

Supplementary table 4: Triple relationship (SNP-CpG-Expression)

SNP						Gene expression distance to ge
Name	Gene	Chr	Position	Call rate	MAF	
rs2629311	NA	22	20467393	1	0.22826087	trans-acting-o
rs7119	HMG20A	15	77777632	0.9677419	0.40909091	trans-acting-o
rs590368	NA	1	12223451	0.983871	0.43333333	trans-acting-o
rs2587113	NA	22	18328503	1	0.31521739	trans-acting-o
rs764829	LONRF2	2	100908508	0.983871	0.1	trans-acting-o
rs12550677	NA	8	142247390	0.983871	0.48888889	trans-acting-o
rs6726941	TTC7A	2	47184447	1	0.05434783	trans-acting
rs4850932	CHST10	2	101019663	0.9677419	0.10227273	trans-acting-o
rs904257	NA	1	31022237	0.983871	0.35555556	trans-acting-o
rs8050944	WWOX	16	78870954	0.9516129	0.05681818	trans-acting-o
rs17781273	NA	18	63360303	0.983871	0.15555556	trans-acting-o
rs360919	NA	4	152832903	1	0.17391304	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs6538763	NA	12	97439205	1	0.07608696	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs2420998	TACC2	10	123894412	0.983871	0.05555556	trans-acting-o
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o
rs2284997	PGM1	1	64105775	0.983871	0.45555556	trans-acting-o
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting
rs4233428	NA	1	91099720	1	0.35869565	trans-acting-o
rs1964081	ZNF385B	2	180591421	0.983871	0.1	trans-acting
rs4316043	NA	6	8951083	0.983871	0.06666667	trans-acting-o
rs7359578	NA	17	35134725	0.9516129	0.26744186	trans-acting-o
rs2965399	DNAH11	7	21732757	1	0.09782609	trans-acting-o
rs3217730	CDK9	9	130547325	0.8870968	0.175	trans-acting-o
rs1043836	HDHD3	9	116136198	0.9193549	0.38095238	trans-acting-o
rs4082042	PCDH15	10	55964451	1	0.05434783	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs1945010	GRIK4	11	120617504	0.9032258	0.34146341	trans-acting-o
rs1873450	NA	10	123006274	1	0.30434783	trans-acting-o
rs6883590	CDH18	5	19844298	1	0.09782609	trans-acting-o
rs562487	BHMT	5	78406434	0.9677419	0.47727273	trans-acting-o
rs11844774	MAP3K9	14	71198551	0.9516129	0.47674419	trans-acting-o
rs457987	NA	1	30729872	1	0.05434783	trans-acting-o
rs7597597	NA	2	154267276	0.9516129	0.48837209	trans-acting-o
rs7597597	NA	2	154267276	0.9516129	0.48837209	trans-acting-o
rs1494825	NA	5	116471892	1	0.06521739	trans-acting-o
rs6692427	KIF21B	1	200969921	0.983871	0.11111111	trans-acting-o
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting
rs2503380	NA	13	81504507	0.9516129	0.3372093	trans-acting-o
rs736490	PHF21B	22	45338213	1	0.07608696	trans-acting-o
rs316338	SERPINB1	6	2837846	1	0.27173913	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs3895875	BRUNOL4	18	34936882	0.9516129	0.15116279	trans-acting-o
rs5754793	NA	22	34398083	1	0.41304348	trans-acting-o
rs2021796	NA	2	56355315	0.983871	0.12222222	trans-acting-o
rs2325566	KLF12	13	74383940	0.9677419	0.32954545	trans-acting-o

rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs6480234	CTNNA3	10	68636894	0.9354839	0.46511628	trans-acting-o
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs8007740	NA	14	90160838	1	0.08695652	trans-acting-o
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs2405781	NA	15	76111016	0.9677419	0.47727273	trans-acting-o
rs1342235	LOC10012958	10	70319626	1	0.09782609	trans-acting-o
rs17646246	NA	3	158622785	1	0.09782609	trans-acting-o
rs8111658	KLK13	19	51561023	0.9354839	0.33333333	trans-acting
rs11668891	NA	19	27972553	0.9516129	0.09302326	trans-acting-o
rs13418392	NA	2	231433059	0.9354839	0.45348837	trans-acting-o
rs16863222	NA	2	16195030	0.9516129	0.44318182	trans-acting-o
rs2966227	NA	16	25694279	0.9354839	0.35714286	trans-acting-o
rs649748	NA	3	166022534	0.983871	0.13333333	trans-acting-o
rs16944255	NA	13	90900914	1	0.09782609	trans-acting-o
rs7485002	NA	12	60263723	0.9516129	0.48837209	trans-acting
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs6029273	MAFB	20	39313690	0.9516129	0.10465116	trans-acting-o
rs12909871	SCG5	15	32965357	1	0.05434783	trans-acting-o
rs1413100	C6orf118	6	165693624	0.9677419	0.40909091	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs9573570	NA	13	76064409	0.983871	0.15555556	trans-acting-o
rs581935	NA	11	125987625	0.983871	0.46666667	trans-acting-o
rs4328172	NA	11	26747108	0.9354839	0.48809524	trans-acting-o
rs12566096	NA	1	209061434	0.983871	0.3	trans-acting-o
rs2576197	ESRRG	1	217122207	0.9677419	0.07954545	trans-acting-o
rs4902841	NA	14	71179711	0.9677419	0.45454545	trans-acting-o
rs2541312	VCAN	5	82819185	0.9516129	0.47674419	trans-acting-o
rs7117691	NA	11	30359892	0.983871	0.12222222	trans-acting-o
rs9832653	NA	3	178585678	0.9516129	0.46511628	trans-acting-o
rs17423043	NRCAM	7	108086443	0.983871	0.32222222	trans-acting
rs4316043	NA	6	8951083	0.983871	0.06666667	trans-acting-o
rs9314040	NA	5	163977979	0.9354839	0.3452381	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs1402726	NA	17	25395770	0.9677419	0.31111111	trans-acting-o
rs2016126	TMEM104	17	72784932	1	0.47826087	trans-acting-o
rs12191318	LRRC16A	6	25421015	0.9516129	0.13953488	trans-acting-o
rs1395095	NA	5	10132963	1	0.13043478	trans-acting-o
rs7677252	NA	4	147922897	0.983871	0.42391304	trans-acting-o
rs2834642	RUNX1	21	36186319	0.983871	0.42222222	trans-acting-o
rs4692668	PALLD	4	169575894	0.983871	0.48888889	trans-acting
rs7320808	FAM155A	13	108340863	1	0.05434783	trans-acting-o
rs4568622	RALYL	8	85779998	0.9516129	0.38372093	trans-acting-o
rs11078621	NA	17	6277888	0.9354839	0.32142857	trans-acting-o
rs17078438	NA	6	117196211	1	0.05434783	trans-acting-o
rs2300494	IMPA1	8	82578730	1	0.05434783	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs7973521	NA	12	33356589	0.9193549	0.42857143	trans-acting-o
rs11668962	NA	19	49718548	1	0.45652174	trans-acting-o

rs1278947	NA	14	32420322	1	0.27173913	trans-acting-o
rs2683581	NA	10	66378372	0.9516129	0.43023256	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs7246772	NA	19	9886283	1	0.08695652	trans-acting-o
rs4665867	OTOF	2	26739004	1	0.05434783	trans-acting-o
rs17213431	ANLN	7	36459076	1	0.10869565	trans-acting-o
rs1282640	NA	18	68396422	0.9354839	0.22619048	trans-acting-o
rs2085580	DOCK3	3	50866573	0.983871	0.06666667	trans-acting-o
rs874827	CELSR1	22	46846881	0.9516129	0.22093023	trans-acting-o
rs874827	CELSR1	22	46846881	0.9516129	0.22093023	trans-acting-o
rs17050473	NA	2	60097987	0.983871	0.1	trans-acting-o
rs12550044	RALYL	8	85741835	0.9516129	0.36046512	trans-acting-o
rs12607083	NA	18	7444318	1	0.11956522	trans-acting-o
rs4685875	NA	3	5149062	0.9516129	0.30232558	trans-acting-o
rs755730	NA	17	14197451	0.9193549	0.31707317	trans-acting-o
rs4658744	KIF26B	1	245456590	1	0.45652174	trans-acting-o
rs11825971	BRSK2	11	1449373	0.9354839	0.28571429	trans-acting-o
rs2499479	PKHD1	6	51891327	0.9677419	0.375	trans-acting-o
rs4597574	CAPN13	2	31005297	0.983871	0.39130435	trans-acting-o
rs4683082	NA	3	45216928	0.9677419	0.31818182	trans-acting-o
rs754894	NA	1	203017087	0.983871	0.22222222	trans-acting-o
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting
rs6738475	NA	2	106165605	0.9516129	0.38372093	trans-acting-o
rs6424449	NEGR1	1	72284206	0.9677419	0.37777778	trans-acting
rs2839401	NA	21	43302079	0.9677419	0.25	trans-acting-o
rs8021668	NA	14	71188597	0.9516129	0.48837209	trans-acting-o
rs3784545	TMED3	15	79607877	1	0.41304348	trans-acting-o
rs11195338	RBM20	10	112570243	0.9516129	0.39772727	trans-acting-o
rs11578528	DPYD	1	98087130	1	0.05434783	trans-acting
rs17423043	NRCAM	7	108086443	0.983871	0.32222222	trans-acting
rs10191189	NA	2	38053651	0.983871	0.08888889	trans-acting-o
rs6816010	SLAIN2	4	48384499	0.9677419	0.36363636	trans-acting-o
rs10495826	NA	2	34948247	1	0.06521739	trans-acting-o
rs12575162	RDX	11	110109702	0.9354839	0.30952381	trans-acting-o
rs1482322	NA	2	155825825	0.983871	0.34444444	trans-acting-o
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs2046248	NA	2	155838306	0.983871	0.33333333	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o
rs12634154	C3orf59	3	192522464	1	0.47826087	trans-acting-o
rs6887924	NA	5	161239330	0.9354839	0.19767442	trans-acting-o
rs1990158	LAMB4	7	107685895	1	0.33695652	trans-acting-o
rs1452606	NA	18	59318227	0.8870968	0.475	trans-acting-o
rs13126953	NA	4	153055930	0.9677419	0.46666667	trans-acting-o
rs2730027	OSBPL1A	18	21860417	0.9677419	0.40909091	trans-acting-o
rs1483242	NA	2	186044627	0.983871	0.5	trans-acting-o
rs11056267	PDE6H	12	15129668	0.9677419	0.44318182	trans-acting-o
rs6427703	NA	1	162934692	0.9354839	0.36904762	trans-acting-o
rs12480449	NA	20	57183408	0.9677419	0.05681818	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o

rs13206253	PACRG	6	163166902	0.9516129	0.11627907	trans-acting-o
rs7651836	NAALADL2	3	174861684	0.9677419	0.29545455	trans-acting-o
rs7083476	KCNMA1	10	78941418	0.983871	0.37777778	trans-acting-o
rs1607490	NA	3	95045970	1	0.43478261	trans-acting-o
rs1482316	NA	2	155864306	0.9516129	0.38372093	trans-acting-o
rs2736433	KLK13	19	51566943	0.983871	0.38888889	trans-acting
rs316030	NA	6	160687866	0.983871	0.28888889	trans-acting-o
rs2116283	NA	18	73869891	0.9677419	0.29545455	trans-acting-o
rs4851314	CHST10	2	101033756	0.983871	0.08888889	trans-acting-o
rs10831613	GALNTL4	11	11471293	0.9032258	0.23170732	trans-acting-o
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs1942196	NA	18	68690686	0.9354839	0.30232558	trans-acting
rs11729347	NA	4	153932350	0.9354839	0.38095238	trans-acting-o
rs757902	NA	7	106500358	0.9516129	0.25581395	trans-acting-o
rs10936984	NA	3	178639454	0.9354839	0.47619048	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o
rs1270919	LOC10013027	12	54803972	1	0.09782609	trans-acting-o
rs12208871	RPS6KA2	6	166873823	0.983871	0.13333333	trans-acting-o
rs7140766	MIA2	14	39706741	0.9032258	0.41111111	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs10869851	NA	9	79588914	0.9354839	0.3255814	trans-acting-o
rs3894377	NA	9	82485633	0.9354839	0.48809524	trans-acting-o
rs2156782	NA	11	114154922	0.9677419	0.23863636	trans-acting-o
rs2649049	SBF2	11	9873283	0.9354839	0.39285714	trans-acting-o
rs7836759	KIF13B	8	28977112	0.9516129	0.31818182	trans-acting-o
rs17051506	NA	13	35496751	1	0.07608696	trans-acting-o
rs8033381	CSK	15	75080685	0.9677419	0.34444444	trans-acting-o
rs2892403	NA	10	2003368	0.9193549	0.20238095	trans-acting-o
rs11854147	NA	15	75052771	0.983871	0.38888889	trans-acting-o
rs13431144	NA	2	15064778	1	0.08695652	trans-acting-o
rs1629316	HNT	11	131935274	0.983871	0.2	trans-acting-o
rs6087052	NA	20	9879166	0.983871	0.45555556	trans-acting-o
rs352771	NA	8	15646216	0.9354839	0.3372093	trans-acting-o
rs7836391	SAMD12	8	119513852	0.9516129	0.35227273	trans-acting-o
rs6866260	DMXL1	5	118507250	0.983871	0.37777778	trans-acting-o
rs4678	VAR52	6	30893941	1	0.15217391	trans-acting-o
rs1543632	NA	1	38747960	1	0.47826087	trans-acting-o
rs886897	NA	17	10155277	0.9516129	0.40697674	trans-acting-o
rs11056267	PDE6H	12	15129668	0.9677419	0.44318182	trans-acting-o
rs8104035	NA	19	40184769	0.9516129	0.47674419	trans-acting
rs8108399	NA	19	21801281	0.983871	0.25555556	trans-acting-o
rs9864546	CNTN4	3	2999717	0.9677419	0.375	trans-acting-o
rs2445421	NA	12	15165841	0.983871	0.43333333	trans-acting-o
rs1499566	LOC728727	6	119871596	0.983871	0.41111111	trans-acting-o
rs12640779	NA	4	117649361	1	0.11956522	trans-acting-o
rs1548853	NA	16	9734782	0.9677419	0.35555556	trans-acting-o
rs299222	NA	5	118385691	0.9677419	0.46590909	trans-acting-o
rs2118769	NA	2	148347811	0.9516129	0.32954545	trans-acting-o
rs9636324	GALNT13	2	154750741	1	0.06521739	trans-acting-o
rs7247343	NA	19	14135108	1	0.08695652	trans-acting-o

rs13078073	NA	3	157594704	1	0.23913043	trans-acting-o
rs1381922	NA	9	22909498	0.9677419	0.375	trans-acting-o
rs9691411	PKD1L1	7	47920901	0.983871	0.33333333	trans-acting-o
rs9523008	NA	13	91178198	0.9516129	0.37209302	trans-acting-o
rs4691129	NA	4	165609979	0.9677419	0.4	trans-acting-o
rs4533923	CHSY3	5	129336943	0.9354839	0.33333333	trans-acting-o
rs4793248	NA	17	41470683	0.983871	0.41111111	trans-acting-o
rs1570131	MIA2	14	39721010	0.9354839	0.41860465	trans-acting-o
rs2189711	NA	4	112846459	1	0.33695652	trans-acting-o
rs1024034	NA	4	11437162	1	0.05434783	trans-acting-o
rs9519308	NA	13	105022220	0.9516129	0.40697674	trans-acting-o
rs12410155	ST3GAL3	1	44188465	1	0.31521739	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs10915705	CNIH3	1	224910305	0.9032258	0.4375	trans-acting-o
rs2217357	NA	1	208520568	0.983871	0.06666667	trans-acting-o
rs1016342	NA	8	128092455	0.9354839	0.3372093	trans-acting-o
rs2818758	ESRRG	1	217122871	0.983871	0.08888889	trans-acting-o
rs6792698	NAALADL2	3	174861035	1	0.30434783	trans-acting-o
rs12438971	SNRPN	15	25133003	0.983871	0.24444444	trans-acting-o
rs16842939	SLC35F3	1	234448530	1	0.07608696	trans-acting-o
rs9472301	NA	6	44525464	1	0.11956522	trans-acting-o
rs946173	NMNAT2	1	183260659	1	0.11956522	trans-acting-o
rs2116280	NA	18	73854063	1	0.05434783	trans-acting-o
rs2961258	NA	7	15183698	0.9516129	0.45454545	trans-acting-o
rs11721941	NA	4	133572572	0.9354839	0.45238095	trans-acting-o
rs11119981	NA	1	207156555	0.983871	0.44444444	trans-acting-o
rs1198823	NA	2	238760118	0.9516129	0.31818182	trans-acting-o
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o
rs848145	MYLK	3	123336982	1	0.05434783	trans-acting-o
rs7167023	CGNL1	15	57792701	1	0.06521739	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs11929985	NA	4	115727153	0.983871	0.18478261	trans-acting-o
rs1734910	NA	7	100309544	0.983871	0.31111111	trans-acting-o
rs4866315	NA	5	18279260	0.983871	0.31111111	trans-acting-o
rs1397703	XIRP2	2	167758393	0.9677419	0.38636364	trans-acting-o
rs9317098	DIAPH3	13	60666224	0.983871	0.35555556	trans-acting-o
rs1335999	PTPRD	9	10538336	0.9677419	0.07954545	trans-acting-o
rs6495127	C15orf17	15	75194490	0.983871	0.35555556	trans-acting-o
rs8180847	NA	7	93339775	0.9516129	0.41860465	trans-acting-o
rs713115	A2BP1	16	7588038	1	0.14130435	trans-acting-o
rs3217950	POLD2	7	44160926	1	0.06521739	trans-acting-o
rs12513744	NA	5	154037358	0.9354839	0.40697674	trans-acting-o
rs955345	NA	4	153925259	0.983871	0.48888889	trans-acting-o
rs1919515	SPOCK1	5	136822835	0.9354839	0.37209302	trans-acting-o
rs1108890	IQCA	2	237279707	0.983871	0.5	trans-acting-o
rs7091819	NA	10	25988830	1	0.33695652	trans-acting-o
rs7208946	NA	17	25573815	0.9516129	0.39772727	trans-acting-o
rs2973572	RGNEF	5	73141894	0.9677419	0.44318182	trans-acting-o
rs955345	NA	4	153925259	0.983871	0.48888889	trans-acting
rs4661572	RP1-21O18.1	1	15402156	0.983871	0.27777778	trans-acting-o

rs11652875	NA	17	41482795	0.983871	0.42222222	trans-acting-o
rs4555379	ANTXR1	2	69333700	1	0.40217391	trans-acting
rs5749949	NA	22	35162495	1	0.22826087	trans-acting-o
rs3858406	RDX	11	110162058	0.8870968	0.3	trans-acting-o
rs404445	SLAIN2	4	48350757	0.983871	0.35555556	trans-acting-o
rs11775759	NA	8	127533573	0.9193549	0.32926829	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs1800624	PBX2	6	32152387	0.983871	0.24444444	trans-acting-o
rs1734908	NA	7	100313768	0.9516129	0.30232558	trans-acting-o
rs2025478	NA	13	29167439	0.983871	0.12222222	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs11134532	SLIT3	5	168225838	0.983871	0.35555556	trans-acting-o
rs6443590	NA	3	178569927	0.9677419	0.45454545	trans-acting-o
rs6560652	NA	9	139830940	0.8870968	0.4375	trans-acting-o
rs4941829	NA	13	31944815	0.983871	0.42222222	trans-acting-o
rs9410806	NA	9	82032914	0.9193549	0.12195122	trans-acting-o
rs2654247	NA	3	104805201	1	0.45652174	trans-acting-o
rs6737274	NA	2	207717444	0.983871	0.33333333	trans-acting-o
rs13301412	NA	9	133388232	0.9516129	0.30681818	trans-acting-o
rs4773833	NA	13	95610827	1	0.15217391	trans-acting-o
rs4773833	NA	13	95610827	1	0.15217391	trans-acting-o
rs7736745	NA	5	117089085	0.983871	0.34444444	trans-acting-o
rs10010699	UGT2A3	4	69810824	0.9677419	0.125	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs1807798	LMX1A	1	165250429	0.9193549	0.46341463	trans-acting-o
rs2893959	NA	10	66383366	0.9516129	0.48837209	trans-acting-o
rs7322222	NA	13	98135161	0.9516129	0.20930233	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs2951665	ACCN1	17	32075015	0.983871	0.46666667	trans-acting-o
rs6806023	PLD1	3	171426129	0.983871	0.16666667	trans-acting-o
rs9949076	NA	18	33024366	0.9516129	0.30232558	trans-acting-o
rs4696175	TRIM2	4	154159965	0.983871	0.1	trans-acting-o
rs7828683	CSMD1	8	4087191	0.983871	0.47826087	trans-acting-o
rs2795871	TET1	10	70380735	0.983871	0.08888889	trans-acting-o
rs9392056	EXOC2	6	518078	0.9354839	0.46428571	trans-acting
rs6738475	NA	2	106165605	0.9516129	0.38372093	trans-acting-o
rs8111658	KLK13	19	51561023	0.9354839	0.33333333	trans-acting
rs2834642	RUNX1	21	36186319	0.983871	0.42222222	trans-acting-o
rs7350384	NA	10	60614717	0.9516129	0.46511628	trans-acting-o
rs503341	LOC144097	11	63587313	0.9516129	0.39534884	trans-acting-o
rs2717104	NA	18	74923296	0.9354839	0.26744186	trans-acting-o
rs7520053	ST3GAL3	1	44226657	1	0.32608696	trans-acting-o
rs9656814	NA	8	128100977	0.983871	0.22826087	trans-acting-o
rs2184933	NA	15	79820757	0.983871	0.46666667	trans-acting-o
rs10458778	LOC642622	10	126914470	0.9677419	0.38888889	trans-acting-o
rs4547237	NA	13	60739413	0.983871	0.34444444	trans-acting-o
rs2166703	TMEM104	17	72781812	0.983871	0.46666667	trans-acting-o
rs4527894	CSMD1	8	3660565	0.9193549	0.31395349	trans-acting-o
rs2136809	CENTD1	4	36106326	1	0.05434783	trans-acting-o
rs258893	FCHO2	5	72305203	1	0.35869565	trans-acting-o

rs4508063	NA	1	31115997	0.983871	0.23333333	trans-acting
rs6024978	NA	20	55165067	0.983871	0.14444444	trans-acting-o
rs1127101	C2orf24	2	220040330	0.9677419	0.40909091	trans-acting-o
rs12767900	KCNMA1	10	78943015	1	0.39130435	trans-acting-o
rs7570682	NA	2	104983267	0.983871	0.31521739	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs16863222	NA	2	16195030	0.9516129	0.44318182	trans-acting-o
rs1183394	NA	1	54222571	1	0.07608696	trans-acting-o
rs13075848	NA	3	139621524	1	0.06521739	trans-acting-o
rs6890223	NA	5	104436879	0.983871	0.06666667	trans-acting-o
rs7632760	NA	3	37016953	0.9677419	0.5	trans-acting
rs2252523	RPL3L	16	1997614	0.983871	0.28888889	trans-acting-o
rs13032868	CNTNAP5	2	124849293	1	0.33695652	trans-acting-o
rs12225829	RDX	11	110140108	0.9354839	0.33333333	trans-acting-o
rs12576536	NA	11	103653871	0.983871	0.07777778	trans-acting-o
rs8000533	NA	13	25189224	0.983871	0.42222222	trans-acting-o
rs8000533	NA	13	25189224	0.983871	0.42222222	trans-acting-o
rs504141	NA	7	100309125	0.9677419	0.30681818	trans-acting-o
rs6588471	NA	1	53644967	1	0.41304348	trans-acting-o
rs642949	PICALM	11	85729372	0.9677419	0.26136364	trans-acting-o
rs248989	RASGRF2	5	80436584	1	0.41304348	trans-acting-o
rs7564130	NRXN1	2	50606642	0.983871	0.32222222	trans-acting-o
rs7560430	LOC642340	2	150572567	0.983871	0.48888889	trans-acting-o
rs11825971	BRSK2	11	1449373	0.9354839	0.28571429	trans-acting-o
rs1956001	NPAS3	14	33411021	0.9677419	0.45555556	trans-acting-o
rs2172133	NA	1	94803032	0.983871	0.26666667	trans-acting-o
rs2736012	NA	8	15702272	0.8709677	0.40789474	trans-acting-o
rs7682929	KCTD8	4	44297909	1	0.08695652	trans-acting-o
rs10245949	PKD1L1	7	47877939	1	0.47826087	trans-acting-o
rs9845687	NA	3	157682536	0.983871	0.31111111	trans-acting-o
rs10495589	NA	2	12207377	0.983871	0.37777778	trans-acting-o
rs11937354	NA	4	96537724	0.9677419	0.42045455	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs3843496	SCGB3A2	5	147261812	0.9677419	0.42045455	trans-acting-o
rs5747037	NA	22	17724093	0.983871	0.34444444	trans-acting-o
rs326305	NA	3	96152471	0.9677419	0.38888889	trans-acting-o
rs10507644	DIAPH3	13	60519108	0.9677419	0.35227273	trans-acting-o
rs7162232	LMAN1L	15	75115895	0.9516129	0.37209302	trans-acting-o
rs8189865	NA	19	24451447	0.9677419	0.1	trans-acting-o
rs12186264	NA	4	168985447	0.9677419	0.15909091	trans-acting-o
rs7071812	TRUB1	10	116714241	1	0.38043478	trans-acting-o
rs7226076	B3GNTL1	17	80958551	0.983871	0.15555556	trans-acting-o
rs1621854	SMYD3	1	246444111	1	0.34782609	trans-acting
rs7278719	C21orf34	21	17685246	0.983871	0.12222222	trans-acting-o
rs3741800	MANSC1	12	12495959	1	0.36956522	trans-acting-o
rs950045	NA	10	130205150	0.983871	0.37777778	trans-acting-o
rs11971009	NA	7	4695808	1	0.17391304	trans-acting-o
rs339861	NA	18	22209970	0.9354839	0.41860465	trans-acting-o
rs10744079	PDE6H	12	15133720	0.983871	0.41111111	trans-acting-o

rs11971009	NA	7	4695808	1	0.17391304	trans-acting-o	
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o	
rs10448083	NA	8	29565755	0.9354839	0.40697674	trans-acting-o	
rs1793791	NA	11	131111013	0.9677419	0.375	trans-acting-o	
rs7710824	DMGDH	5	78297271	0.9677419	0.32222222	trans-acting-o	
rs3850777	FRMD5	15	44193675	1	0.10869565	trans-acting-o	
rs1156096	LOC729847	16	80423723	0.983871	0.24444444	trans-acting-o	
rs8093155	NA	18	36285187	0.983871	0.36666667	trans-acting-o	
rs4628998	NA	17	75059325	0.983871	0.44444444	trans-acting-o	
rs10850942	NA	12	118413484	0.9677419	0.45454545	trans-acting-o	
rs1744297	LOC374569	14	104568472	1	0.14130435	trans-acting-o	
rs12422325	NA	12	15155575	0.9677419	0.42045455	trans-acting-o	
rs1981632	NA	7	153615099	0.9677419	0.34090909	trans-acting-o	
rs6738532	NA	2	61999572	0.983871	0.3	trans-acting-o	
rs2921040	NA	8	8328101	0.9677419	0.23863636	trans-acting-o	
rs9453898	NA	6	67558297	0.983871	0.07777778	trans-acting-o	
rs2850611	NA	4	101904205	0.983871	0.14444444	trans-acting-o	
rs4810239	PPP1R16B	20	37527685	0.9677419	0.35227273	trans-acting-o	
rs1915418	NA	8	19093006	0.9193549	0.32142857	trans-acting-o	
rs2455319	Ambiguous	10	49295316	0.983871	0.08888889	trans-acting-o	
rs2538483	NA	7	148188150	0.9193549	0.3902439	trans-acting-o	
rs10962599	BNC2	9	16795286	0.9032258	0.4375	trans-acting-o	
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o	
rs994942	NA	12	114140619	0.983871	0.42222222	trans-acting-o	
rs1925609	LRRTM3	10	68754907	0.983871	0.41111111	trans-acting-o	
rs11056267	PDE6H	12	15129668	0.9677419	0.44318182	trans-acting-o	
rs9383058	JARID2	6	15461430	0.983871	0.32222222	trans-acting-o	
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting	
rs2856836	IL1A	2	113532083	1	0.39130435	trans-acting-o	
rs1736090	CTSB	8	11706229	0.9354839	0.38095238	trans-acting-o	
rs16823342	NA	3	153673498	0.983871	0.06666667	trans-acting-o	
rs7813659	NA	8	36459009	0.983871	0.1	trans-acting-o	
rs4636328	NA	X	22279098	0.9677419	0.22222222	trans-acting-o	
rs12120925	NA		1	199861066	1	0.06521739	trans-acting
rs4313774	NA		15	79802863	1	0.4673913	trans-acting-o
rs2054507	NA		15	94574008	1	0.06521739	trans-acting-o
rs6495413	NA	15	79814087	0.9677419	0.46590909	trans-acting-o	
rs2116283	NA	18	73869891	0.9677419	0.29545455	trans-acting-o	
rs11862833	NA	16	52663445	0.983871	0.31111111	trans-acting-o	
rs17135019	NA	7	4711169	0.983871	0.17777778	trans-acting-o	
rs466755	NA	22	18530984	1	0.06521739	trans-acting-o	
rs2293859	NA	8	11216761	0.9354839	0.48837209	trans-acting-o	
rs6656814	LOC730053	1	171740946	0.9516129	0.44186047	trans-acting-o	
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting	
rs1058359	HMX2	10	124910077	1	0.10869565	trans-acting-o	
rs815606	NA	5	153515166	1	0.10869565	trans-acting-o	
rs17423043	NRCAM	7	108086443	0.983871	0.32222222	trans-acting-o	
rs2240335	PADI4	1	17674537	1	0.32608696	trans-acting-o	
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o	
rs11721941	NA	4	133572572	0.9354839	0.45238095	trans-acting-o	



rs10037677	STK10	5	171518463	0.9516129	0.13953488	trans-acting-o
rs590368	NA	1	12223451	0.983871	0.43333333	trans-acting-o
rs1463033	NA	9	22919588	0.9516129	0.43023256	trans-acting-o
rs11579887	NA	1	22518578	0.983871	0.07777778	trans-acting-o
rs8901	FAM100B	17	74267010	1	0.45652174	trans-acting-o
rs2494441	NA	1	38929864	0.983871	0.41111111	trans-acting-o
rs978187	NA	11	114934127	0.9354839	0.39534884	trans-acting-o
rs6424449	NEGR1	1	72284206	0.9677419	0.37777778	trans-acting
rs955345	NA	4	153925259	0.983871	0.48888889	trans-acting-o
rs11165110	NA	1	94752469	0.9677419	0.27272727	trans-acting-o
rs4768467	NA	12	43297873	0.983871	0.32222222	trans-acting-o
rs1043160	C2orf24	2	220037756	0.983871	0.38888889	trans-acting-o
rs33483	NA	3	42417576	0.983871	0.36666667	trans-acting-o
rs6469667	NA	8	118002807	1	0.45652174	trans-acting
rs12206548	EXOC2	6	506231	0.9193549	0.46341463	trans-acting
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o
rs12705794	NA	7	111358271	0.9193549	0.34146341	trans-acting-o
rs4715976	JARID2	6	15451898	0.983871	0.33333333	trans-acting-o
rs1442818	NA	15	98783896	0.983871	0.38888889	trans-acting-o
rs10494654	NA	1	191491273	1	0.06521739	trans-acting
rs788725	NA	7	46154496	0.983871	0.41111111	trans-acting-o
rs8177185	TF	3	133464618	0.983871	0.06666667	trans-acting-o
rs7591589	GALNT13	2	154745902	0.983871	0.07777778	trans-acting-o
rs7591589	GALNT13	2	154745902	0.983871	0.07777778	trans-acting-o
rs7604121	CTNNA2	2	80424134	0.983871	0.14444444	trans-acting-o
rs4877223	NA	9	84323900	0.9677419	0.07954545	trans-acting-o
rs2279267	AADAT	4	170990053	0.9516129	0.26136364	trans-acting-o
rs1924105	NA	13	100546789	0.983871	0.05555556	trans-acting-o
rs275875	OSBPL1A	18	21851280	0.9677419	0.44318182	trans-acting-o
rs4074019	ZBTB7C	18	45563675	0.983871	0.22222222	trans-acting-o
rs4856953	NA	3	66636185	0.9677419	0.06818182	trans-acting-o
rs12305014	PDE6H	12	15127339	0.983871	0.4	trans-acting-o
rs4413734	NA	8	11212778	0.9354839	0.48809524	trans-acting-o
rs6785222	OSBPL10	3	31726603	0.9677419	0.45454545	trans-acting-o
rs390041	MICAL3	22	18288362	1	0.36956522	trans-acting-o
rs2127250	NA	15	95240817	1	0.20652174	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs230632	NA	1	187072660	0.983871	0.44444444	trans-acting-o
rs7598442	NA	2	98024837	0.983871	0.38888889	trans-acting-o
rs7598442	NA	2	98024837	0.983871	0.38888889	trans-acting-o
rs7326144	NBEA	13	35597170	1	0.08695652	trans-acting-o
rs10783508	KRT81	12	52678299	1	0.26086957	trans-acting-o
rs13040020	CDH4	20	60396082	0.9677419	0.47727273	trans-acting-o
rs2277367	CALCOCO1	12	54108777	1	0.14130435	trans-acting-o
rs1006111	PPP2R1A	19	52717232	0.983871	0.36666667	trans-acting-o
rs6427703	NA	1	162934692	0.9354839	0.36904762	trans-acting-o
rs7307765	NA	12	72651737	1	0.32608696	trans-acting-o
rs11056267	PDE6H	12	15129668	0.9677419	0.44318182	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs221801	NA	7	100290031	0.9516129	0.30232558	trans-acting-o

rs12424442	NA	12	76090867	0.9354839	0.23255814	trans-acting-o
rs12409456	NA	1	230680933	1	0.05434783	trans-acting-o
rs11849051	NA	14	33382157	0.983871	0.32222222	trans-acting-o
rs17135019	NA	7	4711169	0.983871	0.17777778	trans-acting-o
rs1336199	PCDH15	10	56502293	0.9677419	0.26136364	trans-acting-o
rs1533104	NA	12	71656547	1	0.36956522	trans-acting-o
rs7386203	NA	8	131497231	1	0.47826087	trans-acting-o
rs1022957	MDGA2	14	47562060	0.9516129	0.44186047	trans-acting-o
rs17095868	TMEM16F	12	45807100	0.9677419	0.05681818	trans-acting-o
rs2850611	NA	4	101904205	0.983871	0.14444444	trans-acting-o
rs11698145	NA	20	24118900	0.983871	0.40217391	trans-acting-o
rs1621854	SMYD3	1	246444111	1	0.34782609	trans-acting
rs10022508	NA	4	120115228	0.9193549	0.2804878	trans-acting-o
rs926434	NA	1	22506159	1	0.07608696	trans-acting-o
rs10038608	C5orf28	5	43462210	0.9677419	0.47727273	trans-acting-o
rs8046657	NA	16	54676341	0.9354839	0.45238095	trans-acting-o
rs7901343	LOC10012975	10	31989608	0.9677419	0.34090909	trans-acting-o
rs9303619	NA	17	25446389	0.9677419	0.13333333	trans-acting-o
rs1506792	NA	4	11120443	0.983871	0.47777778	trans-acting-o
rs9397194	PPP1R14C	6	150511399	1	0.08695652	trans-acting-o
rs1458717	NA	4	179114110	0.983871	0.47777778	trans-acting-o
rs728032	DEPDC2	8	69116478	1	0.13043478	trans-acting-o
rs9939371	WDR59	16	74937643	0.9677419	0.375	trans-acting-o
rs7682350	NA	4	43927750	1	0.30434783	trans-acting-o
rs2351560	NA	10	87206781	0.983871	0.35869565	trans-acting-o
rs12698219	PTPRN2	7	158145606	0.983871	0.13333333	trans-acting-o
rs10006783	NA	4	116755269	0.9516129	0.45348837	trans-acting-o
rs2498794	AKT1	14	105245251	0.983871	0.42222222	trans-acting-o
rs1858941	NA	7	20636479	0.983871	0.42222222	trans-acting-o
rs13040020	CDH4	20	60396082	0.9677419	0.47727273	trans-acting-o
rs13040020	CDH4	20	60396082	0.9677419	0.47727273	trans-acting-o
rs11825971	BRSK2	11	1449373	0.9354839	0.28571429	trans-acting-o
rs3817310	GIGYF2	2	233612583	1	0.05434783	trans-acting-o
rs9924628	NA	16	82306551	0.983871	0.42222222	trans-acting-o
rs10162627	PML	15	74299870	1	0.47826087	trans-acting-o
rs1516952	NA	8	127938759	1	0.06521739	trans-acting-o
rs10823448	COL13A1	10	71708405	0.983871	0.1	trans-acting-o
rs11628619	C14orf166B	14	77305508	0.9677419	0.39772727	trans-acting-o
rs7278243	NA	21	25015303	1	0.10869565	trans-acting-o
rs2286975	CLEC16A	16	11114006	1	0.36956522	trans-acting-o
rs10847208	NA	12	127229506	0.9677419	0.48888889	trans-acting-o
rs941290	ZNF3	7	99678622	1	0.18478261	trans-acting
rs3817828	RPS6KA2	6	167116160	0.983871	0.3	trans-acting-o
rs831726	NA	8	70134082	0.983871	0.44444444	trans-acting-o
rs1353308	NA	8	108686594	0.9677419	0.34444444	trans-acting-o
rs388415	MICAL3	22	18294211	0.983871	0.36666667	trans-acting-o
rs9401589	NA	6	123074621	0.983871	0.45555556	trans-acting-o
rs1108890	IQCA	2	237279707	0.983871	0.5	trans-acting
rs7912438	NA	10	1874354	0.9677419	0.45454545	trans-acting-o
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o

rs4924478	NA	15	40818499	1	0.33695652	trans-acting-o
rs1078555	PML	15	74332008	0.9677419	0.21590909	trans-acting-o
rs2834748	NA	21	36453535	1	0.38043478	trans-acting-o
rs12674822	ANGPT2	8	6389216	0.9354839	0.35714286	trans-acting-o
rs1334693	NA	10	2828890	0.983871	0.07777778	trans-acting-o
rs11264448	SEMA4A	1	156129748	1	0.35869565	trans-acting-o
rs4773616	NA	13	91754958	0.983871	0.27777778	trans-acting-o
rs6102095	NA	20	39320751	1	0.13043478	trans-acting-o
rs551238	EPO	7	100321528	1	0.31521739	trans-acting-o
rs8901	FAM100B	17	74267010	1	0.45652174	trans-acting-o
rs2038636	DISC1	1	232055249	1	0.42391304	trans-acting-o
rs9952724	KIAA0427	18	46252815	0.9677419	0.28888889	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o
rs10992622	SUSD3	9	95830197	0.9354839	0.18181818	trans-acting-o
rs2576197	ESRRG	1	217122207	0.9677419	0.07954545	trans-acting-o
rs17189433	TDRD3	13	61116288	0.9516129	0.11627907	trans-acting-o
rs12401813	ST3GAL3	1	44263415	1	0.34782609	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs3749926	BTBD9	6	38137814	0.9677419	0.125	trans-acting-o
rs12440955	NA	15	96456726	0.9677419	0.06666667	trans-acting-o
rs16526	LOC10013193	17	37321672	1	0.08695652	trans-acting
rs13178946	RGNEF	5	72959456	0.9516129	0.37209302	trans-acting-o
rs1985206	NA	6	169559115	0.983871	0.37777778	trans-acting-o
rs243570	NA	21	19128706	0.9677419	0.27272727	trans-acting-o
rs339861	NA	18	22209970	0.9354839	0.41860465	trans-acting-o
rs9292042	ARL15	5	53536998	1	0.39130435	trans-acting-o
rs6577669	NA	8	136769999	1	0.33695652	trans-acting-o
rs429940	MICAL3	22	18292466	0.983871	0.37777778	trans-acting-o
rs9693133	NA	8	2487969	0.8387097	0.17567568	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs6480234	CTNNA3	10	68636894	0.9354839	0.46511628	trans-acting-o
rs4871903	XPO7	8	21827833	0.9193549	0.29268293	trans-acting-o
rs7190647	A2BP1	16	7616856	1	0.09782609	trans-acting-o
rs4469424	PGCP	8	97878729	0.9354839	0.39534884	trans-acting-o
rs4767684	NA	12	118961993	1	0.09782609	trans-acting-o
rs4869954	MTHFD1L	6	151250567	0.983871	0.47777778	trans-acting-o
rs724879	NA	18	73815241	0.983871	0.45555556	trans-acting-o
rs9954625	NA	18	41327581	0.9516129	0.36046512	trans-acting-o
rs1873062	SPATA22	17	3346130	0.9354839	0.23809524	trans-acting-o
rs6433908	NA	2	182206328	0.9193549	0.36585366	trans-acting-o
rs11070111	ABCC4	13	95853851	0.983871	0.26666667	trans-acting-o
rs734840	NA	5	170886468	0.983871	0.46666667	trans-acting-o
rs11070426	CASC4	15	44613689	1	0.05434783	trans-acting-o
rs7816600	NA	8	29791665	0.983871	0.3	trans-acting-o
rs4508063	NA	1	31115997	0.983871	0.23333333	trans-acting
rs11661755	MBP	18	74705227	0.9677419	0.43333333	trans-acting-o
rs6825670	NA	4	101168332	0.983871	0.32222222	trans-acting-o
rs12186264	NA	4	168985447	0.9677419	0.15909091	trans-acting-o
rs1449672	NA	6	156345146	0.983871	0.48888889	trans-acting-o
rs2237136	JARID2	6	15465144	0.9677419	0.31818182	trans-acting-o

rs10512602	TMEM104	17	72774175	0.983871	0.48888889	trans-acting-o
rs4697372	LOC643751	4	23244074	0.9677419	0.46590909	trans-acting-o
rs1031588	NA	8	128093277	0.983871	0.2173913	trans-acting-o
rs2278746	TACR2	10	71167235	0.9516129	0.5	trans-acting-o
rs25434	GRID1	10	87672771	0.9516129	0.30232558	trans-acting-o
rs10166783	NA	2	62017085	1	0.22826087	trans-acting-o
rs886731	SDK1	7	4247497	1	0.11956522	trans-acting-o
rs12984234	MARK4	19	45774680	1	0.26086957	trans-acting-o
rs10840406	NA	11	10433426	1	0.05434783	trans-acting-o
rs10245949	PKD1L1	7	47877939	1	0.47826087	trans-acting-o
rs10493157	NA	1	52015111	0.983871	0.08888889	trans-acting-o
rs2543073	INDOL1	8	39850058	0.9516129	0.46590909	trans-acting-o
rs2406550	NA	16	59697019	0.9516129	0.36046512	trans-acting-o
rs10799739	NA	1	22522352	1	0.08695652	trans-acting-o
rs5017213	SPATA17	1	217893504	1	0.34782609	trans-acting
rs2445421	NA	12	15165841	0.983871	0.43333333	trans-acting-o
rs4815075	NA	20	2238145	0.9677419	0.40909091	trans-acting-o
rs17140133	HDAC9	7	18886177	1	0.05434783	trans-acting-o
rs7849248	IFT74	9	26979027	0.983871	0.07608696	trans-acting-o
rs7838749	C8orf74	8	10537940	0.9354839	0.26744186	trans-acting-o
rs2041955	NA	23	3489365	0.983871	0.45652174	trans-acting-o
rs10891639	NA	11	114133634	0.9677419	0.19318182	trans-acting-o
rs1989963	NA	7	83864172	0.983871	0.44444444	trans-acting-o
rs7101891	LOC440040	11	49598257	1	0.11956522	trans-acting-o
rs37458	ST3GAL3	1	44290530	0.9516129	0.3372093	trans-acting-o
rs10846956	NA	12	126198417	0.983871	0.43333333	trans-acting-o
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting
rs6442763	CNTN4	3	2921515	1	0.47826087	trans-acting-o
rs13238568	GTF2I	7	74076493	1	0.31521739	trans-acting-o
rs1458076	NA	11	81142043	0.9516129	0.48837209	trans-acting-o
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o
rs6738475	NA	2	106165605	0.9516129	0.38372093	trans-acting-o
rs6424449	NEGR1	1	72284206	0.9677419	0.37777778	trans-acting
rs2076494	NA	6	1101323	0.9516129	0.29069767	trans-acting-o
rs10511999	TMEM2	9	74296497	0.8387097	0.37837838	trans-acting-o
rs13203066	NA	6	93368951	1	0.20652174	trans-acting-o
rs10777839	NA	12	78621604	0.9677419	0.22222222	trans-acting-o
rs17018103	NA	3	26489034	0.983871	0.1	trans-acting-o
rs11682065	NA	2	231422963	0.9516129	0.34883721	trans-acting-o
rs11668891	NA	19	27972553	0.9516129	0.09302326	trans-acting-o
rs11637274	NA	15	33456673	0.983871	0.47777778	trans-acting-o
rs1053592	PHLDA3	1	201434740	0.9354839	0.30952381	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs7962280	TSPAN9	12	3319385	0.9677419	0.45454545	trans-acting-o
rs880536	FOXN3	14	89925434	0.9354839	0.47674419	trans-acting-o
rs1449984	NA	2	23414651	0.983871	0.40217391	trans-acting-o
rs6440806	NA	3	152201259	1	0.43478261	trans-acting-o
rs13418044	NA	2	216763506	1	0.20652174	trans-acting-o
rs2919370	NRG1	8	32476816	0.9677419	0.45454545	trans-acting-o
rs2439523	SDC2	8	97535033	1	0.08695652	trans-acting-o

rs735112	PRKCE	2	46110425	0.983871	0.43333333	trans-acting-o
rs37459	ST3GAL3	1	44289397	0.983871	0.34444444	trans-acting-o
rs1666910	PPM1H	12	63276909	0.983871	0.46666667	trans-acting-o
rs5926396	NA	X	27214759	0.9193549	0.3452381	trans-acting-o
rs7723981	NA	5	40404912	1	0.07608696	trans-acting-o
rs6464907	NA	7	148188533	0.9516129	0.44186047	trans-acting-o
rs7836759	KIF13B	8	28977112	0.9516129	0.31818182	trans-acting-o
rs2074359	FLYWCH1	16	2984868	1	0.09782609	trans-acting-o
rs2576197	ESRRG	1	217122207	0.9677419	0.07954545	trans-acting-o
rs6556408	NA	5	158655841	0.9516129	0.41860465	trans-acting-o
rs2237135	JARID2	6	15465299	0.9516129	0.31395349	trans-acting-o
rs11887903	NA	2	87556307	1	0.06521739	trans-acting-o
rs12921856	CNTNAP4	16	76512579	1	0.09782609	trans-acting-o
rs2114736	NA	7	81266952	0.9677419	0.17045455	trans-acting-o
rs320205	NA	9	104943675	0.9193549	0.38095238	trans-acting
rs1044471	ADIPOR2	12	1896956	1	0.45652174	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs1889407	ABCA4	1	94489553	1	0.35869565	trans-acting
rs1707302	LOC10013312	1	46600917	0.983871	0.32222222	trans-acting-o
rs6556401	NA	5	158579712	0.9677419	0.44318182	trans-acting-o
rs1362089	NA	6	30209802	0.983871	0.4	trans-acting-o
rs11054841	LOH12CR1	12	12509314	1	0.38043478	trans-acting-o
rs400052	SRGAP3	3	9218727	1	0.34782609	trans-acting-o
rs3200942	ISG20	15	89182596	0.983871	0.46666667	trans-acting-o
rs4616238	NA	15	61692518	1	0.4673913	trans-acting-o
rs7077436	LHPP	10	126230878	0.983871	0.47777778	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs10448083	NA	8	29565755	0.9354839	0.40697674	trans-acting-o
rs3020119	NA	8	118006571	0.9677419	0.45454545	trans-acting
rs13404754	C2orf24	2	220035581	0.9677419	0.42045455	trans-acting-o
rs17778588	NA	18	63213157	0.9516129	0.27272727	trans-acting-o
rs4667582	LASS6	2	169417219	1	0.40217391	trans-acting-o
rs11596744	NA	10	109098595	0.9677419	0.47727273	trans-acting-o
rs7176022	LMAN1L	15	75107880	0.9677419	0.36363636	trans-acting-o
rs2040345	NA	22	22561973	1	0.38043478	trans-acting-o
rs12490625	NA	3	166155183	0.983871	0.07777778	trans-acting-o
rs1010044	NA	17	70293326	0.983871	0.31111111	trans-acting-o
rs11097974	LOC644993	4	109163035	0.983871	0.44444444	trans-acting-o
rs1629316	HNT	11	131935274	0.983871	0.2	trans-acting-o
rs1942196	NA	18	68690686	0.9354839	0.30232558	trans-acting
rs2193596	YLPM1	14	75234101	0.9193549	0.2804878	trans-acting-o
rs11013137	CACNB2	10	18531619	1	0.48913043	trans-acting-o
rs12948905	PIGL	17	16224875	0.9193549	0.48780488	trans-acting-o
rs7307765	NA	12	72651737	1	0.32608696	trans-acting-o
rs9645353	NA	1	208623622	1	0.31521739	trans-acting
rs11702560	NA	21	47393268	0.9516129	0.37209302	trans-acting-o
rs2859644	WWOX	16	78571750	0.983871	0.1	trans-acting-o
rs9325627	NA	21	43403888	0.9677419	0.39772727	trans-acting-o
rs2715878	DDEF2	2	9515534	0.983871	0.37777778	trans-acting-o
rs220717	GPR116	6	46887553	0.983871	0.46666667	trans-acting-o

rs11937354	NA		4	96537724	0.9677419	0.42045455	trans-acting-o
rs1381484	NA		8	107954511	1	0.08695652	trans-acting-o
rs6988682	NA		8	62006248	0.983871	0.32222222	trans-acting-o
rs7202021	A2BP1		16	7754746	1	0.30434783	trans-acting-o
rs17496723	NA		6	11238633	0.983871	0.32222222	trans-acting-o
rs10841227	NA		12	19573650	0.9677419	0.35227273	trans-acting-o
rs755730	NA		17	14197451	0.9193549	0.31707317	trans-acting-o
rs12646059	MAML3		4	140668096	0.983871	0.14444444	trans-acting-o
rs6712819	STK39		2	168954776	0.9354839	0.43023256	trans-acting-o
rs6791119	NA		3	157595799	1	0.39130435	trans-acting-o
rs5952244	NA	X		44405632	0.983871	0.44444444	trans-acting-o
rs7174737	NA		15	98804208	0.983871	0.38888889	trans-acting-o
rs6427199	F5		1	169523537	0.9516129	0.3372093	trans-acting-o
rs7554991	NA		1	55208767	0.983871	0.43333333	trans-acting
rs9617464	NA		22	49201704	1	0.40217391	trans-acting-o
rs11134532	SLIT3		5	168225838	0.983871	0.35555556	trans-acting-o
rs2514373	NA		11	114947468	0.9354839	0.37209302	trans-acting-o
rs524764	CWF19L2		11	107295294	0.8870968	0.3	trans-acting
rs326305	NA		3	96152471	0.9677419	0.38888889	trans-acting-o
rs638990	NA		6	150731232	1	0.32608696	trans-acting-o
rs2919370	NRG1		8	32476816	0.9677419	0.45454545	trans-acting-o
rs1282633	NA		18	68399298	0.9516129	0.22727273	trans-acting-o
rs883242	SLIT3		5	168235180	0.9677419	0.38636364	trans-acting-o
rs9952724	KIAA0427		18	46252815	0.9677419	0.28888889	trans-acting-o
rs329174	NA		5	125132123	0.9677419	0.32954545	trans-acting-o
rs11151045	NA		18	75125168	0.9354839	0.47619048	trans-acting-o
rs10962599	BNC2		9	16795286	0.9032258	0.4375	trans-acting-o
rs12404503	NA		1	58811029	1	0.14130435	trans-acting-o
rs6969069	NA		7	8326998	1	0.25	trans-acting-o
rs11741702	ETF1		5	137842787	0.9516129	0.05813953	trans-acting
rs1727733	NA		19	45038611	0.983871	0.33333333	trans-acting-o
rs2243472	NA		7	112944262	0.983871	0.23333333	trans-acting-o
rs13189816	NA		5	32989116	0.9516129	0.45348837	trans-acting-o
rs11084993	NA		19	3042734	1	0.31521739	trans-acting-o
rs4858142	NA		3	25143427	0.983871	0.26666667	trans-acting-o
rs2835822	NA		21	38948960	0.983871	0.42222222	trans-acting-o
rs1423946	NA		16	60136254	0.9677419	0.46590909	trans-acting-o
rs5935402	NA	X		12759444	0.983871	0.15555556	trans-acting-o
rs12963027	NA		18	43264374	0.9193549	0.39285714	trans-acting-o
rs7154632	MIA2		14	39710813	0.9354839	0.39534884	trans-acting-o
rs10733310	BNC2		9	16464980	0.9032258	0.3875	trans-acting-o
rs2267891	NRCAM		7	108025395	0.983871	0.11111111	trans-acting
rs1442817	NA		15	98779001	0.983871	0.4	trans-acting-o
rs4147841	ABCA4		1	94497178	0.983871	0.35555556	trans-acting
rs1074750	LOC391453		2	154052591	0.983871	0.19565217	trans-acting-o
rs6699391	NA		1	81351021	0.9516129	0.39534884	trans-acting-o
rs6973933	NA		7	13253069	0.983871	0.43333333	trans-acting-o
rs6078732	NA		20	186405	0.9193549	0.5	trans-acting-o
rs868045	GAS8		16	90102835	0.9677419	0.42045455	trans-acting-o
rs12707703	NRG1		8	32304951	0.9677419	0.31818182	trans-acting-o

rs6441316	TMEM45A	3	100253841	0.983871	0.5	trans-acting-o
rs17646246	NA	3	158622785	1	0.09782609	trans-acting-o
rs12643425	WWC2	4	184201182	0.9193549	0.48780488	trans-acting-o
rs4605801	NA	5	30148474	0.983871	0.18888889	trans-acting-o
rs4680375	NA	3	157250987	0.983871	0.32222222	trans-acting-o
rs1328285	C9orf93	9	15922137	0.9516129	0.1744186	trans-acting
rs10828424	CACNB2	10	18579737	0.9677419	0.38636364	trans-acting-o
rs11700279	NA	20	53288503	0.983871	0.44444444	trans-acting-o
rs7649811	NA	3	104587776	1	0.08695652	trans-acting-o
rs10405297	NA	19	43738340	0.9516129	0.26744186	trans-acting-o
rs341224	L3MBTL4	18	6393687	0.9516129	0.47727273	trans-acting-o
rs12985354	CD22	19	35837428	0.9677419	0.375	trans-acting-o
rs1046116	PKP2	12	33021934	0.983871	0.26666667	trans-acting-o
rs1537375	NA	9	22116071	0.983871	0.31111111	trans-acting
rs4354606	FRMD4A	10	13989027	0.983871	0.2	trans-acting-o
rs2823687	C21orf34	21	17624130	0.983871	0.28888889	trans-acting-o
rs2710828	PALLD	4	169569516	0.9677419	0.38636364	trans-acting-o
rs3821173	ADAM23	2	207478160	0.8870968	0.475	trans-acting-o
rs12476779	NA	2	240662813	0.983871	0.5	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs1869302	NA	15	40804518	0.983871	0.34444444	trans-acting-o
rs11033542	NA	11	36324962	0.9354839	0.39534884	trans-acting-o
rs5922189	NA	X	84908382	1	0.2173913	trans-acting
rs1470776	NKAIN3	8	63377762	1	0.48913043	trans-acting-o
rs3765066	SCAMP2	15	75140854	0.983871	0.44444444	trans-acting-o
rs6782400	ATR	3	142295368	1	0.41304348	trans-acting-o
rs8044982	NDRG4	16	58521090	0.983871	0.32222222	trans-acting-o
rs3816735	WDR37	10	1141749	0.9516129	0.44186047	trans-acting-o
rs1744297	LOC374569	14	104568472	1	0.14130435	trans-acting-o
rs10152713	PIAS1	15	68471891	0.983871	0.36666667	trans-acting-o
rs757902	NA	7	106500358	0.9516129	0.25581395	trans-acting-o
rs2335356	NA	13	23436710	1	0.29347826	trans-acting-o
rs7564737	XIRP2	2	167763637	0.9677419	0.29545455	trans-acting-o
rs1638	NA	2	231434724	0.9516129	0.36046512	trans-acting-o
rs239498	NA	6	80707570	0.983871	0.44444444	trans-acting-o
rs2070370	NA	21	36157698	0.9677419	0.39772727	trans-acting-o
rs9300794	NA	13	88604329	0.983871	0.47777778	trans-acting-o
rs1325881	NA	10	8613894	0.983871	0.11956522	trans-acting-o
rs17519579	NA	16	31730525	0.983871	0.08888889	trans-acting-o
rs4148343	ABCC1	16	16142358	1	0.17391304	trans-acting-o
rs6732355	NA	2	104984277	1	0.25	trans-acting-o
rs2667611	WWOX	16	78550848	1	0.10869565	trans-acting-o
rs1621854	SMYD3	1	246444111	1	0.34782609	trans-acting
rs2349026	NA	5	152460391	0.9677419	0.375	trans-acting-o
rs10756815	BNC2	9	16789081	0.9032258	0.2	trans-acting-o
rs13078073	NA	3	157594704	1	0.23913043	trans-acting-o
rs7189621	NA	16	62321972	0.983871	0.45555556	trans-acting-o
rs7616137	NA	3	82257693	0.983871	0.35555556	trans-acting-o
rs7157639	FERMT2	14	53388161	0.9516129	0.13953488	trans-acting-o
rs7634158	ATR	3	142227902	1	0.40217391	trans-acting-o

rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs1396733	NA	2	28642747	0.983871	0.42222222	trans-acting-o
rs7990353	NA	13	81531621	0.9516129	0.3255814	trans-acting-o
rs353940	NA	5	77109713	0.9677419	0.47777778	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs1727733	NA	19	45038611	0.983871	0.33333333	trans-acting-o
rs1471293	RGS22	8	101117734	0.9354839	0.47674419	trans-acting-o
rs1482960	IQCA	2	237302114	0.9516129	0.48837209	trans-acting-o
rs7559461	LOC728597	2	3818623	0.983871	0.5	trans-acting-o
rs1881986	NAALADL2	3	174635890	0.983871	0.18888889	trans-acting-o
rs4922113	NA	8	19734951	0.9516129	0.12790698	trans-acting-o
rs6488068	FGD4	12	32742369	0.9677419	0.375	trans-acting-o
rs10862476	NA	12	77133805	1	0.44565217	trans-acting-o
rs1888233	CDH4	20	60330913	0.983871	0.33333333	trans-acting-o
rs1931333	NA	20	56626271	0.9516129	0.44186047	trans-acting-o
rs2716474	LUZP2	11	24832009	1	0.33695652	trans-acting
rs6842329	NA	4	138506420	0.983871	0.2	trans-acting-o
rs425105	PRKD2	19	47208481	0.983871	0.12222222	trans-acting-o
rs4717980	NA	7	63542866	0.9354839	0.30952381	trans-acting-o
rs7174211	KLF13	15	31637996	0.9677419	0.375	trans-acting-o
rs10199698	NA	2	48193108	0.983871	0.27173913	trans-acting-o
rs16863222	NA	2	16195030	0.9516129	0.44318182	trans-acting-o
rs2168924	USH2A	1	216440105	0.983871	0.32222222	trans-acting
rs1560059	NA	5	162636918	0.983871	0.38888889	trans-acting-o
rs13003233	NA	2	207705755	1	0.38043478	trans-acting-o
rs7283987	NA	21	20233391	0.983871	0.07777778	trans-acting-o
rs706723	NA	5	67762172	0.9677419	0.48888889	trans-acting-o
rs3847997	NA	13	22359400	1	0.29347826	trans-acting-o
rs10799340	NA	1	226375267	0.9677419	0.35227273	trans-acting-o
rs6066646	NA	20	46778604	1	0.4673913	trans-acting-o
rs17040932	NA	4	162268088	1	0.07608696	trans-acting-o
rs737126	LOC257407	2	231896779	0.9516129	0.29069767	trans-acting-o
rs929579	PROX2	14	75330697	0.9032258	0.29268293	trans-acting-o
rs876718	NA	2	15808935	1	0.13043478	trans-acting-o
rs876718	NA	2	15808935	1	0.13043478	trans-acting-o
rs955345	NA	4	153925259	0.983871	0.48888889	trans-acting-o
rs17140730	A2BP1	16	6657691	1	0.30434783	trans-acting-o
rs1370274	FAH	15	80452075	0.983871	0.42222222	trans-acting-o
rs918345	DNER	2	230328001	0.9354839	0.24418605	trans-acting-o
rs2283824	TPST2	22	26924456	1	0.5	trans-acting-o
rs353951	NA	5	77098569	0.9032258	0.5	trans-acting-o
rs3770592	ABCB11	2	169838040	1	0.39130435	trans-acting
rs7570682	NA	2	104983267	0.983871	0.31521739	trans-acting-o
rs11679532	CNTNAP5	2	124846657	1	0.36956522	trans-acting-o
rs13144195	NA	4	26461373	1	0.48913043	trans-acting-o
rs6066649	NA	20	46779442	0.983871	0.46666667	trans-acting-o
rs10435864	FKBP15	9	115950706	0.8870968	0.4875	trans-acting-o
rs38991	NA	7	153577554	0.983871	0.4	trans-acting-o
rs1791468	NA	11	106408071	0.9354839	0.48837209	trans-acting-o
rs10869538	PIP5K1B	9	71539731	0.9193549	0.25	trans-acting-o



