

**Differential DNA methylation in high-grade serous ovarian cancer (HGSOC)
is associated with tumor behavior**

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**Supplemental Table 1: Long-range "open seas" with significant differential
methylation signatures. Negative methylation values represent hypo-
methylation in HGSOC compared with fallopian tube controls.
Chromosome coordinates are GRCh38 numbers.**

Chromos	Start	End	Length (kb)	value	p-value
1	4886129	5295746	409.6	-0.17369	2.73E-05
1	71809745	72190606	380.9	-0.15652	3.00E-04
1	96144934	96629912	485.0	-0.14793	7.64E-04
1	158217942	158944784	726.8	-0.18	1.00E-08
1	159165562	159697240	531.7	-0.14994	2.73E-04
1	187343088	187840215	497.1	-0.17138	2.73E-05
1	240874827	241639410	764.6	-0.14343	4.09E-04
1	242187498	243100073	912.6	-0.18989	1.00E-08
1	243706206	244192443	486.2	-0.13064	9.83E-04
1	248159309	248907659	748.4	-0.14991	2.73E-05
2	1878311	2769039	890.7	-0.14173	8.19E-05
2	3786250	4306408	520.2	-0.14081	9.55E-04
2	13623703	15012948.5	1389.2	-0.16228	1.09E-04
2	21442643	22147895	705.3	-0.14921	3.00E-04
2	49980786	51013681	1032.9	-0.1362	7.91E-04
2	56968218	57771498	803.3	-0.15267	5.19E-04
2	66666971	67041254	374.3	0.15796	1.36E-04
2	116098870	116852238	753.4	-0.16414	1.36E-04
2	125195905	127315703	2119.8	-0.15826	5.46E-05
2	137516183	138045743	529.6	-0.15797	2.18E-04
2	199431605	200245170	813.6	-0.14346	7.10E-04
2	228855878	230179047	1323.2	-0.15675	5.46E-05
3	5796595	6832844	1036.2	-0.15979	1.64E-04
3	76292114	76645048	352.9	-0.15053	6.00E-04
3	84158113	85410842	1252.7	-0.14508	5.46E-04
3	115919469	116535204	615.7	-0.14228	7.91E-04
3	161884911	162135697	250.8	-0.15607	5.46E-04
3	179672470	180297596	625.1	-0.15416	1.91E-04
4	9336287.5	9371217.5	34.9	-0.16897	2.73E-04
4	11967137	12314075	346.9	-0.15494	3.00E-04
4	13767630	14390632	623.0	-0.13634	6.28E-04
4	29710263	29751733	41.5	-0.18738	5.46E-05
4	36641040	37020018	379.0	-0.15596	3.28E-04

4	45946199	46650206	704.0	-0.1708	5.46E-05
5	1892110	5166199.5	3274.1	-0.16634	1.00E-08
5	5535886	6544833	1008.9	-0.15193	2.73E-05
5	7364007	7794275	430.3	-0.15961	1.64E-04
5	11774991	11931819	156.8	-0.17314	8.19E-05
5	113588550	114026851	438.3	-0.15341	2.73E-04
5	152234077	152591026	356.9	-0.18674	1.00E-08
5	152805675	153285036	479.4	-0.1667	2.73E-05
5	161855622	162051083	195.5	-0.20147	1.00E-08
5	163060530	167396870	4336.3	-0.15634	1.00E-08
6	47778694	48971322	1192.6	-0.15637	1.64E-04
6	76782041	77325193	543.2	-0.15087	4.91E-04
6	123343266	123597874	254.6	-0.15867	3.82E-04
6	165821961	166417490	595.5	-0.14501	1.09E-04
7	14165745	14353119.5	187.4	-0.16919	1.64E-04
7	31827390	32315577	488.2	-0.14045	6.00E-04
7	108486939	109096260	609.3	-0.15582	4.91E-04
7	113517552	113952882	435.3	-0.1694	5.46E-05
7	118372311	118498886	126.6	-0.1577	8.46E-04
7	119112663	119260946	148.3	-0.17894	1.00E-08
7	125942245	126496590	554.3	-0.14461	9.01E-04
7	126675358	126884639	209.3	-0.15338	4.09E-04
7	140739534	141190187	450.7	-0.13886	7.64E-04
7	141564636	141999418	434.8	-0.13193	9.28E-04
7	144604903	145450472	845.6	-0.19147	1.00E-08
7	145945578	146130429	184.9	-0.17066	3.00E-04
7	146720272	147849501	1129.2	-0.14559	4.37E-04
7	153754822	154651619	896.8	-0.13565	4.09E-04
7	157255232	158336690	1081.5	-0.17184	1.00E-08
8	798432	1645045	846.6	-0.14425	1.00E-08
8	2009485	3102057.5	1092.6	-0.14679	2.73E-05
8	3233045	4329150	1096.1	-0.14812	3.00E-04
8	4504923.5	5028854	523.9	-0.1686	2.73E-05
8	5367248	6038136	670.9	-0.14892	4.91E-04
8	13707000.5	14018761	311.8	-0.17637	2.73E-05
8	34280422	36235724	1955.3	-0.18573	1.00E-08
8	49846578	51364244	1517.7	-0.15493	2.73E-05
8	51926793	52365888	439.1	-0.16899	5.46E-05
8	62788052	63147364	359.3	-0.14736	7.10E-04
8	65462682	66131741	669.1	-0.16769	2.73E-05
8	76227159	76560371	333.2	-0.14892	8.46E-04
8	85560350	85832904	272.6	-0.17024	5.46E-05
8	109009486	109145172	135.7	-0.15895	3.00E-04
8	111620462	111719992	99.5	-0.1793	1.09E-04
8	113475312	114115265	640.0	-0.15118	4.64E-04
8	131761856	132594841	833.0	-0.14695	4.64E-04
8	135935344	136409523	474.2	-0.16822	5.46E-05

