000	0.195963	0.006694	0
chr9	39500001	39600000	1	2	39550000	-0.80404	3.29E-21	0
chr9	39550001	39650000	1	2	39600000	-0.80404	3.29E-21	0
chr9	39650001	39750000	1	3	39700000	-1.389	6.26E-48	0
chr9	39700001	39800000	2	6	39750000	-1.389	6.26E-48	0
chr9	39750001	39850000	2	4	39800000	-0.80404	3.29E-21	0
chr9	39800001	39900000	1	1	39850000	0.195963	0.006694	0
chr9	40050001	40150000	1	3	40100000	-1.389	6.26E-48	0
chr9	40100001	40200000	4	4	40150000	0.195963	0.006694	0
chr9	40150001	40250000	4	2	40200000	1.195963	1.84E-42	0
chr9	40500001	40600000	5	5	40550000	0.195963	0.006694	0
chr9	40550001	40650000	8	8	40600000	0.195963	0.006694	0
chr9	40600001	40700000	7	6	40650000	0.418355	8.19E-08	0
chr9	40650001	40750000	6	3	40700000	1.195963	1.84E-42	0
chr9	40750001	40850000	9	14	40800000	-0.44147	3.19E-08	0
chr9	40800001	40900000	3	3	40850000	0.195963	0.006694	0
chr9	40850001	40950000	1	1	40900000	0.195963	0.006694	0
chr9	40900001	41000000	0	1	40950000	#NAME?	3.67E-137	0
chr9	41050001	41150000	1	1	41100000	0.195963	0.006694	0
chr9	41100001	41200000	1	1	41150000	0.195963	0.006694	0
chr9	41150001	41250000	1	8	41200000	-2.80404	1.48E-99	0
chr9	41200001	41300000	4	13	41250000	-1.50448	3.03E-53	0
chr9	41250001	41350000	4	6	41300000	-0.389	8.31E-07	0
chr9	41300001	41400000	1	1	41350000	0.195963	0.006694	0
chr9	41650001	41750000	1	1	41700000	0.195963	0.006694	0
chr9	41700001	41800000	2	1	41750000	1.195963	1.84E-42	0
chr9	41800001	41900000	1	3	41850000	-1.389	6.26E-48	0
chr9	41850001	41950000	2	7	41900000	-1.61139	4.72E-58	0
chr9	41900001	42000000	22	19	41950000	0.407467	1.67E-07	0
chr9	41950001	42050000	21	16	4.20E+07	0.58828	1.79E-13	0

chr9	42000001	42100000	1	1	42050000	0.195963	0.006694	0
chr9	42050001	42150000	0	1	42100000	#NAME?	3.67E-137	0
chr9	42100001	42200000	3	4	42150000	-0.21907	0.003112	0
chr9	42150001	42250000	4	6	42200000	-0.389	8.31E-07	0
chr9	42200001	42300000	3	3	42250000	0.195963	0.006694	0
chr9	42250001	42350000	2	1	42300000	1.195963	1.84E-42	0
chr9	42300001	42400000	1	3	42350000	-1.389	6.26E-48	0
chr9	42350001	42450000	5	5	42400000	0.195963	0.006694	0
chr9	42400001	42500000	4	9	42450000	-0.97396	1.25E-28	0
chr9	42450001	42550000	3	6	42500000	-0.80404	3.29E-21	0
chr9	42500001	42600000	4	2	42550000	1.195963	1.84E-42	0
chr9	42550001	42650000	1	2	42600000	-0.80404	3.29E-21	0
chr9	42800001	42900000	2	3	42850000	-0.389	8.31E-07	0
chr9	42900001	43000000	3	6	42950000	-0.80404	3.29E-21	0
chr9	42950001	43050000	2	5	4.30E+07	-1.12597	1.27E-35	0
chr9	43000001	43100000	1	2	43050000	-0.80404	3.29E-21	0
chr9	43050001	43150000	3	2	43100000	0.780926	1.60E-21	0
chr9	43100001	43200000	8	3	43150000	1.611001	1.67E-64	0
chr9	43150001	43250000	5	2	43200000	1.517891	1.18E-59	0
chr9	43250001	43350000	3	1	43300000	1.780926	4.68E-73	0
chr9	43300001	43400000	4	6	43350000	-0.389	8.31E-07	0
chr9	43350001	43450000	2	7	43400000	-1.61139	4.72E-58	0
chr9	43400001	43500000	4	6	43450000	-0.389	8.31E-07	0
chr9	43450001	43550000	22	17	43500000	0.567932	1.02E-12	0
chr9	43500001	43600000	20	14	43550000	0.710536	2.09E-18	0
chr9	43600001	43700000	30	47	43650000	-0.45174	1.62E-08	0
chr9	43650001	43750000	22	37	43700000	-0.55406	1.05E-11	0
chr9	43700001	43800000	8	8	43750000	0.195963	0.006694	0
chr9	43850001	43950000	10	8	43900000	0.517891	6.05E-11	0
chr9	43900001	44000000	3	2	43950000	0.780926	1.60E-21	0
chr9	44000001	44100000	29	38	44050000	-0.19398	0.007627	0
chr9	44300001	44400000	3	5	44350000	-0.541	2.84E-11	0
chr9	44700001	44800000	24	38	44750000	-0.467	5.83E-09	0
chr9	44750001	44850000	32	48	44800000	-0.389	8.31E-07	0
chr9	44900001	45000000	16	23	44950000	-0.3276	2.48E-05	0
chr9	44950001	45050000	10	15	4.50E+07	-0.389	8.31E-07	0
chr9	45000001	45100000	0	6	45050000	#NAME?	3.67E-137	0
chr9	45050001	45150000	2	6	45100000	-1.389	6.26E-48	0
chr9	45100001	45200000	2	3	45150000	-0.389	8.31E-07	0
chr9	45300001	45400000	11	22	45350000	-0.80404	3.29E-21	0
chr9	45350001	45450000	20	36	45400000	-0.65203	3.56E-15	0
chr9	45400001	45500000	14	20	45450000	-0.31861	3.93E-05	0
chr9	45450001	45550000	6	6	45500000	0.195963	0.006694	0
chr9	45500001	45600000	1	1	45550000	0.195963	0.006694	0
chr9	45550001	45650000	1	1	45600000	0.195963	0.006694	0
chr9	45600001	45700000	3	2	45650000	0.780926	1.60E-21	0
chr9	45750001	45850000	2	4	45800000	-0.80404	3.29E-21	0

chr9	45800001	45900000	1	2	45850000	-0.80404	3.29E-21	0
chr9	46250001	46350000	3	4	46300000	-0.21907	0.003112	0
chr9	46350001	46450000	3	3	46400000	0.195963	0.006694	0
chr9	46400001	46500000	0	1	46450000	#NAME?	3.67E-137	0
chr9	46800001	46900000	2	3	46850000	-0.389	8.31E-07	0
chr9	46850001	46950000	4	4	46900000	0.195963	0.006694	0
chr9	46900001	47000000	2	1	46950000	1.195963	1.84E-42	0
chr9	47150001	47250000	41	30	47200000	0.646624	9.54E-16	0
chr9	47200001	47300000	26	13	47250000	1.195963	1.84E-42	0
chr9	65500001	65600000	2	3	65550000	-0.389	8.31E-07	0
chr9	65550001	65650000	9	12	65600000	-0.21907	0.003112	0
chr9	65650001	65750000	0	1	65700000	#NAME?	3.67E-137	0
chr9	65700001	65800000	2	1	65750000	1.195963	1.84E-42	0
chr9	65750001	65850000	2	1	65800000	1.195963	1.84E-42	0
chr9	65800001	65900000	0	1	65850000	#NAME?	3.67E-137	0
chr9	65950001	66050000	2	1	6.60E+07	1.195963	1.84E-42	0
chr9	66000001	66100000	3	1	66050000	1.780926	4.68E-73	0
chr9	66200001	66300000	8	12	66250000	-0.389	8.31E-07	0
chr9	66300001	66400000	12	11	66350000	0.321494	2.63E-05	0
chr9	66550001	66650000	2	1	66600000	1.195963	1.84E-42	0
chr9	66600001	66700000	0	2	66650000	#NAME?	3.67E-137	0
chr9	66800001	66900000	457	619	66850000	-0.24178	0.001287	0
chr9	66850001	66950000	152	233	66900000	-0.4203	1.24E-07	0
chr9	66900001	67000000	4	13	66950000	-1.50448	3.03E-53	0
chr9	66950001	67050000	4	12	6.70E+07	-1.389	6.26E-48	0
chr9	67000001	67100000	0	1	67050000	#NAME?	3.67E-137	0
chr9	67150001	67250000	1	2	67200000	-0.80404	3.29E-21	0
chr9	67200001	67300000	4	4	67250000	0.195963	0.006694	0
chr9	67350001	67450000	4	2	67400000	1.195963	1.84E-42	0
chr9	67450001	67550000	1	1	67500000	0.195963	0.006694	0
chr9	67500001	67600000	1	1	67550000	0.195963	0.006694	0
chr9	67650001	67750000	5	7	67700000	-0.28946	0.000161	0
chr9	67700001	67800000	4	6	67750000	-0.389	8.31E-07	0
chr9	67750001	67850000	5	8	67800000	-0.48211	2.06E-09	0
chr9	68050001	68150000	3	4	68100000	-0.21907	0.003112	0
chr9	68100001	68200000	11	17	68150000	-0.43207	5.86E-08	0
chr9	68150001	68250000	18	29	68200000	-0.49209	1.02E-09	0
chr9	68250001	68350000	57	54	68300000	0.273966	0.000279	0
chr9	68450001	68550000	101	135	68500000	-0.22264	0.002721	0
chr9	68500001	68600000	21	34	68550000	-0.49918	6.17E-10	0
chr9	68700001	68800000	12	9	68750000	0.611001	2.44E-14	0
chr9	68750001	68850000	5	7	68800000	-0.28946	0.000161	0
chr9	68800001	68900000	1	7	68850000	-2.61139	1.81E-94	0
chr9	68900001	69000000	84	78	68950000	0.302878	6.89E-05	0
chr9	69050001	69150000	10	10	69100000	0.195963	0.006694	0
chr9	69100001	69200000	18	16	69150000	0.365888	2.19E-06	0
chr9	69150001	69250000	16	14	69200000	0.388608	5.52E-07	0

chr9	69250001	69350000	3	7	69300000	-1.02643	5.11E-31	0
chr9	69300001	69400000	3	10	69350000	-1.541	6.69E-55	0
chr9	69350001	69450000	11	19	69400000	-0.59253	5.04E-13	0
chr9	69400001	69500000	16	24	69450000	-0.389	8.31E-07	0
chr9	69450001	69550000	13	25	69500000	-0.74745	6.98E-19	0
chr9	69500001	69600000	11	19	69550000	-0.59253	5.04E-13	0
chr9	69600001	69700000	4	4	69650000	0.195963	0.006694	0
chr9	69650001	69750000	2	4	69700000	-0.80404	3.29E-21	0
chr9	69700001	69800000	7	15	69750000	-0.90357	1.73E-25	0
chr9	69750001	69850000	80	114	69800000	-0.315	4.70E-05	0
chr9	69800001	69900000	77	108	69850000	-0.29214	0.000142	0
chr9	69850001	69950000	5	13	69900000	-1.18255	2.87E-38	0
chr9	70050001	70150000	2	4	70100000	-0.80404	3.29E-21	0
chr9	70100001	70200000	6	11	70150000	-0.67851	3.57E-16	0
chr9	70150001	70250000	4	7	70200000	-0.61139	1.08E-13	0
chr9	70550001	70650000	9	9	70600000	0.195963	0.006694	0
chr9	70600001	70700000	11	8	70650000	0.655395	4.21E-16	0
chr9	70650001	70750000	6	4	70700000	0.780926	1.60E-21	0
chr9	70750001	70850000	3	9	70800000	-1.389	6.26E-48	0
chr9	70800001	70900000	7	14	70850000	-0.80404	3.29E-21	0
chr9	70850001	70950000	9	9	70900000	0.195963	0.006694	0
chr9	70900001	71000000	23	22	70950000	0.260093	0.000523	0
chr9	70950001	71050000	117	176	7.10E+07	-0.3931	6.52E-07	0
chr9	71450001	71550000	508	665	71500000	-0.19256	0.008004	0
chr9	73000001	73100000	643	648	73050000	0.184788	0.009834	0
chr9	74100001	74200000	553	735	74150000	-0.2145	0.003687	0
chr9	74150001	74250000	488	677	74200000	-0.27631	0.000295	0
chr9	74750001	74850000	681	659	74800000	0.243339	0.001077	0
chr9	74900001	75000000	592	593	74950000	0.193528	0.00729	0
chr9	75800001	75900000	518	678	75850000	-0.19237	0.008056	0
chr9	76750001	76850000	379	535	76800000	-0.30138	9.18E-05	0
chr9	76800001	76900000	398	538	76850000	-0.23887	0.001446	0
chr9	77400001	77500000	444	579	77450000	-0.18704	0.009631	0
chr9	77900001	78000000	328	454	77950000	-0.27303	0.000341	0
chr9	77950001	78050000	379	538	7.80E+07	-0.30945	6.19E-05	0
chr9	78100001	78200000	415	565	78150000	-0.24918	0.000951	0
chr9	78150001	78250000	386	530	78200000	-0.26143	0.000567	0
chr9	78200001	78300000	396	548	78250000	-0.27271	0.000346	0
chr9	78250001	78350000	409	556	78300000	-0.24702	0.001039	0
chr9	78300001	78400000	365	500	78350000	-0.25807	0.000655	0
chr9	78500001	78600000	459	606	78550000	-0.20486	0.005225	0
chr9	80000001	80100000	519	505	80050000	0.235414	0.001494	0
chr9	81200001	81300000	427	564	81250000	-0.2055	0.005108	0
chr9	81250001	81350000	403	561	81300000	-0.28126	0.000236	0
chr9	81950001	82050000	447	599	8.20E+07	-0.22632	0.002365	0
chr9	82000001	82100000	417	571	82050000	-0.25748	0.000671	0
chr9	82950001	83050000	408	547	8.30E+07	-0.22701	0.002303	0

chr9	83300001	83400000	365	506	83350000	-0.27528	0.000309	0
chr9	83350001	83450000	364	484	83400000	-0.21511	0.003606	0
chr9	84000001	84100000	394	515	84050000	-0.19041	0.008606	0
chr9	84550001	84650000	348	461	84600000	-0.20972	0.00439	0
chr9	84700001	84800000	410	575	84750000	-0.29198	0.000144	0
chr9	84750001	84850000	398	535	84800000	-0.23081	0.001989	0
chr9	85250001	85350000	423	569	85300000	-0.23181	0.001912	0
chr9	85450001	85550000	419	556	85500000	-0.21217	0.004016	0
chr9	85500001	85600000	416	574	85550000	-0.2685	0.000417	0
chr9	85750001	85850000	408	554	85800000	-0.24535	0.001113	0
chr9	85800001	85900000	420	563	85850000	-0.22678	0.002324	0
chr9	85850001	85950000	466	620	85900000	-0.21598	0.003492	0
chr9	86400001	86500000	243	234	86450000	0.250411	0.000797	0
chr9	86450001	86550000	228	210	86500000	0.314608	3.78E-05	0
chr9	87100001	87200000	430	578	87150000	-0.23077	0.001991	0
chr9	87250001	87350000	438	575	87300000	-0.19667	0.006957	0
chr9	87400001	87500000	444	581	87450000	-0.19202	0.008154	0
chr9	87450001	87550000	430	568	87500000	-0.20559	0.005091	0
chr9	87800001	87900000	443	587	87850000	-0.21009	0.004331	0
chr9	87850001	87950000	445	580	87900000	-0.18628	0.009875	0
chr9	88350001	88450000	191	182	88400000	0.265597	0.000409	0
chr9	89950001	90050000	579	559	9.00E+07	0.246678	0.000935	0
chr9	90700001	90800000	336	439	90750000	-0.1898	0.008786	0
chr9	92350001	92450000	32	51	92400000	-0.47646	3.05E-09	0
chr9	92400001	92500000	306	447	92450000	-0.35078	7.27E-06	0
chr9	92450001	92550000	452	624	92500000	-0.26926	0.000403	0
chr9	92600001	92700000	151	146	92650000	0.244543	0.001023	0
chr9	92900001	93000000	336	337	92950000	0.191676	0.007774	0
chr9	94500001	94600000	1001	1003	94550000	0.193083	0.007404	0
chr9	94550001	94650000	1044	1032	94600000	0.212642	0.003648	0
chr9	94850001	94950000	761	732	94900000	0.252016	0.000744	0
chr9	95800001	95900000	1118	1126	95850000	0.185676	0.009544	0
chr9	95850001	95950000	1134	1120	95900000	0.213885	0.003481	0
chr9	99600001	99700000	541	544	99650000	0.187985	0.008825	0
chr9	1E+08	1E+08	986	983	1E+08	0.200359	0.005726	0
chr9	1.01E+08	1.01E+08	993	1001	1.01E+08	0.184387	0.009967	0
chr9	1.02E+08	1.02E+08	834	1087	1.02E+08	-0.18627	0.009879	0
chr9	1.07E+08	1.07E+08	616	830	1.07E+08	-0.23422	0.00174	0
chr9	1.08E+08	1.08E+08	758	1007	1.08E+08	-0.21383	0.003779	0
chr9	1.08E+08	1.08E+08	677	933	1.08E+08	-0.26676	0.00045	0
chr9	1.09E+08	1.09E+08	660	885	1.09E+08	-0.22725	0.002282	0
chr9	1.16E+08	1.16E+08	995	982	1.16E+08	0.214937	0.003345	0
chr9	1.16E+08	1.16E+08	1092	1092	1.16E+08	0.195963	0.006694	0
chr9	1.17E+08	1.17E+08	893	1171	1.17E+08	-0.19505	0.007355	0
chr9	1.18E+08	1.18E+08	687	899	1.18E+08	-0.19205	0.008145	0
chr9	1.2E+08	1.2E+08	697	914	1.2E+08	-0.19507	0.007349	0
chr9	1.21E+08	1.21E+08	710	964	1.21E+08	-0.24525	0.001117	0

chr9	1.22E+08	1.22E+08	676	897	1.22E+08	-0.21212	0.004023	0
chr9	1.22E+08	1.22E+08	642	840	1.22E+08	-0.19185	0.008199	0
chr9	1.22E+08	1.22E+08	705	942	1.22E+08	-0.22214	0.002773	0
chr9	1.29E+08	1.29E+08	1046	1044	1.29E+08	0.198724	0.00607	0
chr9	1.3E+08	1.3E+08	999	980	1.3E+08	0.223666	0.00239	0
chr9	1.3E+08	1.31E+08	1211	1067	1.31E+08	0.378602	1.02E-06	0
chr9	1.31E+08	1.31E+08	1125	1058	1.31E+08	0.284548	0.000169	0
chr9	1.31E+08	1.31E+08	1146	1116	1.31E+08	0.234233	0.001568	0
chr9	1.31E+08	1.31E+08	1176	1080	1.31E+08	0.31882	3.03E-05	0
chr9	1.31E+08	1.31E+08	1227	1085	1.31E+08	0.373403	1.40E-06	0
chr9	1.31E+08	1.31E+08	1105	1023	1.31E+08	0.307203	5.54E-05	0
chr9	1.31E+08	1.31E+08	986	954	1.31E+08	0.243561	0.001067	0
chr9	1.31E+08	1.31E+08	1046	974	1.31E+08	0.298852	8.43E-05	0
chr9	1.31E+08	1.31E+08	1011	999	1.31E+08	0.213189	0.003574	0
chr9	1.31E+08	1.31E+08	951	958	1.31E+08	0.185383	0.009639	0
chr9	1.31E+08	1.31E+08	919	924	1.31E+08	0.188135	0.00878	0
chr9	1.31E+08	1.31E+08	1032	1006	1.31E+08	0.232776	0.001663	0
chr9	1.31E+08	1.31E+08	886	850	1.31E+08	0.255807	0.000631	0
chr9	1.31E+08	1.32E+08	892	808	1.31E+08	0.338651	1.04E-05	0
chr9	1.32E+08	1.32E+08	947	911	1.32E+08	0.251876	0.000749	0
chr9	1.32E+08	1.32E+08	942	936	1.32E+08	0.205182	0.004809	0
chr9	1.32E+08	1.32E+08	996	972	1.32E+08	0.231152	0.001776	0
chr9	1.32E+08	1.32E+08	1045	972	1.32E+08	0.300438	7.79E-05	0
chr9	1.32E+08	1.32E+08	1054	1017	1.32E+08	0.247518	0.000902	0
chr9	1.32E+08	1.32E+08	1155	1079	1.32E+08	0.294161	0.000106	0
chr9	1.32E+08	1.32E+08	1129	1109	1.32E+08	0.221749	0.002576	0
chr9	1.32E+08	1.32E+08	1194	1198	1.32E+08	0.191138	0.00792	0
chr9	1.32E+08	1.32E+08	1105	1107	1.32E+08	0.193354	0.007334	0
chr9	1.32E+08	1.32E+08	1065	1059	1.32E+08	0.204114	0.005	0
chr9	1.32E+08	1.32E+08	1134	1135	1.32E+08	0.194691	0.007	0
chr9	1.32E+08	1.33E+08	1183	1122	1.32E+08	0.27234	0.0003	0
chr9	1.32E+08	1.33E+08	1047	968	1.33E+08	0.309146	5.01E-05	0
chr9	1.33E+08	1.33E+08	1014	956	1.33E+08	0.280938	0.000201	0
chr9	1.33E+08	1.33E+08	1101	1081	1.33E+08	0.222411	0.00251	0
chr9	1.33E+08	1.33E+08	264	258	1.33E+08	0.22913	0.001926	0
chr9	1.33E+08	1.33E+08	337	328	1.33E+08	0.235016	0.001519	0
chr9	1.33E+08	1.33E+08	881	880	1.33E+08	0.197602	0.006317	0
chr9	1.34E+08	1.34E+08	1049	1046	1.34E+08	0.200095	0.00578	0
chr9	1.34E+08	1.34E+08	971	933	1.34E+08	0.253557	0.000696	0
chr9	1.34E+08	1.34E+08	1062	1055	1.34E+08	0.205504	0.004753	0
chr9	1.34E+08	1.34E+08	895	892	1.34E+08	0.200807	0.005635	0
chr9	1.34E+08	1.34E+08	977	977	1.34E+08	0.195963	0.006694	0
chr9	1.34E+08	1.34E+08	1096	1074	1.34E+08	0.225217	0.002249	0
chr9	1.34E+08	1.34E+08	1057	1031	1.34E+08	0.231894	0.001724	0
chr9	1.35E+08	1.35E+08	1086	1067	1.35E+08	0.221427	0.002608	0
chr9	1.35E+08	1.35E+08	1014	973	1.35E+08	0.255509	0.000639	0
chr9	1.35E+08	1.35E+08	990	979	1.35E+08	0.212083	0.003725	0

