

**Supplementary file 1: *m6A* peak analysis between IOSE80 and A2780**

chr	chromStar	chromEnd	name	score	strand	thickStart	thickEnd	itemRgb	blockCount	blockSizes	blockStarts	lg.p	lg.fdr	fold_enrichment	diff.lg.fdr	diff.lg.p	
chr11	1.23E+08	1.23E+08	JHY	8.90E-05	+	1.23E+08	1.23E+08	0	2	85,215,	0,17816		-4.05	-2.99	3.17	-434	-434
chr6	75315063	75315163	FILIP1	1.00E-05	-	75315063	75315163	0	1	100,		0	-4.98	-3.82	1.75	-434	-434
chr14	37591136	37592623	FOXA1	9.80E-05	-	37591136	37592623	0	1	1487,		0	-4.01	-3.84	6.5	-434	-434
chr1	94174385	94174486	ARHGAP29	0.00011	-	94174385	94174486	0	1	101,		0	-3.96	-2.91	2.5	-434	-434
chr4	76559179	76559330	SHROOM3	0.00011	+	76559179	76559330	0	1	151,		0	-3.95	-2.9	3.67	-434	-434
chr5	16701821	16703061	MYO10	0.00066	-	16701821	16703061	0	3	17,46,137,	0,721,1103		-3.18	-2.2	2.5	-434	-434
chr10	25598384	25598485	GPR158	1.70E-06	+	25598384	25598485	0	1	101,		0	-5.77	-4.53	2	-434	-434
chr1	19682360	19682460	TMCO4	0.00058	-	19682360	19682460	0	1	100,		0	-3.24	-2.25	4.6	-434	-434
chr11	19933562	19933713	NAV2	0.0046	+	19933562	19933713	0	1	151,		0	-2.34	-1.42	3.25	-434	-434
chr2	1.44E+08	1.44E+08	ZEB2	1.50E-05	-	1.44E+08	1.44E+08	0	1	101,		0	-4.82	-3.68	1.86	-434	-434
chr1	84866150	84893106	LPAR3	0.002	-	84866150	84893106	0	2	9,91,	0,26865		-2.69	-1.75	1.75	-434	-434
chr2	84836392	84836692	TRABD2A	9.80E-06	-	84836392	84836692	0	1	300,		0	-5.01	-4.78	8	-434	-434
chr2	84836791	84837041	TRABD2A	9.80E-06	-	84836791	84837041	0	1	250,		0	-5.01	-4.78	4.86	-434	-434
chr8	1.44E+08	1.44E+08	EPPK1	2.20E-06	-	1.44E+08	1.44E+08	0	1	101,		0	-5.65	-4.42	2	-434	-434
chr8	6811056	6812302	XKR5	1.10E-05	-	6811056	6812302	0	1	1246,		0	-4.97	-4.74	5.45	-434	-434
chr21	41179019	41179469	PLAC4	0.00017	-	41179019	41179469	0	1	450,		0	-3.77	-3.61	3	-434	-434
chr8	42175580	42178923	PLAT	4.40E-06	-	42175580	42178923	0	2	571,27,	0,3316		-5.36	-5.1	4.89	-12	-14.6
chr10	72274813	72275498	DDIT4	5.60E-09	+	72274813	72275498	0	1	685,		0	-8.25	-7.69	1.98	-11.7	-14.3
chr17	77319526	77322636	9-Sep	3.00E-05	+	77319526	77322636	0	2	822,27,	0,3083		-4.53	-4.33	9.17	-9.88	-12.5
chr5	93593619	93594363	NR2F1	2.00E-25	+	93593619	93594363	0	1	744,		0	-24.7	-22.2	3.4	-9.32	-11.9
chr11	26994878	26995128	FIBIN	2.10E-05	+	26994878	26995128	0	1	250,		0	-4.68	-4.47	2.37	-9.27	-11.9