rs12131684	NA	1	24567435	1	0.40217391	trans-acting-o
rs6128602	NA	20	58088597	1	0.30434783	trans-acting-o
rs7981607	NA	13	86716606	1	0.2826087	trans-acting-o
rs10506840	ACSS3	12	81474736	1	0.11956522	trans-acting-o
rs7738738	PHACTR2	6	144034269	1	0.09782609	trans-acting-o
rs7905482	NA	10	81863964	0.983871	0.32222222	trans-acting-o
rs7793970	WBSCR17	7	70736168	1	0.47826087	trans-acting-o
rs5970612	NA	23	22525841	0.983871	0.13333333	trans-acting-o
rs1317852	NA	12	104781627	0.983871	0.43333333	trans-acting-o
rs950265	NA	14	44840554	0.8870968	0.30769231	trans-acting-o
rs981905	SGCZ	8	14082230	0.9677419	0.38636364	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs9683085	ATR	3	142248498	0.983871	0.4	trans-acting-o
rs6665194	BCL2L15	1	114417843	0.9677419	0.39772727	trans-acting-o
rs2301888	PADI4	1	17672730	0.9677419	0.32954545	trans-acting-o
rs10186875	NA	2	232294380	0.9516129	0.18181818	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs2028566	UXS1	2	106762366	1	0.43478261	trans-acting-o
rs1126700	ATF3	1	212793849	1	0.06521739	trans-acting-o
rs7701590	NA	5	108990146	1	0.05434783	trans-acting-o
rs315419	NA	6	153523383	0.983871	0.43333333	trans-acting-o
rs462347	NA	6	5095147	0.983871	0.34444444	trans-acting-o
rs1321936	NA	20	12826999	0.9516129	0.39534884	trans-acting-o
rs7503517	ALDH3A2	17	19578140	1	0.25	trans-acting-o
rs4130874	NA	3	23137405	0.983871	0.38888889	trans-acting
rs10744079	PDE6H	12	15133720	0.983871	0.41111111	trans-acting-o
rs706724	NA	5	67773324	0.983871	0.44444444	trans-acting-o
rs1953652	NA	1	87051201	0.9677419	0.375	trans-acting-o
rs3134498	NA	8	96823305	0.9677419	0.46590909	trans-acting-o
rs648119	NA	8	103138045	0.9354839	0.47674419	trans-acting-o
rs10569	PGM2	4	37863385	0.983871	0.07777778	trans-acting-o
rs11134532	SLIT3	5	168225838	0.983871	0.35555556	trans-acting-o
rs190935	SLIT3	5	168584463	0.9677419	0.08888889	trans-acting-o
rs907341	NA	3	73743436	0.983871	0.23333333	trans-acting-o
rs353940	NA	5	77109713	0.9677419	0.47777778	trans-acting-o
rs7782677	NA	7	98356158	0.9677419	0.43181818	trans-acting-o
rs3731900	FAM134A	2	220046975	0.9516129	0.41860465	trans-acting-o
rs2919370	NRG1	8	32476816	0.9677419	0.45454545	trans-acting-o
rs1717623	GRB14	2	165348899	0.9354839	0.05952381	trans-acting-o
rs11134532	SLIT3	5	168225838	0.983871	0.35555556	trans-acting-o
rs7088886	CCDC6	10	61576850	1	0.44565217	trans-acting
rs7350384	NA	10	60614717	0.9516129	0.46511628	trans-acting-o
rs10419714	NA	19	30345605	0.9677419	0.28409091	trans-acting-o
rs9792278	PXDNL	8	52430803	0.9677419	0.44318182	trans-acting-o
rs13203066	NA	6	93368951	1	0.20652174	trans-acting-o
rs10496731	ACMSD	2	135597628	0.9516129	0.43023256	trans-acting-o
rs7195110	CDH13	16	82726484	0.9516129	0.41860465	trans-acting-o
rs29656	NA	5	172927862	0.9677419	0.48863636	trans-acting-o
rs4377361	NRXN1	2	50594162	1	0.33695652	trans-acting-o
rs12085890	NA	1	197995095	1	0.11956522	trans-acting-o

rs17673557	NA	2	23411774	0.983871	0.36956522	trans-acting-o
rs1358230	NA	4	122956271	0.9677419	0.29545455	trans-acting-o
rs11857440	KLF13	15	31642534	0.9354839	0.38095238	trans-acting-o
rs6543378	UXS1	2	106765133	1	0.42391304	trans-acting-o
rs1517033	RAX	18	56937737	0.9193549	0.42857143	trans-acting-o
rs3747532	CER1	9	14722477	0.9354839	0.26190476	trans-acting-o
rs1414174	NA	13	88494635	0.9677419	0.31818182	trans-acting-o
rs2836772	NA	21	40316100	0.983871	0.4	trans-acting-o
rs9321827	NA	6	141945147	0.983871	0.42222222	trans-acting-o
rs359113	NA	10	132166789	0.983871	0.07608696	trans-acting-o
rs2151847	ABCA4	1	94489975	0.9354839	0.33333333	trans-acting
rs4832782	NA	4	35807973	1	0.20652174	trans-acting-o
rs8182587	KCNN1	19	18107913	0.983871	0.35555556	trans-acting-o
rs6960014	DGKB	7	14341345	0.983871	0.2	trans-acting-o
rs12600895	NA	17	32872853	0.983871	0.24444444	trans-acting-o
rs11746980	NA	5	44777878	0.983871	0.33333333	trans-acting-o
rs727824	NA	3	81283362	1	0.07608696	trans-acting-o
rs2585373	NA	14	49229640	0.9516129	0.3255814	trans-acting-o
rs7836759	KIF13B	8	28977112	0.9516129	0.31818182	trans-acting-o
rs4789148	NA	17	71555674	0.983871	0.48888889	trans-acting-o
rs12131971	NA	1	38809580	1	0.5	trans-acting-o
rs2054507	NA	15	94574008	1	0.06521739	trans-acting-o
rs2115866	NAP5	2	133999831	0.9354839	0.17857143	trans-acting-o
rs1327495	NA	9	4974441	0.9677419	0.38636364	trans-acting-o
rs12959318	NA	18	11643985	1	0.18478261	trans-acting-o
rs11139174	NA	9	83985424	0.9032258	0.24390244	trans-acting-o
rs905164	IQGAP2	5	75879553	0.983871	0.48888889	trans-acting-o
rs2586268	ABR	17	1020183	0.9516129	0.09302326	trans-acting-o
rs11971009	NA	7	4695808	1	0.17391304	trans-acting-o
rs12195030	NA	6	89183007	1	0.43478261	trans-acting-o
rs9321103	PTPRK	6	128288780	0.9354839	0.45238095	trans-acting-o
rs7836759	KIF13B	8	28977112	0.9516129	0.31818182	trans-acting-o
rs6988682	NA	8	62006248	0.983871	0.32222222	trans-acting-o
rs319299	DYNC11I	7	95532370	0.983871	0.47777778	trans-acting-o
rs9461458	NA	6	28355875	0.9516129	0.37209302	trans-acting-o
rs11862833	NA	16	52663445	0.983871	0.31111111	trans-acting-o
rs6725180	LOC10012792	2	152963360	0.9677419	0.375	trans-acting-o
rs3999570	CCDC6	10	61603218	0.983871	0.44444444	trans-acting
rs3999570	CCDC6	10	61603218	0.983871	0.44444444	trans-acting
rs11746980	NA	5	44777878	0.983871	0.33333333	trans-acting-o
rs7608319	NA	2	18498682	0.9677419	0.10227273	trans-acting-o
rs7295741	TRHDE	12	72677063	0.983871	0.31111111	trans-acting-o
rs6509337	EHD2	19	48231573	0.983871	0.33333333	trans-acting-o
rs2836743	FLJ45139	21	40275033	1	0.29347826	trans-acting-o
rs304023	ITPR1	3	4566033	0.9516129	0.5	trans-acting-o
rs2116107	NA	4	116729187	0.9677419	0.47727273	trans-acting-o
rs9300690	ITGBL1	13	102346059	0.9677419	0.42045455	trans-acting
rs1077483	NA	7	128743124	1	0.11956522	trans-acting-o
rs10515198	HMGCR	5	74641560	0.983871	0.07777778	trans-acting-o
rs3019885	NA	8	118025645	0.9677419	0.46590909	trans-acting

rs17135019	NA	7	4711169	0.983871	0.17777778	trans-acting-o
rs12432376	NA	14	25942829	0.983871	0.28888889	trans-acting-o
rs1026688	ZNF385D	3	21506180	1	0.42391304	trans-acting-o
rs2716822	NA	4	180394229	1	0.13043478	trans-acting-o
rs7161203	SNX6	14	35087218	0.9193549	0.3452381	trans-acting-o
rs10758452	FRMPD1	9	37706566	0.8709677	0.23076923	trans-acting-o
rs8042694	COX5A	15	75225415	0.9516129	0.3372093	trans-acting-o
rs1375786	NA	8	83991555	0.983871	0.28888889	trans-acting-o
rs4386757	CHSY3	5	129353349	0.9354839	0.31395349	trans-acting-o
rs17646246	NA	3	158622785	1	0.09782609	trans-acting-o
rs483611	NA	11	126013781	0.9354839	0.0952381	trans-acting-o
rs17332661	NA	23	23516725	1	0.15217391	trans-acting-o
rs10282353	GLI3	7	42112533	1	0.4673913	trans-acting-o
rs12361543	NA	11	116467589	0.9516129	0.32954545	trans-acting-o
rs2272955	WFDC8	20	44184498	0.983871	0.07777778	trans-acting-o
rs17046561	NA	4	166420437	1	0.05434783	trans-acting-o
rs7700588	EPB41L4A	5	111551893	0.983871	0.31111111	trans-acting-o
rs703797	NA	1	14666142	0.9677419	0.08888889	trans-acting-o
rs4354606	FRMD4A	10	13989027	0.983871	0.2	trans-acting-o
rs3795547	PCTK3	1	205500829	1	0.07608696	trans-acting-o
rs973149	NA	5	162016445	0.983871	0.25555556	trans-acting-o
rs3742783	RPS6KL1	14	75377008	0.8870968	0.275	trans-acting-o
rs6850991	NA	4	179105538	0.9516129	0.30232558	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs2735052	NA	6	29701564	0.9677419	0.44318182	trans-acting-o
rs2366501	WEE2	7	141428042	0.9677419	0.47727273	trans-acting-o
rs7697974	SYNPO2	4	119884361	1	0.14130435	trans-acting-o
rs12731649	NA	1	104505419	0.9354839	0.45348837	trans-acting
rs1420306	CHD9	16	53297395	0.9193549	0.41666667	trans-acting-o
rs230669	NA	11	77875386	0.9516129	0.37209302	trans-acting-o
rs11082000	BRUNOL4	18	34917023	0.983871	0.14444444	trans-acting-o
rs6075459	NA	20	19052536	0.983871	0.27173913	trans-acting-o
rs6784221	NA	3	162740414	0.9516129	0.30681818	trans-acting-o
rs1232799	NA	2	106634447	1	0.4673913	trans-acting-o
rs3807723	MAGI2	7	77744459	0.9677419	0.32222222	trans-acting-o
rs2526004	C9orf98	9	135738813	0.9032258	0.40243902	trans-acting-o
rs11971009	NA	7	4695808	1	0.17391304	trans-acting-o
rs4462177	NTNG1	1	107707343	1	0.09782609	trans-acting-o
rs10000708	ATP8A1	4	42475352	0.983871	0.4	trans-acting-o
rs4768521	NA	12	44065193	0.9677419	0.46590909	trans-acting-o
rs1981724	LOC647038	2	59583448	0.9677419	0.11111111	trans-acting-o
rs13078073	NA	3	157594704	1	0.23913043	cis-acting
rs1507167	SH3RF1	4	170154798	0.983871	0.4	trans-acting
rs4257373	NA	2	6052307	1	0.06521739	trans-acting-o
rs1570131	MIA2	14	39721010	0.9354839	0.41860465	trans-acting-o
rs2684838	FUSSEL18	18	44748079	0.9516129	0.43181818	trans-acting-o
rs4644138	NA	7	22882827	1	0.45652174	trans-acting-o
rs7190647	A2BP1	16	7616856	1	0.09782609	trans-acting-o
rs615568	PTPRA	20	3008775	0.983871	0.48913043	trans-acting-o
rs11640251	VAC14	16	70742536	0.9516129	0.5	trans-acting-o

rs6928437	NA	6	18100332	0.9193549	0.35365854	trans-acting-o
rs7836759	KIF13B	8	28977112	0.9516129	0.31818182	trans-acting-o
rs429940	MICAL3	22	18292466	0.983871	0.37777778	trans-acting-o
rs6780502	NA	3	19765367	0.983871	0.25	trans-acting-o
rs8177185	TF	3	133464618	0.983871	0.06666667	trans-acting-o
rs8177185	TF	3	133464618	0.983871	0.06666667	trans-acting-o
rs4245814	NA	2	47538683	1	0.08695652	trans-acting-o
rs10768046	NA	11	34033151	0.9354839	0.39285714	trans-acting-o
rs485831	NA	11	103745060	0.983871	0.23333333	trans-acting-o
rs524764	CWF19L2	11	107295294	0.8870968	0.3	trans-acting
rs4145182	NA	18	41358699	0.9677419	0.48863636	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs2386144	SLC47A2	17	19587603	0.983871	0.24444444	trans-acting-o
rs1600277	NA	5	101095318	0.983871	0.31111111	trans-acting-o
rs3107034	NA	8	96814338	0.983871	0.46666667	trans-acting-o
rs7646301	NA	3	66783668	0.9677419	0.43181818	trans-acting-o
rs1980279	PKD1L1	7	47884829	0.983871	0.5	trans-acting-o
rs2620870	NA	12	61386860	1	0.45652174	trans-acting-o
rs4661034	SEMA4A	1	156133905	0.983871	0.35555556	trans-acting-o
rs6725743	PLEK	2	68622990	0.983871	0.06666667	trans-acting-o
rs7311216	NA	12	54534592	0.983871	0.46666667	trans-acting-o
rs131887	TBC1D22A	22	47438107	0.983871	0.47777778	trans-acting-o
rs6866580	TRIM36	5	114466145	0.9677419	0.42045455	trans-acting-o
rs917065	PCNX	14	71397846	0.983871	0.30434783	trans-acting-o
rs6580149	NA	5	154618310	1	0.08695652	trans-acting
rs6973933	NA	7	13253069	0.983871	0.43333333	trans-acting-o
rs4508063	NA	1	31115997	0.983871	0.23333333	trans-acting
rs4725927	NA	7	150392005	1	0.2173913	trans-acting-o
rs6907950	NA	6	28370246	0.9354839	0.36904762	trans-acting-o
rs2297277	NA	21	42654648	1	0.41304348	trans-acting-o
rs1115947	NA	18	63916016	0.983871	0.33333333	trans-acting-o
rs9306514	CELSR1	22	46837114	0.983871	0.36666667	trans-acting-o
rs9998059	NA	4	15866814	1	0.32608696	trans-acting-o
rs2583537	NA	2	76213310	0.983871	0.38888889	trans-acting-o
rs6066870	NA	20	36196756	0.9677419	0.36666667	trans-acting-o
rs2028812	NA	13	44499013	0.9677419	0.47727273	trans-acting-o
rs2818758	ESRRG	1	217122871	0.983871	0.08888889	trans-acting-o
rs17608059	NA	17	13910549	0.983871	0.38888889	trans-acting-o
rs13421034	NA	2	208892371	0.9032258	0.42857143	trans-acting-o
rs1953463	NA	14	44797800	0.9677419	0.19318182	trans-acting-o
rs7151279	NA	14	104907273	0.9677419	0.34444444	trans-acting-o
rs12627010	NA	21	35311557	0.983871	0.37777778	trans-acting-o
rs7570682	NA	2	104983267	0.983871	0.31521739	trans-acting-o
rs615568	PTPRA	20	3008775	0.983871	0.48913043	trans-acting-o
rs4545066	NA	8	96462577	1	0.10869565	trans-acting-o
rs17651098	NA	18	36299007	0.9677419	0.35227273	trans-acting-o
rs1156096	LOC729847	16	80423723	0.983871	0.24444444	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs4584622	TRHDE	12	72672823	1	0.30434783	trans-acting-o
rs759359	LOC10012859	2	40329105	1	0.08695652	trans-acting-o

rs4926745	AGBL4	1	49077356	1	0.30434783	trans-acting-o
rs6665000	NA	1	924898	1	0.06521739	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs11242006	KIAA1024L	5	129095501	0.9677419	0.28888889	trans-acting-o
rs2119331	NA	14	43744480	0.983871	0.3	trans-acting-o
rs10758821	JMJD2C	9	7030268	0.9354839	0.42857143	trans-acting-o
rs10516617	NA	4	122948697	0.9677419	0.375	trans-acting-o
rs4753092	NA	11	93330918	0.9354839	0.46511628	trans-acting-o
rs17642827	NA	14	82085039	0.983871	0.10869565	trans-acting-o
rs9387402	DSE	6	116740906	1	0.09782609	trans-acting-o
rs4721319	DGKB	7	14334844	0.983871	0.18888889	trans-acting-o
rs3121580	RRP15	1	218492121	1	0.19565217	trans-acting-o
rs11217598	NA	11	98792975	0.9193549	0.48809524	trans-acting-o
rs7894394	NA	10	130419070	0.9677419	0.41111111	trans-acting-o
rs6440078	XRN1	3	142070495	1	0.41304348	trans-acting-o
rs10045432	NA	5	43865891	0.983871	0.12222222	trans-acting-o
rs7278243	NA	21	25015303	1	0.10869565	trans-acting-o
rs9584312	CLDN10	13	96132624	0.983871	0.45555556	trans-acting-o
rs2423516	NA	20	10706876	0.983871	0.46666667	trans-acting-o
rs514518	BAI3	6	69541114	0.9677419	0.46590909	trans-acting-o
rs11862833	NA	16	52663445	0.983871	0.31111111	trans-acting-o
rs1919515	SPOCK1	5	136822835	0.9354839	0.37209302	trans-acting-o
rs4737886	DEPDC2	8	68962961	0.983871	0.36666667	trans-acting-o
rs10516208	MIST	4	10661734	0.983871	0.38888889	trans-acting-o
rs10144974	SAMD4A	14	55071882	0.983871	0.3	trans-acting-o
rs12464203	NRXN1	2	50530180	1	0.09782609	trans-acting-o
rs12215942	FOXP4	6	41552005	0.9677419	0.31818182	trans-acting-o
rs10245949	PKD1L1	7	47877939	1	0.47826087	trans-acting-o
rs268304	NA	10	44581683	1	0.30434783	trans-acting-o
rs7023500	NA	9	81758706	0.9354839	0.36904762	trans-acting-o
rs9925104	NA	16	82402803	1	0.06521739	trans-acting-o
rs8053966	FTO	16	53953998	0.9193549	0.12195122	trans-acting-o
rs1523351	NA	3	20577473	0.9677419	0.38636364	trans-acting-o
rs8110279	ZFR2	19	3828433	1	0.39130435	trans-acting-o
rs6832022	KCNIP4	4	21633160	0.983871	0.1	trans-acting
rs2159616	NA	15	97576504	0.983871	0.45555556	trans-acting-o
rs7705483	NA	5	25515935	0.9354839	0.4047619	trans-acting-o
rs9376634	MCHR2	6	100429917	0.983871	0.4	trans-acting-o
rs10885633	TRUB1	10	116697194	1	0.36956522	trans-acting-o
rs7995738	NA	13	88780096	1	0.25	trans-acting-o
rs2036184	NA	4	28345775	1	0.4673913	trans-acting-o
rs10415672	NA	19	24175453	0.983871	0.43333333	trans-acting-o
rs927323	PCNXL2	1	233287373	1	0.40217391	trans-acting
rs2096507	DIP2A	21	47941916	1	0.47826087	trans-acting-o
rs17070313	NA	13	79366987	1	0.06521739	trans-acting-o
rs7311660	NA	12	75054593	1	0.42391304	trans-acting-o
rs4630382	GPRC5D	12	13102605	0.9677419	0.35227273	trans-acting-o
rs1247087	SVIL	10	30000415	0.9516129	0.39534884	trans-acting-o
rs7773051	NA	6	28340316	0.9354839	0.36904762	trans-acting-o
rs4924588	EHD4	15	42212374	0.9516129	0.40697674	trans-acting-o

rs2347457	AGBL1		15	87446563	0.9516129	0.1744186	trans-acting-o
rs820870	HEXB		5	73980111	0.9516129	0.43181818	trans-acting-o
rs10405297	NA		19	43738340	0.9516129	0.26744186	trans-acting-o
rs10041466	NA		5	13609488	0.9516129	0.38636364	trans-acting-o
rs13135857	NA		4	96723149	0.9516129	0.48837209	trans-acting-o
rs820940	NA		7	109302398	0.9677419	0.39772727	trans-acting-o
rs7190647	A2BP1		16	7616856	1	0.09782609	trans-acting-o
rs4948803	NA		10	44479236	0.983871	0.23333333	trans-acting-o
rs1132643	PKIB		6	123047016	1	0.45652174	trans-acting-o
rs6432754	NA		2	151259655	1	0.30434783	trans-acting-o
rs2466295	SLC30A8		8	118185041	0.9677419	0.42045455	trans-acting
rs2053338	NA		7	63495571	1	0.33695652	trans-acting-o
rs6010583	FAM19A5		22	49079153	1	0.05434783	trans-acting-o
rs2214459	SORCS2		4	7667486	0.983871	0.32222222	trans-acting-o
rs561122	MAML2		11	95975630	1	0.08695652	trans-acting-o
rs5935402	NA	X		12759444	0.983871	0.15555556	trans-acting-o
rs4507650	NA		7	66883410	1	0.35869565	trans-acting-o
rs11002088	KCNMA1		10	78982306	1	0.38043478	trans-acting-o
rs7208946	NA		17	25573815	0.9516129	0.39772727	trans-acting-o
rs5906073	NA		23	45527548	1	0.39130435	trans-acting-o
rs1370521	NA		2	146504682	0.9677419	0.375	trans-acting-o
rs11260970	IGSF21		1	18605945	1	0.45652174	trans-acting-o
rs12917529	FMN1		15	33159511	0.983871	0.48888889	trans-acting-o
rs12917529	FMN1		15	33159511	0.983871	0.48888889	trans-acting-o
rs957200	IL1F5		2	113821336	1	0.09782609	trans-acting-o
rs5935402	NA	X		12759444	0.983871	0.15555556	trans-acting-o
rs9522598	NA		13	90289165	0.9516129	0.48837209	trans-acting-o
rs1834212	NA		15	96075553	1	0.38043478	trans-acting-o
rs3756481	ARL15		5	53525671	1	0.38043478	trans-acting-o
rs2116283	NA		18	73869891	0.9677419	0.29545455	trans-acting-o
rs7005380	DEPDC6		8	120953873	0.983871	0.4	trans-acting-o
rs6537301	HHIP		4	145579907	0.9516129	0.42045455	trans-acting-o
rs6065183	NA		20	38642779	1	0.48913043	trans-acting-o
rs897069	NA		2	3818947	1	0.5	trans-acting-o
rs897069	NA		2	3818947	1	0.5	trans-acting-o
rs4354606	FRMD4A		10	13989027	0.983871	0.2	trans-acting-o
rs8073	SLC26A2		5	149362400	0.983871	0.32222222	trans-acting-o
rs8073	SLC26A2		5	149362400	0.983871	0.32222222	trans-acting-o
rs4393659	NA		18	74432392	0.9677419	0.28888889	trans-acting-o
rs17767366	JAKMIP1		4	6123251	0.983871	0.08888889	trans-acting-o
rs12109329	NA		5	65157265	0.983871	0.34444444	trans-acting-o
rs359107	NA		10	132227232	1	0.16304348	trans-acting-o
rs12490619	NA		3	21825078	0.9677419	0.09090909	trans-acting-o
rs7517207	NA		1	246657606	0.983871	0.34444444	trans-acting-o
rs2835695	NA		21	38674544	0.983871	0.38888889	trans-acting-o
rs2025478	NA		13	29167439	0.983871	0.12222222	trans-acting-o
rs13040020	CDH4		20	60396082	0.9677419	0.47727273	trans-acting-o
rs7084858	LOC10013298		10	80221107	1	0.22826087	trans-acting-o
rs1904577	MSR1		8	15971684	0.9677419	0.20454545	trans-acting-o
rs407148	SLC8A1		2	40456843	0.9677419	0.32222222	trans-acting-o

rs10768046	NA	11	34033151	0.9354839	0.39285714	trans-acting-o
rs161773	NA	5	104086307	0.9354839	0.35714286	trans-acting-o
rs2075946	POGK	1	166818566	0.9677419	0.10227273	trans-acting-o
rs3741800	MANSC1	12	12495959	1	0.36956522	trans-acting-o
rs4886104	NA	13	59352557	0.9032258	0.2	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs429940	MICAL3	22	18292466	0.983871	0.37777778	trans-acting-o
rs943	HK2	2	75118330	1	0.43478261	trans-acting-o
rs1548569	hCG_1745121	7	16366456	0.9677419	0.47727273	trans-acting-o
rs1727733	NA	19	45038611	0.983871	0.33333333	trans-acting-o
rs7208946	NA	17	25573815	0.9516129	0.39772727	trans-acting-o
rs1868600	LOC10013139	2	175200127	0.983871	0.18478261	trans-acting-o
rs6610998	NA X		44395894	0.983871	0.42222222	trans-acting-o
rs9616457	NA	22	49539584	0.9516129	0.41860465	trans-acting-o
rs7086835	C10orf90	10	128172651	0.983871	0.33333333	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs17299411	NA	20	31565736	0.9677419	0.22727273	trans-acting-o
rs9858981	NA	3	153034017	1	0.05434783	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs1665831	NA	4	180998616	0.9354839	0.34883721	trans-acting-o
rs9878419	TTLL3	3	9877481	0.9677419	0.39772727	trans-acting-o
rs883242	SLIT3	5	168235180	0.9677419	0.38636364	trans-acting-o
rs7598442	NA	2	98024837	0.983871	0.38888889	trans-acting-o
rs997461	NA	8	127436542	1	0.11956522	trans-acting-o
rs6690826	NA	1	198105828	0.9677419	0.27272727	trans-acting-o
rs2254524	LSS	21	47614469	0.983871	0.28888889	trans-acting-o
rs11107078	NA	12	93929947	1	0.25	trans-acting-o
rs642949	PICALM	11	85729372	0.9677419	0.26136364	trans-acting-o
rs2089503	FRYL	4	48596487	0.983871	0.43333333	trans-acting-o
rs12951421	NA	17	10799013	0.9677419	0.40909091	trans-acting-o
rs12951421	NA	17	10799013	0.9677419	0.40909091	trans-acting-o
rs7970571	NA	12	106330639	0.983871	0.48888889	trans-acting
rs10261395	NA	7	79990477	0.9677419	0.06818182	trans-acting-o
rs11033542	NA	11	36324962	0.9354839	0.39534884	trans-acting-o
rs12627010	NA	21	35311557	0.983871	0.37777778	trans-acting-o
rs12550677	NA	8	142247390	0.983871	0.48888889	trans-acting-o
rs1601278	NA	8	96838673	0.983871	0.48888889	trans-acting-o
rs4586337	LRFN5	14	42191023	0.9516129	0.15116279	trans-acting-o
rs4321604	NA	4	91745333	0.9193549	0.3902439	trans-acting-o
rs10167880	FAM49A	2	16799241	1	0.41304348	trans-acting-o
rs2743951	NA	6	29709234	0.983871	0.44444444	trans-acting-o
rs7999007	NA	13	88777556	0.983871	0.24444444	trans-acting-o
rs2156472	NA	18	8519367	1	0.44565217	trans-acting-o
rs6549984	NA	3	30394733	0.9677419	0.375	trans-acting-o
rs11631445	NA	15	101649411	0.983871	0.33333333	trans-acting-o
rs998591	NA	3	135103031	1	0.38043478	trans-acting-o
rs706724	NA	5	67773324	0.983871	0.44444444	trans-acting-o
rs10000708	ATP8A1	4	42475352	0.983871	0.4	trans-acting-o
rs26575	FCHO2	5	72294458	0.9677419	0.375	trans-acting-o
rs11721941	NA	4	133572572	0.9354839	0.45238095	trans-acting-o

rs9962863	NA	18	69325983	0.8870968	0.25609756	trans-acting-o
rs4688370	NA	3	63074219	1	0.06521739	trans-acting-o
rs17019960	NA	3	82667899	0.9677419	0.07954545	trans-acting
rs4978089	NA	9	26651364	0.8548387	0.26315789	trans-acting-o
rs11713106	NA	3	104595338	1	0.09782609	trans-acting-o
rs2947872	NA	17	67721149	1	0.45652174	trans-acting-o
rs17702722	NA	12	4969128	1	0.2173913	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs1156096	LOC729847	16	80423723	0.983871	0.24444444	trans-acting-o
rs1954783	NA	11	93346486	0.9193549	0.44047619	trans-acting-o
rs765971	SND1	7	127420642	0.9516129	0.48837209	trans-acting-o
rs3891453	PLCB1	20	8847727	0.9516129	0.39772727	trans-acting-o
rs33483	NA	3	42417576	0.983871	0.36666667	trans-acting-o
rs2241741	PARD3B	2	205906945	0.9677419	0.23863636	trans-acting-o
rs7161203	SNX6	14	35087218	0.9193549	0.3452381	trans-acting-o
rs7925657	ALX4	11	44287292	0.9354839	0.47619048	trans-acting-o
rs1426511	NA	8	129014305	1	0.36956522	trans-acting-o
rs9869663	NAALADL2	3	175094357	0.9677419	0.35227273	trans-acting-o
rs1026687	ZNF385D	3	21506161	0.983871	0.41111111	trans-acting
rs7021164	NA	9	7757657	0.9516129	0.12790698	trans-acting-o
rs13327361	NA	3	16874088	0.9193549	0.30487805	trans-acting-o
rs7115	MRPS6	21	35515117	0.9516129	0.30232558	trans-acting-o
rs2974528	TRIM36	5	114462630	0.9354839	0.41666667	trans-acting-o
rs17589063	NA	13	30672420	1	0.13043478	trans-acting-o
rs6044850	BFSP1	20	17477751	1	0.48913043	trans-acting-o
rs12299821	PDE3A	12	20554993	0.983871	0.5	trans-acting-o
rs1108961	NA	4	100663166	0.9677419	0.375	trans-acting-o
rs7614585	GLB1	3	33078170	1	0.09782609	trans-acting-o
rs10261395	NA	7	79990477	0.9677419	0.06818182	trans-acting-o
rs1402049	CAPN13	2	31009211	0.9516129	0.43023256	trans-acting-o
rs6667615	NA	1	66162630	1	0.05434783	trans-acting-o
rs13410482	NA	2	182166244	0.9677419	0.34090909	trans-acting-o
rs9912587	VAT1	17	41173086	0.983871	0.06666667	trans-acting-o
rs12195030	NA	6	89183007	1	0.43478261	trans-acting-o
rs2286894	PTPN12	7	77213472	0.9677419	0.125	trans-acting-o
rs1361385	NA	6	28358320	0.9193549	0.36585366	trans-acting-o
rs3923767	NA	2	239799547	0.9193549	0.47619048	trans-acting-o
rs1422068	TRIM36	5	114497708	1	0.40217391	trans-acting-o
rs11245582	NA	11	50057854	0.9677419	0.18181818	trans-acting-o
rs11196111	VTI1A	10	114548954	0.9677419	0.38636364	trans-acting-o
rs7679866	NA	4	113905814	1	0.19565217	trans-acting-o
rs7157639	FERMT2	14	53388161	0.9516129	0.13953488	trans-acting-o
rs1934694	DYDC2	10	82125325	0.983871	0.4	trans-acting-o
rs2446085	NA	16	81428837	1	0.41304348	trans-acting-o
rs4623463	NCOA2	8	71122418	0.9677419	0.40909091	trans-acting
rs756915	NA	11	2388861	0.9677419	0.09090909	trans-acting-o
rs881451	ICA1	7	8217022	1	0.07608696	trans-acting-o
rs10858264	NA	9	137529598	0.9516129	0.39772727	trans-acting-o
rs1484444	NA	11	15752803	0.9354839	0.29069767	trans-acting-o
rs737915	NA	22	17842731	1	0.39130435	trans-acting-o



rs87097	QRICH2	17	74269039	0.983871	0.44444444	trans-acting-o
rs9511102	NA	13	19592334	0.983871	0.26666667	trans-acting-o
rs11356	NARS	18	55268486	0.9516129	0.34090909	trans-acting-o
rs13169466	NA	5	30959557	0.983871	0.4	trans-acting-o
rs2060986	NA	3	108264948	1	0.34782609	trans-acting-o
rs11706137	NAALADL2	3	174965431	0.9677419	0.21590909	trans-acting-o
rs10773189	NA	12	126171662	0.9193549	0.41666667	trans-acting-o
rs6585776	TACC2	10	123770094	0.9677419	0.3	trans-acting-o
rs3780178	OSTF1	9	77708152	0.9193549	0.32926829	trans-acting-o
rs6687966	NA	1	214847804	1	0.06521739	trans-acting-o
rs1438734	ARHGAP26	5	142596624	1	0.2826087	trans-acting-o
rs2839160	NA	21	47652185	0.983871	0.5	trans-acting-o
rs1002791	R3HCC1	8	23153260	0.9354839	0.27906977	trans-acting-o
rs16948609	NA	17	48124582	1	0.07608696	trans-acting-o
rs17337781	NA	5	23700804	0.9354839	0.47619048	trans-acting-o
rs6973609	NA	7	35607233	0.9677419	0.40909091	trans-acting-o
rs10892470	NA	11	119678986	0.9354839	0.42857143	trans-acting-o
rs9511107	NA	13	19592831	0.983871	0.25555556	trans-acting-o
rs10930870	NA	2	180266132	1	0.30434783	trans-acting-o
rs1342165	NA	1	34800325	0.983871	0.48888889	trans-acting-o
rs4780247	NA	15	29883599	0.9516129	0.27906977	trans-acting-o
rs11210569	NA	1	38805929	0.9677419	0.48863636	trans-acting-o
rs10785367	NA	12	43061852	0.983871	0.24444444	trans-acting-o
rs12208871	RPS6KA2	6	166873823	0.983871	0.13333333	trans-acting-o
rs11799849	NA	1	20775350	0.983871	0.42222222	trans-acting-o
rs12478429	XIRP2	2	167759708	1	0.27173913	trans-acting-o
rs920749	ABR	17	1007540	0.9193549	0.30487805	trans-acting-o
rs2565614	NA	3	5511975	0.983871	0.07777778	trans-acting-o
rs1858942	NA	7	20636508	0.983871	0.45555556	trans-acting-o
rs11996752	CSMD1	8	3576390	0.9354839	0.44318182	trans-acting
rs4783961	CETP	16	56994894	0.9193549	0.47560976	trans-acting-o
rs2893959	NA	10	66383366	0.9516129	0.48837209	trans-acting-o
rs7331233	NA	13	88795180	0.983871	0.25555556	trans-acting-o
rs6488068	FGD4	12	32742369	0.9677419	0.375	trans-acting-o
rs7986958	NA	13	70934616	0.9193549	0.46341463	trans-acting-o
rs4497183	KCNK2	1	215314010	0.9354839	0.39285714	trans-acting-o
rs7258981	NA	19	9198962	1	0.26086957	trans-acting-o
rs12572132	NA	10	44564178	1	0.05434783	trans-acting-o
rs4798452	LOC10013048	18	6511191	0.9516129	0.43023256	trans-acting-o
rs390041	MICAL3	22	18288362	1	0.36956522	trans-acting-o
rs6675668	ALG14	1	95515637	0.9677419	0.39772727	trans-acting-o
rs16857259	NA	1	181378922	1	0.05434783	trans-acting-o
rs4653930	NA	1	224272942	0.983871	0.46666667	trans-acting-o
rs9376026	NA	6	134602454	0.9677419	0.48863636	trans-acting-o
rs509012	NA	13	22294663	0.9677419	0.28409091	trans-acting-o
rs9818682	NA	3	163444120	0.9677419	0.4	trans-acting-o
rs286645	NA	5	73366695	0.9354839	0.44047619	trans-acting-o
rs10419687	UNC13A	19	17789409	1	0.48913043	trans-acting-o
rs10879509	NA	12	73242131	1	0.47826087	trans-acting-o
rs259659	NA	1	238462092	0.983871	0.32222222	trans-acting-o

rs12452241	DNAH9	17	11773105	0.8709677	0.42105263	trans-acting-o
rs1990896	TRIM36	5	114469023	0.9677419	0.43181818	trans-acting-o
rs2620870	NA	12	61386860	1	0.45652174	trans-acting-o
rs8025412	NA	15	75444033	1	0.34782609	trans-acting-o
rs8025412	NA	15	75444033	1	0.34782609	trans-acting-o
rs7316770	NA	12	132080106	0.983871	0.46666667	trans-acting-o
rs2423456	PAK7	20	9720742	0.983871	0.26086957	trans-acting-o
rs1924105	NA	13	100546789	0.983871	0.05555556	trans-acting-o
rs1603867	NA	3	6279106	0.983871	0.48888889	trans-acting-o
rs7161203	SNX6	14	35087218	0.9193549	0.3452381	trans-acting-o
rs10041466	NA	5	13609488	0.9516129	0.38636364	trans-acting-o
rs9352125	NA	6	75169264	1	0.09782609	trans-acting-o
rs8034073	CHP	15	41545613	0.9677419	0.36363636	trans-acting-o
rs8034073	CHP	15	41545613	0.9677419	0.36363636	trans-acting-o
rs3848831	PLCB1	20	8851321	1	0.34782609	trans-acting-o
rs4747842	NA	10	9964251	0.983871	0.11111111	trans-acting
rs641077	GALK2	15	49492358	1	0.27173913	trans-acting-o
rs2520495	NA	4	149933356	1	0.27173913	trans-acting-o
rs13182265	NA	5	74269724	0.983871	0.12222222	trans-acting-o
rs6872827	NA	5	30196816	0.983871	0.18888889	trans-acting-o
rs2813615	GPC6	13	94037844	0.9677419	0.10227273	trans-acting-o
rs7816561	NA	8	17673299	0.9677419	0.10227273	trans-acting-o
rs731160	CACNA2D1	7	82059917	0.983871	0.38888889	trans-acting-o
rs4987314	SELL	1	169672343	1	0.08695652	trans-acting-o
rs11971009	NA	7	4695808	1	0.17391304	trans-acting-o
rs289516	DLC1	8	13238345	0.9193549	0.37804878	trans-acting-o
rs7723981	NA	5	40404912	1	0.07608696	trans-acting-o
rs3739153	OLA1	2	174937278	0.9193549	0.42857143	trans-acting-o
rs406253	MTUS1	8	17571448	0.9354839	0.0952381	trans-acting-o
rs13410482	NA	2	182166244	0.9677419	0.34090909	trans-acting-o
rs1465518	DAPP1	4	100753527	0.983871	0.43333333	trans-acting-o
rs4666586	PDE1A	2	183354876	0.9677419	0.23863636	trans-acting-o
rs10893695	NA	11	127350959	0.983871	0.37777778	trans-acting
rs6546647	NA	2	71101426	0.983871	0.18888889	trans-acting-o
rs7614585	GLB1	3	33078170	1	0.09782609	trans-acting-o
rs902743	DPP6	7	154248268	0.983871	0.36666667	trans-acting-o
rs36057	EPHB1	3	134736671	0.983871	0.4673913	trans-acting
rs6127983	BMP7	20	55824475	1	0.29347826	trans-acting-o
rs2000577	NA	11	134683861	1	0.13043478	trans-acting-o
rs7082705	C10orf58	10	82170856	0.983871	0.34444444	trans-acting-o
rs9555357	FAM155A	13	108055161	0.983871	0.15555556	trans-acting-o
rs2290020	TACR2	10	71174989	1	0.40217391	trans-acting-o
rs288715	NA	13	107451642	1	0.32608696	trans-acting-o
rs300516	NAV3	12	78577755	0.9677419	0.47727273	trans-acting-o
rs228019	ASTN1	1	176984208	0.983871	0.47777778	trans-acting-o
rs1043657	AKR7A2	1	19635011	1	0.07608696	trans-acting-o
rs6996766	XKR4	8	56192779	1	0.43478261	trans-acting
rs10431614	SNX6	14	35084814	0.9193549	0.4047619	trans-acting-o
rs7256209	NA	19	32492731	0.983871	0.48888889	trans-acting-o
rs10492031	TMEM132B	12	126035218	0.9677419	0.34090909	trans-acting-o

rs6547286	CTNNA2	2	80092547	1	0.27173913	trans-acting
rs206184	NA	7	20357385	0.9677419	0.25	trans-acting-o
rs1679256	NA	3	22049529	0.983871	0.35555556	trans-acting-o
rs5756219	FOXRED2	22	36891858	0.983871	0.44444444	trans-acting-o
rs374995	NA	20	5053808	0.9677419	0.42045455	trans-acting-o
rs6442211	SLC6A11	3	10911151	0.9354839	0.4047619	trans-acting-o
rs4771503	NA	13	106433709	0.9677419	0.33333333	trans-acting-o
rs6723008	NA	2	235079857	0.983871	0.41111111	trans-acting-o
rs2603119	KIAA1524	3	108305302	0.983871	0.35555556	trans-acting-o
rs7134402	GPRC5D	12	13097327	1	0.09782609	trans-acting-o
rs10181296	NA	2	127576875	0.983871	0.3	trans-acting
rs2831023	NA	21	28957233	0.9516129	0.39534884	trans-acting-o
rs17455703	NPAS3	14	33489372	0.983871	0.25555556	trans-acting-o
rs3890745	MMEL1	1	2553624	1	0.2826087	trans-acting-o
rs4388475	NA	8	2619281	0.9354839	0.19767442	trans-acting-o
rs2736012	NA	8	15702272	0.8709677	0.40789474	trans-acting-o
rs7350384	NA	10	60614717	0.9516129	0.46511628	trans-acting-o
rs4242778	tAKR	10	4918857	0.9193549	0.32142857	trans-acting-o
rs1523439	NA	3	63329842	0.983871	0.48888889	trans-acting-o
rs4555971	NA	6	8870738	0.983871	0.48888889	trans-acting-o
rs17666990	NA	2	148261932	0.983871	0.33333333	trans-acting-o
rs848374	NA	7	108534194	0.983871	0.13333333	trans-acting-o
rs1576949	NA	9	105474758	0.9677419	0.22727273	trans-acting-o
rs16964200	NA	13	104789415	1	0.05434783	trans-acting-o
rs16964200	NA	13	104789415	1	0.05434783	trans-acting-o
rs1790613	FECH	18	55227111	0.983871	0.4	trans-acting-o
rs7249536	ZNF229	19	44938980	0.9516129	0.46511628	trans-acting-o
rs7916322	NA	10	64612824	0.983871	0.08888889	trans-acting-o
rs2032943	NA	7	134314404	0.9677419	0.09090909	trans-acting-o
rs1914543	NA	10	125661410	1	0.23913043	trans-acting-o
rs1285260	NA	17	77863316	0.9516129	0.36046512	trans-acting-o
rs10788711	NA	10	48550794	0.9677419	0.32954545	trans-acting-o
rs16964200	NA	13	104789415	1	0.05434783	trans-acting-o
rs1502201	GFRAL	6	55265497	1	0.29347826	trans-acting-o
rs12929415	WVOX	16	79036736	0.9677419	0.25555556	trans-acting-o
rs87097	QRICH2	17	74269039	0.983871	0.44444444	trans-acting-o
rs415573	NA	21	41234519	0.9677419	0.32954545	trans-acting-o
rs953318	NA	2	206828211	0.9677419	0.45454545	trans-acting-o
rs71815	QRICH2	17	74270069	1	0.44565217	trans-acting-o
rs777917	NA	3	104404772	0.983871	0.36666667	trans-acting-o
rs4394435	BAI1	8	143615524	0.9193549	0.19512195	trans-acting-o
rs7104683	RBMXL2	11	7108813	0.9516129	0.37209302	trans-acting-o
rs988071	NA	3	3560143	0.9516129	0.46511628	trans-acting
rs1904317	GALK2	15	49562266	0.983871	0.27777778	trans-acting-o
rs12688479	NA	X	84815967	1	0.17391304	trans-acting
rs7444733	NA	5	59550506	0.983871	0.4	trans-acting-o
rs4745106	NA	9	74248170	0.9193549	0.23809524	trans-acting-o
rs3765066	SCAMP2	15	75140854	0.983871	0.44444444	trans-acting-o
rs8138938	NA	22	33431164	0.983871	0.41111111	trans-acting-o
rs13169397	NA	5	120363673	1	0.19565217	trans-acting-o

rs10420138	PPP2R1A	19	52704961	0.983871	0.41111111	trans-acting-o
rs4802517	NA	19	49382171	0.9677419	0.5	trans-acting
rs4926252	CACNA1A	19	13384131	0.983871	0.34444444	trans-acting-o
rs7982711	NA	13	105927971	0.983871	0.28888889	trans-acting-o
rs488943	NA	11	123092449	0.983871	0.11111111	trans-acting-o
rs8097619	NEDD4L	18	55720220	0.983871	0.07777778	trans-acting-o
rs11097670	NA	4	78016353	0.9193549	0.36585366	trans-acting-o
rs753779	SLC45A4	8	142228809	0.983871	0.47777778	trans-acting-o
rs1206988	OFCC1	6	10024807	0.9677419	0.22727273	trans-acting-o
rs1167768	GABBR2	9	101331392	0.9193549	0.28571429	trans-acting-o
rs10495739	NA	2	23416554	0.9677419	0.35555556	trans-acting-o
rs9945664	CDH2	18	25533472	0.983871	0.08888889	trans-acting-o
rs1730922	NA	7	22093379	1	0.47826087	trans-acting-o
rs11625706	POLE2	14	50145057	0.983871	0.1	trans-acting-o
rs2276129	TMPRSS4	11	117973673	0.9354839	0.45238095	trans-acting-o
rs17039895	NA	4	161556489	0.9677419	0.17045455	trans-acting-o
rs1532857	NA	4	188479688	0.9516129	0.375	trans-acting-o
rs7151516	NA	14	82168185	0.983871	0.21111111	trans-acting-o
rs10761233	FAM120A	9	96292166	0.9354839	0.3372093	trans-acting-o
rs11167821	NA	5	142974644	1	0.26086957	trans-acting-o
rs2540904	SLC8A1	2	40447587	0.9677419	0.35555556	trans-acting-o
rs17796723	NA	14	85747008	0.9516129	0.44186047	trans-acting-o
rs10500306	KLK13	19	51567990	0.9677419	0.39772727	trans-acting-o
rs388415	MICAL3	22	18294211	0.983871	0.36666667	trans-acting-o
rs1914542	NA	10	125661331	0.8870968	0.23333333	trans-acting-o
rs435766	NA	6	29939852	0.9516129	0.5	trans-acting-o
rs11634086	SCG5	15	32965630	1	0.47826087	trans-acting-o
rs8192558	NEUROG1	5	134871440	0.9032258	0.10714286	trans-acting-o
rs9290008	NA	3	157639491	0.983871	0.42222222	trans-acting-o
rs7321197	MYO16	13	109277524	0.983871	0.12222222	trans-acting-o
rs2053338	NA	7	63495571	1	0.33695652	trans-acting-o
rs2691239	NA	19	51551812	0.983871	0.44444444	trans-acting-o
rs10744228	NA	12	126245152	0.9516129	0.39772727	trans-acting-o
rs2334242	NA	16	88610744	0.9354839	0.42857143	trans-acting-o
rs12479522	NA	20	9836779	0.9677419	0.27777778	trans-acting-o
rs12471688	SH3BP4	2	235932581	0.983871	0.11111111	trans-acting-o
rs4682938	NA	3	44198777	0.983871	0.38888889	trans-acting-o
rs7816561	NA	8	17673299	0.9677419	0.10227273	trans-acting-o
rs11923266	NA	3	7860223	1	0.13043478	trans-acting-o
rs9316742	NA	13	22646474	0.9516129	0.43023256	trans-acting-o
rs12640779	NA	4	117649361	1	0.11956522	trans-acting-o
rs11200334	TACC2	10	123776895	0.9677419	0.33333333	trans-acting-o
rs8072096	WSCD1	17	6000648	0.9516129	0.5	trans-acting-o
rs527421	NCALD	8	103132854	0.983871	0.36956522	trans-acting-o
rs1366444	PLA2G4C	19	48563534	1	0.35869565	trans-acting-o
rs10797440	MMEL1	1	2541269	0.983871	0.27777778	trans-acting-o
rs1096232	RPS6KA6	X	83744690	0.9516129	0.34883721	trans-acting-o
rs7411273	SLC25A33	1	9607041	0.983871	0.14444444	trans-acting-o
rs1567092	CADPS	3	62604010	0.983871	0.47777778	trans-acting-o
rs35579818	LRRC56	11	545087	0.9032258	0.42682927	trans-acting-o

rs11655511	BCAS3	17	59287269	0.983871	0.25	trans-acting-o
rs71815	QRICH2	17	74270069	1	0.44565217	trans-acting-o
rs4500107	NA	8	135278536	0.983871	0.46666667	trans-acting-o
rs11665682	KLK13	19	51567310	0.9677419	0.38636364	trans-acting-o
rs17275526	NEK11	3	131047910	1	0.10869565	trans-acting-o
rs4698494	LDB2	4	16578179	1	0.10869565	trans-acting-o
rs10032205	NA	4	181572734	0.9516129	0.48863636	trans-acting-o
rs8108198	NA	19	56146469	0.983871	0.18888889	trans-acting-o
rs10777708	NA	12	95972980	0.983871	0.48888889	trans-acting-o
rs2736433	KLK13	19	51566943	0.983871	0.38888889	trans-acting
rs17651988	NA	17	49210885	0.9516129	0.5	trans-acting-o
rs11590409	NA	1	156367438	0.9516129	0.30232558	trans-acting-o
rs12888004	NA	14	38974376	0.9516129	0.27272727	trans-acting-o
rs7986958	NA	13	70934616	0.9193549	0.46341463	trans-acting-o
rs13252535	NA	8	39192481	0.8709677	0.4875	trans-acting-o
rs2074110	NA	X	12943999	0.983871	0.30434783	trans-acting-o
rs11085895	DNAJB1	19	14629550	0.9516129	0.43023256	trans-acting-o
rs10254774	NA	7	144804245	0.9354839	0.48809524	trans-acting-o
rs4780050	FMN1	15	33151160	1	0.10869565	trans-acting-o
rs6973933	NA	7	13253069	0.983871	0.43333333	trans-acting-o
rs10251582	NA	7	109677042	0.983871	0.08888889	trans-acting-o
rs930895	KCNQ3	8	133366787	1	0.22826087	trans-acting-o
rs2330222	NA	7	52884823	0.983871	0.27777778	trans-acting-o
rs7950661	NA	11	78704703	0.983871	0.27777778	trans-acting-o
rs13252567	NRG1	8	31757977	0.983871	0.05555556	trans-acting-o
rs7378850	NA	5	93691454	0.9354839	0.39534884	trans-acting-o
rs17406084	NA	2	77226406	0.983871	0.17777778	trans-acting-o
rs11650313	HRNBP3	17	77367698	0.983871	0.22222222	trans-acting-o
rs7861441	NA	9	77905427	1	0.06521739	trans-acting-o
rs12987773	NA	2	35885786	1	0.30434783	trans-acting-o
rs1707302	LOC10013312	1	46600917	0.983871	0.32222222	trans-acting-o
rs10224368	C7orf50	7	1081972	0.983871	0.43333333	trans-acting-o
rs8031935	NA	15	54211300	1	0.31521739	trans-acting-o
rs11625706	POLE2	14	50145057	0.983871	0.1	trans-acting-o
rs11625706	POLE2	14	50145057	0.983871	0.1	trans-acting-o
rs7827167	TUSC3	8	15598698	0.8548387	0.46052632	trans-acting-o
rs352765	NA	8	15643760	0.9032258	0.48780488	trans-acting-o
rs12467803	NA	2	124531563	0.9677419	0.35555556	trans-acting-o
rs2965587	NA	7	52893743	1	0.27173913	trans-acting-o
rs873513	NA	19	17148156	1	0.07608696	trans-acting
rs48314	NA	2	60566266	0.983871	0.27777778	trans-acting-o
rs549774	RAB27A	15	55535020	0.983871	0.42222222	trans-acting-o
rs866662	SERAC1	6	158545673	0.9677419	0.14772727	trans-acting-o
rs2850611	NA	4	101904205	0.983871	0.14444444	trans-acting-o
rs3130991	CDSN	6	31087354	0.9516129	0.36046512	trans-acting-o
rs12890245	LOC10012820	14	88648382	0.9516129	0.36363636	trans-acting-o
rs1328430	NA	9	82646539	0.9354839	0.45348837	trans-acting-o
rs7101624	OPCML	11	132850055	0.9677419	0.44318182	trans-acting-o
rs10012310	SLC10A7	4	147389169	0.9677419	0.34090909	trans-acting-o
rs2958839	NA	11	41393718	0.8870968	0.475	trans-acting

rs6493629	KLF13		15	31667796	0.983871	0.44444444	trans-acting-o
rs1807798	LMX1A		1	165250429	0.9193549	0.46341463	trans-acting-o
rs7170149	LRRK1		15	101531832	0.983871	0.47777778	trans-acting-o
rs820940	NA		7	109302398	0.9677419	0.39772727	trans-acting
rs10892470	NA		11	119678986	0.9354839	0.42857143	trans-acting-o
rs6543374	UXS1		2	106729992		1 0.36956522	trans-acting-o
rs1879829	NR3C2		4	149035449	0.983871	0.45555556	trans-acting-o
rs3809643	PRDM7		16	90124273	0.9677419	0.09090909	trans-acting-o
rs11116440	NA		12	84923506	0.983871	0.11111111	trans-acting-o
rs4461172	NA		18	68845292	0.9677419	0.20454545	trans-acting-o
rs4715420	NA		6	53623730	0.983871	0.07777778	trans-acting-o
rs11670677	NA		19	53948386	0.983871	0.43478261	trans-acting-o
rs4934297	FAM35A		10	88868824	0.9516129	0.40697674	trans-acting-o
rs161773	NA		5	104086307	0.9354839	0.35714286	trans-acting-o
rs2070435	DIP2A		21	47961711		1 0.34782609	trans-acting-o
rs7096973	FRMD4A		10	13900071	0.9354839	0.45238095	trans-acting-o
rs4773	MAN2A2		15	91463842	0.983871	0.36666667	trans-acting-o
rs2831023	NA		21	28957233	0.9516129	0.39534884	trans-acting-o
rs6617245	NA	X		85731635	0.8064516	0.40789474	trans-acting-o
rs10879945	NA		12	76021824		1 0.45652174	trans-acting-o
rs4931016	FGD4		12	32690746		1 0.42391304	trans-acting-o
rs990060	NA		6	89074336	0.9677419	0.43181818	trans-acting-o

on							
Coef (eQTL)	p-value	probeset	Gene2	Chr2	start	end	
-0.47315239	3.51E-08	7919856	CERS2		1	150937650	150947440
-0.28560968	2.01E-07	8173007	MIRLET7F2	X		53584153	53584235
0.44635301	3.13E-05	8021222	ELAC1		18	48494387	48514489
0.58157457	2.16E-06	7899407	SMPDL3B		1	28261504	28282990
-0.28029128	4.94E-06	8176249	H2AFB1		23	154689081	154689596
0.17187471	7.73E-07	8071997	CRYBB2		22	25615612	25627836
1.57234306	2.44E-06	8041940	STON1-GTF2A		2	48796159	48906742
-0.27319849	1.97E-05	8176249	H2AFB1		23	154689081	154689596
-0.1930908	3.54E-05	7933723	IPMK		10	59955618	60027694
-0.19562044	7.47E-05	7981785	OR4N3P		15	22413462	22414393
0.4199371	1.74E-06	8066590	TNNC2		20	44451857	44455953
0.37383654	3.83E-06	7900609	ERMAP		1	43282776	43310660
0.107548	1.97E-07	8159734	CACNA1B		9	140772241	141019075
0.7076488	8.86E-05	7940904	VEGFB		11	64002266	64006258
0.41994602	1.19E-05	7946292	CYB5R2		11	7686327	7694821
0.42086957	1.67E-06	8082422	EEFSEC		3	127872313	128127488
0.38237336	7.29E-06	7936673	RGS10		10	121259340	121302222
0.5426143	6.62E-05	8072735	APOL1		22	36649117	36663576
0.28666695	2.95E-05	7951614	PPP2R1B		11	111608605	111637169
-0.44102649	7.49E-05	8132725	UPP1		7	48128355	48148329
-1.07548912	0.00010793	8050846	DTNB		2	25600114	25896503
0.32197301	8.07E-05	8045030	MYO7B		2	128293378	128395302
-0.28784105	2.13E-06	7992737	FLYWCH2		16	2933196	2949382
-1.44397962	1.23E-07	8179322	HSPA1A		6	31783291	31785717
-0.40285904	8.74E-06	8109057	SPINK9		5	147715122	147719412
0.22749598	9.30E-05	8062377	SRC		20	35973088	36033819
1.33027988	6.40E-07	7909661	RPS6KC1		1	213224588	213446807
0.11654728	5.06E-07	8006562	RASL10B		17	34058679	34070539
-0.2823012	1.46E-05	8143850	CDK5		7	150750903	150755052
-0.86923324	3.17E-06	8063156	CD40		20	44746906	44758384
-0.15628094	2.28E-05	7984562	RPLP1		15	69745159	69747884
0.70068693	3.91E-07	8091991	MECOM		3	168801287	169381563
-0.21331977	2.68E-05	7924686	C1orf55		1	226170404	226187066
1.56971161	9.19E-06	7953901	CLEC12A		12	10124008	10138192
0.89819533	1.21E-06	8064790	RASSF2		20	4760672	4795769
0.89819533	1.21E-06	8064790	RASSF2		20	4760672	4795769
-0.35203901	2.16E-05	7897210	DFFB		1	3773845	3801992
0.48011123	2.16E-05	8041826	TTC7A		2	47168313	47303274
0.28666695	2.95E-05	7951614	PPP2R1B		11	111608605	111637169
0.38695197	1.15E-06	8116548	DUSP22		6	292101	351353
0.56085321	4.73E-05	8032392	MKNK2		19	2037470	2051243
0.1149398	2.66E-06	8027719	SCN1B		19	35521592	35525174
0.14881068	1.57E-07	8066189	GHRH		20	35879492	35885299
-0.60271624	5.20E-06	8102532	PDE5A		4	120415552	120549981
0.18826546	5.30E-05	7955787	SP1		12	53773979	53810224
0.60662725	7.26E-05	7937150	ADAM8		10	135075921	135090407
-0.31321338	3.27E-06	8099410	BOD1L		4	13570366	13629328

0.16002278	1.38E-06	8036981 CYP2A7	19	41381345	41388657
-0.59150554	2.60E-05	7923917 FAIM3	1	207076633	207096592
0.42791668	5.07E-05	8075897 C1QTNF6	22	37576206	37584330
-0.26982231	6.85E-05	8071997 CRYBB2	22	25615612	25627836
-1.12159008	1.33E-06	8063437 TSHZ2	20	51588946	52111868
0.19014519	1.62E-06	8034021 CDC37	19	10501809	10514271
0.82417196	5.72E-06	8038532 IZUMO2	19	50655805	50666538
0.66871686	2.48E-05	8021047 SETBP1	18	42260138	42457378
0.2458192	1.64E-05	8026488 OR10H5	19	15904859	15905805
0.44803011	6.22E-05	7932911 KIF5B	10	32297940	32345371
0.30191785	9.26E-05	8067862 NF1	17	29421945	29549782
0.55591529	6.30E-05	8021442 ZNF532	18	56530061	56653703
0.17123689	2.57E-05	8136709 LOC93432	7	141811549	141843775
0.28930592	6.85E-06	7900944 CCDC24	1	44457280	44462196
1.18543068	3.29E-05	7909661 RPS6KC1	1	213224588	213446807
0.22652661	2.31E-05	7962085 IPO8	12	30781917	30848929
0.14283649	5.65E-07	8032478 LINGO3	19	2289774	2308156
4.30332346	6.49E-07	7902702 CLCA2	1	86889769	86922238
1.08169132	3.21E-05	8091954 GOLIM4	3	167727654	167813417
-0.15599427	8.23E-05	7936023 C10orf95	10	104209594	104211300
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.47554784	6.96E-06	8089759 TMEM39A	3	119149701	119182471
0.10870533	1.95E-05	8166613 MAGEB3	23	30248553	30255609
-0.23585759	4.28E-07	7903457 PRMT6	1	107599267	107601907
0.57046322	6.47E-05	7962000 PTHLH	12	28115255	28124916
0.43746173	5.07E-05	7932911 KIF5B	10	32297940	32345371
-0.19793462	6.82E-05	7924686 C1orf55	1	226170404	226187066
0.13380952	2.01E-06	7944882 ROBO3	11	124735305	124751370
-0.39939623	1.45E-05	8014008 BLMH	17	28575223	28619074
-0.21544521	1.96E-05	7942717 MYO7A	11	76839310	76896036
0.61333996	2.34E-06	8139632 FIGNL1	7	50511834	50518088
0.32197301	8.07E-05	8045030 MYO7B	2	128293378	128395302
-0.23434666	6.41E-05	8123274 MAP3K4	6	161412822	161538416
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
-0.22105848	5.01E-06	8003344 SNAI3	16	88744091	88752882
0.26123486	2.27E-05	7912956 RCC2	1	17733252	17766220
-1.14466337	4.74E-05	7951554 RDX	11	110100168	110167437
0.48128158	3.52E-06	7965846 CCDC53	12	102406718	102455899
-0.91084396	6.32E-05	7981142 CLMN	14	95648276	95786245
0.61571471	1.50E-05	8095043 RASL11B	4	53728495	53732995
0.34706993	7.05E-06	8102532 PDE5A	4	120415552	120549981
0.59388576	4.75E-05	7932407 ST8SIA6	10	17362677	17496254
0.26461641	6.72E-05	7919856 CERS2	1	150937650	150947440
-0.67308196	1.29E-05	7972217 SPRY2	13	80910114	80915086
1.34134957	1.84E-06	7915590 RNU5F-1	1	45187458	45187574
-0.84279957	6.93E-05	7897449 SPSB1	1	9352941	9429588
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
0.30384025	4.05E-06	8131013 SUN1	7	855194	883509
0.41777506	2.24E-05	8138728 HOXA4	7	27168127	27170399
0.42052551	4.91E-06	8178205 HLA-DQA2	6	32709163	32714664



0.09516449	1.80E-05	7936923 ALDOAP2	10	127355444	127356519
-0.15465513	8.68E-05	8038571 JOSD2	19	51009259	51014345
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.75336561	3.17E-07	8005765 WSB1	17	25621106	25640645
1.61680845	1.59E-05	7990683 ACSBG1	15	78463189	78526899
0.42742148	5.06E-06	8002020 TPPP3	16	67423714	67427421
-0.520269	1.40E-06	7898263 FBLIM1	1	16085255	16113084
-0.7829604	5.34E-06	8014008 BLMH	17	28575223	28619074
-0.15577392	5.31E-07	8000507 EIF3C	16	28390905	28415165
-0.15577392	5.31E-07	8000507 EIF3C	16	28390905	28415165
1.18678256	1.10E-05	7935169 CYP2C8	10	96796530	96829254
0.26461641	6.72E-05	7919856 CERS2	1	150937650	150947440
0.25564183	8.74E-05	8061368 NXT1	20	23331373	23335408
-0.24834728	1.26E-05	8115022 CSNK1A1	5	148874845	148931007
-0.15187383	5.71E-06	8060061 MGC16025	2	240115027	240117153
0.24987104	2.02E-05	8128894 REV3L	6	111620235	111804414
0.33410792	2.78E-05	7924558 NVL	1	224415037	224517872
-0.30107347	4.72E-05	7908758 SHISA4	1	201857797	201861715
0.63428579	5.66E-06	8125461 HLA-DQB1	6	32627657	32634466
-0.33778568	4.00E-05	7961365 MANSC1	12	12482218	12503169
0.85435643	1.47E-05	7990683 ACSBG1	15	78463189	78526899
0.28666695	2.95E-05	7951614 PPP2R1B	11	111608605	111637169
0.8925489	4.26E-06	8116559 IRF4	6	391752	411442
0.34718238	3.81E-06	7898357 MST1P2	1	16972069	16976914
-0.22730133	6.84E-05	8003991 MINK1	17	4736635	4801355
-0.21722735	5.23E-05	7924686 C1orf55	1	226170404	226187066
-0.25153453	6.09E-06	7951497 NPAT	11	108028121	108093365
-0.4615115	6.28E-06	8180267 EPPK1	8	144939912	144947434
0.98413488	1.97E-06	7902317 TNNI3K	1	74663947	75010108
0.2767703	3.89E-05	8137865 GNA12	7	2767743	2883959
0.61665033	7.02E-05	8088895 FAM86DP	3	75470705	75484266
-0.24987295	2.55E-05	7934733 ANXA11	10	81914880	81965328
1.60019453	3.46E-05	7948982 HRASLS2	11	63320242	63330855
0.39551155	1.17E-05	8093906 WFS1	4	6271577	6304991
0.25098498	5.58E-05	8019494 C17orf101	17	80347087	80376513
-0.44941552	0.00010172	8124574 ZSCAN12	6	28356729	28367544
0.24244278	5.05E-05	8019494 C17orf101	17	80347087	80376513
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409
-0.11247392	1.56E-05	8027074 UPF1	19	18942744	18979038
-0.15474587	3.84E-05	7939068 RPS25	11	118886422	118889057
-0.6126922	1.12E-05	7929032 FAS	10	90750288	90775541
0.76202227	7.83E-05	8106025 BDP1	5	70751442	70863649
0.7947128	1.11E-05	7961142 OLR1	12	10310899	10324790
0.51990279	4.30E-06	7984112 RAB8B	15	63481728	63559971
-0.13084587	3.09E-06	8148799 FAM203A	8	145192672	145195619
-0.13636533	3.17E-05	7899167 LIN28A	1	26737269	26756218
0.12171945	2.84E-05	8167152 ZNF157		47229999	47273098
0.73138728	6.45E-05	7952392 OR8D1	11	124179737	124180662
-2.79797847	6.17E-06	8098246 ANXA10	4	169013707	169108891
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409