chr9	1.36E+08	1.36E+08	1040	1043	1.36E+08	0.191807	0.007739	0
chr9	1.36E+08	1.36E+08	990	964	1.36E+08	0.234358	0.00156	0
chr9	1.36E+08	1.36E+08	1132	1023	1.36E+08	0.342031	8.62E-06	0
chr9	1.36E+08	1.36E+08	1051	978	1.36E+08	0.299819	8.04E-05	0
chr9	1.36E+08	1.36E+08	1179	1056	1.36E+08	0.354917	4.15E-06	0
chr9	1.36E+08	1.36E+08	1120	1088	1.36E+08	0.237783	0.001356	0
chr9	1.36E+08	1.36E+08	1179	1188	1.36E+08	0.184992	0.009767	0
chr9	1.37E+08	1.37E+08	1100	1050	1.37E+08	0.263077	0.000458	0
chr9	1.37E+08	1.37E+08	1106	1052	1.37E+08	0.26818	0.000364	0
chr9	1.37E+08	1.37E+08	590	594	1.37E+08	0.186215	0.009372	0
chr9	1.37E+08	1.37E+08	1338	1328	1.37E+08	0.206786	0.004535	0
chr9	1.37E+08	1.37E+08	1405	1356	1.37E+08	0.247176	0.000916	0
chr9	1.37E+08	1.37E+08	1416	1371	1.37E+08	0.242556	0.001112	0
chr9	1.38E+08	1.38E+08	1233	1213	1.38E+08	0.219556	0.002804	0
chr9	1.38E+08	1.38E+08	1248	1234	1.38E+08	0.212239	0.003704	0
chr9	1.38E+08	1.38E+08	1062	1005	1.38E+08	0.275551	0.000259	0
chr9	1.38E+08	1.38E+08	997	949	1.38E+08	0.267148	0.000381	0
chr9	1.38E+08	1.38E+08	964	966	1.38E+08	0.192973	0.007432	0
chr9	1.39E+08	1.39E+08	1133	1125	1.39E+08	0.206186	0.004636	0
chr9	1.39E+08	1.39E+08	1305	1258	1.39E+08	0.248881	0.000851	0
chr9	1.39E+08	1.39E+08	922	918	1.39E+08	0.202236	0.005352	0
chr9	1.39E+08	1.39E+08	1268	1189	1.39E+08	0.288769	0.000138	0
chr9	1.39E+08	1.39E+08	1280	1185	1.39E+08	0.30722	5.53E-05	0
chr9	1.39E+08	1.39E+08	1242	1177	1.39E+08	0.273514	0.000285	0
chr9	1.39E+08	1.39E+08	838	792	1.39E+08	0.277413	0.000237	0
chr9	1.39E+08	1.39E+08	653	658	1.39E+08	0.184958	0.009778	0
chr9	1.39E+08	1.39E+08	1122	1105	1.39E+08	0.217989	0.002978	0
chr9	1.39E+08	1.39E+08	1282	1190	1.39E+08	0.303398	6.71E-05	0
chr9	1.39E+08	1.39E+08	1212	1124	1.39E+08	0.304711	6.28E-05	0
chr9	1.39E+08	1.39E+08	1299	1241	1.39E+08	0.261861	0.000483	0
chr9	1.39E+08	1.4E+08	1308	1302	1.39E+08	0.202596	0.005283	0
chr9	1.39E+08	1.4E+08	1193	1199	1.4E+08	0.188725	0.008605	0
chr9	1.4E+08	1.4E+08	1193	1193	1.4E+08	0.195963	0.006694	0
chr9	1.4E+08	1.4E+08	1275	1236	1.4E+08	0.240782	0.001198	0
chr9	1.4E+08	1.4E+08	1110	1022	1.4E+08	0.315128	3.68E-05	0
chr9	1.4E+08	1.4E+08	987	954	1.4E+08	0.245024	0.001003	0
chr9	1.4E+08	1.4E+08	1107	1055	1.4E+08	0.265375	0.000413	0
chr9	1.4E+08	1.4E+08	1172	1088	1.4E+08	0.303257	6.76E-05	0
chr9	1.4E+08	1.4E+08	1220	1135	1.4E+08	0.300152	7.90E-05	0
chr9	1.4E+08	1.4E+08	1380	1233	1.4E+08	0.358459	3.38E-06	0
chr9	1.4E+08	1.4E+08	1295	1171	1.4E+08	0.341174	9.04E-06	0
chr9	1.4E+08	1.4E+08	1069	1001	1.40E+08	0.290783	0.000125	0
chr9	1.4E+08	1.4E+08	1238	1162	1.4E+08	0.287364	0.000148	0
chr9	1.4E+08	1.4E+08	1369	1286	1.4E+08	0.286195	0.000157	0
chr9	1.4E+08	1.4E+08	1282	1120	1.4E+08	0.390861	4.80E-07	0
chr9	1.4E+08	1.4E+08	1162	1040	1.4E+08	0.35599	3.90E-06	0
chr9	1.4E+08	1.4E+08	1222	1125	1.4E+08	0.315282	3.65E-05	0



chr9	1.4E+08	1.4E+08	1092	1046	1.4E+08	0.258053	0.000572	0
chr9	1.41E+08	1.41E+08	9	8	1.41E+08	0.365888	2.19E-06	0
chr9	900001	1000000	915	947	950000	0.14637	0.032276	0
chr9	1100001	1200000	587	743	1150000	-0.14404	0.035405	0
chr9	1200001	1300000	652	845	1250000	-0.17812	0.012876	0
chr9	1550001	1650000	560	729	1600000	-0.18453	0.010462	0
chr9	1600001	1700000	661	858	1650000	-0.18036	0.011979	0
chr9	1650001	1750000	696	894	1700000	-0.16522	0.019223	0
chr9	1800001	1900000	709	894	1850000	-0.13853	0.041101	0
chr9	2050001	2150000	915	935	2100000	0.164768	0.018745	0
chr9	2300001	2400000	729	916	2350000	-0.13347	0.046969	0
chr9	2750001	2850000	948	990	2800000	0.133422	0.046001	0
chr9	3650001	3750000	711	910	3700000	-0.16005	0.022435	0
chr9	5450001	5550000	750	958	5500000	-0.15717	0.024416	0
chr9	5500001	5600000	818	1040	5550000	-0.15045	0.029617	0
chr9	7350001	7450000	691	894	7400000	-0.17563	0.013936	0
chr9	7850001	7950000	613	776	7900000	-0.14421	0.035242	0
chr9	8300001	8400000	600	780	8350000	-0.18255	0.011161	0
chr9	8800001	8900000	661	843	8850000	-0.15492	0.026065	0
chr9	8850001	8950000	582	756	8900000	-0.1814	0.011584	0
chr9	8900001	9000000	570	735	8950000	-0.17082	0.016198	0
chr9	8950001	9050000	632	807	9.00E+06	-0.15668	0.024768	0
chr9	9350001	9450000	582	750	9400000	-0.16991	0.016661	0
chr9	9500001	9600000	616	776	9550000	-0.13716	0.04262	0
chr9	10350001	10450000	609	784	10400000	-0.16845	0.017426	0
chr9	10650001	10750000	592	756	10700000	-0.15683	0.024663	0
chr9	10700001	10800000	547	688	10750000	-0.1349	0.045236	0
chr9	10850001	10950000	582	757	10900000	-0.18331	0.010887	0
chr9	11000001	11100000	636	828	11050000	-0.18464	0.010424	0
chr9	11150001	11250000	594	747	11200000	-0.13468	0.0455	0
chr9	11200001	11300000	545	697	11250000	-0.15894	0.023185	0
chr9	11500001	11600000	591	754	11550000	-0.15544	0.025673	0
chr9	11650001	11750000	542	703	11700000	-0.17927	0.012409	0
chr9	11700001	11800000	541	698	11750000	-0.17164	0.015793	0
chr9	11800001	11900000	540	680	11850000	-0.13661	0.043246	0
chr9	11950001	12050000	605	770	1.20E+07	-0.15196	0.028373	0
chr9	12200001	12300000	615	774	12250000	-0.13578	0.044202	0
chr9	12850001	12950000	629	808	12900000	-0.16533	0.01916	0
chr9	12900001	13000000	626	793	12950000	-0.1452	0.034296	0
chr9	13050001	13150000	677	856	13100000	-0.14249	0.036933	0
chr9	13100001	13200000	674	861	13150000	-0.1573	0.024324	0
chr9	13700001	13800000	681	878	13750000	-0.1706	0.016307	0
chr9	13750001	13850000	728	921	13800000	-0.1433	0.036128	0
chr9	13800001	13900000	745	943	13850000	-0.14405	0.03539	0
chr9	15050001	15150000	610	793	15100000	-0.18255	0.011161	0
chr9	15500001	15600000	735	758	15550000	0.151509	0.027862	0
chr9	15550001	15650000	561	579	15600000	0.1504	0.028769	0

chr9	16050001	16150000	769	976	16100000	-0.14793	0.031785	0
chr9	16100001	16200000	829	1058	16150000	-0.15593	0.025312	0
chr9	17000001	17100000	690	895	17050000	-0.17933	0.012385	0
chr9	17700001	17800000	707	893	17750000	-0.14099	0.038472	0
chr9	17900001	18000000	673	863	17950000	-0.16279	0.020682	0
chr9	17950001	18050000	747	939	1.80E+07	-0.13405	0.046254	0
chr9	18800001	18900000	718	920	18850000	-0.16169	0.021375	0
chr9	18850001	18950000	776	982	18900000	-0.1437	0.035732	0
chr9	19050001	19150000	806	826	19100000	0.160601	0.021288	0
chr9	19400001	19500000	923	942	19450000	0.166567	0.01773	0
chr9	21750001	21850000	967	1008	21800000	0.136055	0.042882	0
chr9	21900001	22000000	939	975	21950000	0.141686	0.036788	0
chr9	22550001	22650000	698	876	22600000	-0.13174	0.049117	0
chr9	22950001	23050000	619	806	2.30E+07	-0.18488	0.010343	0
chr9	23000001	23100000	580	747	23050000	-0.16909	0.017085	0
chr9	23050001	23150000	579	737	23100000	-0.15214	0.028229	0
chr9	23100001	23200000	654	844	23150000	-0.17199	0.01562	0
chr9	23250001	23350000	619	778	23300000	-0.13387	0.04648	0
chr9	23600001	23700000	660	844	23650000	-0.15881	0.02327	0
chr9	23650001	23750000	691	879	23700000	-0.15121	0.028981	0
chr9	23700001	23800000	702	882	23750000	-0.13334	0.047118	0
chr9	24150001	24250000	537	679	24200000	-0.14253	0.036899	0
chr9	24350001	24450000	592	746	24400000	-0.13762	0.042111	0
chr9	24600001	24700000	550	708	24650000	-0.16835	0.017476	0
chr9	24850001	24950000	553	708	24900000	-0.16051	0.022137	0
chr9	25150001	25250000	578	750	25200000	-0.17986	0.012176	0
chr9	25300001	25400000	596	755	25350000	-0.1452	0.034291	0
chr9	25350001	25450000	624	785	25400000	-0.13518	0.044906	0
chr9	25450001	25550000	626	810	25500000	-0.1758	0.013861	0
chr9	25500001	25600000	649	825	25550000	-0.15021	0.029814	0
chr9	25800001	25900000	614	795	25850000	-0.17675	0.013447	0
chr9	26050001	26150000	659	832	26100000	-0.14034	0.039148	0
chr9	26600001	26700000	712	925	26650000	-0.18161	0.011505	0
chr9	27950001	28050000	740	957	2.80E+07	-0.17503	0.0142	0
chr9	28050001	28150000	616	802	28100000	-0.18471	0.0104	0
chr9	28100001	28200000	637	823	28150000	-0.17364	0.014837	0
chr9	28850001	28950000	836	872	28900000	0.135138	0.043949	0
chr9	29400001	29500000	636	799	29450000	-0.13321	0.047288	0
chr9	29750001	29850000	644	827	29800000	-0.16486	0.019434	0
chr9	29800001	29900000	640	821	29850000	-0.16335	0.020341	0
chr9	30200001	30300000	606	772	30250000	-0.15332	0.027292	0
chr9	30500001	30600000	516	672	30550000	-0.18513	0.010258	0
chr9	30550001	30650000	548	710	30600000	-0.17768	0.013056	0
chr9	30650001	30750000	628	805	30700000	-0.16226	0.021012	0
chr9	31300001	31400000	548	703	31350000	-0.16339	0.020317	0
chr9	31700001	31800000	610	792	31750000	-0.18073	0.01184	0
chr9	31850001	31950000	539	702	31900000	-0.18522	0.010226	0

chr9	32950001	33050000	913	951	3.30E+07	0.137133	0.041657	0
chr9	33050001	33150000	970	983	33100000	0.176756	0.012825	0
chr9	33200001	33300000	1143	1164	33250000	0.169697	0.016076	0
chr9	33750001	33850000	601	612	33800000	0.169796	0.016026	0
chr9	33800001	33900000	751	779	33850000	0.143153	0.035323	0
chr9	33900001	34000000	925	963	33950000	0.137881	0.040823	0
chr9	34550001	34650000	1175	1224	34600000	0.13702	0.041783	0
chr9	34600001	34700000	1089	1114	34650000	0.163218	0.019659	0
chr9	35000001	35100000	880	911	35050000	0.146016	0.032601	0
chr9	35050001	35150000	937	972	35100000	0.143056	0.035418	0
chr9	35650001	35750000	1172	1206	35700000	0.154706	0.02538	0
chr9	35700001	35800000	1202	1231	35750000	0.161569	0.020672	0
chr9	35750001	35850000	1198	1226	35800000	0.162632	0.020014	0
chr9	35900001	36000000	956	988	35950000	0.148463	0.030414	0
chr9	36150001	36250000	906	943	36200000	0.138216	0.040453	0
chr9	36550001	36650000	779	791	36600000	0.173909	0.014061	0
chr9	37000001	37100000	896	932	37050000	0.139132	0.039458	0
chr9	37400001	37500000	962	996	37450000	0.145854	0.032749	0
chr9	37500001	37600000	975	1003	37550000	0.155116	0.025076	0
chr9	37750001	37850000	888	928	37800000	0.132398	0.047261	0
chr9	37900001	38000000	1093	1133	37950000	0.144109	0.034394	0
chr9	37950001	38050000	1122	1149	3.80E+07	0.161657	0.020617	0
chr9	38050001	38150000	1031	1076	38100000	0.134329	0.044906	0
chr9	38200001	38300000	792	1017	38250000	-0.16478	0.01948	0
chr9	39000001	39100000	41	53	39050000	-0.17441	0.014483	0
chr9	39150001	39250000	30	38	39200000	-0.14507	0.034411	0
chr9	44150001	44250000	54	56	44200000	0.143496	0.034987	0
chr9	65600001	65700000	7	9	65650000	-0.16661	0.018434	0
chr9	66500001	66600000	53	68	66550000	-0.16358	0.0202	0
chr9	66750001	66850000	343	439	66800000	-0.16005	0.022438	0
chr9	68950001	69050000	138	144	6.90E+07	0.134562	0.044628	0
chr9	69900001	70000000	42	54	69950000	-0.16661	0.018434	0
chr9	71200001	71300000	473	603	71250000	-0.15435	0.026493	0
chr9	71300001	71400000	641	660	71350000	0.153821	0.026048	0
chr9	71750001	71850000	575	597	71800000	0.141794	0.036678	0
chr9	72250001	72350000	558	720	72300000	-0.17177	0.015728	0
chr9	72750001	72850000	465	588	72800000	-0.14262	0.036802	0
chr9	73050001	73150000	643	649	73100000	0.182563	0.010594	0
chr9	74450001	74550000	601	621	74500000	0.148735	0.030178	0
chr9	74700001	74800000	591	613	74750000	0.143234	0.035243	0
chr9	74950001	75050000	565	588	7.50E+07	0.138398	0.040254	0
chr9	75300001	75400000	488	613	75350000	-0.13304	0.047489	0
chr9	75700001	75800000	620	648	75750000	0.132237	0.047461	0
chr9	76200001	76300000	466	590	76250000	-0.14442	0.035034	0
chr9	76250001	76350000	459	584	76300000	-0.15151	0.028738	0
chr9	76300001	76400000	470	608	76350000	-0.17545	0.014015	0
chr9	76700001	76800000	398	501	76750000	-0.13608	0.04386	0

chr9	78450001	78550000	464	591	78500000	-0.15307	0.027488	0
chr9	78550001	78650000	473	604	78600000	-0.15675	0.024721	0
chr9	79600001	79700000	518	535	79650000	0.149376	0.029629	0
chr9	79950001	80050000	486	494	8.00E+07	0.172408	0.014752	0
chr9	80750001	80850000	441	573	80800000	-0.18179	0.011438	0
chr9	80800001	80900000	520	653	80850000	-0.13261	0.048027	0
chr9	81100001	81200000	502	635	81150000	-0.14311	0.03632	0
chr9	81850001	81950000	506	653	81900000	-0.17198	0.015623	0
chr9	81900001	82000000	471	610	81950000	-0.17712	0.013291	0
chr9	82750001	82850000	386	498	82800000	-0.17158	0.015819	0
chr9	83000001	83100000	387	501	83050000	-0.17651	0.013549	0
chr9	83600001	83700000	417	530	83650000	-0.14998	0.030009	0
chr9	83650001	83750000	438	563	83700000	-0.16624	0.01864	0
chr9	83850001	83950000	409	523	83900000	-0.15875	0.023316	0
chr9	83900001	84000000	416	529	83950000	-0.15072	0.029389	0
chr9	84500001	84600000	278	361	84550000	-0.18095	0.011755	0
chr9	84650001	84750000	418	542	84700000	-0.17883	0.012586	0
chr9	84800001	84900000	393	495	84850000	-0.13694	0.042877	0
chr9	84850001	84950000	409	524	84900000	-0.1615	0.021492	0
chr9	85000001	85100000	407	521	85050000	-0.16029	0.022278	0
chr9	85300001	85400000	384	493	85350000	-0.16452	0.019637	0
chr9	85900001	86000000	472	596	85950000	-0.14056	0.038916	0
chr9	86150001	86250000	543	558	86200000	0.15665	0.023963	0
chr9	86200001	86300000	589	606	86250000	0.154913	0.025226	0
chr9	86500001	86600000	443	448	86550000	0.179771	0.011621	0
chr9	86600001	86700000	479	607	86650000	-0.14571	0.033814	0
chr9	87150001	87250000	466	589	87200000	-0.14197	0.037456	0
chr9	87200001	87300000	454	570	87250000	-0.13231	0.048404	0
chr9	87350001	87450000	465	592	87400000	-0.1524	0.028017	0
chr9	87500001	87600000	459	590	87550000	-0.16626	0.01863	0
chr9	87550001	87650000	485	622	87600000	-0.16297	0.020574	0
chr9	87600001	87700000	449	575	87650000	-0.16088	0.021891	0
chr9	88900001	89000000	563	577	88950000	0.160527	0.021336	0
chr9	89100001	89200000	611	631	89150000	0.149495	0.029528	0
chr9	90000001	90100000	528	539	90050000	0.166216	0.017925	0
chr9	90150001	90250000	556	698	90200000	-0.13218	0.048564	0
chr9	90250001	90350000	671	690	90300000	0.155679	0.024662	0
chr9	90950001	91050000	495	506	9.10E+07	0.164254	0.019044	0
chr9	91450001	91550000	456	589	91500000	-0.17327	0.015008	0
chr9	91500001	91600000	471	613	91550000	-0.1842	0.010576	0
chr9	91650001	91750000	500	628	91700000	-0.13287	0.047698	0
chr9	91850001	91950000	554	562	91900000	0.175279	0.013454	0
chr9	92200001	92300000	713	724	92250000	0.173875	0.014076	0
chr9	92250001	92350000	628	643	92300000	0.161909	0.02046	0
chr9	92500001	92600000	178	228	92550000	-0.16119	0.021691	0
chr9	94800001	94900000	779	796	94850000	0.164818	0.018716	0
chr9	95350001	95450000	974	995	95400000	0.165188	0.018504	0