8	137619505	138231660	612.2	-0.17272	1.00E-08
8	138738134	139165566	427.4	-0.19621	1.00E-08
8	140035732	140659783	624.1	-0.15259	2.18E-04
9	10366759	10633641	266.9	-0.18758	1.00E-08
9	23672559.5	24920862	1248.3	-0.16181	1.36E-04
9	25261450	26502756	1241.3	-0.15482	2.73E-04
9	104473642	104757854	284.2	-0.18912	1.00E-08
9	119691550	120210352	518.8	-0.18058	1.00E-08
9	121181018	121505108	324.1	-0.17697	2.73E-05
10	1547721	3015699.5	1468.0	-0.16063	1.00E-08
10	7049378	7477590	428.2	-0.14354	2.73E-04
10	9999498	11272899	1273.4	-0.13016	1.64E-04
10	16032954	16441897	408.9	-0.18741	1.00E-08
10	18124504	18385632	261.1	-0.15176	4.37E-04
10	106232717	107597533	1364.8	-0.15466	1.36E-04
10	107935977	108342212	406.2	-0.14773	6.28E-04
10	108855141	110214215	1359.1	-0.14949	3.00E-04
10	110303937	110701934	398.0	-0.16375	1.36E-04
10	130040865	130659198	618.3	-0.14728	1.36E-04
10	132177258	133648934	1471.7	-0.14374	1.00E-08
11	4713544	5552785	839.2	-0.1668	1.00E-08
11	24436937	24849257	412.3	-0.15912	3.00E-04
11	42862161	43168034	305.9	-0.17017	5.46E-05
11	55338135	56587403.5	1249.3	-0.17735	1.00E-08
11	57881602	58192062	310.5	-0.1473	5.46E-04
11	59659419	60296549	637.1	-0.16174	1.00E-08
11	83153008	83436492.5	283.5	-0.14166	7.37E-04
11	87224821	87434057	209.2	-0.15126	9.55E-04
11	131533252	132891713	1358.5	-0.18474	1.00E-08
12	61899255	62512367	613.1	-0.14714	7.10E-04
12	103437918	103787156	349.2	-0.1613	1.91E-04
12	115468491	116291234	822.7	-0.12532	7.64E-04
12	118955657	119347187	391.5	-0.15951	1.64E-04
12	126520740	127483006	962.3	-0.13385	4.37E-04
12	129415102	130446362	1031.3	-0.15264	2.73E-05
13	26051676	26564488	512.8	-0.14441	3.82E-04
13	56511952	57133493	621.5	-0.1643	1.36E-04
13	61455634	61660030	204.4	-0.16523	2.46E-04
13	107910972	108657826	746.9	-0.1695	1.00E-08
13	109071839	109387041	315.2	-0.15279	4.09E-04
13	112082093	113088886	1006.8	-0.16896	1.00E-08
14	27545522	27836139	290.6	-0.16088	8.19E-04
14	87716101	87897658	181.6	-0.17004	5.46E-05
15	26447291	27035142.5	587.9	-0.15985	1.64E-04
15	37697375	37974776	277.4	-0.16233	7.64E-04
15	53252822	53485623	232.8	-0.1638	2.18E-04
16	5373567	6661697	1288.1	-0.15149	5.46E-05

16	17054840	17685871	631.0	-0.135	1.36E-04
16	17834936	18246884	411.9	-0.15105	2.46E-04
16	25586856	25851007	264.2	-0.15396	4.09E-04
16	48865450	49204333	338.9	-0.14865	4.91E-04
16	60448068	61084547	636.5	-0.1503	9.83E-04
16	76296523	77044480	748.0	-0.15017	2.46E-04
16	82314773	83803650	1488.9	-0.16801	1.00E-08
17	49513053.5	51063065	1550.0	-0.15369	1.00E-08
18	4106506	4599319	492.8	-0.18323	1.00E-08
18	4756135	5232798	476.7	-0.16391	1.36E-04
18	5393019	5747675.5	354.7	-0.15721	2.18E-04
18	66504307.5	67432783	928.5	-0.15701	5.46E-05
18	68664091	69065767	401.7	-0.14733	9.55E-04
18	70339257	71563310	1224.1	-0.14599	1.64E-04
18	75010803	76760253	1749.5	-0.18836	1.00E-08
19	30596691.5	31155284	558.6	-0.14118	5.19E-04
19	31939554	32403368	463.8	-0.15777	3.00E-04
19	54989027	55283829	294.8	-0.12741	9.01E-04
19	56288909.5	56549544	260.6	-0.14977	5.73E-04
20	6246047	7373216	1127.2	-0.15755	2.73E-05
20	40490942	41319967	829.0	-0.15524	1.64E-04
20	41574350	41952073	377.7	-0.16917	5.46E-05
20	58755997	60489355	1733.4	-0.2065	1.00E-08
21	22696706	23493155	796.4	-0.15524	2.18E-04
21	31579225	32334697	755.5	-0.16687	1.00E-08
21	41706246	42259157	552.9	-0.15551	1.64E-04
X	86919857	86919857	0.0	1.01752	6.28E-04

Supplemental Table 2: Short-range "shores" with significant differential methylation signatures. Positive methylation values indicate hypermethylation in HGSOC compared with fallopian tube controls and negative methylation values indicate hypomethylation in HGSOC compared with fallopian tube controls.

Chromosome coordinates are GRCh38 numbers.

Chrom	start	end	Length (kb)	value	p-value
chr1	1297567	1297576	0.01	0.32022	0
chr1	1566351	1566699	0.35	0.29097	0
chr1	2006032	2006139	0.11	0.31908	0
chr1	2205770	2205902	0.13	0.34635	0
chr1	2425860	2425952	0.09	-0.30717	0
chr1	2918724	2918752	0.03	-0.32131	0
chr1	3147622	3147966	0.34	-0.39671	0
chr1	3809431	3809532	0.1	0.32626	0
chr1	4221401	4221485	0.08	-0.29494	0.00064
chr1	4663943	4664431	0.49	-0.28549	0.00042

chr1	5062141	5062216	0.08	-0.34356	0
chr1	6336519	6336743	0.22	0.31057	0
chr1	7913067	7913579	0.51	0.36023	0
chr1	8271918	8272081	0.16	-0.30581	0
chr1	8651018	8651231	0.21	0.29325	0.00085
chr1	10292174	10292195	0.02	0.3386	0
chr1	12164457	12164477	0.02	0.32587	0
chr1	12493605	12493840	0.24	0.30816	0
chr1	16847157	16847214	0.06	0.32108	0
chr1	18686618	18687127	0.51	-0.29188	0
chr1	22416016	22416488	0.47	0.30685	0
chr1	24152579	24152774	0.2	-0.32512	0
chr1	24648203	24648328	0.13	-0.32297	0
chr1	25254129	25254149	0.02	0.29857	0.00021
chr1	25893405	25893744	0.34	0.29929	0
chr1	27189985	27190330	0.35	-0.30116	0
chr1	28843701	28843736	0.04	-0.31924	0
chr1	33231178	33231190	0.01	0.30303	0.00021
chr1	33803805	33804213	0.41	0.32852	0
chr1	34175120	34175317	0.2	-0.2825	0.00021
chr1	38481765	38482118	0.35	0.34725	0
chr1	39724134	39724195	0.06	0.30285	0.00021
chr1	41454155	41454277	0.12	0.307	0
chr1	43609431	43609461	0.03	0.33949	0
chr1	47694919	47695138	0.22	0.33601	0
chr1	47698493	47698976	0.48	0.29322	0
chr1	55013735	55013956	0.22	0.31	0
chr1	55794598	55794878	0.28	0.32516	0
chr1	56975583	56975689	0.11	0.3221	0
chr1	59484600	59484803	0.2	0.28444	0.00042
chr1	61586157	61586195	0.04	0.32404	0
chr1	62438955	62439021	0.07	0.34074	0
chr1	62660435	62660624	0.19	0.35497	0
chr1	62660850	62660861	0.01	0.32059	0
chr1	72382645	72382835	0.19	-0.312	0
chr1	84629943	84630050	0.11	0.29557	0
chr1	89357945	89357988	0.04	-0.31288	0
chr1	91185233	91185422	0.19	0.29777	0.00021
chr1	91185749	91185922	0.17	0.31264	0
chr1	91188999	91189167	0.17	0.29898	0.00021
chr1	91300288	91300390	0.1	0.27801	0.00042
chr1	94079684	94079866	0.18	0.33061	0
chr1	95123877	95124061	0.18	0.3613	0
chr1	95507935	95508282	0.35	0.30632	0
chr1	109506658	109506696	0.04	-0.30326	0.00021
chr1	110254828	110254835	0.01	0.34857	0
chr1	111970925	111971020	0.1	0.28661	0.00021