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-0.52452248	2.73E-05	8042917 DOK1	2	74781860	74784662
-0.55271455	3.91E-06	7971820 VPS36	13	52986739	53024763
0.11924619	1.52E-05	8110074 HMP19	5	173472724	173536181
1.28678011	8.55E-05	8008969 TBX2	17	59477257	59486825
0.29720733	1.19E-05	8019494 C17orf101	17	80347087	80376513
0.11944841	0.0001074	8027169 GATAD2A	19	19496642	19619740
-0.14023465	4.70E-05	8065555 DEFB119	20	29976771	29978406
-0.49138112	2.32E-06	8145636 HMBBOX1	8	28747911	28910240
-0.15692575	4.88E-05	7914847 C1orf216	1	36179477	36184790
-0.73439025	8.42E-05	8081386 NFKBIZ	3	101546834	101579868
0.21769063	2.99E-05	7920633 DPM3	1	155112369	155112996
0.67139376	8.20E-05	8020806 RNF125	18	29598445	29653154
0.142656	3.89E-05	8026106 CALR	19	13049414	13055304
-0.20679826	1.09E-05	8128894 REV3L	6	111620235	111804414
-0.19225952	8.27E-05	7942717 MYO7A	11	76839310	76896036
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409
-0.20862286	0.00011208	8141423 MIR106B	7	99691616	99691697
0.64871042	6.11E-05	7906386 PYHIN1	1	158901342	158946841
-0.36633455	1.46E-05	7917255 SSX2IP	1	85109390	85156240
0.1153304	2.57E-06	7937200 CALY	10	135138928	135150475
0.16113051	4.86E-05	7961182 KLRC2	12	10583206	10588592
0.1256935	5.29E-05	7959220 ACADS	12	121163571	121177810
-0.48586458	1.42E-05	8099760 ARAP2	4	36067622	36245979
-0.79113138	1.18E-05	7936529 KIAA1598	10	118644308	118765088
0.32523532	5.71E-05	8021047 SETBP1	18	42260138	42457378
-0.55810074	3.22E-05	8022106 LINC00526	18	5236724	5238028
-0.83575831	1.03E-05	8098611 TLR3	4	186990309	187006250
-0.17842464	9.26E-05	7937407 RASSF7	11	560971	564024
-0.21105672	6.73E-05	7963575 EIF4B	12	53400062	53435992
-0.65099612	5.35E-06	7936064 NT5C2	10	104845940	104953056
0.65504046	5.17E-05	7910950 KMO	1	241695680	241758943
0.19335068	4.34E-05	8148941 ZNF7	8	146052903	146068605
0.49091062	7.53E-05	7932227 NMT2	10	15147771	15210695
0.12126053	5.49E-06	8031908 ZSCAN22	19	58838385	58853712
0.10889226	9.55E-05	8027049 KLHL26	19	18747838	18781302
-0.54442234	4.37E-05	8025004 CAPS	19	5914193	5916221
-0.44510792	1.03E-05	8040211 KLF11	2	10183682	10194963
0.26235618	1.49E-05	7985695 AKAP13	15	85923871	86292586
-0.10091654	3.03E-05	7973510 CPNE6	14	24540756	24547295
1.08219405	9.90E-06	8027402 CCNE1	19	30302901	30315218
-0.11678956	7.22E-05	8111998 HCN1	5	45259353	45696220
-0.11588367	1.06E-05	8137979 ACTB	7	5566783	5570232
-0.14118665	3.84E-05	8094156 DRD5	4	9783258	9785632
-0.33946607	5.86E-05	8093906 WFS1	4	6271577	6304991
-0.20359694	1.79E-05	7918716 SYT6	1	114631915	114696472
-0.1694976	2.57E-05	7902822 PKN2	1	89149922	89301937
-0.28101017	1.63E-05	8089029 DHFRL1	3	93776770	93781660
1.53378804	2.56E-05	7909164 CTSE	1	206317459	206332103
1.86144057	9.08E-06	7990683 ACSBG1	15	78463189	78526899
1.29569251	2.25E-06	8075956 LGALS2	22	37966254	37976024

0.84808303	2.32E-05	8136811 EPHB6	7	142552792	142568845
0.16646034	1.35E-05	7912224 SLC2A5	1	9101428	9129887
-0.36097065	7.83E-06	7985001 NEIL1	15	75639331	75647586
-0.39205323	1.43E-05	8028851 SHKBP1	19	41082757	41097304
0.18298239	1.01E-05	8136961 OR2F2	7	143632326	143633278
1.75480241	2.35E-06	8037053 CEACAM7	19	42177235	42192096
0.37967918	4.76E-06	8147112 CA13	8	86157716	86196302
-0.36633455	1.91E-05	7917255 SSX2IP	1	85109390	85156240
0.32946041	7.02E-05	7910164 ADCK3	1	227127938	227175246
-0.21503497	3.81E-06	7956743 RPL14	3	40498801	40503858
-0.19161665	8.55E-06	7991173 KLHL25	15	86302561	86338189
-0.27886584	6.25E-05	8013919 ABHD15	17	27887691	27894042
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
-0.18056098	6.34E-05	7927288 FAM35B2	10	47379720	47421236
3.01242284	2.74E-06	8062927 PI3	20	43803540	43805184
-0.5220084	4.71E-06	7935270 BLNK	10	97951463	98031333
0.43746173	5.07E-05	7932911 KIF5B	10	32297940	32345371
-0.54173458	5.82E-06	7971820 VPS36	13	52986739	53024763
0.97168533	3.72E-06	8117422 HIST1H4F	6	26240654	26241021
1.09741584	1.32E-06	8038899 FPR1	19	52249027	52255150
0.52663582	4.23E-06	7947991 NUP160	11	47799671	47870057
-0.48054847	2.12E-05	7975772 ZC2HC1C	14	75536299	75544798
1.00667595	1.24E-06	8018731 RHBDF2	17	74466975	74497508
0.57526395	2.27E-05	8172043 SRPX	23	38008589	38080177
-0.98993233	2.03E-06	7945321 GLB1L2	11	134201768	134246217
-0.17811377	5.13E-06	7994804 MYLPF	16	30386123	30389310
0.66065833	7.38E-05	8169294 COL4A5	23	107683154	107940775
0.38237336	7.29E-06	7936673 RGS10	10	121259340	121302222
0.37330986	3.28E-05	7928126 KIAA1274	10	72238564	72328205
0.35310755	9.21E-05	7908097 SMG7	1	183441506	183523327
-0.71867476	1.64E-05	8145691 UBXN8	8	30601690	30624518
0.46741739	1.55E-06	7974008 TTC6	14	38065052	38510647
0.2245032	7.91E-05	8108568 IK	5	140027384	140042064
0.1428567	9.69E-05	8038571 JOSD2	19	51009259	51014345
-0.30899713	5.21E-06	8172561 PRICKLE3	23	49031906	49042776
-0.15690478	7.08E-06	8120151 OPN5	6	47749775	47794114
2.02072885	1.59E-05	7930593 C10orf81	10	115511213	115542191
0.27338045	1.75E-05	8035694 PBX4	19	19672524	19729439
0.5930844	1.06E-05	7923772 LEMD1	1	205350513	205391181
0.41960132	5.65E-05	8089759 TMEM39A	3	119149701	119182471
0.97591172	6.53E-06	8072436 INPP5J	22	31518961	31530682
0.64380567	1.42E-05	8076704 SMC1B	22	45739947	45809500
0.3773914	9.65E-05	7918902 CD58	1	117061323	117113715
-1.18736728	2.96E-05	8027260 ZNF486	19	20278083	20308984
-0.40322564	0.00011292	8070665 SIK1	21	44834398	44847002
-0.26839025	1.32E-06	7905185 RPRD2	1	150336990	150449039
-0.55106861	3.87E-05	8124574 ZSCAN12	6	28356729	28367544
0.25536934	8.71E-06	7993453 MPV17L	16	15489611	15503543
0.86194446	9.83E-06	8093518 FGFR3	4	1795039	1810599
0.47946129	1.48E-05	7984019 TLN2	15	62939510	63136827

0.37967918	4.76E-06	8147112 CA13	8	86157716	86196302
-0.43205597	3.06E-05	8048257 PNKD	2	219135115	219137668
0.15512667	1.13E-05	8097038 NDST3	4	118955500	119179786
0.39967148	2.00E-05	8093906 WFS1	4	6271577	6304991
-0.24987295	2.55E-05	7934733 ANXA11	10	81914880	81965328
-0.09394622	1.75E-05	8050548 LAPTM4A	2	20232412	20251789
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
-0.1038238	5.89E-05	7988177 STRC	15	43891762	43910998
0.22742028	9.92E-05	8108568 IK	5	140027384	140042064
0.7255818	3.75E-05	7906786 FCRLA	1	161676762	161684141
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
0.4064143	3.46E-05	7898483 ARHGEF10L	1	17866330	18024369
-0.21832976	4.14E-05	7942717 MYO7A	11	76839310	76896036
-0.44835447	6.65E-05	8170468 HMGB3	23	150151763	150159246
-0.1341388	5.86E-06	7965589 CCDC38	12	96260827	96336428
0.76082531	2.77E-05	8123246 SLC22A3	6	160769425	160876013
0.17867283	0.00011175	8107646 PRDM6	5	122424841	122523744
0.23878755	1.74E-05	7922104 GCSH	16	81115552	81129980
0.39266701	3.41E-05	7932243 FAM171A1	10	15253647	15413058
0.32884036	6.34E-06	7944838 OR8G5	11	124134723	124135762
0.32884036	6.34E-06	7944838 OR8G5	11	124134723	124135762
0.36411356	4.81E-05	7975851 IFT43	14	76452096	76550092
0.65332193	0.00011324	7937150 ADAM8	10	135075921	135090407
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.30495436	9.15E-05	7937150 ADAM8	10	135075921	135090407
-0.1513253	7.36E-05	8038571 JOSD2	19	51009259	51014345
0.84466481	1.35E-05	7906339 CD1A	1	158223927	158228056
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
-0.64096133	5.37E-06	8027363 ZNF726	19	24097684	24106516
0.22926576	8.77E-05	8013071 FLCN	17	17124486	17140502
0.3020897	8.77E-06	7920697 GBA	1	155204240	155214653
1.00204595	8.71E-06	7962000 PTHLH	12	28115255	28124916
-0.67902889	5.98E-06	7972297 ABCC4	13	95748025	95953687
0.85724525	1.27E-05	8038532 IZUMO2	19	50655805	50666538
-0.39293423	6.07E-05	8121578 NT5DC1	6	116421999	116566852
0.94030734	2.48E-05	8029136 CD79A	19	42381190	42385438
0.2458192	1.64E-05	8026488 OR10H5	19	15904859	15905805
0.41159377	5.50E-05	8006298 RAB11FIP4	17	29718642	29865232
0.80351945	8.17E-05	8020806 RNF125	18	29598445	29653154
-0.33217408	4.44E-05	8164781 TSC1	9	135766735	135820020
0.08639344	2.20E-05	7936923 ALDOAP2	10	127355444	127356519
-0.27799286	0.00010506	8013919 ABHD15	17	27887691	27894042
-0.5511179	1.32E-05	7935270 BLNK	10	97951463	98031333
0.30548951	1.12E-05	8093936 MRFAP1	4	6642445	6644449
-0.11360896	4.01E-05	7984152 FBXL22	15	63889596	63894618
-0.15690478	7.08E-06	8120151 OPN5	6	47749775	47794114
0.26053327	3.10E-05	7912956 RCC2	1	17733252	17766220
0.36690132	5.56E-06	8007228 ATP6V0A1	17	40610862	40674596
-0.5422697	1.42E-06	7936041 ARL3	10	104433490	104474190
1.74559132	2.98E-05	7905571 S100A9	1	153330330	153333502

0.25857392	2.23E-05	7908692 RPS10P7	1	201489032	201489718
1.50666853	1.98E-05	7938951 ANO5	11	22214722	22304913
-0.25089797	4.48E-06	8132580 YKT6	7	44240578	44253892
0.11505917	6.64E-05	8110074 HMP19	5	173472724	173536181
-0.47968923	1.19E-05	8145454 BNIP3L	8	26240523	26270644
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
0.55591529	6.30E-05	8021442 ZNF532	18	56530061	56653703
0.48524963	1.93E-05	8024537 TLE6	19	2977536	2995182
5.01198334	8.64E-06	8045210 CYP4F30P	2	131437623	131443433
-1.12319976	9.48E-05	8060758 PRNP	20	4666797	4682233
-0.23899092	2.74E-05	8081582 PLCXD2	3	111393523	111565294
0.79672785	4.23E-05	8104788 RAI14	5	34656433	34832716
0.77078805	1.41E-05	7898623 UBXN10	1	20512578	20519941
0.40948912	1.84E-05	8093906 WFS1	4	6271577	6304991
0.68155299	8.62E-06	7974372 GPR137C	14	53019866	53104430
-0.46429922	5.44E-05	8130374 FBXO5	6	153291660	153304740
-0.46429922	5.44E-05	8130374 FBXO5	6	153291660	153304740
0.22742028	9.92E-05	8108568 IK	5	140027384	140042064
0.21068977	4.39E-05	7964555 AVIL	12	58191162	58209852
-0.13212264	4.20E-05	8007141 EIF1	17	39845127	39847897
0.24911971	2.91E-05	8013179 ATPAF2	17	17921334	17942480
-0.33107915	3.45E-05	7933999 RUFY2	10	70136951	70167051
0.74927806	8.00E-05	7904287 CD2	1	117297086	117311850
0.33410792	2.78E-05	7924558 NVL	1	224415037	224517872
0.57194952	1.59E-05	7932227 NMT2	10	15147771	15210695
0.31627815	9.17E-06	8141846 FBXL13	7	102453308	102715288
0.17033327	3.55E-05	8038571 JOSD2	19	51009259	51014345
-1.28019066	6.42E-05	8039706 ZNF256	19	58452203	58459077
0.35777822	2.13E-05	7900488 MIR30E	1	41220027	41220117
-1.00976035	0.00010263	8123951 ADTRP	6	11713890	11779280
0.15995695	3.82E-06	7987315 ACTC1	15	35080297	35087927
-0.37348563	3.51E-05	8024572 GNA15	19	3136191	3163766
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
-0.4068796	2.36E-05	8024572 GNA15	19	3136191	3163766
0.18838328	3.37E-05	7980051 C14orf43	14	74181826	74253896
0.30888867	3.34E-05	7927389 MAPK8	10	49609687	49643182
-0.15715563	1.01E-05	8120151 OPN5	6	47749775	47794114
-0.77758918	5.22E-05	8098611 TLR3	4	186990309	187006250
0.86875433	1.60E-05	8176286 PLCXD1	Y	192991	220020
0.78800659	9.45E-06	7967685 STX2	12	131274149	131323811
0.50890177	3.72E-05	7983940 FAM63B	15	59063393	59149732
0.6044451	8.67E-05	7974851 HIF1A	14	62162119	62214977
0.21342866	2.33E-05	7909225 DYRK3	1	206808881	206822541
0.88228018	2.14E-06	7918203 NBP4	1	108765963	108786703
-0.38910896	4.66E-05	7910950 KMO	1	241695680	241758943
0.32523308	3.86E-05	7951614 PPP2R1B	11	111608605	111637169
0.54022732	7.94E-05	7978586 CFL2	14	35179588	35184029
0.25630797	3.94E-06	8049998 TMEM18	2	667975	677439
-0.13382953	5.85E-05	8094156 DRD5	4	9783258	9785632

0.54022732	7.94E-05	7978586 CFL2	14	35179588	35184029
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.38039115	1.46E-05	7970892 N4BP2L1	13	32974861	33002315
-0.26268404	6.36E-05	8099410 BOD1L	4	13570366	13629328
-0.50396313	3.40E-05	8091991 MECOM	3	168801287	169381563
-0.47997985	8.77E-06	7973116 METTL17	14	21457965	21465192
-0.4737434	0.00010387	8122756 PLEKHG1	6	150920999	151164799
-0.32989283	1.16E-05	8016215 ARHGAP27	17	43471269	43503012
-0.15089328	0.00010467	7988400 SHF	15	45459414	45493373
0.32250501	6.29E-06	8110499 RUFY1	5	178977571	179037019
1.54452943	1.94E-06	8030094 FUT2	19	49199228	49209190
-0.13856664	3.93E-05	8094156 DRD5	4	9783258	9785632
0.25404451	2.35E-05	8089029 DHFRL1	3	93776770	93781660
0.23979985	9.54E-06	7916443 USP24	1	55532033	55681039
0.17420656	4.38E-06	8028311 SPINT2	19	38755098	38783253
0.36142949	9.66E-05	7942798 USP35	11	77899858	77925756
-1.28286418	6.70E-05	8117429 HIST1H2BI	6	26273204	26273639
-0.4407728	3.59E-05	8072817 CDC42EP1	22	37956471	37965408
0.94590698	0.00011212	7938951 ANO5	11	22214722	22304913
-0.19359538	9.98E-05	7921367 SPTA1	1	158580496	158656506
0.2140747	1.25E-05	7941565 KLC2	11	66024765	66035330
0.2259614	4.14E-05	8067506 C20orf151	20	60985293	61002629
0.11496094	1.06E-05	8111220 CDH18	5	19473157	19988353
0.34800017	0.00010327	8097066 METTL14	4	119606574	119632075
-0.87521724	5.35E-06	7986359 IGF1R	15	99192761	99507758
-0.13921268	0.00010106	8094156 DRD5	4	9783258	9785632
0.17427068	9.52E-05	8060963 SNAP25	20	10199477	10288065
0.28666695	2.95E-05	7951614 PPP2R1B	11	111608605	111637169
0.54901671	7.44E-05	8092177 NCEH1	3	172348436	172429008
0.19009545	8.73E-05	8082422 EEFSEC	3	127872313	128127488
0.46214309	7.59E-05	8002020 TPPP3	16	67423714	67427421
0.73647705	6.59E-06	7947375 CCDC73	11	32623627	32816187
-0.89099947	1.32E-05	7908488 CFHR1	1	196788861	196801316
1.1838827	2.99E-05	7923772 LEMD1	1	205350513	205391181
0.30548951	1.66E-05	8093936 MRFAP1	4	6642445	6644449
-0.43032507	5.52E-05	8008339 RSAD1	17	48556190	48563336
0.30548951	1.57E-05	8093936 MRFAP1	4	6642445	6644449
0.29879667	7.01E-06	8143684 PDIA4	7	148700154	148725782
0.19093581	1.95E-05	8098214 TLL1	4	166794410	167024993
0.55558997	7.96E-05	7978586 CFL2	14	35179588	35184029
1.51531662	2.59E-05	7953901 CLEC12A	12	10124008	10138192
0.16740957	2.79E-05	8029856 ARHGAP35	19	47421933	47508323
0.44304735	8.21E-06	8027247 ZNF93	19	20011722	20046382
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
1.44301312	6.42E-05	7948332 LPXN	11	58294346	58345639
1.03379943	4.85E-05	7934970 HTR7	10	92500578	92617671
0.33977678	6.74E-05	7924150 TMEM206	1	212537819	212588267
-0.58171772	1.39E-05	8099834 TLR1	4	38797878	38806412
-0.50427258	8.81E-05	8048940 SP100	2	231280871	231381240
0.55638495	6.10E-05	8124574 ZSCAN12	6	28356729	28367544

0.5744497	5.03E-05	7944751 C11orf63	11	122753473	122776583
0.44635301	3.13E-05	8021222 ELAC1	18	48494387	48514489
0.15043936	8.25E-06	7912224 SLC2A5	1	9101428	9129887
0.99184917	7.55E-05	8154381 LURAP1L	9	12775012	12823058
0.18829902	8.40E-06	8043055 DNAH6	2	84743579	85046711
-0.80227109	2.42E-05	8111892 OXCT1	5	41730168	41870791
2.02068678	4.04E-05	8045210 CYP4F30P	2	131437623	131443433
0.34718238	3.81E-06	7898357 MST1P2	1	16972069	16976914
0.52081066	4.53E-05	8135601 MET	7	116312459	116438439
0.32023544	1.22E-05	8141846 FBXL13	7	102453308	102715288
-0.41321546	3.51E-05	7937330 IFITM2	11	308107	309409
-0.26884691	3.41E-06	8132580 YKT6	7	44240578	44253892
0.20450132	5.49E-05	8157153 PALM2-AKAP2	9	112542577	112934789
-0.57833329	1.06E-05	8150103 GTF2E2	8	30436032	30515738
-0.39293423	8.89E-05	8121578 NT5DC1	6	116421999	116566852
0.38237336	7.29E-06	7936673 RGS10	10	121259340	121302222
1.10247321	3.28E-05	7923547 CHI3L1	1	203148059	203155922
0.18232273	7.30E-05	8060963 SNAP25	20	10199477	10288065
0.18626934	9.70E-05	7995206 TGFB1I1	16	31483476	31489281
-0.61219465	3.19E-05	7901229 FAAH	1	46859939	46879520
-0.68356726	9.83E-06	8033809 ZNF846	19	9868151	9879410
-1.3406921	2.67E-05	8098177 KLHL2	4	166128770	166244307
1.6695415	6.91E-06	7990683 ACSBG1	15	78463189	78526899
1.6695415	6.91E-06	7990683 ACSBG1	15	78463189	78526899
-0.86265503	1.07E-05	7939298 CAT	11	34460472	34493606
1.00912544	5.26E-06	8023646 BCL2	18	60985187	60986613
0.39455251	1.10E-05	8066590 TNNC2	20	44451857	44455953
0.91100489	3.20E-05	7902317 TNNT3K	1	74663947	75010108
0.4125338	3.62E-05	7984112 RAB8B	15	63481728	63559971
-0.53074614	4.94E-05	8050846 DTNB	2	25600114	25896503
-1.25640493	7.91E-05	8170027 DDX26B X		134654555	134716459
-0.12973104	8.82E-05	8094156 DRD5	4	9783258	9785632
-0.16719789	3.01E-05	8029856 ARHGAP35	19	47421933	47508323
-0.58710165	7.07E-05	8014241 SLFN12	17	33738083	33759543
-0.60353519	4.32E-05	8045688 TNFAIP6	2	152214105	152236559
-0.37841968	4.24E-05	8014008 BLMH	17	28575223	28619074
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
-0.34580225	4.99E-05	8014008 BLMH	17	28575223	28619074
-0.18200556	0.00011214	7988400 SHF	15	45459414	45493373
-0.18200556	0.00011214	7988400 SHF	15	45459414	45493373
-0.55810074	3.22E-05	8022106 LINC00526	18	5236724	5238028
0.25173206	1.69E-05	8040249 PDIA6	2	10923519	10952960
-0.96560291	3.75E-05	7908488 CFHR1	1	196788861	196801316
0.63209879	2.20E-05	8149399 LONRF1	8	12579406	12612992
0.18299893	7.69E-05	7937363 PKP3	11	394217	404907
0.12171945	2.84E-05	8167152 ZNF157 X		47229999	47273098
0.81048269	5.49E-05	8048864 CCL20	2	228678558	228682280
-0.09940504	4.55E-05	8001014 PRSS36	16	31150251	31161415
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.23134763	6.41E-05	8108568 IK	5	140027384	140042064

-0.85605645	7.88E-06	7936734 FGFR2	10	123241369	123357972
0.83002748	4.01E-05	7979033 SAV1	14	51100360	51135023
0.20482033	9.48E-05	8132439 C7orf10	7	40174575	40900365
0.55558997	7.96E-05	7978586 CFL2	14	35179588	35184029
0.58580793	9.65E-05	7896817 ISG15	1	948847	949915
-0.243083	2.31E-06	8101622 TECR	19	14640382	14676791
0.30167064	1.26E-05	8089759 TMEM39A	3	119149701	119182471
0.36187546	1.72E-05	7932041 UPF2	10	11962022	12085023
0.51770985	9.19E-05	8059580 DNER	2	230222346	230579286
0.42080744	4.22E-05	7901634 HEATR8	1	55107427	55175939
0.45048692	3.63E-05	7937823 KCNQ1	11	2466221	2870339
0.21342866	2.33E-05	7909225 DYRK3	1	206808881	206822541
-0.15954502	5.11E-05	7897210 DFFB	1	3773845	3801992
1.0057264	5.08E-05	8154381 LURAP1L	9	12775012	12823058
-1.32743412	1.22E-05	7920278 S100A3	1	153519809	153521734
1.81813488	6.52E-05	7901175 TSPAN1	1	46640749	46651633
-0.12603822	3.12E-05	8122136 RPS12	6	133135708	133138702
-0.74677859	2.05E-05	7996772 SLC7A6	16	68298423	68335722
0.23369991	7.82E-06	8067844 POTES	21	14982498	15013906
-0.32206699	2.14E-05	7897210 DFFB	1	3773845	3801992
-0.68721935	1.66E-05	8136979 CTAGE4	7	143963769	143966392
-1.08920265	8.74E-05	7980891 TC2N	14	92246269	92333880
0.41323611	1.50E-05	8092073 EIF5A2	3	170606205	170626426
-1.24000465	4.07E-05	7920278 S100A3	1	153519809	153521734
0.1101147	8.04E-05	7980535 DYNLL1	12	120907660	120936297
0.50999324	6.51E-05	8041826 TTC7A	2	47168313	47303274
0.23316695	0.00010903	7988852 BCL2L10	15	52401824	52404972
0.14269747	3.06E-05	8082940 ARMC8	3	137906148	137965728
-0.37426355	7.74E-06	7991374 IDH2	15	90627214	90645708
-0.96560291	3.75E-05	7908488 CFHR1	1	196788861	196801316
-0.96560291	3.75E-05	7908488 CFHR1	1	196788861	196801316
0.33410792	2.78E-05	7924558 NVL	1	224415037	224517872
0.22657515	4.45E-05	8137280 NOS3	7	150688144	150711686
0.09379515	7.67E-06	8085504 GRIP2	3	14530619	14583588
-0.60913489	2.93E-05	8051762 SLC8A1	2	40339287	40739575
1.48915343	4.10E-05	7953901 CLEC12A	12	10124008	10138192
-0.20952117	4.34E-05	8162719 HEMGN	9	100689075	100707134
0.36798397	1.58E-05	7950683 NARS2	11	78147017	78285909
0.84430068	5.17E-06	8006298 RAB11FIP4	17	29718642	29865232
-0.57187967	8.15E-06	8124967 BAG6	6	31606806	31620477
0.43113449	5.82E-05	8004360 KCTD11	17	7255208	7258260
-1.10233144	4.07E-05	8138745 HOXA7	7	27193340	27196296
0.5604952	8.75E-06	8023646 BCL2	18	60985187	60986613
-0.19721161	7.23E-05	7913558 LUZP1	1	23410516	23495351
-0.25721712	3.45E-05	7949746 POLD4	11	67119021	67121052
-0.5983175	6.46E-05	8045688 TNFAIP6	2	152214105	152236559
-0.41751443	5.88E-06	8005475 TRIM16L	17	18625402	18639431
0.19230658	0.000101	8050367 NBAS	2	15307032	15701454
-0.22497815	8.26E-06	8165622 ZMYND19	9	140476531	140484937
0.38237336	7.29E-06	7936673 RGS10	10	121259340	121302222



0.27441648	8.95E-05	8115168 RBM22	5	150070353	150080669
0.26837069	6.73E-06	8072577 YWHAH	22	32340479	32353589
0.13745769	4.06E-05	7920077 LINGO4	1	151772765	151777882
0.10441872	2.97E-05	7940216 MS4A3	11	59824101	59838587
-0.47611083	1.72E-05	7899187 HMGN2	1	26798902	26803131
-0.18358862	3.07E-05	7962085 IPO8	12	30781917	30848929
-0.20817695	8.92E-05	7949490 AP5B1	11	65543380	65547822
1.97758259	0.00010406	7961083 CLEC2B	12	10004972	10022458
0.2245032	7.91E-05	8108568 IK	5	140027384	140042064
0.2719625	2.47E-05	8043071 DNAH6	2	84743579	85046711
-0.38405185	0.00010263	7984112 RAB8B	15	63481728	63559971
-1.14467855	6.34E-06	8043687 ANKRD36	2	97779233	97930255
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409
1.76799648	6.94E-05	8042431 GKN1	2	69201705	69208111
0.43746173	5.07E-05	7932911 KIF5B	10	32297940	32345371
-0.23726545	3.75E-05	7936091 USMG5	10	105148814	105156223
-0.26298612	9.05E-05	8013919 ABHD15	17	27887691	27894042
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
0.24914698	9.79E-06	7963523 KRT3	12	53183470	53189892
0.73470766	3.10E-05	8109039 SPINK14	5	147549296	147554961
-0.35496514	5.26E-06	8010036 ZACN	17	74075263	74078885
0.38358077	6.42E-05	8059244 CHPF	2	220403670	220408487
0.14499761	3.09E-05	7945539 SLC25A22	11	790476	798269
-0.18574621	5.02E-05	8003313 CA5A	16	87921625	87970112
0.25630797	3.94E-06	8049998 TMEM18	2	667975	677439
-0.07909441	1.29E-05	8059019 CRYBA2	2	219854912	219858127
0.56451401	1.00E-05	8137464 PSPH	7	56078746	56119268
-0.56460528	4.86E-05	8045688 TNFAIP6	2	152214105	152236559
0.14102027	2.52E-05	8121803 CLVS2	6	123317582	123385063
0.65161086	2.71E-05	8021047 SETBP1	18	42260138	42457378
-0.59150554	2.60E-05	7923917 FAIM3	1	207076633	207096592
0.32221182	1.90E-05	7942381 ATG16L2	11	72525451	72540678
-1.43661458	5.12E-06	8133860 GNAI1	7	79764140	79848725
0.27716689	7.48E-05	7920303 S100A13	1	153591280	153606568
1.10053516	5.63E-05	8006453 CCL8	17	32646066	32648419
0.21301732	9.43E-06	7945521 PDDC1	11	767224	777487
-0.21609289	3.41E-05	7947652 AMBRA1	11	46417964	46612914
0.2544665	2.02E-05	7961182 KLRC2	12	10583206	10588592
-0.0870154	1.74E-05	8078905 RPSA	3	39448204	39454030
0.73062477	1.36E-05	8027363 ZNF726	19	24097684	24106516
-1.18985363	7.75E-06	8055350 TMEM163	2	135213331	135476571
0.33804305	9.15E-05	7978114 FAM158A	14	24608175	24610797
0.93824529	5.18E-06	7906786 FCRLA	1	161676762	161684141
-0.22611291	1.29E-05	8070083 TMEM50B	21	34821449	34852281
0.25857392	2.23E-05	7908692 RPS10P7	1	201489032	201489718
0.54137527	0.0001013	7896817 ISG15	1	948847	949915
-0.49124539	6.11E-05	8072817 CDC42EP1	22	37956471	37965408
0.78800659	9.45E-06	7967685 STX2	12	131274149	131323811
-0.39615278	6.75E-05	8089544 CCDC80	3	112323411	112359977
0.19674027	4.24E-05	8060963 SNAP25	20	10199477	10288065

-0.25988768	6.62E-06	7912956 RCC2	1	17733252	17766220
0.10234781	2.35E-05	7949570 GAL3ST3	11	65808237	65816651
-0.5511179	1.32E-05	7935270 BLNK	10	97951463	98031333
0.20635576	7.91E-05	8093086 PCYT1A	3	195965258	196014584
0.14811167	2.20E-05	8007188 CNP	17	40118759	40129754
0.22002907	4.42E-05	7916443 USP24	1	55532033	55681039
0.66531384	7.90E-06	8162729 TRIM14	9	100846637	100881480
0.62993217	0.00011303	8124437 HIST1H3F	6	26250370	26250835
0.66806121	4.80E-05	8153678 BOP1	8	145486056	145515120
0.35777822	2.13E-05	7900488 MIR30E	1	41220027	41220117
-0.39983944	4.58E-05	8060225 HDLBP	2	242166679	242255254
0.20853517	5.27E-05	8142143 COG5	7	106848298	107204959
-0.1350896	1.04E-05	8136602 NDUFB2	7	140396481	140406444
1.0057264	5.08E-05	8154381 LURAP1L	9	12775012	12823058
0.38747418	5.12E-05	7922550 SEC16B	1	177898242	177939050
-0.17355159	4.20E-05	8174750 RHOXF2	23	119206241	119211707
-0.32417997	4.74E-05	8039144 TMC4	19	54663836	54676944
1.06487437	1.04E-05	8154381 LURAP1L	9	12775012	12823058
-0.255219	0.00011268	7906069 RXFP4	1	155911480	155912624
0.17299194	7.08E-05	7941511 SF3B2	11	65819816	65836382
-0.62237793	0.00010949	8014248 SLFN13	17	33762115	33775856
-0.48711442	1.36E-05	8099760 ARAP2	4	36067622	36245979
0.45381483	3.57E-05	7943376 KIAA1377	11	101785746	101871791
-0.25161602	4.81E-05	7922610 ABL2	1	179079717	179198819
-0.25831608	4.99E-05	8013919 ABHD15	17	27887691	27894042
-0.537163	1.76E-05	8091991 MECOM	3	168801287	169381563
0.28666695	2.95E-05	7951614 PPP2R1B	11	111608605	111637169
-0.25190478	6.36E-05	8009721 CDR2L	17	72983727	73001889
-0.27463775	5.18E-05	8071758 MMP11	22	24115036	24126502
0.1890385	8.78E-05	7984871 CSK	15	75074425	75095539
0.38237336	7.29E-06	7936673 RGS10	10	121259340	121302222
0.58683122	2.92E-05	8114511 MZB1	5	138723258	138725605
0.34718238	3.81E-06	7898357 MST1P2	1	16972069	16976914
-0.60541484	4.89E-05	8015016 TNS4	17	38632082	38657854
-0.61476225	4.53E-06	7932420 PTPLA	10	17631960	17659373
-0.21117244	3.84E-05	7911989 RPL22	1	6245081	6259679
0.17055578	1.69E-05	8066384 GTSF1L	20	42354802	42355642
0.36621753	4.84E-05	7932000 KIN	10	7797368	7829944
-0.26281932	1.88E-05	8067862 NF1	17	29421945	29549782
0.44803011	6.22E-05	7932911 KIF5B	10	32297940	32345371
0.31531259	5.17E-05	7932041 UPF2	10	11962022	12085023
-0.23511616	5.09E-05	8123274 MAP3K4	6	161412822	161538416
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
-0.07875387	0.0001125	8095422 STATH	4	70861648	70868173
-0.20963007	4.67E-05	7937363 PKP3	11	394217	404907
0.56072163	8.35E-06	7966052 CRY1	12	107385143	107487598
-0.87647486	9.49E-06	8098611 TLR3	4	186990309	187006250
0.52007471	2.24E-05	8106303 POLK	5	74807657	74895644
-0.13317961	2.65E-05	7958051 ASCL1	12	103351452	103354287
0.45917521	7.10E-05	7954810 LRRK2	12	40618813	40763084

0.40319629	2.75E-05	8082643 NEK11	3	130745694	130893979
-0.26298612	9.05E-05	8013919 ABHD15	17	27887691	27894042
0.673007	7.97E-06	8174610 LRCH2	23	114345184	114468635
-1.01888118	2.64E-05	8051762 SLC8A1	2	40339287	40739575
1.10987487	0.00010972	8023646 BCL2	18	60985187	60986613
0.19657053	4.26E-05	7941565 KLC2	11	66024765	66035330
0.32523532	5.71E-05	8021047 SETBP1	18	42260138	42457378
0.74140878	5.71E-05	7975238 PLEKHH1	14	68000008	68056255
0.43746173	5.07E-05	7932911 KIF5B	10	32297940	32345371
-0.26797375	8.33E-05	8139592 HUS1	7	48003783	48019246
0.19674027	4.24E-05	8060963 SNAP25	20	10199477	10288065
1.26731069	3.77E-05	8075956 LGALS2	22	37966254	37976024
-0.75695742	3.54E-05	8115765 FBXW11	5	171288556	171433877
-0.73316259	6.44E-05	7996954 NFAT5	16	69598997	69738553
-0.38357458	2.45E-05	8156026 CEP78	9	80850991	80881982
0.1412228	2.12E-05	8024682 C19orf29	19	3610645	3626813
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
-0.36823787	1.12E-05	7906642 KLHDC9	1	161068151	161070137
-0.3303804	9.24E-05	8085608 HAC11	3	15602242	15643130
-0.26767211	5.45E-05	8139592 HUS1	7	48003783	48019246
0.2704387	0.00011147	8072659 TOM1	22	35695268	35743985
-0.39445361	4.30E-05	7910950 KMO	1	241695680	241758943
-0.18524746	8.04E-05	8130173 RAET1L	6	150341267	150346668
-0.09226595	6.19E-05	7998351 MSLNL	16	819428	832926
0.16481867	5.29E-05	7896861 MIR200A	1	1103243	1103332
0.25305595	7.34E-05	7953835 KLRG1	12	9142221	9163338
0.41994602	1.19E-05	7946292 CYB5R2	11	7686327	7694821
0.38039115	1.46E-05	7970892 N4BP2L1	13	32974861	33002315
-0.57814793	1.62E-05	8150103 GTF2E2	8	30436032	30515738
-0.25191316	9.08E-06	8132580 YKT6	7	44240578	44253892
0.34469205	4.47E-05	8066590 TNNC2	20	44451857	44455953
1.50543927	7.73E-05	8176532 TSPY1	24	9304564	9307357
-0.32263976	2.65E-05	8169868 UTP14A	23	129040097	129063737
-0.83277829	3.00E-05	8098611 TLR3	4	186990309	187006250
0.13157755	9.56E-05	8003802 OR1A2	17	3100813	3101742
-0.95429992	2.17E-05	7909561 LINC00467	1	211556097	211605876
0.30148095	8.32E-05	8149652 HR	8	21971934	21988565
1.18641976	7.69E-05	8149927 CLU	8	27454451	27472327
0.65504046	5.17E-05	7910950 KMO	1	241695680	241758943
0.67139376	8.20E-05	8020806 RNF125	18	29598445	29653154
0.50316989	7.16E-05	7942381 ATG16L2	11	72525451	72540678
-0.18288756	8.35E-05	7912898 ATP13A2	1	17312453	17338423
0.12489204	5.93E-05	8070701 CSTB	21	45193832	45196259
0.81048269	5.49E-05	8048864 CCL20	2	228678558	228682280
-0.17621699	4.25E-05	7907633 C1orf49	1	178482212	178490944
0.2405215	2.69E-05	8089795 COX17	3	119388372	119396243
-0.91686325	4.12E-05	8016245 LRRC37A4	17	43583250	43597889
0.6138191	1.79E-05	8001800 CDH11	16	64980685	65155919
0.18240627	1.05E-05	7908097 SMG7	1	183441506	183523327
-0.40984379	0.00010142	7937150 ADAM8	10	135075921	135090407

-0.6220454	1.79E-05	7985934 SEMA4B	15	90728152	90772890
3.69824714	3.34E-05	8100808 SULT1E1	4	70706931	70725870
0.82930527	3.77E-05	7898793 C1QA	1	22963118	22966174
-0.41419618	9.73E-05	8108861 NDFIP1	5	141488324	141534006
-0.32622669	9.48E-06	8062251 EPB41L1	20	34700348	34820720
0.21502867	3.28E-05	8086985 COL7A1	3	48601506	48632593
0.25102753	5.36E-05	8081867 TIMMDC1	3	119217368	119243123
0.70752365	5.41E-06	8009653 CD300A	17	72462522	72480931
-0.1882361	6.92E-05	7941039 RPS6KA4	11	64126625	64139686
-0.15777524	0.00010245	8098822 DGKQ	4	952676	967344
-0.35505362	8.21E-06	8122426 PHACTR2	6	143929317	144152321
0.20913451	2.57E-05	7995206 TGFB1I1	16	31483476	31489281
-0.17839971	2.19E-05	7941460 DRAP1	11	65686728	65689047
-0.26302629	5.51E-05	7924526 TP53BP2	1	223967596	224033674
-0.10948033	2.43E-05	8163936 LHX6	9	124964860	124991019
0.4064143	3.46E-05	7898483 ARHGEF10L	1	17866330	18024369
1.06924253	8.43E-06	8055143 LOC440905	2	130783572	130808704
0.28666695	2.95E-05	7951614 PPP2R1B	11	111608605	111637169
0.30888867	3.34E-05	7927389 MAPK8	10	49609687	49643182
-0.76698441	8.24E-05	8063156 CD40	20	44746906	44758384
-0.13317961	2.65E-05	7958051 ASCL1	12	103351452	103354287
-0.470371	2.44E-05	7898263 FBLIM1	1	16085255	16113084
0.40200576	7.44E-05	7898483 ARHGEF10L	1	17866330	18024369
-1.14467855	6.34E-06	8043687 ANKRD36	2	97779233	97930255
-0.30563767	3.17E-05	7897482 PIK3CD	1	9711790	9789171
-0.95257423	3.24E-05	7914270 LAPTM5	1	31205315	31230683
0.77486709	9.82E-05	7945321 GLB1L2	11	134201768	134246217
0.56920761	4.00E-05	7932109 SEPHS1	10	13360083	13390280
0.31949546	7.99E-05	8119492 BYSL	6	41888965	41900782
-0.58803997	0.00011107	8110499 RUFY1	5	178977571	179037019
0.4901275	2.85E-05	7995976 CPNE2	16	57126510	57181876
0.70872577	5.45E-05	7937735 LSP1	11	1874200	1913492
0.19631924	9.45E-05	8051670 SOS1	2	39208692	39347604
0.18711925	3.11E-05	8104298 NDUFS6	5	1801496	1816163
0.34923285	9.42E-05	8018107 CDC42EP4	17	71279764	71308143
-0.38591635	6.01E-06	7973306 ABHD4	14	23067147	23081257
0.40154281	3.11E-05	8035201 CPAMD8	19	17003763	17137625
-0.17322106	0.00010053	7913558 LUZP1	1	23410516	23495351
0.22251349	8.73E-05	7948249 SLC43A1	11	57252008	57283159
-0.35834931	5.20E-05	7917255 SSX2IP	1	85109390	85156240
-0.42401569	7.60E-05	8148149 ZHX2	8	123793901	123986755
-0.79560589	1.69E-05	8148964 Sep-14	7	55861237	55930482
0.18626934	9.70E-05	7995206 TGFB1I1	16	31483476	31489281
-0.36823787	1.12E-05	7906642 KLHDC9	1	161068151	161070137
1.07144966	2.27E-05	8150076 DUSP4	8	29193620	29208185
-0.15198213	2.80E-05	8039779 SLC27A5	19	59009700	59023432
-0.99240687	5.98E-05	8000574 NUPR1	16	28548662	28550495
-0.50227289	8.30E-05	8003210 C16orf74	16	85741126	85784689
-0.17451015	1.55E-05	8180388 NME2	17	49242891	49249104
0.23437295	1.65E-05	8080226 DNAH1	3	52350335	52434512

0.2437763	7.13E-05	8120251 FBXO9	6	52929796	52965668
0.66871686	2.48E-05	8021047 SETBP1	18	42260138	42457378
-0.51001132	5.26E-05	8051762 SLC8A1	2	40339287	40739575
0.25390599	3.73E-05	7940924 PLCB3	11	64018995	64036924
0.25656281	6.34E-05	7927389 MAPK8	10	49609687	49643182
0.35092259	3.45E-05	8163972 RC3H2	9	125616025	125667562
-0.29367269	3.07E-05	7952445 MSANTD2	11	124636394	124670299
-0.1377743	8.04E-05	7941243 DPF2	11	65101346	65120450
-1.2079207	2.41E-05	8007850 LRRC37A2	17	44590076	44633014
0.38239849	4.38E-05	8119132 FGD2	6	36973423	36996845
-0.18029691	2.79E-05	7900540 RIMKLA	1	42846468	42889900
0.41953736	5.62E-05	8127987 SNORD50A	6	86387012	86387086
0.61486929	2.95E-05	8160663 AQP7	9	33384949	33402517
0.33320292	2.16E-05	8155883 OSTF1	9	77703398	77762113
-0.38267281	0.00010355	7897803 PLOD1	1	11994746	12035593
0.2467458	1.03E-05	7913835 RHCE	1	25688741	25747363
-0.16981901	6.67E-05	8053753 TEK4	2	95537232	95542568
-0.26980276	2.11E-05	7922104 GCSH	16	81115552	81129980
0.13460392	1.25E-05	8109585 LSM11	5	157170755	157183746
0.27916537	9.95E-05	7908793 ELF3	1	201979690	201986306
0.25094695	0.0001047	8115168 RBM22	5	150070353	150080669
-0.11696276	7.01E-05	8060320 DEFB129	20	207925	210526
0.25118511	4.68E-05	8175256 MGC16121 X		133677408	133680660
0.24780713	7.30E-05	7927389 MAPK8	10	49609687	49643182
0.24559379	1.35E-05	8035694 PBX4	19	19672524	19729439
0.61400112	3.27E-05	7970924 STARD13	13	33677273	33859901
-0.31539998	0.00010331	8111443 C1QTNF3	5	34017964	34043317
-0.39514957	1.61E-05	7937330 IFITM2	11	308107	309409
1.43763638	4.34E-05	7993638 TMC5	16	19422057	19510432
0.38237336	7.29E-06	7936673 RGS10	10	121259340	121302222
-0.20679826	1.09E-05	8128894 REV3L	6	111620235	111804414
0.54734543	5.85E-06	8054308 TBC1D8	2	101623691	101767846
-0.25353552	6.16E-05	7935951 C10orf76	10	103605356	103815932
-0.24111071	4.19E-05	8067862 NF1	17	29421945	29549782
0.24927085	5.93E-05	8038443 FUZ	19	50310126	50316567
-0.50910759	2.55E-05	7987385 MEIS2	15	37183233	37393500
0.30858735	1.35E-05	7946089 TRIM5	11	5684425	5706339
-0.28261751	3.46E-05	7913558 LUZP1	1	23410516	23495351
-0.17854527	6.07E-05	8023121 ST8SIA5	18	44259081	44337039
0.54337051	4.51E-05	8005475 TRIM16L	17	18625402	18639431
-0.52022967	1.37E-05	8087224 SLC25A20	3	48894357	48936402
-0.88830007	6.93E-05	8016245 LRRC37A4	17	43583250	43597889
0.21342866	2.33E-05	7909225 DYRK3	1	206808881	206822541
0.38636406	2.26E-05	8065485 NINL	20	25433338	25566153
0.26422778	5.98E-05	7900030 EIF2C1	1	36348810	36389897
0.97767194	5.39E-05	8115691 SLIT3	5	168093072	168728133
-0.3396686	6.70E-05	7898736 LINC00339	1	22351707	22357713
0.18137494	2.49E-05	8069633 ATP5J	21	27096792	27107965
0.56558771	0.00010575	8047738 NRP2	2	206547224	206608421
0.61400112	3.27E-05	7970924 STARD13	13	33677273	33859901

0.27916537	9.95E-05	7908793	ELF3	1	201979690	201986306
0.12068342	2.85E-05	7913169	CAPZB	1	19665267	19812066
0.33784798	5.62E-05	8116548	DUSP22	6	292101	351353
-0.09323802	6.56E-05	8125805	GRM4	6	33989629	34101443
-1.14471082	8.70E-05	8087547	MST1R	3	49924438	49941306
0.4901275	2.85E-05	7995976	CPNE2	16	57126510	57181876
-0.54797393	1.88E-05	8036232	C19orf46	19	36494002	36499672
0.38220717	0.00010298	8070665	SIK1	21	44834398	44847002
-0.16818539	2.38E-05	7902822	PKN2	1	89149922	89301937
0.55268105	3.56E-05	7973985	MIPOL1	14	37667118	38016865
-0.10183241	3.79E-05	8123780	CAGE1	6	7329330	7389942
-0.17153919	5.89E-05	8000748	HIRIP3	16	30004311	30007412
0.18352099	6.69E-05	8155062	TESK1	9	35605281	35610037
-0.8116605	1.41E-05	8134351	PPP1R9A	7	94536949	94925725
-0.22531323	2.41E-05	7947652	AMBRA1	11	46417964	46612914
0.41994602	1.19E-05	7946292	CYB5R2	11	7686327	7694821
-0.33495358	2.74E-05	7927062	ZNF33A	10	38299578	38348994
1.55065842	0.00011129	8113130	MCTP1	5	94042289	94620279
0.19238922	1.00E-05	7966621	SDS	12	113830252	113841692
0.20026133	4.37E-05	8083808	LRR1Q4	3	169539710	169555558
-0.99582852	6.63E-05	7978407	PRKD1	14	30045689	30396899
0.55591529	6.30E-05	8021442	ZNF532	18	56530061	56653703
0.1568746	6.11E-05	7907719	AXDND1	1	179334855	179523868
-0.24407354	2.27E-05	7939825	NDUFS3	11	47600562	47606115
0.23361105	4.55E-05	7922104	GCSH	16	81115552	81129980
-0.48360459	3.09E-05	8008933	BCAS3	17	58755172	59470198
-0.63514104	9.00E-05	7938834	NAV2	11	19372271	20143146
0.47932555	6.36E-05	8157216	UGCG	9	114659206	114695431
-0.15339446	7.15E-05	8026895	CCDC124	19	18043824	18054793
0.17596256	4.97E-05	7964579	CTDSP2	12	58213712	58240747
-0.35460989	4.33E-05	7945660	FAM99A	11	1686829	1689085
-1.39804082	4.80E-05	7962559	SLC38A4	12	47158544	47219780
0.3557683	3.09E-05	8176323	IL3RA	Y	1455509	1501581
-0.17150328	3.11E-05	8093578	NAT8L	4	2061239	2070815
-0.17150328	3.11E-05	8093578	NAT8L	4	2061239	2070815
-0.8809882	8.58E-05	8072678	HMOX1	22	35777060	35790205
-0.51860097	8.02E-05	8039593	ZNF667	19	56950694	56988770
0.31482243	2.25E-05	8110499	RUFY1	5	178977571	179037019
-0.34168707	3.23E-05	8168179	DLG3	23	69664705	69725337
0.34667858	1.76E-05	7964937	ZFC3H1	12	72003379	72057749
-0.165317	2.49E-05	8174750	RHOXF2	23	119206241	119211707
-0.13376533	4.16E-05	8059551	SPHKAP	2	228844670	229046361
-0.46048002	3.70E-05	8145440	PPP2R2A	8	26149007	26230193
0.76513665	3.79E-05	7898623	UBXN10	1	20512578	20519941
-0.14091009	3.36E-05	8069848	KRTAP6-2	21	31971006	31971193
0.17596256	4.97E-05	7964579	CTDSP2	12	58213712	58240747
-0.48132945	0.00010394	8054281	LONRF2	2	100889754	100939195
0.26173748	1.95E-05	7965048	NAP1L1	12	76438672	76478738
-0.36985086	9.74E-05	8005695	MEIS3P1	17	15690164	15693017
-0.49292237	5.44E-05	8050846	DTNB	2	25600114	25896503

-0.27327917	0.00010113	7927389	MAPK8	10	49609687	49643182
0.56916547	9.35E-05	7903592	KIAA1324	1	109656585	109749401
-0.49701156	4.04E-05	8073890	GRAMD4	22	47022658	47075687
2.26371275	2.69E-05	8161755	ALDH1A1	9	75515588	75567969
-0.82472199	8.86E-05	8180351	CTBP2	10	126676419	126849624
0.36683782	2.70E-05	8012212	ZBTB4	17	7362686	7387568
0.2110605	4.45E-05	7962085	IPO8	12	30781917	30848929
0.17107216	2.97E-05	8111757	C9	5	39284379	39364655
0.27845083	4.73E-05	8119408	NFYA	6	41040707	41070145
-0.11399306	1.47E-05	8117071	FAM8A1	6	17600518	17611949
-1.08628662	2.42E-05	7920642	MUC1	1	155158302	155162700
0.65161086	2.71E-05	8021047	SETBP1	18	42260138	42457378
0.61400112	3.27E-05	7970924	STARD13	13	33677273	33859901
-0.10384534	8.43E-05	8163936	LHX6	9	124964860	124991019
-0.52119587	5.45E-05	8099834	TLR1	4	38797878	38806412
0.75288821	9.26E-05	8095021	SPATA18	4	52917593	52963457
0.27916537	9.95E-05	7908793	ELF3	1	201979690	201986306
1.12469956	1.25E-05	8097335	HSPA4L	4	128703453	128754522
0.34009338	1.94E-05	7973156	RNASE8	14	21526052	21526514
1.61680845	1.59E-05	7990683	ACSBG1	15	78463189	78526899
0.30659694	4.69E-05	8062251	EPB41L1	20	34700348	34820720
-0.55585334	5.99E-05	8049246	INPP5D	2	233925036	234116548
-0.44981581	7.74E-05	8154233	CD274	9	5450503	5470566
0.3042348	0.00010698	7954969	IRAK4	12	44152747	44183346
-0.21627939	1.52E-05	8092933	ACAP2	3	194995466	195163817
-0.13587649	7.14E-05	8074473	CLDN5	22	19510547	19512860
-0.35580014	8.94E-05	7908793	ELF3	1	201979690	201986306
0.18608024	8.62E-05	8151898	C8orf37	8	96258235	96281437
-0.31484413	4.15E-05	7908758	SHISA4	1	201857797	201861715
0.75564232	4.63E-05	8112274	ELOVL7	5	60047617	60140101
0.65161086	2.71E-05	8021047	SETBP1	18	42260138	42457378
0.4064143	3.46E-05	7898483	ARHGEF10L	1	17866330	18024369
-0.33968334	7.92E-05	7899187	HMGN2	1	26798902	26803131
0.39963793	2.19E-05	7926170	DHTKD1	10	12110934	12165223
-0.15155002	6.21E-05	8174750	RHOXF2	23	119206241	119211707
-0.32477753	2.02E-05	8014574	DDX52	17	35972413	36003487
-0.2291206	8.49E-05	8132580	YKT6	7	44240578	44253892
-0.13317961	2.65E-05	7958051	ASCL1	12	103351452	103354287
1.09429332	0.00011081	8152976	TMEM71	8	133722194	133772914
0.4064143	3.46E-05	7898483	ARHGEF10L	1	17866330	18024369
0.33186058	4.45E-05	7926170	DHTKD1	10	12110934	12165223
0.80351945	8.17E-05	8020806	RNF125	18	29598445	29653154
-0.28202898	2.11E-05	8163972	RC3H2	9	125616025	125667562
-0.33915188	0.00010874	8177460	PCMTD2	20	62887048	62907578
-0.21117244	3.84E-05	7911989	RPL22	1	6245081	6259679
0.155323	4.10E-05	7994445	SH2B1	16	28875078	28885533
0.11763516	6.46E-05	7955989	OR6C1	12	55714384	55715321
-0.13366374	6.87E-05	7967067	DYNLL1	12	120907660	120936297
-0.33107915	3.45E-05	7933999	RUFY2	10	70136951	70167051
-0.27818846	3.41E-05	8137133	KRBA1	7	149412148	149431662

0.5250485	4.90E-05	7966052 CRY1	12	107385143	107487598
0.83476445	7.43E-05	7948982 HRASLS2	11	63320242	63330855
0.2047798	6.35E-05	8083808 LRR1Q4	3	169539710	169555558
1.12469956	1.25E-05	8097335 HSPA4L	4	128703453	128754522
-0.81712163	1.73E-05	7918134 AMY1A	1	104230040	104239073
-0.24957096	5.34E-05	8019796 MAFG	17	79876147	79885588
0.23683591	5.80E-05	7985192 AGPHD1	15	78799906	78826011
-0.5871374	2.19E-05	8154135 SLC1A1	9	4490427	4587469
-0.29543657	1.08E-05	7899462 RCC1	1	28832455	28865708
-0.45095368	9.88E-05	8132642 PPIA	7	44836241	44842715
-0.38481885	1.76E-05	7906642 KLHDC9	1	161068151	161070137
0.50959762	3.93E-05	7968972 COX17	3	119388372	119396243
0.49119687	6.50E-05	8096875 ENPEP	4	111397229	111484491
-0.69377608	2.05E-05	7985934 SEMA4B	15	90728152	90772890
-0.31005199	2.60E-05	8126135 GLO1	6	38643704	38670952
-1.74034906	5.70E-05	7935535 CRTAC1	10	99624758	99790585
0.59380156	4.43E-05	7978285 ADCY4	14	24787571	24803864
-0.20307399	6.50E-05	7949490 AP5B1	11	65543380	65547822
0.32523532	5.71E-05	8021047 SETBP1	18	42260138	42457378
0.20695795	7.52E-05	7909236 MAPKAPK2	1	206858289	206907626
-0.42746717	4.74E-05	8040211 KLF11	2	10183682	10194963
-0.43032507	5.52E-05	8008339 RSAD1	17	48556190	48563336
1.73768865	0.0001046	7937728 TNNI2	11	1860233	1862910
-0.27454448	8.71E-05	7949227 CDC42BPG	11	64591664	64612041
-0.28727402	6.35E-05	8056710 C2orf77	2	170501935	170550931
-0.49441549	4.11E-05	7941401 OVOL1	11	65554529	65564683
-0.19203138	3.83E-05	8026198 ZSWIM4	19	13906274	13943044
0.94729611	7.20E-05	8149699 PHYHIP	8	22077217	22089851
0.54022732	7.94E-05	7978586 CFL2	14	35179588	35184029
-0.584021	6.40E-05	7917779 GCLM	1	94352590	94375012
0.23173326	2.31E-05	7936242 ITPRIP	10	106071901	106093663
0.32523532	5.71E-05	8021047 SETBP1	18	42260138	42457378
0.82930527	3.77E-05	7898793 C1QA	1	22963118	22966174
-0.33824805	4.99E-05	7917674 SET	9	131445934	131458674
-0.5154822	2.65E-05	8010673 SLC25A10	17	79679371	79688041
0.19093581	1.95E-05	8098214 TLL1	4	166794410	167024993
0.47618487	9.11E-05	7899407 SMPDL3B	1	28261504	28282990
0.33186058	4.45E-05	7926170 DHTKD1	10	12110934	12165223
0.33186058	4.45E-05	7926170 DHTKD1	10	12110934	12165223
-0.73717383	1.42E-05	7928189 UNC5B	10	72972298	73060749
1.03314393	9.72E-05	7909768 SPATA17	1	217804695	218040484
0.23404445	8.16E-05	7900857 ST3GAL3	1	44173218	44396830
0.48881971	5.35E-05	7943376 KIAA1377	11	101785746	101871791
-0.27640464	9.16E-05	7915500 C1orf210	1	43747559	43751288
-1.15855871	2.43E-05	7905533 IVL	1	152881039	152884361
0.23521233	7.42E-05	7988852 BCL2L10	15	52401824	52404972
-0.81272296	7.24E-05	7972336 DZIP1	13	96230457	96296957
-0.3905014	4.05E-05	7987426 FSIP1	15	39892234	40075039
0.53592686	0.00010492	7944838 OR8G5	11	124134723	124135762
-0.55505578	2.76E-05	8150103 GTF2E2	8	30436032	30515738



0.55558997	7.96E-05	7978586 CFL2		14	35179588	35184029
-0.20205741	2.27E-05	7899187 HMG2		1	26798902	26803131
-0.49496275	7.34E-05	7906954 PBX1		1	164528802	164821045
0.9477641	8.37E-05	7899160 CD52		1	26644411	26647013
0.37057095	5.65E-05	7990632 PEAK1		15	77400471	77577333
0.25875288	7.31E-05	7922382 ANKRD45		1	173577475	173639001
0.26698292	3.76E-05	8035694 PBX4		19	19672524	19729439
0.41158883	8.19E-05	7936439 AFAP1L2		10	116054584	116164515
0.35274454	1.56E-05	7991224 HAPLN3		15	89420520	89438770
0.66871686	2.48E-05	8021047 SETBP1		18	42260138	42457378
0.4902519	8.43E-05	8117304 SLC17A4		6	25754927	25781402
-0.54129431	9.73E-05	8114733 ARAP3		5	141032969	141061800
0.11736901	8.70E-05	8173381 TEX11	X		69748791	70128567
-0.09544356	2.34E-05	8085504 GRIP2		3	14530619	14583588
-0.32873062	4.91E-05	8010036 ZACN		17	74075263	74078885
0.5472636	3.33E-05	7915160 RRAGC		1	39305015	39325340
0.26717735	4.87E-05	7897803 PLOD1		1	11994746	12035593
0.54075925	6.36E-05	8110685 PP7080		5	470626	473080
-0.38267281	0.00010355	7897803 PLOD1		1	11994746	12035593
-0.48126054	3.50E-05	8016402 CBX1		17	46147415	46178883
-0.22526499	3.84E-05	8039655 ZNF550		19	58058343	58067725
0.3557683	3.09E-05	8176323 IL3RA	Y		1455509	1501581
-0.46644205	6.10E-05	7907861 XPR1		1	180601146	180859413
-0.2997733	1.79E-05	8049689 RNPEPL1		2	241508104	241518141
0.17608774	3.26E-05	7946972 SAA3P		11	18134020	18137679
0.32697934	8.82E-05	7953564 C12orf57		12	7053203	7055164
-0.87215051	6.24E-05	8121152 FUT9		6	96463845	96663487
0.14430384	7.96E-05	7911444 UBE2J2		1	1189294	1209234
-0.26380818	6.45E-05	7954104 ATF7IP		12	14518611	14651696
-0.17647085	8.23E-05	8098214 TLL1		4	166794410	167024993
0.57397019	3.21E-05	8090448 RUVBL1		3	127799801	127842671
-0.65885549	8.64E-05	8170027 DDX26B	X		134654555	134716459
0.14243617	5.16E-05	8114215 PITX1		5	134363425	134369964
-0.19413662	0.00010048	8062908 STK4		20	43595120	43708591
0.71531534	8.84E-05	7977397 CRIP2		14	105941131	105946500
0.25461226	0.00010477	7975066 AKAP5		14	64932217	64941220
0.54022732	7.94E-05	7978586 CFL2		14	35179588	35184029
-2.46055617	3.75E-05	8134030 STEAP1		7	89783689	89794140
-0.74328016	3.63E-05	8027363 ZNF726		19	24097684	24106516
-0.5433966	2.32E-05	7932420 PTPLA		10	17631960	17659373
0.58636723	3.19E-05	7980024 HEATR4		14	73945193	74025651
-1.66971306	5.28E-05	8091723 RARRES1		3	158422442	158450275
-0.50406332	0.00010278	8095187 CEP135		4	56815037	56899526
0.70219538	7.48E-05	8102440 ARSJ		4	114821440	114900878
-0.36633455	1.91E-05	7917255 SSX2IP		1	85109390	85156240
0.19680841	8.63E-05	7922969 PDC		1	186412719	186430239
0.21766259	2.78E-05	7946267 MRPL17		11	6701616	6704632
-0.65950698	2.09E-05	7969060 FNDC3A		13	49550048	49783914
-0.33910041	9.46E-05	8072847 SH3BP1		22	38035684	38052049
0.28629302	0.00010993	7965846 CCDC53		12	102406718	102455899