chr9	95600001	95700000	724	754	95650000	0.137388	0.04137	0
chr9	95900001	96000000	1093	1136	95950000	0.140294	0.038225	0
chr9	95950001	96050000	1110	1149	9.60E+07	0.146144	0.032483	0
chr9	96150001	96250000	988	1026	96200000	0.141515	0.036962	0
chr9	96200001	96300000	976	1019	96250000	0.133762	0.045588	0
chr9	96850001	96950000	875	914	96900000	0.133052	0.046453	0
chr9	97050001	97150000	204	257	97100000	-0.13724	0.042537	0
chr9	97600001	97700000	1017	1038	97650000	0.166476	0.01778	0
chr9	97750001	97850000	1065	1101	97800000	0.148002	0.030816	0
chr9	97800001	97900000	1094	1138	97850000	0.139075	0.039519	0
chr9	98400001	98500000	784	998	98450000	-0.15222	0.028161	0
chr9	99100001	99200000	835	846	99150000	0.177082	0.01269	0
chr9	99300001	99400000	884	908	99350000	0.157317	0.023492	0
chr9	99350001	99450000	846	859	99400000	0.173963	0.014036	0
chr9	99650001	99750000	134	139	99700000	0.143111	0.035364	0
chr9	99850001	99950000	357	452	99900000	-0.14444	0.035021	0
chr9	1.02E+08	1.02E+08	857	1082	1.02E+08	-0.14037	0.039118	0
chr9	1.03E+08	1.03E+08	858	896	1.03E+08	0.133442	0.045976	0
chr9	1.03E+08	1.03E+08	929	963	1.03E+08	0.144106	0.034396	0
chr9	1.04E+08	1.04E+08	887	895	1.04E+08	0.183009	0.010438	0
chr9	1.05E+08	1.05E+08	536	683	1.05E+08	-0.15369	0.027004	0
chr9	1.05E+08	1.05E+08	616	781	1.05E+08	-0.14643	0.033145	0
chr9	1.05E+08	1.05E+08	575	734	1.05E+08	-0.15626	0.025076	0
chr9	1.05E+08	1.06E+08	598	752	1.05E+08	-0.13462	0.04557	0
chr9	1.05E+08	1.06E+08	592	761	1.06E+08	-0.16634	0.018586	0
chr9	1.06E+08	1.06E+08	582	738	1.06E+08	-0.14664	0.032953	0
chr9	1.06E+08	1.06E+08	558	721	1.06E+08	-0.17377	0.014774	0
chr9	1.06E+08	1.06E+08	627	789	1.06E+08	-0.1356	0.044421	0
chr9	1.06E+08	1.06E+08	611	778	1.06E+08	-0.15263	0.027832	0
chr9	1.06E+08	1.06E+08	577	742	1.06E+08	-0.16688	0.018279	0
chr9	1.06E+08	1.06E+08	620	785	1.06E+08	-0.14446	0.034996	0
chr9	1.06E+08	1.06E+08	616	780	1.06E+08	-0.14458	0.034882	0
chr9	1.07E+08	1.07E+08	630	817	1.07E+08	-0.17902	0.012508	0
chr9	1.08E+08	1.08E+08	727	921	1.08E+08	-0.14528	0.034214	0
chr9	1.08E+08	1.08E+08	715	923	1.08E+08	-0.17242	0.01541	0
chr9	1.08E+08	1.08E+08	814	845	1.08E+08	0.14204	0.036429	0
chr9	1.09E+08	1.09E+08	609	771	1.09E+08	-0.14433	0.035127	0
chr9	1.09E+08	1.09E+08	644	821	1.09E+08	-0.15436	0.02649	0
chr9	1.1E+08	1.1E+08	718	905	1.1E+08	-0.13797	0.041715	0
chr9	1.1E+08	1.1E+08	823	1035	1.1E+08	-0.1347	0.045475	0
chr9	1.1E+08	1.1E+08	790	1016	1.1E+08	-0.16701	0.018207	0
chr9	1.11E+08	1.11E+08	792	820	1.11E+08	0.14584	0.032763	0
chr9	1.12E+08	1.12E+08	915	948	1.12E+08	0.144848	0.033689	0
chr9	1.12E+08	1.12E+08	912	945	1.12E+08	0.144683	0.033846	0
chr9	1.12E+08	1.12E+08	899	918	1.12E+08	0.16579	0.018163	0
chr9	1.13E+08	1.13E+08	836	1057	1.13E+08	-0.14244	0.036988	0
chr9	1.13E+08	1.13E+08	783	1015	1.13E+08	-0.17843	0.012746	0

chr9	1.13E+08	1.13E+08	779	979	1.13E+08	-0.13372	0.046656	0
chr9	1.13E+08	1.13E+08	767	989	1.13E+08	-0.17078	0.016217	0
chr9	1.13E+08	1.13E+08	770	967	1.13E+08	-0.13269	0.04792	0
chr9	1.15E+08	1.16E+08	856	895	1.15E+08	0.131686	0.048154	0
chr9	1.17E+08	1.17E+08	1125	1177	1.17E+08	0.130774	0.049318	0
chr9	1.17E+08	1.17E+08	907	917	1.17E+08	0.180144	0.011479	0
chr9	1.18E+08	1.18E+08	742	940	1.18E+08	-0.14528	0.034218	0
chr9	1.19E+08	1.19E+08	868	1091	1.19E+08	-0.13392	0.046415	0
chr9	1.2E+08	1.2E+08	736	924	1.2E+08	-0.13222	0.048508	0
chr9	1.2E+08	1.2E+08	744	941	1.2E+08	-0.14293	0.036496	0
chr9	1.2E+08	1.2E+08	700	894	1.2E+08	-0.15696	0.02457	0
chr9	1.21E+08	1.21E+08	743	933	1.21E+08	-0.13255	0.048098	0
chr9	1.21E+08	1.21E+08	688	887	1.21E+08	-0.17056	0.016327	0
chr9	1.21E+08	1.21E+08	697	894	1.21E+08	-0.16315	0.020459	0
chr9	1.21E+08	1.21E+08	694	893	1.21E+08	-0.16776	0.017796	0
chr9	1.21E+08	1.21E+08	628	812	1.21E+08	-0.17475	0.014326	0
chr9	1.21E+08	1.21E+08	723	922	1.21E+08	-0.15481	0.026149	0
chr9	1.21E+08	1.22E+08	717	922	1.21E+08	-0.16683	0.018309	0
chr9	1.21E+08	1.22E+08	720	931	1.22E+08	-0.17482	0.014294	0
chr9	1.22E+08	1.22E+08	662	856	1.22E+08	-0.17482	0.014297	0
chr9	1.22E+08	1.22E+08	722	924	1.22E+08	-0.15993	0.022517	0
chr9	1.22E+08	1.22E+08	684	879	1.22E+08	-0.1659	0.018832	0
chr9	1.22E+08	1.22E+08	729	949	1.22E+08	-0.18453	0.010463	0
chr9	1.22E+08	1.22E+08	707	905	1.22E+08	-0.16024	0.022309	0
chr9	1.23E+08	1.23E+08	951	965	1.23E+08	0.174879	0.013628	0
chr9	1.24E+08	1.24E+08	785	987	1.24E+08	-0.13439	0.045844	0
chr9	1.24E+08	1.24E+08	882	906	1.24E+08	0.157231	0.023553	0
chr9	1.24E+08	1.24E+08	1047	1093	1.24E+08	0.133931	0.045384	0
chr9	1.25E+08	1.25E+08	1023	1037	1.25E+08	0.176353	0.012994	0
chr9	1.25E+08	1.25E+08	1067	1111	1.25E+08	0.137664	0.041063	0
chr9	1.26E+08	1.26E+08	805	832	1.26E+08	0.148368	0.030496	0
chr9	1.26E+08	1.26E+08	840	878	1.26E+08	0.132131	0.047594	0
chr9	1.26E+08	1.26E+08	869	905	1.26E+08	0.137401	0.041356	0
chr9	1.27E+08	1.27E+08	880	916	1.27E+08	0.138119	0.04056	0
chr9	1.27E+08	1.27E+08	867	903	1.27E+08	0.137269	0.041504	0
chr9	1.27E+08	1.28E+08	1014	1046	1.27E+08	0.151138	0.028163	0
chr9	1.27E+08	1.28E+08	992	1015	1.28E+08	0.162895	0.019854	0
chr9	1.28E+08	1.28E+08	991	1027	1.28E+08	0.144484	0.034035	0
chr9	1.28E+08	1.28E+08	912	948	1.28E+08	0.14011	0.038418	0
chr9	1.28E+08	1.28E+08	842	881	1.28E+08	0.130641	0.049488	0
chr9	1.28E+08	1.28E+08	977	1005	1.28E+08	0.155198	0.025015	0
chr9	1.29E+08	1.29E+08	1027	1055	1.29E+08	0.157156	0.023605	0
chr9	1.29E+08	1.29E+08	1030	1053	1.29E+08	0.164102	0.019133	0
chr9	1.3E+08	1.3E+08	1000	1028	1.3E+08	0.156123	0.024341	0
chr9	1.3E+08	1.3E+08	978	997	1.3E+08	0.168204	0.016848	0
chr9	1.3E+08	1.31E+08	1054	1099	1.3E+08	0.135647	0.043355	0
chr9	1.31E+08	1.31E+08	1107	1141	1.31E+08	0.152319	0.027215	0

chr9	1.31E+08	1.31E+08	1021	1068	1.31E+08	0.131034	0.048983	0
chr9	1.31E+08	1.31E+08	996	1038	1.31E+08	0.136374	0.042516	0
chr9	1.31E+08	1.31E+08	874	895	1.31E+08	0.161709	0.020585	0
chr9	1.31E+08	1.32E+08	903	923	1.32E+08	0.164358	0.018983	0
chr9	1.32E+08	1.32E+08	979	1013	1.32E+08	0.14671	0.031968	0
chr9	1.32E+08	1.32E+08	1190	1213	1.32E+08	0.168345	0.016774	0
chr9	1.33E+08	1.33E+08	818	856	1.33E+08	0.130453	0.049732	0
chr9	1.33E+08	1.33E+08	915	926	1.33E+08	0.178723	0.012028	0
chr9	1.33E+08	1.33E+08	1031	1074	1.33E+08	0.137013	0.041791	0
chr9	1.33E+08	1.34E+08	958	986	1.33E+08	0.154401	0.025608	0
chr9	1.33E+08	1.34E+08	1053	1070	1.34E+08	0.172858	0.014542	0
chr9	1.34E+08	1.34E+08	908	921	1.34E+08	0.175454	0.013378	0
chr9	1.34E+08	1.34E+08	964	997	1.34E+08	0.147403	0.031346	0
chr9	1.34E+08	1.34E+08	1094	1134	1.34E+08	0.144155	0.034349	0
chr9	1.34E+08	1.34E+08	1179	1210	1.34E+08	0.15852	0.022664	0
chr9	1.34E+08	1.34E+08	1143	1172	1.34E+08	0.159816	0.021798	0
chr9	1.34E+08	1.34E+08	1077	1114	1.34E+08	0.147232	0.031498	0
chr9	1.34E+08	1.34E+08	1014	1057	1.34E+08	0.136045	0.042894	0
chr9	1.34E+08	1.34E+08	1102	1111	1.34E+08	0.184228	0.010021	0
chr9	1.34E+08	1.34E+08	967	989	1.34E+08	0.163508	0.019485	0
chr9	1.35E+08	1.35E+08	992	1002	1.35E+08	0.181493	0.010978	0
chr9	1.35E+08	1.35E+08	1080	1107	1.35E+08	0.160339	0.021457	0
chr9	1.35E+08	1.35E+08	905	1151	1.35E+08	-0.15094	0.029211	0
chr9	1.35E+08	1.35E+08	1087	1110	1.35E+08	0.165755	0.018182	0
chr9	1.35E+08	1.35E+08	910	944	1.35E+08	0.143043	0.035431	0
chr9	1.35E+08	1.35E+08	951	989	1.35E+08	0.139438	0.03913	0
chr9	1.35E+08	1.35E+08	984	1007	1.35E+08	0.16263	0.020016	0
chr9	1.35E+08	1.35E+08	970	979	1.35E+08	0.182639	0.010568	0
chr9	1.35E+08	1.36E+08	1022	1052	1.35E+08	0.154224	0.025742	0
chr9	1.36E+08	1.36E+08	1023	1054	1.36E+08	0.152894	0.026763	0
chr9	1.36E+08	1.36E+08	1020	1042	1.36E+08	0.165177	0.01851	0
chr9	1.36E+08	1.36E+08	946	986	1.36E+08	0.136216	0.042698	0
chr9	1.36E+08	1.36E+08	948	986	1.36E+08	0.139262	0.039318	0
chr9	1.36E+08	1.36E+08	883	914	1.36E+08	0.146182	0.032448	0
chr9	1.36E+08	1.36E+08	1184	1195	1.36E+08	0.182621	0.010574	0
chr9	1.37E+08	1.37E+08	1226	1277	1.37E+08	0.137163	0.041622	0
chr9	1.37E+08	1.37E+08	944	956	1.37E+08	0.177739	0.012421	0
chr9	1.37E+08	1.37E+08	857	889	1.37E+08	0.143075	0.035399	0
chr9	1.37E+08	1.37E+08	681	708	1.37E+08	0.139868	0.038672	0
chr9	1.37E+08	1.37E+08	1238	1263	1.37E+08	0.16712	0.017428	0
chr9	1.37E+08	1.38E+08	1106	1150	1.38E+08	0.139681	0.038872	0
chr9	1.38E+08	1.38E+08	1146	1194	1.38E+08	0.136767	0.042069	0
chr9	1.38E+08	1.38E+08	1227	1257	1.38E+08	0.161114	0.02096	0
chr9	1.38E+08	1.38E+08	1135	1158	1.38E+08	0.16702	0.017482	0
chr9	1.38E+08	1.39E+08	945	955	1.38E+08	0.180777	0.011241	0
chr9	1.38E+08	1.39E+08	1046	1065	1.39E+08	0.169992	0.015927	0
chr9	1.39E+08	1.39E+08	1291	1323	1.39E+08	0.160639	0.021264	0

chr9	1.39E+08	1.39E+08	1057	1101	1.39E+08	0.137124	0.041667	0
chr9	1.39E+08	1.39E+08	1147	1182	1.39E+08	0.152598	0.026995	0
chr9	1.4E+08	1.4E+08	1060	1097	1.4E+08	0.146464	0.032191	0
chr9	1.4E+08	1.4E+08	1106	1128	1.4E+08	0.167547	0.017197	0
chr9	1.4E+08	1.41E+08	967	986	1.4E+08	0.167891	0.017013	0
chr9	1.4E+08	1.41E+08	956	992	1.41E+08	0.142634	0.035836	0
chr9	1.41E+08	1.41E+08	959	971	1.41E+08	0.178023	0.012307	0
chr9	1.41E+08	1.41E+08	1041	1087	1.41E+08	0.133581	0.045807	0
chrM	1	100000	6132	6082	50000	0.207775	0.004373	0
chrX	2600001	2700000	2	3	2650000	-0.389	8.31E-07	0
chrX	3100001	3200000	434	573	3150000	-0.20488	0.005222	0
chrX	3150001	3250000	415	563	3200000	-0.24406	0.001173	0
chrX	3300001	3400000	376	500	3350000	-0.21523	0.003589	0
chrX	3700001	3800000	199	200	3750000	0.188731	0.008603	0
chrX	3850001	3950000	407	540	3900000	-0.21197	0.004046	0
chrX	3900001	4000000	450	593	3950000	-0.20214	0.005751	0
chrX	3950001	4050000	450	609	4.00E+06	-0.24055	0.001352	0
chrX	4000001	4100000	450	615	4050000	-0.2547	0.000755	0
chrX	4350001	4450000	388	523	4400000	-0.23479	0.001701	0
chrX	4400001	4500000	373	492	4450000	-0.20352	0.005479	0
chrX	4450001	4550000	352	471	4500000	-0.22419	0.002566	0
chrX	4600001	4700000	363	504	4650000	-0.27749	0.00028	0
chrX	4650001	4750000	358	497	4700000	-0.27732	0.000282	0
chrX	4850001	4950000	404	535	4900000	-0.20922	0.00447	0
chrX	4900001	5000000	382	523	4950000	-0.25728	0.000677	0
chrX	5650001	5750000	364	510	5700000	-0.2906	0.000153	0
chrX	5700001	5800000	403	555	5750000	-0.26574	0.00047	0
chrX	6050001	6150000	451	588	6100000	-0.18673	0.009732	0
chrX	6100001	6200000	415	545	6150000	-0.19718	0.006835	0
chrX	6850001	6950000	159	208	6900000	-0.19159	0.008271	0
chrX	7500001	7600000	436	574	7550000	-0.20076	0.006037	0
chrX	7550001	7650000	320	433	7600000	-0.24033	0.001364	0
chrX	8200001	8300000	400	530	8250000	-0.21003	0.004341	0
chrX	9150001	9250000	519	677	9200000	-0.18746	0.009498	0
chrX	9200001	9300000	535	710	9250000	-0.21232	0.003995	0
chrX	10150001	10250000	490	643	10200000	-0.19607	0.007101	0
chrX	12450001	12550000	451	595	12500000	-0.2038	0.005425	0
chrX	12500001	12600000	410	557	12550000	-0.24609	0.00108	0
chrX	14750001	14850000	440	591	14800000	-0.22969	0.002077	0
chrX	15250001	15350000	550	548	15300000	0.201219	0.005552	0
chrX	15300001	15400000	569	546	15350000	0.255491	0.00064	0
chrX	16550001	16650000	454	606	16600000	-0.22066	0.002932	0
chrX	16750001	16850000	600	568	16800000	0.275035	0.000265	0
chrX	16800001	16900000	680	610	16850000	0.352689	4.72E-06	0
chrX	16850001	16950000	680	661	16900000	0.236848	0.001409	0
chrX	17600001	17700000	517	742	17650000	-0.32529	2.80E-05	0
chrX	17650001	17750000	536	735	17700000	-0.25955	0.000615	0



chrX	17850001	17950000	495	658	17900000	-0.2147	0.003661	0
chrX	18800001	18900000	522	526	18850000	0.18495	0.00978	0
chrX	20150001	20250000	562	554	20200000	0.216647	0.003135	0
chrX	20850001	20950000	408	554	20900000	-0.24535	0.001113	0
chrX	21050001	21150000	360	481	21100000	-0.22208	0.00278	0
chrX	21750001	21850000	584	583	21800000	0.198436	0.006133	0
chrX	22550001	22650000	419	559	22600000	-0.21994	0.003013	0
chrX	22600001	22700000	364	544	22650000	-0.38371	1.13E-06	0
chrX	23200001	23300000	428	564	23250000	-0.20212	0.005755	0
chrX	23750001	23850000	540	539	23800000	0.198637	0.006089	0
chrX	23800001	23900000	527	522	23850000	0.209716	0.004069	0
chrX	24050001	24150000	507	511	24100000	0.184625	0.009888	0
chrX	24750001	24850000	645	628	24800000	0.234498	0.001551	0
chrX	25000001	25100000	547	717	25050000	-0.19447	0.007502	0
chrX	25350001	25450000	389	516	25400000	-0.21164	0.004095	0
chrX	25850001	25950000	386	503	25900000	-0.18599	0.00997	0
chrX	25900001	26000000	371	507	25950000	-0.2546	0.000758	0
chrX	26350001	26450000	355	468	26400000	-0.20273	0.005634	0
chrX	26950001	27050000	372	510	2.70E+07	-0.25923	0.000623	0
chrX	27600001	27700000	380	507	27650000	-0.22002	0.003003	0
chrX	27850001	27950000	416	547	27900000	-0.19899	0.00642	0
chrX	27900001	28000000	403	558	27950000	-0.27352	0.000334	0
chrX	28050001	28150000	422	558	28100000	-0.20706	0.004831	0
chrX	28250001	28350000	411	539	28300000	-0.19518	0.007321	0
chrX	28850001	28950000	402	536	28900000	-0.21907	0.003112	0
chrX	29050001	29150000	422	553	29100000	-0.19407	0.007604	0
chrX	29300001	29400000	386	508	29350000	-0.20026	0.006142	0
chrX	31700001	31800000	450	600	31750000	-0.21907	0.003112	0
chrX	32600001	32700000	390	538	32650000	-0.26817	0.000423	0
chrX	33350001	33450000	366	477	33400000	-0.18618	0.009908	0
chrX	33400001	33500000	401	524	33450000	-0.19	0.008726	0
chrX	33450001	33550000	403	530	33500000	-0.19925	0.006363	0
chrX	33500001	33600000	382	514	33550000	-0.23223	0.001881	0
chrX	33600001	33700000	379	512	33650000	-0.23798	0.001499	0
chrX	33650001	33750000	355	495	33700000	-0.28365	0.000211	0
chrX	33800001	33900000	380	518	33850000	-0.25099	0.000882	0
chrX	33900001	34000000	379	513	33950000	-0.2408	0.001339	0
chrX	33950001	34050000	387	531	3.40E+07	-0.26042	0.000592	0
chrX	34000001	34100000	414	544	34050000	-0.19801	0.006642	0
chrX	34600001	34700000	376	535	34650000	-0.31284	5.24E-05	0
chrX	34650001	34750000	379	531	34700000	-0.29055	0.000153	0
chrX	35250001	35350000	353	472	35300000	-0.22316	0.002669	0
chrX	35650001	35750000	380	509	35700000	-0.2257	0.002422	0
chrX	35700001	35800000	378	514	35750000	-0.24742	0.001022	0
chrX	35750001	35850000	404	527	35800000	-0.18748	0.00949	0
chrX	35900001	36000000	399	551	35950000	-0.2697	0.000396	0
chrX	35950001	36050000	402	563	3.60E+07	-0.28998	0.000158	0