chr1	114489550	114489995	0.45	0.34261	0
chr1	114842021	114842468	0.45	0.31408	0
chr1	116925194	116925753	0.56	0.34336	0
chr1	118389869	118390138	0.27	0.39743	0
chr1	119526060	119526255	0.2	0.39131	0
chr1	147781212	147781600	0.39	0.33669	0
chr1	147781827	147782558	0.73	0.33182	0
chr1	147790458	147790806	0.35	0.32381	0
chr1	150448887	150448943	0.06	0.3846	0
chr1	150779369	150780019	0.65	0.34382	0
chr1	150780684	150781434	0.75	0.35407	0
chr1	152197889	152198107	0.22	-0.3022	0.00021
chr1	153363020	153363264	0.24	-0.29353	0.00064
chr1	153724779	153725318	0.54	0.37302	0
chr1	154407010	154407027	0.02	0.30199	0.00021
chr1	154407366	154407478	0.11	0.45912	0
chr1	154929455	154929657	0.2	0.31216	0
chr1	154942566	154942910	0.34	0.32446	0
chr1	155188904	155188982	0.08	0.30195	0.00021
chr1	158549277	158549410	0.13	-0.33434	0
chr1	158564533	158564883	0.35	-0.32509	0
chr1	158604822	158605757	0.94	-0.31217	0
chr1	158656484	158656718	0.23	-0.31761	0
chr1	158670617	158670761	0.14	-0.3046	0.00021
chr1	159283536	159284298	0.76	-0.27318	0.00021
chr1	160992119	160992358	0.24	-0.27239	0.00085
chr1	162518082	162518158	0.08	0.3234	0
chr1	162601805	162601807	0	0.32481	0
chr1	164544496	164544748	0.25	0.30837	0
chr1	164545553	164545783	0.23	0.3183	0
chr1	164595186	164595269	0.08	0.27618	0.00042
chr1	164681588	164681652	0.06	0.29038	0
chr1	164744047	164744436	0.39	0.31138	0
chr1	165631596	165631946	0.35	0.30701	0
chr1	166459325	166459524	0.2	-0.31631	0
chr1	167397535	167397908	0.37	0.32524	0
chr1	170638807	170639289	0.48	0.34447	0
chr1	171226993	171227124	0.13	0.28012	0.00042
chr1	172113506	172114857	1.35	0.32762	0
chr1	174968015	174968144	0.13	0.32611	0
chr1	181767736	181767774	0.04	-0.31465	0
chr1	183107083	183107206	0.12	0.30893	0
chr1	187610300	187610488	0.19	-0.29049	0
chr1	201465777	201465789	0.01	0.35318	0
chr1	201982886	201982957	0.07	-0.32529	0
chr1	202379967	202379988	0.02	0.36693	0
chr1	208012106	208012118	0.01	0.29498	0.00064

chr1	210468441	210468650	0.21	0.3201	0
chr1	210501621	210501634	0.01	0.29686	0.00042
chr1	212457424	212457538	0.11	-0.3545	0
chr1	215178601	215178658	0.06	0.33375	0
chr1	221054365	221054430	0.07	0.27638	0.00042
chr1	221055097	221055665	0.57	0.32873	0
chr1	221068423	221069136	0.71	0.33552	0
chr1	225767995	225768233	0.24	0.332	0
chr1	225768784	225769034	0.25	0.45597	0
chr1	226099128	226099147	0.02	0.31575	0
chr1	226862907	226862915	0.01	0.30087	0.00021
chr1	227962723	227963171	0.45	0.3069	0
chr1	234667230	234667363	0.13	0.3372	0
chr1	234908226	234908381	0.16	-0.30491	0.00021
chr1	242351909	242352195	0.29	-0.36608	0
chr1	242767727	242767942	0.22	-0.38332	0
chr1	245499492	245499541	0.05	-0.35732	0
chr1	246743272	246743403	0.13	0.35456	0
chr1	247511364	247511469	0.11	0.31622	0
chr1	248902767	248903100	0.33	-0.32718	0
chr2	468413	468989	0.58	0.30625	0
chr2	875509	875990	0.48	-0.28485	0.00042
chr2	1926535	1926724	0.19	-0.35228	0
chr2	2030359	2030712	0.35	-0.3011	0.00021
chr2	2193511	2193537	0.03	-0.35773	0
chr2	2321772	2321788	0.02	-0.3553	0
chr2	2334766	2334985	0.22	-0.29272	0.00085
chr2	2402353	2402636	0.28	-0.2948	0.00064
chr2	2692854	2692889	0.04	-0.37251	0
chr2	3633407	3633519	0.11	0.37131	0
chr2	3646077	3646196	0.12	-0.31377	0
chr2	3826621	3826631	0.01	-0.31272	0
chr2	4050695	4050845	0.15	-0.36021	0
chr2	8978201	8978225	0.02	-0.39509	0
chr2	9526703	9527051	0.35	-0.39274	0
chr2	10266949	10266986	0.04	0.46046	0
chr2	11606881	11607106	0.23	-0.33448	0
chr2	12443300	12443780	0.48	-0.31545	0
chr2	16804409	16804452	0.04	-0.42433	0
chr2	20650578	20650792	0.21	0.28655	0.00021
chr2	21618087	21618766	0.68	-0.27298	0.00085
chr2	23840537	23840739	0.2	0.2804	0.00042
chr2	27301195	27301369	0.17	0.27867	0.00042
chr2	27301490	27301651	0.16	0.3036	0
chr2	28182529	28182570	0.04	0.40105	0
chr2	28491946	28492416	0.47	0.32055	0
chr2	28857916	28858407	0.49	0.41874	0