-0.14889073	9.03E-05	8041467 VIT	2	36923833	36986817
0.32523532	5.71E-05	8021047 SETBP1	18	42260138	42457378
-0.56460528	4.86E-05	8045688 TNFAIP6	2	152214105	152236559
-0.0903598	6.87E-05	8121649 RFX6	6	117198376	117253308
-1.52053821	7.46E-05	8163257 LPAR1	9	113636056	113800365
-1.52053821	7.46E-05	8163257 LPAR1	9	113636056	113800365
-0.44127541	3.63E-05	8007750 HEXIM2	17	43238264	43247406
1.94562966	2.38E-05	7921434 AIM2	1	159032275	159046647
-0.38338865	3.35E-05	8161503 FAM27A	9	45727029	45728282
0.28666695	2.95E-05	7951614 PPP2R1B	11	111608605	111637169
0.4435596	4.87E-05	8081710 SIDT1	3	113251218	113348421
0.09641778	4.02E-05	8106976 GPR150	5	94955980	94957284
0.3042348	0.00010698	7954969 IRAK4	12	44152747	44183346
-0.35602741	1.64E-05	7960165 ZNF268	12	133757995	133783695
-0.31484413	4.40E-05	7908758 SHISA4	1	201857797	201861715
0.54402518	2.53E-05	8153424 C8orf73	8	144648365	144654928
-0.35467237	5.32E-05	7900488 MIR30E	1	41220027	41220117
0.28969468	0.00010279	7908793 ELF3	1	201979690	201986306
-0.18017775	5.71E-05	7962085 IPO8	12	30781917	30848929
-0.68543003	2.68E-05	7930380 ADD3	10	111765726	111895320
-0.3642534	1.57E-05	7926189 SEC61A2	10	12171640	12207403
0.38564927	1.91E-05	7979943 MAP3K9	14	71194856	71275888
0.14637535	4.11E-05	8041820 SOCS5	2	46926099	46989926
0.27170932	4.37E-05	7936856 CHST15	10	125767186	125806241
0.52341889	5.82E-05	8104394 ADCY2	5	7396343	7830194
-0.99240687	5.98E-05	8000574 NUPR1	16	28548662	28550495
0.25857392	2.23E-05	7908692 RPS10P7	1	201489032	201489718
-0.16015064	2.87E-05	8051427 FEZ2	2	36779404	36825332
-0.5154822	2.65E-05	8010673 SLC25A10	17	79679371	79688041
-0.21248213	7.37E-05	7923183 ZNF281	1	200375426	200379166
0.26111772	4.72E-05	8133018 ZNF716	7	57509883	57533265
-0.15245979	1.34E-05	8000507 EIF3C	16	28390905	28415165
0.1173765	4.26E-05	8049299 SCARNA6	2	234197322	234197587
-0.25677714	7.47E-05	8019046 EIF4A3	17	78109014	78120982
-0.19046728	6.31E-05	7897305 ZBTB48	1	6640063	6649339
0.08626455	7.84E-05	8090891 EPHB1	3	134514099	134979305
0.43746173	5.07E-05	7932911 KIF5B	10	32297940	32345371
-0.2643322	9.35E-05	8153664 BOP1	8	145486056	145515120
0.20266569	0.00011114	8087473 IP6K1	3	49761728	49823973
-0.11496031	2.44E-05	8117071 FAM8A1	6	17600518	17611949
0.43472361	6.39E-05	8019622 TMEM106A	17	41363894	41371589
-0.23085641	5.87E-05	8019376 DUS1L	17	80015752	80023680
-0.48431965	9.50E-05	8145660 DCTN6	8	30013813	30041059
-0.39818972	9.66E-05	8142036 SRPK2	7	104756824	105029341
0.19878622	5.60E-05	8083739 MIR16-2	3	160122533	160122613
-0.29215117	4.80E-05	8016215 ARHGAP27	17	43471269	43503012
-0.4737434	0.00010387	8122756 PLEKHG1	6	150920999	151164799
0.27916537	9.95E-05	7908793 ELF3	1	201979690	201986306
0.23264406	5.29E-05	7900857 ST3GAL3	1	44173218	44396830
-0.37858629	2.51E-05	7927267 FAM35B	10	46897641	46939143

-0.11836091	6.06E-05	7933672 PCDH15	10	55580860	56561051
0.868421	7.39E-05	8102440 ARSJ	4	114821440	114900878
0.12592025	6.48E-05	8015681 CCR10	17	40831422	40833845
0.82823667	3.79E-05	7918657 PTPN22	1	114356434	114414375
0.21832401	0.00010632	7915971 AGBL4	1	48998527	50489626
0.38104205	2.40E-05	8034202 RAB3D	19	11432723	11450344
-0.42175928	6.35E-05	8064388 SLC52A3	20	740725	749228
0.42226071	0.00011254	8174047 TIMM8A	23	100603027	100603708
-0.21378747	7.47E-05	7920077 LINGO4	1	151772765	151777882
-0.27971486	0.00010359	8038416 IRF3	19	50162829	50169132
-0.2819218	4.21E-05	7987960 TTBK2	15	43036542	43213007
0.67643252	8.26E-05	8126312 TFEB	6	41651716	41703997
1.42546462	7.74E-05	8043504 MAL	2	95691479	95719735
0.37857857	8.77E-05	8097586 GAB1	4	144257983	144395717
0.63456961	2.91E-05	7970924 STARD13	13	33677273	33859901
1.7560154	7.41E-05	7922627 NPHS2	1	179519677	179545084
0.65498438	2.12E-05	8028186 ZNF146	19	36705504	36729673
0.20933873	7.11E-05	7936242 ITPRIP	10	106071901	106093663
0.41549231	7.99E-05	8069135 C21orf90	21	45937098	45938859
-0.37776353	3.31E-05	8162880 MRPL50	9	104152249	104160919
0.19093581	1.95E-05	8098214 TLL1	4	166794410	167024993
-1.18736728	2.96E-05	8027260 ZNF486	19	20278083	20308984
-0.31544177	2.88E-05	8043583 LOC285033	2	96905977	96907701
0.10567416	4.14E-05	7991503 LYSMD4	15	100267614	100273626
0.14045048	5.57E-05	7926334 OLAH	10	15085895	15115851
0.33777521	8.96E-05	7896908 PUSL1	1	1243994	1247056
0.29939621	3.00E-05	8007302 TUBG1	17	40761358	40767254
0.35777822	2.13E-05	7900488 MIR30E	1	41220027	41220117
-0.47289649	2.35E-05	7969916 BIVM	13	103451399	103493887
-0.24529694	0.00010948	8012013 CLEC10A	17	6977857	6983600
1.43778046	0.00010333	8099467 FGFBP1	4	15937195	15939971
-0.31175506	2.73E-05	8071783 SLC2A11	22	24199059	24227723
-0.15231921	2.41E-05	8030181 CGB2	19	49535130	49536494
-1.09298357	9.01E-05	8158671 ASS1	9	133320094	133376660
1.85990957	6.83E-05	8101429 PLAC8	4	84015307	84035911
0.24408169	8.07E-05	7900395 RLF	1	40627041	40706592
-0.79355068	3.93E-05	8160297 PLIN2	9	19115760	19127573
0.19921723	0.00011246	8017831 C17orf58	17	65987218	65989765
0.51914791	0.00010172	7983940 FAM63B	15	59063393	59149732
-0.18367014	0.00010011	7918955 GDAP2	1	118419846	118472302
-0.75253222	0.00010883	8005839 TMEM97	17	26646121	26655710
0.22910098	3.18E-05	8008922 PPM1D	17	58677554	58742036
-0.55125643	6.20E-05	7906954 PBX1	1	164528802	164821045
-0.30575998	0.00010889	8146579 CHD7	8	61591339	61779463
1.21454499	0.00010415	8075956 LGALS2	22	37966254	37976024
0.30865973	9.95E-05	8006214 ADAP2	17	29248754	29286209
-0.39575467	8.75E-05	7922121 ANKRD36BP1	1	168214821	168216668
0.20919011	7.23E-05	8180392 TIMM8B	11	111955541	111957522
-0.51135537	3.16E-05	8010673 SLC25A10	17	79679371	79688041
0.21357372	4.13E-05	8019687 ANAPC11	17	79849599	79858363

0.85490909	0.00010844	8156770	GALNT12		9	101569981	101612358
-0.60600087	1.91E-05	7936144	COL17A1		10	105791048	105845638
0.33941795	3.46E-05	8112139	IL6ST		5	55230938	55290821
-0.25595719	8.80E-05	7966441	C12orf47		12	112277573	112280706
-0.36146097	8.73E-05	8029950	EHD2		19	48216601	48246390
-0.45625746	5.15E-05	8145669	RBPMS		8	30241944	30405027
-0.48554143	8.50E-05	8120883	DOPEY1		6	83777385	83878127
0.27761147	5.10E-05	8028955	CYP2B7P1		19	41430170	41456563
-0.36118483	3.04E-05	8005475	TRIM16L		17	18625402	18639431
-0.25753343	0.00011239	8092691	BCL6		3	187439165	187463513
0.16214683	5.62E-05	8144505	CLDN23		8	8559666	8561616
0.18256139	5.44E-05	7966621	SDS		12	113830252	113841692
1.7177086	8.21E-05	8037298	CD177		19	43857825	43867479
-0.30043959	5.39E-05	7981859	GOLGA8IP		15	23255242	23262743
1.15537898	2.54E-05	8160441	CDKN2A		9	21967752	21994490
-0.17322106	0.00010053	7913558	LUZP1		1	23410516	23495351
-0.20643448	8.61E-05	8173531	HDAC8	X		71787433	71792953
0.11505917	6.64E-05	8110074	HMP19		5	173472724	173536181
-0.57534909	7.26E-05	7987139	GOLGA8IP		15	23255242	23262743
-0.45653659	9.92E-05	8104079	FAT1		4	187508938	187644987
0.2276539	0.00010003	8026587	NWD1		19	16830787	16928773
0.30731943	9.38E-05	8176306	CSF2RA	Y		1387693	1424711
-0.19403471	6.71E-05	8026488	OR10H5		19	15904859	15905805
-0.19403471	6.71E-05	8026488	OR10H5		19	15904859	15905805
0.74009186	2.18E-05	7902317	TNNI3K		1	74663947	75010108
-0.17322106	0.00010053	7913558	LUZP1		1	23410516	23495351
-0.55962194	2.69E-05	8170648	BGN	X		152760347	152775004
0.29891591	4.35E-05	8067680	PRIC285		20	62189439	62205592
-0.07781899	7.03E-05	8059019	CRYBA2		2	219854912	219858127
0.28889749	4.97E-05	8050079	RNASEH1		2	3592693	3605940
-0.49808672	4.27E-05	8047401	CFLAR		2	201980816	202006323
-0.25283232	4.63E-05	7963567	KRT8		12	53290971	53298868
0.55096904	5.51E-05	7961390	HEBP1		12	13127801	13153243
0.16762758	3.80E-05	7902822	PKN2		1	89149922	89301937
0.16762758	3.80E-05	7902822	PKN2		1	89149922	89301937
-0.38267281	0.00010355	7897803	PLOD1		1	11994746	12035593
-0.20331075	0.00010398	8071276	TBX1		22	19744226	19754855
-0.20331075	0.00010398	8071276	TBX1		22	19744226	19754855
-0.17900213	2.53E-05	8071234		38596	22	19701987	19712297
-0.29437098	8.60E-05	7948111	OR10AG1		11	55735035	55735939
-0.5071548	4.18E-05	8159984	C9orf46		9	5357973	5437860
-0.44925888	5.12E-05	7905754	ATP8B2		1	154298036	154310320
2.50148765	4.69E-05	8051583	CYP1B1		2	38294746	38303323
-0.21191701	4.85E-05	7985192	AGPHD1		15	78799906	78826011
0.47352655	2.90E-05	7922414	SNORD76		1	173835773	173835853
0.7255818	3.75E-05	7906786	FCRLA		1	161676762	161684141
-0.96560291	3.75E-05	7908488	CFHR1		1	196788861	196801316
-0.36490048	5.20E-05	8095221	PAICS		4	57301915	57327534
-0.23237886	5.47E-05	7927267	FAM35B		10	46897641	46939143
0.25003122	6.20E-05	7908692	RPS10P7		1	201489032	201489718

0.36181601	0.00010521	8002133 PSMB10	16	67968407	67970753
-0.86070229	3.02E-05	7923596 ETNK2	1	204100191	204121307
-0.21385662	9.16E-05	7940749 SLC22A9	11	63137261	63177710
-0.38910896	4.66E-05	7910950 KMO	1	241695680	241758943
-0.31772133	0.00010211	8019716 TBC1D3G	17	34797177	34808103
0.43218141	5.27E-05	8077595 BRPF1	3	9773434	9789697
-0.56460528	4.86E-05	8045688 TNFAIP6	2	152214105	152236559
0.12485664	3.61E-05	8137280 NOS3	7	150688144	150711686
0.33328323	8.45E-05	8054395 UXS1	2	106709760	106810795
0.4901275	2.85E-05	7995976 CPNE2	16	57126510	57181876
0.27724312	0.00010593	8029884 SAE1	19	47634080	47713892
-0.36372112	9.73E-05	7975772 ZC2HC1C	14	75536299	75544798
-0.34767704	2.51E-05	8122426 PHACTR2	6	143929317	144152321
0.61769868	8.52E-05	8134036 STEAP2	7	89841000	89866991
-0.75341427	9.11E-05	8160297 PLIN2	9	19115760	19127573
0.27916537	9.95E-05	7908793 ELF3	1	201979690	201986306
-1.28703118	8.27E-05	8014974 TOP2A	17	38544774	38574202
0.57088225	3.38E-05	8044021 IL1RL1	2	102927962	102968497
-0.69945907	3.88E-05	8102065 BDH2	4	103998783	104021024
-0.44574071	6.07E-05	7928890 AGAP11	10	88730498	88769960
0.14161657	3.55E-05	8062134 GDF5	20	34021149	34026027
0.40200576	7.44E-05	7898483 ARHGEF10L	1	17866330	18024369
-0.18200556	0.00011214	7988400 SHF	15	45459414	45493373
-0.15938766	8.48E-05	7924233 USH2A	1	216347294	216596738
0.47781323	7.52E-05	8106771 NBPFF22P	5	85578262	85593362
-0.12135936	5.00E-05	8017010 HSF5	17	56497529	56565759
-0.52955716	2.98E-05	8044813 TMEM37	2	120189446	120196094
-0.13212264	4.20E-05	8007141 EIF1	17	39845127	39847897
-0.27185826	5.51E-05	8084423 PSMD2	3	184017022	184026840
-0.23620235	9.27E-05	8163882 RAB14	9	123940416	123964365
-0.23620235	9.27E-05	8163882 RAB14	9	123940416	123964365
-0.27410832	4.79E-05	7953518 DSTNP2	12	6993846	6994902
1.58914906	4.05E-05	7990683 ACSBG1	15	78463189	78526899
-0.11696276	7.01E-05	8060320 DEFB129	20	207925	210526
-0.20628152	4.20E-05	8019507 C17orf62	17	80407591	80408707
0.74364638	2.28E-05	8158431 PHYHD1	9	131683174	131704320
-0.34348713	5.92E-05	7908758 SHISA4	1	201857797	201861715
0.36749836	2.34E-05	7995007 HSD3B7	16	30996519	31000473
0.37153062	3.17E-05	8126244 LRFN2	6	40359373	40555126
-0.20058161	5.57E-05	7927267 FAM35B	10	46897641	46939143
0.17608774	3.26E-05	7946972 SAA3P	11	18134020	18137679
-0.18367014	0.00010011	7918955 GDAP2	1	118419846	118472302
-0.10407014	6.08E-05	7921367 SPTA1	1	158580496	158656506
-0.71281403	4.93E-05	7971565 LPAR6	13	48985184	49018840
0.27951212	8.14E-05	7909992 FBXO28	1	224301791	224349749
-0.39894967	5.93E-05	7925525 CEP170	1	243287731	243418708
-0.35580014	8.94E-05	7908793 ELF3	1	201979690	201986306
-0.74328016	3.63E-05	8027363 ZNF726	19	24097684	24106516
1.29962111	8.24E-05	7920238 S100A12	1	153346184	153348075
-0.36171069	9.54E-05	8075217 AP1B1	22	29723671	29784572

0.33712327	7.85E-05	7915543 SLC6A9	1	44462156	44497134
-0.5858904	3.53E-05	7961230 CSDA	12	10851678	10875953
0.68470598	4.36E-05	8085608 HAC11	3	15602242	15643130
0.8290277	8.50E-05	8020211 CIDEA	18	12254318	12277592
-1.2079207	2.41E-05	8007850 LRR37A2	17	44590076	44633014
0.12486168	0.00010944	8030972 VN1R2	19	53761545	53762855
0.59103537	7.49E-05	8129193 CEP85L	6	118812597	118973020
0.27916537	9.95E-05	7908793 ELF3	1	201979690	201986306
-0.4737434	0.00010387	8122756 PLEKHG1	6	150920999	151164799
0.18229398	2.95E-05	8153459 PYCRL	8	144686083	144691784
-0.19787195	9.41E-05	7924636 TMEM63A	1	226033234	226070420
0.27916537	9.95E-05	7908793 ELF3	1	201979690	201986306
0.20450132	5.49E-05	8157153 PALM2-AKAP2	9	112542577	112934789
0.64352906	3.22E-05	7910047 DNAH14	1	225117356	225211989
0.37057095	5.65E-05	7990632 PEAK1	15	77400471	77577333
-0.22503754	6.14E-05	8125818 C6orf1	6	34214158	34216904
0.22470667	2.18E-05	8040503 UBXN2A	2	24163376	24223691
0.30052324	5.60E-05	7927389 MAPK8	10	49609687	49643182
0.54599181	4.85E-05	8082133 PDIA5	3	122785856	122880953
0.77535031	4.36E-05	7931930 PRKCQ	10	6469105	6622238
0.60025941	0.00010774	8056184 ITGB6	2	160958233	161056590
-0.20867287	7.15E-05	8060963 SNAP25	20	10199477	10288065
0.14927028	6.93E-05	8041820 SOCS5	2	46926099	46989926
1.26161784	4.47E-05	7990683 ACSBG1	15	78463189	78526899
-0.35150296	0.000106	7927323 FAM21B	10	47894023	47949416
-0.50979525	4.94E-05	7912157 ERFF1	1	8071780	8086393
0.22038913	8.60E-05	8147837 ZFPM2	8	106331147	106816765
0.61688394	5.38E-05	7954382 PYROXD1	12	21590538	21624180
1.58914906	4.05E-05	7990683 ACSBG1	15	78463189	78526899
-0.31619633	7.59E-05	7981859 GOLGA8IP	15	23255242	23262743
0.82605708	9.78E-05	7955865 HOXC9	12	54393877	54397118
-0.21439259	9.17E-05	7909271 IL24	1	207070788	207077484
-0.4720412	6.53E-05	8151149 ARFGEF1	8	68109897	68255912
0.23019872	2.97E-05	8063473 RPL12	9	130209955	130213684
0.94686366	3.92E-05	7899394 C1orf38	1	28199055	28213192
-0.51261871	3.67E-05	8010673 SLC25A10	17	79679371	79688041
-0.34077679	7.61E-05	7927146 CSGALNACT2	10	43633934	43680747
0.15024392	4.83E-05	8041820 SOCS5	2	46926099	46989926
0.70852196	4.41E-05	8038899 FPR1	19	52249027	52255150
0.26571542	8.13E-05	7962829 SNORA2B	12	49061240	49061376
0.2190381	9.94E-05	8091087 NMNAT3	3	139279041	139396840
0.56558771	0.00010575	8047738 NRP2	2	206547224	206608421
-0.21273754	6.40E-05	7899455 PHACTR4	1	28696093	28826880
-0.10267092	3.37E-05	8075118 CRYBB1	22	26995362	27013991
-0.37979546	5.02E-05	8150877 SNORD54	8	56986398	56986460
-0.20280768	0.00011236	8023121 ST8SIA5	18	44259081	44337039
1.10576661	8.73E-05	8023401 CCDC68	18	52568742	52626739
-1.20861901	3.51E-05	8092654 RPL39L	3	186838741	186857263
-0.52460636	0.00010327	8012931 CDRT1	17	15491978	15523018
0.37103881	3.49E-05	8177955 MICB	6	31465855	31478898

0.18497301	3.25E-05	8043055 DNAH6	2	84743579	85046711
0.28404971	8.66E-05	7952145 HYOU1	11	118914896	118927925
-0.87245614	8.48E-05	7934842 MMRN2	10	88695300	88717425
-0.22808357	0.00010468	8047780 SNORA41	2	207026952	207027081
-0.48342616	5.81E-05	7952641 ARHGAP32	11	128834956	129062093
0.35671909	3.51E-05	8005765 WSB1	17	25621106	25640645
-0.5060623	5.39E-05	8091991 MECOM	3	168801287	169381563
-0.25017678	5.33E-05	7945944 RHOG	11	3848208	3862213
0.36717446	3.10E-05	7897728 FBXO6	1	11724150	11734407
-1.02827914	7.58E-05	8122756 PLEKHG1	6	150920999	151164799
0.2162793	9.07E-05	8180284 RPL13	16	89627090	89629848
0.40286676	6.98E-05	7904314 TTF2	1	117602949	117645489
0.25192968	9.12E-05	8012843 ZNF18	17	11880762	11900689
0.83956011	4.17E-05	7901336 STRADB	2	202316392	202345573
-0.83982061	4.22E-05	8160297 PLIN2	9	19115760	19127573
0.25004201	7.08E-05	7947040 SPTY2D1	11	18627949	18656020
0.25628862	0.00010928	8164698 MED27	9	134735499	134955253
0.28404971	8.66E-05	7952145 HYOU1	11	118914896	118927925
0.16485236	0.00010483	7924686 C1orf55	1	226170404	226187066
-0.10687623	9.13E-05	7946041 HBD	11	5254059	5255858
-1.02610707	6.31E-05	8111677 LIFR	5	38475065	38595507
0.42746717	4.74E-05	8040211 KLF11	2	10183682	10194963
0.15930675	7.66E-05	8023955 BSG	19	571325	583492
0.64871042	6.11E-05	7906386 PYHIN1	1	158901342	158946841
0.21960158	6.13E-05	7945436 HRAS	11	532243	535550
-0.24065865	9.66E-05	7935951 C10orf76	10	103605356	103815932
-0.26366942	6.32E-05	7900395 RLF	1	40627041	40706592
0.65993049	5.92E-05	8138504 RAPGEF5	7	22157909	22396533
0.40590966	5.39E-05	7991374 IDH2	15	90627214	90645708
0.71803839	5.41E-05	8150076 DUSP4	8	29193620	29208185
-0.11269523	4.80E-05	7911532 AURKAIP1	1	1309111	1310562
-0.1513253	7.36E-05	8038571 JOSD2	19	51009259	51014345
-0.18367014	0.00010011	7918955 GDAP2	1	118419846	118472302
-0.23951649	4.58E-05	8008132 ATP5G1	17	46970148	46973230
0.19975459	9.91E-05	7940924 PLCB3	11	64018995	64036924
0.09433184	0.00011299	8121649 RFX6	6	117198376	117253308
0.25878623	7.26E-05	7908376 RGS18	1	192127592	192154943
0.32193394	6.65E-05	8125870 TCP11	6	35085849	35109187
0.56935867	8.45E-05	7979824 ACTN1	14	69340841	69446083
-0.60353519	4.32E-05	8045688 TNFAIP6	2	152214105	152236559
0.5678869	4.17E-05	8150877 SNORD54	8	56986398	56986460
2.00861926	0.0001084	7929065 IFIT1	10	91152322	91163742
-0.99227723	5.51E-05	8043687 ANKRD36	2	97779233	97930255
-0.15022555	6.69E-05	8047248 PLCL1	2	198669426	199014606
-0.18208167	0.00010148	8017651 SMURF2	17	62540735	62658386
-0.14144904	6.15E-05	8162719 HEMGN	9	100689075	100707134
-1.41636726	6.43E-05	8059878 IQCA1	2	237232794	237416092
-0.76058083	6.39E-05	7940643 ASRGL1	11	62104774	62160885
-0.13160811	4.14E-05	8054766 ACR	22	51176652	51183726
0.28896117	8.64E-05	8021047 SETBP1	18	42260138	42457378

0.1484741	7.75E-05	8025237 CAMSAP3	19	7660788	7683194
0.15051782	5.80E-05	8041820 SOCS5	2	46926099	46989926
0.28969468	0.00010279	7908793 ELF3	1	201979690	201986306
-0.19387923	5.73E-05	7945436 HRAS	11	532243	535550
-0.19387923	5.73E-05	7945436 HRAS	11	532243	535550
-0.51102069	0.00011216	7927099 LOC84856	10	42970939	42990784
-0.12056008	8.67E-05	8037525 CKM	19	45809672	45826233
0.91100489	3.20E-05	7902317 TNNI3K	1	74663947	75010108
0.12766271	0.00010525	8007429 G6PC	17	41052815	41065386
0.37057095	5.65E-05	7990632 PEAK1	15	77400471	77577333
-0.25595719	8.80E-05	7966441 C12orf47	12	112277573	112280706
1.10244346	9.34E-05	8023401 CCDC68	18	52568742	52626739
1.14914708	4.26E-05	7964907 PTPRR	12	71031862	71314584
1.14914708	4.26E-05	7964907 PTPRR	12	71031862	71314584
-0.46440671	7.82E-05	7909954 DISP1	1	223101783	223179335
-2.10494078	8.55E-05	7934898 ANKRD22	10	90579661	90611732
1.11429178	8.60E-05	7902518 GIPC2	1	78511589	78603111
-0.20114894	0.00010322	7954279 AEBP2	12	19592608	19675173
0.3540801	0.00010118	7966621 SDS	12	113830252	113841692
0.24663114	8.28E-05	7940924 PLCB3	11	64018995	64036924
0.60423208	8.28E-05	7929012 STAMBPL1	10	90640026	90683242
1.44732047	7.29E-05	7898124 FHAD1	1	15573768	15724622
0.60638571	7.64E-05	7940028 SERPING1	11	57365027	57382326
1.00078788	6.17E-05	7978366 GZMB	14	25100161	25103432
0.54022732	7.94E-05	7978586 CFL2	14	35179588	35184029
-1.12062445	3.69E-05	8138749 HOXA9	7	27202058	27205149
1.10987487	0.00010972	8023646 BCL2	18	60985187	60986613
-0.08249997	7.37E-05	8033969 RAVR1	19	10426891	10444314
1.34492547	0.00010516	8162183 LOC440173	9	89623367	89657041
-0.21439259	9.17E-05	7909271 IL24	1	207070788	207077484
0.43124645	0.00010013	7946292 CYB5R2	11	7686327	7694821
0.43750722	3.89E-05	7954969 IRAK4	12	44152747	44183346
0.4494284	0.0001043	7939093 DNAJC24	11	31391377	31454381
0.82495575	5.81E-05	8094093 GPR78	4	8582291	8589518
0.61688394	5.38E-05	7954382 PYROXD1	12	21590538	21624180
0.10911431	8.55E-05	8097038 NDST3	4	118955500	119179786
0.6632783	8.01E-05	8088979 VGLL3	3	86987125	87040257
0.28415542	4.19E-05	7988644 ATP8B4	15	50150436	50411419
-0.79589367	3.48E-05	7898988 CLIC4	1	25071760	25170815
-0.20919409	6.45E-05	7899455 PHACTR4	1	28696093	28826880
0.26242677	7.12E-05	8174750 RHOF2	23	119206241	119211707
-0.59735176	8.55E-05	7925531 AKT3	1	243666484	244006553
0.11754636	7.61E-05	7898296 C1orf64	1	16330731	16333180
-0.4192166	4.78E-05	7928534 C10orf11	10	77542519	78317124
-0.13032451	5.37E-05	8102636 TMEM155	4	122680085	122686340
-0.28581683	9.31E-05	7948127 OR8H1	11	56057605	56058538
0.27364609	0.00011197	8148293 NSMCE2	8	126104083	126379367
0.37026788	3.71E-05	7990632 PEAK1	15	77400471	77577333
0.1765373	7.07E-05	8168737 TNMD		99839790	99854880
-0.11618065	6.45E-05	7977567 KLHL33	14	20896970	20903801

X



-0.9234568	0.00010801	8050497 OSR1	2	19551247	19558372
-0.13460795	7.33E-05	7936023 C10orf95	10	104209594	104211300
-0.1174138	3.82E-05	8040053 ALLC	2	3705786	3750258
-1.45390978	8.60E-05	7920285 S100A2	1	153533587	153538306
-0.18398396	4.30E-05	8049998 TMEM18	2	667975	677439
1.94302904	5.19E-05	7981730 IGLJ3	22	23247030	23247205
-0.43214846	0.00010078	8121161 UFL1	6	96969702	97003149
0.32052788	7.80E-05	7899939 GJA4	1	35258599	35261346
-0.4995074	5.99E-05	7952641 ARHGAP32	11	128834956	129062093
-1.67341325	0.00010097	8014591 HNF1B	17	36046435	36105096
0.52417458	0.00011055	8059854 ARL4C	2	235401688	235405693
0.22085621	9.31E-05	7908692 RPS10P7	1	201489032	201489718
0.14220135	5.64E-05	8175947 HCFC1	23	153213010	153236819
-0.28782937	7.61E-05	8128394 PNISR	6	99847843	99873207
0.76018311	4.06E-05	8027363 ZNF726	19	24097684	24106516
0.17033327	3.55E-05	8038571 JOSD2	19	51009259	51014345
0.80351945	8.17E-05	8020806 RNF125	18	29598445	29653154
1.88223593	6.69E-05	8045210 CYP4F30P	2	131437623	131443433
-0.23791095	3.73E-05	7905185 RPRD2	1	150336990	150449039
-0.23419906	8.72E-05	8034827 GIPC1	19	14588572	14606944
0.48120431	9.70E-05	7915472 SLC2A1	1	43391046	43424847
-0.43308027	9.94E-05	8158022 ZNF79	9	130186653	130207650
-0.43154134	8.68E-05	8046604 AGPS	2	178257471	178408564
1.5943987	5.94E-05	8022283 PIEZO2	18	10670244	11148761
1.5943987	5.94E-05	8022283 PIEZO2	18	10670244	11148761
0.29321249	6.85E-05	7908041 LAMC1	1	182992595	183114726
0.54516055	8.90E-05	7910369 HIST3H2BB	1	228645808	228646258
-1.90395536	9.60E-05	8055350 TMEM163	2	135213331	135476571
-0.37178441	5.21E-05	8113881 RAPGEF6	5	130799309	130970929
-0.21113684	5.93E-05	8041015 SLC4A1AP	2	27886338	27917846
0.31142186	8.45E-05	7926189 SEC61A2	10	12171640	12207403
0.20934978	0.00010507	8139281 POLM	7	44111849	44122129
1.41168478	5.72E-05	8022310 PIEZO2	18	10670244	11148761
0.2139865	9.57E-05	8114658 DIAPH1	5	140894589	140998622
0.13809934	5.03E-05	8084266 HTR3D	3	183749332	183757156
0.26575078	9.10E-05	8043071 DNAH6	2	84743579	85046711
-0.20800346	9.33E-05	7985192 AGPHD1	15	78799906	78826011
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0.18840571	3.73E-05	8043055 DNAH6	2	84743579	85046711
-0.23684191	6.17E-05	7926851 WAC	10	28821427	28909921
-0.66908048	5.64E-05	8039017 ZNF816	19	53452632	53466114
-0.38474654	8.27E-05	8148964 41883	7	55861237	55930482
-1.32880455	6.81E-05	8092654 RPL39L	3	186838741	186857263
1.11429178	8.60E-05	7902518 GIPC2	1	78511589	78603111
0.25118511	4.68E-05	8175256 MGC16121 X		133677408	133680660
0.29375327	9.57E-05	8066939 B4GALT5	20	48249485	48330421
-0.81111579	7.93E-05	8150698 SNAI2	8	49830239	49833988
-0.78578898	6.60E-05	8098611 TLR3	4	186990309	187006250
0.11771657	8.55E-05	8009662 C17orf77	17	72581057	72590348
0.41691391	5.58E-05	8136954 FAM115C	7	143318045	143422175

0.1703303	9.95E-05	7937363 PKP3	11	394217	404907
-0.30514385	4.51E-05	8180200 ZNF493	19	21579921	21591599
-0.50678448	9.03E-05	8023605 PIGN	18	59711460	59854289
-0.13702284	6.34E-05	8051668 LOC375196	2	39186431	39187485
0.59960675	0.000105	8066590 TNNC2	20	44451857	44455953
0.50972514	0.00011065	7974008 TTC6	14	38065052	38510647
0.2394151	0.00010902	7996290 CMTM1	16	66600294	66613036
0.25361629	5.63E-05	8122336 C6orf115	6	139349819	139364439
-0.42852992	8.85E-05	7933228 MARCH8	10	45952817	46090354
0.54881265	6.00E-05	7946275 GVINP1	11	6734383	6743110
0.5250485	4.90E-05	7966052 CRY1	12	107385143	107487598
-1.91643548	5.89E-05	8055350 TMEM163	2	135213331	135476571
0.62747432	7.87E-05	7922717 RGS16	1	182567759	182573548
1.34516949	6.47E-05	8100994 CXCL2	4	74962764	74964997
0.21406273	0.00010747	8115997 RAB24	5	176728200	176730744
-0.20626	8.28E-05	8113658 AQPEP	5	115298151	115363298
-0.18959612	7.15E-05	7920757 FDPS	1	155278539	155290457
-0.47776193	6.44E-05	8148149 ZHX2	8	123793901	123986755
-0.21752418	1.00E-04	8069340 YBEY	21	47706267	47712111
0.60006403	5.23E-05	8074606 USP18	22	18632758	18660160
0.24943974	9.63E-05	7908692 RPS10P7	1	201489032	201489718
0.26794151	5.68E-05	8081810 GAP43	3	115342151	115440334
-0.19225578	7.19E-05	8115997 RAB24	5	176728200	176730744
-0.5983175	6.46E-05	8045688 TNFAIP6	2	152214105	152236559
-0.20964542	9.73E-05	8041015 SLC4A1AP	2	27886338	27917846
0.31588868	9.57E-05	7995976 CPNE2	16	57126510	57181876
0.09270298	9.57E-05	8139486 SNORA5B	7	45145568	45145698
-0.72298117	6.53E-05	8065612 C20orf112	20	31030864	31071288
0.4384747	7.60E-05	7922846 FAM129A	1	184760167	184943682
1.12337295	5.22E-05	8020847 DTNA	18	32073254	32409292
0.18256139	5.44E-05	7966621 SDS	12	113830252	113841692
0.1203361	8.26E-05	7941946 NDUFV1	11	67374323	67380012
-0.47288668	8.30E-05	8091991 MECOM	3	168801287	169381563
0.24324268	5.90E-05	8053009 FBXO41	2	73481810	73496758
0.50542034	9.09E-05	7984662 GOLGA6B	15	72947038	72959738
0.33210566	7.35E-05	7951385 CASP5	11	104864967	104893895
0.1187026	8.10E-05	7925728 OR6F1	1	247875131	247876057
1.44732047	7.29E-05	7898124 FHAD1	1	15573768	15724622
0.58717306	6.97E-05	8021047 SETBP1	18	42260138	42457378
-0.47271824	7.24E-05	7898263 FBLIM1	1	16085255	16113084
-0.15715703	6.93E-05	8080958 GPR27	3	71803201	71804327
-0.38683502	0.00011	8075981 C22orf23	22	38339533	38349603
-0.25685991	5.00E-05	7927389 MAPK8	10	49609687	49643182
-0.21962872	8.25E-05	8169028 NGFRAP1	23	102631268	102632992
0.58036091	7.08E-05	8161533 FOXD4L6	9	69199480	69202204
-0.2818978	0.00010865	8128394 PNISR	6	99847843	99873207
0.52240247	0.00010699	8020806 RNF125	18	29598445	29653154
0.33885	0.00010969	7948249 SLC43A1	11	57252008	57283159
0.17361753	0.00010499	7924853 MRPL55	1	228294381	228297013
0.24815225	7.00E-05	8035694 PBX4	19	19672524	19729439

1.08503895	0.00010487	7902518 GIPC2	1	78511589	78603111
0.27093924	9.91E-05	8043071 DNAH6	2	84743579	85046711
-0.21631955	0.00010308	8010161 40057	17	75277492	75496676
-0.19225578	7.19E-05	8115997 RAB24	5	176728200	176730744
-2.57640905	6.94E-05	7981722 IGHA1	14	106173457	106175002
0.20646022	8.51E-05	8160472 TUSC1	9	25676394	25678856
0.13507053	9.25E-05	7980983 MOAP1	14	93648543	93651249
0.21655356	9.17E-05	8142687 GPR37	7	124386116	124405681
-1.82628343	7.99E-05	7983478 C15orf48	15	45722763	45725645
0.11944841	0.0001074	8027169 GATAD2A	19	19496642	19619740
-0.22185627	0.00010215	7927267 FAM35B	10	46897641	46939143
-0.31180684	8.46E-05	8006063 ANKRD13B	17	27920527	27941778
0.12039465	5.94E-05	8125870 TCP11	6	35085849	35109187
0.19975459	9.91E-05	7940924 PLCB3	11	64018995	64036924
0.79455628	6.90E-05	7899921 GJB5	1	35220721	35224113
0.57337859	9.95E-05	7982187 APBA2	15	29213840	29410514
0.14219559	7.32E-05	7948310 OR9I1	11	57885972	57886916
0.29044003	9.01E-05	8007757 FMNL1	17	43299292	43324681
0.45370065	9.65E-05	7908692 RPS10P7	1	201489032	201489718
-0.99240687	5.98E-05	8000574 NUPR1	16	28548662	28550495
1.52596548	7.21E-05	7990683 ACSBG1	15	78463189	78526899
-0.25484969	7.03E-05	7928705 TSPAN14	10	82214038	82282390
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0.18086841	8.70E-05	7966621 SDS	12	113830252	113841692
1.74936226	6.99E-05	8037298 CD177	19	43857825	43867479
-0.17771088	8.18E-05	8064762 CENPB	20	3764500	3767337
-0.272213	9.00E-05	7939818 PTPMT1	11	47586982	47595012
0.77860027	7.98E-05	8175747 MAGEA3	23	151934653	151938240
1.18681853	7.35E-05	7915590 RNU5F-1	1	45187458	45187574
1.0280773	7.95E-05	8138749 HOXA9	7	27202058	27205149
-0.3303804	9.24E-05	8085608 HACL1	3	15602242	15643130
0.31382582	9.98E-05	7965510 TMCC3	12	94960900	95044324
0.26368244	0.0001061	7936891 METTL10	10	126447406	126480439
0.52747411	0.00010105	8089771 CD80	3	119243142	119278481
0.52747411	0.00010105	8089771 CD80	3	119243142	119278481
0.71332642	9.34E-05	8117422 HIST1H4F	6	26240654	26241021
-0.33267589	7.10E-05	7976726 EVL	14	100531751	100610572
-0.11743446	9.25E-05	8123780 CAGE1	6	7329330	7389942
0.25565344	8.23E-05	7927389 MAPK8	10	49609687	49643182
1.7177086	8.21E-05	8037298 CD177	19	43857825	43867479
-0.31479213	7.83E-05	7944751 C11orf63	11	122753473	122776583
-0.48462581	9.09E-05	8104601 BASP1	5	17217750	17276935
0.84262271	0.00011275	8001178 C16orf87	16	46835959	46865074
-0.3699232	9.32E-05	8050190 ADAM17	2	9629413	9695917
-0.14053197	0.00010056	8132851 VSTM2A	7	54610019	54636947
-0.12943288	0.00011104	8051668 LOC375196	2	39186431	39187485
0.21901271	7.80E-05	7905986 FDPS	1	155278539	155290457
-0.23333345	0.00010167	8023481 NARS	18	55267894	55289177
0.32328694	6.79E-05	7975626 C14orf43	14	74181826	74253896
0.85239413	9.89E-05	7948332 LPXN	11	58294346	58345639

-0.51816358	9.67E-05	7912537 DHRS3	1	12627940	12677820
0.30495436	9.15E-05	7937150 ADAM8	10	135075921	135090407
0.48471393	7.82E-05	8160771 KIF24	9	34252379	34329198
-0.7186174	8.75E-05	8133860 GNAI1	7	79764140	79848725
0.25628862	0.00010928	8164698 MED27	9	134735499	134955253
1.04499767	0.00011065	8097335 HSPA4L	4	128703453	128754522
-0.77820008	9.84E-05	7920291 S100A16	1	153579367	153585514
0.69166474	7.68E-05	8009040 MRC2	17	60704762	60770950
-0.50736346	0.00010693	8019716 TBC1D3G	17	34797177	34808103
0.16635504	9.57E-05	8068154 KRTAP20-1	21	31988774	31988943
0.50976942	0.0001116	8041745 CAMKMT	2	44589043	44999729
0.18824582	8.84E-05	8144505 CLDN23	8	8559666	8561616
-0.47163273	0.0001097	8180331 UBE2D3	4	103717134	103790032
-1.49640301	9.12E-05	8138337 AGMO	7	15239943	15601640
0.2149584	9.55E-05	7920944 SMG5	1	156219017	156252620
-0.44178143	0.00010864	7969166 KCNRG	13	50589390	50595057
-0.27615108	9.53E-05	8146142 AGPAT6	8	41435707	41482520
0.22085621	9.31E-05	7908692 RPS10P7	1	201489032	201489718
-0.09826345	0.00010996	7946019 OR52E2	11	5079881	5080857
0.21451554	9.80E-05	8050190 ADAM17	2	9629413	9695917
0.15671848	0.00011133	8131387 USP42	7	6144550	6201194
-0.16371498	0.00010459	8043055 DNAH6	2	84743579	85046711

CpG Methylation						
	Distance to mcoef (mQTL)	p-value2	Name2	Gene3	Chr3	MapInfo
trans-acting-o	1.02261479	3.67E-05	cg24652919	WDR58		16 3073191
trans-acting-o	0.55022025	8.24E-07	cg02279071	MLH1		3 37034154
trans-acting-o	0.42319389	4.00E-08	cg25229706	SAMD8		10 76871606
trans-acting-o	-2.4732256	6.04E-07	cg10784813	SOCS1		16 11348678
trans-acting-o	1.46609461	4.47E-07	cg16741710	TP73		1 3559246
trans-acting-o	-0.51813723	7.83E-05	cg01819572	IL17RD		3 57204530
trans-acting-o	-2.47954879	1.19E-06	cg25314216	NARS		18 53452901
trans-acting-o	1.50075702	2.08E-07	cg16741710	TP73		1 3559246
trans-acting-o	0.99362049	3.13E-08	cg05538432	C1S		12 7038012
trans-acting-o	2.61050593	9.11E-09	cg11373429	ICAM5		19 10400751
trans-acting-o	-0.70388209	4.53E-07	cg13083810	POU5F1		6 31139156
trans-acting-o	1.82985245	3.05E-06	cg24573501	F2RL1		5 76114373
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1		6 31938708
trans-acting-o	3.10796561	1.12E-08	cg02361557	NTNG1		1 107484486
trans-acting-o	0.53444634	7.15E-07	cg22825979	RFP2		13 50571203
trans-acting-o	-1.44383587	4.70E-06	cg23580000	ADCY7		16 50322156
trans-acting-o	0.94244152	1.87E-06	cg19668234	TSP50		3 46759449
trans-acting-o	1.08082225	1.82E-07	cg08719486	DAPK1		9 90112101
trans-acting-o	-1.42801775	3.11E-07	cg14645650	RUNX3		1 25228801
trans-acting-o	-1.56644466	5.11E-07	cg09427311	ANGPTL2		9 128925551
trans-acting-o	4.5027118	9.78E-08	cg09083627	SLITRK5		13 88324597
trans-acting-o	1.55785319	6.53E-08	cg20825323	IGBP1	X	NA
trans-acting-o	-1.05410114	3.40E-06	cg05859842	FRMPD2		10 49483356
trans-acting-o	3.77589167	4.58E-05	cg00929855	HSPA1A		6 31783364
trans-acting-o	-1.71558191	6.01E-06	cg22512531	CRTAM		11 122709551
trans-acting-o	1.08313372	6.17E-08	cg25229172	CCDC38		12 94860252
trans-acting-o	1.06047323	4.32E-05	cg03109047	GRIN1		9 140032686
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1		6 31938708
trans-acting-o	0.95743685	1.29E-06	cg13697387	LCE2A		1 152670843
trans-acting-o	1.40147093	1.70E-05	cg08995424	ATP5G2		12 52357158
trans-acting-o	-1.69782794	1.78E-07	cg19025034	FUT2		19 53890712
trans-acting-o	-1.37862429	1.33E-05	cg00585790	LIMS1		2 108571277
trans-acting-o	-1.47340557	4.85E-07	cg03775422	MGC33530		7 54610192
trans-acting-o	1.5852202	5.13E-06	cg03273615	FLJ11016	X	NA
trans-acting-o	-0.79535834	2.39E-05	cg14093936	SEMA7A		15 72513667
trans-acting-o	-0.79535834	2.39E-05	cg14093936	SEMA7A		15 72513667
trans-acting-o	1.56395793	8.09E-07	cg08822227	SH3BP2		4 2820468
trans-acting-o	-1.62423614	2.90E-07	cg13649728	SLC25A31		4 128651707
trans-acting-o	-1.55609687	1.18E-06	cg20925955	TIAM2		6 155412182
trans-acting-o	-2.98681529	1.17E-05	cg21790626	ZNF154		19 58220494
trans-acting-o	2.80542449	8.16E-07	cg12707233	WNK3	X	NA
trans-acting-o	0.9151057	2.37E-06	cg19511844	ORMDL3		17 35337645
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1		6 31938708
trans-acting	-2.97772642	8.71E-06	cg01722450	C18orf20		18 59967616
trans-acting-o	-1.88007881	9.16E-07	cg13316191	CDCA7L		7 21985884
trans-acting-o	4.09912058	1.91E-06	cg12078929	SERHL		22 42896688
trans-acting-o	-0.92366014	1.64E-06	cg27303882	PAGE2	X	NA

trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1	6	31938708
trans-acting-o	-1.4689632	5.39E-07	cg08475088	NALP9	19	56249291
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96	6	28475389
trans-acting-o	0.95844123	1.56E-05	cg01819572	IL17RD	3	57204530
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96	6	28475389
trans-acting-o	-0.95433861	5.57E-06	cg13853198	FCER1G	1	161185092
trans-acting-o	-2.24365524	2.42E-06	cg15928398	ST6GAL1	3	188130644
trans-acting-o	2.01819072	4.65E-06	cg15503752	ST6GALNAC1	17	74639731
trans-acting-o	0.28565997	1.69E-06	cg11151811	PRKAG1	12	49412422
trans-acting-o	1.19404142	2.43E-07	cg03887534	BCL2L13	22	18121194
trans-acting-o	0.9060013	1.09E-07	cg06619299	GMCL1L	5	177615005
trans-acting-o	0.56616845	1.37E-07	cg13060405	MYO18A	17	27506970
trans-acting-o	1.42226334	3.08E-06	cg17233601	PTPN5	11	18770994
trans-acting-o	0.37125994	1.14E-06	cg07868688	ORC3L	6	88299842
trans-acting-o	0.92834162	2.68E-06	cg03109047	GRIN1	9	140032686
trans-acting-o	0.99722162	1.92E-06	cg16046376	PC	11	66721779
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1	6	31938708
trans-acting-o	1.9964975	2.62E-05	cg09360083	THYN1	11	134124536
trans-acting	-3.81579393	5.90E-06	cg18099844	C15orf24	15	34395540
trans-acting-o	0.4545968	2.38E-06	cg14346035	PPM2C	8	94928406
trans-acting-o	2.1817126	5.74E-06	cg15503752	ST6GALNAC1	17	74639731
trans-acting-o	-1.35292	8.37E-06	cg09950370	GFRA2	8	21653653
trans-acting-o	-1.40578515	1.70E-06	cg13614181	RGC32	13	40929103
trans-acting-o	0.29119455	3.88E-05	cg04038932	FLJ46082	9	135286214
trans-acting-o	-1.1340065	9.89E-07	cg22972055	UNC84A	7	872293
trans-acting-o	1.20952393	2.91E-07	cg27091703	RAD54B	8	95487428
trans-acting-o	-1.47902658	6.21E-07	cg03775422	MGC33530	7	54610192
trans-acting-o	-0.43508882	1.76E-05	cg16621987	DGCR2	22	19110328
trans-acting-o	1.8100255	3.54E-06	cg17651821	HIST1H4L	6	27841683
trans-acting-o	-1.21808288	1.24E-06	cg05501357	HIPK3	11	33308269
trans-acting-o	1.22052571	2.48E-05	cg10324224	TTC13	1	229182620
trans-acting-o	2.33377252	5.89E-07	cg02804166	PHF6	X	NA
trans-acting-o	-0.54903658	1.28E-06	cg04636194	PAGE4	X	NA
trans-acting-o	2.98076537	2.59E-06	cg09643186	GPX2	14	65409452
trans-acting-o	1.31007949	1.46E-05	cg22175764	C20orf86	20	56237370
trans-acting-o	-1.66898221	1.07E-06	cg18987220	RAB32	6	146864247
trans-acting-o	1.16692651	3.14E-06	cg12610744	KRT4	12	53208762
trans-acting-o	-1.29421489	2.02E-05	cg22484980	TPCN2	11	68815449
trans-acting-o	-1.89488942	4.86E-07	cg03483654	DAK	11	61102074
trans-acting-o	1.056253	2.44E-06	cg05373457	KCNS2	8	99509124
trans-acting-o	1.71390286	1.77E-05	cg01722450	C18orf20	18	59967616
trans-acting-o	3.17007227	1.38E-06	cg16222762	SYT4	18	40857464
trans-acting-o	-0.87722508	6.32E-06	cg24652919	WDR58	16	3073191
trans-acting-o	-0.62619534	2.86E-06	cg04304130	HERV-FRD	6	11219880
trans-acting-o	2.51225685	8.83E-06	cg18995088	CXCL14	5	134914734
trans-acting-o	0.95383604	2.15E-06	cg11698762	WDR54	2	74648964
trans-acting-o	0.57548861	8.03E-06	cg15819853	MFHAS1	8	8750517
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96	6	28475389
trans-acting-o	-1.22871691	4.89E-06	cg12380854	LRRC46	17	45907760
trans-acting-o	1.37557241	5.29E-06	cg02037013	MC4R	18	56190510

trans-acting-o	-0.91296829	1.63E-05	cg12845808	PCDH12		5	141338604
trans-acting-o	0.84943863	6.43E-06	cg09852871	WDR24		16	739598
trans-acting-o	2.7422025	4.67E-06	cg03490200	A2ML1		12	8975196
trans-acting-o	1.73500926	8.88E-05	cg03365354	MCAM		11	118692601
trans-acting-o	-0.72941904	1.44E-06	cg01275830	C10orf95		10	104211749
trans-acting-o	1.36568069	5.24E-05	cg19618706	BGN	X		NA
trans-acting-o	1.14605645	4.03E-05	cg06602857	FOXF1		16	86542807
trans-acting-o	2.825638	1.94E-05	cg17651821	HIST1H4L		6	27841683
trans-acting-o	-0.30939376	4.58E-05	cg19250891	ATP1A4		1	160121412
trans-acting-o	-0.30939376	4.58E-05	cg19250891	ATP1A4		1	160121412
trans-acting-o	0.65330792	2.42E-06	cg03005055	HSPA2		14	65006951
trans-acting-o	-0.84068473	9.65E-06	cg24652919	WDR58		16	3073191
trans-acting-o	-0.86837167	5.04E-06	cg04087608	HSD3B2		1	119957969
trans-acting-o	-1.00405939	4.05E-06	cg11458974	HMOX1		22	34106686
trans-acting-o	-0.69697344	1.69E-05	cg07664027	RPL13A		19	54681949
trans-acting	1.37485948	6.38E-06	cg10576828	LRRC7		1	70225863
trans-acting	0.32098317	2.03E-06	cg21161651	C11orf48		11	62439250
trans-acting	1.54007707	6.57E-06	cg13281868	C6orf142		6	53883888
trans-acting-o	0.46017461	9.31E-06	cg07301004	ARPC3		12	110887501
trans-acting-o	-0.27552782	6.89E-06	cg15319076	DCTN6		8	30013987
trans-acting-o	-0.370993	2.07E-06	cg01275830	C10orf95		10	104211749
trans-acting-o	-0.68217721	8.18E-07	cg10705251	ZNF683		1	26699605
trans-acting-o	0.93612137	2.07E-05	cg02194878	EPHA8		1	22762865
trans-acting-o	-0.99678153	8.87E-05	cg25341032	ADD3		10	111766049
trans-acting-o	-1.1413492	3.71E-05	cg23839398	KLHDC4		16	86357993
trans-acting-o	-1.40854765	1.99E-06	cg03775422	MGC33530		7	54610192
trans-acting-o	-0.91097974	1.07E-05	cg15836722	IL1B		2	113310256
trans-acting-o	-0.7149604	5.86E-05	cg25457027	PROC		2	127891649
trans-acting-o	-2.15795673	5.70E-05	cg14472601	SCGB3A1		5	180019112
trans-acting-o	1.22052571	2.48E-05	cg10324224	TTC13		1	229182620
trans-acting-o	0.84345832	1.39E-06	cg21068152	SIRT4		12	120740453
trans-acting-o	-0.88362174	6.04E-06	cg01998785	AYTL1		16	54100210
trans-acting-o	1.15803745	2.79E-06	cg22855405	TINAGL1		1	32042037
trans-acting-o	-1.18022642	4.76E-06	cg18292711	KIF5B		10	32346148
trans-acting	-0.46872525	1.31E-06	cg23521281	WDR75		2	190306491
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96		6	28475389
trans-acting	-0.46312528	1.46E-06	cg23521281	WDR75		2	190306491
trans-acting	-1.48269341	2.73E-05	cg25229305	KCNK18		10	118956639
trans-acting-o	1.17639466	1.68E-05	cg26093148	TNRC4		1	151690075
trans-acting-o	1.80360749	8.42E-06	cg02254461	AXUD1		3	39170908
trans-acting-o	-1.52213834	2.29E-05	cg01733599	LIPC		15	56511143
trans-acting-o	-0.33552918	8.08E-07	cg01255349	PPFIBP1		12	27676697
trans-acting	1.35387734	1.06E-05	cg02688643	MGST2		4	140804973
trans-acting-o	0.78203255	1.61E-05	cg13131015	GUCY2C		12	14849542
trans-acting-o	-1.36132179	5.74E-05	cg08995424	ATP5G2		12	52357158
trans-acting-o	-1.275476	1.77E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	-0.42097518	3.56E-06	cg08233088	C15orf15		15	55489563
trans-acting-o	-1.15702201	2.57E-06	cg07580475	SEMA3B		3	50304049
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	-1.15503596	1.08E-05	cg26414720	MAGEA1	X		NA

cis-acting	1.91222606	5.12E-06	cg21926612	PARK2	6	163149169
trans-acting-o	0.93080728	2.72E-05	cg12271671	FGL2	7	76666995
trans-acting-o	-1.18945484	5.36E-06	cg01353448	C7orf16	7	31693437
trans-acting-o	-1.82438479	6.36E-07	cg25358289	CD14	5	140012728
trans-acting	-0.46678025	8.04E-06	cg23521281	WDR75	2	190306491
trans-acting-o	0.31277659	8.17E-06	cg11572744	DPYSL3	5	146832933
trans-acting-o	-1.14013447	8.43E-06	cg04675937	CDKN2B	9	22005419
trans-acting-o	-1.23772572	3.58E-05	cg03969797	MKRN3	15	21361757
trans-acting-o	1.49168729	1.17E-06	cg16741710	TP73	1	3569386
trans-acting-o	-0.73629142	1.91E-06	cg21665774	KIAA0355	19	34790692
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96	6	28475389
trans-acting-o	1.4620574	3.64E-06	cg04740359	NTF3	12	5603542
trans-acting-o	-0.36694643	3.49E-06	cg03234661	SLC10A1	14	69335043
trans-acting-o	-1.2433759	1.31E-05	cg15423862	KCNAB1	3	155838109
trans-acting-o	-1.2347733	1.15E-06	cg05501357	HIPK3	11	33308269
trans-acting-o	-1.07342273	2.19E-05	cg14598387	OR1N1	9	125289357
trans-acting-o	1.14593092	5.14E-06	cg23473904	COL6A2	21	46342118
trans-acting-o	1.13498529	1.15E-06	cg15768203	PPIG	2	170440722
trans-acting-o	-1.61412398	3.12E-06	cg13929328	FLJ46831	10	129535898
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1	6	31938708
trans-acting-o	-0.43031334	5.71E-06	cg11256279	C7orf23	7	86849303
trans-acting-o	-0.79658509	4.94E-05	cg09971646	DLK1	14	101194145
trans-acting-o	1.00451082	1.39E-05	cg26293512	TEPP	16	56567934
trans-acting-o	-1.05620889	1.94E-05	cg18777554	FLJ44112	12	95566788
trans-acting-o	1.44691428	5.87E-06	cg03490200	A2ML1	12	8975196
trans-acting-o	2.90070297	2.22E-05	cg13969584	AFG3L1	16	88565970
trans-acting-o	1.97561677	4.66E-06	cg02599464	HIST1H4I	6	27215076
trans-acting-o	0.57215804	3.51E-06	cg23320056	ARHGEF2	1	155948742
trans-acting-o	1.90046365	4.11E-06	cg02599464	HIST1H4I	6	27215076
trans-acting-o	1.39571139	6.51E-05	cg20051589	DLG3	X	NA
trans-acting-o	1.24305225	1.13E-06	cg00043004	NOXO1	16	2030892
trans-acting-o	-0.7554014	2.02E-05	cg22775000	TMEFF1	9	102275002
trans-acting-o	1.12377177	6.30E-06	cg10269439	IL1F7	2	113670582
trans-acting-o	1.03237693	5.08E-05	cg09494546	SLC16A4	1	110933248
trans-acting	0.95814603	4.92E-06	cg20541456	CYFIP2	5	156629098
trans-acting-o	1.22602089	4.14E-06	cg20764656	GPX2	14	65410479
trans-acting	-0.92134274	8.13E-06	cg01525376	LCK	1	32488799
trans-acting-o	-0.87881622	1.19E-05	cg19098268	PEG3	19	62044081
trans-acting-o	-1.275476	1.77E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	-1.02527479	7.41E-05	cg01161611	GALNT13	2	154509880
trans-acting-o	0.34032721	6.81E-06	cg19658284	FLJ45645	2	152118459
trans-acting-o	-0.3604525	6.27E-06	cg21287330	C17orf81	17	7154245
trans-acting-o	-1.24827754	1.65E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	0.69220246	5.78E-06	cg19985911	AVIL	12	58209674
trans-acting-o	-1.7251207	0.00010175	cg20267005	TYROBP	19	41091889
trans-acting	-1.31499311	2.53E-06	cg17714030	HBQ1	16	229983
trans-acting-o	-0.53905818	4.30E-05	cg04745805	STAT5B	17	37681000
trans-acting-o	-1.12635818	1.91E-05	cg04592706	ABCA4	1	94586592
trans-acting-o	-0.63655678	7.64E-06	cg01275830	C10orf95	10	104211749
trans-acting-o	1.05818374	8.70E-05	cg03214697	SEC14L4	22	30901532



trans-acting-o	-1.1885693	2.97E-05	cg00364814	R3HDM2		12	55977722
trans-acting-o	0.62074718	1.09E-05	cg21428681	NKX3-1		8	23540856
trans-acting-o	0.95369164	1.45E-05	cg13628514	TRPV4		12	110271439
trans-acting-o	1.27987196	8.48E-05	cg00727947	LILRA5		19	59516912
trans-acting-o	0.93426747	1.26E-05	cg01443452	GAPDHS		19	36024439
trans-acting-o	0.70210424	9.12E-05	cg03225779	COL27A1		9	115956789
trans-acting-o	0.62448727	4.69E-05	cg22873892	COPS2		15	49447651
trans-acting-o	-1.6484352	3.38E-06	cg13929328	FLJ46831		10	129535898
trans-acting-o	0.57719608	1.04E-05	cg18619398	GNAS		20	57416506
trans-acting-o	-2.02820348	1.96E-05	cg07592353	GABRA6		5	161045917
trans-acting-o	-1.12240587	6.01E-05	cg09863066	PVALB		22	35544810
trans-acting-o	0.61796644	1.08E-06	cg03302287	PKP2		12	33049650
trans-acting-o	0.53438862	2.23E-05	cg11608114	LOC338799		12	122241139
trans-acting-o	-1.35083344	1.07E-05	cg19587887	PSKH2		8	87082065
trans-acting-o	1.9732636	5.02E-05	cg04444771	C10orf10		10	44793718
trans-acting-o	-0.7147565	5.69E-05	cg03943509	PYGM		11	64529061
trans-acting-o	1.07484951	1.87E-06	cg27091703	RAD54B		8	95487428
trans-acting-o	0.93497217	3.21E-05	cg12271671	FGL2		7	76666995
trans-acting-o	-2.18929748	2.89E-05	cg05159188	HIST1H4F		6	26240579
trans-acting	2.14504753	8.33E-05	cg08527127	C1orf94		1	34643941
trans-acting-o	0.7096392	3.57E-05	cg16218254	IMMP2L		7	111202755
trans-acting-o	-1.4049915	6.61E-06	cg09111484	FLJ90579		12	80749651
trans-acting-o	1.87924704	0.00010239	cg12434779	ARHGAP6	X	NA	
trans-acting-o	-0.97111858	3.26E-05	cg02519218	CHFR		12	131934359
trans-acting-o	-1.93648667	4.11E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	1.49792881	4.19E-05	cg10734665	ATP10A		15	23658503
trans-acting-o	-0.75962787	9.97E-06	cg01107031	TGFB1		19	46550999
trans-acting-o	1.5073714	1.08E-05	cg21633698	THY1		11	119294534
trans-acting-o	2.02767817	2.61E-05	cg03224418	SAMD10		20	62611858
trans-acting-o	3.10357703	5.34E-06	cg12871124	STARD4		5	110848106
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	0.95599054	7.90E-05	cg15694180	ADAM15		1	155023435
trans-acting-o	0.29696649	7.11E-06	cg02976090	NPAL3		1	24742249
trans-acting-o	-1.73932723	8.69E-07	cg15741706	CXorf48	X	NA	
trans-acting-o	1.60025031	8.16E-05	cg16351002	CUZD1		10	124600091
trans-acting-o	0.9023665	5.17E-05	cg11981631	ABCC8		11	17454543
trans-acting-o	2.65444733	1.18E-05	cg21096966	BTBD5		14	45432458
trans-acting-o	2.17298368	5.79E-06	cg02599464	HIST1H4I		6	27215076
trans-acting-o	0.27659109	2.39E-05	cg09044743	PANK4		1	2458238
trans-acting-o	-1.36290522	8.48E-06	cg09950370	GFRA2		8	21653653
trans-acting	2.0101858	5.79E-05	cg04770504	DFNA5		7	24763888
trans-acting-o	-0.92569351	7.54E-06	cg13634864	CENTA1		7	961222
trans-acting	-0.96236909	1.53E-05	cg00629217	LNK1		4	54120106
trans-acting-o	-0.39797597	3.18E-05	cg24762437	ZZZ3		1	78148604
trans-acting-o	0.78569108	6.99E-06	cg20981615	TXK		4	47831037
trans-acting-o	-0.60632844	7.41E-05	cg07617246	NOPE		15	65715951
trans-acting-o	1.98837099	3.16E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	-0.29933345	2.11E-05	cg23786576	ATPAF1		1	47133596
trans-acting	-0.96236909	1.53E-05	cg00629217	LNK1		4	54120106
trans-acting-o	-1.44326931	6.63E-05	cg27394486	C15orf2		15	24921054