chrX	36000001	36100000	391	525	36050000	-0.22919	0.002118	0
chrX	36050001	36150000	383	505	36100000	-0.20298	0.005585	0
chrX	36100001	36200000	364	509	36150000	-0.28776	0.000175	0
chrX	36150001	36250000	382	512	36200000	-0.22661	0.002339	0
chrX	36900001	37000000	402	554	36950000	-0.26673	0.000451	0
chrX	39750001	39850000	737	704	39800000	0.262052	0.000479	0
chrX	39800001	39900000	715	692	39850000	0.243134	0.001086	0
chrX	40450001	40550000	673	672	40500000	0.198108	0.006205	0
chrX	40500001	40600000	671	666	40550000	0.206754	0.00454	0
chrX	40750001	40850000	579	562	40800000	0.238956	0.001292	0
chrX	40900001	41000000	620	615	40950000	0.207645	0.004394	0
chrX	40950001	41050000	670	653	4.10E+07	0.233041	0.001646	0
chrX	41450001	41550000	413	560	41500000	-0.24332	0.001209	0
chrX	42000001	42100000	449	589	42050000	-0.19559	0.00722	0
chrX	42450001	42550000	355	492	42500000	-0.27488	0.000314	0
chrX	42800001	42900000	389	519	42850000	-0.22	0.003006	0
chrX	42850001	42950000	398	531	42900000	-0.21998	0.003008	0
chrX	42900001	43000000	428	562	42950000	-0.197	0.006879	0
chrX	43750001	43850000	485	650	43800000	-0.22649	0.00235	0
chrX	44000001	44100000	497	657	44050000	-0.20668	0.004896	0
chrX	44050001	44150000	414	591	44100000	-0.31756	4.14E-05	0
chrX	44100001	44200000	418	589	44150000	-0.2988	0.000104	0
chrX	44150001	44250000	433	601	44200000	-0.27703	0.000285	0
chrX	44350001	44450000	463	464	44400000	0.19285	0.007464	0
chrX	45750001	45850000	474	622	45800000	-0.19606	0.007103	0
chrX	46400001	46500000	567	567	46450000	0.195963	0.006694	0
chrX	46950001	47050000	657	649	4.70E+07	0.213638	0.003514	0
chrX	47000001	47100000	756	735	47050000	0.236605	0.001423	0
chrX	47350001	47450000	629	627	47400000	0.200558	0.005685	0
chrX	47550001	47650000	445	634	47600000	-0.31471	4.77E-05	0
chrX	47600001	47700000	434	607	47650000	-0.28804	0.000172	0
chrX	48250001	48350000	372	366	48300000	0.219422	0.002818	0
chrX	48300001	48400000	744	713	48350000	0.257364	0.00059	0
chrX	48350001	48450000	707	661	48400000	0.293023	0.000112	0
chrX	48400001	48500000	606	565	48450000	0.29703	9.23E-05	0
chrX	48500001	48600000	705	707	48550000	0.191876	0.007721	0
chrX	48550001	48650000	746	695	48600000	0.298126	8.74E-05	0
chrX	48600001	48700000	688	678	48650000	0.217086	0.003083	0
chrX	48700001	48800000	574	575	48750000	0.193452	0.007309	0
chrX	48750001	48850000	769	746	48800000	0.239771	0.001249	0
chrX	48800001	48900000	662	660	48850000	0.200328	0.005732	0
chrX	48850001	48950000	630	635	48900000	0.184558	0.00991	0
chrX	48900001	49000000	620	625	48950000	0.184375	0.009971	0
chrX	48950001	49050000	604	556	4.90E+07	0.315427	3.62E-05	0
chrX	49000001	49100000	728	669	49050000	0.317895	3.18E-05	0
chrX	49050001	49150000	787	768	49100000	0.23122	0.001771	0
chrX	49100001	49200000	505	499	49150000	0.213207	0.003571	0

chrX	49200001	49300000	2	2	49250000	0.195963	0.006694	0
chrX	51100001	51200000	339	474	51150000	-0.28764	0.000176	0
chrX	51650001	51750000	331	432	51700000	-0.18824	0.009255	0
chrX	51850001	51950000	181	263	51900000	-0.34311	1.10E-05	0
chrX	52100001	52200000	11	16	52150000	-0.34461	1.02E-05	0
chrX	52450001	52550000	2	2	52500000	0.195963	0.006694	0
chrX	52700001	52800000	5	7	52750000	-0.28946	0.000161	0
chrX	52900001	53000000	123	118	52950000	0.255834	0.00063	0
chrX	53000001	53100000	609	606	53050000	0.203087	0.00519	0
chrX	53050001	53150000	616	611	53100000	0.207721	0.004381	0
chrX	53400001	53500000	623	603	53450000	0.243037	0.00109	0
chrX	54850001	54950000	309	442	54900000	-0.32048	3.57E-05	0
chrX	54900001	55000000	409	548	54950000	-0.22611	0.002384	0
chrX	55200001	55300000	366	477	55250000	-0.18618	0.009908	0
chrX	55400001	55500000	268	356	55450000	-0.21368	0.0038	0
chrX	55700001	55800000	376	497	55750000	-0.20655	0.00492	0
chrX	55750001	55850000	394	518	55800000	-0.19879	0.006465	0
chrX	56200001	56300000	350	459	56250000	-0.19518	0.007323	0
chrX	56450001	56550000	280	391	56500000	-0.28578	0.000192	0
chrX	56500001	56600000	386	520	56550000	-0.23395	0.001758	0
chrX	56900001	57000000	289	402	56950000	-0.28016	0.000248	0
chrX	56950001	57050000	401	536	5.70E+07	-0.22267	0.002718	0
chrX	57000001	57100000	425	556	57050000	-0.19166	0.008252	0
chrX	57450001	57550000	358	500	57500000	-0.28601	0.00019	0
chrX	57500001	57600000	349	483	57550000	-0.27283	0.000344	0
chrX	57950001	58050000	373	506	5.80E+07	-0.244	0.001176	0
chrX	58000001	58100000	374	528	58050000	-0.30154	9.11E-05	0
chrX	58050001	58150000	403	536	58100000	-0.21549	0.003555	0
chrX	58100001	58200000	398	521	58150000	-0.19255	0.008007	0
chrX	58300001	58400000	418	556	58350000	-0.21562	0.003539	0
chrX	58350001	58450000	344	466	58400000	-0.24196	0.001277	0
chrX	58400001	58500000	293	410	58450000	-0.28876	0.000167	0
chrX	58450001	58550000	232	307	58500000	-0.20815	0.004645	0
chrX	61600001	61700000	12	18	61650000	-0.389	8.31E-07	0
chrX	61850001	61950000	392	532	61900000	-0.24461	0.001147	0
chrX	62400001	62500000	96	138	62450000	-0.3276	2.48E-05	0
chrX	62700001	62800000	334	437	62750000	-0.19182	0.008207	0
chrX	62750001	62850000	293	427	62800000	-0.34737	8.75E-06	0
chrX	62800001	62900000	321	424	62850000	-0.20553	0.005102	0
chrX	62900001	63000000	452	596	62950000	-0.20303	0.005575	0
chrX	63000001	63100000	348	473	63050000	-0.24679	0.001049	0
chrX	63050001	63150000	326	459	63100000	-0.29766	0.00011	0
chrX	63100001	63200000	369	489	63150000	-0.21025	0.004306	0
chrX	63550001	63650000	328	473	63600000	-0.33218	1.96E-05	0
chrX	63600001	63700000	346	451	63650000	-0.18639	0.009839	0
chrX	63950001	64050000	303	396	6.40E+07	-0.19022	0.008662	0
chrX	64000001	64100000	332	434	64050000	-0.19055	0.008567	0

chrX	65100001	65200000	372	510	65150000	-0.25923	0.000623	0
chrX	65550001	65650000	303	437	65600000	-0.33235	1.94E-05	0
chrX	65600001	65700000	341	497	65650000	-0.34751	8.68E-06	0
chrX	65900001	66000000	336	439	65950000	-0.1898	0.008786	0
chrX	66050001	66150000	380	514	66100000	-0.23981	0.001393	0
chrX	66100001	66200000	296	419	66150000	-0.30539	7.56E-05	0
chrX	66350001	66450000	326	430	66400000	-0.2035	0.005482	0
chrX	67250001	67350000	466	610	67300000	-0.19252	0.008017	0
chrX	67650001	67750000	526	530	67700000	0.185033	0.009753	0
chrX	69500001	69600000	568	562	69550000	0.211284	0.003839	0
chrX	70900001	71000000	26	23	70950000	0.372841	1.45E-06	0
chrX	71000001	71100000	254	334	71050000	-0.19906	0.006406	0
chrX	71950001	72050000	65	86	7.20E+07	-0.20793	0.004682	0
chrX	72000001	72100000	6	2	72050000	1.780926	4.68E-73	0
chrX	72050001	72150000	4	4	72100000	0.195963	0.006694	0
chrX	72100001	72200000	3	8	72150000	-1.21907	5.55E-40	0
chrX	72150001	72250000	157	205	72200000	-0.1889	0.009054	0
chrX	72250001	72350000	239	313	72300000	-0.19319	0.007836	0
chrX	72850001	72950000	334	441	72900000	-0.20497	0.005205	0
chrX	73150001	73250000	563	556	73200000	0.214013	0.003464	0
chrX	73750001	73850000	590	593	73800000	0.188646	0.008628	0
chrX	74000001	74100000	360	486	74050000	-0.237	0.001559	0
chrX	74400001	74500000	301	396	74450000	-0.19977	0.006248	0
chrX	74550001	74650000	368	480	74600000	-0.18737	0.009527	0
chrX	74700001	74800000	263	389	74750000	-0.36874	2.68E-06	0
chrX	75150001	75250000	311	411	75200000	-0.20626	0.004971	0
chrX	75200001	75300000	307	403	75250000	-0.19658	0.006979	0
chrX	75750001	75850000	273	375	75800000	-0.26203	0.000553	0
chrX	76150001	76250000	293	398	76200000	-0.2459	0.001088	0
chrX	76200001	76300000	323	425	76250000	-0.19997	0.006206	0
chrX	76750001	76850000	434	566	76800000	-0.18714	0.009598	0
chrX	77000001	77100000	427	430	77050000	0.185862	0.009484	0
chrX	77100001	77200000	513	509	77150000	0.207256	0.004457	0
chrX	77400001	77500000	306	404	77450000	-0.20486	0.005225	0
chrX	77600001	77700000	355	482	77650000	-0.24525	0.001117	0
chrX	77650001	77750000	314	442	77700000	-0.29732	0.000111	0
chrX	78000001	78100000	387	517	78050000	-0.22187	0.002802	0
chrX	78050001	78150000	346	503	78100000	-0.34382	1.06E-05	0
chrX	78100001	78200000	354	501	78150000	-0.3051	7.66E-05	0
chrX	78450001	78550000	318	482	78500000	-0.40404	3.37E-07	0
chrX	78500001	78600000	391	515	78550000	-0.20144	0.005895	0
chrX	78600001	78700000	388	554	78650000	-0.31787	4.07E-05	0
chrX	78650001	78750000	379	518	78700000	-0.25479	0.000752	0
chrX	79200001	79300000	352	490	79250000	-0.28124	0.000236	0
chrX	80600001	80700000	426	571	80650000	-0.22667	0.002333	0
chrX	80650001	80750000	377	505	80700000	-0.22576	0.002417	0
chrX	80850001	80950000	352	477	80900000	-0.24245	0.001252	0

chrX	81200001	81300000	327	437	81250000	-0.22238	0.002748	0
chrX	81500001	81600000	367	515	81550000	-0.29283	0.000138	0
chrX	81550001	81650000	342	485	81600000	-0.30803	6.64E-05	0
chrX	81600001	81700000	368	492	81650000	-0.22299	0.002685	0
chrX	82050001	82150000	328	462	82100000	-0.29823	0.000107	0
chrX	82100001	82200000	375	490	82150000	-0.18993	0.008747	0
chrX	82300001	82400000	325	457	82350000	-0.29579	0.00012	0
chrX	82600001	82700000	309	422	82650000	-0.25367	0.000788	0
chrX	82650001	82750000	366	480	82700000	-0.19523	0.00731	0
chrX	82750001	82850000	369	496	82800000	-0.23076	0.001992	0
chrX	82800001	82900000	334	462	82850000	-0.27208	0.000356	0
chrX	82950001	83050000	305	420	8.30E+07	-0.26562	0.000473	0
chrX	83000001	83100000	318	436	83050000	-0.25934	0.00062	0
chrX	83050001	83150000	380	516	83100000	-0.24541	0.00111	0
chrX	83100001	83200000	391	541	83150000	-0.2725	0.00035	0
chrX	83150001	83250000	354	506	83200000	-0.31942	3.77E-05	0
chrX	83200001	83300000	352	468	83250000	-0.21497	0.003624	0
chrX	83350001	83450000	380	498	83400000	-0.19418	0.007575	0
chrX	83600001	83700000	385	521	83650000	-0.24046	0.001357	0
chrX	83750001	83850000	246	327	83800000	-0.21467	0.003665	0
chrX	83800001	83900000	148	208	83850000	-0.29502	0.000124	0
chrX	84100001	84200000	385	383	84150000	0.203477	0.005117	0
chrX	84450001	84550000	403	532	84500000	-0.20468	0.005258	0
chrX	84650001	84750000	374	497	84700000	-0.21424	0.003722	0
chrX	84700001	84800000	379	514	84750000	-0.24361	0.001195	0
chrX	85300001	85400000	383	501	85350000	-0.1915	0.008296	0
chrX	85350001	85450000	357	488	85400000	-0.25499	0.000746	0
chrX	85850001	85950000	367	539	85900000	-0.35854	4.75E-06	0
chrX	85900001	86000000	391	519	85950000	-0.2126	0.003953	0
chrX	85950001	86050000	398	523	8.60E+07	-0.19808	0.006627	0
chrX	86200001	86300000	330	437	86250000	-0.2092	0.004472	0
chrX	86250001	86350000	375	502	86300000	-0.22483	0.002504	0
chrX	86300001	86400000	324	451	86350000	-0.28117	0.000237	0
chrX	86350001	86450000	310	454	86400000	-0.35446	5.95E-06	0
chrX	86400001	86500000	355	495	86450000	-0.28365	0.000211	0
chrX	87000001	87100000	359	473	87050000	-0.20189	0.005802	0
chrX	87200001	87300000	364	504	87250000	-0.27352	0.000334	0
chrX	87700001	87800000	439	438	87750000	0.199253	0.005957	0
chrX	87800001	87900000	421	565	87850000	-0.22847	0.002177	0
chrX	87850001	87950000	446	582	87900000	-0.18801	0.009325	0
chrX	87900001	88000000	434	566	87950000	-0.18714	0.009598	0
chrX	87950001	88050000	389	516	8.80E+07	-0.21164	0.004095	0
chrX	88500001	88600000	39	37	88550000	0.271912	0.000306	0
chrX	88700001	88800000	32	32	88750000	0.195963	0.006694	0
chrX	88900001	89000000	66	86	88950000	-0.18591	0.009998	0
chrX	89000001	89100000	32	26	89050000	0.495523	3.40E-10	0
chrX	89150001	89250000	35	19	89200000	1.077319	3.55E-36	0

chrX	89350001	89450000	62	42	89400000	0.757842	1.76E-20	0
chrX	89400001	89500000	52	52	89450000	0.195963	0.006694	0
chrX	89500001	89600000	40	39	89550000	0.232489	0.001683	0
chrX	89650001	89750000	28	24	89700000	0.418355	8.19E-08	0
chrX	89700001	89800000	25	33	89750000	-0.20457	0.005278	0
chrX	89750001	89850000	20	34	89800000	-0.56957	3.13E-12	0
chrX	89800001	89900000	29	60	89850000	-0.85295	2.76E-23	0
chrX	89850001	89950000	42	76	89900000	-0.65965	1.85E-15	0
chrX	89950001	90050000	35	49	9.00E+07	-0.28946	0.000161	0
chrX	90000001	90100000	30	43	90050000	-0.32341	3.08E-05	0
chrX	90100001	90200000	38	58	90150000	-0.41409	1.82E-07	0
chrX	90450001	90550000	153	201	90500000	-0.1977	0.006714	0
chrX	90550001	90650000	297	411	90600000	-0.27271	0.000346	0
chrX	90750001	90850000	41	31	90800000	0.599319	6.85E-14	0
chrX	90850001	90950000	23	32	90900000	-0.28048	0.000244	0
chrX	90900001	91000000	95	136	90950000	-0.32164	3.37E-05	0
chrX	90950001	91050000	111	147	9.10E+07	-0.20929	0.004458	0
chrX	91000001	91100000	34	31	91050000	0.32923	1.74E-05	0
chrX	91100001	91200000	21	32	91150000	-0.41172	2.11E-07	0
chrX	91150001	91250000	25	37	91200000	-0.36963	2.55E-06	0
chrX	91200001	91300000	20	29	91250000	-0.34009	1.29E-05	0
chrX	91250001	91350000	23	23	91300000	0.195963	0.006694	0
chrX	91300001	91400000	37	30	91350000	0.498526	2.71E-10	0
chrX	91600001	91700000	30	30	91650000	0.195963	0.006694	0
chrX	91650001	91750000	23	30	91700000	-0.18737	0.009527	0
chrX	91700001	91800000	19	26	91750000	-0.25655	0.000698	0
chrX	91750001	91850000	27	27	91800000	0.195963	0.006694	0
chrX	91900001	92000000	32	23	91950000	0.672401	8.45E-17	0
chrX	91950001	92050000	30	24	9.20E+07	0.517891	6.05E-11	0
chrX	92050001	92150000	43	40	92100000	0.3003	7.85E-05	0
chrX	92150001	92250000	38	54	92200000	-0.311	5.74E-05	0
chrX	92200001	92300000	25	42	92250000	-0.5525	1.18E-11	0
chrX	92250001	92350000	32	48	92300000	-0.389	8.31E-07	0
chrX	92400001	92500000	328	473	92450000	-0.33218	1.96E-05	0
chrX	92450001	92550000	351	474	92500000	-0.23745	0.001531	0
chrX	92550001	92650000	365	481	92600000	-0.20218	0.005744	0
chrX	92600001	92700000	374	490	92650000	-0.19378	0.00768	0
chrX	92700001	92800000	343	488	92750000	-0.31271	5.27E-05	0
chrX	92750001	92850000	340	463	92800000	-0.24951	0.000938	0
chrX	93100001	93200000	333	440	93150000	-0.20602	0.005014	0
chrX	93150001	93250000	324	439	93200000	-0.24226	0.001262	0
chrX	93200001	93300000	323	466	93250000	-0.33283	1.89E-05	0
chrX	93250001	93350000	333	471	93300000	-0.30424	7.99E-05	0
chrX	93450001	93550000	375	506	93500000	-0.23628	0.001603	0
chrX	93650001	93750000	345	450	93700000	-0.18737	0.009527	0
chrX	93700001	93800000	330	441	93750000	-0.22235	0.002751	0
chrX	93750001	93850000	335	474	93800000	-0.30476	7.79E-05	0