chr2	38300537	38300707	0.17	0.28747	0.00021
chr2	38334178	38334245	0.07	0.29354	0.00064
chr2	38947733	38947762	0.03	0.32598	0
chr2	39621470	39621862	0.39	0.3056	0
chr2	40447561	40447599	0.04	0.29537	0.00064
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chr2	42175341	42175351	0.01	0.33511	0
chr2	45028225	45028269	0.04	0.29144	0
chr2	45159434	45159504	0.07	0.29735	0
chr2	45159663	45160490	0.83	0.29869	0
chr2	45395194	45395252	0.06	0.37989	0
chr2	45998165	45998548	0.38	0.29172	0.00085
chr2	46747628	46747951	0.32	0.30255	0.00021
chr2	46997959	46998070	0.11	0.34226	0
chr2	48737157	48737604	0.45	0.33037	0
chr2	55203963	55204245	0.28	0.34568	0
chr2	55339820	55339939	0.12	0.33698	0
chr2	62889846	62889918	0.07	0.50123	0
chr2	66466834	66466894	0.06	0.30888	0
chr2	66687552	66687704	0.15	0.29215	0.00085
chr2	66809959	66809985	0.03	0.29607	0.00064
chr2	66916716	66916737	0.02	0.38783	0
chr2	66918213	66918305	0.09	0.4318	0
chr2	67550622	67551130	0.51	0.37212	0
chr2	67939740	67939758	0.02	0.30237	0.00021
chr2	70322323	70322610	0.29	0.33906	0
chr2	71126275	71126505	0.23	0.32013	0
chr2	71133502	71133854	0.35	0.35015	0
chr2	74663416	74663482	0.07	0.29718	0.00042
chr2	74693332	74693344	0.01	-0.30264	0.00021
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chr2	101541372	101541592	0.22	0.36568	0
chr2	102445604	102445628	0.02	0.3767	0
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chr2	105735617	105735756	0.14	0.30691	0
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chr2	106755481	106755487	0.01	0.34754	0
chr2	113404661	113405125	0.46	-0.29809	0
chr2	127955156	127955187	0.03	-0.33573	0
chr2	130515726	130515731	0.01	0.30042	0.00021
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chr2	175595400	175595575	0.18	-0.28759	0.00021
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chr2	179914864	179915033	0.17	0.32557	0
chr2	187463598	187463618	0.02	0.34912	0
chr2	190276864	190276928	0.06	0.30164	0.00021
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chr2	208631081	208631684	0.6	-0.27504	0.00064
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chr2	208989248	208989382	0.13	0.31813	0
chr2	209224225	209224999	0.77	-0.31097	0
chr2	216616133	216616185	0.05	-0.3091	0
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chr2	231988403	231988509	0.11	0.28396	0.00042
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chr2	238578491	238578727	0.24	0.32734	0
chr2	240143798	240144335	0.54	0.28933	0
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chr2	240866924	240867059	0.14	-0.35728	0
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chr2	242811830	242811864	0.03	-0.30291	0.00021

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chr3	41280495	41280551	0.06	0.30605	0
chr3	41730160	41730177	0.02	0.31486	0
chr3	42108724	42109139	0.42	0.32551	0
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chr3	57162032	57162039	0.01	0.41692	0
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chr3	64193180	64193269	0.09	0.31564	0
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chr3	65387308	65387541	0.23	0.271	0.00085
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chr3	121612944	121612956	0.01	0.373	0
chr3	123339334	123339918	0.58	0.37004	0
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chr3	129693385	129693586	0.2	0.32212	0
chr3	137361526	137361532	0.01	0.32417	0
chr3	141102599	141102964	0.37	0.35651	0
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chr3	156260351	156260776	0.43	0.43661	0

chr3	156266748	156266974	0.23	0.3128	0
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chr3	157812018	157812226	0.21	0.30084	0.00021
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chr3	160120464	160120481	0.02	-0.32578	0
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chr3	185271312	185271385	0.07	-0.42739	0
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chr3	195870009	195870249	0.24	-0.30854	0
chr3	196065318	196065357	0.04	-0.27768	0.00042
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chr4	1411578	1411820	0.24	-0.30176	0.00021
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chr4	6537163	6537220	0.06	-0.32105	0
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chr4	54765826	54766004	0.18	0.31705	0
chr4	56685845	56685972	0.13	0.3218	0
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chr4	84071170	84071553	0.38	0.37057	0
chr4	88449925	88451496	1.57	0.43941	0
chr4	89152212	89152554	0.34	0.33789	0
chr4	95127681	95127703	0.02	-0.31927	0
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chr4	100789493	100789506	0.01	0.33522	0
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chr4	151505084	151505192	0.11	0.2992	0.00021
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chr5	1193503	1193724	0.22	-0.30012	0.00021
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chr5	32445429	32445814	0.39	-0.29503	0
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chr5	140613859	140613998	0.14	0.2966	0
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chr5	142159386	142159393	0.01	0.41247	0
chr5	142922486	142922506	0.02	0.32142	0
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chr5	159596570	159597030	0.46	0.31486	0
chr5	163893881	163894003	0.12	-0.34014	0
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chr5	180591594	180591704	0.11	0.29305	0.00085
chr6	1385731	1386142	0.41	0.30507	0
chr6	1391758	1392624	0.87	0.29062	0
chr6	5132887	5133188	0.3	0.3079	0
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chr6	10416373	10416531	0.16	0.27189	0.00021
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chr6	13874574	13874679	0.11	-0.41019	0
chr6	15463247	15463343	0.1	0.37923	0
chr6	16337711	16337921	0.21	0.3017	0.00021
chr6	16352321	16352745	0.42	0.33974	0
chr6	16747686	16748160	0.47	0.41707	0
chr6	17289613	17290146	0.53	0.29138	0
chr6	17470162	17470599	0.44	0.31587	0
chr6	18824218	18824224	0.01	0.30075	0.00021
chr6	22056238	22056734	0.5	0.29446	0.00064
chr6	25650786	25651144	0.36	-0.29926	0.00021
chr6	26225246	26225407	0.16	0.30462	0
chr6	26226203	26226256	0.05	0.35531	0
chr6	27173633	27173991	0.36	0.32536	0
chr6	27730551	27730563	0.01	0.30283	0.00021
chr6	27832098	27832180	0.08	0.33344	0
chr6	28058724	28059208	0.48	0.33345	0
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chr6	28945322	28945341	0.02	0.29126	0
chr6	30130819	30131001	0.18	-0.35195	0
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chr6	31746808	31746814	0.01	-0.33121	0
chr6	31938773	31938847	0.07	-0.29357	0
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chr6	33173482	33173501	0.02	-0.30023	0
chr6	34482460	34482679	0.22	0.30737	0
chr6	34984836	34984930	0.09	0.33406	0
chr6	35479628	35479648	0.02	0.33164	0
chr6	38672050	38672343	0.29	0.34808	0
chr6	42145954	42146052	0.1	0.35387	0
chr6	42788563	42789053	0.49	0.32319	0
chr6	43082234	43082296	0.06	0.36877	0
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chr6	50480396	50480537	0.14	-0.30275	0.00021
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chr6	76203642	76204172	0.53	0.27342	0.00021
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chr6	90271380	90271989	0.61	0.29232	0
chr6	90272057	90272492	0.44	0.31643	0
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chr6	100911709	100911746	0.04	0.28316	0.00042
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chr6	100916916	100916959	0.04	0.29494	0.00064
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chr6	151521252	151521637	0.39	0.32894	0
chr6	151937260	151937653	0.39	0.31969	0
chr6	152011103	152011415	0.31	0.30174	0
chr6	152702330	152702660	0.33	0.30679	0
chr6	152723267	152723414	0.15	-0.29529	0.00064
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chr6	166247032	166247348	0.32	-0.31335	0
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chr6	169350747	169351479	0.73	0.28614	0
chr6	169399712	169399762	0.05	-0.2963	0
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chr7	1333612	1333912	0.3	-0.3001	0.00021
chr7	1437272	1437409	0.14	-0.31311	0
chr7	1718485	1718541	0.06	-0.28694	0.00021
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chr7	23387365	23387575	0.21	-0.31703	0
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chr7	29519323	29519656	0.33	0.28803	0
chr7	30810183	30810504	0.32	-0.34235	0
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chr7	42237160	42237350	0.19	-0.37753	0
chr7	43288411	43289038	0.63	-0.32047	0
chr7	43652291	43652643	0.35	0.35355	0
chr7	47431773	47432311	0.54	0.29572	0