trans-acting-o	0.62429379	6.46E-05	cg22873892	COPS2	15	49447651
trans-acting-o	0.67616211	6.16E-06	cg11051139	LOC144501	12	50866695
trans-acting-o	-1.42893233	1.20E-05	cg05119218	HK3	5	176327557
trans-acting-o	-1.16752931	7.90E-06	cg18292711	KIF5B	10	32346148
trans-acting-o	-0.83891019	1.74E-05	cg01998785	AYTL1	16	54100210
trans-acting-o	0.93663089	2.07E-05	cg05942574	CACNA1G	17	48637104
trans-acting-o	2.88656517	3.03E-05	cg12619162	FXYP4	10	43867155
trans-acting-o	-0.94771566	3.01E-06	cg16893614	ALX3	1	110614450
trans-acting-o	0.30439578	6.65E-06	cg02976090	NPAL3	1	24742249
trans-acting-o	1.97386105	1.29E-05	cg10303842	CDH12	5	22853730
trans-acting-o	0.29618966	1.84E-05	cg01481441	KIAA0152	12	121125137
trans-acting-o	-0.6079312	5.24E-06	cg24759821	PAH	12	103311462
trans-acting-o	-1.1818855	4.96E-06	cg05501357	HIPK3	11	33308269
trans-acting-o	-2.13759155	6.36E-06	cg01683883	CMTM2	16	65170554
trans-acting-o	0.46984792	4.36E-05	cg27144162	CNIH	14	54908289
trans-acting-o	-1.89589847	1.06E-05	cg04981492	SYDE1	19	15218713
trans-acting	0.73931391	1.29E-06	cg02863947	NR1I2	3	119499190
trans-acting-o	-1.05782224	2.17E-05	cg25488021	EPB41L2	6	131319140
trans-acting-o	1.58139127	2.31E-05	cg06791867	TSPAN18	11	44880944
trans-acting-o	2.11730116	3.05E-05	cg17080277	PTPRB	12	71003576
trans-acting-o	2.11730116	3.05E-05	cg17080277	PTPRB	12	71003576
trans-acting-o	0.74101869	8.44E-06	cg23654219	TCF19	6	31235506
trans-acting-o	3.78449545	2.25E-05	cg12078929	SERHL	22	42896688
trans-acting-o	2.72615655	2.47E-05	cg15700197	OR10J1	1	159409207
trans-acting-o	2.16408521	2.79E-05	cg12078929	SERHL	22	42896688
trans-acting-o	0.75071782	4.07E-05	cg09852871	WDR24	16	739598
trans-acting-o	1.18855886	4.29E-05	cg02397720	RAB17	2	238512407
trans-acting-o	1.83215135	7.21E-06	cg13015534	ST6GALNAC1	17	74639793
trans-acting-o	1.04987043	6.11E-05	cg25455753	C15orf32	15	93014970
trans-acting-o	1.25388799	3.61E-06	cg03116238	GNG8	19	51829788
trans-acting-o	0.97846349	1.79E-05	cg00704310	KCTD15	19	34288103
trans-acting-o	-1.61059184	7.25E-05	cg22972055	UNC84A	7	872293
trans-acting-o	-0.78102397	1.81E-05	cg07830847	KCNA10	1	110862897
trans-acting-o	-2.11624276	1.57E-05	cg15928398	ST6GAL1	3	188130644
trans-acting-o	1.56557655	1.55E-06	cg25882366	HOXB2	17	43977036
trans-acting-o	0.93612137	2.07E-05	cg02194878	EPHA8	1	22762865
trans-acting-o	0.2365066	2.61E-05	cg03479797	CREBL1	6	32096154
trans-acting-o	1.056253	2.44E-06	cg05373457	KCNS2	8	99509124
trans-acting-o	0.9879414	2.49E-05	cg27566805	USH2A	1	216596808
trans-acting-o	1.07834093	6.22E-06	cg02647265	FLJ22471	12	123022117
trans-acting-o	-1.0085568	1.05E-05	cg11554937	HSD17B3	9	99064321
trans-acting-o	0.62353322	1.03E-06	cg03302287	PKP2	12	33049650
trans-acting-o	-0.93749148	8.36E-06	cg08244028	MSH3	5	79949339
trans-acting-o	-0.67674442	6.44E-05	cg11051139	LOC144501	12	50866695
trans-acting-o	0.53933637	2.25E-05	cg01743370	GCA	2	162909221
trans-acting-o	0.8807145	7.16E-05	cg11981631	ABCC8	11	17454543
trans-acting-o	-1.60571085	6.81E-06	cg18987220	RAB32	6	146864247
trans-acting-o	0.86946371	2.30E-05	cg12584718	BCDIN3	7	99866338
trans-acting-o	1.13133535	9.63E-05	cg21275690	WDR58	16	3012971
trans-acting-o	1.31119786	2.79E-05	cg06954481	GBX2	2	237076497

trans-acting-o	-0.48224803	8.10E-05	cg22136326	ARL2BP		16	57278759
trans-acting-o	-2.1493675	1.95E-05	cg24194775	NPR2		9	35781475
trans-acting-o	1.22768019	3.47E-05	cg11944101	CD40LG	X		135558079
trans-acting-o	-1.21919887	3.39E-06	cg01353448	C7orf16		7	31693437
trans-acting-o	1.56760206	6.72E-05	cg05109049	EVI2B		17	26665459
trans-acting-o	0.44438338	0.00010233	cg13623690	COTL1		16	84651800
trans-acting-o	0.71944264	1.29E-05	cg11908570	KIAA0040		1	175162044
trans-acting	3.20960905	2.89E-05	cg16340268	ITPKB		1	226925172
trans-acting-o	-2.17207641	2.33E-05	cg01169624	SGCE		7	94286936
trans-acting-o	1.93689531	6.98E-06	cg00107488	TXNRD2		22	18310437
trans-acting-o	0.58194124	7.38E-05	cg22968401	PIPOX		17	27370009
trans-acting-o	-1.71987431	5.42E-05	cg06585108	C10orf92		10	134671604
trans-acting-o	-0.63465204	4.59E-05	cg19776453	CEACAM1		19	43033801
trans-acting-o	-1.13546356	1.14E-05	cg18292711	KIF5B		10	32346148
trans-acting-o	-0.70795637	3.79E-05	cg03099492	CYP26A1		10	94823204
trans-acting-o	-0.72836712	2.97E-05	cg09827833	TEK		9	27099492
trans-acting-o	-0.72836712	2.97E-05	cg09827833	TEK		9	27099492
trans-acting-o	0.29854854	8.68E-06	cg02976090	NPAL3		1	24742249
trans-acting-o	-0.17738293	3.82E-06	cg09658438	CS		12	56693554
trans-acting-o	0.61559004	1.69E-05	cg14795305	SMARCD3		7	150974453
trans-acting-o	2.03759892	4.48E-06	cg00199549	MCM5		22	34125374
trans-acting-o	1.39696007	6.40E-06	cg08145590	C3orf15		3	119422161
trans-acting	1.21730865	2.10E-06	cg22231902	EN1		2	119604901
trans-acting-o	0.57003847	6.47E-05	cg15359413	FIGNL1		7	50517931
trans-acting-o	0.83365654	7.16E-05	cg10269439	IL1F7		2	113670582
trans-acting-o	1.20375621	4.30E-05	cg07042144	NALP12		19	59019216
trans-acting-o	-0.78710486	0.00010589	cg09852871	WDR24		16	739598
trans-acting-o	0.60681672	1.88E-06	cg15157837	CNNM3		2	97482059
trans-acting-o	-0.52556807	5.67E-06	cg04156850	GRB2		17	73402572
trans-acting-o	-1.26161384	2.27E-06	cg00364814	R3HDM2		12	55977722
trans-acting-o	1.1246667	0.00010282	cg13351161	SCARA3		8	27546840
trans-acting-o	-1.23316019	5.48E-05	cg15661409	C14orf105		14	57030729
trans-acting-o	-1.36797259	1.47E-05	cg10241097	UBL4B		1	110654660
trans-acting-o	0.36908763	1.71E-05	cg14872956	IKIP		12	99039015
trans-acting-o	-1.15769422	8.22E-05	cg15661409	C14orf105		14	57030729
trans-acting-o	-0.29416363	1.88E-05	cg05642698	SEC63		6	108278844
trans-acting-o	1.35354618	3.66E-05	cg12229387	GAST		17	39867328
trans-acting-o	0.90583125	6.08E-05	cg11981631	ABCC8		11	17454543
trans-acting-o	2.02064832	2.43E-06	cg02599464	HIST1H4I		6	27215076
trans-acting-o	0.97470609	1.29E-05	cg11754095	CTSO		4	156874602
trans-acting-o	2.46112596	1.35E-05	cg01309152	PCP4		21	41239771
trans-acting-o	-0.83677257	9.82E-06	cg14436426	OPRL1		20	62182838
trans-acting-o	0.42380167	1.62E-05	cg10525488	FLJ39370		4	113285888
trans-acting	0.71110615	1.23E-05	cg24304714	LCE1C		1	152779374
trans-acting-o	0.61521118	7.14E-05	cg11735605	ZNFN1A2		2	214016230
trans-acting-o	-1.02099222	1.07E-05	cg01615704	MALL		2	110873396
trans-acting-o	-0.74113341	1.19E-05	cg06132342	KRTHB5		12	52761153
trans-acting-o	0.87427424	9.21E-06	cg10481417	CYP1A1		15	75018528
trans-acting-o	-0.26630068	4.77E-05	cg18750407	RHEBL1		12	49463988
trans-acting-o	-1.17982045	2.77E-05	cg20267005	TYROBP		19	41091889

trans-acting-o	0.75399984	9.32E-06	cg07749808	SYT17		16	19179817
trans-acting-o	3.05780125	1.72E-05	cg05440289	IVL		1	152881119
trans-acting-o	-0.36280497	3.11E-05	cg26626042	AGER		6	32151594
trans-acting-o	-0.85152368	4.49E-05	cg02992767	CD40LG	X		NA
trans-acting-o	1.24117143	6.72E-06	cg00585790	LIMS1		2	108571277
trans-acting-o	0.74105369	8.72E-05	cg11459822	TADA1L		1	165112552
trans-acting-o	-0.5243771	1.05E-05	cg18119609	MDM4		1	204485302
trans-acting-o	0.4905204	1.70E-05	cg20278498	RPUSD4		11	126081648
trans-acting-o	-0.33475362	7.35E-06	cg10987882	RNF24		20	3996459
trans-acting-o	-1.15163917	5.30E-05	cg13277939	CTAGE5		14	38804962
trans-acting-o	1.471393	7.64E-05	cg07823755	UGT1A1		2	234333094
trans-acting-o	-1.18148754	4.30E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	0.50593202	7.75E-05	cg04745805	STAT5B		17	37681000
trans-acting-o	0.35233095	7.48E-05	cg19902569	AHNAK		11	62313929
trans-acting-o	-0.83720764	4.41E-05	cg11911418	ELAC1		18	46747757
trans-acting-o	-2.70300666	1.27E-05	cg19523692	ATP1B4	X		119379733
trans-acting-o	-1.37197482	7.16E-05	cg06640279	FAIM3		1	205161776
trans-acting-o	-0.37099108	9.54E-05	cg13415850	C2orf7		2	73459842
trans-acting-o	-1.42111575	4.61E-06	cg24194775	NPR2		9	35781475
trans-acting-o	1.17053056	1.80E-06	cg01743370	GCA		2	162909221
trans-acting-o	0.34504717	3.13E-05	cg03950654	ARRB2		17	4613328
trans-acting-o	1.8965322	5.47E-06	cg02622316	ZNF96		6	28475389
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1		6	31938708
trans-acting-o	0.65047822	5.19E-06	cg18506679	OLFML2A		9	127563860
trans-acting-o	-1.10795859	7.47E-05	cg25488021	EPB41L2		6	131319140
trans-acting-o	-1.275476	1.77E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	0.75862791	4.80E-06	cg04032566	NSUN3		3	95263136
trans-acting-o	-0.72493373	8.49E-06	cg01500140	LIM2		19	51890586
trans-acting-o	1.17846227	7.74E-06	cg07013734	TRPC6		11	100959893
trans-acting-o	-0.48498747	9.92E-06	cg23580000	ADCY7		16	50322156
trans-acting-o	1.74587144	2.57E-05	cg19618706	BGN	X		NA
trans-acting-o	1.87827799	2.46E-05	cg11291009	ARHGEF9	X		62891792
trans-acting-o	-0.58201602	5.24E-05	cg19370451	CRNN		1	152386561
trans-acting	0.79165793	1.73E-05	cg09044743	PANK4		1	2458238
trans-acting-o	-0.6798243	6.58E-05	cg11051139	LOC144501		12	50866695
trans-acting-o	1.2253669	2.09E-05	cg26615712	GPI		19	34856250
trans-acting-o	-0.67847528	6.97E-05	cg11051139	LOC144501		12	50866695
trans-acting-o	-1.23772572	3.58E-05	cg03969797	MKRN3		15	21361757
trans-acting-o	1.24591192	1.91E-05	cg07637239	KCNK18		10	118957259
trans-acting-o	0.76083531	1.09E-05	cg07749808	SYT17		16	19179817
trans-acting-o	1.29658778	8.87E-05	cg03273615	FLJ11016	X		NA
trans-acting-o	1.18620079	9.70E-06	cg00191052	CHST7	X		NA
trans-acting-o	0.53356194	2.19E-05	cg14391855	RIN1		11	65860750
trans-acting-o	0.48308028	2.61E-05	cg06191203	RIF1		2	152266755
trans-acting-o	-2.89570891	3.37E-06	cg01765641	TBC1D5		3	17756892
trans-acting-o	-1.81824735	1.72E-05	cg00364814	R3HDM2		12	55977722
trans-acting-o	1.22052571	2.48E-05	cg10324224	TTC13		1	229182620
trans-acting-o	-1.25759375	2.08E-05	cg06084117	PLXNA4B		7	132334901
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96		6	28475389
trans-acting-o	-1.93648667	4.11E-05	cg02622316	ZNF96		6	28475389

trans-acting-o	-0.70003985	3.60E-06	cg04176254	AGRP		16	67517429
trans-acting	0.22717044	1.67E-05	cg24577137	TPR		1	186344558
trans-acting-o	0.57168499	5.12E-05	cg21428681	NKX3-1		8	23540856
trans-acting-o	1.86159957	5.30E-06	cg12402251	CALB1		8	91094811
trans-acting	1.6469304	1.90E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	0.60967286	1.44E-05	cg15736338	FAM19A2		12	62586425
trans-acting-o	-1.07606407	7.74E-06	cg01169624	SGCE		7	94286936
trans-acting-o	-1.30523567	6.20E-05	cg05697976	MLSTD1		12	29376483
trans-acting	-0.96236909	1.53E-05	cg00629217	LNK1		4	54120106
trans-acting-o	1.21720551	4.78E-05	cg07042144	NALP12		19	59019216
trans-acting-o	-1.33519426	2.30E-05	cg26414720	MAGEA1	X	NA	
trans-acting-o	1.20301382	7.41E-05	cg11944101	CD40LG	X		135558079
trans-acting-o	0.56609499	4.48E-06	cg03549571	DHH		12	49488198
trans-acting-o	0.72832854	1.75E-05	cg12556325	C7orf29		7	149657664
trans-acting-o	1.56250038	1.94E-06	cg25882366	HOXB2		17	43977036
trans-acting-o	1.04683776	2.34E-05	cg06494782	K6IRS2		12	52995446
trans-acting-o	0.86046274	3.47E-05	cg16708012	TMEM119		12	108992114
trans-acting-o	0.73402045	7.57E-06	cg04032566	NSUN3		3	95263136
trans-acting-o	-0.31764873	9.53E-06	cg13517968	UPK1A		19	36156284
trans-acting-o	1.34172338	3.43E-05	cg06638966	COL19A1		6	70576321
trans-acting-o	0.45483545	0.0001066	cg02141675	GALNT10		5	153549601
trans-acting-o	3.30625983	1.91E-05	cg05109049	EVI2B		17	26665459
trans-acting-o	-0.56900867	3.24E-05	cg01275830	C10orf95		10	104211749
trans-acting-o	-0.56900867	3.24E-05	cg01275830	C10orf95		10	104211749
trans-acting-o	-1.22602812	2.98E-05	cg17384214	C6orf48		6	31909680
trans-acting-o	2.6073019	5.90E-05	cg06793062	CNTNAP4		16	76343868
trans-acting-o	-0.602648	1.79E-05	cg13083810	POU5F1		6	31139156
trans-acting-o	-2.26750029	2.38E-05	cg14472601	SCGB3A1		5	180019112
trans-acting-o	0.72874389	1.07E-05	cg13131015	GUCY2C		12	14849542
trans-acting-o	2.17892432	2.34E-05	cg09083627	SLITRK5		13	88324597
trans-acting-o	-2.02629203	1.03E-05	cg11128808	CACNG6		19	54495970
trans-acting-o	-1.16596052	2.58E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	-1.19400833	1.08E-05	cg00191052	CHST7	X	NA	
trans-acting-o	1.42507477	1.50E-05	cg19566405	FLJ10260		17	30784078
trans-acting-o	-1.03727039	8.27E-06	cg11754206	KCNB2		8	73448579
trans-acting-o	1.53741977	2.22E-05	cg17651821	HIST1H4L		6	27841683
trans-acting-o	0.45843413	8.26E-05	cg23698058	PRKACB		1	84544097
trans-acting-o	1.40928444	7.48E-06	cg27584469	SLITRK2	X	NA	
trans-acting-o	-0.34872927	9.73E-06	cg10987882	RNF24		20	3996459
trans-acting-o	-0.34872927	9.73E-06	cg10987882	RNF24		20	3996459
trans-acting-o	2.56990811	9.31E-05	cg13969584	AFG3L1		16	88565970
trans-acting-o	1.31170456	6.02E-05	cg15489294	FLJ90650		5	115325752
trans-acting-o	-1.54144188	1.51E-05	cg04761824	DEC1		9	117905075
trans-acting-o	-1.12181762	1.19E-05	cg23173910	ACTG2		2	74120274
trans-acting-o	-0.92846624	2.38E-05	cg15814508	P2RY14		3	150996078
trans-acting-o	-0.28867768	3.05E-05	cg25479216	NANS		9	100818684
trans-acting-o	1.23074741	8.93E-06	cg07117700	PSMC5		17	61903327
trans-acting-o	-1.275476	1.77E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	0.93781223	1.40E-05	cg04587910	XLF		2	220025744
trans-acting-o	0.28963886	2.36E-05	cg02976090	NPAL3		1	24742249

trans-acting-o	-1.09185629	8.11E-05	cg14876043	NALP7	19	60150542
trans-acting-o	0.68965788	9.18E-06	cg00381076	C18orf54	18	51884797
trans-acting-o	1.1425871	8.45E-06	cg27276456	ZSCAN4	19	58180770
trans-acting-o	0.8697273	1.38E-05	cg10481417	CYP1A1	15	75018528
trans-acting-o	-1.08734531	1.30E-05	cg24019851	SEMA3B	3	50314291
trans-acting-o	0.99616888	8.46E-05	cg19370284	ZNF38	7	99484942
trans-acting	-0.79597	0.00010173	cg09950370	GFRA2	8	21653653
trans-acting-o	0.49094997	1.93E-05	cg02735133	DCTN5	16	23652915
trans-acting-o	0.85500326	6.13E-05	cg08530414	CD44	11	35116976
trans-acting-o	-1.37197482	7.16E-05	cg06640279	FAIM3	1	205161776
trans-acting-o	1.57889681	5.92E-06	cg13314167	C9orf84	9	114557553
trans-acting-o	1.58356838	3.11E-05	cg11884243	FCN2	9	137772886
trans-acting	0.65674545	2.11E-05	cg08822227	SH3BP2	4	2820468
trans-acting-o	1.81217426	9.98E-06	cg12402251	CALB1	8	91094811
trans-acting-o	0.67478678	0.00010434	cg04353769	MS4A6A	11	59708133
trans-acting-o	-0.95305532	1.20E-05	cg04080057	CACNG6	19	54495183
trans-acting	-1.10649755	2.03E-05	cg18390025	ELOVL3	10	103976726
trans-acting-o	-0.92863537	3.05E-05	cg02712878	FAIM	3	139810060
trans-acting-o	-0.51119873	7.33E-05	cg04220579	C7orf20	7	915756
trans-acting-o	1.18968762	5.14E-05	cg08822227	SH3BP2	4	2820468
trans-acting-o	0.97989921	6.19E-05	cg14209518	NNMT	11	113671846
trans-acting-o	-1.657998	4.34E-05	cg00011459	PMM2	16	8890425
trans-acting-o	-1.39787907	2.18E-05	cg26219051	SCUBE1	22	43739629
trans-acting-o	0.78322665	3.23E-05	cg04353769	MS4A6A	11	59708133
trans-acting-o	0.50945551	3.54E-05	cg07063745	LANCL1	2	211341572
trans-acting-o	-1.67761661	4.67E-05	cg05824215	CCR6	6	167536046
trans-acting-o	-2.20992349	1.60E-05	cg01295203	PRDM14	8	71146753
trans-acting-o	0.22861752	2.35E-05	cg00008713	IMPA2	18	11980953
trans-acting-o	-0.66629206	2.82E-05	cg14611112	LCN6	9	139643351
trans-acting-o	-1.60156756	4.26E-05	cg26390526	FLG	1	152299078
trans-acting-o	-1.60156756	4.26E-05	cg26390526	FLG	1	152299078
trans-acting-o	0.66726649	1.86E-05	cg09326546	RAF1	3	12705291
trans-acting-o	-1.31380534	7.16E-05	cg24818418	EGF	4	110834590
trans-acting	-0.32547666	6.28E-05	cg10609615	TRAP1	16	3766942
trans-acting-o	-0.80193685	1.22E-05	cg14396117	MYR8	13	109248047
trans-acting-o	1.30100488	8.30E-05	cg03273615	FLJ11016	X	NA
trans-acting-o	0.59165422	1.25E-05	cg04703844	RDH10	8	74369751
trans-acting-o	-1.13228516	2.05E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	1.61427222	6.27E-05	cg05373457	KCNS2	8	99509124
trans-acting-o	0.36604758	7.09E-05	cg20345978	HMGN2	1	26798271
trans-acting	-1.01492858	3.11E-05	cg12810837	CLEC2D	12	9713554
trans-acting-o	1.33716346	5.06E-05	cg21522303	ST6GALNAC2	17	72092926
trans-acting-o	0.74548031	8.36E-05	cg12447832	TTC15	2	3383257
trans-acting-o	0.8104944	1.70E-05	cg08555612	PROK2	3	71834640
trans-acting-o	0.61929493	3.36E-05	cg13910855	PBX2	6	32157485
trans-acting-o	-1.0505929	7.06E-06	cg11754206	KCNB2	8	73448579
trans-acting-o	-0.74871699	7.54E-05	cg07684796	DKK1	10	54074209
trans-acting-o	0.78569108	6.99E-06	cg20981615	TXK	4	47831037
trans-acting-o	0.93984514	6.30E-05	cg11911951	C16orf28	16	1370217
trans-acting-o	1.10022266	6.08E-05	cg22637941	WISP1	8	134203841

trans-acting-o	1.0671585	4.82E-05	cg11640565	STS	X		7147913
trans-acting-o	1.11828638	6.88E-05	cg07346310	RBM24		6	17390333
trans-acting-o	-0.58043601	2.17E-05	cg16188243	SGTA		19	2783719
trans-acting-o	-1.62182344	1.92E-05	cg06836849	SLC17A8		12	100751051
trans-acting-o	-2.57368661	1.83E-05	cg09133026	RPS6KL1		14	75388105
trans-acting-o	-0.7563855	4.35E-05	cg16046376	PC		11	66721779
trans-acting-o	1.15423029	1.85E-05	cg01476044	MGAM		7	141695293
trans-acting-o	-2.75811837	1.02E-05	cg15731815	C1orf188		1	6269260
trans-acting-o	0.28595003	2.51E-05	cg02976090	NPAL3		1	24742249
trans-acting	1.6469304	1.90E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	-0.68106774	5.32E-06	cg13131015	GUCY2C		12	14849542
trans-acting-o	-1.26108152	9.52E-05	cg03128832	APOL5		22	36112902
trans-acting-o	-1.50817026	1.81E-05	cg00625425	ANKRD38		1	62785512
trans-acting-o	-1.08629845	6.71E-05	cg09571369	P2RY14		3	152479253
trans-acting-o	1.12100007	1.11E-05	cg03887534	BCL2L13		22	18121194
trans-acting-o	1.90067198	7.10E-05	cg05700681	CCL22		16	57392764
trans-acting-o	0.58173807	3.09E-06	cg03302287	PKP2		12	33049650
trans-acting-o	2.64252462	8.77E-05	cg16173067	SDCBP2		20	1309722
trans-acting-o	-0.98109275	2.70E-05	cg04985144	SPTBN2		11	66245214
trans-acting-o	-0.75827946	2.08E-05	cg01442481	RALY		20	32580856
trans-acting-o	1.46583602	7.36E-05	cg06912252	C9orf125		9	104248926
trans-acting-o	-0.69833221	4.16E-05	cg09060914	SELP		1	167866182
trans-acting-o	-0.70719341	1.74E-05	cg09559551	RSC1A1		1	15986245
trans-acting-o	0.49976123	6.21E-05	cg10796979	LMBRD1		6	70506998
trans-acting-o	-0.40641763	0.00010291	cg12378831	KIAA0853		13	46626792
trans-acting-o	0.20956453	8.83E-05	cg26553682	ZNF498		7	99214201
trans-acting-o	0.66930636	6.59E-05	cg01240931	APC		5	112074043
trans-acting-o	-0.99821973	1.06E-05	cg11754206	KCNB2		8	73448579
trans-acting-o	-0.40157344	2.97E-05	cg09409398	SF3B4		1	148166505
trans-acting-o	1.65100437	1.77E-05	cg11721194	SLAMF7		1	160709239
trans-acting-o	-1.08863876	1.03E-05	cg15869642	CBLN1		16	49326109
trans-acting-o	0.38595901	3.53E-05	cg24930915	RAB26		16	2199120
trans-acting-o	2.60414371	5.71E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	-1.01811415	1.74E-05	cg26709720	B3GALT5		21	41027960
trans-acting-o	0.84103609	6.36E-05	cg24384676	SLC25A21		14	37641964
trans-acting	-0.82178318	7.76E-05	cg01570885	FAM50B		6	3794271
trans-acting-o	-1.09313541	2.39E-05	cg02046532	DEFB129		20	155858
trans-acting-o	-0.40039395	8.98E-05	cg11256279	C7orf23		7	86849303
trans-acting-o	-1.28924804	1.65E-05	cg14372520	EDA2R	X		NA
trans-acting-o	-1.15357679	7.34E-05	cg25455753	C15orf32		15	93014970
trans-acting-o	1.20378017	3.68E-05	cg14782678	TMEM102		17	7280445
trans-acting-o	-0.87061091	5.99E-05	cg16473288	OR1N1		9	125290120
trans-acting-o	1.49966241	8.42E-05	cg20387341	FGF10		5	44389282
trans-acting-o	1.05414447	4.52E-05	cg20023231	HS3ST2		16	22825282
trans-acting	-0.23954568	1.57E-05	cg21038964	DPM3		1	155113214
trans-acting-o	-0.93042522	1.82E-05	cg24019851	SEMA3B		3	50314291
trans-acting-o	-0.85363841	3.95E-05	cg01294702	FOXJ1		17	74136978
trans-acting-o	1.76100904	9.48E-05	cg20253700	TSC2		16	2099508
trans-acting-o	-0.84949985	7.21E-06	cg24579667	GPD2		2	156988657
trans-acting-o	0.74232108	2.15E-05	cg04032566	NSUN3		3	95263136

trans-acting-o	1.42726233	9.20E-05	cg18987220	RAB32		6	146864247
trans-acting-o	-0.30488864	1.62E-05	cg26681081	CKAP1		19	36606109
trans-acting-o	-0.94527682	2.45E-05	cg08244028	MSH3		5	79949339
trans-acting-o	-1.49645589	4.59E-05	cg22637834	AKT3		1	244007281
trans-acting-o	0.93836863	2.99E-05	cg09212058	PRKD3		2	37396963
trans-acting-o	0.37539642	3.49E-05	cg19902569	AHNAK		11	62313929
trans-acting-o	1.30268276	5.37E-05	cg20557037	COBLL1		2	165698099
trans-acting-o	0.70149454	1.04E-05	cg06594008	MKL1		22	39363583
trans-acting-o	-1.06644658	6.83E-05	cg04087608	HSD3B2		1	119759492
trans-acting-o	-1.10248555	2.47E-05	cg26728886	C1orf118		1	78355113
trans-acting-o	-1.26581293	4.99E-05	cg04304130	HERV-FRD		6	11219880
trans-acting-o	0.99252157	3.81E-05	cg00603172	BOK		2	242146552
trans-acting-o	1.08934275	9.22E-05	cg24829483	C1QTNF7		4	15341641
trans-acting-o	1.69130059	1.47E-05	cg12402251	CALB1		8	91094811
trans-acting-o	-0.44595458	4.15E-05	cg22870280	BCL2L10		15	52404029
trans-acting-o	-1.24827754	1.65E-05	cg20267005	TYROBP		19	41091889
trans-acting-o	1.48241343	1.52E-05	cg00015770	GPR103		4	122521457
trans-acting-o	1.91634148	7.28E-05	cg12402251	CALB1		8	91094811
trans-acting-o	-1.70184174	1.28E-05	cg14437986	C6orf25		6	31691035
trans-acting-o	0.86044933	3.02E-05	cg23641267	LPXN		11	58343791
trans-acting-o	1.14425342	1.10E-05	cg06821120	RASSF1		3	50350463
trans-acting-o	0.93205426	0.00010422	cg26293512	TEPP		16	56567934
trans-acting-o	-0.86386488	9.07E-05	cg19531130	ANGPTL5		11	101786659
trans-acting-o	-1.42786357	9.43E-05	cg04099420	RIPK1		6	3076354
trans-acting-o	0.58132682	6.78E-06	cg03302287	PKP2		12	33049650
trans-acting-o	1.20330068	3.04E-05	cg00585790	LIMS1		2	108571277
trans-acting-o	-0.75397697	2.84E-05	cg18854045	FLJ33534		2	11271359
trans-acting-o	1.26930907	3.66E-05	cg08693325	LUZP4	X	NA	
trans-acting-o	-1.03590161	1.09E-05	cg19220825	AQP5		12	48640218
trans-acting-o	0.48436752	4.28E-06	cg23001650	B4GALT2		1	44444603
trans-acting-o	0.91549579	5.28E-05	cg18960218	SLC7A7		14	23285365
trans-acting-o	0.93612137	2.07E-05	cg02194878	EPHA8		1	22762865
trans-acting-o	-1.09505971	8.72E-05	cg03340878	OR2B6		6	27925166
trans-acting-o	0.97889888	1.52E-05	cg25214346	NR1I3		1	161207966
trans-acting-o	-0.90205521	7.58E-05	cg07621456	CCDC48		3	128749537
trans-acting-o	0.34742634	9.51E-06	cg05986149	BRIP1		17	59941055
trans-acting-o	1.41410957	1.97E-05	cg17592734	ZNF175		19	52074501
trans-acting-o	0.57213296	5.72E-05	cg08638395	XPR1		1	180601032
trans-acting-o	-0.75901878	2.51E-05	cg06619299	GMCL1L		5	177615005
trans-acting-o	1.06463092	7.72E-06	cg27091703	RAD54B		8	95487428
trans-acting-o	0.4545691	1.04E-05	cg02735133	DCTN5		16	23652915
trans-acting-o	-0.57084889	4.78E-05	cg04636194	PAGE4	X	NA	
trans-acting-o	0.48309323	7.51E-05	cg12247247	RPL23		17	37009861
trans-acting-o	0.40710157	8.99E-05	cg00761755	SLC43A2		17	1531579
trans-acting-o	0.89772959	6.76E-05	cg15814508	P2RY14		3	150996078
trans-acting-o	0.71101271	4.53E-05	cg00576250	ZNF663		20	44521172
trans-acting-o	1.86023086	3.65E-05	cg02599464	HIST1H4I		6	27215076
trans-acting-o	0.64034595	1.86E-05	cg00123035	RFX5		1	149586162
trans-acting-o	-0.94755803	1.81E-05	cg09747578	LRRC41		1	46769076
trans-acting-o	3.04813911	6.09E-06	cg14341579	IRS2		13	110438906



trans-acting-o	0.45828156	6.45E-05	cg07817698	DHODH		16	72042925
trans-acting-o	0.58245743	4.09E-06	cg03302287	PKP2		12	33049650
trans-acting-o	-0.678953	8.30E-05	cg07153965	ACRV1		11	125057297
trans-acting-o	-1.29686068	2.07E-05	cg14396117	MYR8		13	109248047
trans-acting	-2.47949239	2.32E-05	cg11394785	LTC4S		5	179221090
trans-acting-o	0.33331383	2.26E-05	cg03950654	ARRB2		17	4613328
trans-acting-o	-1.14859835	6.80E-06	cg02084087	TNFRSF25		1	6526049
trans-acting-o	1.98544455	9.47E-06	cg03382304	JAM2		21	25934047
trans-acting-o	0.8701498	2.90E-05	cg13665593	ZNF435		6	28092420
trans-acting-o	-1.66528508	1.89E-05	cg00117172	RUNX3		1	25255838
trans-acting-o	0.74595323	2.60E-05	cg04032566	NSUN3		3	95263136
trans-acting-o	1.40394176	5.27E-05	cg06132694	NDST3		4	118955172
trans-acting	-1.45094044	9.09E-05	cg01998785	AYTL1		16	54100210
trans-acting-o	1.86710376	7.39E-05	cg11134443	KYNU		2	143351788
trans-acting-o	-0.55499053	0.00010245	cg03740216	ICAM4		19	10258561
trans-acting-o	-0.35430489	1.72E-05	cg05482722	UTP14C		13	52598175
trans-acting-o	0.33734564	6.12E-05	cg01849789	ZC3H7B		22	41697279
trans-acting-o	0.73517901	5.12E-05	cg16449464	MAP1D		2	172572583
trans-acting-o	-0.37341573	6.42E-05	cg26869604	LRRC20		10	72142636
trans-acting-o	-1.61990256	2.99E-05	cg00117172	RUNX3		1	25255838
trans-acting-o	1.16018526	3.01E-05	cg00512279	SLC18A2		10	118990981
trans-acting-o	-0.98330879	3.28E-05	cg01615704	MALL		2	110873396
trans-acting-o	0.63441135	6.79E-06	cg04985144	SPTBN2		11	66245214
trans-acting-o	0.64578144	4.50E-05	cg13986130	PTGS2		1	186649330
trans-acting-o	-0.47999437	9.63E-05	cg17324128	RASSF4		10	45455500
trans-acting-o	1.15500286	2.57E-05	cg10557828	PLOD2		3	145879642
trans-acting-o	0.32147848	7.04E-05	cg13173909	UGCGL1		2	128848815
trans-acting-o	-0.76188692	5.53E-05	cg23571857	BIRC4BP		17	6658898
trans-acting-o	0.72474417	2.49E-05	cg12556325	C7orf29		7	149657664
trans-acting-o	1.14221142	6.18E-05	cg11944101	CD40LG	X		135558079
trans-acting-o	-0.59084446	9.31E-06	cg13083810	POU5F1		6	31139156
trans-acting-o	-0.86589508	5.66E-05	cg19399100	UGT2A1		4	70554284
trans-acting-o	0.47122348	0.00010553	cg20557567	RPS18		6	33347672
trans-acting-o	1.95440744	1.32E-05	cg02599464	HIST1H4I		6	27215076
trans-acting-o	1.393754	1.13E-05	cg21601405	CD40		20	44747006
trans-acting-o	-2.69973213	3.68E-05	cg06736444	SRRM2		16	2741794
trans-acting-o	-0.67488979	6.78E-05	cg13474734	FLJ43339		15	40630791
trans-acting-o	-0.21726336	1.46E-05	cg15972617	GM2A		5	150632662
trans-acting-o	0.84361995	2.05E-05	cg10731022	EIF4EBP3		5	139927252
trans-acting-o	0.88070263	0.00010024	cg27566805	USH2A		1	216596808
trans-acting-o	1.34781406	6.02E-05	cg08784110	MAS1		6	160328002
trans-acting-o	0.52319786	7.64E-06	cg26934034	SDSL		12	113861110
trans-acting-o	1.59825584	8.33E-05	cg04997967	KCNIP2		10	103603488
trans-acting-o	1.21697402	1.05E-05	cg10840864	PSMC5		17	61903314
trans-acting-o	1.39691217	1.22E-05	cg03365437	ALDH1A2		15	56145166
trans-acting-o	0.43895525	3.31E-05	cg24824266	SV2B		15	91643655
trans-acting-o	-1.94922091	3.96E-05	cg00536175	GATA1	X		48529968
trans-acting-o	1.06270545	4.08E-05	cg26912636	TMEPAI		20	55719797
trans-acting-o	1.09244522	4.10E-05	cg17191178	SHOX2		3	157824217
trans-acting	-1.25026082	5.19E-05	cg21652958	THBS2		6	169653961

trans-acting-o	-1.23316019	5.48E-05	cg15661409	C14orf105		14	57030729
trans-acting-o	-1.81991129	3.00E-05	cg22324153	SLC35D2		9	98186585
trans-acting-o	-1.06705349	1.96E-05	cg13669740	VSIG9		3	114012833
trans-acting-o	-1.27096361	3.02E-05	cg15661409	C14orf105		14	57030729
trans-acting-o	-0.81945544	9.93E-05	cg05125838	UCN2		3	48576589
trans-acting-o	-0.51349622	4.27E-05	cg07728874	CD3D		11	118213272
trans-acting-o	-0.69697344	1.69E-05	cg07664027	RPL13A		19	54681949
trans-acting-o	0.7406476	0.00010154	cg25140571	OXTR		3	8786437
trans-acting	1.31478764	4.16E-05	cg03874199	HOXD12		2	176964456
trans-acting-o	0.88584382	6.68E-05	cg19220825	AQP5		12	48640218
trans-acting-o	-0.6843031	5.02E-05	cg08823182	S100A5		1	153514482
trans-acting-o	-0.30270269	8.49E-05	cg13517968	UPK1A		19	36156284
trans-acting-o	1.06162164	5.98E-05	cg23973566	C6orf32		6	24877729
trans-acting-o	-0.81505239	7.60E-05	cg22705954	NROB1	X	NA	
trans-acting-o	-1.23589203	2.04E-05	cg03621001	RAB8A		19	16221719
trans-acting-o	-1.25771998	3.85E-05	cg23877385	GCNT3		15	59908652
trans-acting-o	-1.83679439	5.54E-05	cg11599505	C20orf102		20	35965510
trans-acting-o	-0.64069472	5.10E-05	cg06132342	KRTHB5		12	52761153
trans-acting-o	0.98268546	4.10E-05	cg01356829	IL12RB2		1	67772896
trans-acting-o	1.30336269	0.0001016	cg08995424	ATP5G2		12	52357158
trans-acting	-0.42101466	3.23E-05	cg20379012	C8orf36		8	126103681
trans-acting-o	1.10317778	4.85E-05	cg06602857	FOXF1		16	86542807
trans-acting-o	-0.58693248	1.21E-05	cg24759821	PAH		12	103311462
trans-acting-o	-0.83059837	7.39E-05	cg25690265	TMC5		16	19467942
trans-acting-o	-1.4107397	1.70E-05	cg12626411	PRG4		1	186265765
trans-acting-o	-1.10052771	4.51E-05	cg05418129	C9orf26		9	6232210
trans-acting-o	1.8965322	5.47E-06	cg02622316	ZNF96		6	28475389
trans-acting	0.49910935	1.88E-05	cg05588972	C1orf89		1	16563855
trans-acting-o	0.78405696	3.67E-05	cg12774845	ENTPD5		14	73556065
trans-acting-o	2.57344006	9.85E-06	cg13277939	CTAGE5		14	38804962
trans-acting-o	0.95296022	3.15E-05	cg17676574	UROC1		3	126237373
trans-acting-o	-2.19760741	0.00010443	cg01683883	CMTM2		16	65170554
trans-acting-o	-0.63143971	9.41E-05	cg23777956	CREB3L3		19	4153671
trans-acting-o	-0.36379692	7.16E-05	cg03099492	CYP26A1		10	94823204
trans-acting-o	-0.40279131	4.34E-05	cg21065990	TASP1		20	13619254
trans-acting-o	0.73048706	9.46E-05	cg19408398	FIP1L1		4	53938085
trans-acting-o	-0.18023307	9.05E-05	cg20966972	MYST3		8	42028620
trans-acting-o	0.95668222	1.52E-05	cg18602314	GFPT2		5	179780802
trans-acting-o	-0.71826937	9.91E-06	cg24278076	PLS1		3	142340931
trans-acting-o	-1.54654169	9.80E-06	cg13929328	FLJ46831		10	129535898
trans-acting-o	-1.05462429	6.00E-05	cg07892051	AKAP3		12	4755073
trans-acting-o	-1.81213062	4.35E-05	cg25889160	SERPINA5		14	95046342
trans-acting-o	-0.30945509	2.52E-05	cg13517968	UPK1A		19	36156284
trans-acting-o	0.73309267	6.64E-05	cg16449464	MAP1D		2	172572583
trans-acting-o	-1.61928855	2.82E-05	cg25979644	ATP8B1		18	53550001
trans-acting-o	0.81469983	2.82E-05	cg03811411	SGCD		5	155753616
trans-acting-o	-0.82002473	7.48E-05	cg10528989	BDKRB1		14	96722306
trans-acting-o	0.71408201	8.49E-06	cg06656924	ZNF76		6	35228319
trans-acting-o	1.20600475	4.15E-05	cg19784470	OR7C2		19	14913011
trans-acting-o	1.22972794	7.97E-05	cg24217877	FLJ44674		16	49378579

trans-acting-o	-0.29331376	8.13E-05	cg26265060	SON		21	33837811
trans-acting-o	0.81754934	3.85E-05	cg04587910	XLF		2	220025744
trans-acting-o	-0.85101129	2.70E-05	cg24447890	LMAN1L		15	75105144
trans-acting-o	-1.05188236	3.64E-05	cg08096010	SAG		2	234216562
trans-acting-o	1.54487752	5.05E-05	cg04254916	KRT5		12	52914047
trans-acting	1.80638306	2.28E-05	cg02431687	C9orf90		9	129868473
trans-acting-o	0.38274598	6.74E-05	cg09262269	LOX		5	121440328
trans-acting-o	0.43846641	3.58E-05	cg00405568	NMT1		17	43138965
trans-acting-o	0.44670528	2.78E-05	cg25215340	CDKN1C		11	2907127
trans-acting-o	1.47469679	6.69E-05	cg01733599	LIPC		15	56511143
trans-acting-o	-1.28728963	8.64E-05	cg12073779	CRYGD		2	208989469
trans-acting-o	-0.3875584	9.01E-06	cg00941229	ZA20D1		1	149982400
trans-acting-o	-1.23628743	2.03E-05	cg06874144	CAB39		2	231285117
trans-acting	-0.78235885	3.02E-05	cg20017995	SURF5		9	135205897
trans-acting	2.45791486	5.58E-05	cg26550234	SLC39A12		10	18239793
trans-acting-o	0.6291436	8.05E-05	cg06834875	KIAA1822		14	100111263
trans-acting-o	1.03847393	6.92E-05	cg01664666	PLD5		1	242687465
trans-acting-o	0.93931868	0.00010155	cg25488021	EPB41L2		6	131319140
trans-acting-o	-0.5995577	4.85E-05	cg14880655	MAP1LC3A		20	32597166
trans-acting-o	0.82534347	1.29E-05	cg12069042	PLXNB1		3	48466700
trans-acting-o	1.0462267	8.66E-05	cg11640565	STS	X		7147913
trans-acting-o	-0.67047138	4.50E-05	cg27523951	COG3		13	46038867
trans-acting-o	-1.03268437	1.20E-05	cg09419670	PSMD5		9	123605666
trans-acting-o	1.1120379	7.15E-05	cg12229387	GAST		17	39867328
trans-acting-o	1.75842721	5.33E-05	cg02599464	HIST1H4I		6	27215076
trans-acting-o	1.97178019	1.86E-05	cg13543096	GDPD3		16	30032901
trans-acting-o	0.88287793	1.33E-05	cg20789691	RLN1		9	5340039
trans-acting-o	-1.03651469	3.70E-05	cg03608577	OR12D3		6	29342679
trans-acting-o	1.471393	7.64E-05	cg07823755	UGT1A1		2	234333094
trans-acting-o	0.70273874	7.11E-05	cg13210534	HSPB2		11	111784328
trans-acting-o	-1.17362771	9.97E-05	cg16418329	NYD-SP26		4	71200751
trans-acting-o	1.92378793	9.43E-05	cg11500797	DLX5		7	96490059
trans-acting-o	1.38878815	3.02E-05	cg00660989	BTBD5		14	44502266
trans-acting-o	-0.74139738	1.85E-05	cg06619299	GMCL1L		5	177615005
trans-acting-o	-0.40382014	9.36E-05	cg01605517	AHCTF1		1	247081873
trans-acting-o	1.42652859	4.91E-05	cg08995424	ATP5G2		12	52357158
trans-acting-o	0.76745038	9.56E-05	cg15765694	PPP3R2		9	103397922
trans-acting-o	0.99027866	7.78E-05	cg26420196	GAS6		13	114566064
trans-acting-o	0.99441656	1.22E-05	cg05310071	PIGL		17	16120569
trans-acting-o	0.94088743	7.31E-05	cg00420929	PGPEP1		19	18451112
trans-acting-o	1.38037713	6.31E-05	cg24715735	HPN		19	40223243
trans-acting-o	-1.87011056	3.24E-05	cg00536175	GATA1	X		48529968
trans-acting-o	1.30216248	8.20E-05	cg07897701	ABP1		7	150549370
trans-acting-o	1.23112976	3.26E-05	cg04452095	SepIX		17	72827463
trans-acting-o	2.45328348	1.48E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	-1.1885693	2.97E-05	cg00364814	R3HDM2		12	55977722
trans-acting-o	0.9743133	4.53E-05	cg07642638	CHGB		20	5891786
trans-acting-o	-1.87567649	2.27E-05	cg14345676	HRH2		5	175109098
trans-acting-o	1.23872597	2.64E-05	cg08440425	LRRC51		11	71790735
trans-acting-o	1.92978505	1.99E-05	cg13543096	GDPD3		16	30032901

trans-acting-o	1.41377994	7.75E-06	cg24408511	C12orf51	12	112711543
trans-acting-o	-1.98278917	2.43E-05	cg05242523	KLK14	19	51588750
trans-acting-o	-2.82209484	3.74E-05	cg21790626	ZNF154	19	58220494
trans-acting-o	-1.09215207	2.88E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1	2	158403404
trans-acting-o	0.45210907	9.53E-05	cg13520327	KCNH6	17	61600957
trans-acting-o	0.89162782	3.41E-05	cg02582754	MAS1	6	160327345
trans-acting-o	-0.71533597	5.70E-05	cg20981615	TXK	4	47831037
trans-acting-o	-1.13136052	3.01E-05	cg17714030	HBQ1	16	229983
trans-acting-o	-0.54603196	0.00010355	cg11385473	IMMP1L	11	31487519
trans-acting-o	0.36036408	2.21E-05	cg03751813	ZNF585B	19	37701393
trans-acting	0.32133689	1.14E-05	cg16218424	CMAS	12	22198973
trans-acting-o	-0.9916782	2.35E-05	cg09119665	PNMA1	14	73251038
trans-acting-o	-0.88733134	6.55E-05	cg13144783	CCR1	3	46224799
trans-acting	-1.07856994	7.05E-05	cg02046532	DEFB129	20	155858
trans-acting-o	0.41357097	5.19E-05	cg18759110	HCFC2	12	104458784
trans-acting-o	0.65369984	5.44E-05	cg25685640	E2F8	11	19262412
trans-acting-o	1.5750138	9.12E-05	cg20584011	ZDHHC11	5	904422
trans-acting-o	0.62954656	8.91E-05	cg00534274	SLC7A11	4	139163341
trans-acting-o	-1.3591161	9.20E-05	cg09971811	CST7	20	24878099
trans-acting	-0.36401972	2.81E-05	cg20634573	ADRA2B	2	96781407
trans-acting-o	-0.57947009	1.01E-05	cg01103836	MYO9B	19	17212632
trans-acting-o	-0.3149637	2.50E-05	cg19222480	UBE2C	20	44441446
trans-acting-o	1.65252726	8.69E-05	cg02599464	HIST1H4I	6	27215076
trans-acting-o	-1.01290098	5.63E-05	cg25488021	EPB41L2	6	131319140
trans-acting-o	1.90944208	4.83E-05	cg07346310	RBM24	6	17282354
trans-acting-o	-0.53249619	2.89E-05	cg02888247	C6orf62	6	24719235
trans-acting-o	1.64963686	2.00E-05	cg06646021	RAB4A	1	227473143
trans-acting-o	0.46446067	3.37E-05	cg22555495	SNRPN	15	25201224
trans-acting-o	0.86549714	1.67E-05	cg16911220	KRTHB6	12	50981995
trans-acting-o	0.70657344	6.83E-05	cg07788138	DOCK4	7	111846435
trans-acting-o	0.8381612	1.50E-05	cg19771589	ZIM2	19	57349815
trans-acting-o	1.60173862	2.49E-05	cg14659547	RETNLB	3	108476126
trans-acting-o	0.46970037	8.95E-05	cg18247638	BIVM	13	102249367
trans-acting-o	0.46970037	8.95E-05	cg18247638	BIVM	13	102249367
trans-acting	-0.96236909	1.53E-05	cg00629217	LNK1	4	54120106
trans-acting-o	2.36718892	1.97E-05	cg03289872	ZNF667	19	56989102
trans-acting-o	-1.24351818	7.08E-05	cg13277939	CTAGE5	14	38804962
trans-acting-o	-0.37299964	2.41E-05	cg01457653	FBXL8	16	65750719
trans-acting-o	-1.20161048	6.08E-05	cg11614809	NDP	X	43717224
trans-acting-o	-1.13753138	5.94E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	0.16761927	6.49E-05	cg14780914	POLR3F	20	18395767
trans-acting-o	1.56760206	6.72E-05	cg05109049	EVI2B	17	26665459
trans-acting-o	-0.6247682	0.00010306	cg19776453	CEACAM1	19	43033801
trans-acting-o	-0.97746805	5.36E-05	cg26259363	DES	2	219990525
trans-acting-o	0.86748305	1.78E-05	cg16911220	KRTHB6	12	50981995
trans-acting-o	-1.46950989	1.44E-05	cg12232463	LONRF2	2	100926650
trans-acting-o	-0.48594351	0.00010588	cg13488557	C1orf63	1	25574588
trans-acting-o	1.53596574	1.01E-05	cg08090772	ADHFE1	8	67344640
trans-acting-o	2.03015261	7.91E-05	cg09083627	SLITRK5	13	88324597

trans-acting-o	-1.25731834	6.71E-05	cg12229387	GAST	17	39867328
trans-acting-o	0.76500319	0.00010479	cg06290096	PHLDB1	11	118475984
trans-acting-o	0.24626868	1.74E-05	cg20425293	MRPL42	12	93861147
trans-acting-o	1.66709749	6.12E-05	cg03101664	SNX15	11	64551186
trans-acting-o	-0.86157233	3.20E-05	cg22827524	FLJ43505	1	220977369
trans-acting-o	-1.29940877	6.06E-05	cg03742003	SLIT2	4	19864362
trans-acting-o	0.85833493	8.36E-05	cg16046376	PC	11	66721779
trans-acting-o	0.54153447	6.39E-05	cg25781202	RNF122	8	33543892
trans-acting-o	1.04087262	4.01E-05	cg12111714	ATP8A2	13	26043472
trans-acting-o	0.28467576	5.58E-05	cg15630759	SF3A1	22	30752524
trans-acting-o	-0.99100772	8.11E-05	cg27501458	SULT4A1	22	44258690
trans-acting-o	1.88758202	3.65E-05	cg00466249	MGC15523	17	79269884
trans-acting-o	1.93000856	2.52E-05	cg13543096	GDPD3	16	30032901
trans-acting-o	-1.28805917	9.99E-06	cg03621001	RAB8A	19	16221719
trans-acting-o	-1.19865694	2.38E-05	cg06084117	PLXNA4B	7	132334901
trans-acting-o	-0.24285196	3.83E-05	cg10338338	SLC2A3	12	7980198
trans-acting-o	0.99111614	1.31E-05	cg19612574	MAPK8	10	49608952
trans-acting-o	-0.15083757	5.61E-05	cg21918026	PRMT7	16	66902403
trans-acting-o	2.07463393	8.06E-05	cg19968631	GLRA3	4	175987367
trans-acting-o	-0.63241505	5.68E-05	cg01275830	C10orf95	10	104211749
trans-acting-o	0.88549898	3.55E-05	cg05125838	UCN2	3	48576589
trans-acting-o	-1.94204812	3.46E-05	cg15156844	DLGAP1	18	3870020
trans-acting-o	-0.40156315	1.42E-05	cg02282237	PRKCH	14	61788862
trans-acting-o	0.40906895	1.36E-05	cg07489134	HELLS	10	96305958
trans-acting-o	-0.6137286	7.75E-05	cg08009711	C21orf25	21	42219253
trans-acting-o	-1.17982045	2.77E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	-1.14931289	1.55E-05	cg19612574	MAPK8	10	49608952
trans-acting-o	0.84828513	4.09E-05	cg21233722	DOCK2	5	169064660
trans-acting-o	1.29307506	1.84E-05	cg08578641	DNAI1	9	34457440
trans-acting-o	0.31228875	5.24E-05	cg09622957	TSRC1	1	150521190
trans-acting-o	2.00476105	4.14E-05	cg11314684	AKT3	1	244006288
trans-acting-o	-0.75470665	3.07E-05	cg21418052	B3GTL	13	31773806
trans-acting-o	-2.48156889	1.24E-05	cg09133026	RPS6KL1	14	75388105
trans-acting-o	0.36103309	9.08E-05	cg00076645	DC-Ubp	5	171711562
trans-acting-o	-1.09215207	2.88E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	-1.13467173	9.74E-05	cg13262687	POU4F2	4	147559579
trans-acting-o	1.1836735	1.38E-05	cg11944101	CD40LG	X	135558079
trans-acting-o	-0.54628977	3.87E-05	cg23480499	METAP2	12	95867566
trans-acting-o	2.97101213	4.24E-05	cg07204803	ARL13B	3	95180921
trans-acting-o	-1.00874803	3.58E-05	cg01837574	TRAPPC1	17	7836610
trans-acting-o	0.31940738	4.54E-05	cg00076645	DC-Ubp	5	171711562
trans-acting-o	1.66823573	2.63E-05	cg26946769	MAPK4	18	48189538
trans-acting-o	-1.27260306	6.09E-05	cg02431687	C9orf90	9	129868473
trans-acting-o	-1.42707551	5.76E-05	cg05393484	OR6A2	11	6775042
trans-acting-o	0.67187395	2.07E-05	cg10217449	GNPDA2	4	44727930
trans-acting	-0.92390168	4.01E-05	cg01753375	DCTN1	2	74461108
trans-acting-o	0.77494641	5.31E-05	cg18244029	ABCD1	X	NA
trans-acting-o	1.4210267	2.71E-05	cg06840801	CHRNA3	8	42552719
trans-acting-o	1.22737276	4.61E-05	cg08145590	C3orf15	3	119422161
trans-acting-o	0.43768593	3.84E-05	cg10525488	FLJ39370	4	113285888

trans-acting-o	0.7164428	1.88E-05	cg00576250	ZNF663		20	44521172
trans-acting-o	1.06553779	4.78E-05	cg03887787	CTSW		11	65647532
trans-acting-o	-1.37478323	8.75E-05	cg09971811	CST7		20	24878099
trans-acting-o	-0.15329913	6.39E-05	cg21918026	PRMT7		16	66902403
trans-acting-o	-1.15158761	9.38E-05	cg03969797	MKRN3		15	21361757
trans-acting	-0.55164149	6.39E-05	cg15186584	C9orf24		9	34387651
trans-acting-o	-1.14946718	3.09E-05	cg20345446	OSBPL5		11	3186804
trans-acting-o	1.28096826	4.95E-05	cg27188703	FAIM2		12	48583848
trans-acting	-1.7200801	8.98E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	-1.30200673	1.39E-05	cg08769044	SSX3	X		48101052
trans-acting-o	0.73848166	7.52E-05	cg16449464	MAP1D		2	172572583
trans-acting-o	1.1140183	8.08E-05	cg15147435	FKBP11		12	49319453
trans-acting-o	0.37253684	2.42E-05	cg27553433	SPTLC2		14	78083305
trans-acting-o	-1.27214964	0.00010066	cg15661409	C14orf105		14	57030729
trans-acting-o	0.82899521	8.86E-05	cg21230435	OPN1SW		7	128203259
trans-acting-o	0.80812178	8.24E-05	cg00031162	TNFSF12-TNF		17	7394101
trans-acting-o	-2.13455864	0.00010219	cg14918082	KCNAB3		17	7833237
trans-acting-o	1.04514849	4.43E-05	cg06494770	KLHL13	X	NA	
trans-acting	0.78990306	2.79E-05	cg26984624	ANK1		8	41656079
trans-acting-o	1.01639538	4.46E-05	cg18636558	SLC15A2		3	121613703
trans-acting	-0.83605759	3.12E-05	cg01525376	LCK		1	32488799
trans-acting-o	1.82513742	7.24E-05	cg04590978	CCNJ		10	97802941
trans-acting-o	-1.6629181	8.07E-05	cg14672680	TNNI2		11	1859838
trans-acting-o	1.57018507	4.41E-05	cg21870884	GPR25		1	199109052
trans-acting-o	-1.91808287	6.24E-05	cg00573606	COL6A3		2	238322680
trans-acting-o	1.25354117	4.27E-05	cg17263089	SLC25A3		12	98986181
trans-acting-o	-0.42842738	6.14E-05	cg05475028	FAM44A		4	13629588
trans-acting-o	2.33526035	4.77E-05	cg03969797	MKRN3		15	21361757
trans-acting-o	0.87272891	1.12E-05	cg02238747	KIAA0690		10	99161279
trans-acting-o	1.11079255	8.16E-05	cg03969797	MKRN3		15	21361757
trans-acting-o	1.27040487	6.68E-05	cg06850526	MGC15523		17	79269886
trans-acting-o	1.36189838	9.58E-05	cg09643186	GPX2		14	65409452
trans-acting-o	0.78301501	5.32E-05	cg11896271	PANX2		22	50609327
trans-acting-o	-0.55059246	2.16E-05	cg05523085	MYO5A		15	52821854
trans-acting-o	0.93177604	4.12E-05	cg19928450	HOXC12		12	54348629
trans-acting-o	1.36381744	5.44E-05	cg17839611	GNGT2		17	47286802
trans-acting-o	-1.34274505	9.20E-05	cg16379513	TSSK3		1	32827150
trans-acting-o	0.32009664	5.21E-05	cg00076645	DC-UbP		5	171711562
trans-acting-o	0.32009664	5.21E-05	cg00076645	DC-UbP		5	171711562
trans-acting-o	0.80812178	8.24E-05	cg00031162	TNFSF12-TNF		17	7394101
trans-acting-o	-1.8169618	1.72E-05	cg03019000	TEX264		3	51704351
trans-acting-o	1.91929896	1.47E-05	cg21032583	LMLN		3	197685803
trans-acting-o	-0.80127317	9.73E-05	cg21312090	TRPS1		8	116681727
trans-acting-o	0.7745165	2.01E-05	cg12013321	GCLC		6	53410182
trans-acting-o	0.94697749	4.54E-05	cg01525376	LCK		1	32488799
trans-acting-o	-2.06663601	0.00010113	cg01295203	PRDM14		8	71146753
trans-acting-o	0.96281847	1.28E-05	cg25229172	CCDC38		12	96336121
trans-acting-o	1.35889756	8.05E-05	cg18277754	ALK		2	30144152
trans-acting-o	3.4523194	1.91E-05	cg17080277	PTPRB		12	71003576
trans-acting-o	0.70768851	3.63E-05	cg12556325	C7orf29		7	149657664

trans-acting-o	0.884711	1.17E-05	cg02238747	KIAA0690	10	99161279
trans-acting	-1.24776309	5.22E-05	cg09133026	RPS6KL1	14	75388105
trans-acting-o	0.73590545	5.78E-05	cg16907488	CCDC17	1	46090169
trans-acting-o	1.49182185	1.93E-05	cg20322862	TGIF	18	3412088
trans-acting-o	0.566613	2.25E-05	cg05038209	MAP1LC3B	16	87426147
trans-acting-o	0.37118115	8.73E-05	cg14613972	ATG10	5	81267578
trans-acting-o	2.08390416	3.50E-05	cg02599464	HIST1H4I	6	27215076
trans-acting-o	0.52842513	2.09E-05	cg23430664	XYLT2	17	48423021
trans-acting-o	0.50905739	9.13E-05	cg00261781	MATN3	2	20075998
trans-acting-o	1.49189145	8.33E-05	cg13015534	ST6GALNAC1	17	74639793
trans-acting-o	-1.01912139	3.13E-05	cg16107172	SLC27A5	19	59023222
trans-acting-o	-0.36502552	1.46E-05	cg03099492	CYP26A1	10	94823204
trans-acting-o	0.68985345	5.91E-05	cg11191337	PLTP	20	44541804
trans-acting-o	0.37704427	9.08E-05	cg10609615	TRAP1	16	3766942
trans-acting	1.24957451	5.21E-05	cg27204739	ANKRD5	20	10015783
trans-acting-o	-0.72646951	3.23E-05	cg03234661	SLC10A1	14	70265290
trans-acting-o	-1.43085021	2.39E-05	cg21991396	CIAS1	1	247581417
trans-acting-o	-0.6692762	2.37E-05	cg01457653	FBXL8	16	67193218
trans-acting-o	1.86916448	4.53E-05	cg24454579	BIRC8	19	53794794
trans-acting-o	1.93435922	0.0001067	cg00969446	CENTA1	7	994666
trans-acting-o	-1.1863625	0.00010172	cg15888522	XCR1	3	46043936
trans-acting-o	1.63176627	4.02E-05	cg14659547	RETNLB	3	108476126
trans-acting-o	-0.69865886	2.30E-05	cg15903837	P2RY6	11	72974996
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1	2	158403404
trans-acting-o	0.94310128	5.68E-05	cg06539449	CCND1	11	69461008
trans-acting-o	0.92310118	8.80E-05	cg09119665	PNMA1	14	74181285
trans-acting-o	-0.98494205	1.95E-05	cg01789267	SLC28A2	15	43332403
trans-acting-o	-1.84096805	2.01E-05	cg04491443	PDILT	16	20415966
trans-acting-o	-1.32317565	5.47E-05	cg17399166	CD1D	1	156416419
trans-acting-o	-1.72154038	1.44E-05	cg03426225	FAM38B	18	10697032
trans-acting-o	-0.52589917	3.43E-05	cg10240083	LOC92017	16	12515883
trans-acting-o	-0.9268912	5.27E-05	cg11128808	CACNG6	19	54495970
trans-acting-o	-0.75723745	4.56E-05	cg10345936	SLC36A2	5	150727812
trans-acting	-0.60542399	2.18E-05	cg13948784	MGC11332	2	102719524
trans-acting-o	1.06092477	1.26E-05	cg12621514	DKK1	10	54073047
trans-acting-o	0.96737004	6.77E-05	cg19815376	FLJ34503	6	114225306
trans-acting-o	0.78678165	9.24E-05	cg22957381	KCND3	1	112532078
trans-acting-o	-1.23394963	0.00010452	cg04058675	HUWE1	X	53697504
trans-acting-o	1.05003702	3.80E-05	cg07506795	ZNF19	16	71523560
trans-acting-o	-0.92520857	9.72E-05	cg11075556	ANKRD7	7	117865112
trans-acting-o	1.17159715	3.23E-05	cg01355739	GNAS	20	57416888
trans-acting-o	-1.1885693	2.97E-05	cg00364814	R3HDM2	12	55977722
trans-acting-o	-1.31680538	1.16E-05	cg05245861	C18orf34	18	31020511
trans-acting-o	-1.05161345	3.28E-05	cg12514506	OSBPL5	11	3121286
trans-acting-o	-1.96666063	6.42E-05	cg09053680	UTF1	10	135044114
trans-acting-o	1.57741504	4.05E-05	cg16098981	C20orf39	20	24449865
trans-acting	0.57819372	6.55E-05	cg04330084	FLJ35834	7	123175371
trans-acting-o	2.60414371	5.71E-05	cg09499849	ACVR1	2	158403404
trans-acting-o	0.58863979	1.45E-05	cg00215066	MYO9B	19	17073316
trans-acting-o	-0.7538513	5.73E-05	cg22484980	TPCN2	11	68815449