chrX	93800001	93900000	339	464	93850000	-0.25688	0.000689	0
chrX	93850001	93950000	371	486	93900000	-0.19357	0.007734	0
chrX	93900001	94000000	348	496	93950000	-0.31529	4.64E-05	0
chrX	93950001	94050000	312	425	9.40E+07	-0.24995	0.000921	0
chrX	94050001	94150000	300	406	94100000	-0.24055	0.001352	0
chrX	94100001	94200000	333	466	94150000	-0.28884	0.000166	0
chrX	94150001	94250000	365	499	94200000	-0.25518	0.00074	0
chrX	94200001	94300000	362	485	94250000	-0.22603	0.002391	0
chrX	94400001	94500000	364	481	94450000	-0.20614	0.004993	0
chrX	94900001	95000000	369	528	94950000	-0.32095	3.49E-05	0
chrX	94950001	95050000	375	539	9.50E+07	-0.32743	2.50E-05	0
chrX	95000001	95100000	390	517	95050000	-0.21073	0.004233	0
chrX	95100001	95200000	370	484	95150000	-0.19152	0.008292	0
chrX	95150001	95250000	364	497	95200000	-0.25334	0.000799	0
chrX	95350001	95450000	389	517	95400000	-0.21443	0.003697	0
chrX	95500001	95600000	309	424	95550000	-0.26049	0.00059	0
chrX	95550001	95650000	366	507	95600000	-0.27418	0.000324	0
chrX	96850001	96950000	432	618	96900000	-0.32061	3.55E-05	0
chrX	96900001	97000000	416	588	96950000	-0.30327	8.37E-05	0
chrX	97900001	98000000	327	435	97950000	-0.21576	0.00352	0
chrX	98000001	98100000	368	518	98050000	-0.29728	0.000112	0
chrX	98050001	98150000	339	496	98100000	-0.35309	6.41E-06	0
chrX	98100001	98200000	346	452	98150000	-0.18959	0.008847	0
chrX	98150001	98250000	375	505	98200000	-0.23343	0.001795	0
chrX	98200001	98300000	392	513	98250000	-0.19214	0.008119	0
chrX	98600001	98700000	383	504	98650000	-0.20012	0.006174	0
chrX	98800001	98900000	334	474	98850000	-0.30908	6.31E-05	0
chrX	98850001	98950000	370	493	98900000	-0.2181	0.003227	0
chrX	99650001	99750000	480	648	99700000	-0.237	0.001559	0
chrX	99700001	99800000	421	591	99750000	-0.29337	0.000134	0
chrX	99750001	99850000	405	538	99800000	-0.21372	0.003795	0
chrX	1E+08	1E+08	510	474	1E+08	0.301573	7.36E-05	0
chrX	1E+08	1E+08	524	511	1E+08	0.232207	0.001702	0
chrX	1.01E+08	1.01E+08	391	522	1.01E+08	-0.22092	0.002904	0
chrX	1.01E+08	1.01E+08	404	530	1.01E+08	-0.19567	0.007199	0
chrX	1.01E+08	1.01E+08	360	506	1.01E+08	-0.29518	0.000123	0
chrX	1.02E+08	1.02E+08	26	38	1.02E+08	-0.35152	6.99E-06	0
chrX	1.02E+08	1.02E+08	24	22	1.02E+08	0.321494	2.63E-05	0
chrX	1.02E+08	1.02E+08	37	33	1.02E+08	0.361022	2.91E-06	0
chrX	1.02E+08	1.02E+08	393	518	1.02E+08	-0.20246	0.005687	0
chrX	1.03E+08	1.03E+08	443	579	1.03E+08	-0.19029	0.008641	0
chrX	1.03E+08	1.03E+08	349	466	1.03E+08	-0.22114	0.00288	0
chrX	1.03E+08	1.03E+08	271	356	1.03E+08	-0.19762	0.006732	0
chrX	1.03E+08	1.03E+08	319	418	1.03E+08	-0.19398	0.007627	0
chrX	1.04E+08	1.04E+08	416	564	1.04E+08	-0.24315	0.001217	0
chrX	1.04E+08	1.04E+08	428	564	1.04E+08	-0.20212	0.005755	0
chrX	1.04E+08	1.04E+08	385	510	1.04E+08	-0.20968	0.004397	0

chrX	1.04E+08	1.04E+08	361	534	1.04E+08	-0.36888	2.66E-06	0
chrX	1.04E+08	1.04E+08	376	530	1.04E+08	-0.2993	0.000101	0
chrX	1.04E+08	1.04E+08	401	535	1.04E+08	-0.21997	0.003009	0
chrX	1.04E+08	1.04E+08	398	543	1.04E+08	-0.25222	0.000838	0
chrX	1.04E+08	1.04E+08	368	525	1.04E+08	-0.31665	4.33E-05	0
chrX	1.04E+08	1.04E+08	311	420	1.04E+08	-0.23751	0.001527	0
chrX	1.04E+08	1.05E+08	412	552	1.04E+08	-0.22606	0.002389	0
chrX	1.1E+08	1.1E+08	402	401	1.1E+08	0.199556	0.005893	0
chrX	1.1E+08	1.1E+08	434	577	1.1E+08	-0.21491	0.003632	0
chrX	1.11E+08	1.12E+08	204	280	1.11E+08	-0.26089	0.00058	0
chrX	1.11E+08	1.12E+08	195	285	1.12E+08	-0.35152	6.99E-06	0
chrX	1.12E+08	1.12E+08	186	285	1.12E+08	-0.4197	1.28E-07	0
chrX	1.12E+08	1.12E+08	176	244	1.12E+08	-0.27534	0.000308	0
chrX	1.12E+08	1.12E+08	194	262	1.12E+08	-0.23755	0.001525	0
chrX	1.12E+08	1.12E+08	225	311	1.12E+08	-0.27103	0.000373	0
chrX	1.12E+08	1.12E+08	240	328	1.12E+08	-0.2547	0.000755	0
chrX	1.12E+08	1.12E+08	222	302	1.12E+08	-0.24803	0.000997	0
chrX	1.12E+08	1.12E+08	199	268	1.12E+08	-0.2335	0.00179	0
chrX	1.12E+08	1.12E+08	192	260	1.12E+08	-0.24144	0.001304	0
chrX	1.12E+08	1.12E+08	186	253	1.12E+08	-0.24787	0.001003	0
chrX	1.12E+08	1.13E+08	178	253	1.12E+08	-0.3113	5.65E-05	0
chrX	1.13E+08	1.13E+08	251	253	1.13E+08	0.184513	0.009925	0
chrX	1.13E+08	1.13E+08	226	296	1.13E+08	-0.19331	0.007803	0
chrX	1.13E+08	1.13E+08	204	288	1.13E+08	-0.30154	9.11E-05	0
chrX	1.14E+08	1.14E+08	239	239	1.14E+08	0.195963	0.006694	0
chrX	1.14E+08	1.14E+08	205	272	1.14E+08	-0.21202	0.004038	0
chrX	1.15E+08	1.15E+08	242	317	1.15E+08	-0.19351	0.00775	0
chrX	1.15E+08	1.15E+08	206	288	1.15E+08	-0.28746	0.000177	0
chrX	1.15E+08	1.15E+08	164	165	1.15E+08	0.187193	0.009066	0
chrX	1.15E+08	1.15E+08	172	233	1.15E+08	-0.24196	0.001277	0
chrX	1.15E+08	1.15E+08	191	252	1.15E+08	-0.20389	0.005408	0
chrX	1.16E+08	1.16E+08	253	332	1.16E+08	-0.19608	0.007099	0
chrX	1.16E+08	1.16E+08	231	326	1.16E+08	-0.30102	9.34E-05	0
chrX	1.16E+08	1.16E+08	137	136	1.16E+08	0.206532	0.004577	0
chrX	1.16E+08	1.16E+08	248	243	1.16E+08	0.225347	0.002237	0
chrX	1.16E+08	1.16E+08	188	261	1.16E+08	-0.27735	0.000281	0
chrX	1.17E+08	1.17E+08	205	290	1.17E+08	-0.30447	7.90E-05	0
chrX	1.17E+08	1.17E+08	201	269	1.17E+08	-0.22445	0.002541	0
chrX	1.17E+08	1.17E+08	190	281	1.17E+08	-0.36861	2.70E-06	0
chrX	1.18E+08	1.18E+08	253	235	1.18E+08	0.30244	7.05E-05	0
chrX	1.18E+08	1.18E+08	278	275	1.18E+08	0.211616	0.003791	0
chrX	1.18E+08	1.18E+08	233	312	1.18E+08	-0.22525	0.002464	0
chrX	1.18E+08	1.18E+08	242	316	1.18E+08	-0.18895	0.009037	0
chrX	1.19E+08	1.19E+08	285	280	1.19E+08	0.221498	0.002601	0
chrX	1.19E+08	1.19E+08	316	311	1.19E+08	0.218973	0.002867	0
chrX	1.19E+08	1.19E+08	288	273	1.19E+08	0.273131	0.00029	0
chrX	1.19E+08	1.19E+08	282	269	1.19E+08	0.264052	0.000438	0



chrX	1.19E+08	1.19E+08	250	251	1.19E+08	0.190204	0.008179	0
chrX	1.2E+08	1.2E+08	304	292	1.2E+08	0.254066	0.000681	0
chrX	1.2E+08	1.2E+08	11	7	1.2E+08	0.84804	1.20E-24	0
chrX	1.2E+08	1.2E+08	75	70	1.2E+08	0.295499	9.96E-05	0
chrX	1.2E+08	1.2E+08	194	276	1.2E+08	-0.31265	5.29E-05	0
chrX	1.2E+08	1.21E+08	201	274	1.2E+08	-0.25102	0.000881	0
chrX	1.21E+08	1.21E+08	169	235	1.21E+08	-0.27967	0.000253	0
chrX	1.21E+08	1.21E+08	189	263	1.21E+08	-0.28071	0.000242	0
chrX	1.21E+08	1.21E+08	183	273	1.21E+08	-0.38109	1.32E-06	0
chrX	1.21E+08	1.21E+08	181	277	1.21E+08	-0.41793	1.43E-07	0
chrX	1.21E+08	1.22E+08	171	226	1.22E+08	-0.20636	0.004952	0
chrX	1.22E+08	1.22E+08	197	266	1.22E+08	-0.23727	0.001542	0
chrX	1.22E+08	1.22E+08	198	270	1.22E+08	-0.2515	0.000863	0
chrX	1.22E+08	1.22E+08	174	249	1.22E+08	-0.3211	3.46E-05	0
chrX	1.22E+08	1.22E+08	189	267	1.22E+08	-0.30249	8.70E-05	0
chrX	1.22E+08	1.22E+08	197	280	1.22E+08	-0.31127	5.66E-05	0
chrX	1.22E+08	1.22E+08	191	252	1.22E+08	-0.20389	0.005408	0
chrX	1.22E+08	1.22E+08	206	271	1.22E+08	-0.19969	0.006267	0
chrX	1.22E+08	1.22E+08	189	278	1.22E+08	-0.36074	4.21E-06	0
chrX	1.22E+08	1.22E+08	208	304	1.22E+08	-0.35152	6.99E-06	0
chrX	1.22E+08	1.22E+08	265	353	1.22E+08	-0.21771	0.003274	0
chrX	1.23E+08	1.23E+08	219	288	1.23E+08	-0.19917	0.00638	0
chrX	1.23E+08	1.23E+08	293	288	1.23E+08	0.220795	0.002673	0
chrX	1.23E+08	1.23E+08	251	349	1.23E+08	-0.27958	0.000254	0
chrX	1.24E+08	1.24E+08	224	293	1.24E+08	-0.19144	0.008314	0
chrX	1.24E+08	1.24E+08	220	294	1.24E+08	-0.22235	0.002751	0
chrX	1.24E+08	1.24E+08	217	295	1.24E+08	-0.24706	0.001038	0
chrX	1.24E+08	1.24E+08	204	273	1.24E+08	-0.22437	0.002548	0
chrX	1.25E+08	1.25E+08	210	211	1.25E+08	0.189109	0.008493	0
chrX	1.25E+08	1.25E+08	199	260	1.25E+08	-0.18978	0.008791	0
chrX	1.25E+08	1.25E+08	176	245	1.25E+08	-0.28124	0.000236	0
chrX	1.25E+08	1.25E+08	188	261	1.25E+08	-0.27735	0.000281	0
chrX	1.25E+08	1.25E+08	188	248	1.25E+08	-0.20364	0.005455	0
chrX	1.25E+08	1.25E+08	168	244	1.25E+08	-0.34246	1.14E-05	0
chrX	1.25E+08	1.25E+08	166	257	1.25E+08	-0.43462	4.97E-08	0
chrX	1.26E+08	1.26E+08	182	251	1.26E+08	-0.26779	0.00043	0
chrX	1.26E+08	1.26E+08	186	264	1.26E+08	-0.30927	6.25E-05	0
chrX	1.26E+08	1.26E+08	192	263	1.26E+08	-0.25799	0.000657	0
chrX	1.26E+08	1.26E+08	186	251	1.26E+08	-0.23642	0.001595	0
chrX	1.26E+08	1.26E+08	183	244	1.26E+08	-0.21907	0.003112	0
chrX	1.26E+08	1.26E+08	178	232	1.26E+08	-0.18628	0.009875	0
chrX	1.26E+08	1.27E+08	176	240	1.27E+08	-0.2515	0.000863	0
chrX	1.27E+08	1.27E+08	182	262	1.27E+08	-0.32967	2.23E-05	0
chrX	1.27E+08	1.28E+08	190	268	1.27E+08	-0.30027	9.68E-05	0
chrX	1.28E+08	1.28E+08	190	258	1.28E+08	-0.24541	0.00111	0
chrX	1.28E+08	1.28E+08	203	271	1.28E+08	-0.22085	0.002912	0
chrX	1.28E+08	1.28E+08	204	278	1.28E+08	-0.25055	0.000898	0

chrX	1.28E+08	1.28E+08	191	255	1.28E+08	-0.22096	0.002899	0
chrX	1.28E+08	1.28E+08	211	297	1.28E+08	-0.29726	0.000112	0
chrX	1.28E+08	1.28E+08	209	279	1.28E+08	-0.2208	0.002917	0
chrX	1.28E+08	1.28E+08	200	264	1.28E+08	-0.20457	0.005278	0
chrX	1.29E+08	1.29E+08	197	258	1.29E+08	-0.19321	0.00783	0
chrX	1.29E+08	1.29E+08	359	354	1.29E+08	0.216198	0.003189	0
chrX	1.3E+08	1.3E+08	246	328	1.3E+08	-0.21907	0.003112	0
chrX	1.3E+08	1.3E+08	236	314	1.3E+08	-0.21601	0.003487	0
chrX	1.31E+08	1.31E+08	210	201	1.31E+08	0.259157	0.000545	0
chrX	1.31E+08	1.31E+08	255	333	1.31E+08	-0.18906	0.009004	0
chrX	1.31E+08	1.31E+08	311	311	1.31E+08	0.195963	0.006694	0
chrX	1.32E+08	1.32E+08	262	369	1.32E+08	-0.29809	0.000107	0
chrX	1.32E+08	1.32E+08	256	349	1.32E+08	-0.25112	0.000877	0
chrX	1.32E+08	1.32E+08	250	327	1.32E+08	-0.1914	0.008325	0
chrX	1.32E+08	1.32E+08	223	298	1.32E+08	-0.22231	0.002756	0
chrX	1.32E+08	1.32E+08	232	313	1.32E+08	-0.23607	0.001617	0
chrX	1.33E+08	1.33E+08	207	275	1.33E+08	-0.21384	0.003778	0
chrX	1.33E+08	1.33E+08	205	294	1.33E+08	-0.32423	2.95E-05	0
chrX	1.33E+08	1.33E+08	235	315	1.33E+08	-0.22673	0.002328	0
chrX	1.33E+08	1.33E+08	227	297	1.33E+08	-0.19181	0.008211	0
chrX	1.33E+08	1.33E+08	240	317	1.33E+08	-0.20549	0.00511	0
chrX	1.34E+08	1.34E+08	345	334	1.34E+08	0.242711	0.001105	0
chrX	1.34E+08	1.34E+08	293	295	1.34E+08	0.186149	0.009393	0
chrX	1.34E+08	1.34E+08	320	312	1.34E+08	0.232489	0.001683	0
chrX	1.35E+08	1.35E+08	153	201	1.35E+08	-0.1977	0.006714	0
chrX	1.35E+08	1.35E+08	77	108	1.35E+08	-0.29214	0.000142	0
chrX	1.35E+08	1.35E+08	34	34	1.35E+08	0.195963	0.006694	0
chrX	1.35E+08	1.35E+08	96	96	1.35E+08	0.195963	0.006694	0
chrX	1.35E+08	1.35E+08	196	184	1.35E+08	0.287111	0.00015	0
chrX	1.35E+08	1.35E+08	286	287	1.35E+08	0.190927	0.007978	0
chrX	1.35E+08	1.35E+08	342	337	1.35E+08	0.217211	0.003068	0
chrX	1.35E+08	1.35E+08	349	348	1.35E+08	0.200103	0.005779	0
chrX	1.36E+08	1.36E+08	260	345	1.36E+08	-0.21212	0.004023	0
chrX	1.36E+08	1.36E+08	273	248	1.36E+08	0.334524	1.31E-05	0
chrX	1.36E+08	1.36E+08	265	248	1.36E+08	0.291615	0.00012	0
chrX	1.36E+08	1.36E+08	248	325	1.36E+08	-0.19414	0.007587	0
chrX	1.36E+08	1.36E+08	236	333	1.36E+08	-0.30077	9.45E-05	0
chrX	1.36E+08	1.36E+08	206	318	1.36E+08	-0.43042	6.51E-08	0
chrX	1.36E+08	1.36E+08	201	293	1.36E+08	-0.34774	8.58E-06	0
chrX	1.36E+08	1.37E+08	225	300	1.36E+08	-0.21907	0.003112	0
chrX	1.37E+08	1.37E+08	294	385	1.37E+08	-0.19308	0.007865	0
chrX	1.37E+08	1.37E+08	177	243	1.37E+08	-0.26124	0.000572	0
chrX	1.37E+08	1.37E+08	175	233	1.37E+08	-0.21701	0.003361	0
chrX	1.37E+08	1.37E+08	189	259	1.37E+08	-0.2586	0.00064	0
chrX	1.37E+08	1.37E+08	158	223	1.37E+08	-0.30116	9.27E-05	0
chrX	1.37E+08	1.37E+08	166	234	1.37E+08	-0.29936	0.000101	0
chrX	1.37E+08	1.37E+08	162	240	1.37E+08	-0.37108	2.35E-06	0

chrX	1.37E+08	1.37E+08	203	279	1.37E+08	-0.26282	0.000534	0
chrX	1.38E+08	1.38E+08	172	238	1.38E+08	-0.27259	0.000348	0
chrX	1.38E+08	1.38E+08	189	247	1.38E+08	-0.19016	0.008679	0
chrX	1.38E+08	1.38E+08	182	247	1.38E+08	-0.24461	0.001147	0
chrX	1.38E+08	1.39E+08	170	247	1.39E+08	-0.34301	1.11E-05	0
chrX	1.39E+08	1.39E+08	198	270	1.39E+08	-0.2515	0.000863	0
chrX	1.39E+08	1.39E+08	187	256	1.39E+08	-0.25714	0.000681	0
chrX	1.39E+08	1.39E+08	181	246	1.39E+08	-0.24671	0.001053	0
chrX	1.39E+08	1.39E+08	163	231	1.39E+08	-0.30706	6.96E-05	0
chrX	1.39E+08	1.39E+08	151	210	1.39E+08	-0.27988	0.000251	0
chrX	1.39E+08	1.39E+08	181	237	1.39E+08	-0.19293	0.007904	0
chrX	1.39E+08	1.39E+08	160	217	1.39E+08	-0.24366	0.001192	0
chrX	1.4E+08	1.4E+08	186	244	1.4E+08	-0.19562	0.007213	0
chrX	1.4E+08	1.4E+08	193	263	1.40E+08	-0.2505	0.0009	0
chrX	1.4E+08	1.4E+08	152	204	1.4E+08	-0.22853	0.002172	0
chrX	1.4E+08	1.4E+08	1	3	1.4E+08	-1.389	6.26E-48	0
chrX	1.4E+08	1.4E+08	69	112	1.4E+08	-0.50287	4.74E-10	0
chrX	1.4E+08	1.4E+08	165	232	1.4E+08	-0.2957	0.00012	0
chrX	1.4E+08	1.4E+08	145	191	1.4E+08	-0.20156	0.005871	0
chrX	1.41E+08	1.41E+08	20	34	1.41E+08	-0.56957	3.13E-12	0
chrX	1.41E+08	1.41E+08	117	160	1.41E+08	-0.2556	0.000727	0
chrX	1.41E+08	1.41E+08	135	196	1.41E+08	-0.34193	1.17E-05	0
chrX	1.41E+08	1.41E+08	117	177	1.41E+08	-0.40128	3.99E-07	0
chrX	1.41E+08	1.41E+08	150	206	1.41E+08	-0.26172	0.00056	0
chrX	1.41E+08	1.41E+08	185	257	1.41E+08	-0.27828	0.00027	0
chrX	1.41E+08	1.41E+08	152	258	1.41E+08	-0.56734	3.73E-12	0
chrX	1.41E+08	1.42E+08	144	238	1.41E+08	-0.52893	7.03E-11	0
chrX	1.41E+08	1.42E+08	158	226	1.42E+08	-0.32044	3.58E-05	0
chrX	1.42E+08	1.42E+08	192	251	1.42E+08	-0.19062	0.008547	0
chrX	1.42E+08	1.42E+08	171	236	1.42E+08	-0.26883	0.000411	0
chrX	1.42E+08	1.42E+08	158	219	1.42E+08	-0.27504	0.000312	0
chrX	1.42E+08	1.42E+08	163	220	1.42E+08	-0.23667	0.001579	0
chrX	1.42E+08	1.42E+08	200	262	1.42E+08	-0.1936	0.007726	0
chrX	1.42E+08	1.43E+08	156	229	1.42E+08	-0.35784	4.94E-06	0
chrX	1.42E+08	1.43E+08	164	242	1.43E+08	-0.36535	3.25E-06	0
chrX	1.43E+08	1.43E+08	186	258	1.43E+08	-0.27611	0.000298	0
chrX	1.43E+08	1.43E+08	195	268	1.43E+08	-0.2628	0.000535	0
chrX	1.43E+08	1.43E+08	195	255	1.43E+08	-0.19106	0.008421	0
chrX	1.43E+08	1.43E+08	170	247	1.43E+08	-0.34301	1.11E-05	0
chrX	1.43E+08	1.43E+08	179	265	1.43E+08	-0.37007	2.49E-06	0
chrX	1.43E+08	1.43E+08	22	33	1.43E+08	-0.389	8.31E-07	0
chrX	1.43E+08	1.43E+08	13	12	1.43E+08	0.31144	4.46E-05	0
chrX	1.43E+08	1.43E+08	199	279	1.43E+08	-0.29153	0.000147	0
chrX	1.43E+08	1.44E+08	101	156	1.44E+08	-0.43123	6.18E-08	0
chrX	1.44E+08	1.44E+08	92	133	1.44E+08	-0.33576	1.62E-05	0
chrX	1.44E+08	1.44E+08	167	245	1.44E+08	-0.35697	5.18E-06	0
chrX	1.44E+08	1.44E+08	190	257	1.44E+08	-0.23981	0.001393	0