chr10	72274964	72275731	DDIT4-AS1	5.50E-10	-	72274964	72275731	0	2	516,32,	0,735		-9.26	-8.54	2	-8.7	-11.3
chr6	25983756	25984355	TRIM38	1.90E-07	+	25983756	25984355	0	1	599,		0	-6.72	-6.34	4.62	-7.67	-10.2
chr5	1.73E+08	1.73E+08	STC2	3.60E-07	-	1.73E+08	1.73E+08	0	2	648,1,	0,5367		-6.44	-6.09	2.94	-7.53	-10.1
chr2	1.44E+08	1.44E+08	ZEB2	1.50E-05	-	1.44E+08	1.44E+08	0	1	451,		0	-4.82	-4.6	8	-7.36	-9.89
chr1	58781684	58782533	JUN	8.70E-10	-	58781684	58782533	0	1	849,		0	-9.06	-8.37	6.75	-7.3	-9.82
chr1	2.37E+08	2.37E+08	LGALS8	6.60E-05	+	2.37E+08	2.37E+08	0	1	399,		0	-4.18	-3.11	5.2	-7.18	-9.67
chr3	67004158	67008219	KBTBD8	7.60E-07	+	67004158	67008219	0	2	151,298,	0,3763		-6.12	-4.83	2.83	-7.16	-9.63
chr6	75313917	75314566	FILIP1	1.00E-05	-	75313917	75314566	0	1	649,		0	-4.98	-4.75	3.7	-6.95	-9.42
chr20	53575835	53578334	ZNF217	2.10E-10	-	53575835	53578334	0	2	1445,1,	0,2498		-9.67	-8.86	5.05	-6.92	-9.38
chr12	57823115	57823714	CTDSP2	1.30E-09	-	57823115	57823714	0	1	599,		0	-8.9	-8.24	5.52	-6.62	-9.08
chr3	1.58E+08	1.58E+08	SHOX2	0.00032	-	1.58E+08	1.58E+08	0	2	1218,31,	0,2753		-3.49	-3.33	5.42	-6.55	-9
chr6	98835686	98836135	POU3F2	0.014	+	98835686	98836135	0	1	449,		0	-1.84	-1.73	7.29	-6.54	-8.98
chr3	1.25E+08	1.25E+08	HEG1	4.80E-05	-	1.25E+08	1.25E+08	0	1	500,		0	-4.32	-4.13	2.83	-6.18	-8.62
chr22	37831453	37832002	ANKRD54	7.40E-08	-	37831453	37832002	0	1	549,		0	-7.13	-6.71	4.23	-6.03	-8.46
chr9	95019527	95020028	AOPEP	1.50E-05	+	95019527	95020028	0	1	501,		0	-4.83	-4.61	3.75	-5.76	-8.17
chr5	1.11E+08	1.11E+08	CAMK4	5.10E-08	+	1.11E+08	1.11E+08	0	1	350,		0	-7.29	-6.85	6.75	-5.35	-7.75
chr7	1.55E+08	1.55E+08	EN2	1.60E-07	+	1.55E+08	1.55E+08	0	1	450,		0	-6.8	-5.42	7.75	-5.06	-7.43
chr6	75312673	75313022	FILIP1	9.30E-06	-	75312673	75313022	0	1	349,		0	-5.03	-3.87	4.6	-4.94	-7.28
chr1	58782880	58783579	JUN	8.70E-10	-	58782880	58783579	0	1	699,		0	-9.06	-8.37	4.8	-4.89	-7.23
chr1	11974692	11975439	PLOD1	1.80E-10	+	11974692	11975439	0	1	747,		0	-9.74	-8.92	2.56	-4.85	-7.18
chr11	86807662	86808163	PRSS23	6.20E-10	+	86807662	86808163	0	1	501,		0	-9.21	-7.45	3.56	-4.85	-7.18
chr7	79459566	79459816	MAGI2-AS1	0.00062	+	79459566	79459816	0	1	250,		0	-3.21	-3.07	8	-4.73	-7.04
chr22	37805291	37806489	H1FO	7.90E-12	+	37805291	37806489	0	1	1198,		0	-11.1	-10	3.85	-4.62	-6.92
chr4	76435827	76436128	SHROOM3	0.00011	+	76435827	76436128	0	1	301,		0	-3.95	-3.78	4.19	-4.61	-6.91