trans-acting-o	0.51483381	3.27E-05	cg08367838	YIPF5	5	143529979
trans-acting-o	1.52576882	6.66E-05	cg05440289	IVL	1	152881119
trans-acting-o	-0.62944439	2.40E-05	cg21769969	OSTM1	6	108396498
trans-acting-o	-0.64441031	8.85E-05	cg06290168	C12orf24	12	110907010
trans-acting-o	3.30625983	1.91E-05	cg05109049	EVI2B	17	26665459
trans-acting-o	3.30625983	1.91E-05	cg05109049	EVI2B	17	26665459
trans-acting-o	-1.75649504	7.82E-05	cg08471713	MEOX1	17	41738893
trans-acting-o	1.33945383	7.35E-05	cg01733599	LIPC	15	56511143
trans-acting-o	0.53558711	3.32E-05	cg06251489	STIM2	4	26471081
trans-acting-o	-1.64046915	6.44E-05	cg25178645	RUNX3	1	25228687
trans-acting-o	0.24874608	6.76E-05	cg23538854	IL7	8	79717627
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1	6	31938708
trans-acting-o	0.40622292	2.04E-05	cg07489134	HELLS	10	96305958
trans-acting-o	-0.61576208	9.56E-05	cg08837884	LRG1	19	4540782
trans-acting-o	1.28662885	2.53E-05	cg08578641	DNAI1	9	34457440
trans-acting-o	0.35523938	4.96E-05	cg27366669	SH3YL1	2	255069
trans-acting-o	0.52223224	2.19E-05	cg04156850	GRB2	17	73402572
trans-acting-o	1.13660617	1.99E-05	cg10968815	BPIL1	20	31595346
trans-acting-o	-0.72774226	0.00010491	cg16046376	PC	11	66721779
trans-acting-o	0.54671692	6.67E-05	cg16803817	TMEM50B	21	34851621
trans-acting-o	0.42997975	9.48E-05	cg26426582	TRIM60	4	165953193
trans-acting-o	0.82572136	6.73E-05	cg11928198	SCNM1	1	151137319
trans-acting-o	-0.87496072	5.03E-05	cg24899750	SNRPB2	20	16710314
trans-acting-o	0.69441347	4.54E-05	cg01316819	PPP1R1A	12	53268548
trans-acting-o	1.8772157	4.68E-05	cg15746620	EMR3	19	14785849
trans-acting-o	-1.03135754	6.38E-05	cg09382492	AANAT	17	74463681
trans-acting	-0.3494736	7.41E-05	cg20755353	SSU72	1	1510883
trans-acting-o	-0.62098458	0.0001002	cg23036025	SLC27A5	19	63715728
trans-acting-o	0.91781863	5.21E-05	cg19928450	HOXC12	12	54348629
trans-acting-o	-1.56391915	6.83E-05	cg05382123	CSMD2	1	34632585
trans-acting-o	-0.67050101	3.52E-05	cg08983259	INSL5	1	67267855
trans-acting-o	-0.34748407	9.60E-05	cg19250891	ATP1A4	1	160121412
trans-acting-o	-0.42964271	4.42E-05	cg12962021	LIN9	1	226497619
trans-acting-o	-0.59690645	3.86E-05	cg14914852	ZBPB2	17	35278323
trans-acting-o	-0.84740294	1.93E-05	cg12836863	BRCA2	13	32889023
trans-acting-o	0.34695566	4.05E-05	cg13605579	ALPP	2	232950574
trans-acting-o	0.98494133	5.06E-05	cg03887534	BCL2L13	22	18121194
trans-acting-o	-1.08801818	2.71E-05	cg11134443	KYNU	2	143351788
trans-acting-o	0.52070691	6.08E-05	cg05669210	SLC12A9	7	100450634
trans-acting-o	0.33606522	5.65E-05	cg15630759	SF3A1	22	30752524
trans-acting-o	1.07177246	3.74E-05	cg24747122	GNA13	17	63053929
trans-acting-o	-0.79976174	7.23E-05	cg04080057	CACNG6	19	59186995
trans-acting-o	1.56760206	6.72E-05	cg05109049	EVI2B	17	26665459
trans-acting-o	0.58863979	1.45E-05	cg00215066	MYO9B	19	17073316
trans-acting-o	0.75359013	7.16E-05	cg06534422	MIF	22	24236603
trans-acting-o	0.47111031	3.67E-05	cg20278498	RPUSD4	11	126081648
trans-acting-o	-0.43353916	1.20E-05	cg13467649	CCDC25	8	27630342
trans-acting-o	0.91601117	3.62E-05	cg17452257	KIAA0753	17	6545439
trans-acting-o	1.84662466	3.00E-05	cg21032583	LMLN	3	197685803
trans-acting-o	-0.80886308	0.00010279	cg15619125	MAMDC4	9	139747228



trans-acting-o	0.74302018	7.94E-05	cg08251399	EHD3		2	31457608
trans-acting-o	-1.04391442	3.86E-05	cg12514506	OSBPL5		11	3121286
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1		6	31938708
trans-acting-o	0.69578123	5.25E-05	cg25372693	B4GALT4		3	118959985
trans-acting-o	1.80754586	3.13E-05	cg07717632	FLJ20245		9	140172631
trans-acting-o	-1.19805454	6.43E-05	cg14871544	DSG3		18	27281883
trans-acting-o	0.85810147	7.94E-05	cg14519350	OSM		22	28991949
trans-acting-o	-0.85526444	5.48E-05	cg27600136	RASL11A		13	26742156
trans-acting-o	0.93696995	6.00E-05	cg16188243	SGTA		19	2783719
trans-acting-o	1.71847635	2.05E-05	cg27504117	ANKMY1		2	241497663
trans-acting-o	-0.68333536	4.00E-05	cg25283297	GNAS		20	56864311
trans-acting-o	-1.05822894	0.00010545	cg01107031	TGFB1		19	46550999
trans-acting-o	-2.15808696	1.59E-05	cg06791102	ARHGAP4	X	NA	
trans-acting-o	0.66005002	0.00010723	cg11472424	PFKFB1	X	NA	
trans-acting-o	1.78185982	5.04E-05	cg13543096	GDPD3		16	30032901
trans-acting-o	-1.68225525	7.95E-05	cg15777781	CUGBP2		10	11047271
trans-acting-o	1.61427222	6.27E-05	cg05373457	KCNS2		8	99509124
trans-acting-o	0.73379658	4.72E-05	cg19001226	HOXD1		2	177053345
trans-acting-o	-1.91703577	3.46E-05	cg17861230	PDE4C		19	18204901
trans-acting-o	-0.68175037	6.67E-05	cg03805442	ACCN1		17	28644807
trans-acting-o	0.97438969	9.68E-05	cg08670691	CCDC27		1	3668942
trans-acting-o	-0.38919824	8.40E-05	cg12017007	PHF12		17	27277572
trans-acting-o	-0.36259994	6.18E-05	cg15342384	HNRPH3		10	70091938
trans-acting-o	0.61416761	8.72E-05	cg21387302	RFX3		9	3526198
trans-acting-o	0.70363081	6.72E-05	cg21750887	CPA6		8	68658237
trans-acting-o	-1.94230235	3.00E-05	cg21023114	IFNA14		9	21241233
trans-acting-o	1.12318335	5.20E-05	cg06432655	CLIPR-59		19	36523405
trans-acting-o	-0.54215755	6.33E-05	cg00459975	HMBBOX1		8	28749099
trans-acting-o	1.02947497	8.63E-05	cg17142183	IL1R2		2	101974624
trans-acting-o	-0.82356373	1.26E-05	cg27176392	GNG7		19	2652259
trans-acting-o	1.03307646	4.91E-05	cg07607921	ZZEF1		17	3994323
trans-acting-o	0.48004972	5.38E-05	cg22688260	ZCSL2		3	16281813
trans-acting-o	0.74849815	7.08E-05	cg07639720	BNC1		15	83952875
trans-acting-o	-0.6218291	3.00E-05	cg19170321	CAPN3		15	42640316
trans-acting-o	-1.58571199	4.99E-05	cg26548883	CCL15		17	31354012
trans-acting-o	1.79818214	2.56E-05	cg06539804	CPXM		20	2781489
trans-acting-o	1.4104324	0.00010262	cg24774956	SH3KBP1	X	NA	
trans-acting-o	0.98096516	1.33E-05	cg04341806	LCP1		13	46757395
trans-acting-o	-0.81830676	3.81E-05	cg14436426	OPRL1		20	62182838
trans-acting-o	0.94751672	5.34E-05	cg13615963	CCR6		6	167536521
trans-acting-o	0.24354552	2.38E-05	cg02344238	FKSG44		11	64910353
trans-acting-o	1.3725802	9.22E-05	cg23855818	SLC41A2		12	103847526
trans-acting-o	0.93162099	7.36E-05	cg10694914	POU2AF1		11	111250431
trans-acting-o	0.72155212	1.21E-05	cg14758526	CASP5		11	104384893
trans-acting-o	1.38177242	7.30E-05	cg06132694	NDST3		4	118955172
trans-acting-o	0.69271679	5.41E-05	cg06161930	LOC126208		19	56633191
trans-acting-o	-0.60513753	2.17E-05	cg03860051	ACADSB		10	124758598
trans-acting-o	-1.57920676	2.47E-05	cg21070087	HECW1		7	43351538
trans-acting-o	0.9327273	5.18E-05	cg19928450	HOXC12		12	54348629
trans-acting-o	-1.38343784	4.50E-05	cg19478478	TRDN		6	123957927

trans-acting-o	0.86857502	3.27E-05	cg26822601	GNL3L	X	NA	
trans-acting-o	1.08784604	0.00010692	cg13448625	COL17A1		10	105845238
trans-acting-o	1.47469679	6.69E-05	cg01733599	LIPC		15	56511143
trans-acting-o	0.77956183	5.98E-05	cg18595258	HSPC196		11	61128572
trans-acting-o	-0.97036849	2.92E-05	cg01907837	RNF8		6	37429315
trans-acting-o	1.4429972	9.13E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	2.60414371	5.71E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	1.6860112	3.89E-05	cg07307078	TUBB6		18	12297630
trans-acting-o	-0.71125616	8.48E-05	cg07684796	DKK1		10	54074209
trans-acting-o	0.87881857	2.12E-05	cg10482024	AK3L1		1	65385630
trans-acting-o	-0.95335578	2.47E-05	cg13496066	CHST5		16	74138332
trans-acting-o	0.43825356	6.54E-05	cg23858360	TSPAN14		10	82213490
trans-acting-o	1.94302218	1.86E-05	cg19511844	ORMDL3		17	35337645
trans-acting-o	0.28460317	0.00010361	cg08290212	GNG3		11	62473659
trans-acting-o	1.92822066	8.62E-05	cg07752420	CDKN2A		9	21958681
trans-acting-o	0.5830903	7.09E-05	cg26420196	GAS6		13	114566064
trans-acting-o	-0.44896406	5.99E-05	cg19432894	DNAJA1		9	33025349
trans-acting-o	-1.08436485	4.75E-05	cg01353448	C7orf16		7	31693437
trans-acting-o	1.98837099	3.16E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	0.48658063	1.85E-05	cg12556325	C7orf29		7	149657664
trans-acting-o	0.80494102	7.90E-05	cg00745735	FLJ14437		10	69538866
trans-acting-o	0.77882888	4.02E-05	cg05380910	STOML3		13	39564046
trans-acting-o	0.50374054	7.27E-05	cg22638542	SEC22L3		3	42624573
trans-acting-o	0.50374054	7.27E-05	cg22638542	SEC22L3		3	42624573
trans-acting-o	-1.99930813	7.19E-05	cg09863066	PVALB		22	37214864
trans-acting-o	0.64987079	7.54E-05	cg08555612	PROK2		3	71834640
trans-acting-o	1.09205958	6.11E-05	cg19403023	TESSP1		16	2848797
trans-acting-o	0.88628939	0.00010035	cg03626672	CMKOR1		2	237143403
trans-acting-o	0.21548338	9.04E-05	cg26553682	ZNF498		7	99214201
trans-acting-o	-1.23772572	3.58E-05	cg03969797	MKRN3		15	21361757
trans-acting-o	-1.04682147	4.81E-05	cg03558807	TIGA1		5	111523880
trans-acting-o	0.45088281	8.82E-05	cg02856727	GH2		17	61959416
trans-acting-o	-0.60883328	2.74E-05	cg05251000	FREQ		9	131975485
trans-acting-o	1.13136052	4.96E-05	cg17714030	HBQ1		16	229983
trans-acting-o	1.13136052	4.96E-05	cg17714030	HBQ1		16	229983
trans-acting-o	2.10947682	9.34E-05	cg08657449	TM7SF4		8	105351661
trans-acting-o	-1.38375642	1.54E-05	cg08124030	TM4SF1		3	149095283
trans-acting-o	-1.38375642	1.54E-05	cg08124030	TM4SF1		3	149095283
trans-acting-o	1.23486126	7.47E-05	cg06327515	PCDHB14		5	140583445
trans-acting-o	2.0776223	2.54E-05	cg10861599	TNFSF4		1	173176523
trans-acting-o	-0.74584855	9.66E-05	cg20981615	TXK		4	47831037
trans-acting-o	-1.2276526	3.13E-05	cg19764555	AHNAK		11	62315119
trans-acting-o	1.42858733	6.51E-05	cg14377791	LOC400696		19	40169912
trans-acting-o	0.98149179	8.20E-05	cg08912400	CHRNA4		20	61993427
trans-acting-o	-0.87916113	6.80E-05	cg06917325	SLC22A8		11	62783123
trans-acting-o	1.09593162	7.03E-05	cg20858478	B4GALNT2		17	47210276
trans-acting-o	-1.54792013	9.14E-05	cg00579393	REG1B		2	79316004
trans-acting-o	-1.60249732	9.11E-05	cg09626984	GATA4		8	11603505
trans-acting-o	-0.49109867	6.11E-05	cg15619125	MAMDC4		9	139747228
trans-acting-o	-0.35277935	3.72E-05	cg20755353	SSU72		1	1510883

trans-acting-o	1.33945383	7.35E-05	cg01733599	LIPC		15	56511143
trans-acting-o	1.27580789	0.00010406	cg01169610	INPP4A		2	98501903
trans-acting-o	0.89153261	1.77E-05	cg08395706	ZNF646		16	30992002
trans-acting-o	-0.65020302	6.66E-05	cg12800028	GPR6		6	110300146
trans-acting-o	0.35902172	3.55E-05	cg16672449	RUVBL1		3	127842622
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	-0.96171742	5.94E-05	cg03608974	ZAK		2	173940268
trans-acting-o	0.97453032	6.78E-05	cg09809672	EDARADD		1	236557682
trans-acting-o	-1.17981833	2.38E-05	cg00180631	MTM1	X		149487298
trans-acting-o	0.95648249	7.70E-05	cg04459030	GHRH		20	35885149
trans-acting-o	1.98837099	3.16E-05	cg02622316	ZNF96		6	28475389
trans-acting-o	-0.86248841	2.29E-05	cg14494313	NAT2		8	18248453
trans-acting-o	-0.67571942	6.49E-05	cg08823182	S100A5		1	153514482
trans-acting-o	0.64954915	2.18E-05	cg25424525	OTUD4		4	146096030
trans-acting-o	1.42956263	5.49E-05	cg24774956	SH3KBP1	X		NA
trans-acting-o	1.37415911	6.63E-05	cg10784090	CLDN18		3	137717598
trans-acting-o	1.26535446	2.20E-05	cg00626466	GNS		12	63440249
trans-acting-o	1.84881282	0.00010526	cg02551396	JPH2		20	42249296
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	0.58762909	7.49E-05	cg10810921	CRLF1		19	18578641
trans-acting-o	-0.44402494	6.00E-05	cg13283942	C1orf77		1	153606541
trans-acting-o	-1.0052256	3.49E-05	cg01837574	TRAPPC1		17	7836610
trans-acting-o	-0.53436632	7.55E-05	cg01735903	POLR3D		8	22102669
trans-acting-o	1.29980361	1.94E-05	cg22994720	CHRD12		11	74441988
trans-acting	0.89394917	6.04E-05	cg06640279	FAIM3		1	205161776
trans-acting-o	-0.9373547	6.20E-05	cg17342283	PRG1		10	70517888
trans-acting-o	1.38347829	6.34E-05	cg01259619	ITPKB		1	226925702
trans-acting-o	0.22363996	9.03E-05	cg17259741	ZNF509		4	4291994
trans-acting-o	1.79283889	6.05E-05	cg00579393	REG1B		2	79169512
trans-acting-o	-0.97399784	3.35E-05	cg25866075	NALP12		19	54327780
trans-acting-o	-0.97399784	3.35E-05	cg25866075	NALP12		19	54327780
trans-acting-o	-0.93288232	9.63E-05	cg04201347	PRRG2		19	50086849
trans-acting-o	-1.06152407	6.64E-05	cg22931889	TUBB1		20	57594545
trans-acting-o	-0.45918275	8.03E-05	cg18022926	MAWBP		10	70093071
trans-acting-o	-0.79976174	7.23E-05	cg04080057	CACNG6		19	59186995
trans-acting-o	-0.51813723	7.83E-05	cg01819572	IL17RD		3	57179570
trans-acting-o	1.33826402	2.94E-05	cg08578641	DNAI1		9	34457440
trans-acting-o	-0.48811593	8.10E-05	cg23185657	TIMM10		11	57298081
trans-acting-o	0.19563116	1.00E-04	cg16862838	RCN2		15	77224587
trans-acting-o	-0.42830132	6.73E-05	cg15619125	MAMDC4		9	139747228
trans-acting-o	0.93281447	9.93E-05	cg06539449	CCND1		11	69461008
trans-acting-o	0.94777544	7.12E-05	cg13615963	CCR6		6	167536521
trans-acting-o	0.58607097	3.80E-05	cg01743370	GCA		2	162909221
trans-acting-o	-1.70291122	5.62E-05	cg09847584	RIMBP2		12	129568339
trans-acting-o	0.78222781	2.65E-05	cg24038764	CXorf42	X		NA
trans-acting-o	-0.973061	7.13E-05	cg26363196	ST6GALNAC3		1	76540236
trans-acting-o	-1.04962389	6.04E-05	cg17452257	KIAA0753		17	6545439
trans-acting-o	0.8119638	7.19E-05	cg11201288	SFRS11		1	70669885
trans-acting-o	1.35295181	3.60E-05	cg06954481	GBX2		2	236741236
trans-acting-o	-1.93648667	4.11E-05	cg02622316	ZNF96		6	28475389

trans-acting-o	1.02749963	2.83E-05	cg04455999	FAM70A	X		119328866
trans-acting-o	-3.28984229	0.00010711	cg08108641	NTNG2		9	134031851
trans-acting-o	0.7775999	5.01E-05	cg11916186	THRAP3		1	36689760
trans-acting-o	-0.88884082	2.70E-05	cg25400358	GPR137		11	64054159
trans-acting-o	0.40025551	0.00010596	cg25215340	CDKN1C		11	2907127
trans-acting-o	1.57056647	9.60E-05	cg02599464	HIST1H4I		6	27215076
trans-acting-o	0.99537962	6.79E-05	cg17215680	SIGLEC10		19	51920976
trans-acting-o	0.81256297	8.14E-05	cg07924575	HPS4		22	26881231
trans-acting-o	-0.21861616	2.48E-05	cg26519339	TMEM39A		3	119182753
trans-acting-o	-1.47909504	6.90E-05	cg01568736	SERPINB7		18	59592710
trans-acting-o	-1.29827358	8.82E-05	cg18055007	DDAH2		6	31698226
trans-acting-o	1.29678395	4.57E-05	cg17939444	C8orf4		8	40010443
trans-acting-o	0.76834058	5.96E-05	cg19221959	PPP1R9A		7	94537347
trans-acting-o	-0.78719577	6.48E-05	cg14217157	WHSC2		4	1981675
trans-acting-o	0.32506534	7.56E-05	cg25251635	POP7		7	100303170
trans-acting-o	0.92331609	3.48E-05	cg10612997	GREB1		2	11673928
trans-acting	0.42596804	8.79E-05	cg17823320	C8orf35		8	19675140
trans-acting-o	0.71387869	7.98E-05	cg17626563	RS1	X		NA
trans-acting-o	-0.33265301	8.29E-05	cg17749520	ITGA2B		17	39822093
trans-acting-o	1.47616204	8.95E-05	cg17274742	GPNMB		7	23286539
trans-acting-o	-0.68938931	3.44E-05	cg09060914	SELP		1	167866182
trans-acting-o	-0.6238869	8.65E-05	cg04032566	NSUN3		3	95263136
trans-acting-o	-0.92002111	5.20E-05	cg24899750	SNRPB2		20	16710314
trans-acting-o	-0.44870695	5.57E-05	cg01275830	C10orf95		10	104211749
trans-acting-o	-1.32984619	4.14E-05	cg04737046	ABCB4		7	87109370
trans-acting-o	0.37078374	7.33E-05	cg21374864	TOR1A		9	132586569
trans-acting-o	-1.04586122	7.16E-05	cg03221914	HIST1H2AJ		6	27891310
trans-acting-o	0.70262382	6.16E-05	cg10158711	PDIA4		7	148725822
trans-acting-o	-0.58640249	6.29E-05	cg01275830	C10orf95		10	104211749
trans-acting-o	0.30641738	0.00010488	cg08290212	GNG3		11	62473659
trans-acting-o	-2.36810335	2.61E-05	cg25226014	CXCR6		3	45984942
trans-acting-o	-1.29942757	2.40E-05	cg18138484	CABP2		11	67291026
trans-acting-o	-2.47724993	5.03E-05	cg01135626	CDX4	X		72583820
trans-acting-o	1.11079255	8.16E-05	cg03969797	MKRN3		15	21361757
trans-acting-o	1.39990942	5.90E-05	cg00747849	SLC25A1		22	19165386
trans-acting-o	0.91699154	6.73E-05	cg19928450	HOXC12		12	54348629
trans-acting-o	-1.4305325	4.22E-05	cg27100123	SERPINB8		18	61636779
trans-acting-o	-0.89701948	7.83E-05	cg24899750	SNRPB2		20	16710314
trans-acting-o	1.63553969	7.78E-05	cg08527127	C1orf94		1	34643941
trans-acting-o	-1.52446279	8.31E-05	cg06643227	C9orf84		9	113597060
trans-acting-o	-0.49624921	9.88E-05	cg27005053	CFDP1		16	75467374
trans-acting-o	1.36490359	2.18E-05	cg04563996	SPATA12		3	57093519
trans-acting-o	-1.08940268	5.40E-05	cg03742003	SLIT2		4	20255264
trans-acting-o	0.20394372	9.61E-05	cg14596431	B3GNTL1		17	78603287
trans-acting-o	0.18879713	6.90E-05	cg14439353	EEF1E1		6	8102781
trans-acting-o	0.99219432	2.58E-05	cg05310071	PIGL		17	16120569
trans-acting-o	0.9548015	4.02E-05	cg05010623	ACVR1C		2	158485762
trans-acting-o	1.37849218	9.92E-05	cg02008154	TBX20		7	35293537
trans-acting-o	-0.55337191	2.66E-05	cg24693368	KCNJ3		2	155554844
trans-acting-o	0.60175303	6.00E-05	cg11540997	DUOX2		15	43195110

trans-acting	1.56332782	6.56E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	-0.95399425	6.64E-05	cg11360149	OR2V2		5	180581315
trans-acting-o	0.76401471	9.45E-05	cg22545356	MMRN2		10	88716659
trans-acting-o	0.44818984	3.64E-05	cg06066711	KLHL21		1	6662645
trans-acting	-0.67679594	6.91E-05	cg16078836	MAP3K13		3	185081374
trans-acting-o	1.05143426	9.96E-05	cg03365354	MCAM		11	118692601
trans-acting-o	1.16419626	7.00E-05	cg00585790	LIMS1		2	108571277
trans-acting-o	-0.5384276	0.00010066	cg20641660	C11orf30		11	75833135
trans-acting-o	-1.02240601	8.12E-05	cg03840259	GRAP2		22	40297036
trans-acting-o	-1.37101633	5.12E-05	cg20587336	ARMC1		8	66546482
trans-acting-o	0.30153485	2.96E-05	cg23260799	PTDSS2		11	441101
trans-acting-o	-1.44165322	5.15E-05	cg18986165	SIGLEC12		19	52005990
trans-acting-o	0.42732822	4.59E-05	cg10912077	LMO4		1	87566663
trans-acting-o	3.56397283	6.08E-05	cg21604803	CPT1C		19	54886474
trans-acting-o	0.95423488	6.82E-05	cg18239702	NHS	X	NA	
trans-acting-o	0.41545893	4.00E-05	cg04284814	C5orf16		5	141016114
trans-acting-o	0.65607224	2.86E-05	cg16268051	CDC42		1	22379390
trans-acting-o	-0.95162498	6.84E-05	cg11360149	OR2V2		5	180581315
trans-acting-o	1.06261341	9.01E-05	cg03775422	MGC33530		7	54610192
trans-acting-o	-0.71947101	6.04E-05	cg00943909	GNAS		20	57427942
trans-acting-o	-1.67066317	6.98E-05	cg01796228	LIFR		5	38631977
trans-acting	0.7989534	8.24E-05	cg01525376	LCK		1	32488799
trans-acting-o	-1.47706693	9.09E-05	cg24650394	PLEKHH2		2	43863435
trans-acting-o	1.13551144	8.07E-05	cg04653021	DIRC2		3	122514541
trans-acting-o	-2.04357441	7.10E-05	cg04482110	TMEM106A		17	38719647
trans-acting-o	1.28720652	8.32E-05	cg00660989	BTBD5		14	44502266
trans-acting-o	-1.96477261	5.69E-05	cg06539804	CPXM		20	2781489
trans-acting-o	1.44214205	7.55E-05	cg27416067	IL12RB2		1	67773128
trans-acting-o	0.74497885	4.28E-05	cg14611112	LCN6		9	139643351
trans-acting-o	-1.10268026	5.86E-05	cg25979644	ATP8B1		18	53550001
trans-acting-o	0.23198998	6.40E-05	cg02344238	FKSG44		11	64910353
trans-acting-o	1.31974589	5.97E-05	cg21968796	C21orf70		21	46358532
trans-acting-o	0.93473398	9.37E-05	cg13615963	CCR6		6	167536521
trans-acting-o	-1.1059934	7.64E-05	cg22933847	MRGPRF		11	68536712
trans-acting-o	-0.7568494	6.64E-05	cg08096010	SAG		2	234216562
trans-acting-o	-1.18682749	3.46E-05	cg05256043	DCT		13	95131951
trans-acting-o	0.50672527	0.00010029	cg00630164	KCNQ4		1	41250062
trans-acting-o	1.9374927	3.89E-05	cg00230685	SCML1	X	NA	
trans-acting-o	0.56251777	3.32E-05	cg01654582	AADAT		4	171011577
trans-acting-o	-0.6314675	6.03E-05	cg21769969	OSTM1		6	108396498
trans-acting-o	-0.21447353	9.45E-05	cg14439353	EEF1E1		6	8102781
trans-acting-o	2.00380484	7.94E-05	cg05795313	ZNF641		12	47031403
trans-acting-o	-1.12187614	0.0001056	cg03128832	APOL5		22	36112902
trans-acting-o	-0.45549029	5.21E-05	cg17960516	FLJ33718		4	3465004
trans-acting-o	-0.87296007	3.97E-05	cg13525683	TIAF1		17	27401991
trans-acting-o	0.33418453	9.57E-05	cg04703844	RDH10		8	74369751
trans-acting-o	0.6067868	6.63E-05	cg08761447	PARP11		12	3982140
trans-acting-o	-0.84183306	3.95E-05	cg24059075	PRPH		12	49688316
trans-acting-o	0.28342148	6.11E-05	cg14481222	BIRC3		11	102187974
trans-acting	0.79174927	0.0001059	cg13997435	S100A2		1	153538406

trans-acting-o	-0.54073981	7.76E-05	cg13920529	AQP7	9	33392426
trans-acting-o	-0.86242487	7.92E-05	cg24899750	SNRPB2	20	16710314
trans-acting-o	1.06908812	9.37E-05	cg21613754	PNKD	2	219133847
trans-acting-o	2.07082936	8.39E-05	cg04482110	TMEM106A	17	38719647
trans-acting-o	2.07082936	8.39E-05	cg04482110	TMEM106A	17	38719647
trans-acting	1.02416526	4.40E-05	cg15736336	PLCZ1	12	18891214
trans-acting-o	0.24790122	4.34E-05	cg25682936	SF3A3	1	38228355
trans-acting-o	-2.5342473	8.50E-05	cg09863066	PVALB	22	37214864
trans-acting-o	0.79229258	5.76E-05	cg02005755	SLC13A4	7	135412849
trans-acting-o	0.38153927	4.83E-05	cg12628956	LOC317671	5	94982685
trans-acting-o	1.37267307	8.66E-05	cg06980460	FOLH1	11	49230548
trans-acting-o	0.39803535	7.80E-05	cg00231920	VPS16	20	2821308
trans-acting-o	-1.22107314	9.04E-05	cg05259765	PSCD4	22	36007190
trans-acting-o	-1.22107314	9.04E-05	cg05259765	PSCD4	22	36007190
trans-acting-o	-1.41646461	7.60E-05	cg17571291	BLVRA	7	43797787
trans-acting-o	-1.05221389	5.89E-05	cg00819362	CLIPR-59	19	41216048
trans-acting-o	0.72155104	5.08E-05	cg04065065	PIGO	9	35096250
trans-acting-o	-0.67988545	3.53E-05	cg06459378	CYP3A7	7	99333757
trans-acting	1.01941146	5.53E-05	cg19096540	MGC13017	5	133748191
trans-acting-o	-1.00810478	9.04E-05	cg08096010	SAG	2	234216562
trans-acting-o	1.83650035	4.63E-05	cg19968631	GLRA3	4	175750792
trans-acting-o	-1.54961207	0.00010003	cg20469837	GALNT5	2	158114300
trans-acting-o	-1.25443622	3.86E-05	cg05056120	EBF	5	158527702
trans-acting-o	0.89932027	6.48E-05	cg00261781	MATN3	2	20075998
trans-acting-o	0.81101142	7.27E-05	cg25682559	FHOD3	18	33877021
trans-acting-o	1.81483934	9.98E-05	cg01354473	HOXA9	7	27204803
trans-acting-o	2.98462673	8.83E-05	cg20312687	DEFB118	20	29956585
trans-acting-o	0.73859824	7.43E-05	cg06059810	RUFY3	4	71587722
trans-acting-o	0.60821767	8.38E-05	cg13730534	NFYC	1	41157553
trans-acting-o	-1.08790196	6.29E-05	cg06531741	HTR3B	11	113775450
trans-acting-o	0.26855428	7.84E-05	cg07048066	C5orf5	5	137368956
trans-acting-o	-0.52589156	8.12E-05	cg27657283	LEPRE1	1	43233523
trans-acting-o	0.88448045	5.68E-05	cg03805442	ACCN1	17	31620694
trans-acting-o	0.74671348	4.87E-05	cg09017174	SLC1A2	11	35440525
trans-acting-o	0.80215432	7.75E-05	cg19383689	WSB1	17	25621092
trans-acting-o	-0.93459661	5.50E-05	cg05119218	HK3	5	176327557
trans-acting-o	0.27651733	4.82E-05	cg11065518	MDH1B	2	207338508
trans-acting-o	0.95280012	7.46E-05	cg08516400	C14orf166	14	52455762
trans-acting-o	-0.97613549	9.91E-05	cg05163057	LSM7	19	2329403
trans-acting-o	-1.06944861	7.30E-05	cg03742003	SLIT2	4	20255264
trans-acting-o	1.62736443	9.28E-05	cg20267005	TYROBP	19	41091889
trans-acting-o	-1.11419974	5.37E-05	cg10377274	PATE	11	125616888
trans-acting-o	-0.39035796	3.79E-05	cg13510327	NEU1	6	31938708
trans-acting-o	0.65598858	7.92E-05	cg06041363	FLJ20699	22	45042082
trans-acting-o	-1.39797229	8.20E-05	cg06457357	KLF8	X	56275968
trans-acting-o	1.87816354	3.78E-05	cg02026235	RHBDL1	16	665863
trans-acting-o	1.08456029	6.86E-05	cg25307902	SNAP25	20	10199210
trans-acting-o	0.39738852	8.33E-05	cg12628956	LOC317671	5	94982685
trans-acting-o	-0.61943556	9.09E-05	cg25717844	GAL3ST4	7	99765818
trans-acting-o	1.16869014	6.42E-05	cg20624391	BVES	6	105690842

trans-acting-o	1.17801731	3.45E-05	cg07476030	RTN4IP1		6	107185341
trans-acting-o	0.72881164	5.33E-05	cg08531821	C9orf156		9	100685127
trans-acting-o	1.26105983	9.96E-05	cg07295678	DPYSL4		10	133849999
trans-acting-o	0.83390752	3.58E-05	cg04353769	MS4A6A		11	59708133
trans-acting-o	0.37368412	0.00010596	cg12378831	KIAA0853		13	46626792
trans-acting-o	0.99195581	8.08E-05	cg00240312	CDH1		16	67329015
trans-acting-o	1.65403226	5.73E-05	cg09499849	ACVR1		2	158403404
trans-acting-o	0.45552984	5.82E-05	cg06491116	LOC196264		11	118122715
trans-acting	-0.59876376	9.15E-05	cg16078836	MAP3K13		3	185081374
trans-acting-o	2.31580312	9.08E-05	cg18368125	TMED6		16	69385827
trans-acting-o	1.50062408	7.56E-05	cg26408003	C14orf94		14	23427086
trans-acting-o	-0.41862952	4.02E-05	cg16728114	C1orf66		1	156697793
trans-acting-o	0.78611091	9.89E-05	cg26293512	TEPP		16	56567934
trans-acting-o	1.52935395	5.25E-05	cg07654934	LXN		3	159873023
trans-acting-o	-1.22767752	9.72E-05	cg20998885	C20orf79		20	18794833
trans-acting-o	-1.49942719	0.00010021	cg15741706	CXorf48	X	NA	
trans-acting-o	1.56702419	6.54E-05	cg18450227	MAPK4		18	48190637
trans-acting-o	-0.97766494	8.62E-05	cg01169624	SGCE		7	94286936
trans-acting-o	-0.67696706	0.00010345	cg07617246	NOPE		15	65715951
trans-acting-o	1.54742381	7.64E-05	cg12491710	LIM2		19	51891526
trans-acting-o	-0.99724345	4.50E-05	cg06392589	FNDC6		3	136676846
trans-acting-o	-1.68940481	9.41E-05	cg02431687	C9orf90		9	129868473
trans-acting-o	1.04179554	4.01E-05	cg18908499	C1orf150		1	245778860
trans-acting-o	1.68418191	9.84E-05	cg00328227	C1orf59		1	109005848
trans-acting-o	1.68418191	9.84E-05	cg00328227	C1orf59		1	109005848
trans-acting-o	-0.76649492	9.73E-05	cg17204557	FLJ14816		2	121223909
trans-acting-o	1.05073684	8.88E-05	cg10106284	FAM49A		2	16847988
trans-acting-o	2.06262803	3.28E-05	cg14782678	TMEM102		17	7280445
trans-acting-o	-0.66999567	7.92E-05	cg15156078	RASGRF1		15	77170468
trans-acting	-0.75703442	9.04E-05	cg06507244	DHX32		10	127559484
trans-acting-o	-0.42379983	4.90E-05	cg26426582	TRIM60		4	165953193
trans-acting-o	-0.32422651	7.29E-05	cg01880404	XRCC1		19	48771367
trans-acting-o	1.68418191	9.84E-05	cg00328227	C1orf59		1	109005848
trans-acting-o	0.40425688	0.00010336	cg06722792	PDE9A		21	44073919
trans-acting-o	-1.23017121	6.68E-05	cg08693325	LUZP4	X		114430074
trans-acting	1.56332782	6.56E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	0.97633772	8.90E-05	cg08912400	CHRNA4		20	61993427
trans-acting-o	-0.84254024	5.89E-05	cg06539449	CCND1		11	69461008
trans-acting	1.58048346	8.58E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	-0.5407509	9.50E-05	cg14261309	C1orf163		1	53164287
trans-acting-o	1.69396615	6.52E-05	cg00234616	TLX2		2	74594080
trans-acting-o	-1.07489409	6.33E-05	cg25889160	SERPINA5		14	95046342
trans-acting	2.02916588	5.67E-05	cg07693270	RPL39L		3	186856928
trans-acting-o	0.72566027	6.35E-05	cg04065065	PIGO		9	35096250
trans-acting-o	-1.03391406	7.78E-05	cg09419670	PSMD5		9	123605666
trans-acting-o	-0.72353373	9.98E-05	cg03165378	S100A9		1	151596506
trans-acting-o	-0.74634338	8.89E-05	cg02327719	C1orf135		1	26057973
trans-acting-o	1.75842721	5.33E-05	cg02599464	HIST1H4I		6	27215076
trans-acting-o	-1.10540132	9.80E-05	cg11640565	STS	X		7147913
trans-acting-o	0.45249735	9.26E-05	cg22805517	C7orf25		7	42951105

trans-acting-o	-0.9629075	3.85E-05	cg19481052	PLP1	X	NA	
trans-acting-o	0.89590097	0.00010116	cg13603171	MOXD1		6	132723164
trans-acting-o	0.98104613	5.77E-05	cg12966875	SLPI		20	43883746
trans-acting-o	1.10553505	6.75E-05	cg17191178	SHOX2		3	159306911
trans-acting-o	-0.90195734	3.80E-05	cg13083810	POU5F1		6	31139156
trans-acting	0.71956997	7.63E-05	cg03954150	FBXO15		18	71815372
trans-acting-o	-0.48498657	7.84E-05	cg21452766	CTH		1	70877088
trans-acting-o	0.38803437	6.69E-05	cg14303330	RPL22		1	6182492
trans-acting-o	1.61979176	5.80E-05	cg07008386	PLCB1		20	8061630
trans-acting-o	1.18126374	0.00010384	cg21627181	SLC17A4		6	25754190
trans-acting-o	0.65572019	8.61E-05	cg00576250	ZNF663		20	44521172
trans-acting-o	2.00224287	6.43E-05	cg14782678	TMEM102		17	7280445
trans-acting-o	0.43641795	6.60E-05	cg18459342	TPD52		8	81084056
trans-acting-o	2.6004956	0.00010219	cg00002426	SLMAP		3	57718583
trans-acting-o	-0.17056739	4.97E-05	cg16491909	C1orf43		1	154193730
trans-acting-o	1.68576541	8.35E-05	cg24607398	MLH1		3	37033625
trans-acting-o	-1.27149343	6.32E-05	cg11119596	CD96		3	111261010
trans-acting-o	-0.95052362	6.05E-05	cg12552392	NFS1		20	34288511
trans-acting-o	-0.75369835	4.81E-05	cg16660041	IQCF1		3	51938430
trans-acting-o	0.27859634	0.0001058	cg27109971	THOC1		18	257637
trans-acting-o	-0.33878921	5.90E-05	cg20755353	SSU72		1	1510883
trans-acting-o	-0.5436582	8.01E-05	cg24793265	CARD9		9	139269240
trans-acting-o	0.16503068	7.78E-05	cg16491909	C1orf43		1	154193730
trans-acting-o	-0.63503915	6.77E-05	cg21769969	OSTM1		6	108396498
trans-acting	-0.77828552	7.23E-05	cg06507244	DHX32		10	127559484
trans-acting-o	0.85261905	5.84E-05	cg04459030	GHRH		20	35885149
trans-acting-o	0.9347318	4.90E-05	cg11653709	CDKN2A		9	21958146
trans-acting-o	0.96660562	7.87E-05	cg00904574	PLK3		1	45038265
trans-acting-o	0.66968265	7.58E-05	cg12936220	RPL26L1		5	172385477
trans-acting-o	1.15145359	8.40E-05	cg24652919	WDR58		16	3013192
trans-acting-o	0.33541399	9.54E-05	cg26079320	POGK		1	166809407
trans-acting-o	-0.23091272	9.01E-05	cg27205791	COPZ1		12	54719080
trans-acting-o	1.09806109	8.81E-05	cg00585790	LIMS1		2	108571277
trans-acting-o	-1.01167882	7.41E-05	cg22158923	FLJ39237		7	100824169
trans-acting-o	-1.07172158	4.72E-05	cg14353201	ALDH3B2		11	67448395
trans-acting	1.29106814	9.88E-05	cg07181881	KLHL23		2	170299485
trans-acting-o	-1.23708313	9.16E-05	cg26174752	GPR63		6	97392669
trans-acting-o	-1.59637792	7.17E-05	cg11136562	CENTD3		5	141061285
trans-acting-o	1.61268802	9.01E-05	cg11314684	AKT3		1	244006288
trans-acting	0.92941556	9.38E-05	cg02620013	MLNR		13	49794681
trans-acting-o	-1.7251207	0.00010175	cg20267005	TYROBP		19	41091889
trans-acting-o	1.31104508	4.96E-05	cg03567830	NTSR1		20	60810316
trans-acting-o	-0.53413685	0.00010604	cg17610929	ACCN4		2	220379044
trans-acting-o	0.66211192	7.43E-05	cg07296772	CHMP4A		14	23753368
trans-acting-o	1.34494976	9.96E-05	cg13234863	KIAA1944		12	130389138
trans-acting-o	1.54855916	5.41E-05	cg07654934	LXN		3	159873023
trans-acting-o	0.60542008	5.77E-05	cg25366404	MOCS1		6	39895360
trans-acting-o	-1.01176586	7.74E-05	cg24278076	PLS1		3	142340931
trans-acting-o	2.06602416	0.00010713	cg24446548	TWIST1		7	19157263
trans-acting-o	1.87188856	9.02E-05	cg02599464	HIST1H4I		6	27215076



trans-acting-o	-1.23717584	9.13E-05	cg07914866	IRAK3		12	66583431
trans-acting	1.58048346	8.58E-05	cg15843823	ALOX15		17	4491713
trans-acting-o	-0.74163859	9.81E-05	cg01998785	AYTL1		16	54100210
trans-acting-o	0.16155625	9.12E-05	cg16491909	C1orf43		1	154193730
trans-acting-o	-1.29011569	0.00010021	cg06552037	INHA		2	220435838
trans-acting-o	2.44445093	7.03E-05	cg06457357	KLF8	X		56275968
trans-acting-o	-1.33955254	9.74E-05	cg16042149	NEFH		22	28205947
trans-acting-o	1.15771114	7.39E-05	cg22247240	C14orf115		14	74815187
trans-acting-o	1.12758177	6.09E-05	cg07300408	RNASE11		14	20128200
trans-acting-o	0.24798149	6.36E-05	cg26097271	MED6		14	71067346
trans-acting-o	-0.46371481	9.94E-05	cg15619125	MAMDC4		9	139747228
trans-acting-o	0.86467806	8.49E-05	cg01998785	AYTL1		16	54100210
trans-acting-o	0.79895928	8.95E-05	cg00230685	SCML1	X		NA
trans-acting-o	-0.79931628	7.41E-05	cg14209518	NNMT		11	114166636
trans-acting-o	0.63945048	8.03E-05	cg25283297	GNAS		20	57430916
trans-acting-o	1.22143154	8.97E-05	cg20840847	APBA2		15	29213626
trans-acting-o	-0.83793184	6.90E-05	cg03014957	DEFB118		20	29956062
trans-acting-o	0.94540684	6.95E-05	cg01136458	CSMD1		8	4840683
trans-acting-o	-0.5399961	9.22E-05	cg20769102	POLR2K		8	101162761
trans-acting-o	-0.76946234	0.00010107	cg18330203	TNNT2		1	201346647
trans-acting-o	-0.50785466	9.38E-05	cg01275830	C10orf95		10	104211749
trans-acting-o	0.24748757	8.84E-05	cg24935900	RAB11FIP5		2	73340724
trans-acting-o	1.059197	5.84E-05	cg07476030	RTN4IP1		6	107078648
trans-acting-o	0.63751454	9.88E-05	cg15804973	MAP3K5		6	137114513
trans-acting-o	1.83113835	8.38E-05	cg19511844	ORMDL3		17	35337645
trans-acting-o	1.67806553	7.76E-05	cg08583049	FOXB1		15	60296815
trans-acting-o	-0.22826903	6.27E-05	cg16421589	PANK3		5	168006761
trans-acting-o	-2.15775678	8.86E-05	cg19964192	MAGEA10	X		151057709
trans-acting-o	2.10021067	8.58E-05	cg18995088	CXCL14		5	134914734
trans-acting-o	-1.8757743	9.72E-05	cg01354473	HOXA9		7	27204803
trans-acting-o	-0.48277924	7.07E-05	cg22477592	ATM		11	108093921
trans-acting-o	-1.04671499	8.00E-05	cg18495563	TCP11L1		11	33061907
trans-acting-o	1.4387564	6.52E-05	cg15652212	FLJ90586		7	142981776
trans-acting-o	2.6004956	0.00010219	cg00002426	SLMAP		3	57718583
trans-acting-o	2.6004956	0.00010219	cg00002426	SLMAP		3	57718583
trans-acting-o	-1.72017108	0.00010507	cg05159188	HIST1H4F		6	26240579
trans-acting	-1.00036361	8.79E-05	cg04149472	NAT1		8	18066144
trans-acting-o	0.29501556	9.72E-05	cg03751813	ZNF585B		19	37701393
trans-acting-o	1.02633033	8.65E-05	cg07476030	RTN4IP1		6	107078648
trans-acting-o	1.57160593	8.32E-05	cg19511844	ORMDL3		17	35337645
trans-acting-o	0.41323735	9.27E-05	cg04176254	AGRP		16	67517429
trans-acting	-1.36252445	8.86E-05	cg26377677	FURIN		15	91412118
trans-acting-o	0.53852578	6.54E-05	cg14634319	BAZ2A		12	55316717
trans-acting-o	-1.37197482	7.16E-05	cg06640279	FAIM3		1	205161776
trans-acting-o	-0.62128386	6.76E-05	cg16108132	ANXA7		10	75174197
trans-acting-o	0.97361642	7.29E-05	cg17191178	SHOX2		3	159306911
trans-acting-o	1.04469599	8.64E-05	cg00015770	GPR103		4	122521457
trans-acting-o	-0.28402745	7.93E-05	cg03029060	ZNF184		6	27549015
trans-acting-o	1.20485695	0.00010593	cg04968426	PPP1R14D		15	38908003
trans-acting-o	-1.41431937	9.99E-05	cg01765641	TBC1D5		3	17756892

trans-acting-o	-1.25331018	8.53E-05	cg03468463	SERPINB12	18	61223564
trans-acting-o	1.43215367	9.88E-05	cg06268694	CELSR1	22	46932642
trans-acting-o	1.79879018	9.56E-05	cg01683883	CMTM2	16	65170554
trans-acting-o	1.4429972	9.13E-05	cg09499849	ACVR1	2	158403404
trans-acting-o	0.66339778	8.75E-05	cg10773309	BAI2	1	32229411
trans-acting-o	-0.15580832	6.81E-05	cg21918026	PRMT7	16	66902403
trans-acting-o	0.50041413	9.05E-05	cg26099316	ITIH3	3	52828794
trans-acting-o	-0.87082304	0.00010253	cg04267184	GNRH2	20	2971418
trans-acting-o	0.93010122	7.32E-05	cg15381769	PTPRK	6	128841972
trans-acting-o	0.3310074	0.00010081	cg12506373	CAD	2	27440548
trans-acting-o	-1.80332929	9.60E-05	cg12510502	SLC22A18	11	2898752
trans-acting-o	-1.01797444	8.87E-05	cg13496066	CHST5	16	74138332
trans-acting-o	-0.4932363	0.00010278	cg04286043	C6orf69	6	36518478
trans-acting-o	1.27580789	0.00010406	cg01169610	INPP4A	2	98501903
trans-acting-o	-0.73702083	9.51E-05	cg09950370	GFRA2	8	21653653
trans-acting-o	0.60446515	9.99E-05	cg17166812	NDUFS2	1	159436198
trans-acting-o	0.73108099	1.00E-04	cg08256691	RIT1	1	155881846
trans-acting-o	-0.56945055	0.00010071	cg03813905	NDUFB9	8	125551074
trans-acting-o	-0.5249075	0.00010692	cg16069236	MRPL39	21	26980353
trans-acting-o	0.83780313	0.00010707	cg06640279	FAIM3	1	205161776
trans-acting-o	0.87572875	9.65E-05	cg02298612	CHST6	16	75528459
trans-acting-o	-1.64015535	9.98E-05	cg15843823	ALOX15	17	4491713

Distance_to_1CpG categ					P-value combined
Distance	corr (spearma	p.value(spear	Distance DNA		
NA	902 CpG_shore	-0.70685484	6.73E-07	trans-acting-o	7.87E-16
	CpG_island	-0.70725806	1.52E-05	trans-acting-o	2.17E-15
NA	141 CpG_island	0.73454986	2.57E-06	trans-acting-o	2.74E-15
	CpG_island	-0.74556452	2.48E-06	trans-acting-o	2.76E-15
	257 CpG_island	-0.7108871	2.71E-06	trans-acting-o	4.95E-15
	217 CpG_island	-0.79221696	1.10E-07	trans-acting-o	5.48E-15
	905 Outside_CpG_	0.74274194	2.86E-06	trans-acting-o	6.76E-15
	257 CpG_island	-0.7108871	2.71E-06	trans-acting-o	8.91E-15
	266 Outside_CpG_	-0.72983871	1.06E-05	trans-acting-o	9.39E-15
	96 CpG_island	-0.70362903	1.74E-05	trans-acting-o	9.47E-15
	703 CpG_shore	-0.71975806	1.77E-05	trans-acting-o	1.11E-14
	481 CpG_island	-0.7016129	1.43E-06	trans-acting-o	1.31E-14
	46 CpG_island	-0.70040323	2.30E-06	trans-acting-o	1.35E-14
	218 CpG_island	0.70362903	1.74E-05	trans-acting-o	1.35E-14
	60 CpG_island	0.72540323	2.14E-06	trans-acting-o	1.42E-14
	334 CpG_island	-0.7483871	3.31E-06	trans-acting-o	2.00E-14
	85 CpG_island	0.74516129	1.91E-06	trans-acting-o	2.00E-14
	695 CpG_island	0.76169355	2.17E-06	trans-acting-o	2.01E-14
NA	CpG_island	-0.70282258	3.10E-06	trans-acting-o	2.18E-14
	686 CpG_shore	0.71330645	8.03E-07	trans-acting-o	2.34E-14
	273 CpG_island	-0.75080645	3.05E-06	trans-acting-o	2.45E-14
	271 CpG_island	0.72124206	6.42E-06	trans-acting-o	2.56E-14
	443 CpG_shore	0.7375	4.88E-06	trans-acting-o	2.67E-14
	27 CpG_island	-0.73024194	6.40E-06	cis-acting	2.72E-14
	296 CpG_shore	0.75322581	7.92E-07	trans-acting-o	3.12E-14
	307 CpG_island	-0.70040323	8.28E-06	trans-acting-o	3.54E-14
	156 Outside_CpG_	-0.74637097	1.81E-06	trans-acting-o	3.72E-14
	46 CpG_island	-0.70040323	2.61E-06	trans-acting-o	3.72E-14
	3 Outside_CpG_	-0.70120968	2.82E-06	trans-acting-o	3.93E-14
	462 CpG_island	-0.72379032	9.97E-07	trans-acting-o	3.98E-14
	338 Outside_CpG_	0.70927419	1.35E-05	trans-acting-o	4.05E-14
	78 Outside_CpG_	0.74395161	1.14E-05	trans-acting-o	4.37E-14
	51 CpG_island	0.7766129	4.67E-06	trans-acting-o	4.46E-14
	339 CpG_shore	0.74805928	1.31E-06	trans-acting-o	4.54E-14
	338 CpG_shore	0.7141129	2.22E-06	trans-acting-o	4.71E-14
	338 CpG_shore	0.7141129	2.22E-06	trans-acting-o	4.71E-14
	73 CpG_island	-0.74516129	3.71E-06	trans-acting-o	4.75E-14
	133 CpG_island	-0.77983871	1.07E-05	trans-acting-o	4.90E-14
	759 CpG_island	-0.70282258	1.98E-06	trans-acting-o	5.04E-14
	68 CpG_island	-0.72137097	5.18E-06	trans-acting-o	5.09E-14
	526 CpG_island	0.76370968	2.05E-06	trans-acting-o	5.74E-14
	265 CpG_island	0.72016129	1.33E-05	trans-acting-o	6.06E-14
	46 CpG_island	-0.70040323	1.41E-05	trans-acting-o	6.07E-14
	372 CpG_shore	-0.7108871	2.12E-06	trans-acting-o	6.89E-14
	378 CpG_island	-0.71572581	1.98E-06	trans-acting-o	6.90E-14
	92 CpG_island	0.71008065	6.95E-07	trans-acting-o	6.92E-14
	294 CpG_island	0.80645161	1.85E-05	trans-acting-o	7.11E-14

NA	46 CpG_island	-0.70040323	2.14E-06	trans-acting-o	7.97E-14
	477 Outside_CpG_	0.71532258	8.03E-06	trans-acting-o	8.01E-14
	98 CpG_island	0.71330645	5.06E-07	trans-acting-o	8.23E-14
	217 CpG_island	-0.79221696	1.10E-07	trans-acting-o	8.35E-14
	98 CpG_island	0.71330645	1.99E-05	trans-acting-o	8.47E-14
	5 CpG_shore	-0.7125	1.33E-05	trans-acting-o	8.52E-14
	566 CpG_island	-0.72056452	9.22E-06	trans-acting-o	9.03E-14
	2 Outside_CpG_	0.7	1.12E-06	trans-acting-o	9.13E-14
	170 CpG_island	0.70080645	4.81E-06	trans-acting-o	9.41E-14
	291 CpG_island	0.72137097	8.94E-06	trans-acting-o	9.53E-14
	581 Outside_CpG_	0.70362903	1.35E-05	trans-acting-o	9.60E-14
	437 CpG_island	0.72580645	1.64E-05	trans-acting-o	9.96E-14
	1120 CpG_island	0.75531808	1.85E-06	trans-acting-o	1.03E-13
	1 CpG_island	0.70040323	1.96E-05	trans-acting-o	1.07E-13
	156 Outside_CpG_	-0.74637097	1.81E-06	trans-acting-o	1.12E-13
	101 Outside_CpG_	0.74556452	3.66E-06	trans-acting-o	1.13E-13
	46 CpG_island	-0.70040323	7.71E-06	trans-acting-o	1.15E-13
	1276 Outside_CpG_	0.75725806	9.80E-06	trans-acting-o	1.16E-13
	1487 Outside_CpG_	-0.73508065	9.10E-07	trans-acting-o	1.20E-13
	756 CpG_island	-0.75040323	8.83E-07	trans-acting-o	1.20E-13
	2 Outside_CpG_	0.7	1.12E-06	trans-acting-o	1.21E-13
	919 Outside_CpG_	-0.78185484	3.05E-06	trans-acting-o	1.23E-13
	609 CpG_island	0.70322581	5.50E-06	trans-acting-o	1.27E-13
	603 CpG_island	-0.70128037	1.11E-05	trans-acting-o	1.28E-13
	155 CpG_island	-0.75241935	2.89E-06	trans-acting-o	1.28E-13
	118 CpG_island	0.72137097	1.33E-05	trans-acting-o	1.36E-13
	51 CpG_island	0.7766129	4.67E-06	trans-acting-o	1.37E-13
	424 CpG_island	-0.73346774	5.67E-06	trans-acting-o	1.38E-13
	394 Outside_CpG_	-0.74354839	3.92E-06	trans-acting-o	1.39E-13
	314 Outside_CpG_	0.70080645	8.28E-06	trans-acting	1.39E-13
	1413 CpG_shore	0.72459677	3.50E-06	trans-acting-o	1.40E-13
	346 CpG_island	0.72124206	4.41E-06	trans-acting-o	1.44E-13
	248 CpG_shore	0.75524194	2.64E-06	trans-acting-o	1.49E-13
	79 Outside_CpG_	0.7	3.22E-06	trans-acting-o	1.55E-13
	279 CpG_island	-0.70967742	3.10E-06	trans-acting-o	1.56E-13
	CpG_island	0.70080645	9.36E-06	trans-acting-o	1.56E-13
	427 CpG_shore	-0.72379032	1.56E-06	trans-acting-o	1.59E-13
	916 CpG_island	-0.70766129	3.31E-06	trans-acting-o	1.61E-13
	76 Outside_CpG_	0.72540323	7.67E-06	trans-acting-o	1.61E-13
	698 CpG_island	0.74354839	6.80E-06	trans-acting-o	1.70E-13
	372 CpG_shore	-0.7108871	2.12E-06	trans-acting-o	1.80E-13
	120 CpG_island	0.72454125	4.05E-06	trans-acting-o	1.81E-13
	902 CpG_shore	-0.70685484	6.73E-07	trans-acting-o	1.94E-13
	65 CpG_island	0.74354839	7.79E-06	trans-acting-o	1.95E-13
	235 CpG_island	0.70322581	1.77E-05	trans-acting-o	1.95E-13
	79 CpG_island	-0.74959677	2.00E-06	trans-acting-o	2.01E-13
	51 CpG_island	0.72540323	3.18E-06	trans-acting-o	2.05E-13
	98 CpG_island	0.71330645	1.69E-05	trans-acting-o	2.08E-13
	1340 Outside_CpG_	-0.76572581	2.97E-06	trans-acting-o	2.19E-13
	52 Outside_CpG_	0.71733871	1.27E-05	trans-acting-o	2.22E-13

NA	23	Outside_CpG_	-0.70685484	1.13E-06	trans-acting-o	2.23E-13
	802	CpG_island	-0.80201613	5.96E-07	trans-acting-o	2.23E-13
	21	Outside_CpG_	0.7	2.64E-06	trans-acting-o	2.24E-13
	449	CpG_island	-0.70269181	1.23E-05	trans-acting-o	2.32E-13
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	2.38E-13
	495	CpG_island	0.70685484	1.47E-06	trans-acting-o	2.60E-13
	1351	CpG_island	-0.71169355	7.11E-06	trans-acting-o	2.67E-13
	394	Outside_CpG_	-0.74354839	3.92E-06	trans-acting-o	2.70E-13
	49	CpG_shore	0.75	1.77E-05	trans-acting-o	2.85E-13
	49	CpG_shore	0.75	1.77E-05	trans-acting-o	2.85E-13
		CpG_island	0.70564516	1.62E-05	trans-acting-o	2.86E-13
	902	CpG_shore	-0.70685484	6.73E-07	trans-acting-o	2.89E-13
	196	Outside_CpG_	-0.79919355	9.97E-07	trans-acting-o	2.91E-13
	401	Outside_CpG_	-0.78024194	8.80E-06	trans-acting-o	2.97E-13
	728	CpG_island	-0.71854839	4.67E-06	trans-acting-o	2.98E-13
	5	CpG_shore	0.73225806	3.50E-06	trans-acting-o	2.98E-13
	9	CpG_island	0.70524194	8.03E-06	trans-acting-o	2.99E-13
	99	Outside_CpG_	-0.70927419	1.47E-06	trans-acting-o	3.01E-13
	657	CpG_island	0.70887097	8.67E-06	trans-acting-o	3.02E-13
	174	CpG_island	0.72177419	1.69E-06	trans-acting-o	3.07E-13
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	3.11E-13
	339	CpG_shore	-0.70282258	1.96E-05	trans-acting-o	3.12E-13
	274	CpG_island	0.71169355	5.42E-06	trans-acting-o	3.15E-13
	323	Outside_CpG_	0.70241935	1.42E-06	trans-acting-o	3.16E-13
	950	CpG_island	-0.81330645	1.91E-07	trans-acting-o	3.19E-13
	51	CpG_island	0.7766129	4.67E-06	trans-acting-o	3.20E-13
	571	Outside_CpG_	0.72419355	7.56E-06	trans-acting-o	3.24E-13
	838	Outside_CpG_	0.70846774	1.35E-06	trans-acting-o	3.26E-13
	625	CpG_island	-0.70443548	4.60E-06	trans-acting-o	3.39E-13
	1413	CpG_shore	0.72459677	5.40E-07	trans-acting-o	3.41E-13
	290	CpG_island	0.73508065	5.34E-06	trans-acting-o	3.41E-13
	245	Outside_CpG_	0.71370968	3.60E-06	trans-acting-o	3.62E-13
	123	CpG_island	0.70806452	5.75E-06	trans-acting-o	3.63E-13
	933	CpG_island	-0.71733871	1.01E-05	trans-acting-o	3.67E-13
	332	CpG_island	-0.70725806	7.79E-06	trans-acting-o	3.71E-13
	98	CpG_island	0.71330645	1.24E-06	cis-acting	3.72E-13
	332	CpG_island	-0.70725806	7.79E-06	trans-acting-o	3.74E-13
	361	Outside_CpG_	-0.71532258	1.32E-06	trans-acting-o	3.78E-13
	785	CpG_island	-0.7608871	2.22E-06	trans-acting-o	3.79E-13
	803	CpG_island	0.7233871	1.83E-06	trans-acting-o	3.85E-13
	324	CpG_shore	0.70443548	2.36E-06	trans-acting-o	3.93E-13
	348	CpG_island	-0.71935484	9.65E-06	trans-acting-o	3.97E-13
	1399	Outside_CpG_	0.75524194	5.34E-06	trans-acting-o	4.08E-13
	113	CpG_shore	0.72096774	9.08E-06	trans-acting-o	4.08E-13
	462	CpG_island	-0.72379032	3.55E-06	trans-acting-o	4.08E-13
	863	CpG_shore	0.78991935	1.15E-06	trans-acting-o	4.18E-13
	332	CpG_island	-0.7141129	6.90E-06	trans-acting-o	4.50E-13
	991	Outside_CpG_	-0.70270276	4.21E-06	trans-acting-o	4.50E-13
	368	CpG_shore	0.74153226	1.98E-06	trans-acting-o	4.51E-13
	1379	CpG_island	-0.71532258	4.10E-06	trans-acting-o	4.59E-13