chrX	1.44E+08	1.44E+08	171	233	1.44E+08	-0.25037	0.000905	0
chrX	1.44E+08	1.44E+08	167	261	1.44E+08	-0.44824	2.05E-08	0
chrX	1.44E+08	1.44E+08	182	271	1.44E+08	-0.37839	1.55E-06	0
chrX	1.44E+08	1.44E+08	189	260	1.44E+08	-0.26416	0.000504	0
chrX	1.44E+08	1.44E+08	186	244	1.44E+08	-0.19562	0.007213	0
chrX	1.45E+08	1.45E+08	191	257	1.45E+08	-0.23223	0.001881	0
chrX	1.45E+08	1.45E+08	172	247	1.45E+08	-0.32614	2.68E-05	0
chrX	1.45E+08	1.45E+08	173	248	1.45E+08	-0.32361	3.05E-05	0
chrX	1.45E+08	1.46E+08	198	260	1.46E+08	-0.19705	0.006867	0
chrX	1.46E+08	1.46E+08	181	256	1.46E+08	-0.30419	8.01E-05	0
chrX	1.46E+08	1.46E+08	209	276	1.46E+08	-0.2052	0.005162	0
chrX	1.46E+08	1.46E+08	207	271	1.46E+08	-0.1927	0.007967	0
chrX	1.46E+08	1.46E+08	181	242	1.46E+08	-0.22305	0.002679	0
chrX	1.46E+08	1.46E+08	180	246	1.46E+08	-0.2547	0.000755	0
chrX	1.46E+08	1.46E+08	179	235	1.46E+08	-0.19674	0.006941	0
chrX	1.46E+08	1.46E+08	182	240	1.46E+08	-0.20313	0.005554	0
chrX	1.46E+08	1.46E+08	184	251	1.46E+08	-0.25202	0.000845	0
chrX	1.46E+08	1.46E+08	142	236	1.46E+08	-0.53693	3.86E-11	0
chrX	1.46E+08	1.46E+08	155	227	1.46E+08	-0.35446	5.95E-06	0
chrX	1.47E+08	1.47E+08	216	285	1.47E+08	-0.20397	0.005393	0
chrX	1.47E+08	1.47E+08	194	272	1.47E+08	-0.29159	0.000146	0
chrX	1.47E+08	1.47E+08	194	278	1.47E+08	-0.32307	3.13E-05	0
chrX	1.47E+08	1.47E+08	186	277	1.47E+08	-0.37862	1.53E-06	0
chrX	1.47E+08	1.47E+08	236	235	1.47E+08	0.202089	0.005381	0
chrX	1.47E+08	1.47E+08	159	222	1.47E+08	-0.28557	0.000193	0
chrX	1.47E+08	1.48E+08	177	234	1.47E+08	-0.2068	0.004876	0
chrX	1.48E+08	1.48E+08	224	295	1.48E+08	-0.20125	0.005933	0
chrX	1.48E+08	1.48E+08	181	243	1.48E+08	-0.229	0.002133	0
chrX	1.48E+08	1.48E+08	171	230	1.48E+08	-0.23167	0.001922	0
chrX	1.48E+08	1.48E+08	222	293	1.48E+08	-0.20438	0.005315	0
chrX	1.48E+08	1.49E+08	198	273	1.49E+08	-0.26744	0.000437	0
chrX	1.49E+08	1.49E+08	60	90	1.49E+08	-0.389	8.31E-07	0
chrX	1.49E+08	1.49E+08	199	193	1.49E+08	0.240131	0.001231	0
chrX	1.49E+08	1.49E+08	87	73	1.49E+08	0.449082	1.01E-08	0
chrX	1.49E+08	1.5E+08	343	339	1.5E+08	0.212886	0.003615	0
chrX	1.5E+08	1.5E+08	314	316	1.5E+08	0.186803	0.009187	0
chrX	1.5E+08	1.5E+08	379	375	1.5E+08	0.21127	0.00384	0
chrX	1.5E+08	1.5E+08	259	361	1.5E+08	-0.28308	0.000217	0
chrX	1.51E+08	1.51E+08	224	298	1.51E+08	-0.21585	0.003508	0
chrX	1.51E+08	1.51E+08	350	346	1.51E+08	0.212546	0.003661	0
chrX	1.51E+08	1.51E+08	325	305	1.51E+08	0.287594	0.000146	0
chrX	1.51E+08	1.51E+08	348	304	1.51E+08	0.390979	4.76E-07	0
chrX	1.51E+08	1.51E+08	227	354	1.51E+08	-0.44509	2.52E-08	0
chrX	1.51E+08	1.51E+08	243	382	1.51E+08	-0.45665	1.17E-08	0
chrX	1.52E+08	1.52E+08	218	301	1.52E+08	-0.26947	0.0004	0
chrX	1.52E+08	1.52E+08	38	38	1.52E+08	0.195963	0.006694	0
chrX	1.52E+08	1.52E+08	99	99	1.52E+08	0.195963	0.006694	0

chrX	1.52E+08	1.52E+08	1	1	1.52E+08	0.195963	0.006694	0
chrX	1.52E+08	1.52E+08	49	75	1.52E+08	-0.41815	1.41E-07	0
chrX	1.53E+08	1.53E+08	162	220	1.53E+08	-0.24555	0.001104	0
chrX	1.53E+08	1.53E+08	400	396	1.53E+08	0.210463	0.003958	0
chrX	1.53E+08	1.53E+08	319	287	1.53E+08	0.348469	6.00E-06	0
chrX	1.53E+08	1.53E+08	419	396	1.53E+08	0.277413	0.000237	0
chrX	1.53E+08	1.53E+08	443	389	1.53E+08	0.3835	7.57E-07	0
chrX	1.53E+08	1.53E+08	402	358	1.53E+08	0.363199	2.56E-06	0
chrX	1.53E+08	1.53E+08	386	340	1.53E+08	0.379029	9.95E-07	0
chrX	1.53E+08	1.53E+08	352	332	1.53E+08	0.280355	0.000207	0
chrX	1.54E+08	1.54E+08	288	275	1.54E+08	0.2626	0.000467	0
chrX	1.54E+08	1.54E+08	330	285	1.54E+08	0.407467	1.67E-07	0
chrX	1.54E+08	1.54E+08	366	319	1.54E+08	0.39425	3.88E-07	0
chrX	1.54E+08	1.54E+08	416	368	1.54E+08	0.372841	1.45E-06	0
chrX	1.54E+08	1.54E+08	313	286	1.54E+08	0.326111	2.06E-05	0
chrX	1.54E+08	1.54E+08	185	186	1.54E+08	0.188186	0.008765	0
chrX	1.54E+08	1.54E+08	254	336	1.54E+08	-0.20767	0.004726	0
chrX	1.54E+08	1.54E+08	295	391	1.54E+08	-0.21049	0.004269	0
chrX	1.54E+08	1.55E+08	264	256	1.55E+08	0.240357	0.001219	0
chrX	1.55E+08	1.55E+08	164	164	1.55E+08	0.195963	0.006694	0
chrX	3800001	3900000	177	224	3850000	-0.14379	0.035651	0
chrX	4050001	4150000	434	549	4100000	-0.14315	0.036278	0
chrX	4150001	4250000	441	573	4200000	-0.18179	0.011438	0
chrX	4300001	4400000	385	491	4350000	-0.1549	0.026078	0
chrX	4500001	4600000	392	503	4550000	-0.16374	0.020101	0
chrX	4550001	4650000	393	502	4600000	-0.1572	0.0244	0
chrX	4700001	4800000	370	477	4750000	-0.1705	0.016358	0
chrX	4950001	5050000	400	508	5.00E+06	-0.14887	0.030967	0
chrX	5050001	5150000	424	543	5100000	-0.16092	0.021864	0
chrX	5350001	5450000	384	484	5400000	-0.13794	0.041752	0
chrX	5500001	5600000	424	535	5550000	-0.13951	0.040032	0
chrX	5600001	5700000	379	486	5650000	-0.1628	0.02068	0
chrX	5750001	5850000	445	562	5800000	-0.1408	0.038665	0
chrX	6200001	6300000	412	535	6250000	-0.18093	0.011762	0
chrX	7600001	7700000	209	270	7650000	-0.17349	0.014903	0
chrX	7700001	7800000	474	612	7750000	-0.17268	0.015287	0
chrX	7750001	7850000	421	544	7800000	-0.17382	0.01475	0
chrX	8050001	8150000	365	460	8100000	-0.13777	0.041933	0
chrX	10200001	10300000	512	661	10250000	-0.17254	0.015353	0
chrX	10400001	10500000	508	638	10450000	-0.13276	0.047833	0
chrX	10600001	10700000	450	568	10650000	-0.14	0.039507	0
chrX	11100001	11200000	607	621	11150000	0.163066	0.01975	0
chrX	11400001	11500000	569	721	11450000	-0.14561	0.033908	0
chrX	12050001	12150000	462	589	12100000	-0.15441	0.026449	0
chrX	12200001	12300000	482	606	12250000	-0.13432	0.045932	0
chrX	12550001	12650000	428	553	12600000	-0.17371	0.014805	0
chrX	12600001	12700000	474	609	12650000	-0.16559	0.01901	0

chrX	12650001	12750000	504	654	12700000	-0.1799	0.012158	0
chrX	12900001	13000000	574	589	12950000	0.158746	0.022511	0
chrX	13650001	13750000	566	591	13700000	0.133607	0.045775	0
chrX	14550001	14650000	425	547	14600000	-0.16811	0.017605	0
chrX	14600001	14700000	428	554	14650000	-0.17631	0.013636	0
chrX	16150001	16250000	497	624	16200000	-0.13234	0.048366	0
chrX	16400001	16500000	533	687	16450000	-0.17021	0.016505	0
chrX	16500001	16600000	457	591	16550000	-0.175	0.014214	0
chrX	16900001	17000000	616	640	16950000	0.140821	0.037675	0
chrX	17550001	17650000	488	622	17600000	-0.15407	0.02671	0
chrX	17800001	17900000	538	692	17850000	-0.1672	0.018102	0
chrX	18000001	18100000	505	636	18050000	-0.13678	0.043054	0
chrX	18450001	18550000	462	595	18500000	-0.16903	0.017115	0
chrX	19150001	19250000	442	555	19200000	-0.13248	0.048189	0
chrX	19900001	20000000	551	573	19950000	0.13948	0.039085	0
chrX	20100001	20200000	550	574	20150000	0.134344	0.044889	0
chrX	20200001	20300000	560	578	20250000	0.15032	0.028836	0
chrX	20700001	20800000	380	486	20750000	-0.15899	0.023148	0
chrX	20750001	20850000	395	501	20800000	-0.14699	0.032628	0
chrX	20800001	20900000	409	518	20850000	-0.14489	0.034588	0
chrX	20900001	21000000	459	578	20950000	-0.13661	0.043246	0
chrX	21000001	21100000	396	499	21050000	-0.13758	0.042155	0
chrX	22650001	22750000	441	559	22700000	-0.14611	0.033443	0
chrX	22850001	22950000	426	537	22900000	-0.13811	0.041565	0
chrX	22950001	23050000	503	515	2.30E+07	0.161949	0.020435	0
chrX	23150001	23250000	491	616	23200000	-0.13124	0.04975	0
chrX	23250001	23350000	498	627	23300000	-0.13636	0.043539	0
chrX	23500001	23600000	467	594	23550000	-0.15108	0.029094	0
chrX	23600001	23700000	605	624	23650000	0.151352	0.027989	0
chrX	23650001	23750000	565	591	23700000	0.131056	0.048955	0
chrX	23850001	23950000	541	561	23900000	0.143591	0.034894	0
chrX	24000001	24100000	499	516	24050000	0.147632	0.031142	0
chrX	24100001	24200000	585	601	24150000	0.157035	0.023691	0
chrX	24150001	24250000	621	633	24200000	0.168351	0.016771	0
chrX	24200001	24300000	605	620	24250000	0.16063	0.021269	0
chrX	24700001	24800000	604	626	24750000	0.144349	0.034163	0
chrX	25300001	25400000	403	525	25350000	-0.18557	0.010109	0
chrX	25550001	25650000	476	599	25600000	-0.13563	0.04438	0
chrX	25950001	26050000	414	520	2.60E+07	-0.13292	0.047643	0
chrX	26050001	26150000	411	535	26100000	-0.18444	0.010493	0
chrX	26550001	26650000	440	571	26600000	-0.18002	0.012111	0
chrX	26600001	26700000	426	544	26650000	-0.15679	0.024689	0
chrX	26650001	26750000	421	542	26700000	-0.16851	0.017393	0
chrX	26800001	26900000	429	555	26850000	-0.17555	0.013971	0
chrX	27400001	27500000	396	506	27450000	-0.15767	0.024061	0
chrX	27550001	27650000	386	497	27600000	-0.16868	0.017301	0
chrX	27750001	27850000	421	535	27800000	-0.14976	0.030201	0

chrX	27800001	27900000	432	553	27850000	-0.16029	0.022283	0
chrX	27950001	28050000	434	548	2.80E+07	-0.14052	0.038963	0
chrX	28100001	28200000	401	510	28150000	-0.15093	0.029214	0
chrX	28700001	28800000	384	500	28750000	-0.18486	0.010349	0
chrX	28900001	29000000	394	495	28950000	-0.13327	0.047209	0
chrX	29100001	29200000	413	526	29150000	-0.15296	0.027576	0
chrX	29800001	29900000	460	580	29850000	-0.13846	0.041179	0
chrX	29850001	29950000	455	584	29900000	-0.16414	0.019863	0
chrX	30200001	30300000	472	611	30250000	-0.17642	0.013589	0
chrX	31450001	31550000	443	560	31500000	-0.14216	0.037271	0
chrX	31500001	31600000	437	554	31550000	-0.14629	0.033274	0
chrX	31650001	31750000	470	591	31700000	-0.13453	0.045677	0
chrX	32150001	32250000	438	556	32200000	-0.14819	0.031558	0
chrX	32200001	32300000	417	536	32250000	-0.16622	0.01865	0
chrX	32550001	32650000	430	550	32600000	-0.15913	0.023054	0
chrX	32650001	32750000	405	516	32700000	-0.15349	0.027162	0
chrX	33550001	33650000	397	510	33600000	-0.1654	0.019124	0
chrX	33700001	33800000	382	485	33750000	-0.14845	0.031331	0
chrX	33750001	33850000	385	498	33800000	-0.17532	0.014069	0
chrX	33850001	33950000	401	514	33900000	-0.1622	0.021049	0
chrX	34350001	34450000	371	470	34400000	-0.14528	0.034218	0
chrX	35100001	35200000	393	500	35150000	-0.15144	0.028799	0
chrX	35150001	35250000	402	505	35200000	-0.13312	0.047388	0
chrX	35200001	35300000	380	493	35250000	-0.17963	0.012268	0
chrX	35600001	35700000	364	457	35650000	-0.13229	0.048422	0
chrX	35850001	35950000	394	508	35900000	-0.17067	0.016273	0
chrX	36350001	36450000	386	490	36400000	-0.14822	0.031534	0
chrX	36550001	36650000	421	539	36600000	-0.1605	0.02214	0
chrX	36600001	36700000	407	530	36650000	-0.185	0.010301	0
chrX	36850001	36950000	449	568	36900000	-0.14321	0.036215	0
chrX	36950001	37050000	326	419	3.70E+07	-0.16612	0.018711	0
chrX	37050001	37150000	149	194	37100000	-0.18478	0.010376	0
chrX	37400001	37500000	338	433	37450000	-0.16138	0.02157	0
chrX	37600001	37700000	449	572	37650000	-0.15334	0.027279	0
chrX	38550001	38650000	518	538	38600000	0.141309	0.037173	0
chrX	38600001	38700000	563	582	38650000	0.148079	0.030748	0
chrX	38700001	38800000	477	599	38750000	-0.1326	0.048033	0
chrX	39000001	39100000	514	647	39050000	-0.13603	0.043912	0
chrX	39150001	39250000	491	625	39200000	-0.15217	0.028204	0
chrX	39200001	39300000	494	632	39250000	-0.15945	0.022838	0
chrX	39850001	39950000	706	733	39900000	0.141818	0.036654	0
chrX	39900001	40000000	714	735	39950000	0.154143	0.025803	0
chrX	39950001	40050000	699	724	4.00E+07	0.145266	0.033296	0
chrX	40700001	40800000	586	596	40750000	0.171551	0.01516	0
chrX	41100001	41200000	534	552	41150000	0.148135	0.0307	0
chrX	41150001	41250000	570	586	41200000	0.156024	0.024412	0
chrX	41400001	41500000	459	586	41450000	-0.15644	0.024939	0

chrX	41600001	41700000	515	524	41650000	0.170969	0.015443	0
chrX	41800001	41900000	464	586	41850000	-0.14081	0.038654	0
chrX	42050001	42150000	469	601	42100000	-0.16181	0.021294	0
chrX	42950001	43050000	445	562	4.30E+07	-0.1408	0.038665	0
chrX	43550001	43650000	451	580	43600000	-0.16696	0.018235	0
chrX	43700001	43800000	511	642	43750000	-0.13329	0.047188	0
chrX	45050001	45150000	450	574	45100000	-0.15516	0.025883	0
chrX	45450001	45550000	464	583	45500000	-0.13341	0.04704	0
chrX	45900001	46000000	389	396	45950000	0.170233	0.015807	0
chrX	46300001	46400000	413	523	46350000	-0.14471	0.034761	0
chrX	47250001	47350000	534	670	47300000	-0.13136	0.049604	0
chrX	47450001	47550000	643	654	47500000	0.171491	0.015189	0
chrX	48050001	48150000	223	289	48100000	-0.17806	0.012898	0
chrX	48450001	48550000	596	618	48500000	0.143669	0.034819	0
chrX	49300001	49400000	113	145	49350000	-0.16377	0.020086	0
chrX	50350001	50450000	458	577	50400000	-0.13726	0.04251	0
chrX	50700001	50800000	347	441	50750000	-0.14988	0.030096	0
chrX	50850001	50950000	333	422	50900000	-0.14576	0.033768	0
chrX	51000001	51100000	335	431	51050000	-0.16756	0.017904	0
chrX	51050001	51150000	358	464	51100000	-0.1782	0.01284	0
chrX	51400001	51500000	231	294	51450000	-0.15196	0.028373	0
chrX	51600001	51700000	382	493	51650000	-0.17205	0.01559	0
chrX	51700001	51800000	262	332	51750000	-0.14565	0.033865	0
chrX	51800001	51900000	243	312	51850000	-0.16463	0.019573	0
chrX	51900001	52000000	188	240	51950000	-0.15634	0.025015	0
chrX	52550001	52650000	304	388	52600000	-0.15602	0.025246	0
chrX	52800001	52900000	247	311	52850000	-0.13644	0.043443	0
chrX	52850001	52950000	200	253	52900000	-0.14317	0.036252	0
chrX	53200001	53300000	691	723	53250000	0.130653	0.049473	0
chrX	53900001	54000000	435	452	53950000	0.140656	0.037847	0
chrX	54350001	54450000	406	526	54400000	-0.17762	0.013081	0
chrX	54450001	54550000	585	608	54500000	0.140328	0.038188	0
chrX	54700001	54800000	360	456	54750000	-0.14507	0.034411	0
chrX	55000001	55100000	521	540	55050000	0.144287	0.034223	0
chrX	55150001	55250000	439	568	55200000	-0.17571	0.0139	0
chrX	55300001	55400000	385	402	55350000	0.133626	0.045752	0
chrX	55900001	56000000	361	455	55950000	-0.1379	0.041788	0
chrX	56150001	56250000	297	380	56200000	-0.15957	0.022756	0
chrX	57200001	57300000	383	487	57250000	-0.15061	0.029478	0
chrX	57250001	57350000	370	482	57300000	-0.18554	0.010118	0
chrX	58150001	58250000	415	530	58200000	-0.15692	0.024597	0
chrX	61700001	61800000	408	425	61750000	0.137069	0.041728	0
chrX	61800001	61900000	417	537	61850000	-0.16891	0.01718	0
chrX	62000001	62100000	384	482	62050000	-0.13196	0.048835	0
chrX	62050001	62150000	329	422	62100000	-0.16319	0.020435	0
chrX	62200001	62300000	348	437	62250000	-0.13258	0.048059	0
chrX	62250001	62350000	323	407	62300000	-0.13753	0.042205	0