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chr7	53103789	53104336	0.55	-0.27385	0.00064
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chr7	75596992	75597100	0.11	0.28116	0.00042
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chr7	96622311	96622709	0.4	0.28275	0.00042
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chr7	99229440	99229650	0.21	0.33567	0
chr7	100881113	100881325	0.21	0.29538	0
chr7	101518619	101518899	0.28	0.474	0
chr7	101579929	101580127	0.2	0.36622	0
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chr7	110731116	110731201	0.09	0.3076	0
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chr7	117119195	117119637	0.44	0.29825	0
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chr7	137749927	137750050	0.12	0.3614	0
chr7	138312290	138312324	0.03	0.31943	0
chr7	143582499	143582511	0.01	0.38368	0
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chr8	1136200	1136444	0.24	-0.26824	0.00042
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chr8	29732579	29732714	0.14	0.30496	0
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chr8	30420852	30420906	0.05	0.34819	0
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chr8	38627889	38628418	0.53	0.30345	0
chr8	42066048	42066228	0.18	0.33291	0
chr8	42103037	42103068	0.03	0.30666	0
chr8	42125496	42125522	0.03	0.44201	0
chr8	42358481	42359099	0.62	0.41008	0
chr8	48044616	48044856	0.24	-0.40628	0
chr8	48920450	48920460	0.01	-0.31941	0
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chr8	50424882	50425219	0.34	-0.31343	0
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chr8	52721802	52722237	0.44	0.30116	0
chr8	59058660	59059235	0.58	-0.31338	0
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chr8	86568078	86568163	0.09	-0.29675	0
chr8	91952744	91953125	0.38	0.3179	0
chr8	96393868	96394047	0.18	0.36904	0
chr8	99951151	99951730	0.58	0.3084	0
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chr8	99961122	99962347	1.23	0.36794	0
chr8	103395266	103395625	0.36	0.35358	0
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chr8	109800338	109800379	0.04	-0.30007	0.00021
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chr8	121825470	121825702	0.23	-0.30354	0.00021
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chr8	128808017	128808262	0.25	-0.31715	0
chr8	129061191	129061382	0.19	0.3801	0
chr8	138493473	138493933	0.46	-0.33263	0
chr8	139074557	139074614	0.06	-0.27455	0.00064
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chr8	140630155	140630180	0.03	-0.2988	0.00021
chr8	143623372	143623661	0.29	-0.28625	0.00021
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chr9	7147104	7147265	0.16	0.34131	0
chr9	14180661	14180824	0.16	0.39989	0
chr9	14563979	14564157	0.18	0.27985	0.00042
chr9	21966564	21967469	0.91	0.33614	0
chr9	35538922	35539509	0.59	0.26846	0.00042
chr9	71440805	71440828	0.02	0.29501	0.00064
chr9	84228185	84228672	0.49	0.3089	0
chr9	85019920	85020050	0.13	0.38185	0
chr9	89422493	89422603	0.11	0.40649	0
chr9	90452294	90452467	0.17	0.28924	0
chr9	95187808	95188039	0.23	0.34709	0
chr9	95244844	95244874	0.03	0.33773	0
chr9	95969598	95970064	0.47	0.29502	0.00064
chr9	97818542	97818968	0.43	0.33038	0
chr9	100617999	100618115	0.12	0.3232	0
chr9	100850334	100850337	0	0.37378	0
chr9	109684300	109684453	0.15	0.30498	0.00021
chr9	117150236	117150495	0.26	0.30442	0
chr9	124979184	124979356	0.17	0.35258	0
chr9	125795488	125795935	0.45	0.29835	0
chr9	127019325	127019707	0.38	-0.28182	0.00021
chr9	128235091	128235430	0.34	0.36479	0
chr9	129972490	129972678	0.19	0.30099	0.00021
chr9	130853572	130854132	0.56	0.30747	0
chr9	131679477	131679780	0.3	0.32656	0
chr9	133567787	133567903	0.12	0.32738	0
chr9	138289410	138289504	0.09	-0.31035	0
chr9	140400563	140400693	0.13	-0.39224	0
chr10	616959	617105	0.15	0.33241	0
chr10	695844	695900	0.06	0.37141	0
chr10	1195844	1195916	0.07	0.31025	0
chr10	1715848	1715879	0.03	-0.29246	0.00085
chr10	1850312	1850372	0.06	-0.32857	0
chr10	2125396	2125911	0.52	-0.28197	0.00042
chr10	2541463	2541820	0.36	-0.30926	0