NA	366	Outside_CpG_	-0.71169355	5.11E-06	trans-acting-o	4.60E-13
	85	Outside_CpG_	-0.73790323	6.80E-06	trans-acting-o	4.65E-13
	65	CpG_shore	-0.72096774	9.08E-06	trans-acting-o	4.75E-13
	43	CpG_island	-0.70120968	1.37E-05	trans-acting-o	4.79E-13
	332	CpG_island	-0.70725806	7.79E-06	trans-acting-o	4.79E-13
	327	CpG_island	0.70604839	8.61E-07	trans-acting-o	4.83E-13
		CpG_island	0.74062128	1.90E-06	trans-acting-o	4.83E-13
	210	CpG_island	-0.71290323	9.08E-06	trans-acting-o	4.84E-13
	257	CpG_island	-0.7108871	1.33E-05	trans-acting	4.87E-13
	111	CpG_shore	0.73145161	4.74E-06	trans-acting-o	4.89E-13
	98	CpG_island	0.71330645	5.67E-06	trans-acting-o	4.91E-13
	276	CpG_island	0.78870968	2.57E-06	trans-acting-o	4.92E-13
	1336	CpG_shore	-0.70282258	5.67E-06	trans-acting-o	4.94E-13
	239	Outside_CpG_	0.73225806	5.50E-06	trans-acting-o	5.03E-13
	314	Outside_CpG_	0.70080645	8.28E-06	trans-acting	5.04E-13
	215	Outside_CpG_	-0.71532258	2.25E-06	trans-acting-o	5.08E-13
	352	CpG_island	0.71693548	1.38E-06	trans-acting-o	5.09E-13
	128	CpG_island	0.75403226	1.14E-05	trans-acting-o	5.13E-13
	54	CpG_island	0.70443548	1.77E-05	trans-acting-o	5.16E-13
	46	CpG_island	-0.70040323	8.41E-06	trans-acting-o	5.24E-13
	272	CpG_island	-0.70282258	3.01E-06	trans-acting-o	5.33E-13
	916	CpG_island	-0.7742716	3.21E-07	trans-acting-o	5.35E-13
	94	CpG_shore	-0.73145161	4.28E-06	trans-acting-o	5.39E-13
	904	Outside_CpG_	0.74435484	3.81E-06	trans-acting-o	5.55E-13
	21	Outside_CpG_	0.7	2.64E-06	trans-acting-o	5.63E-13
	532	CpG_island	-0.75846774	1.24E-06	trans-acting-o	5.64E-13
	9	CpG_island	0.72016129	1.88E-05	trans-acting-o	5.74E-13
	791	CpG_island	-0.75362903	2.78E-06	trans-acting-o	5.74E-13
	9	CpG_island	0.72016129	3.27E-06	trans-acting-o	5.75E-13
	337	Outside_CpG_	-0.70362903	2.61E-06	trans-acting-o	5.78E-13
	548	CpG_island	0.70604839	1.59E-05	trans-acting-o	5.90E-13
	536	CpG_island	0.71330645	1.06E-06	trans-acting-o	5.90E-13
	34	CpG_shore	0.73991935	1.96E-06	trans-acting-o	5.90E-13
	388	Outside_CpG_	0.74798387	3.36E-06	trans-acting-o	5.94E-13
	168	CpG_shore	0.7266129	2.02E-06	trans-acting-o	6.02E-13
	948	CpG_shore	-0.73548387	5.26E-06	trans-acting-o	6.03E-13
	721	Outside_CpG_	-0.70524194	1.14E-05	trans-acting-o	6.05E-13
	205	CpG_island	-0.73467742	5.42E-06	trans-acting-o	6.09E-13
	863	CpG_shore	0.78991935	1.81E-06	trans-acting-o	6.15E-13
	623	CpG_shore	0.7108871	1.33E-06	trans-acting-o	6.17E-13
	82	CpG_island	-0.76451613	2.00E-06	trans-acting-o	6.22E-13
	1127	CpG_shore	0.70806452	1.48E-05	trans-acting-o	6.22E-13
	863	CpG_shore	0.78991935	1.58E-06	trans-acting-o	6.33E-13
	178	Outside_CpG_	-0.71733871	2.97E-06	trans-acting-o	6.36E-13
	863	CpG_shore	0.78991935	5.57E-07	trans-acting-o	6.42E-13
	352	CpG_island	0.70645161	1.57E-05	trans-acting-o	6.44E-13
	950	CpG_island	-0.73548387	1.47E-06	trans-acting-o	6.50E-13
	87	Outside_CpG_	-0.71532258	2.12E-06	trans-acting	6.54E-13
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	6.77E-13
	150	CpG_island	0.74758065	5.50E-06	trans-acting	6.78E-13

	639	Outside_CpG_	-0.70685484	1.58E-06	trans-acting-o	6.85E-13
	406	CpG_shore	0.73709677	7.44E-06	trans-acting-o	6.88E-13
	227	CpG_island	-0.71895161	9.65E-06	trans-acting-o	6.89E-13
	691	CpG_island	-0.73427419	9.10E-07	trans-acting	6.94E-13
	75	CpG_island	0.72177419	8.80E-06	trans-acting-o	7.03E-13
	1263	CpG_island	0.73548387	5.26E-06	trans-acting-o	7.08E-13
	134	CpG_island	0.70349834	5.10E-06	trans-acting-o	7.14E-13
	54	CpG_island	0.70443548	1.77E-05	trans-acting-o	7.17E-13
NA		CpG_island	0.70080645	1.58E-06	trans-acting-o	7.23E-13
	369	CpG_shore	-0.72096774	1.55E-05	trans-acting-o	7.26E-13
	653	Outside_CpG_	-0.70201613	2.33E-06	trans-acting-o	7.49E-13
	76	CpG_island	-0.70282258	1.80E-05	trans-acting-o	7.59E-13
	667	CpG_island	0.72540323	4.60E-06	trans-acting-o	7.63E-13
	214	CpG_island	0.75403226	1.81E-06	trans-acting-o	7.67E-13
	545	Outside_CpG_	0.70564516	8.94E-06	trans-acting-o	7.68E-13
	874	CpG_shore	0.7266129	4.60E-06	trans-acting-o	7.70E-13
	118	CpG_island	0.72137097	1.33E-05	trans-acting-o	7.87E-13
	85	Outside_CpG_	-0.73790323	6.80E-06	trans-acting-o	7.92E-13
	75	CpG_island	-0.71370968	1.19E-05	cis-acting	7.97E-13
	670	CpG_shore	0.70362903	1.18E-05	trans-acting-o	8.08E-13
	408	CpG_island	0.72217742	8.67E-06	trans-acting-o	8.15E-13
	483	Outside_CpG_	0.72096774	9.36E-06	trans-acting-o	8.16E-13
	283	CpG_island	0.75645161	1.04E-05	trans-acting-o	8.19E-13
NA		CpG_island	-0.76895161	1.78E-06	trans-acting-o	8.20E-13
	98	CpG_island	0.71330645	1.59E-05	trans-acting-o	8.25E-13
NA		CpG_island	0.725	6.20E-06	trans-acting-o	8.29E-13
	657	CpG_island	-0.72177419	1.85E-06	trans-acting-o	8.45E-13
	654	CpG_shore	0.74516129	1.74E-05	trans-acting-o	8.51E-13
	866	CpG_shore	0.77258065	1.62E-06	trans-acting-o	8.60E-13
	51	CpG_island	0.75322581	2.82E-06	trans-acting-o	8.60E-13
	368	CpG_shore	0.74153226	1.48E-06	trans-acting-o	8.63E-13
	327	CpG_island	0.72298387	1.14E-05	trans-acting-o	8.66E-13
	67	CpG_island	0.73495312	2.50E-06	trans-acting-o	8.72E-13
	655	Outside_CpG_	-0.80201613	1.67E-05	trans-acting-o	8.72E-13
	208	Outside_CpG_	-0.71733871	3.31E-06	trans-acting-o	8.72E-13
	482	CpG_island	-0.74395161	3.87E-06	trans-acting-o	8.78E-13
	1308	Outside_CpG_	0.73830645	7.56E-06	trans-acting-o	8.79E-13
	9	CpG_island	0.72016129	1.41E-05	trans-acting-o	8.85E-13
	203	CpG_island	0.73346774	5.67E-06	trans-acting	8.89E-13
	919	Outside_CpG_	-0.78185484	3.05E-06	trans-acting-o	9.04E-13
	0	CpG_island	0.72943548	3.87E-06	trans-acting-o	9.05E-13
	430	CpG_island	-0.74112903	1.39E-05	trans-acting-o	9.20E-13
	982	Outside_CpG_	-0.79798387	1.01E-06	trans-acting-o	9.21E-13
	261	CpG_island	0.76532258	1.59E-06	trans-acting-o	9.25E-13
	7	CpG_shore	0.71653226	1.91E-06	trans-acting-o	9.32E-13
	541	CpG_shore	0.70685484	1.55E-05	trans-acting-o	9.36E-13
	98	CpG_island	0.71330645	1.24E-06	cis-acting	9.36E-13
	432	CpG_island	-0.74291487	8.37E-06	trans-acting-o	9.49E-13
	982	Outside_CpG_	-0.79798387	1.03E-05	trans-acting	9.55E-13
	39	CpG_island	-0.77379032	1.58E-06	trans-acting	9.56E-13

	134	CpG_island	0.70349834	5.10E-06	trans-acting-o	9.66E-13
	895	CpG_shore	-0.72620968	8.41E-06	trans-acting-o	9.76E-13
	1242	CpG_shore	-0.70007058	1.17E-05	trans-acting-o	9.77E-13
	933	CpG_island	-0.71733871	1.01E-05	trans-acting-o	9.82E-13
	245	Outside_CpG_	0.71370968	3.60E-06	trans-acting-o	9.83E-13
	1345	CpG_island	-0.7226535	4.41E-06	trans-acting-o	9.83E-13
	63	CpG_shore	0.7	1.96E-06	trans-acting-o	9.90E-13
	1216	CpG_shore	0.72096774	9.08E-06	trans-acting-o	9.90E-13
	67	CpG_island	0.73495312	2.50E-06	trans-acting-o	1.01E-12
	1	Outside_CpG_	-0.72419355	3.46E-06	trans-acting-o	1.03E-12
	188	CpG_island	0.72540323	7.67E-06	trans-acting-o	1.03E-12
	81	CpG_shore	-0.71451613	9.36E-06	trans-acting-o	1.04E-12
	314	Outside_CpG_	0.70080645	8.28E-06	trans-acting	1.04E-12
	298	CpG_island	0.74596774	4.04E-06	trans-acting-o	1.05E-12
	141	CpG_island	-0.72903226	6.69E-06	trans-acting-o	1.05E-12
	499	CpG_island	-0.73266129	5.84E-06	trans-acting-o	1.05E-12
	141	Outside_CpG_	-0.70040323	1.19E-05	trans-acting-o	1.05E-12
	194	Outside_CpG_	-0.75322581	4.60E-06	trans-acting-o	1.06E-12
	108	Outside_CpG_	0.7125	2.22E-06	trans-acting-o	1.07E-12
	48	CpG_island	0.72096774	9.08E-06	trans-acting-o	1.07E-12
	48	CpG_island	0.72096774	9.08E-06	trans-acting-o	1.07E-12
	280	CpG_shore	0.74072581	4.34E-06	trans-acting-o	1.08E-12
	92	CpG_island	0.71008065	6.95E-07	trans-acting-o	1.08E-12
	342	Outside_CpG_	0.7	2.64E-06	trans-acting-o	1.08E-12
	92	CpG_island	0.71008065	6.95E-07	trans-acting-o	1.09E-12
	802	CpG_island	-0.80201613	5.96E-07	trans-acting-o	1.09E-12
	507	Outside_CpG_	0.75040323	3.10E-06	trans-acting-o	1.10E-12
	60	CpG_shore	0.7	9.22E-06	trans-acting-o	1.10E-12
	63	CpG_shore	-0.7125	5.50E-06	trans-acting-o	1.10E-12
	9	CpG_island	0.73306452	5.75E-06	trans-acting-o	1.11E-12
	336	CpG_island	0.71451613	1.16E-05	trans-acting-o	1.11E-12
	155	CpG_island	-0.75241935	2.89E-06	trans-acting-o	1.11E-12
	423	Outside_CpG_	-0.70645161	1.69E-05	trans-acting-o	1.12E-12
	566	CpG_island	-0.72056452	9.22E-06	trans-acting-o	1.12E-12
	355	CpG_island	0.72379032	1.96E-05	trans-acting-o	1.13E-12
	274	CpG_island	0.71169355	3.60E-06	trans-acting-o	1.13E-12
	137	CpG_island	0.70080645	4.34E-06	trans-acting-o	1.13E-12
	698	CpG_island	0.74354839	1.39E-05	trans-acting-o	1.14E-12
	70	CpG_shore	0.78870968	9.24E-07	trans-acting-o	1.15E-12
	999	Outside_CpG_	0.79032258	6.90E-06	trans-acting-o	1.16E-12
	113	Outside_CpG_	-0.70685484	8.28E-06	trans-acting-o	1.17E-12
	76	CpG_island	-0.70282258	1.80E-05	trans-acting-o	1.18E-12
	955	CpG_shore	0.7266129	1.77E-05	trans-acting-o	1.19E-12
	895	CpG_shore	-0.72620968	2.71E-06	trans-acting-o	1.19E-12
	325	CpG_island	-0.70725806	2.17E-06	trans-acting-o	1.19E-12
	482	CpG_island	-0.74395161	3.87E-06	trans-acting-o	1.19E-12
NA		CpG_island	0.70080645	9.36E-06	trans-acting-o	1.20E-12
	873	CpG_island	-0.75967742	1.55E-05	trans-acting-o	1.20E-12
	1123	Outside_CpG_	-0.70846774	1.45E-05	trans-acting-o	1.21E-12
	155	CpG_island	0.70685484	2.42E-06	trans-acting-o	1.22E-12



279	CpG_island	-0.725	1.12E-06	trans-acting-o	1.23E-12
931	CpG_island	0.71532258	5.26E-06	trans-acting-o	1.23E-12
77	CpG_shore	-0.71693548	1.31E-05	trans-acting-o	1.24E-12
65	CpG_shore	-0.72096774	9.08E-06	trans-acting-o	1.24E-12
242	Outside_CpG_	-0.7	2.57E-06	trans-acting-o	1.25E-12
131	CpG_island	0.72540323	1.70E-06	trans-acting-o	1.25E-12
115	CpG_island	0.72580645	2.54E-06	trans-acting-o	1.25E-12
23	CpG_island	-0.74193548	3.71E-06	trans-acting-o	1.25E-12
1458	CpG_island	-0.71774194	1.03E-05	trans-acting-o	1.26E-12
922	CpG_shore	-0.72419355	3.14E-06	trans-acting-o	1.26E-12
91	CpG_shore	-0.78508065	1.03E-06	trans-acting-o	1.26E-12
368	CpG_island	-0.70483871	9.10E-07	trans-acting-o	1.26E-12
1162	CpG_shore	-0.74879032	3.27E-06	trans-acting-o	1.28E-12
933	CpG_island	-0.71733871	1.01E-05	trans-acting-o	1.28E-12
18	CpG_island	-0.76370968	6.49E-06	trans-acting-o	1.28E-12
51	CpG_shore	0.70725806	1.33E-06	trans-acting-o	1.30E-12
51	CpG_shore	0.70725806	1.33E-06	trans-acting-o	1.30E-12
67	CpG_island	0.73495312	2.50E-06	trans-acting-o	1.30E-12
621	CpG_island	-0.72096774	1.29E-05	trans-acting	1.31E-12
222	CpG_island	-0.76895161	3.05E-06	trans-acting-o	1.31E-12
754	CpG_island	0.7016129	1.67E-05	trans-acting-o	1.32E-12
288	CpG_island	-0.7	9.95E-06	trans-acting-o	1.33E-12
858	CpG_island	0.70120968	1.31E-05	trans-acting-o	1.33E-12
117	CpG_island	0.70524194	1.23E-06	trans-acting-o	1.34E-12
34	CpG_shore	0.73991935	1.96E-06	trans-acting-o	1.35E-12
188	Outside_CpG_	-0.71048387	5.67E-06	trans-acting-o	1.35E-12
802	CpG_island	-0.80201613	5.96E-07	trans-acting-o	1.35E-12
68	CpG_island	-0.7016129	1.88E-05	trans-acting-o	1.37E-12
783	CpG_island	-0.7016129	1.88E-05	trans-acting-o	1.37E-12
639	Outside_CpG_	-0.70685484	9.80E-06	trans-acting-o	1.38E-12
656	CpG_island	0.71693548	5.84E-06	trans-acting-o	1.39E-12
406	CpG_shore	-0.73172699	1.20E-06	trans-acting-o	1.39E-12
402	Outside_CpG_	-0.71532258	9.80E-06	trans-acting-o	1.40E-12
426	CpG_island	0.72540323	1.14E-05	trans-acting-o	1.40E-12
406	CpG_shore	-0.73172699	1.20E-06	trans-acting-o	1.40E-12
549	CpG_island	0.71653226	3.71E-06	trans-acting-o	1.41E-12
1285	Outside_CpG_	0.70927419	1.94E-06	trans-acting-o	1.43E-12
482	CpG_island	-0.74395161	3.87E-06	trans-acting-o	1.43E-12
9	CpG_island	0.72016129	1.88E-05	trans-acting-o	1.43E-12
446	Outside_CpG_	-0.72459677	1.18E-05	trans-acting-o	1.46E-12
424	CpG_shore	0.7858871	1.91E-05	trans-acting-o	1.46E-12
906	Outside_CpG_	0.71048387	6.69E-06	trans-acting-o	1.47E-12
239	CpG_island	-0.73011393	1.74E-06	trans-acting-o	1.47E-12
267	Outside_CpG_	0.70362903	8.54E-06	trans-acting	1.47E-12
1172	CpG_island	0.70564516	1.62E-05	trans-acting-o	1.49E-12
252	CpG_island	0.70604839	5.03E-06	trans-acting-o	1.50E-12
156	CpG_island	-0.70282258	5.50E-06	trans-acting-o	1.51E-12
651	CpG_island	0.7	3.46E-06	trans-acting-o	1.52E-12
213	CpG_island	-0.70927419	1.35E-05	trans-acting-o	1.52E-12
863	CpG_shore	0.78991935	1.58E-06	trans-acting-o	1.53E-12

179	CpG_island	0.7	3.46E-06	trans-acting-o	1.53E-12
80	CpG_shore	0.7	5.50E-06	trans-acting-o	1.54E-12
429	Outside_CpG_	0.77258065	5.67E-06	trans-acting-o	1.54E-12
363	Outside_CpG_	0.80645161	9.06E-07	trans-acting-o	1.55E-12
78	Outside_CpG_	0.74395161	1.14E-05	trans-acting-o	1.56E-12
449	CpG_island	-0.71290323	3.41E-06	trans-acting-o	1.56E-12
264	CpG_island	0.70564516	2.39E-06	trans-acting-o	1.56E-12
107	CpG_island	-0.70241935	1.33E-05	trans-acting-o	1.57E-12
423	CpG_island	0.74395161	3.41E-06	trans-acting-o	1.57E-12
715	Outside_CpG_	0.7483871	7.91E-06	trans-acting-o	1.58E-12
564	Outside_CpG_	0.70604839	1.80E-05	trans-acting-o	1.59E-12
863	CpG_shore	0.78991935	1.58E-06	trans-acting-o	1.60E-12
950	CpG_island	-0.73548387	1.47E-06	trans-acting-o	1.60E-12
403	CpG_island	0.70483871	3.76E-06	trans-acting-o	1.60E-12
628	CpG_island	-0.70967742	1.39E-05	trans-acting-o	1.60E-12
262	Outside_CpG_	-0.76129032	2.19E-06	trans-acting-o	1.60E-12
190	Outside_CpG_	0.73508065	5.61E-07	trans-acting-o	1.61E-12
514	Outside_CpG_	0.7125	7.92E-07	trans-acting-o	1.62E-12
931	CpG_island	0.71532258	5.26E-06	trans-acting-o	1.62E-12
325	CpG_island	-0.70725806	1.52E-05	trans-acting-o	1.63E-12
461	CpG_island	0.72782258	7.00E-06	trans-acting-o	1.63E-12
98	CpG_island	0.71330645	1.21E-05	trans-acting-o	1.64E-12
46	CpG_island	-0.70040323	6.83E-06	trans-acting-o	1.64E-12
707	CpG_shore	0.71129032	5.18E-06	trans-acting-o	1.65E-12
194	Outside_CpG_	-0.75322581	7.00E-06	trans-acting-o	1.67E-12
863	CpG_shore	0.78991935	1.58E-06	trans-acting-o	1.68E-12
1409	CpG_island	0.72177419	6.20E-06	trans-acting-o	1.69E-12
611	Outside_CpG_	-0.70282258	1.14E-05	trans-acting-o	1.70E-12
24	CpG_island	-0.73870968	4.96E-06	trans-acting-o	1.70E-12
334	CpG_island	-0.7483871	3.31E-06	trans-acting-o	1.71E-12
495	CpG_island	0.70685484	1.47E-06	trans-acting-o	1.71E-12
74	CpG_island	0.70322581	1.77E-05	trans-acting-o	1.71E-12
167	Outside_CpG_	0.72137097	4.16E-06	trans-acting	1.71E-12
203	CpG_island	0.73346774	5.67E-06	trans-acting	1.74E-12
895	CpG_shore	-0.72620968	2.71E-06	trans-acting-o	1.76E-12
181	CpG_island	-0.74153226	2.57E-06	trans-acting-o	1.76E-12
895	CpG_shore	-0.72620968	2.71E-06	trans-acting-o	1.76E-12
210	CpG_island	-0.71290323	1.19E-05	trans-acting-o	1.77E-12
259	CpG_shore	0.75403226	8.03E-06	trans-acting-o	1.78E-12
179	CpG_island	0.7	3.46E-06	trans-acting-o	1.78E-12
339	CpG_shore	0.74805928	1.31E-06	trans-acting-o	1.79E-12
422	Outside_CpG_	0.71532258	1.12E-05	trans-acting-o	1.80E-12
174	CpG_shore	0.71196694	1.69E-05	trans-acting-o	1.80E-12
327	CpG_island	0.72540323	9.80E-06	trans-acting-o	1.81E-12
511	CpG_island	-0.70201613	1.41E-05	trans-acting-o	1.81E-12
639	Outside_CpG_	-0.70685484	3.66E-06	trans-acting-o	1.81E-12
1413	CpG_shore	0.72459677	1.83E-06	trans-acting	1.81E-12
1454	CpG_shore	0.70887097	1.07E-05	trans-acting-o	1.83E-12
98	CpG_island	0.71330645	7.79E-06	trans-acting-o	1.83E-12
98	CpG_island	0.71330645	1.24E-06	cis-acting	1.84E-12

287	Outside_CpG_	-0.75080645	1.72E-05	trans-acting-o	1.84E-12
101	CpG_island	0.73454986	5.99E-06	trans-acting-o	1.85E-12
406	CpG_shore	0.73709677	7.44E-06	trans-acting-o	1.86E-12
296	CpG_island	0.72459677	7.91E-06	trans-acting-o	1.87E-12
4	CpG_island	0.70282258	1.99E-05	trans-acting-o	1.88E-12
126	CpG_island	-0.72056452	9.22E-06	trans-acting-o	1.90E-12
1458	CpG_island	-0.71774194	1.03E-05	trans-acting-o	1.90E-12
115	Outside_CpG_	0.70241935	1.37E-05	trans-acting-o	1.91E-12
982	Outside_CpG_	-0.79798387	4.74E-06	trans-acting-o	1.94E-12
188	Outside_CpG_	-0.71048387	5.67E-06	trans-acting-o	1.95E-12
1379	CpG_island	-0.71532258	4.10E-06	trans-acting-o	1.95E-12
77	CpG_shore	-0.71693548	1.31E-05	trans-acting-o	1.95E-12
404	CpG_island	0.72459677	1.35E-05	trans-acting-o	1.96E-12
207	Outside_CpG_	0.7016129	1.82E-05	trans-acting-o	1.99E-12
355	CpG_island	0.72379032	1.96E-05	trans-acting-o	1.99E-12
154	CpG_island	0.74516129	1.99E-05	trans-acting-o	2.00E-12
330	CpG_shore	0.7108871	3.01E-06	trans-acting-o	2.02E-12
1409	CpG_island	0.72177419	6.20E-06	trans-acting-o	2.02E-12
1431	CpG_island	-0.74516129	3.71E-06	trans-acting-o	2.02E-12
127	CpG_island	0.70443548	3.14E-06	trans-acting-o	2.02E-12
887	CpG_island	0.74677419	3.27E-06	trans-acting-o	2.03E-12
242	Outside_CpG_	-0.7	6.80E-06	trans-acting-o	2.04E-12
449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	2.04E-12
449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	2.04E-12
984	CpG_island	-0.73709677	1.09E-05	trans-acting-o	2.05E-12
119	CpG_shore	-0.70120968	1.12E-05	trans-acting-o	2.05E-12
703	CpG_shore	-0.71975806	1.77E-05	trans-acting-o	2.05E-12
625	CpG_island	-0.70443548	4.60E-06	trans-acting-o	2.06E-12
113	CpG_shore	0.72096774	9.08E-06	trans-acting-o	2.07E-12
273	CpG_island	-0.75080645	3.05E-06	trans-acting-o	2.07E-12
428	CpG_island	0.70241935	4.41E-06	trans-acting-o	2.11E-12
863	CpG_shore	0.78991935	1.58E-06	trans-acting-o	2.11E-12
422	Outside_CpG_	0.71532258	1.12E-05	trans-acting-o	2.14E-12
422	CpG_island	0.78225806	3.46E-06	trans-acting	2.15E-12
1047	CpG_island	0.72177419	1.03E-05	trans-acting-o	2.16E-12
394	Outside_CpG_	-0.74354839	3.92E-06	trans-acting-o	2.16E-12
352	CpG_island	0.72540323	3.76E-06	trans-acting-o	2.17E-12
62	CpG_island	-0.74354839	9.95E-06	trans-acting-o	2.18E-12
423	CpG_island	0.74395161	3.41E-06	trans-acting-o	2.18E-12
423	CpG_island	0.74395161	3.41E-06	trans-acting-o	2.18E-12
532	CpG_island	-0.75846774	1.24E-06	trans-acting-o	2.18E-12
418	CpG_island	0.72741935	3.66E-06	trans-acting-o	2.18E-12
978	Outside_CpG_	0.72137097	6.59E-06	trans-acting-o	2.19E-12
181	Outside_CpG_	-0.70887097	1.43E-05	trans-acting-o	2.19E-12
76	Outside_CpG_	-0.71975806	2.05E-06	trans-acting-o	2.20E-12
337	CpG_island	-0.7141129	4.34E-06	trans-acting-o	2.20E-12
1483	CpG_shore	0.72540323	7.67E-06	trans-acting-o	2.20E-12
863	CpG_shore	0.78991935	4.67E-06	trans-acting-o	2.20E-12
221	CpG_island	0.7	9.95E-06	trans-acting-o	2.21E-12
67	CpG_island	0.73495312	2.50E-06	trans-acting-o	2.21E-12

NA

137	CpG_island	0.73225806	5.93E-06	trans-acting-o	2.22E-12
374	CpG_island	0.71774194	1.03E-05	trans-acting-o	2.22E-12
467	Outside_CpG_	0.70322581	4.74E-06	trans-acting-o	2.22E-12
651	CpG_island	0.7	3.46E-06	trans-acting-o	2.23E-12
	CpG_island	-0.75080645	3.05E-06	trans-acting-o	2.24E-12
411	Outside_CpG_	-0.70483871	1.96E-05	trans-acting-o	2.24E-12
919	Outside_CpG_	-0.78185484	3.05E-06	trans-acting-o	2.29E-12
108	CpG_island	0.71370968	1.19E-05	trans-acting-o	2.31E-12
17	CpG_island	-0.77177419	7.02E-07	trans-acting-o	2.31E-12
190	Outside_CpG_	0.73508065	1.31E-06	trans-acting	2.31E-12
265	CpG_island	0.70201613	1.85E-05	trans-acting-o	2.32E-12
228	CpG_island	0.70362903	5.50E-06	trans-acting-o	2.33E-12
73	CpG_island	-0.74516129	3.71E-06	trans-acting-o	2.33E-12
296	CpG_island	0.72459677	7.91E-06	trans-acting-o	2.34E-12
883	CpG_shore	-0.7016129	3.18E-06	trans-acting-o	2.35E-12
359	CpG_island	-0.7358871	5.18E-06	trans-acting-o	2.36E-12
593	CpG_island	0.71008065	6.40E-06	trans-acting-o	2.36E-12
172	CpG_island	0.72983871	6.49E-06	trans-acting-o	2.37E-12
435	CpG_island	-0.70362903	7.11E-06	trans-acting-o	2.38E-12
73	CpG_island	-0.74516129	3.71E-06	trans-acting-o	2.38E-12
101	CpG_shore	-0.71129032	3.98E-06	trans-acting-o	2.38E-12
1267	CpG_shore	0.79354839	1.08E-06	trans-acting-o	2.39E-12
342	CpG_island	-0.71209677	1.27E-05	trans-acting-o	2.42E-12
883	CpG_shore	-0.7016129	3.18E-06	trans-acting-o	2.43E-12
141	CpG_island	0.74584132	1.47E-06	trans-acting-o	2.44E-12
211	Outside_CpG_	-0.77983871	1.38E-06	trans-acting-o	2.44E-12
637	CpG_island	-0.75806452	2.42E-06	trans-acting-o	2.46E-12
502	CpG_island	0.73225806	5.93E-06	trans-acting-o	2.48E-12
371	CpG_shore	0.7	1.96E-05	trans-acting-o	2.49E-12
1399	CpG_shore	0.72137097	2.68E-06	trans-acting	2.49E-12
1399	CpG_shore	0.72137097	2.68E-06	trans-acting	2.49E-12
387	CpG_island	0.70524194	8.28E-06	trans-acting-o	2.49E-12
540	CpG_shore	0.71169355	1.37E-06	trans-acting-o	2.53E-12
571	CpG_island	-0.73951613	9.08E-06	trans-acting-o	2.54E-12
453	Outside_CpG_	0.7016129	1.23E-05	trans-acting-o	2.55E-12
339	CpG_shore	0.74805928	1.31E-06	trans-acting-o	2.59E-12
140	CpG_island	-0.70766129	8.25E-06	trans-acting-o	2.60E-12
863	CpG_shore	0.78991935	1.39E-05	trans-acting-o	2.61E-12
698	CpG_island	0.74354839	1.39E-05	trans-acting-o	2.61E-12
643	CpG_island	-0.72419355	8.03E-06	trans-acting-o	2.68E-12
22	CpG_shore	-0.75604839	2.57E-06	trans-acting-o	2.69E-12
598	CpG_island	-0.71975806	2.27E-06	trans-acting-o	2.70E-12
189	CpG_island	-0.70120968	6.40E-06	trans-acting-o	2.71E-12
428	CpG_island	-0.74274194	3.81E-06	trans-acting-o	2.71E-12
478	Outside_CpG_	-0.78225806	4.04E-06	trans-acting-o	2.71E-12
1047	CpG_island	0.72177419	1.03E-05	trans-acting-o	2.72E-12
168	CpG_island	0.74919355	1.06E-05	trans-acting-o	2.72E-12
7	CpG_shore	0.71653226	6.69E-06	trans-acting-o	2.73E-12
570	CpG_island	0.71935484	9.08E-06	trans-acting-o	2.73E-12
529	CpG_island	0.74516129	1.07E-05	trans-acting-o	2.74E-12

	416 CpG_shore	0.74596774	1.10E-06	trans-acting-o	2.74E-12
	578 CpG_island	-0.72459677	1.03E-05	trans-acting-o	2.76E-12
	365 CpG_island	-0.70927419	5.42E-06	trans-acting-o	2.76E-12
	57 CpG_shore	-0.72258065	8.54E-06	trans-acting-o	2.81E-12
	772 CpG_island	0.70766129	1.55E-05	trans-acting-o	2.81E-12
	101 Outside_CpG_	0.74556452	3.66E-06	trans-acting-o	2.82E-12
	386 Outside_CpG_	-0.73266129	2.97E-06	trans-acting-o	2.83E-12
	340 CpG_island	0.73185484	4.67E-06	trans-acting-o	2.86E-12
	67 CpG_island	0.73495312	2.50E-06	trans-acting-o	2.86E-12
	4 CpG_island	0.70282258	1.06E-05	trans-acting-o	2.87E-12
	113 CpG_shore	0.72096774	9.08E-06	trans-acting-o	2.87E-12
	1017 Outside_CpG_	0.77580645	8.28E-06	trans-acting-o	2.88E-12
	429 CpG_island	-0.71532258	1.72E-05	trans-acting-o	2.89E-12
	409 CpG_shore	-0.70322581	1.08E-06	trans-acting-o	2.90E-12
	291 CpG_island	0.72137097	8.94E-06	trans-acting-o	2.90E-12
	46 CpG_shore	-0.73064516	1.89E-06	trans-acting-o	2.90E-12
	76 CpG_island	-0.70282258	1.80E-05	trans-acting-o	2.90E-12
	104 Outside_CpG_	0.7	2.12E-06	trans-acting-o	2.90E-12
	232 Outside_CpG_	-0.70120968	1.91E-05	trans-acting-o	2.91E-12
	876 CpG_island	-0.70956036	7.84E-06	trans-acting-o	2.91E-12
	549 CpG_island	-0.73024194	1.31E-05	trans-acting-o	2.92E-12
	151 CpG_shore	-0.76612903	1.91E-06	trans-acting-o	2.94E-12
	119 Outside_CpG_	-0.71975806	9.50E-06	trans-acting-o	2.94E-12
	110 CpG_island	-0.7141129	1.65E-06	trans-acting-o	2.96E-12
	102 CpG_island	-0.70927419	1.27E-05	trans-acting-o	2.96E-12
	370 CpG_island	-0.71196694	4.58E-06	trans-acting-o	3.00E-12
	459 CpG_shore	0.72419355	8.03E-06	trans-acting-o	3.04E-12
	1047 CpG_island	0.72177419	1.03E-05	trans-acting-o	3.05E-12
	179 CpG_island	-0.7233871	7.11E-06	trans-acting-o	3.05E-12
	162 CpG_shore	0.7	1.11E-05	trans-acting-o	3.06E-12
	419 Outside_CpG_	0.71532258	1.99E-05	trans-acting-o	3.06E-12
	469 CpG_island	0.76935484	8.03E-06	trans-acting-o	3.09E-12
	368 CpG_shore	0.74153226	1.85E-05	trans-acting-o	3.10E-12
	1294 Outside_CpG_	-0.74193548	4.16E-06	trans-acting-o	3.10E-12
	99 CpG_island	0.725	1.52E-06	trans-acting-o	3.12E-12
	360 CpG_island	-0.72620968	7.44E-06	trans-acting-o	3.12E-12
	67 CpG_shore	0.72903226	6.69E-06	trans-acting-o	3.13E-12
	272 CpG_island	-0.70282258	3.01E-06	trans-acting-o	3.13E-12
	69 Outside_CpG_	0.70120968	1.91E-05	trans-acting-o	3.14E-12
	63 CpG_shore	-0.7125	5.50E-06	trans-acting-o	3.15E-12
	959 CpG_island	-0.70080645	1.93E-05	trans-acting-o	3.15E-12
	548 CpG_shore	0.70524194	1.01E-06	trans-acting-o	3.17E-12
	498 CpG_island	-0.72419355	1.27E-05	trans-acting-o	3.17E-12
	578 CpG_island	-0.71975806	9.50E-06	trans-acting-o	3.17E-12
	218 CpG_island	-0.725	1.59E-05	trans-acting	3.19E-12
NA	CpG_island	-0.75080645	3.05E-06	trans-acting-o	3.21E-12
	412 CpG_island	0.7125	2.33E-06	trans-acting-o	3.22E-12
	909 CpG_island	0.7858871	6.30E-06	trans-acting-o	3.23E-12
	555 Outside_CpG_	0.73790323	1.16E-05	trans-acting-o	3.23E-12
	1409 CpG_island	0.72177419	6.20E-06	trans-acting-o	3.23E-12

NA	CpG_island	0.70080645	9.36E-06	trans-acting-o	3.26E-12
	221 CpG_island	-0.70040323	1.50E-05	trans-acting-o	3.26E-12
	955 CpG_shore	0.7266129	1.77E-05	trans-acting-o	3.27E-12
	728 CpG_shore	-0.71532258	1.59E-06	trans-acting-o	3.30E-12
	763 Outside_CpG_	0.73548387	8.80E-06	trans-acting-o	3.31E-12
	403 CpG_island	0.70483871	3.76E-06	trans-acting-o	3.31E-12
	171 CpG_island	0.70846774	1.37E-05	trans-acting-o	3.32E-12
	947 CpG_island	0.7608871	4.96E-06	trans-acting-o	3.33E-12
	196 Outside_CpG_	-0.79919355	1.78E-06	trans-acting-o	3.33E-12
	111 Outside_CpG_	-0.7016129	1.11E-05	trans-acting	3.33E-12
	65 CpG_island	0.74354839	2.57E-06	trans-acting-o	3.35E-12
	313 CpG_island	-0.71048387	2.93E-06	trans-acting-o	3.36E-12
	29 Outside_CpG_	-0.71680613	6.15E-06	trans-acting-o	3.36E-12
	296 CpG_island	0.72459677	7.91E-06	trans-acting-o	3.37E-12
	943 CpG_island	-0.70766129	2.78E-06	trans-acting-o	3.37E-12
	863 CpG_shore	0.78991935	8.54E-06	trans-acting-o	3.38E-12
	205 CpG_island	0.70040323	8.28E-06	trans-acting-o	3.40E-12
	296 CpG_island	0.72459677	7.91E-06	trans-acting-o	3.41E-12
	126 CpG_island	0.74193548	4.16E-06	trans-acting-o	3.43E-12
	457 CpG_shore	0.75443548	2.82E-06	trans-acting	3.44E-12
NA	CpG_island	-0.70443548	5.03E-06	trans-acting-o	3.44E-12
	94 CpG_shore	-0.73145161	4.28E-06	trans-acting-o	3.45E-12
	596 Outside_CpG_	-0.7358871	1.87E-06	cis-acting	3.45E-12
	704 Outside_CpG_	0.77741935	1.34E-06	trans-acting-o	3.46E-12
	76 CpG_island	-0.70282258	1.80E-05	trans-acting-o	3.47E-12
	78 Outside_CpG_	0.74395161	1.14E-05	trans-acting-o	3.47E-12
	988 Outside_CpG_	-0.70282258	7.33E-06	trans-acting-o	3.50E-12
	503 CpG_island	-0.73374332	2.64E-06	trans-acting-o	3.50E-12
	1328 Outside_CpG_	-0.70846774	1.09E-05	trans-acting-o	3.50E-12
	263 CpG_island	0.72580645	1.64E-05	trans-acting-o	3.51E-12
	353 CpG_shore	0.74516129	1.62E-05	trans-acting-o	3.55E-12
	274 CpG_island	0.71169355	1.04E-05	trans-acting-o	3.57E-12
	147 Outside_CpG_	0.70241935	1.91E-05	trans-acting-o	3.60E-12
	11 Outside_CpG_	-0.75806452	8.54E-06	trans-acting-o	3.61E-12
	245 CpG_shore	0.70201613	1.85E-05	trans-acting-o	3.61E-12
	300 CpG_island	-0.71532258	1.74E-05	trans-acting-o	3.61E-12
	30 CpG_island	0.70120968	1.91E-05	trans-acting-o	3.61E-12
	141 CpG_island	0.75967742	2.30E-06	trans-acting-o	3.62E-12
	581 Outside_CpG_	0.70362903	1.35E-05	trans-acting-o	3.62E-12
	118 CpG_island	0.72137097	1.33E-05	trans-acting-o	3.63E-12
	108 CpG_island	0.71370968	1.19E-05	trans-acting-o	3.63E-12
	248 CpG_shore	0.75524194	2.64E-06	trans-acting-o	3.65E-12
	128 CpG_island	0.72540323	7.22E-06	trans-acting-o	3.66E-12
	551 CpG_island	-0.83387097	6.41E-07	trans-acting-o	3.66E-12
	76 Outside_CpG_	-0.71975806	2.05E-06	trans-acting-o	3.67E-12
	150 CpG_island	-0.70120968	1.72E-05	trans-acting-o	3.69E-12
	9 CpG_island	0.72016129	1.88E-05	trans-acting-o	3.69E-12
	231 CpG_island	0.70483871	1.57E-05	trans-acting-o	3.71E-12
	38 CpG_island	0.70282258	1.37E-05	trans-acting-o	3.72E-12
	8 CpG_island	0.70040323	1.52E-05	trans-acting-o	3.73E-12

	282	CpG_island	0.74516129	3.71E-06	trans-acting-o	3.73E-12
	76	CpG_island	-0.70282258	1.80E-05	trans-acting-o	3.77E-12
	1145	CpG_shore	-0.70120968	1.01E-05	trans-acting-o	3.78E-12
	453	Outside_CpG_	0.7016129	1.23E-05	trans-acting-o	3.81E-12
	104	CpG_shore	-0.70120968	2.64E-06	trans-acting-o	3.81E-12
	461	CpG_island	0.72782258	7.00E-06	trans-acting-o	3.81E-12
	206	CpG_island	0.7	1.74E-05	trans-acting-o	3.82E-12
	587	CpG_island	0.7125	1.25E-05	trans-acting-o	3.83E-12
	33	CpG_island	0.72137097	4.60E-06	trans-acting-o	3.83E-12
NA		CpG_island	0.74072581	4.34E-06	trans-acting-o	3.86E-12
	1409	CpG_island	0.72177419	6.20E-06	trans-acting-o	3.87E-12
	328	CpG_island	0.74758065	3.46E-06	trans-acting-o	3.89E-12
	245	Outside_CpG_	0.71370968	2.14E-06	trans-acting-o	3.89E-12
	123	CpG_shore	0.70443548	1.45E-06	trans-acting-o	3.90E-12
	119	CpG_island	0.73508065	2.78E-06	trans-acting-o	3.93E-12
	652	Outside_CpG_	-0.70120968	1.91E-05	trans-acting-o	3.93E-12
	288	CpG_island	0.72540323	9.65E-06	trans-acting-o	3.97E-12
	467	Outside_CpG_	-0.71290323	1.23E-05	trans-acting-o	3.98E-12
	254	CpG_island	0.75766129	1.19E-06	trans-acting-o	3.98E-12
NA		CpG_island	0.74072581	4.34E-06	trans-acting-o	3.99E-12
	275	CpG_island	-0.70524194	2.12E-06	trans-acting-o	4.00E-12
	252	CpG_island	0.70604839	5.03E-06	trans-acting-o	4.00E-12
	232	Outside_CpG_	-0.70120968	1.31E-05	trans-acting-o	4.03E-12
	226	CpG_island	-0.71209677	2.57E-06	trans-acting-o	4.04E-12
	281	CpG_island	-0.73138281	1.42E-06	trans-acting-o	4.08E-12
	360	CpG_island	0.76217361	3.85E-06	trans-acting-o	4.09E-12
	30	CpG_island	0.72540323	8.67E-06	trans-acting-o	4.09E-12
	258	Outside_CpG_	0.77258065	9.08E-06	trans-acting-o	4.13E-12
	207	Outside_CpG_	0.7016129	1.82E-05	trans-acting-o	4.13E-12
	77	CpG_shore	-0.71693548	1.31E-05	trans-acting-o	4.14E-12
	703	CpG_shore	-0.71975806	1.77E-05	trans-acting-o	4.15E-12
	781	Outside_CpG_	0.70604839	1.69E-06	trans-acting-o	4.16E-12
	158	CpG_island	-0.75524194	2.64E-06	trans-acting-o	4.17E-12
	9	CpG_island	0.72016129	1.88E-05	trans-acting-o	4.19E-12
	100	CpG_island	0.72822581	6.90E-06	trans-acting-o	4.19E-12
	861	CpG_island	0.72016129	9.36E-06	trans-acting-o	4.20E-12
	457	CpG_shore	-0.76620627	1.33E-06	trans-acting-o	4.22E-12
	18	CpG_island	-0.71693548	6.69E-06	trans-acting-o	4.22E-12
	1	CpG_island	0.70604839	7.11E-06	trans-acting-o	4.24E-12
	70	CpG_shore	0.78870968	9.24E-07	trans-acting-o	4.26E-12
	28	CpG_shore	0.76935484	1.76E-06	trans-acting-o	4.26E-12
	894	CpG_shore	-0.70927419	1.19E-05	trans-acting-o	4.27E-12
	189	CpG_island	0.77459677	1.55E-06	trans-acting-o	4.30E-12
	1496	Outside_CpG_	0.72540323	1.33E-05	trans-acting-o	4.31E-12
	32	CpG_island	-0.70806452	1.48E-05	trans-acting-o	4.31E-12
	110	CpG_island	-0.70887097	8.67E-06	trans-acting-o	4.33E-12
	62	Outside_CpG_	-0.73790323	4.74E-06	trans-acting-o	4.34E-12
	150	Outside_CpG_	0.71653226	1.06E-05	trans-acting-o	4.35E-12
	378	CpG_island	0.75322581	1.80E-05	trans-acting-o	4.35E-12
	176	CpG_island	0.71008065	1.48E-06	trans-acting-o	4.35E-12

406	CpG_shore	-0.73172699	7.91E-06	trans-acting-o	4.36E-12
827	CpG_island	-0.74516129	7.79E-06	trans-acting-o	4.38E-12
42	Outside_CpG_	0.81129032	1.06E-05	trans-acting-o	4.39E-12
406	CpG_shore	-0.73172699	2.68E-06	trans-acting-o	4.42E-12
384	CpG_shore	-0.70080645	8.41E-06	trans-acting-o	4.44E-12
51	Outside_CpG_	-0.71129032	5.67E-06	trans-acting-o	4.45E-12
728	CpG_island	-0.71854839	8.80E-06	trans-acting-o	4.47E-12
137	CpG_island	0.70967742	1.45E-05	trans-acting-o	4.48E-12
74	CpG_island	-0.70927419	2.78E-06	trans-acting-o	4.48E-12
1328	Outside_CpG_	-0.70846774	1.18E-06	trans-acting-o	4.50E-12
241	CpG_shore	0.70040323	1.96E-05	trans-acting-o	4.52E-12
1431	CpG_island	-0.74516129	3.71E-06	trans-acting-o	4.53E-12
146	CpG_shore	-0.73104839	6.20E-06	trans-acting-o	4.55E-12
327	CpG_island	0.74019559	1.94E-06	trans-acting-o	4.55E-12
771	CpG_island	0.70524194	1.64E-05	trans-acting-o	4.55E-12
136	Outside_CpG_	-0.71451613	6.20E-06	trans-acting-o	4.62E-12
590	CpG_island	-0.71136204	1.77E-05	trans-acting-o	4.62E-12
156	CpG_island	-0.70282258	5.50E-06	trans-acting-o	4.63E-12
151	CpG_island	0.70927419	6.11E-06	trans-acting-o	4.68E-12
462	CpG_island	-0.72379032	9.97E-07	trans-acting-o	4.68E-12
415	CpG_island	0.70282258	9.80E-06	trans-acting-o	4.69E-12
1351	CpG_island	-0.71169355	7.11E-06	trans-acting-o	4.70E-12
81	CpG_shore	-0.71451613	9.36E-06	trans-acting-o	4.71E-12
170	CpG_shore	0.77580645	1.80E-05	trans-acting-o	4.71E-12
347	CpG_shore	0.71693548	1.57E-05	trans-acting	4.72E-12
532	Outside_CpG_	-0.72943548	5.84E-06	trans-acting-o	4.76E-12
98	CpG_island	0.71330645	1.59E-05	trans-acting-o	4.77E-12
409	CpG_island	0.71491935	1.14E-05	trans-acting-o	4.78E-12
351	CpG_island	0.76733871	2.93E-06	trans-acting-o	4.79E-12
715	Outside_CpG_	0.7483871	7.91E-06	trans-acting-o	4.82E-12
779	CpG_shore	0.7016129	9.65E-06	trans-acting-o	4.83E-12
298	CpG_island	0.74596774	1.53E-06	trans-acting-o	4.84E-12
42	CpG_shore	-0.72016129	9.91E-07	trans-acting-o	4.91E-12
18	CpG_island	-0.76370968	3.98E-06	trans-acting-o	4.94E-12
296	CpG_island	-0.76169355	2.17E-06	trans-acting-o	4.94E-12
535	Outside_CpG_	-0.70645161	1.57E-05	trans-acting-o	4.97E-12
15	CpG_island	-0.7233871	3.18E-06	trans-acting-o	4.98E-12
487	CpG_island	-0.74274194	5.84E-06	trans-acting-o	4.99E-12
1413	Outside_CpG_	-0.72298387	1.04E-05	trans-acting-o	5.01E-12
54	CpG_island	0.70443548	1.77E-05	trans-acting-o	5.02E-12
730	CpG_shore	0.70725806	1.98E-06	trans-acting-o	5.02E-12
1469	Outside_CpG_	0.70322581	1.23E-05	trans-acting-o	5.03E-12
1431	CpG_island	-0.74516129	3.71E-06	trans-acting-o	5.04E-12
467	Outside_CpG_	-0.71290323	1.23E-05	trans-acting-o	5.08E-12
36	Outside_CpG_	-0.78145161	1.43E-05	trans-acting-o	5.09E-12
151	Outside_CpG_	-0.71451613	1.16E-05	trans-acting-o	5.09E-12
253	Outside_CpG_	0.7625	2.05E-06	trans-acting-o	5.10E-12
809	CpG_island	-0.78145161	1.31E-05	trans-acting-o	5.13E-12
290	Outside_CpG_	-0.76854839	1.45E-05	trans-acting-o	5.18E-12
50	CpG_shore	0.70241935	7.11E-06	trans-acting-o	5.19E-12



NA	591	CpG_island	-0.76612903	1.62E-06	trans-acting-o	5.21E-12
	221	CpG_island	0.7	9.95E-06	trans-acting-o	5.27E-12
	50	Outside_CpG_	0.7016129	6.69E-06	trans-acting-o	5.27E-12
	69	CpG_shore	-0.72782258	7.00E-06	trans-acting-o	5.27E-12
	196	CpG_island	0.70927419	2.97E-06	trans-acting-o	5.27E-12
	739	Outside_CpG_	-0.82540323	1.21E-05	trans-acting	5.28E-12
		CpG_island	0.73830645	4.60E-06	trans-acting-o	5.28E-12
	285	CpG_island	-0.7483871	3.31E-06	trans-acting-o	5.28E-12
	152	CpG_island	-0.71290323	1.43E-05	trans-acting-o	5.31E-12
	324	CpG_shore	0.70443548	3.27E-06	trans-acting-o	5.31E-12
	256	CpG_island	0.74314516	3.98E-06	trans-acting-o	5.32E-12
	129	CpG_island	-0.70120968	1.91E-05	trans-acting-o	5.36E-12
	792	CpG_island	0.71895161	1.62E-05	trans-acting-o	5.37E-12
	1104	Outside_CpG_	-0.72096774	1.50E-05	trans-acting	5.42E-12
	1028	CpG_island	-0.76935484	1.69E-06	trans-acting-o	5.43E-12
	217	CpG_island	0.73870968	1.19E-05	trans-acting-o	5.46E-12
	533	CpG_island	-0.76209677	2.14E-06	trans-acting-o	5.46E-12
	194	Outside_CpG_	-0.75322581	4.60E-06	trans-acting-o	5.48E-12
	1187	CpG_island	-0.77217742	1.64E-05	trans-acting-o	5.50E-12
	42	Outside_CpG_	0.81975806	7.79E-06	trans-acting-o	5.53E-12
	416	CpG_shore	0.74596774	1.10E-06	trans-acting-o	5.53E-12
	204	CpG_island	0.73434822	3.19E-06	trans-acting-o	5.56E-12
	460	CpG_island	-0.70282258	1.80E-05	trans-acting-o	5.58E-12
	1285	Outside_CpG_	0.70927419	1.94E-06	trans-acting-o	5.59E-12
	9	CpG_island	0.72016129	1.41E-05	trans-acting-o	5.60E-12
	522	CpG_island	-0.72379032	1.67E-05	trans-acting-o	5.61E-12
	166	CpG_shore	-0.72620968	7.44E-06	trans-acting-o	5.63E-12
	389	CpG_shore	-0.71532258	1.72E-05	trans-acting-o	5.66E-12
	564	Outside_CpG_	0.70604839	3.10E-06	trans-acting-o	5.67E-12
	829	Outside_CpG_	0.74516129	1.99E-05	trans-acting-o	5.69E-12
	42	CpG_shore	0.73225806	9.50E-06	trans-acting-o	5.70E-12
NA		CpG_island	0.70443548	1.88E-05	trans-acting-o	5.72E-12
	1366	CpG_shore	-0.70120968	5.58E-06	trans-acting-o	5.73E-12
	581	Outside_CpG_	0.70362903	1.35E-05	trans-acting-o	5.77E-12
	194	CpG_shore	-0.76653226	1.89E-06	trans-acting-o	5.78E-12
	462	CpG_island	-0.72379032	8.41E-06	trans-acting-o	5.80E-12
	818	CpG_shore	0.73669355	8.16E-06	trans-acting-o	5.80E-12
	964	CpG_island	-0.74274194	3.92E-06	trans-acting-o	5.81E-12
	33	CpG_island	-0.70887097	1.43E-05	trans-acting-o	5.83E-12
	338	CpG_island	0.74919355	3.22E-06	trans-acting-o	5.85E-12
	7	CpG_island	0.73185484	1.23E-05	trans-acting-o	5.86E-12
	62	Outside_CpG_	-0.73790323	4.74E-06	trans-acting-o	5.86E-12
	203	Outside_CpG_	0.70362903	5.58E-06	trans-acting-o	5.87E-12
	281	CpG_island	-0.75403226	1.45E-05	trans-acting-o	5.88E-12
	98	CpG_island	0.71330645	1.21E-05	trans-acting-o	5.90E-12
	639	Outside_CpG_	-0.70685484	6.69E-06	trans-acting-o	5.90E-12
	382	CpG_island	-0.74637097	3.55E-06	trans-acting-o	5.93E-12
	614	CpG_island	-0.70604839	1.91E-05	trans-acting-o	5.94E-12
	1170	CpG_island	0.83508065	3.87E-06	trans-acting-o	5.96E-12
	522	CpG_island	-0.72379032	1.67E-05	trans-acting-o	5.98E-12

	14	Outside_CpG_	0.81975806	1.41E-05	trans-acting-o	5.98E-12
	1248	CpG_island	-0.70645161	1.57E-05	trans-acting-o	5.98E-12
	68	CpG_island	-0.72137097	5.18E-06	trans-acting-o	5.99E-12
	863	CpG_shore	0.78991935	5.84E-06	trans-acting-o	6.06E-12
	368	CpG_shore	0.74153226	2.22E-06	trans-acting-o	6.08E-12
	262	CpG_island	0.7016129	4.10E-06	trans-acting-o	6.12E-12
	629	Outside_CpG_	0.73346774	1.74E-05	trans-acting-o	6.13E-12
	7	CpG_shore	0.71653226	1.91E-06	trans-acting-o	6.16E-12
	352	CpG_island	0.70645161	1.57E-05	trans-acting-o	6.17E-12
	226	Outside_CpG_	-0.75080645	3.05E-06	trans-acting-o	6.20E-12
	60	CpG_island	-0.71048387	1.35E-05	trans-acting-o	6.20E-12
	186	CpG_island	0.70443548	1.69E-05	trans-acting-o	6.23E-12
	157	CpG_island	0.75604839	7.22E-06	trans-acting-o	6.23E-12
	37	Outside_CpG_	-0.72943548	1.23E-05	trans-acting-o	6.23E-12
	67	CpG_shore	0.72903226	6.69E-06	trans-acting-o	6.24E-12
	457	CpG_island	0.72540323	1.85E-05	trans-acting-o	6.27E-12
	95	CpG_island	-0.72540323	7.67E-06	trans-acting-o	6.27E-12
	321	CpG_island	0.70362903	1.13E-06	trans-acting	6.27E-12
	118	CpG_shore	0.71169355	1.29E-05	trans-acting-o	6.30E-12
	233	CpG_shore	0.74435484	2.86E-06	trans-acting-o	6.30E-12
	481	CpG_island	0.73104839	6.20E-06	trans-acting-o	6.33E-12
	104	CpG_island	0.72580645	1.82E-05	trans-acting-o	6.35E-12
	191	CpG_island	-0.71015224	7.64E-06	trans-acting-o	6.39E-12
	9	CpG_island	0.72016129	5.93E-06	trans-acting-o	6.41E-12
	194	Outside_CpG_	-0.75322581	4.60E-06	trans-acting-o	6.45E-12
	578	CpG_island	-0.72459677	7.91E-06	trans-acting-o	6.46E-12
	168	Outside_CpG_	0.70322581	4.54E-06	trans-acting-o	6.46E-12
	359	CpG_island	-0.73918742	9.36E-06	trans-acting-o	6.51E-12
NA		CpG_island	-0.73709677	4.96E-06	trans-acting-o	6.54E-12
	79	CpG_island	0.70846774	1.45E-05	trans-acting	6.58E-12
	242	CpG_island	-0.74233871	4.10E-06	trans-acting-o	6.63E-12
NA		CpG_island	-0.70443548	1.69E-05	trans-acting-o	6.65E-12
	4	Outside_CpG_	0.71209677	1.59E-05	trans-acting-o	6.68E-12
	33	CpG_island	-0.71693548	4.41E-06	trans-acting-o	6.70E-12
	33	CpG_island	-0.71693548	4.41E-06	trans-acting-o	6.70E-12
	982	Outside_CpG_	-0.79798387	9.36E-06	trans-acting-o	6.71E-12
	359	CpG_island	-0.725	7.79E-06	trans-acting	6.72E-12
	715	Outside_CpG_	0.7483871	7.91E-06	trans-acting-o	6.87E-12
	673	CpG_island	-0.71169355	1.62E-05	trans-acting-o	6.87E-12
	470	Outside_CpG_	0.74717742	1.18E-05	trans-acting-o	6.88E-12
	863	CpG_shore	0.78991935	8.54E-06	trans-acting-o	6.89E-12
	266	CpG_island	-0.7016129	4.70E-06	trans-acting-o	6.91E-12
	242	Outside_CpG_	-0.7	5.11E-06	trans-acting-o	6.92E-12
	1162	CpG_shore	-0.74879032	3.27E-06	trans-acting-o	6.95E-12
	818	Outside_CpG_	0.72741935	7.11E-06	trans-acting-o	6.97E-12
	79	CpG_island	0.70846774	1.45E-05	trans-acting	6.99E-12
	683	CpG_shore	0.72217742	8.67E-06	cis-acting	7.07E-12
	603	CpG_island	-0.73064516	6.30E-06	trans-acting-o	7.09E-12
	94	CpG_island	-0.70645161	1.33E-05	trans-acting-o	7.12E-12
	273	CpG_island	-0.75080645	3.05E-06	trans-acting-o	7.14E-12

1285	Outside_CpG_	0.70927419	1.94E-06	trans-acting-o	7.15E-12
1229	Outside_CpG_	0.76774194	1.34E-06	trans-acting-o	7.15E-12
123	CpG_island	-0.73104839	1.88E-05	trans-acting-o	7.18E-12
300	CpG_island	0.71129032	8.03E-06	trans-acting-o	7.19E-12
188	CpG_shore	-0.77016129	4.67E-06	trans-acting-o	7.20E-12
29	CpG_island	0.71370968	8.16E-06	trans-acting-o	7.25E-12
101	Outside_CpG_	0.74556452	3.66E-06	trans-acting-o	7.39E-12
293	CpG_island	0.73051719	7.19E-06	trans-acting-o	7.40E-12
357	CpG_island	-0.73225806	7.22E-06	trans-acting-o	7.43E-12
389	CpG_island	-0.70483871	1.67E-05	trans-acting-o	7.43E-12
334	CpG_island	0.725	7.00E-06	trans-acting-o	7.45E-12
817	CpG_island	0.7	1.39E-05	trans-acting-o	7.46E-12
522	CpG_island	-0.72379032	1.67E-05	trans-acting-o	7.46E-12
771	CpG_island	0.70524194	1.64E-05	trans-acting-o	7.49E-12
1454	CpG_shore	0.70887097	1.07E-05	trans-acting-o	7.52E-12
60	CpG_shore	-0.70524194	3.92E-06	trans-acting-o	7.53E-12
735	Outside_CpG_	0.81975806	1.07E-05	trans-acting-o	7.56E-12
43	CpG_island	0.72701613	1.99E-05	trans-acting-o	7.56E-12
414	CpG_island	0.71008065	8.94E-06	trans-acting-o	7.57E-12
449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	7.58E-12
384	CpG_shore	-0.70080645	8.41E-06	trans-acting-o	7.58E-12
115	CpG_island	-0.7125	6.80E-06	trans-acting-o	7.63E-12
347	CpG_island	0.76653226	1.29E-05	trans-acting-o	7.67E-12
384	CpG_island	-0.71693548	9.95E-06	trans-acting-o	7.83E-12
594	Outside_CpG_	0.70806452	1.23E-05	trans-acting-o	7.83E-12
863	CpG_shore	0.78991935	7.33E-06	trans-acting-o	7.84E-12
735	Outside_CpG_	0.81975806	1.07E-05	trans-acting-o	8.00E-12
367	CpG_island	0.73737272	4.22E-06	trans-acting-o	8.03E-12
1371	CpG_island	-0.70927419	1.96E-05	trans-acting-o	8.07E-12
696	CpG_island	0.70685484	6.20E-06	trans-acting-o	8.11E-12
265	Outside_CpG_	0.7	1.35E-05	trans-acting-o	8.17E-12
326	CpG_island	-0.71451613	1.43E-05	trans-acting-o	8.19E-12
772	CpG_island	0.70766129	1.55E-05	trans-acting-o	8.20E-12
919	CpG_island	0.72540323	7.67E-06	trans-acting-o	8.22E-12
863	CpG_shore	0.78991935	8.54E-06	trans-acting-o	8.23E-12
509	CpG_island	0.74112903	7.79E-06	trans-acting-o	8.26E-12
77	CpG_shore	-0.71693548	1.31E-05	trans-acting-o	8.27E-12
356	CpG_island	0.70282258	1.50E-05	trans-acting	8.29E-12
751	CpG_island	-0.70241935	3.27E-06	trans-acting-o	8.29E-12
1345	CpG_island	-0.71451613	1.25E-05	trans-acting-o	8.34E-12
919	CpG_island	0.72540323	7.67E-06	trans-acting-o	8.34E-12
300	Outside_CpG_	0.78870968	7.22E-06	trans-acting	8.35E-12
739	Outside_CpG_	-0.82540323	1.21E-05	trans-acting	8.37E-12
1327	CpG_shore	0.72459677	2.48E-06	trans-acting-o	8.38E-12
682	CpG_island	-0.71532258	1.96E-05	trans-acting-o	8.38E-12
364	Outside_CpG_	0.71169355	9.50E-06	trans-acting-o	8.40E-12
1455	CpG_island	0.7219064	4.56E-06	trans-acting-o	8.42E-12
157	CpG_shore	-0.71733871	8.41E-06	trans-acting-o	8.42E-12
288	CpG_island	-0.7	9.95E-06	trans-acting-o	8.51E-12
239	CpG_island	-0.73011393	1.21E-05	trans-acting-o	8.52E-12