chrX	62300001	62400000	143	183	62350000	-0.15987	0.022561	0
chrX	62450001	62550000	246	312	62500000	-0.14692	0.032692	0
chrX	62550001	62650000	367	471	62600000	-0.16398	0.019955	0
chrX	62850001	62950000	421	535	62900000	-0.14976	0.030201	0
chrX	62950001	63050000	429	551	6.30E+07	-0.16511	0.019289	0
chrX	63450001	63550000	349	441	63500000	-0.14159	0.037851	0
chrX	63700001	63800000	275	351	63750000	-0.15608	0.025207	0
chrX	63800001	63900000	328	414	63850000	-0.13997	0.03954	0
chrX	64150001	64250000	373	479	64200000	-0.16489	0.01942	0
chrX	64250001	64350000	334	420	64300000	-0.13458	0.045624	0
chrX	64350001	64450000	271	342	64400000	-0.13974	0.039786	0
chrX	64500001	64600000	334	427	64550000	-0.15842	0.023537	0
chrX	64950001	65050000	449	566	6.50E+07	-0.13812	0.041545	0
chrX	65050001	65150000	425	539	65100000	-0.14686	0.032752	0
chrX	65400001	65500000	365	459	65450000	-0.13463	0.045557	0
chrX	65450001	65550000	391	496	65500000	-0.14721	0.032435	0
chrX	65500001	65600000	332	430	65550000	-0.17719	0.013261	0
chrX	65650001	65750000	356	462	65700000	-0.18005	0.0121	0
chrX	65700001	65800000	321	404	65750000	-0.13582	0.044162	0
chrX	65750001	65850000	334	431	65800000	-0.17188	0.015675	0
chrX	66900001	67000000	453	579	66950000	-0.15809	0.02377	0
chrX	67200001	67300000	430	555	67250000	-0.17219	0.015524	0
chrX	67300001	67400000	463	583	67350000	-0.13652	0.043351	0
chrX	67600001	67700000	523	542	67650000	0.144481	0.034037	0
chrX	68350001	68450000	605	767	68400000	-0.14633	0.033238	0
chrX	68400001	68500000	556	698	68450000	-0.13218	0.048564	0
chrX	68550001	68650000	436	560	68600000	-0.16514	0.019275	0
chrX	68900001	69000000	384	493	68950000	-0.16452	0.019637	0
chrX	69000001	69100000	347	359	69050000	0.146915	0.031782	0
chrX	69250001	69350000	492	634	69300000	-0.16986	0.016685	0
chrX	69350001	69450000	565	590	69400000	0.133499	0.045907	0
chrX	70250001	70350000	608	620	70300000	0.167766	0.01708	0
chrX	70300001	70400000	682	708	70350000	0.141985	0.036485	0
chrX	70550001	70650000	474	481	70600000	0.174813	0.013658	0
chrX	70800001	70900000	545	570	70850000	0.131257	0.048698	0
chrX	70850001	70950000	279	285	70900000	0.165266	0.018459	0
chrX	71050001	71150000	383	496	71100000	-0.17703	0.013328	0
chrX	71100001	71200000	513	645	71150000	-0.13438	0.045865	0
chrX	72200001	72300000	293	373	72250000	-0.15231	0.02809	0
chrX	73300001	73400000	467	476	73350000	0.168424	0.016732	0
chrX	73800001	73900000	491	502	73850000	0.163999	0.019194	0
chrX	73950001	74050000	400	507	7.40E+07	-0.14602	0.033521	0
chrX	74050001	74150000	381	491	74100000	-0.16997	0.016629	0
chrX	74450001	74550000	257	324	74500000	-0.13826	0.041392	0
chrX	74650001	74750000	292	367	74700000	-0.13385	0.046503	0
chrX	75400001	75500000	306	390	75450000	-0.15398	0.02678	0
chrX	75450001	75550000	250	325	75500000	-0.18255	0.011161	0

chrX	75500001	75600000	283	368	75550000	-0.18294	0.01102	0
chrX	75600001	75700000	362	463	75650000	-0.15906	0.023103	0
chrX	75650001	75750000	347	452	75700000	-0.18542	0.010159	0
chrX	76000001	76100000	354	450	76050000	-0.15021	0.029814	0
chrX	76300001	76400000	350	443	76350000	-0.14399	0.035453	0
chrX	76350001	76450000	318	408	76400000	-0.16358	0.0202	0
chrX	76500001	76600000	340	433	76550000	-0.15287	0.027646	0
chrX	77050001	77150000	422	438	77100000	0.142275	0.036194	0
chrX	77150001	77250000	574	585	77200000	0.168577	0.016652	0
chrX	78150001	78250000	370	482	78200000	-0.18554	0.010118	0
chrX	78200001	78300000	331	429	78250000	-0.17818	0.012848	0
chrX	78400001	78500000	370	471	78450000	-0.15224	0.028149	0
chrX	78950001	79050000	352	453	7.90E+07	-0.16797	0.017682	0
chrX	79300001	79400000	373	378	79350000	0.176752	0.012827	0
chrX	79800001	79900000	343	434	79850000	-0.14352	0.035908	0
chrX	80150001	80250000	320	410	80200000	-0.16159	0.021437	0
chrX	80800001	80900000	406	510	80850000	-0.13305	0.047474	0
chrX	81450001	81550000	390	495	81500000	-0.14799	0.031734	0
chrX	82000001	82100000	338	424	82050000	-0.13108	0.049964	0
chrX	82250001	82350000	337	430	82300000	-0.15563	0.025539	0
chrX	82400001	82500000	351	449	82450000	-0.15928	0.022953	0
chrX	82550001	82650000	344	436	82600000	-0.14596	0.033582	0
chrX	82700001	82800000	420	537	82750000	-0.15857	0.023438	0
chrX	82850001	82950000	341	429	82900000	-0.13524	0.044836	0
chrX	83650001	83750000	397	501	83700000	-0.13971	0.03982	0
chrX	83850001	83950000	192	242	83900000	-0.13794	0.041752	0
chrX	84400001	84500000	397	509	84450000	-0.16256	0.020823	0
chrX	84500001	84600000	368	473	84550000	-0.16617	0.018679	0
chrX	84750001	84850000	336	432	84800000	-0.16661	0.018434	0
chrX	85050001	85150000	409	514	85100000	-0.1337	0.046678	0
chrX	85100001	85200000	420	528	85150000	-0.13419	0.046095	0
chrX	85150001	85250000	438	563	85200000	-0.16624	0.01864	0
chrX	85700001	85800000	379	476	85750000	-0.1328	0.047788	0
chrX	85800001	85900000	392	506	85850000	-0.17232	0.01546	0
chrX	86050001	86150000	364	462	86100000	-0.14799	0.031734	0
chrX	86550001	86650000	404	515	86600000	-0.15425	0.02657	0
chrX	86800001	86900000	402	517	86850000	-0.16701	0.018211	0
chrX	86850001	86950000	383	496	86900000	-0.17703	0.013328	0
chrX	87050001	87150000	381	482	87100000	-0.14328	0.036149	0
chrX	87150001	87250000	402	511	87200000	-0.15016	0.029855	0
chrX	88100001	88200000	465	589	88150000	-0.14507	0.034411	0
chrX	88250001	88350000	467	592	88300000	-0.14621	0.033346	0
chrX	88600001	88700000	36	46	88650000	-0.15767	0.024061	0
chrX	88850001	88950000	31	32	88900000	0.150159	0.02897	0
chrX	89050001	89150000	27	35	89100000	-0.17843	0.012746	0
chrX	89250001	89350000	340	432	89300000	-0.14953	0.030391	0
chrX	89550001	89650000	26	33	89600000	-0.14799	0.031734	0

chrX	89900001	90000000	42	53	89950000	-0.13964	0.039894	0
chrX	90050001	90150000	50	64	90100000	-0.16018	0.022351	0
chrX	90150001	90250000	20	26	90200000	-0.18255	0.011161	0
chrX	90200001	90300000	55	69	90250000	-0.1312	0.049805	0
chrX	90400001	90500000	26	27	90450000	0.141515	0.036962	0
chrX	90500001	90600000	293	370	90550000	-0.14066	0.038812	0
chrX	90600001	90700000	363	472	90650000	-0.18285	0.011051	0
chrX	91050001	91150000	20	26	91100000	-0.18255	0.011161	0
chrX	91550001	91650000	36	37	91600000	0.156435	0.024117	0
chrX	91800001	91900000	34	35	91850000	0.154143	0.025803	0
chrX	91850001	91950000	33	34	91900000	0.152894	0.026763	0
chrX	92000001	92100000	31	32	92050000	0.150159	0.02897	0
chrX	92350001	92450000	276	355	92400000	-0.16719	0.018111	0
chrX	92500001	92600000	355	449	92550000	-0.14293	0.036492	0
chrX	92650001	92750000	368	472	92700000	-0.16312	0.020481	0
chrX	92950001	93050000	395	497	9.30E+07	-0.13543	0.044616	0
chrX	93400001	93500000	400	508	93450000	-0.14887	0.030967	0
chrX	93600001	93700000	375	474	93650000	-0.14203	0.037397	0
chrX	94000001	94100000	314	404	94050000	-0.16763	0.017869	0
chrX	94250001	94350000	370	482	94300000	-0.18554	0.010118	0
chrX	94350001	94450000	372	479	94400000	-0.16876	0.01726	0
chrX	94450001	94550000	350	446	94500000	-0.15373	0.026976	0
chrX	94750001	94850000	372	468	94800000	-0.13524	0.044836	0
chrX	94850001	94950000	358	460	94900000	-0.16571	0.018942	0
chrX	95450001	95550000	321	410	95500000	-0.15709	0.024476	0
chrX	96050001	96150000	431	545	96100000	-0.14261	0.036819	0
chrX	96350001	96450000	270	282	96400000	0.133227	0.046238	0
chrX	97100001	97200000	416	534	97150000	-0.16429	0.019771	0
chrX	97150001	97250000	378	478	97200000	-0.14266	0.036763	0
chrX	97950001	98050000	385	495	9.80E+07	-0.16661	0.018434	0
chrX	98650001	98750000	392	503	98700000	-0.16374	0.020101	0
chrX	98750001	98850000	374	472	98800000	-0.13979	0.039738	0
chrX	99250001	99350000	403	516	99300000	-0.16063	0.022058	0
chrX	99300001	99400000	351	455	99350000	-0.17843	0.012746	0
chrX	99600001	99700000	517	651	99650000	-0.13653	0.04334	0
chrX	1E+08	1E+08	524	539	1E+08	0.155245	0.02498	0
chrX	1E+08	1.01E+08	491	627	1.01E+08	-0.15678	0.024697	0
chrX	1.01E+08	1.01E+08	371	469	1.01E+08	-0.14221	0.037222	0
chrX	1.01E+08	1.02E+08	7	9	1.02E+08	-0.16661	0.018434	0
chrX	1.02E+08	1.02E+08	484	618	1.02E+08	-0.15664	0.0248	0
chrX	1.02E+08	1.03E+08	498	630	1.03E+08	-0.14324	0.036184	0
chrX	1.04E+08	1.04E+08	477	610	1.04E+08	-0.15886	0.023241	0
chrX	1.04E+08	1.04E+08	377	474	1.04E+08	-0.13436	0.045886	0
chrX	1.05E+08	1.05E+08	393	496	1.05E+08	-0.13985	0.039672	0
chrX	1.05E+08	1.05E+08	448	577	1.05E+08	-0.16911	0.017076	0
chrX	1.05E+08	1.05E+08	382	494	1.05E+08	-0.17498	0.014225	0
chrX	1.05E+08	1.05E+08	385	492	1.05E+08	-0.15784	0.023946	0

chrX	1.05E+08	1.05E+08	409	530	1.05E+08	-0.17793	0.012953	0
chrX	1.05E+08	1.05E+08	390	493	1.05E+08	-0.14215	0.037278	0
chrX	1.06E+08	1.06E+08	430	544	1.06E+08	-0.14331	0.036121	0
chrX	1.06E+08	1.06E+08	429	549	1.06E+08	-0.15987	0.022561	0
chrX	1.06E+08	1.06E+08	428	548	1.06E+08	-0.1606	0.022075	0
chrX	1.06E+08	1.06E+08	473	596	1.06E+08	-0.13751	0.04223	0
chrX	1.06E+08	1.06E+08	451	571	1.06E+08	-0.1444	0.035055	0
chrX	1.06E+08	1.06E+08	577	596	1.06E+08	0.149222	0.02976	0
chrX	1.07E+08	1.07E+08	482	607	1.07E+08	-0.1367	0.043146	0
chrX	1.07E+08	1.07E+08	537	680	1.07E+08	-0.14465	0.034816	0
chrX	1.07E+08	1.08E+08	542	685	1.07E+08	-0.14185	0.037585	0
chrX	1.08E+08	1.08E+08	484	626	1.08E+08	-0.17519	0.014128	0
chrX	1.08E+08	1.08E+08	466	587	1.08E+08	-0.13707	0.042728	0
chrX	1.08E+08	1.08E+08	362	467	1.08E+08	-0.17147	0.015874	0
chrX	1.08E+08	1.08E+08	405	509	1.08E+08	-0.13378	0.046585	0
chrX	1.08E+08	1.09E+08	345	440	1.08E+08	-0.15494	0.026046	0
chrX	1.09E+08	1.09E+08	427	539	1.09E+08	-0.14009	0.039418	0
chrX	1.09E+08	1.09E+08	473	614	1.09E+08	-0.18044	0.011952	0
chrX	1.09E+08	1.09E+08	509	639	1.09E+08	-0.13219	0.048554	0
chrX	1.09E+08	1.09E+08	516	651	1.09E+08	-0.13932	0.040234	0
chrX	1.09E+08	1.09E+08	524	531	1.09E+08	0.176818	0.012799	0
chrX	1.09E+08	1.09E+08	543	565	1.09E+08	0.138664	0.039964	0
chrX	1.09E+08	1.09E+08	632	644	1.09E+08	0.168827	0.016522	0
chrX	1.1E+08	1.1E+08	548	696	1.1E+08	-0.14895	0.030895	0
chrX	1.1E+08	1.1E+08	516	653	1.1E+08	-0.14375	0.035687	0
chrX	1.1E+08	1.11E+08	464	586	1.1E+08	-0.14081	0.038654	0
chrX	1.11E+08	1.11E+08	285	362	1.11E+08	-0.14906	0.030794	0
chrX	1.11E+08	1.11E+08	220	280	1.11E+08	-0.15196	0.028373	0
chrX	1.11E+08	1.11E+08	249	252	1.11E+08	0.178685	0.012043	0
chrX	1.11E+08	1.11E+08	226	234	1.11E+08	0.145777	0.03282	0
chrX	1.12E+08	1.12E+08	194	244	1.12E+08	-0.13486	0.045287	0
chrX	1.13E+08	1.13E+08	231	291	1.13E+08	-0.13716	0.04262	0
chrX	1.13E+08	1.14E+08	240	304	1.13E+08	-0.14507	0.034411	0
chrX	1.14E+08	1.14E+08	199	252	1.14E+08	-0.14469	0.034775	0
chrX	1.14E+08	1.14E+08	260	263	1.14E+08	0.179412	0.011759	0
chrX	1.14E+08	1.14E+08	245	252	1.14E+08	0.155321	0.024924	0
chrX	1.14E+08	1.14E+08	218	278	1.14E+08	-0.15479	0.02616	0
chrX	1.14E+08	1.14E+08	273	278	1.14E+08	0.169779	0.016035	0
chrX	1.14E+08	1.14E+08	237	303	1.14E+08	-0.15847	0.023508	0
chrX	1.15E+08	1.15E+08	266	343	1.15E+08	-0.17082	0.016198	0
chrX	1.15E+08	1.15E+08	288	301	1.15E+08	0.132268	0.047423	0
chrX	1.16E+08	1.16E+08	215	225	1.16E+08	0.130375	0.049834	0
chrX	1.16E+08	1.16E+08	184	237	1.16E+08	-0.16922	0.017019	0
chrX	1.16E+08	1.16E+08	178	225	1.16E+08	-0.14208	0.037345	0
chrX	1.17E+08	1.17E+08	212	215	1.17E+08	0.175691	0.013276	0
chrX	1.17E+08	1.17E+08	220	283	1.17E+08	-0.16734	0.018029	0
chrX	1.17E+08	1.17E+08	216	276	1.17E+08	-0.15767	0.024061	0

chrX	1.18E+08	1.18E+08	267	279	1.18E+08	0.132538	0.047088	0
chrX	1.18E+08	1.18E+08	249	319	1.18E+08	-0.16145	0.021528	0
chrX	1.18E+08	1.19E+08	273	281	1.19E+08	0.154294	0.025689	0
chrX	1.19E+08	1.19E+08	272	283	1.19E+08	0.138768	0.039852	0
chrX	1.19E+08	1.19E+08	152	191	1.19E+08	-0.13354	0.046881	0
chrX	1.19E+08	1.2E+08	276	280	1.2E+08	0.175204	0.013486	0
chrX	1.2E+08	1.2E+08	270	343	1.2E+08	-0.14929	0.030603	0
chrX	1.2E+08	1.2E+08	232	297	1.2E+08	-0.16038	0.022223	0
chrX	1.2E+08	1.2E+08	220	279	1.2E+08	-0.1468	0.032807	0
chrX	1.21E+08	1.21E+08	196	252	1.21E+08	-0.16661	0.018434	0
chrX	1.21E+08	1.21E+08	198	250	1.21E+08	-0.14046	0.039018	0
chrX	1.21E+08	1.21E+08	215	275	1.21E+08	-0.15913	0.023054	0
chrX	1.21E+08	1.21E+08	186	240	1.21E+08	-0.17177	0.015728	0
chrX	1.21E+08	1.21E+08	207	265	1.21E+08	-0.1604	0.022208	0
chrX	1.21E+08	1.22E+08	172	221	1.21E+08	-0.16567	0.018963	0
chrX	1.22E+08	1.22E+08	199	250	1.22E+08	-0.1332	0.047299	0
chrX	1.22E+08	1.22E+08	260	328	1.22E+08	-0.13922	0.040344	0
chrX	1.23E+08	1.23E+08	233	296	1.23E+08	-0.1493	0.030588	0
chrX	1.23E+08	1.23E+08	247	321	1.23E+08	-0.1821	0.011325	0
chrX	1.23E+08	1.23E+08	234	304	1.23E+08	-0.1816	0.01151	0
chrX	1.23E+08	1.23E+08	226	289	1.23E+08	-0.15878	0.023291	0
chrX	1.23E+08	1.23E+08	236	304	1.23E+08	-0.16932	0.016965	0
chrX	1.24E+08	1.24E+08	237	301	1.24E+08	-0.14891	0.030925	0
chrX	1.26E+08	1.26E+08	175	228	1.26E+08	-0.18572	0.010062	0
chrX	1.26E+08	1.26E+08	226	231	1.26E+08	0.164393	0.018963	0
chrX	1.26E+08	1.26E+08	216	219	1.26E+08	0.176063	0.013117	0
chrX	1.26E+08	1.26E+08	223	231	1.26E+08	0.145114	0.033439	0
chrX	1.27E+08	1.27E+08	185	237	1.27E+08	-0.1614	0.021559	0
chrX	1.27E+08	1.27E+08	164	210	1.27E+08	-0.16073	0.021991	0
chrX	1.27E+08	1.27E+08	204	212	1.27E+08	0.140468	0.038042	0
chrX	1.27E+08	1.27E+08	199	256	1.27E+08	-0.16741	0.017987	0
chrX	1.27E+08	1.27E+08	194	251	1.27E+08	-0.17567	0.013918	0
chrX	1.27E+08	1.27E+08	226	235	1.27E+08	0.139625	0.038931	0
chrX	1.28E+08	1.28E+08	203	262	1.28E+08	-0.17212	0.015555	0
chrX	1.28E+08	1.28E+08	203	255	1.28E+08	-0.13305	0.047474	0
chrX	1.29E+08	1.29E+08	398	408	1.29E+08	0.160162	0.021572	0
chrX	1.29E+08	1.29E+08	326	331	1.29E+08	0.174004	0.014018	0
chrX	1.29E+08	1.29E+08	313	316	1.29E+08	0.182201	0.010723	0
chrX	1.3E+08	1.3E+08	276	352	1.3E+08	-0.15494	0.026046	0
chrX	1.3E+08	1.3E+08	293	305	1.3E+08	0.138054	0.040631	0
chrX	1.3E+08	1.3E+08	314	319	1.3E+08	0.173171	0.014397	0
chrX	1.3E+08	1.3E+08	217	223	1.3E+08	0.156614	0.023988	0
chrX	1.3E+08	1.31E+08	255	263	1.31E+08	0.151397	0.027953	0
chrX	1.31E+08	1.32E+08	235	296	1.31E+08	-0.13697	0.042835	0
chrX	1.32E+08	1.32E+08	280	362	1.32E+08	-0.1746	0.014394	0
chrX	1.32E+08	1.32E+08	297	306	1.32E+08	0.152894	0.026763	0
chrX	1.32E+08	1.33E+08	224	282	1.32E+08	-0.13623	0.043681	0