chr10	2699291	2699357	0.07	-0.34277	0
chr10	3329765	3329966	0.2	-0.35541	0
chr10	3805252	3805441	0.19	-0.39363	0
chr10	5060432	5060566	0.13	0.33507	0
chr10	7088654	7088771	0.12	-0.30237	0.00021
chr10	7215201	7215341	0.14	-0.31991	0
chr10	11047435	11047586	0.15	-0.30268	0.00021
chr10	11615774	11615853	0.08	0.29212	0.00085
chr10	11799636	11799667	0.03	0.35932	0
chr10	16250844	16251115	0.27	-0.32417	0
chr10	16319997	16320001	0	-0.34342	0
chr10	16320541	16320652	0.11	-0.32215	0
chr10	18239805	18240316	0.51	-0.28376	0.00042
chr10	22622459	22622793	0.33	0.29805	0.00021
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chr10	24738227	24738322	0.1	0.29708	0.00042
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chr10	30020120	30020140	0.02	0.37799	0
chr10	34313874	34313965	0.09	0.29745	0.00021
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chr10	45923083	45923705	0.62	0.313	0
chr10	50143375	50143509	0.13	0.31422	0
chr10	60086738	60087111	0.37	0.34518	0
chr10	64679758	64679766	0.01	-0.30647	0
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chr10	93805441	93805682	0.24	0.30994	0
chr10	94452311	94452554	0.24	0.30671	0
chr10	98129751	98130310	0.56	-0.40185	0
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chr10	102496500	102496915	0.42	0.32507	0
chr10	102642655	102642752	0.1	0.32814	0
chr10	103698992	103699237	0.25	0.33738	0
chr10	104905387	104905806	0.42	0.36249	0
chr10	107292939	107292956	0.02	-0.30326	0.00021
chr10	109135976	109136178	0.2	-0.30051	0.00021
chr10	112723024	112723296	0.27	0.37043	0
chr10	116335842	116336057	0.22	0.33732	0
chr10	116367648	116367729	0.08	0.3293	0
chr10	119291766	119292062	0.3	0.32089	0
chr10	119292300	119292549	0.25	0.3047	0
chr10	119293341	119293550	0.21	0.29061	0

chr10	120115553	120115780	0.23	0.29626	0.00064
chr10	120429062	120429205	0.14	0.29269	0
chr10	121300857	121301041	0.18	-0.29804	0.00021
chr10	124459311	124459513	0.2	-0.28742	0.00021
chr10	126392111	126392429	0.32	0.33157	0
chr10	126635660	126636047	0.39	0.33866	0
chr10	126782397	126782576	0.18	0.31502	0
chr10	128607975	128608036	0.06	0.34435	0
chr10	130124378	130124853	0.48	-0.29408	0
chr10	130185305	130185387	0.08	-0.32493	0
chr10	130201069	130201251	0.18	-0.29206	0.00085
chr10	130422176	130422194	0.02	-0.30635	0
chr10	130832268	130832393	0.13	-0.33672	0
chr10	131843725	131844548	0.82	-0.29083	0
chr10	132461246	132461281	0.04	-0.30925	0
chr10	132583721	132584219	0.5	-0.31824	0
chr10	132882986	132883127	0.14	-0.34523	0
chr10	132886634	132886739	0.11	-0.27777	0.00042
chr10	132891319	132891371	0.05	-0.31701	0
chr10	132891754	132892187	0.43	-0.33938	0
chr10	132897099	132897160	0.06	-0.2985	0.00021
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chr10	133036065	133036108	0.04	-0.34065	0
chr10	133055449	133055651	0.2	-0.31904	0
chr10	133058901	133058988	0.09	-0.3009	0.00021
chr10	133208644	133208984	0.34	-0.31429	0
chr10	133317423	133318287	0.86	-0.31571	0
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chr10	134143489	134143535	0.05	-0.35662	0
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chr10	134334241	134334283	0.04	0.29443	0.00064
chr10	134623278	134624055	0.78	-0.30101	0
chr10	134647690	134648115	0.43	-0.30255	0
chr10	134843768	134843775	0.01	-0.33768	0
chr10	134875720	134875916	0.2	-0.36493	0
chr10	134977297	134978147	0.85	-0.31842	0
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chr10	134996789	134996895	0.11	-0.36726	0
chr10	135002718	135002976	0.26	-0.29733	0
chr10	135012454	135012575	0.12	-0.32647	0
chr10	135017785	135018992	1.21	-0.35897	0
chr10	135020931	135021100	0.17	-0.29938	0
chr10	135030513	135030554	0.04	-0.29316	0.00085
chr10	135039948	135040250	0.3	-0.36168	0
chr10	135123006	135123337	0.33	-0.32563	0
chr10	135153937	135153972	0.04	-0.35584	0

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chr11	1321929	1321954	0.03	0.33748	0
chr11	2705153	2705357	0.2	0.3005	0.00021
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chr11	5129538	5129836	0.3	-0.29131	0
chr11	5264613	5265215	0.6	-0.29536	0
chr11	5346163	5346556	0.39	-0.29703	0
chr11	5372087	5372944	0.86	-0.30668	0
chr11	5951048	5951433	0.39	-0.36123	0
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chr11	31818474	31818791	0.32	0.29299	0.00085
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chr11	35704400	35704643	0.24	0.31999	0
chr11	35834513	35834595	0.08	0.34847	0
chr11	36184661	36184683	0.02	0.35358	0
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chr11	45070809	45070822	0.01	0.3364	0
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chr11	56141829	56141860	0.03	-0.30587	0
chr11	56466578	56466770	0.19	-0.28	0.00042
chr11	56510971	56511248	0.28	-0.3078	0
chr11	59823508	59823993	0.49	-0.30888	0
chr11	59929200	59929511	0.31	-0.29786	0.00021
chr11	60282398	60282420	0.02	-0.29744	0.00021
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chr11	61159047	61159083	0.04	-0.31233	0
chr11	62303750	62304165	0.42	0.3343	0
chr11	64097027	64097101	0.07	0.29227	0
chr11	64322890	64323247	0.36	0.33019	0
chr11	64863232	64863373	0.14	0.30388	0.00021
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chr11	68782049	68782202	0.15	0.30113	0
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chr11	113244828	113245069	0.24	0.32022	0
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chr11	119524154	119524243	0.09	-0.31703	0
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chr11	124506014	124506266	0.25	0.32314	0
chr11	125801456	125801519	0.06	0.35433	0
chr11	129145940	129145951	0.01	0.32753	0
chr11	131778850	131779255	0.41	-0.35213	0
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chr11	132016192	132016295	0.1	-0.33954	0
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chr12	8025394	8025435	0.04	0.3192	0
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chr12	11877740	11878017	0.28	0.30578	0
chr12	12659177	12659685	0.51	0.31062	0
chr12	13132607	13132661	0.05	0.29406	0.00064
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chr12	16034055	16034100	0.05	-0.30947	0
chr12	16762789	16762843	0.05	0.30452	0