chr3	8550165	8565497	LMCD1	6.80E-05	+	8550165	8565497	0	2	284,66,	0,15266		-4.17	-3.1	3.75	-4.61	-6.9
chr1	1.87E+08	1.87E+08	ERVMER61	6.30E-11	+	1.87E+08	1.87E+08	0	1	400,		0	-10.2	-9.31	2.52	-4.59	-6.88
chr3	48851336	48851882	PRKAR2A-AS1	1.40E-07	+	48851336	48851882	0	1	546,		0	-6.85	-6.46	10.4	-4.57	-6.85

chr16	69692668	69695260	NFAT5	1.00E-11	+	69692668	69695260	0	2	1571,125,	0,2467		-11	-9.97	5	-4.2	-6.45
chr5	664942	665192	TPPP	0.0056	-	664942	665192	0	1	250,		0	-2.25	-1.34	3.75	-4.2	-6.45
chr11	85685145	85685546	CCDC89	1.60E-18	-	85685145	85685546	0	1	401,		0	-17.8	-15.6	6.4	-4.14	-6.39
chr12	51245700	51246493	SMAGP	0.00012	-	51245700	51246493	0	2	419,30,	0,763		-3.92	-3.76	4.38	-4.13	-6.37
chr2	63196695	63197037	AC009501	1.80E-06	+	63196695	63197037	0	1	342,		0	-5.74	-4.5	4.83	-4.13	-6.37
chr9	92315530	92315879	NOL8	4.40E-06	-	92315530	92315879	0	1	349,		0	-5.36	-5.11	2.8	-4.12	-6.36
chr1	85182178	85190574	SYDE2	5.20E-10	-	85182178	85190574	0	2	1022,518,	0,7878		-9.28	-8.55	7.33	-4.08	-6.31
chr19	1273834	1274134	CIRBP	4.90E-05	+	1273834	1274134	0	1	300,		0	-4.31	-4.13	4.75	-3.97	-6.18
chr3	52480862	52481560	NISCH	5.60E-08	+	52480862	52481560	0	1	698,		0	-7.25	-6.81	4.53	-3.89	-6.09
chr5	1.41E+08	1.41E+08	PCDHGA1	5.40E-05	+	1.41E+08	1.41E+08	0	1	500,		0	-4.27	-3.19	7.8	-3.84	-6.03
chr1	2.02E+08	2.02E+08	NAV1	0.0036	+	2.02E+08	2.02E+08	0	2	236,114,	0,772		-2.44	-2.32	4	-3.52	-5.68
chr7	1.55E+08	1.55E+08	ENO2	1.60E-07	+	1.55E+08	1.55E+08	0	1	201,		0	-6.8	-6.41	6.2	-3.48	-5.63
chr9	95021720	95022121	AOPEP	1.50E-05	+	95021720	95022121	0	1	401,		0	-4.83	-4.61	3.75	-3.45	-5.6
chr2	2.27E+08	2.27E+08	IRS1	5.10E-07	-	2.27E+08	2.27E+08	0	1	499,		0	-6.29	-4.98	3.83	-3.44	-5.58
chr2	2.27E+08	2.27E+08	IRS1	5.10E-07	-	2.27E+08	2.27E+08	0	1	399,		0	-6.29	-5.95	3.83	-3.3	-5.44
chr7	50445273	50447218	FIGNL1	4.90E-08	-	50445273	50447218	0	1	1945,		0	-7.31	-6.87	7.2	-3.3	-5.43
chr4	1.25E+08	1.25E+08	FAT4	0.00055	+	1.25E+08	1.25E+08	0	1	800,		0	-3.26	-2.27	4.43	-3.23	-5.35
chr5	95898288	95898786	ELL2	6.60E-06	-	95898288	95898786	0	1	498,		0	-5.18	-4.94	4.5	-3.17	-5.27
chr7	65388876	65399404	ZNF92	7.40E-08	+	65388876	65399404	0	2	25,1064,	0,9464		-7.13	-6.71	8	-3.17	-5.27
chr4	1.33E+08	1.33E+08	PCDH10	1.60E-11	+	1.33E+08	1.33E+08	0	1	1299,		0	-10.8	-9.76	6.12	-3.16	-5.26
chr16	28285777	28286175	AC138904	1.10E-06	-	28285777	28286175	0	1	398,		0	-5.97	-5.66	6.14	-3.16	-5.25