chrX	1.33E+08	1.33E+08	231	297	1.33E+08	-0.16661	0.018434	0
chrX	1.33E+08	1.33E+08	216	224	1.33E+08	0.143496	0.034987	0
chrX	1.34E+08	1.34E+08	263	330	1.34E+08	-0.13144	0.0495	0
chrX	1.34E+08	1.34E+08	122	155	1.34E+08	-0.14942	0.030485	0
chrX	1.34E+08	1.35E+08	298	308	1.35E+08	0.148345	0.030516	0
chrX	1.35E+08	1.35E+08	249	317	1.35E+08	-0.15237	0.02804	0
chrX	1.36E+08	1.36E+08	271	344	1.36E+08	-0.14815	0.031592	0
chrX	1.36E+08	1.36E+08	242	309	1.36E+08	-0.15664	0.0248	0
chrX	1.36E+08	1.37E+08	306	395	1.37E+08	-0.17236	0.015442	0
chrX	1.37E+08	1.38E+08	186	238	1.38E+08	-0.1597	0.022674	0
chrX	1.38E+08	1.38E+08	214	271	1.38E+08	-0.14472	0.034749	0
chrX	1.38E+08	1.38E+08	228	287	1.38E+08	-0.13605	0.043889	0
chrX	1.38E+08	1.38E+08	203	260	1.38E+08	-0.16107	0.021771	0
chrX	1.38E+08	1.38E+08	205	261	1.38E+08	-0.15246	0.027969	0
chrX	1.38E+08	1.38E+08	211	215	1.38E+08	0.168869	0.0165	0
chrX	1.39E+08	1.39E+08	197	248	1.39E+08	-0.13618	0.043741	0
chrX	1.39E+08	1.39E+08	205	258	1.39E+08	-0.13578	0.044202	0
chrX	1.39E+08	1.39E+08	134	171	1.39E+08	-0.1558	0.025409	0
chrX	1.39E+08	1.39E+08	166	170	1.39E+08	0.161612	0.020646	0
chrX	1.39E+08	1.39E+08	200	256	1.39E+08	-0.16018	0.022351	0
chrX	1.4E+08	1.4E+08	198	250	1.4E+08	-0.14046	0.039018	0
chrX	1.4E+08	1.4E+08	233	295	1.4E+08	-0.14442	0.035034	0
chrX	1.4E+08	1.4E+08	222	285	1.4E+08	-0.16444	0.019684	0
chrX	1.4E+08	1.4E+08	60	76	1.4E+08	-0.14507	0.034411	0
chrX	1.4E+08	1.4E+08	140	177	1.4E+08	-0.14236	0.037067	0
chrX	1.4E+08	1.41E+08	181	230	1.41E+08	-0.14968	0.030265	0
chrX	1.41E+08	1.41E+08	160	208	1.41E+08	-0.18255	0.011161	0
chrX	1.42E+08	1.42E+08	180	227	1.42E+08	-0.13873	0.040876	0
chrX	1.42E+08	1.42E+08	182	231	1.42E+08	-0.14799	0.031734	0
chrX	1.42E+08	1.42E+08	192	249	1.42E+08	-0.17908	0.012486	0
chrX	1.42E+08	1.42E+08	185	240	1.42E+08	-0.17955	0.012299	0
chrX	1.42E+08	1.42E+08	222	226	1.42E+08	0.1702	0.015823	0
chrX	1.43E+08	1.43E+08	183	234	1.43E+08	-0.1587	0.023347	0
chrX	1.43E+08	1.43E+08	207	214	1.43E+08	0.147983	0.030832	0
chrX	1.43E+08	1.43E+08	126	129	1.43E+08	0.162016	0.020394	0
chrX	1.43E+08	1.43E+08	184	235	1.43E+08	-0.15699	0.024544	0
chrX	1.43E+08	1.44E+08	187	237	1.43E+08	-0.14589	0.033648	0
chrX	1.44E+08	1.44E+08	196	250	1.44E+08	-0.15511	0.025921	0
chrX	1.45E+08	1.45E+08	210	214	1.45E+08	0.168742	0.016566	0
chrX	1.45E+08	1.45E+08	209	211	1.45E+08	0.182223	0.010715	0
chrX	1.45E+08	1.45E+08	191	248	1.45E+08	-0.1808	0.01181	0
chrX	1.46E+08	1.46E+08	188	237	1.46E+08	-0.13819	0.04147	0
chrX	1.46E+08	1.46E+08	173	223	1.46E+08	-0.17031	0.016456	0
chrX	1.47E+08	1.47E+08	215	273	1.47E+08	-0.1486	0.031197	0
chrX	1.47E+08	1.47E+08	196	200	1.47E+08	0.166817	0.017593	0
chrX	1.47E+08	1.48E+08	228	287	1.48E+08	-0.13605	0.043889	0
chrX	1.48E+08	1.48E+08	246	320	1.48E+08	-0.18345	0.010838	0

chrX	1.48E+08	1.48E+08	209	266	1.48E+08	-0.15196	0.028373	0
chrX	1.49E+08	1.49E+08	229	237	1.49E+08	0.146424	0.032227	0
chrX	1.49E+08	1.49E+08	109	139	1.49E+08	-0.15479	0.02616	0
chrX	1.5E+08	1.5E+08	358	373	1.5E+08	0.136747	0.042092	0
chrX	1.5E+08	1.5E+08	284	366	1.5E+08	-0.16999	0.016619	0
chrX	1.5E+08	1.5E+08	286	360	1.5E+08	-0.13602	0.04393	0
chrX	1.5E+08	1.5E+08	335	342	1.5E+08	0.166128	0.017974	0
chrX	1.5E+08	1.5E+08	315	325	1.5E+08	0.150875	0.028378	0
chrX	1.51E+08	1.51E+08	261	270	1.51E+08	0.147053	0.031658	0
chrX	1.51E+08	1.52E+08	217	227	1.51E+08	0.130966	0.049071	0
chrX	1.52E+08	1.52E+08	275	282	1.52E+08	0.159699	0.021875	0
chrX	1.52E+08	1.52E+08	275	278	1.52E+08	0.18031	0.011416	0
chrX	1.52E+08	1.52E+08	283	295	1.52E+08	0.13605	0.042888	0
chrX	1.52E+08	1.52E+08	228	236	1.52E+08	0.14621	0.032422	0
chrX	1.52E+08	1.52E+08	122	158	1.52E+08	-0.17708	0.013308	0
chrX	1.53E+08	1.53E+08	317	402	1.53E+08	-0.14675	0.032852	0
chrX	1.53E+08	1.53E+08	414	423	1.53E+08	0.164936	0.018648	0
chrX	1.53E+08	1.54E+08	113	116	1.54E+08	0.158161	0.022908	0
chrX	1.54E+08	1.54E+08	314	323	1.54E+08	0.155193	0.025018	0
chrY	2650001	2750000	1	1	2700000	0.195963	0.006694	0
chrY	2700001	2800000	1	1	2750000	0.195963	0.006694	0
chrY	2900001	3000000	4	2	2950000	1.195963	1.84E-42	0
chrY	2950001	3050000	1	3	3.00E+06	-1.389	6.26E-48	0
chrY	3000001	3100000	0	1	3050000	#NAME?	3.67E-137	0
chrY	3450001	3550000	0	1	3500000	#NAME?	3.67E-137	0
chrY	3500001	3600000	2	2	3550000	0.195963	0.006694	0
chrY	3550001	3650000	2	2	3600000	0.195963	0.006694	0
chrY	3600001	3700000	0	2	3650000	#NAME?	3.67E-137	0
chrY	3650001	3750000	26	46	3700000	-0.62716	2.93E-14	0
chrY	3700001	3800000	26	45	3750000	-0.59545	3.98E-13	0
chrY	3750001	3850000	0	1	3800000	#NAME?	3.67E-137	0
chrY	3800001	3900000	1	1	3850000	0.195963	0.006694	0
chrY	3850001	3950000	2	1	3900000	1.195963	1.84E-42	0
chrY	3900001	4000000	3	3	3950000	0.195963	0.006694	0
chrY	3950001	4050000	2	2	4.00E+06	0.195963	0.006694	0
chrY	4100001	4200000	0	1	4150000	#NAME?	3.67E-137	0
chrY	4150001	4250000	0	1	4200000	#NAME?	3.67E-137	0
chrY	4350001	4450000	1	1	4400000	0.195963	0.006694	0
chrY	4650001	4750000	0	1	4700000	#NAME?	3.67E-137	0
chrY	4700001	4800000	1	1	4750000	0.195963	0.006694	0
chrY	4950001	5050000	1	1	5.00E+06	0.195963	0.006694	0
chrY	5000001	5100000	1	2	5050000	-0.80404	3.29E-21	0
chrY	5050001	5150000	2	1	5100000	1.195963	1.84E-42	0
chrY	5200001	5300000	2	4	5250000	-0.80404	3.29E-21	0
chrY	5250001	5350000	0	4	5300000	#NAME?	3.67E-137	0
chrY	5400001	5500000	1	1	5450000	0.195963	0.006694	0
chrY	5650001	5750000	1	1	5700000	0.195963	0.006694	0

chrY	5700001	5800000	1	1	5750000	0.195963	0.006694	0
chrY	5750001	5850000	1	1	5800000	0.195963	0.006694	0
chrY	6350001	6450000	3	3	6400000	0.195963	0.006694	0
chrY	6400001	6500000	3	5	6450000	-0.541	2.84E-11	0
chrY	7150001	7250000	0	1	7200000	#NAME?	3.67E-137	0
chrY	7200001	7300000	0	2	7250000	#NAME?	3.67E-137	0
chrY	7250001	7350000	0	1	7300000	#NAME?	3.67E-137	0
chrY	7350001	7450000	2	1	7400000	1.195963	1.84E-42	0
chrY	7400001	7500000	1	1	7450000	0.195963	0.006694	0
chrY	8100001	8200000	0	1	8150000	#NAME?	3.67E-137	0
chrY	8150001	8250000	0	1	8200000	#NAME?	3.67E-137	0
chrY	8900001	9000000	0	1	8950000	#NAME?	3.67E-137	0
chrY	8950001	9050000	0	1	9.00E+06	#NAME?	3.67E-137	0
chrY	9000001	9100000	1	1	9050000	0.195963	0.006694	0
chrY	9050001	9150000	1	1	9100000	0.195963	0.006694	0
chrY	9350001	9450000	0	1	9400000	#NAME?	3.67E-137	0
chrY	9400001	9500000	0	2	9450000	#NAME?	3.67E-137	0
chrY	9450001	9550000	0	1	9500000	#NAME?	3.67E-137	0
chrY	10050001	10150000	35	60	10100000	-0.58164	1.21E-12	0
chrY	13150001	13250000	27	24	13200000	0.365888	2.19E-06	0
chrY	13200001	13300000	102	139	13250000	-0.25055	0.000898	0
chrY	13250001	13350000	134	195	13300000	-0.34528	9.79E-06	0
chrY	13300001	13400000	53	83	13350000	-0.45116	1.69E-08	0
chrY	13350001	13450000	174	242	13400000	-0.27996	0.00025	0
chrY	13700001	13800000	24	33	13750000	-0.26347	0.000519	0
chrY	13900001	14000000	4	2	13950000	1.195963	1.84E-42	0
chrY	13950001	14050000	2	1	1.40E+07	1.195963	1.84E-42	0
chrY	14000001	14100000	1	1	14050000	0.195963	0.006694	0
chrY	14050001	14150000	2	1	14100000	1.195963	1.84E-42	0
chrY	14850001	14950000	1	1	14900000	0.195963	0.006694	0
chrY	14900001	15000000	0	1	14950000	#NAME?	3.67E-137	0
chrY	15550001	15650000	3	2	15600000	0.780926	1.60E-21	0
chrY	15600001	15700000	3	2	15650000	0.780926	1.60E-21	0
chrY	15800001	15900000	0	1	15850000	#NAME?	3.67E-137	0
chrY	15850001	15950000	0	1	15900000	#NAME?	3.67E-137	0
chrY	15950001	16050000	0	1	1.60E+07	#NAME?	3.67E-137	0
chrY	16000001	16100000	1	1	16050000	0.195963	0.006694	0
chrY	16350001	16450000	1	1	16400000	0.195963	0.006694	0
chrY	16400001	16500000	2	2	16450000	0.195963	0.006694	0
chrY	16450001	16550000	1	2	16500000	-0.80404	3.29E-21	0
chrY	16500001	16600000	0	1	16550000	#NAME?	3.67E-137	0
chrY	16800001	16900000	0	1	16850000	#NAME?	3.67E-137	0
chrY	16850001	16950000	0	1	16900000	#NAME?	3.67E-137	0
chrY	17200001	17300000	0	1	17250000	#NAME?	3.67E-137	0
chrY	17250001	17350000	1	1	17300000	0.195963	0.006694	0
chrY	17750001	17850000	2	4	17800000	-0.80404	3.29E-21	0
chrY	17800001	17900000	3	4	17850000	-0.21907	0.003112	0



chrY	17850001	17950000	2	1	17900000	1.195963	1.84E-42	0
chrY	17900001	18000000	2	3	17950000	-0.389	8.31E-07	0
chrY	17950001	18050000	1	3	1.80E+07	-1.389	6.26E-48	0
chrY	18000001	18100000	0	1	18050000	#NAME?	3.67E-137	0
chrY	18150001	18250000	1	1	18200000	0.195963	0.006694	0
chrY	18200001	18300000	0	1	18250000	#NAME?	3.67E-137	0
chrY	18650001	18750000	0	1	18700000	#NAME?	3.67E-137	0
chrY	18700001	18800000	0	2	18750000	#NAME?	3.67E-137	0
chrY	18750001	18850000	0	1	18800000	#NAME?	3.67E-137	0
chrY	18900001	19000000	3	2	18950000	0.780926	1.60E-21	0
chrY	18950001	19050000	4	4	1.90E+07	0.195963	0.006694	0
chrY	19000001	19100000	2	2	19050000	0.195963	0.006694	0
chrY	19150001	19250000	1	1	19200000	0.195963	0.006694	0
chrY	19200001	19300000	2	2	19250000	0.195963	0.006694	0
chrY	19250001	19350000	3	1	19300000	1.780926	4.68E-73	0
chrY	19300001	19400000	2	2	19350000	0.195963	0.006694	0
chrY	19350001	19450000	1	2	19400000	-0.80404	3.29E-21	0
chrY	20000001	20100000	0	1	20050000	#NAME?	3.67E-137	0
chrY	20050001	20150000	0	1	20100000	#NAME?	3.67E-137	0
chrY	20550001	20650000	0	1	20600000	#NAME?	3.67E-137	0
chrY	20600001	20700000	0	1	20650000	#NAME?	3.67E-137	0
chrY	21050001	21150000	0	1	21100000	#NAME?	3.67E-137	0
chrY	21100001	21200000	13	8	21150000	0.896403	5.56E-27	0
chrY	21150001	21250000	13	7	21200000	1.089048	8.60E-37	0
chrY	21500001	21600000	1	1	21550000	0.195963	0.006694	0
chrY	21800001	21900000	2	1	21850000	1.195963	1.84E-42	0
chrY	22100001	22200000	0	1	22150000	#NAME?	3.67E-137	0
chrY	22150001	22250000	0	1	22200000	#NAME?	3.67E-137	0
chrY	22650001	22750000	0	1	22700000	#NAME?	3.67E-137	0
chrY	22700001	22800000	0	1	22750000	#NAME?	3.67E-137	0
chrY	23750001	23850000	0	1	23800000	#NAME?	3.67E-137	0
chrY	23800001	23900000	0	1	23850000	#NAME?	3.67E-137	0
chrY	23900001	24000000	0	1	23950000	#NAME?	3.67E-137	0
chrY	23950001	24050000	0	1	2.40E+07	#NAME?	3.67E-137	0
chrY	24350001	24450000	0	1	24400000	#NAME?	3.67E-137	0
chrY	24400001	24500000	0	1	24450000	#NAME?	3.67E-137	0
chrY	25150001	25250000	0	1	25200000	#NAME?	3.67E-137	0
chrY	25200001	25300000	0	1	25250000	#NAME?	3.67E-137	0
chrY	25350001	25450000	0	1	25400000	#NAME?	3.67E-137	0
chrY	25400001	25500000	1	1	25450000	0.195963	0.006694	0
chrY	26000001	26100000	1	2	26050000	-0.80404	3.29E-21	0
chrY	26050001	26150000	1	2	26100000	-0.80404	3.29E-21	0
chrY	26400001	26500000	0	1	26450000	#NAME?	3.67E-137	0
chrY	26450001	26550000	0	1	26500000	#NAME?	3.67E-137	0
chrY	27700001	27800000	0	1	27750000	#NAME?	3.67E-137	0
chrY	27750001	27850000	0	1	27800000	#NAME?	3.67E-137	0
chrY	28400001	28500000	0	1	28450000	#NAME?	3.67E-137	0

chrY	28450001	28550000	0	1	28500000	#NAME?	3.67E-137	0
chrY	28550001	28650000	4	7	28600000	-0.61139	1.08E-13	0
chrY	28600001	28700000	2	4	28650000	-0.80404	3.29E-21	0
chrY	28650001	28750000	2	3	28700000	-0.389	8.31E-07	0
chrY	28800001	28900000	21	20	28850000	0.266352	0.000395	0
chrY	58750001	58850000	7	7	58800000	0.195963	0.006694	0
chrY	58800001	58900000	9	8	58850000	0.365888	2.19E-06	0
chrY	58850001	58950000	3	1	58900000	1.780926	4.68E-73	0
chrY	13100001	13200000	86	89	13150000	0.146494	0.032163	0
chrY	58900001	59000000	692	870	58950000	-0.13428	0.045981	0

cnv.size	cnv.log2	cnv.p.value
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
2.00E+05	-1.569571711	8.99E-218
2.00E+05	-1.569571711	8.99E-218
2.00E+05	-1.569571711	8.99E-218
2.00E+05	-1.569571711	8.99E-218
3.00E+05	-2.125965059	0
3.00E+05	-2.125965059	0
3.00E+05	-2.125965059	0
3.00E+05	-2.125965059	0
3.00E+05	-2.125965059	0
3.00E+05	-2.125965059	0
350000	-1.492092958	0
350000	-1.492092958	0
350000	-1.492092958	0
350000	-1.492092958	0
350000	-1.492092958	0
350000	-1.492092958	0
3.00E+05	-1.251495942	8.02E-238
3.00E+05	-1.251495942	8.02E-238
3.00E+05	-1.251495942	8.02E-238
3.00E+05	-1.251495942	8.02E-238
3.00E+05	-1.251495942	8.02E-238
3.00E+05	-1.251495942	8.02E-238
2.00E+05	0.973570614	9.78E-117
2.00E+05	0.973570614	9.78E-117
2.00E+05	0.973570614	9.78E-117
2.00E+05	0.973570614	9.78E-117
250000	-1.070823505	1.54E-156
250000	-1.070823505	1.54E-156
250000	-1.070823505	1.54E-156
250000	-1.070823505	1.54E-156
2.00E+05	1.026038034	2.05E-127
2.00E+05	1.026038034	2.05E-127
2.00E+05	1.026038034	2.05E-127
2.00E+05	-1.71092756	1.44E-242
2.00E+05	-1.71092756	1.44E-242
2.00E+05	-1.71092756	1.44E-242
2.00E+05	-1.71092756	1.44E-242
2.00E+05	2.003317957	0
2.00E+05	2.003317957	0

250000	#NAME?	0
250000	#NAME?	0
250000	#NAME?	0
250000	#NAME?	0
250000	#NAME?	0
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
250000	-1.541002559	2.83E-265
2.00E+05	#NAME?	0
2.00E+05	#NAME?	0
2.00E+05	#NAME?	0
2.00E+05	#NAME?	0
2.00E+05	-2.125965059	0
2.00E+05	-2.125965059	0
2.00E+05	-2.125965059	0
2.00E+05	-2.125965059	0
250000	-2.125965059	0
250000	-2.125965059	0
250000	-2.125965059	0
250000	-2.125965059	0
250000	-2.125965059	0
2.00E+05	-0.804036965	1.59E-78
2.00E+05	-0.804036965	1.59E-78
2.00E+05	-0.804036965	1.59E-78
2.00E+05	-0.804036965	1.59E-78
3.00E+05	2.003317957	0
3.00E+05	2.003317957	0
250000	1.574474659	1.02E-303
250000	1.574474659	1.02E-303
250000	1.574474659	1.02E-303
250000	1.574474659	1.02E-303
250000	1.574474659	1.02E-303
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
4.00E+05	-1.334551681	0
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	NA













































































































































































































































































































































































































































































































































































































































































































































































