chr12	16942296	16942300	0	0.33175	0
chr12	18890833	18890872	0.04	-0.31701	0
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chr12	34488729	34488830	0.1	-0.3734	0
chr12	34494825	34494852	0.03	-0.37965	0
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chr12	50528616	50528754	0.14	0.3911	0
chr12	51421225	51421367	0.14	-0.34544	0
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chr12	66220754	66220810	0.06	-0.39799	0
chr12	69236712	69236811	0.1	0.32827	0
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chr12	93396260	93396759	0.5	0.3247	0
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chr12	95945384	95945610	0.23	0.2927	0
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chr12	110172208	110172346	0.14	0.30208	0
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chr12	113916609	113916664	0.06	0.36477	0
chr12	114513507	114513561	0.05	-0.31796	0
chr12	118627943	118628449	0.51	0.31582	0
chr12	119086607	119086637	0.03	-0.32737	0
chr12	119213093	119213160	0.07	-0.35121	0
chr12	119213900	119214021	0.12	-0.38193	0
chr12	119346888	119347315	0.43	-0.29845	0.00021
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chr12	120687694	120688060	0.37	0.31969	0
chr12	122764418	122764545	0.13	0.32327	0
chr12	123930117	123930124	0.01	0.33883	0
chr12	124811985	124812154	0.17	0.46561	0

chr12	126926911	126926925	0.01	-0.29364	0.00064
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chr12	129594978	129595394	0.42	-0.33357	0
chr12	130183692	130184190	0.5	-0.31238	0
chr12	130184740	130185259	0.52	-0.31199	0
chr12	130333815	130334009	0.19	-0.35043	0
chr12	130335340	130335752	0.41	-0.33569	0
chr12	130337265	130337671	0.41	-0.32256	0
chr12	130420637	130420666	0.03	-0.31985	0
chr12	130958711	130958790	0.08	-0.29879	0.00021
chr12	131417943	131418217	0.27	-0.31627	0
chr12	132677496	132677645	0.15	-0.30021	0.00021
chr12	132863782	132863983	0.2	-0.36329	0
chr12	132880790	132881276	0.49	-0.41172	0
chr12	132983481	132983814	0.33	-0.308	0
chr12	133345285	133345322	0.04	0.30293	0.00021
chr13	25085301	25085669	0.37	-0.43225	0
chr13	25668392	25668714	0.32	-0.32648	0
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chr13	30951587	30952016	0.43	0.43204	0
chr13	30963379	30963558	0.18	0.30837	0
chr13	31456352	31456604	0.25	0.33342	0
chr13	39989296	39989389	0.09	0.29669	0.00042
chr13	41594472	41594509	0.04	0.34763	0
chr13	43727819	43727984	0.17	-0.39427	0
chr13	45781178	45781603	0.43	0.29533	0.00064
chr13	47161167	47161752	0.59	0.37069	0
chr13	48986750	48987465	0.72	0.38209	0
chr13	50702410	50702675	0.27	0.31331	0
chr13	50702795	50703477	0.68	0.31058	0
chr13	50706810	50706830	0.02	0.30513	0.00021
chr13	100783450	100783618	0.17	0.39331	0
chr13	108234261	108234701	0.44	-0.29658	0.00042
chr13	111215148	111215290	0.14	-0.42531	0
chr13	111892737	111892794	0.06	0.32097	0
chr13	112236782	112236854	0.07	-0.30283	0.00021
chr13	112335939	112336027	0.09	-0.30447	0.00021
chr13	112554122	112554252	0.13	-0.31436	0
chr13	112555823	112555972	0.15	-0.31148	0
chr13	112624688	112624791	0.1	-0.28508	0.00042
chr13	112690122	112690517	0.4	-0.3056	0
chr13	112692119	112692270	0.15	-0.343	0
chr13	112759355	112759719	0.36	0.29076	0
chr13	112899567	112899619	0.05	-0.32632	0
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chr13	112906400	112906711	0.31	-0.27538	0.00064
chr13	113556144	113556486	0.34	0.33712	0
chr13	113622038	113622102	0.06	-0.30034	0.00021
chr13	113648767	113648892	0.13	-0.38002	0
chr13	113649513	113649600	0.09	-0.29487	0.00064
chr13	113719136	113719172	0.04	-0.43732	0
chr13	113763037	113763122	0.09	-0.34811	0
chr13	113776873	113776964	0.09	0.34279	0
chr13	114056351	114056576	0.23	-0.29373	0.00064
chr13	114150007	114150139	0.13	0.27854	0.00042
chr14	21502873	21503144	0.27	0.30028	0.00021
chr14	23624778	23624788	0.01	0.32034	0
chr14	23706743	23706751	0.01	-0.31247	0
chr14	25597490	25597562	0.07	0.38366	0
chr14	32836157	32836446	0.29	0.31606	0
chr14	38727014	38727024	0.01	-0.30685	0
chr14	39703160	39703302	0.14	0.32228	0
chr14	45711848	45712025	0.18	0.46354	0
chr14	50559902	50560100	0.2	0.33906	0
chr14	50809390	50809588	0.2	0.33669	0
chr14	51290136	51290662	0.53	0.35392	0
chr14	52066950	52067152	0.2	0.41985	0
chr14	53256600	53256914	0.31	-0.35729	0
chr14	55153114	55153130	0.02	0.31899	0
chr14	55603874	55603957	0.08	0.36005	0
chr14	55707715	55707866	0.15	0.41087	0
chr14	57197411	57197764	0.35	0.30684	0
chr14	61108227	61108807	0.58	0.28024	0.00042
chr14	62009941	62010028	0.09	0.33387	0
chr14	64663864	64663928	0.06	0.34004	0
chr14	68978814	68979049	0.24	0.3083	0
chr14	68991156	68991371	0.22	0.35097	0
chr14	69052728	69052740	0.01	0.36947	0
chr14	69523223	69523229	0.01	0.36382	0
chr14	69754092	69754550	0.46	0.29539	0.00064
chr14	72053177	72053361	0.18	0.29509	0.00064
chr14	73146054	73146637	0.58	0.3706	0
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chr14	73209128	73209188	0.06	0.31975	0
chr14	74257107	74257363	0.26	0.32917	0
chr14	74815085	74815131	0.05	0.33888	0
chr14	75704448	75704839	0.39	0.30972	0
chr14	76309091	76309157	0.07	0.37898	0
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chr14	89817792	89818474	0.68	0.29412	0