150	CpG_island	-0.70120968	1.72E-05	trans-acting-o	8.52E-12
248	Outside_CpG_	0.70806452	4.47E-06	trans-acting	8.53E-12
233	CpG_shore	0.74435484	2.86E-06	trans-acting-o	8.54E-12
43	CpG_island	0.72701613	1.99E-05	trans-acting-o	8.54E-12
210	CpG_island	-0.71290323	9.80E-06	trans-acting-o	8.55E-12
198	Outside_CpG_	0.73870968	4.67E-06	trans-acting-o	8.56E-12
264	CpG_island	-0.7845549	8.92E-06	trans-acting-o	8.59E-12
139	CpG_island	-0.70806452	1.48E-05	trans-acting-o	8.62E-12
98	CpG_island	0.71330645	1.67E-05	trans-acting-o	8.70E-12
43	CpG_island	0.73548387	1.18E-05	trans-acting-o	8.70E-12
467	Outside_CpG_	-0.71290323	1.23E-05	trans-acting-o	8.74E-12
171	CpG_island	0.71922573	5.14E-06	trans-acting-o	8.76E-12
195	CpG_island	0.71733871	1.04E-05	trans-acting-o	8.78E-12
406	CpG_shore	-0.73172699	7.91E-06	trans-acting-o	8.79E-12
172	CpG_shore	-0.7016129	7.11E-06	trans-acting-o	8.79E-12
961	Outside_CpG_	-0.7233871	3.50E-06	trans-acting-o	8.82E-12
484	CpG_island	-0.74556452	3.66E-06	trans-acting-o	8.87E-12
822	CpG_shore	-0.73266129	5.75E-06	trans-acting-o	8.88E-12
939	CpG_island	0.7	1.04E-05	trans-acting-o	8.88E-12
416	CpG_shore	0.73709677	4.96E-06	trans-acting-o	8.92E-12
721	Outside_CpG_	-0.70524194	1.14E-05	trans-acting-o	9.03E-12
210	CpG_island	-0.74153226	4.22E-06	trans-acting-o	9.03E-12
1065	CpG_island	0.70080645	2.00E-06	cis-acting	9.07E-12
263	CpG_island	0.70645161	4.47E-06	trans-acting-o	9.19E-12
140	Outside_CpG_	0.74072581	4.34E-06	trans-acting	9.20E-12
1222	CpG_island	-0.70403226	9.80E-06	trans-acting-o	9.20E-12
260	CpG_island	0.7111604	7.32E-06	trans-acting-o	9.21E-12
210	CpG_island	-0.71290323	5.03E-06	trans-acting-o	9.24E-12
214	CpG_island	0.7	1.96E-05	trans-acting-o	9.32E-12
210	CpG_island	-0.71290323	3.36E-06	trans-acting-o	9.38E-12
819	CpG_island	0.7108871	1.14E-05	trans-acting-o	9.40E-12
79	Outside_CpG_	0.7	3.22E-06	trans-acting-o	9.41E-12
137	CpG_island	0.81129032	8.80E-06	trans-acting-o	9.43E-12
606	CpG_island	0.70524194	1.64E-05	trans-acting-o	9.44E-12
85	CpG_island	-0.73709677	1.62E-05	trans-acting-o	9.45E-12
59	CpG_shore	0.75403226	1.67E-05	trans-acting-o	9.46E-12
712	CpG_island	-0.74556452	2.12E-06	trans-acting	9.49E-12
919	CpG_island	0.72540323	7.67E-06	trans-acting-o	9.49E-12
919	CpG_island	0.72540323	7.67E-06	trans-acting-o	9.49E-12
961	Outside_CpG_	-0.7233871	1.52E-05	trans-acting-o	9.49E-12
939	Outside_CpG_	-0.71653226	1.07E-05	trans-acting-o	9.55E-12
1268	CpG_island	0.70766129	1.50E-05	trans-acting-o	9.60E-12
472	CpG_island	-0.7358871	3.46E-06	trans-acting-o	9.61E-12
351	CpG_island	-0.70967742	9.80E-06	trans-acting-o	9.62E-12
721	Outside_CpG_	-0.70524194	1.64E-05	trans-acting	9.65E-12
637	CpG_island	-0.75806452	2.42E-06	trans-acting-o	9.67E-12
307	CpG_island	-0.70040323	1.96E-05	trans-acting-o	9.68E-12
280	CpG_island	-0.70080645	5.58E-06	trans-acting-o	9.70E-12
48	CpG_island	0.72096774	9.08E-06	trans-acting-o	9.71E-12
207	Outside_CpG_	0.7016129	1.82E-05	trans-acting-o	9.72E-12

	214	CpG_island	0.7	1.96E-05	trans-acting-o	9.73E-12
	772	CpG_island	0.70766129	1.55E-05	trans-acting-o	9.79E-12
	440	CpG_shore	-0.72983871	4.34E-06	trans-acting	9.81E-12
	16	CpG_island	0.70322581	1.14E-05	trans-acting-o	9.81E-12
	328	CpG_island	0.70362903	1.45E-05	trans-acting-o	9.82E-12
	296	CpG_island	0.73306452	2.89E-06	trans-acting-o	9.82E-12
	9	CpG_island	0.72016129	1.41E-05	trans-acting-o	9.88E-12
	372	CpG_island	0.70120968	1.09E-05	trans-acting-o	9.93E-12
	62	CpG_island	0.73508065	1.33E-05	trans-acting-o	1.01E-11
	60	CpG_shore	0.7	9.22E-06	trans-acting-o	1.01E-11
	127	Outside_CpG_	-0.72701613	7.22E-06	trans-acting-o	1.01E-11
	18	CpG_island	-0.76370968	1.35E-05	trans-acting-o	1.02E-11
	1018	CpG_island	0.7263374	3.73E-06	trans-acting-o	1.02E-11
	571	CpG_island	-0.73951613	9.08E-06	trans-acting-o	1.02E-11
	86	CpG_island	-0.73024194	7.56E-06	trans-acting-o	1.03E-11
	1336	CpG_shore	-0.70282258	1.80E-05	trans-acting-o	1.03E-11
	66	CpG_shore	-0.76935484	1.67E-05	trans-acting	1.03E-11
	673	CpG_island	-0.71169355	1.29E-05	trans-acting-o	1.03E-11
	81	CpG_island	-0.76935484	4.16E-06	trans-acting-o	1.04E-11
	400	CpG_island	-0.73548387	5.26E-06	trans-acting-o	1.05E-11
	47	Outside_CpG_	0.73669355	5.03E-06	trans-acting-o	1.05E-11
	4	Outside_CpG_	0.71209677	1.59E-05	trans-acting-o	1.05E-11
	574	Outside_CpG_	0.70322581	1.41E-05	trans-acting-o	1.05E-11
	368	CpG_shore	0.74153226	1.93E-05	trans-acting	1.05E-11
NA		CpG_island	0.70208691	1.07E-05	trans-acting	1.05E-11
	157	CpG_island	0.75604839	2.57E-06	trans-acting-o	1.06E-11
	677	CpG_shore	0.70524194	1.64E-05	trans-acting-o	1.06E-11
	67	Outside_CpG_	-0.7125	1.25E-05	trans-acting-o	1.06E-11
	58	CpG_shore	0.73346774	5.67E-06	trans-acting-o	1.06E-11
	782	Outside_CpG_	0.75403226	1.69E-05	trans-acting-o	1.06E-11
	642	Outside_CpG_	0.71983063	1.82E-05	trans-acting-o	1.06E-11
	428	CpG_island	0.70241935	4.41E-06	trans-acting-o	1.06E-11
	693	Outside_CpG_	-0.70846774	8.54E-06	trans-acting	1.06E-11
	221	CpG_island	-0.73104839	9.22E-06	trans-acting-o	1.07E-11
	994	CpG_island	0.70241935	1.82E-05	trans-acting-o	1.07E-11
	4	Outside_CpG_	0.75685484	2.86E-06	trans-acting-o	1.08E-11
	301	CpG_island	0.7	2.78E-06	trans-acting-o	1.08E-11
	272	Outside_CpG_	0.70887097	5.18E-06	trans-acting-o	1.08E-11
	319	CpG_island	-0.7125	1.48E-05	trans-acting-o	1.08E-11
	153	CpG_island	0.70201613	9.08E-06	trans-acting-o	1.08E-11
NA		CpG_island	0.7	1.99E-05	trans-acting-o	1.09E-11
	639	Outside_CpG_	-0.70685484	1.31E-05	trans-acting-o	1.09E-11
	174	CpG_island	0.70403226	1.72E-05	trans-acting-o	1.09E-11
NA		CpG_island	0.72862903	8.41E-06	trans-acting-o	1.09E-11
	336	CpG_island	0.70443548	1.69E-05	trans-acting-o	1.10E-11
	30	CpG_island	0.70080645	5.93E-06	trans-acting-o	1.10E-11
	733	CpG_island	0.71491935	1.14E-05	trans-acting-o	1.10E-11
	368	CpG_shore	0.74153226	1.74E-05	trans-acting-o	1.10E-11
	212	Outside_CpG_	-0.73669355	1.52E-05	trans-acting-o	1.10E-11
	916	CpG_island	-0.70766129	3.31E-06	trans-acting-o	1.10E-11

NA	408 CpG_island	-0.725	7.07E-06	trans-acting-o	1.10E-11
	80 CpG_shore	0.7	5.50E-06	trans-acting-o	1.11E-11
	557 CpG_island	0.72177419	1.80E-05	trans-acting-o	1.11E-11
	745 CpG_island	-0.7141129	3.46E-06	trans-acting-o	1.11E-11
	242 Outside_CpG_	-0.7	1.48E-05	trans-acting-o	1.11E-11
	242 Outside_CpG_	-0.7	1.48E-05	trans-acting-o	1.11E-11
	38 Outside_CpG_	0.72620968	7.44E-06	trans-acting	1.12E-11
	324 CpG_shore	0.70443548	1.21E-05	trans-acting-o	1.12E-11
	328 CpG_island	0.72459677	1.91E-05	trans-acting-o	1.12E-11
	CpG_island	-0.70282258	1.12E-05	trans-acting-o	1.12E-11
	131 CpG_island	0.75403226	6.49E-06	trans-acting-o	1.13E-11
	46 CpG_island	-0.70040323	1.41E-05	trans-acting-o	1.13E-11
	384 CpG_island	-0.71693548	9.95E-06	trans-acting-o	1.15E-11
	746 CpG_shore	0.70967742	1.39E-05	trans-acting-o	1.15E-11
	1371 CpG_island	-0.70927419	1.96E-05	trans-acting-o	1.15E-11
	911 CpG_island	-0.74879032	1.74E-05	trans-acting-o	1.15E-11
	783 CpG_island	-0.7016129	1.88E-05	trans-acting-o	1.15E-11
	61 Outside_CpG_	0.81975806	1.07E-05	trans-acting-o	1.16E-11
	101 Outside_CpG_	0.74556452	3.66E-06	trans-acting-o	1.16E-11
	629 CpG_island	-0.71290323	1.23E-05	trans-acting-o	1.16E-11
	42 CpG_island	0.71209677	1.48E-05	trans-acting-o	1.16E-11
	1198 CpG_shore	0.70322581	1.72E-05	trans-acting-o	1.16E-11
	315 CpG_island	-0.71653226	1.07E-05	trans-acting-o	1.17E-11
	162 CpG_island	0.70766129	1.12E-05	trans-acting-o	1.17E-11
	39 CpG_shore	0.72379032	8.16E-06	trans-acting-o	1.17E-11
	30 CpG_shore	0.7625	5.84E-06	trans-acting-o	1.17E-11
	621 CpG_island	-0.725	1.35E-05	trans-acting	1.17E-11
	567 CpG_shore	0.70927419	7.79E-06	trans-acting-o	1.18E-11
	85 CpG_island	-0.73709677	1.62E-05	trans-acting-o	1.18E-11
	1142 CpG_island	0.72177419	4.47E-06	trans-acting	1.18E-11
	916 CpG_island	-0.70806452	1.37E-05	trans-acting-o	1.20E-11
	49 CpG_shore	0.75	1.77E-05	trans-acting-o	1.20E-11
	421 CpG_island	-0.71290323	1.21E-05	trans-acting-o	1.20E-11
	328 CpG_island	0.71975806	7.91E-06	trans-acting	1.20E-11
	594 CpG_island	0.7016129	1.88E-05	trans-acting-o	1.20E-11
	1130 Outside_CpG_	-0.71774194	7.22E-06	trans-acting-o	1.20E-11
	291 CpG_island	0.72137097	8.94E-06	trans-acting-o	1.21E-11
	123 CpG_shore	0.70443548	9.08E-06	trans-acting-o	1.21E-11
	276 CpG_island	0.74758065	3.41E-06	trans-acting-o	1.21E-11
	389 CpG_island	-0.70483871	1.67E-05	trans-acting-o	1.21E-11
	1175 Outside_CpG_	-0.70524194	9.65E-06	trans-acting	1.21E-11
	359 CpG_island	-0.7358871	5.50E-06	trans-acting-o	1.23E-11
	242 Outside_CpG_	-0.7	3.66E-06	trans-acting-o	1.23E-11
	212 Outside_CpG_	-0.73669355	1.67E-05	trans-acting-o	1.23E-11
	38 CpG_island	0.70443548	5.84E-06	trans-acting-o	1.23E-11
	107 CpG_island	-0.70241935	1.33E-05	trans-acting-o	1.23E-11
	172 CpG_island	0.70564516	1.88E-05	trans-acting-o	1.23E-11
	1447 Outside_CpG_	0.81975806	6.59E-06	trans-acting-o	1.24E-11
	1268 CpG_island	0.70766129	1.50E-05	trans-acting-o	1.25E-11
	409 CpG_shore	0.77580645	9.22E-06	trans-acting-o	1.25E-11

NA	405 CpG_island	-0.70645161	4.96E-06	trans-acting-o	1.25E-11
	CpG_island	0.72862903	8.41E-06	trans-acting-o	1.26E-11
	46 CpG_island	-0.70040323	9.80E-06	trans-acting-o	1.26E-11
	233 CpG_island	0.72540323	1.21E-05	trans-acting-o	1.26E-11
	353 CpG_island	0.71136204	7.26E-06	trans-acting-o	1.26E-11
	127 CpG_shore	-0.70645161	1.57E-05	trans-acting-o	1.27E-11
	891 CpG_island	0.71975806	4.81E-06	trans-acting-o	1.27E-11
	308 CpG_island	-0.70806452	3.92E-06	trans-acting-o	1.27E-11
	365 CpG_island	-0.70927419	5.42E-06	trans-acting-o	1.27E-11
NA	258 CpG_island	-0.72822581	1.14E-05	trans-acting-o	1.27E-11
	CpG_island	0.70322581	1.45E-05	trans-acting-o	1.28E-11
	657 CpG_island	-0.72177419	2.82E-06	trans-acting-o	1.28E-11
	98 CpG_island	-0.70201613	1.99E-05	trans-acting-o	1.28E-11
	60 Outside_CpG_	0.75564516	2.61E-06	trans-acting-o	1.28E-11
	522 CpG_island	-0.72379032	1.67E-05	trans-acting-o	1.28E-11
	13 Outside_CpG_	-0.71693548	4.16E-06	trans-acting-o	1.28E-11
	698 CpG_island	0.74354839	1.85E-05	trans-acting-o	1.29E-11
	38 CpG_island	0.7108871	7.33E-06	trans-acting-o	1.29E-11
	115 CpG_island	0.70887097	8.94E-06	trans-acting-o	1.29E-11
	688 CpG_island	0.72056452	1.12E-05	trans-acting-o	1.29E-11
	20 Outside_CpG_	0.75403226	1.31E-05	trans-acting-o	1.29E-11
	936 CpG_island	0.76532258	9.95E-06	trans-acting-o	1.29E-11
	59 CpG_island	-0.72741935	1.39E-05	trans-acting-o	1.29E-11
	215 CpG_island	0.72822581	6.90E-06	trans-acting-o	1.30E-11
	343 Outside_CpG_	0.72903226	6.69E-06	trans-acting-o	1.31E-11
	1243 CpG_shore	-0.73104839	9.36E-06	trans-acting-o	1.31E-11
	370 Outside_CpG_	0.70564516	1.62E-05	trans-acting-o	1.32E-11
	874 CpG_island	-0.7016129	1.88E-05	trans-acting-o	1.32E-11
	114 CpG_island	-0.7125	1.25E-05	trans-acting-o	1.32E-11
	331 CpG_island	0.70201613	1.85E-05	trans-acting-o	1.33E-11
	1321 CpG_island	-0.7	5.03E-06	trans-acting-o	1.33E-11
	404 CpG_island	-0.71169355	1.74E-05	trans-acting-o	1.33E-11
	593 CpG_island	-0.72379032	1.50E-05	trans-acting-o	1.34E-11
	15 CpG_shore	0.72419355	9.50E-06	trans-acting-o	1.34E-11
	887 CpG_shore	-0.75846774	7.56E-06	trans-acting-o	1.34E-11
	207 CpG_island	0.7125	1.25E-05	trans-acting-o	1.35E-11
	1403 CpG_island	0.70806452	6.40E-06	trans-acting-o	1.35E-11
	1001 CpG_shore	0.70362903	1.74E-05	trans-acting-o	1.35E-11
	906 Outside_CpG_	0.71048387	6.69E-06	trans-acting-o	1.36E-11
	264 CpG_shore	-0.72096774	4.88E-06	trans-acting-o	1.36E-11
	346 CpG_island	-0.70806452	1.01E-05	trans-acting-o	1.37E-11
	964 CpG_shore	0.71129032	8.94E-06	trans-acting-o	1.37E-11
	15 Outside_CpG_	-0.72983871	5.75E-06	trans-acting-o	1.37E-11
	16 Outside_CpG_	0.73467742	1.99E-05	trans-acting-o	1.37E-11
	328 CpG_island	0.74758065	3.46E-06	trans-acting-o	1.37E-11
	542 CpG_island	0.72822581	4.88E-06	trans-acting-o	1.37E-11
	74 CpG_island	0.70967742	1.39E-05	trans-acting-o	1.38E-11
	176 CpG_island	-0.71532258	1.48E-05	trans-acting-o	1.38E-11
	85 CpG_island	-0.73709677	1.62E-05	trans-acting-o	1.38E-11
	15 Outside_CpG_	0.71532258	1.43E-05	trans-acting-o	1.38E-11

NA	91	CpG_island	0.70927419	7.56E-06	trans-acting-o	1.39E-11
	400	Outside_CpG_	-0.71129032	1.31E-05	cis-acting	1.39E-11
	324	CpG_shore	0.70443548	1.16E-05	trans-acting-o	1.40E-11
	1284	Outside_CpG_	-0.71048387	5.11E-06	trans-acting-o	1.40E-11
	454	Outside_CpG_	-0.70120968	1.06E-05	trans-acting-o	1.41E-11
	368	CpG_shore	0.74153226	5.75E-06	trans-acting-o	1.41E-11
	368	CpG_shore	0.74153226	5.58E-06	trans-acting-o	1.41E-11
	627	CpG_island	0.71895161	1.37E-05	trans-acting-o	1.41E-11
	168	CpG_island	0.74919355	1.06E-05	trans-acting-o	1.42E-11
	190	CpG_island	-0.70967742	1.16E-05	trans-acting-o	1.43E-11
	1498	CpG_shore	-0.75040323	1.99E-05	trans-acting-o	1.44E-11
	577	CpG_island	0.71169355	7.79E-06	trans-acting-o	1.44E-11
	265	CpG_island	0.72016129	1.82E-05	trans-acting-o	1.44E-11
	1471	CpG_island	-0.73709677	4.96E-06	trans-acting-o	1.44E-11
		CpG_island	0.71209677	1.27E-05	cis-acting	1.44E-11
	964	CpG_island	-0.74274194	3.92E-06	trans-acting-o	1.46E-11
	140	CpG_island	0.70685484	5.50E-06	trans-acting-o	1.47E-11
	65	CpG_shore	-0.72096774	9.08E-06	trans-acting-o	1.48E-11
	98	CpG_island	0.71330645	1.25E-05	trans-acting-o	1.49E-11
	207	Outside_CpG_	0.7016129	1.57E-05	trans-acting-o	1.49E-11
	134	Outside_CpG_	-0.71814516	3.66E-06	trans-acting-o	1.50E-11
	937	Outside_CpG_	0.72258065	7.67E-06	trans-acting-o	1.50E-11
	1145	Outside_CpG_	0.70080645	5.93E-06	trans-acting-o	1.50E-11
	1145	Outside_CpG_	0.70080645	5.93E-06	trans-acting-o	1.50E-11
	653	Outside_CpG_	-0.70443548	1.85E-05	trans-acting-o	1.50E-11
	428	CpG_island	-0.74274194	3.81E-06	trans-acting-o	1.50E-11
	311	CpG_island	-0.75	1.77E-05	trans-acting-o	1.51E-11
	221	CpG_island	0.72298387	6.69E-06	trans-acting-o	1.51E-11
	370	CpG_island	-0.71196694	4.58E-06	trans-acting-o	1.51E-11
	210	CpG_island	-0.71290323	1.64E-05	trans-acting-o	1.51E-11
	242	Outside_CpG_	-0.71814516	1.43E-05	trans-acting-o	1.52E-11
	193	CpG_shore	-0.72701613	7.22E-06	trans-acting-o	1.53E-11
	807	CpG_island	-0.70927419	1.96E-05	trans-acting-o	1.53E-11
	352	CpG_island	0.70645161	1.57E-05	trans-acting-o	1.53E-11
	352	CpG_island	0.70645161	1.57E-05	trans-acting-o	1.53E-11
	393	Outside_CpG_	-0.76935484	3.05E-06	trans-acting-o	1.53E-11
	285	CpG_island	0.70201613	1.85E-05	trans-acting-o	1.53E-11
	285	CpG_island	0.70201613	1.85E-05	trans-acting-o	1.53E-11
	183	Outside_CpG_	-0.70403226	1.57E-05	trans-acting-o	1.53E-11
	52	CpG_shore	-0.71008065	1.37E-05	trans-acting-o	1.55E-11
	7	CpG_shore	0.71653226	7.44E-06	trans-acting-o	1.55E-11
	787	CpG_island	0.70645161	1.88E-05	trans-acting-o	1.56E-11
	102	Outside_CpG_	0.72782258	9.95E-06	trans-acting-o	1.57E-11
	679	CpG_island	-0.7845549	7.64E-06	trans-acting-o	1.57E-11
	188	Outside_CpG_	-0.70685484	1.55E-05	trans-acting-o	1.58E-11
	53	CpG_island	-0.72419355	1.16E-05	trans-acting-o	1.58E-11
	885	CpG_shore	0.72137097	8.94E-06	trans-acting-o	1.58E-11
NA		CpG_island	0.72983871	6.49E-06	trans-acting-o	1.59E-11
	409	CpG_shore	0.77580645	9.22E-06	trans-acting-o	1.59E-11
	621	CpG_island	-0.725	1.35E-05	trans-acting	1.61E-11



NA	324	CpG_shore	0.70443548	4.04E-06	trans-acting-o	1.61E-11
	44	CpG_shore	0.70604839	9.95E-06	trans-acting-o	1.61E-11
	1267	CpG_island	-0.70080645	1.93E-05	trans-acting-o	1.61E-11
	148	CpG_island	0.70604839	1.01E-05	trans-acting-o	1.62E-11
	20	CpG_island	-0.74637097	8.67E-06	trans-acting-o	1.62E-11
	368	CpG_shore	0.74153226	1.04E-05	trans-acting-o	1.62E-11
	302	CpG_island	0.72177419	1.09E-05	trans-acting	1.62E-11
	2	CpG_shore	0.71169355	1.29E-05	trans-acting-o	1.63E-11
	429	CpG_island	-0.75564516	1.57E-05	trans-acting-o	1.63E-11
	143	Outside_CpG_	0.7016129	1.45E-05	trans-acting-o	1.64E-11
	98	CpG_island	0.71330645	9.50E-06	trans-acting-o	1.64E-11
	302	Outside_CpG_	0.72096774	1.43E-05	trans-acting-o	1.64E-11
	241	CpG_shore	0.70040323	1.96E-05	trans-acting-o	1.64E-11
	134	CpG_shore	0.71895161	1.72E-05	trans-acting-o	1.64E-11
	1403	CpG_island	0.70806452	6.40E-06	trans-acting-o	1.65E-11
	60	CpG_island	0.81975806	4.88E-06	trans-acting-o	1.66E-11
	770	CpG_island	-0.70282258	1.77E-05	trans-acting-o	1.66E-11
	336	CpG_island	0.72096774	9.08E-06	trans-acting-o	1.66E-11
	368	CpG_shore	0.74153226	1.45E-05	trans-acting-o	1.66E-11
	19	CpG_island	-0.70087711	7.11E-06	trans-acting-o	1.66E-11
	16	CpG_island	-0.70725806	1.52E-05	trans-acting-o	1.67E-11
	1345	CpG_island	-0.71451613	1.25E-05	trans-acting-o	1.67E-11
	50	CpG_island	0.74395161	3.87E-06	trans-acting-o	1.68E-11
	198	Outside_CpG_	-0.71935484	1.99E-05	trans-acting-o	1.68E-11
	190	Outside_CpG_	0.73508065	7.22E-06	trans-acting-o	1.69E-11
	54	CpG_shore	0.78225806	1.06E-05	trans-acting-o	1.69E-11
	507	CpG_island	-0.70362903	1.74E-05	trans-acting-o	1.69E-11
	16	CpG_island	-0.76895161	8.67E-06	trans-acting-o	1.69E-11
	885	CpG_shore	0.72137097	9.95E-06	trans-acting-o	1.70E-11
	188	CpG_shore	0.71653226	1.07E-05	trans-acting-o	1.71E-11
	188	CpG_shore	0.71653226	1.07E-05	trans-acting-o	1.71E-11
	381	CpG_shore	0.72701613	7.22E-06	trans-acting-o	1.71E-11
	236	CpG_shore	-0.70685484	1.25E-05	trans-acting-o	1.73E-11
	387	Outside_CpG_	0.73434822	6.04E-06	trans-acting-o	1.74E-11
	359	CpG_island	-0.7358871	1.12E-05	trans-acting-o	1.74E-11
	217	CpG_island	-0.79221696	1.91E-05	trans-acting-o	1.75E-11
	1371	CpG_island	-0.70927419	1.96E-05	trans-acting-o	1.75E-11
	133	CpG_island	-0.70524194	1.80E-05	trans-acting-o	1.75E-11
	471	Outside_CpG_	0.7016129	1.09E-05	trans-acting-o	1.77E-11
	409	CpG_shore	0.77580645	9.22E-06	trans-acting-o	1.77E-11
		CpG_island	0.70208691	1.07E-05	trans-acting	1.77E-11
	264	CpG_shore	-0.72096774	4.88E-06	trans-acting-o	1.78E-11
	325	CpG_island	-0.70725806	1.52E-05	trans-acting-o	1.80E-11
	24	Outside_CpG_	0.71370968	1.27E-05	trans-acting-o	1.80E-11
	183	CpG_island	0.70524194	1.64E-05	trans-acting-o	1.81E-11
	168	CpG_island	0.70564516	8.41E-06	trans-acting	1.82E-11
	1447	Outside_CpG_	0.81975806	6.59E-06	trans-acting-o	1.82E-11
	1480	Outside_CpG_	-0.7125	1.37E-05	trans-acting-o	1.83E-11
	155	CpG_island	0.75806452	1.21E-05	trans-acting-o	1.83E-11
	98	CpG_island	0.71330645	9.22E-06	trans-acting-o	1.85E-11

NA	450	CpG_island	0.70524194	1.64E-05	trans-acting-o	1.86E-11
	104	CpG_island	0.71935484	9.65E-06	trans-acting-o	1.86E-11
	287	CpG_island	0.75766129	1.67E-05	trans-acting-o	1.86E-11
	828	CpG_island	-0.77177419	1.59E-05	trans-acting-o	1.86E-11
	152	CpG_island	-0.71290323	1.43E-05	trans-acting-o	1.87E-11
	9	CpG_island	0.72016129	3.50E-06	trans-acting-o	1.87E-11
	24	CpG_shore	0.70443548	7.22E-06	trans-acting-o	1.87E-11
	1411	CpG_shore	0.81975806	4.54E-06	trans-acting-o	1.88E-11
	282	CpG_island	0.70564516	1.43E-05	trans-acting-o	1.88E-11
	914	Outside_CpG_	-0.70322581	1.82E-05	trans-acting-o	1.89E-11
	187	CpG_island	0.73991935	4.47E-06	trans-acting-o	1.89E-11
	546	Outside_CpG_	0.81975806	8.16E-06	trans-acting-o	1.89E-11
		CpG_island	0.72459677	1.14E-05	trans-acting-o	1.90E-11
	1128	CpG_island	-0.70282258	1.80E-05	trans-acting-o	1.91E-11
	599	CpG_island	0.70362903	8.80E-06	trans-acting-o	1.92E-11
	314	Outside_CpG_	-0.70887097	1.77E-05	trans-acting-o	1.93E-11
	143	CpG_island	0.71209677	1.99E-05	trans-acting-o	1.94E-11
	912	Outside_CpG_	0.70927419	8.54E-06	trans-acting-o	1.94E-11
	306	Outside_CpG_	0.70927419	9.50E-06	trans-acting-o	1.94E-11
	223	CpG_shore	0.75322581	9.80E-06	trans-acting-o	1.95E-11
	151	CpG_shore	-0.76612903	1.03E-05	trans-acting-o	1.95E-11
	1409	CpG_island	0.72177419	6.20E-06	trans-acting-o	1.95E-11
	315	CpG_island	-0.71653226	1.07E-05	trans-acting-o	1.96E-11
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	1.96E-11
	378	CpG_shore	0.72177419	8.80E-06	trans-acting-o	1.96E-11
	128	CpG_island	0.71975806	1.07E-05	trans-acting-o	1.97E-11
	813	CpG_island	-0.71761267	6.40E-06	trans-acting-o	2.00E-11
	80	CpG_island	0.71008065	1.19E-05	trans-acting-o	2.00E-11
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	2.01E-11
	1471	CpG_island	-0.73709677	4.96E-06	trans-acting-o	2.01E-11
	31	Outside_CpG_	-0.70685484	1.55E-05	trans-acting-o	2.01E-11
	159	CpG_shore	0.72016129	1.80E-05	trans-acting-o	2.01E-11
	5	CpG_island	-0.70483871	1.21E-05	trans-acting-o	2.02E-11
	210	CpG_island	-0.71290323	1.64E-05	trans-acting-o	2.02E-11
	899	CpG_island	0.76169355	1.72E-05	trans-acting-o	2.02E-11
	85	CpG_island	-0.73709677	1.62E-05	trans-acting-o	2.03E-11
	484	Outside_CpG_	0.78508065	1.25E-05	trans-acting-o	2.04E-11
	315	CpG_island	-0.71653226	1.07E-05	trans-acting-o	2.05E-11
	670	CpG_shore	0.70362903	1.18E-05	trans-acting-o	2.05E-11
	49	CpG_island	0.72177419	6.04E-06	trans-acting-o	2.07E-11
	13	CpG_island	-0.71491935	4.16E-06	trans-acting-o	2.07E-11
	950	Outside_CpG_	0.83508065	1.77E-05	trans-acting-o	2.07E-11
	29	CpG_island	0.71370968	1.19E-05	trans-acting-o	2.08E-11
	312	CpG_island	0.71532258	1.27E-05	trans-acting-o	2.08E-11
	0	CpG_island	-0.71370968	1.19E-05	trans-acting-o	2.09E-11
	33	CpG_island	-0.70887097	1.43E-05	trans-acting-o	2.09E-11
	363	CpG_island	0.72782258	1.18E-05	trans-acting-o	2.10E-11
	295	CpG_island	-0.71370968	1.19E-05	trans-acting-o	2.10E-11
	249	CpG_island	0.73064516	1.52E-05	trans-acting-o	2.11E-11
	1459	Outside_CpG_	-0.70040323	1.99E-05	trans-acting-o	2.11E-11

NA	4 CpG_island	0.70282258	1.99E-05	trans-acting-o	2.15E-11
	628 CpG_island	-0.725	7.44E-06	trans-acting-o	2.16E-11
	713 CpG_shore	-0.73508065	5.34E-06	cis-acting	2.16E-11
	284 CpG_island	-0.71532258	1.12E-05	trans-acting-o	2.16E-11
	404 CpG_island	-0.70967742	1.07E-05	trans-acting-o	2.17E-11
	449 CpG_island	-0.70269181	1.23E-05	trans-acting-o	2.17E-11
	78 Outside_CpG_	0.74395161	1.14E-05	trans-acting-o	2.17E-11
	582 CpG_island	0.72419355	8.03E-06	trans-acting	2.18E-11
	50 Outside_CpG_	-0.70403226	1.72E-05	trans-acting-o	2.19E-11
	50 CpG_island	0.70564516	1.12E-05	trans-acting-o	2.20E-11
	821 CpG_island	0.70120968	1.62E-05	trans-acting-o	2.20E-11
	947 CpG_shore	0.7358871	1.21E-05	trans-acting-o	2.20E-11
	76 CpG_island	0.71733871	1.04E-05	trans-acting-o	2.20E-11
	255 CpG_island	0.70403226	1.72E-05	trans-acting-o	2.20E-11
	527 CpG_island	0.70806452	1.52E-05	trans-acting-o	2.21E-11
	481 CpG_island	0.70685484	1.55E-05	trans-acting-o	2.22E-11
	208 CpG_island	0.74556452	1.41E-05	trans-acting-o	2.22E-11
	628 CpG_island	-0.725	7.44E-06	trans-acting-o	2.22E-11
	51 CpG_island	0.7766129	4.67E-06	trans-acting-o	2.23E-11
	CpG_island	0.72217742	8.03E-06	trans-acting-o	2.23E-11
	724 CpG_island	-0.71854839	1.01E-05	cis-acting	2.24E-11
	721 Outside_CpG_	-0.70524194	1.14E-05	trans-acting-o	2.25E-11
	1012 CpG_island	-0.70927419	6.40E-06	trans-acting-o	2.25E-11
	634 CpG_island	0.75403226	9.08E-06	trans-acting-o	2.26E-11
	227 CpG_island	0.74112903	1.03E-05	trans-acting-o	2.26E-11
	1366 CpG_shore	-0.70120968	5.58E-06	trans-acting-o	2.26E-11
	207 CpG_island	0.7125	1.25E-05	trans-acting-o	2.27E-11
	81 CpG_island	0.71814516	1.01E-05	trans-acting-o	2.27E-11
	371 CpG_shore	0.7	1.96E-05	trans-acting-o	2.28E-11
	36 Outside_CpG_	-0.78145161	1.43E-05	trans-acting-o	2.28E-11
	346 CpG_island	-0.70806452	1.48E-05	trans-acting-o	2.29E-11
	1423 Outside_CpG_	-0.80201613	1.04E-05	trans-acting-o	2.30E-11
	264 CpG_shore	-0.72096774	4.88E-06	trans-acting-o	2.30E-11
	599 Outside_CpG_	0.72527473	1.31E-05	trans-acting-o	2.31E-11
	69 CpG_shore	-0.72782258	7.00E-06	trans-acting-o	2.32E-11
	28 Outside_CpG_	-0.7141129	1.18E-05	trans-acting-o	2.32E-11
	378 CpG_island	0.70967742	6.40E-06	trans-acting	2.34E-11
	250 CpG_island	0.70282258	1.80E-05	trans-acting-o	2.34E-11
	205 CpG_island	0.72258065	1.67E-05	trans-acting-o	2.36E-11
	557 CpG_island	0.72177419	1.80E-05	trans-acting-o	2.36E-11
	0 CpG_island	-0.71370968	1.19E-05	trans-acting-o	2.36E-11
	559 CpG_island	0.78225806	5.58E-06	trans-acting-o	2.40E-11
	1017 Outside_CpG_	0.77580645	8.28E-06	trans-acting-o	2.43E-11
	34 CpG_island	0.72701613	1.39E-05	trans-acting-o	2.43E-11
	636 CpG_island	0.71330645	1.21E-05	trans-acting	2.43E-11
	140 CpG_island	-0.70766129	8.25E-06	trans-acting-o	2.44E-11
	462 CpG_island	-0.71491935	1.14E-05	trans-acting-o	2.44E-11
	593 Outside_CpG_	0.77016129	1.93E-05	trans-acting-o	2.44E-11
	220 Outside_CpG_	-0.70080645	1.93E-05	trans-acting-o	2.45E-11
	100 Outside_CpG_	0.7	5.34E-06	trans-acting-o	2.45E-11

91	Outside_CpG_	-0.74354839	8.16E-06	trans-acting-o	2.46E-11
315	CpG_island	-0.71653226	1.07E-05	trans-acting-o	2.46E-11
1366	Outside_CpG_	0.81975806	5.11E-06	trans-acting-o	2.47E-11
227	CpG_island	0.74112903	1.03E-05	trans-acting-o	2.48E-11
227	CpG_island	0.74112903	1.03E-05	trans-acting-o	2.48E-11
296	CpG_shore	-0.71814516	1.01E-05	trans-acting-o	2.49E-11
7	CpG_island	-0.7108871	1.33E-05	trans-acting-o	2.51E-11
653	Outside_CpG_	-0.70443548	1.85E-05	trans-acting-o	2.52E-11
84	Outside_CpG_	0.7081359	8.33E-06	trans-acting-o	2.52E-11
101	CpG_island	0.70362903	1.85E-05	trans-acting-o	2.53E-11
326	CpG_island	-0.71048387	6.69E-06	trans-acting-o	2.55E-11
65	CpG_island	0.72782258	7.00E-06	trans-acting-o	2.55E-11
1180	CpG_island	-0.7108871	1.33E-05	trans-acting-o	2.56E-11
1180	CpG_island	-0.7108871	1.33E-05	trans-acting-o	2.56E-11
485	CpG_island	-0.7141129	8.67E-06	trans-acting-o	2.57E-11
433	CpG_shore	-0.71169355	1.03E-05	trans-acting-o	2.59E-11
329	CpG_island	-0.71532258	1.19E-05	trans-acting-o	2.60E-11
936	Outside_CpG_	0.70887097	1.43E-05	trans-acting-o	2.60E-11
602	Outside_CpG_	0.71169355	9.36E-06	trans-acting-o	2.61E-11
69	CpG_shore	-0.72782258	7.00E-06	trans-acting-o	2.62E-11
414	CpG_island	0.70040323	1.37E-05	trans-acting-o	2.62E-11
40	Outside_CpG_	-0.73991935	7.22E-06	trans-acting-o	2.63E-11
933	CpG_island	0.71814516	1.80E-05	trans-acting-o	2.65E-11
62	CpG_island	0.73508065	1.33E-05	trans-acting-o	2.65E-11
681	CpG_island	0.7	9.22E-06	trans-acting-o	2.65E-11
346	CpG_island	-0.70846774	1.45E-05	cis-acting	2.66E-11
157	CpG_shore	-0.70120968	5.50E-06	trans-acting-o	2.66E-11
26	CpG_shore	-0.71895161	9.80E-06	trans-acting-o	2.67E-11
187	CpG_island	0.72943548	6.11E-06	trans-acting-o	2.68E-11
139	Outside_CpG_	0.72016129	9.36E-06	trans-acting-o	2.69E-11
236	CpG_island	0.72540323	6.90E-06	trans-acting-o	2.69E-11
840	CpG_island	-0.71693548	1.72E-05	trans-acting-o	2.71E-11
688	CpG_island	0.72056452	9.22E-06	trans-acting-o	2.71E-11
271	CpG_island	-0.71370968	1.93E-05	trans-acting-o	2.72E-11
14	CpG_island	0.71008065	1.31E-05	trans-acting-o	2.72E-11
1242	CpG_shore	-0.70007058	1.17E-05	trans-acting-o	2.74E-11
245	CpG_island	-0.73951613	1.43E-05	trans-acting-o	2.75E-11
431	CpG_island	0.74032258	1.77E-05	trans-acting-o	2.75E-11
829	CpG_island	0.71451613	1.62E-05	trans-acting-o	2.78E-11
29	CpG_island	0.71370968	1.19E-05	trans-acting-o	2.78E-11
863	CpG_shore	0.78991935	8.54E-06	trans-acting-o	2.80E-11
700	CpG_shore	0.71290323	1.23E-05	trans-acting-o	2.81E-11
46	CpG_island	-0.70040323	1.96E-05	trans-acting-o	2.81E-11
487	CpG_island	-0.70080645	1.50E-05	trans-acting-o	2.82E-11
89	CpG_island	-0.75846774	1.29E-05	trans-acting-o	2.82E-11
213	CpG_island	0.70322581	1.62E-05	trans-acting-o	2.83E-11
267	CpG_island	0.72620968	7.44E-06	trans-acting-o	2.84E-11
101	CpG_island	0.70362903	1.85E-05	trans-acting-o	2.84E-11
398	Outside_CpG_	0.7483871	8.94E-06	trans-acting-o	2.85E-11
394	CpG_island	0.74072581	1.39E-05	trans-acting-o	2.86E-11

NA	1296	Outside_CpG_	0.70362903	1.55E-05	trans-acting-o	2.86E-11
	275	CpG_island	-0.75040323	1.48E-05	trans-acting-o	2.87E-11
	395	CpG_island	-0.70806452	1.52E-05	trans-acting-o	2.87E-11
	883	CpG_shore	-0.7016129	1.88E-05	trans-acting-o	2.87E-11
	102	CpG_island	-0.70927419	1.27E-05	trans-acting-o	2.87E-11
	319	CpG_island	0.70241935	1.39E-05	trans-acting-o	2.89E-11
	368	CpG_shore	0.74153226	1.01E-05	trans-acting-o	2.90E-11
	296	CpG_island	0.71169355	1.29E-05	trans-acting-o	2.90E-11
	404	CpG_island	-0.70967742	1.07E-05	trans-acting-o	2.91E-11
	138	CpG_shore	-0.70322581	6.40E-06	trans-acting-o	2.91E-11
	766	CpG_island	0.70362903	7.00E-06	trans-acting-o	2.91E-11
	485	CpG_island	-0.725	1.57E-05	trans-acting	2.91E-11
	94	CpG_shore	-0.73145161	1.06E-05	trans-acting-o	2.93E-11
	153	CpG_island	0.825	1.48E-05	trans-acting-o	2.93E-11
	463	CpG_shore	-0.7125	1.50E-05	trans-acting-o	2.93E-11
	655	Outside_CpG_	-0.80201613	1.67E-05	trans-acting-o	2.94E-11
	799	CpG_island	0.78870968	1.11E-05	trans-acting	2.94E-11
	1458	CpG_island	-0.71774194	1.03E-05	trans-acting-o	2.94E-11
	541	CpG_shore	0.70685484	1.55E-05	trans-acting-o	2.95E-11
	329	CpG_island	-0.72741935	8.94E-06	trans-acting	2.95E-11
	139	CpG_shore	-0.71008065	1.37E-05	trans-acting-o	2.96E-11
	739	Outside_CpG_	-0.82540323	6.40E-06	cis-acting	2.96E-11
	212	CpG_island	-0.77096774	1.72E-05	trans-acting-o	2.96E-11
	177	CpG_island	0.72419355	1.03E-05	trans-acting-o	2.98E-11
	177	CpG_island	0.72419355	1.03E-05	trans-acting-o	2.98E-11
	212	CpG_island	-0.73387097	9.08E-06	trans-acting-o	2.99E-11
	889	Outside_CpG_	0.70080645	7.67E-06	trans-acting-o	3.00E-11
	959	CpG_island	-0.70080645	1.93E-05	trans-acting-o	3.01E-11
	573	CpG_island	0.70806452	1.48E-05	trans-acting-o	3.02E-11
	390	Outside_CpG_	0.7733871	1.14E-05	trans-acting-o	3.02E-11
	42	CpG_island	0.71209677	1.48E-05	trans-acting-o	3.03E-11
	188	CpG_island	-0.725	8.03E-06	trans-acting-o	3.04E-11
	177	CpG_island	0.72419355	1.12E-05	trans-acting-o	3.11E-11
	57	CpG_island	0.73024194	6.40E-06	trans-acting-o	3.11E-11
	503	CpG_island	-0.73374332	1.88E-05	trans-acting-o	3.12E-11
	4	CpG_island	0.70282258	1.06E-05	trans-acting-o	3.12E-11
	679	CpG_island	-0.7845549	7.64E-06	trans-acting-o	3.13E-11
		CpG_island	0.70208691	1.07E-05	trans-acting	3.14E-11
	4	CpG_island	0.70282258	1.99E-05	trans-acting-o	3.14E-11
	249	CpG_island	0.72620968	1.09E-05	trans-acting-o	3.15E-11
	146	CpG_island	0.75604839	1.74E-05	trans-acting-o	3.15E-11
	1469	Outside_CpG_	0.70322581	1.23E-05	trans-acting-o	3.17E-11
	335	CpG_island	-0.71370968	1.67E-05	trans-acting	3.18E-11
	329	CpG_island	-0.71532258	1.19E-05	trans-acting-o	3.20E-11
	460	CpG_island	-0.70282258	1.80E-05	trans-acting-o	3.23E-11
	448	CpG_shore	0.70443548	6.90E-06	trans-acting-o	3.24E-11
	462	CpG_island	-0.74435484	9.36E-06	trans-acting-o	3.25E-11
	9	CpG_island	0.72016129	1.88E-05	trans-acting-o	3.25E-11
	416	CpG_shore	0.74596774	7.91E-06	trans-acting-o	3.26E-11
	552	CpG_island	-0.74798387	1.33E-05	trans-acting	3.37E-11

NA	383	CpG_shore	-0.71975806	1.80E-05	trans-acting-o	3.38E-11
	532	CpG_island	-0.71048387	1.52E-05	trans-acting-o	3.40E-11
	540	CpG_shore	-0.7108871	1.33E-05	trans-acting-o	3.40E-11
	378	CpG_island	0.70282258	1.62E-05	trans-acting-o	3.40E-11
	703	CpG_shore	-0.71975806	1.77E-05	trans-acting-o	3.46E-11
	423	CpG_island	0.72298387	8.41E-06	trans-acting-o	3.49E-11
	133	CpG_island	0.7233871	8.41E-06	trans-acting-o	3.52E-11
	226	CpG_island	0.70309507	1.91E-05	trans-acting-o	3.52E-11
	334	CpG_island	-0.70927419	1.41E-05	trans-acting-o	3.54E-11
	776	Outside_CpG_	-0.70685484	1.16E-05	trans-acting-o	3.54E-11
	150	CpG_island	-0.70120968	1.72E-05	trans-acting-o	3.55E-11
	959	CpG_island	-0.70080645	1.93E-05	trans-acting-o	3.57E-11
	220	CpG_island	0.71169355	1.41E-05	trans-acting-o	3.58E-11
	369	CpG_island	0.76169355	1.11E-05	trans-acting-o	3.58E-11
	635	CpG_island	-0.70604839	1.39E-05	trans-acting-o	3.61E-11
	1354	CpG_shore	-0.73629032	1.07E-05	trans-acting-o	3.61E-11
	154	CpG_shore	0.70524194	1.64E-05	trans-acting-o	3.62E-11
	1237	Outside_CpG_	0.70725806	1.91E-05	trans-acting-o	3.63E-11
	1079	Outside_CpG_	-0.73024194	1.55E-05	trans-acting-o	3.64E-11
	385	CpG_island	0.71209677	1.37E-05	trans-acting-o	3.70E-11
	621	CpG_island	-0.725	1.35E-05	trans-acting	3.74E-11
	1132	CpG_island	-0.72459677	1.69E-05	trans-acting-o	3.75E-11
	635	CpG_island	-0.70604839	1.39E-05	trans-acting-o	3.78E-11
	557	CpG_island	0.72177419	1.80E-05	trans-acting-o	3.83E-11
	390	Outside_CpG_	0.7733871	1.14E-05	trans-acting-o	3.90E-11
	143	Outside_CpG_	0.7016129	1.45E-05	trans-acting-o	3.93E-11
		CpG_island	-0.72258065	1.74E-05	trans-acting-o	3.96E-11
	358	CpG_island	0.70282258	1.59E-05	trans-acting-o	3.96E-11
	962	CpG_island	0.73185484	1.43E-05	trans-acting-o	4.00E-11
	902	CpG_shore	-0.83024194	1.88E-05	trans-acting-o	4.00E-11
	683	CpG_island	0.71169355	1.59E-05	trans-acting-o	4.00E-11
	169	CpG_island	-0.70766129	1.12E-05	trans-acting-o	4.04E-11
	78	Outside_CpG_	0.74395161	1.14E-05	trans-acting-o	4.04E-11
	612	Outside_CpG_	-0.70120968	1.91E-05	trans-acting-o	4.05E-11
	290	Outside_CpG_	-0.70040323	1.96E-05	trans-acting-o	4.07E-11
	717	CpG_island	0.75	1.16E-05	trans-acting-o	4.08E-11
	748	CpG_island	-0.71491935	1.14E-05	trans-acting-o	4.09E-11
	515	Outside_CpG_	-0.73991935	1.62E-05	trans-acting-o	4.10E-11
	265	Outside_CpG_	0.7	1.35E-05	trans-acting-o	4.10E-11
	207	CpG_island	-0.71169355	1.25E-05	trans-acting-o	4.11E-11
	863	CpG_shore	0.78991935	1.21E-05	trans-acting-o	4.14E-11
	318	CpG_island	0.75040323	1.57E-05	trans-acting-o	4.14E-11
	8	CpG_island	0.70927419	1.62E-05	trans-acting-o	4.15E-11
	343	CpG_shore	-0.70927419	1.41E-05	trans-acting-o	4.18E-11
	925	CpG_island	0.71733871	1.23E-05	trans-acting-o	4.19E-11
	153	CpG_island	0.825	1.48E-05	trans-acting-o	4.22E-11
	95	Outside_CpG_	0.78870968	1.43E-05	trans-acting-o	4.26E-11
	1413	Outside_CpG_	-0.72298387	1.04E-05	trans-acting-o	4.27E-11
	32	CpG_island	0.70685484	7.91E-06	trans-acting-o	4.29E-11
	9	CpG_island	0.72016129	1.41E-05	trans-acting-o	4.30E-11

NA	414	CpG_island	-0.71532258	9.36E-06	trans-acting-o	4.33E-11
	4	CpG_island	0.70282258	1.06E-05	trans-acting-o	4.35E-11
	245	Outside_CpG_	0.71370968	8.94E-06	trans-acting-o	4.35E-11
	635	CpG_island	-0.70604839	1.39E-05	trans-acting-o	4.39E-11
	1116	CpG_island	0.75362903	1.33E-05	trans-acting-o	4.44E-11
	89	CpG_island	-0.75846774	1.55E-05	trans-acting-o	4.46E-11
	272	CpG_island	-0.71774194	1.03E-05	trans-acting-o	4.47E-11
	25	Outside_CpG_	0.71733871	1.37E-05	trans-acting-o	4.47E-11
	57	Outside_CpG_	-0.71935484	1.91E-05	trans-acting-o	4.47E-11
	38	CpG_island	0.70604839	1.37E-05	trans-acting-o	4.49E-11
	409	CpG_shore	0.77580645	9.22E-06	trans-acting-o	4.50E-11
	245	Outside_CpG_	0.71370968	1.33E-05	trans-acting-o	4.59E-11
	250	CpG_island	0.70282258	1.80E-05	trans-acting-o	4.60E-11
	101	CpG_shore	-0.72782258	1.31E-05	trans-acting	4.62E-11
		CpG_island	0.70322581	1.77E-05	trans-acting-o	4.70E-11
	227	Outside_CpG_	-0.71572581	1.11E-05	trans-acting	4.75E-11
	366	Outside_CpG_	-0.7	1.99E-05	trans-acting-o	4.81E-11
	947	CpG_shore	-0.70282258	1.62E-05	trans-acting-o	4.85E-11
	78	CpG_island	-0.725	1.16E-05	trans-acting-o	4.93E-11
	158	Outside_CpG_	0.7625	1.72E-05	trans-acting-o	4.96E-11
	449	CpG_island	-0.70685484	1.55E-05	trans-acting-o	5.01E-11
	579	CpG_island	-0.70443548	1.69E-05	trans-acting-o	5.01E-11
	1296	Outside_CpG_	0.70927419	1.74E-05	trans-acting-o	5.04E-11
	857	CpG_island	0.71169355	1.23E-05	trans-acting-o	5.05E-11
	265	CpG_island	0.72016129	1.82E-05	trans-acting-o	5.08E-11
	320	CpG_island	-0.70443548	1.69E-05	trans-acting-o	5.11E-11
	173	CpG_island	0.71733871	1.91E-05	trans-acting-o	5.14E-11
	28	CpG_island	0.71653226	1.55E-05	cis-acting	5.22E-11
	235	CpG_island	0.70322581	1.77E-05	trans-acting-o	5.31E-11
	346	CpG_island	-0.70846774	1.45E-05	cis-acting	5.33E-11
	362	CpG_island	0.75766129	1.72E-05	trans-acting-o	5.34E-11
	763	CpG_island	0.72983871	1.41E-05	trans-acting-o	5.35E-11
	287	Outside_CpG_	0.70524194	1.64E-05	trans-acting-o	5.38E-11
	369	CpG_island	0.76169355	1.11E-05	trans-acting	5.43E-11
	369	CpG_island	0.76169355	1.11E-05	trans-acting	5.43E-11
	75	CpG_island	-0.71370968	1.19E-05	cis-acting	5.53E-11
	1471	Outside_CpG_	0.73991935	1.88E-05	trans-acting-o	5.56E-11
	60	CpG_island	-0.71048387	1.35E-05	trans-acting-o	5.74E-11
	1296	Outside_CpG_	0.70927419	1.74E-05	trans-acting-o	5.85E-11
	265	CpG_island	0.72016129	1.82E-05	trans-acting-o	5.87E-11
	287	Outside_CpG_	-0.75080645	1.72E-05	trans-acting-o	5.89E-11
	233	CpG_shore	0.75887097	1.57E-05	trans-acting-o	5.96E-11
	300	CpG_shore	-0.75403226	1.72E-05	trans-acting-o	5.99E-11
	190	Outside_CpG_	0.73508065	1.91E-05	trans-acting-o	6.01E-11
	372	CpG_island	0.7016129	1.88E-05	trans-acting-o	6.05E-11
	378	CpG_island	0.70282258	1.62E-05	trans-acting-o	6.17E-11
	205	CpG_island	0.70040323	1.96E-05	trans-acting-o	6.21E-11
	157	CpG_island	0.70524194	1.64E-05	trans-acting-o	6.24E-11
	196	Outside_CpG_	0.70080645	1.93E-05	trans-acting-o	6.51E-11
	511	CpG_island	-0.70201613	1.41E-05	trans-acting-o	6.53E-11

NA	171 CpG_shore	0.7375	1.69E-05	trans-acting-d	6.53E-11
	425 CpG_island	0.71008065	1.62E-05	trans-acting-d	6.84E-11
	298 CpG_island	0.74596774	1.96E-05	trans-acting-d	6.85E-11
	368 CpG_shore	0.74153226	1.85E-05	trans-acting-d	6.90E-11
	225 CpG_island	0.74556452	1.55E-05	trans-acting-d	6.90E-11
	43 CpG_island	0.72701613	1.99E-05	trans-acting-d	7.02E-11
	20 Outside_CpG_	-0.70443548	1.69E-05	trans-acting-d	7.02E-11
	850 Outside_CpG_	-0.75241935	1.91E-05	trans-acting-d	7.04E-11
	249 CpG_island	-0.74637097	1.93E-05	trans-acting-d	7.05E-11
	290 CpG_island	0.73951613	1.57E-05	trans-acting-d	7.07E-11
	CpG_island	0.71975806	1.43E-05	trans-acting-d	7.16E-11
	1498 CpG_shore	-0.75040323	1.99E-05	trans-acting-d	7.26E-11
	44 CpG_island	0.70927419	1.41E-05	trans-acting-d	7.42E-11
	44 CpG_shore	0.70604839	1.77E-05	trans-acting-d	7.77E-11
	919 Outside_CpG_	-0.78185484	1.88E-05	trans-acting-d	7.90E-11
	469 CpG_shore	-0.78790323	1.57E-05	trans-acting-d	7.91E-11
	720 CpG_island	-0.70120968	1.91E-05	trans-acting-d	8.38E-11
	276 CpG_island	-0.725	1.96E-05	trans-acting-d	8.48E-11
	552 CpG_island	0.70201613	1.57E-05	trans-acting-d	8.50E-11
	190 Outside_CpG_	0.73508065	1.91E-05	trans-acting-d	9.17E-11
	467 CpG_island	0.70120968	1.91E-05	trans-acting-d	9.35E-11
	4 CpG_island	0.70282258	1.99E-05	trans-acting-d	9.52E-11



Name	Gene	Chr	Position	Call rate	MAF	distance to ge
rs13078073	NA	3	157594704	1	0.23913043	cis-acting
rs13206253	PACRG	6	163166902	0.9516129	0.11627907	trans-acting-o
rs2965399	DNAH11	7	21732757	1	0.09782609	trans-acting-o
rs1505666	NA	4	62067011	0.9677419	0.36363636	trans-acting-o
rs12438971	SNRPN	15	25133003	0.983871	0.24444444	trans-acting-o
rs7208946	NA	17	25573815	0.9516129	0.39772727	trans-acting-o
rs11721941	NA	4	133572572	0.9354839	0.45238095	trans-acting-o
rs1989963	NA	7	83864172	0.983871	0.44444444	trans-acting-o
rs10435864	FKBP15	9	115950706	0.8870968	0.4875	trans-acting-o
rs2115866	NAP5	2	133999831	0.9354839	0.17857143	trans-acting-o
rs820870	HEXB	5	73980111	0.9516129	0.43181818	trans-acting-o
rs561122	MAML2	11	95975630	1	0.08695652	trans-acting-o
rs11356	NARS	18	55268486	0.9516129	0.34090909	trans-acting-o
rs4780247	NA	15	29883599	0.9516129	0.27906977	trans-acting-o
rs289516	DLC1	8	13238345	0.9193549	0.37804878	trans-acting-o
rs848374	NA	7	108534194	0.983871	0.13333333	trans-acting-o
rs11650313	HRNBP3	17	77367698	0.983871	0.22222222	trans-acting-o
rs12987773	NA	2	35885786	1	0.30434783	trans-acting-o
rs7827167	TUSC3	8	15598698	0.8548387	0.46052632	trans-acting-o

Coef (eQTL)	p-value	probeset	Gene2	Chr2	start	end
-1.66971306	5.28E-05	8091723	RARRES1	3	158422442	158450275
-0.52452248	2.73E-05	8042917	DOK1	2	74781860	74784662
-1.44397962	1.23E-07	8179322	HSPA1A	6	31783291	31785717
-0.44941552	0.00010172	8124574	ZSCAN12	6	28356729	28367544
0.97168533	3.72E-06	8117422	HIST1H4F	6	26240654	26241021
-0.55106861	3.87E-05	8124574	ZSCAN12	6	28356729	28367544
0.55638495	6.10E-05	8124574	ZSCAN12	6	28356729	28367544
0.45381483	3.57E-05	7943376	KIAA1377	11	101785746	101871791
-0.48132945	0.00010394	8054281	LONRF2	2	100889754	100939195
1.73768865	0.0001046	7937728	TNNI2	11	1860233	1862910
-0.60600087	1.91E-05	7936144	COL17A1	10	105791048	105845638
1.15537898	2.54E-05	8160441	CDKN2A	9	21967752	21994490
-0.87245614	8.48E-05	7934842	MMRN2	10	88695300	88717425
-1.02610707	6.31E-05	8111677	LIFR	5	38475065	38595507
-1.12062445	3.69E-05	8138749	HOXA9	7	27202058	27205149
-0.43308027	9.94E-05	8158022	ZNF79	9	130186653	130207650
0.77860027	7.98E-05	8175747	MAGEA3	23	151934653	151938240
1.0280773	7.95E-05	8138749	HOXA9	7	27202058	27205149
0.71332642	9.34E-05	8117422	HIST1H4F	6	26240654	26241021

Distance to m	coef (mQTL)	p-value2	Name2	Gene3	Chr3	MapInfo
trans-acting-o	-1.1885693	2.97E-05	cg00364814	R3HDM2	12	55977722
cis-acting	1.91222606	5.12E-06	cg21926612	PARK2	6	163149169
trans-acting-o	3.77589167	4.58E-05	cg00929855	HSPA1A	6	31783364
trans-acting-o	2.07911837	4.51E-06	cg02622316	ZNF96	6	28475389
trans-acting-o	-2.18929748	2.89E-05	cg05159188	HIST1H4F	6	26240579
trans-acting-o	1.98837099	3.16E-05	cg02622316	ZNF96	6	28475389
trans-acting-o	-1.93648667	4.11E-05	cg02622316	ZNF96	6	28475389
trans-acting-o	-0.86386488	9.07E-05	cg19531130	ANGPTL5	11	101786659
trans-acting-o	-1.46950989	1.44E-05	cg12232463	LONRF2	2	100926650
trans-acting-o	-1.6629181	8.07E-05	cg14672680	TNNI2	11	1859838
trans-acting-o	1.08784604	0.00010692	cg13448625	COL17A1	10	105845238
trans-acting-o	1.92822066	8.62E-05	cg07752420	CDKN2A	9	21958681
trans-acting-o	0.76401471	9.45E-05	cg22545356	MMRN2	10	88716659
trans-acting-o	-1.67066317	6.98E-05	cg01796228	LIFR	5	38631977
trans-acting-o	1.81483934	9.98E-05	cg01354473	HOXA9	7	27204803
trans-acting-o	-1.68940481	9.41E-05	cg02431687	C9orf90	9	129868473
trans-acting-o	-2.15775678	8.86E-05	cg19964192	MAGEA10	X	151057709
trans-acting-o	-1.8757743	9.72E-05	cg01354473	HOXA9	7	27204803
trans-acting-o	-1.72017108	0.00010507	cg05159188	HIST1H4F	6	26240579

Distance_to_	CpG categ	corr (spearman)		p.value(spear	P-value combined
639	Outside_CpG_	-0.70685484	trans-acting-o	1.31E-05	1.09E-11
366	Outside_CpG_	-0.71169355	trans-acting-o	5.11E-06	4.60E-13
27	CpG_island	-0.73024194	cis-acting	6.40E-06	2.72E-14
98	CpG_island	0.71330645	cis-acting	1.24E-06	3.72E-13
75	CpG_island	-0.71370968	cis-acting	1.19E-05	7.97E-13
98	CpG_island	0.71330645	cis-acting	1.24E-06	9.36E-13
98	CpG_island	0.71330645	cis-acting	1.24E-06	1.84E-12
596	Outside_CpG_	-0.7358871	cis-acting	1.87E-06	3.45E-12
683	CpG_shore	0.72217742	cis-acting	8.67E-06	7.07E-12
1065	CpG_island	0.70080645	cis-acting	2.00E-06	9.07E-12
400	Outside_CpG_	-0.71129032	cis-acting	1.31E-05	1.39E-11
NA	CpG_island	0.71209677	cis-acting	1.27E-05	1.44E-11
713	CpG_shore	-0.73508065	cis-acting	5.34E-06	2.16E-11
724	CpG_island	-0.71854839	cis-acting	1.01E-05	2.24E-11
346	CpG_island	-0.70846774	cis-acting	1.45E-05	2.66E-11
739	Outside_CpG_	-0.82540323	cis-acting	6.40E-06	2.96E-11
28	CpG_island	0.71653226	cis-acting	1.55E-05	5.22E-11
346	CpG_island	-0.70846774	cis-acting	1.45E-05	5.33E-11
75	CpG_island	-0.71370968	cis-acting	1.19E-05	5.53E-11