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chr14	95078599	95078743	0.14	0.30058	0
chr14	96752011	96752231	0.22	0.31128	0
chr14	96967437	96967681	0.24	-0.32107	0
chr14	97262709	97262871	0.16	-0.34276	0
chr14	101155305	101155658	0.35	-0.2987	0
chr14	102027660	102027681	0.02	0.28619	0
chr14	103871225	103871452	0.23	0.40647	0
chr14	104896488	104897068	0.58	-0.31045	0
chr14	105512213	105512306	0.09	0.2947	0
chr14	106173575	106173722	0.15	-0.2925	0.00085
chr14	106198003	106198034	0.03	-0.29776	0.00021
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chr15	39458978	39459285	0.31	0.31139	0
chr15	40225341	40225618	0.28	-0.29621	0.00064
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chr15	42800679	42800833	0.15	0.36688	0
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chr15	49715342	49715415	0.07	0.2928	0.00085
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chr15	52433022	52433433	0.41	0.31406	0
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chr15	60285691	60285821	0.13	0.30959	0
chr15	60817947	60818455	0.51	0.27963	0.00042
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chr15	64218300	64218534	0.23	0.30855	0
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chr15	71389060	71389252	0.19	0.31143	0
chr15	74508376	74508523	0.15	-0.34275	0
chr15	77518882	77519170	0.29	0.31882	0
chr15	85330779	85330888	0.11	0.34431	0
chr15	85396292	85396513	0.22	0.44229	0
chr15	86215274	86215313	0.04	0.31817	0
chr15	86232932	86233220	0.29	0.3188	0
chr15	90388953	90389012	0.06	-0.32918	0
chr15	97345353	97345395	0.04	-0.30158	0.00021
chr15	101419275	101419333	0.06	-0.30456	0
chr16	1077597	1077624	0.03	-0.32819	0
chr16	1213672	1213919	0.25	-0.29366	0
chr16	1226269	1226302	0.03	-0.3047	0.00021
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chr16	1271153	1272275	1.12	-0.30841	0

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chr16	11886550	11886668	0.12	0.38502	0
chr16	12010646	12010867	0.22	-0.35007	0
chr16	14029456	14029472	0.02	0.39987	0
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chr16	15488936	15489190	0.25	-0.30791	0
chr16	16181015	16181129	0.11	0.32698	0
chr16	17609453	17609605	0.15	-0.33802	0
chr16	18939106	18939180	0.07	-0.33348	0
chr16	21012796	21012810	0.01	0.33054	0
chr16	22082727	22082857	0.13	0.36992	0
chr16	22296661	22296770	0.11	0.29658	0.00042
chr16	23153611	23153792	0.18	0.31215	0
chr16	27733016	27733133	0.12	0.33248	0
chr16	28224134	28224204	0.07	-0.3695	0
chr16	28635358	28635374	0.02	-0.35345	0
chr16	30456325	30456379	0.05	-0.3313	0
chr16	34741251	34741304	0.05	-0.33015	0
chr16	48277559	48277630	0.07	-0.3489	0
chr16	50403396	50403566	0.17	0.31198	0
chr16	67978429	67978450	0.02	0.303	0
chr16	69385547	69385827	0.28	0.30955	0
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chr16	69872614	69873116	0.5	0.29172	0
chr16	72232102	72232644	0.54	0.34033	0
chr16	76342377	76342620	0.24	-0.3174	0
chr16	78276006	78276299	0.29	0.30986	0
chr16	81271013	81271267	0.25	0.3	0.00021
chr16	82608833	82609548	0.72	-0.29679	0
chr16	83519231	83519418	0.19	-0.29273	0.00085
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chr16	85063708	85063787	0.08	-0.35495	0
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chr16	88949367	88949579	0.21	-0.30761	0
chr17	579682	579774	0.09	0.36788	0
chr17	762510	763049	0.54	0.32366	0
chr17	800263	800431	0.17	0.34332	0
chr17	873255	873619	0.36	0.33916	0
chr17	1063892	1064017	0.13	-0.30153	0
chr17	2075719	2076468	0.75	0.33183	0
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chr17	15522859	15522897	0.04	0.38251	0
chr17	16978535	16978673	0.14	0.30137	0.00021
chr17	17024192	17024437	0.25	0.29517	0.00064
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chr17	26500010	26500086	0.08	0.32811	0
chr17	30873196	30873447	0.25	0.36766	0
chr17	33823619	33823690	0.07	0.35222	0
chr17	33842255	33842301	0.05	0.32666	0
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chr17	38182487	38182512	0.03	0.29852	0.00021
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chr17	46709858	46710112	0.25	0.3077	0
chr17	48276255	48276347	0.09	0.29944	0.00021
chr17	57505491	57505597	0.11	0.3654	0
chr17	58216297	58216415	0.12	0.31551	0
chr17	60884617	60885154	0.54	-0.30905	0
chr17	61476730	61476846	0.12	0.34751	0
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chr17	72620022	72620058	0.04	-0.32421	0
chr17	72666418	72666670	0.25	-0.31659	0
chr17	73128545	73128575	0.03	-0.31823	0
chr17	73955611	73955839	0.23	0.42589	0
chr17	74641167	74641294	0.13	0.28933	0
chr17	74868604	74868693	0.09	-0.27869	0.00042
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chr17	76183632	76183641	0.01	-0.32298	0
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chr17	79010831	79011140	0.31	-0.27176	0.00085
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chr17	79381472	79381734	0.26	-0.32279	0
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chr17	79414215	79415034	0.82	-0.30325	0
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chr17	79419796	79420145	0.35	-0.35596	0
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chr17	79495664	79496290	0.63	-0.32357	0
chr17	80289437	80290106	0.67	-0.30644	0

chr17	80346849	80346912	0.06	-0.2963	0.00064
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chr17	81006524	81006821	0.3	-0.30029	0.00021
chr18	3874746	3874883	0.14	0.30203	0.00021
chr18	5133855	5133933	0.08	-0.34986	0
chr18	5420951	5421105	0.15	-0.33973	0
chr18	10588980	10589360	0.38	-0.39059	0
chr18	20911287	20911360	0.07	-0.29931	0
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chr18	44775558	44775561	0	0.30355	0.00021
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chr19	1325931	1326119	0.19	-0.309	0
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chr19	3383483	3383726	0.24	0.30702	0
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chr19	32082614	32082879	0.27	-0.30981	0
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chr19	36642720	36643070	0.35	0.31257	0
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chr19	58341492	58341619	0.13	0.32237	0
chr19	58715351	58716135	0.78	0.37221	0
chr19	59092612	59092692	0.08	0.34232	0
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chr20	33567656	33567887	0.23	0.3223	0
chr20	35924929	35925236	0.31	0.33094	0
chr20	37202230	37202274	0.04	0.32745	0
chr20	41597179	41597273	0.09	-0.29546	0
chr20	41691815	41691964	0.15	-0.31148	0
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chr20	60337213	60337350	0.14	-0.32255	0
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chr21	16374422	16374706	0.28	0.27162	0.00085
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chr21	32128785	32128800	0.02	-0.31539	0
chr21	32185331	32185365	0.03	-0.34564	0
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chr21	38378189	38378406	0.22	0.31844	0
chr21	38821784	38821804	0.02	0.29545	0.00064
chr21	44161884	44162219	0.34	0.45631	0
chr21	44582429	44582492	0.06	-0.33985	0
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chr22	18314772	18314866	0.09	0.31012	0
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chr22	29977677	29977742	0.07	-0.34766	0
chr22	31836032	31836042	0.01	0.29663	0.00042
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chr22	37960396	37960426	0.03	0.3202	0
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chr22	48027277	48027487	0.21	-0.28435	0.00021
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