chr11	1.1E+08	1.1E+08	ZC3H12C	3.20E-08	+	1.1E+08	1.1E+08	0	2	40,760,	0,1001		-7.49	-7.02	4.71	-3.11	-5.19
chr19	9527669	9527920	ZNF426	1.10E-05	-	9527669	9527920	0	1	251,		0	-4.94	-3.79	4	-3.1	-5.18
chr14	1.02E+08	1.02E+08	MOK	0.00022	-	1.02E+08	1.02E+08	0	1	401,		0	-3.65	-2.63	3.5	-3.08	-5.16
chr6	1.44E+08	1.44E+08	PLAGL1	0.00019	-	1.44E+08	1.44E+08	0	1	350,		0	-3.73	-3.57	5.33	-3.04	-5.11
chr20	53582041	53593775	ZNF217	3.50E-09	-	53582041	53593775	0	2	1127,20,	0,11714		-8.45	-7.86	3.75	-2.99	-5.05
chr12	45974553	45975103	SCAF11	1.50E-06	-	45974553	45975103	0	1	550,		0	-5.82	-5.53	4.14	-2.97	-5.02
chr19	1274531	1274830	CIRBP	4.90E-05	+	1274531	1274830	0	1	299,		0	-4.31	-4.13	2.29	-2.96	-5
chr13	20141928	20142674	GJA3	5.00E-19	-	20141928	20142674	0	1	746,		0	-18.3	-16.1	8.11	-2.96	-5
chr9	35724300	35724942	TLN1	1.30E-09	-	35724300	35724942	0	3	34,153,113,	0,271,529		-8.88	-8.23	2.16	-2.96	-5
chr14	68789395	68791027	ZFP36L1	2.50E-10	-	68789395	68791027	0	2	1097,45,	0,1587		-9.61	-8.82	3.22	-2.95	-4.99
chr19	9527319	9527570	ZNF426	1.10E-05	-	9527319	9527570	0	1	251,		0	-4.94	-3.79	5.25	-2.95	-4.98
chr16	66934792	66935892	CES2	2.40E-09	+	66934792	66935892	0	1	1100,		0	-8.62	-8.01	5.8	-2.94	-4.97
chr16	88675738	88685195	SNAI3-AS1	2.80E-06	+	88675738	88685195	0	2	484,63,	0,9394		-5.56	-5.29	8.29	-2.94	-4.97
chr14	85561286	85562940	FLRT2	0.001	+	85561286	85562940	0	2	3,298,	0,1356		-3	-2.86	3.58	-2.92	-4.94
chr14	24103636	24103986	PCK2	4.00E-11	+	24103636	24103986	0	1	350,		0	-10.4	-9.44	1.83	-2.9	-4.92
chr19	14053961	14054760	PALM3	2.90E-09	-	14053961	14054760	0	1	799,		0	-8.54	-7.93	3.87	-2.9	-4.91
chr3	4982931	4983729	BHLHE40	6.90E-10	+	4982931	4983729	0	1	798,		0	-9.16	-8.46	4.49	-2.86	-4.87
chr19	11806299	11806750	ZNF491	3.20E-06	+	11806299	11806750	0	1	451,		0	-5.49	-4.28	3.5	-2.86	-4.87
chr7	1.27E+08	1.27E+08	ZNF800	0.00018	-	1.27E+08	1.27E+08	0	1	999,		0	-3.75	-3.59	7.2	-2.86	-4.86
chr4	1.58E+08	1.58E+08	GASK1B	9.80E-07	-	1.58E+08	1.58E+08	0	1	350,		0	-6.01	-4.73	5.5	-2.85	-4.86
chr4	1.25E+08	1.25E+08	FAT4	0.0041	+	1.25E+08	1.25E+08	0	1	351,		0	-2.39	-1.47	6.75	-2.84	-4.83
chr22	37833033	37833710	ANKRD54	1.80E-05	-	37833033	37833710	0	2	173,27,	0,650		-4.74	-4.53	2.58	-2.82	-4.81
chr19	9610050	9614124	ZNF561	2.00E-12	-	9610050	9614124	0	2	1286,104,	0,3970		-11.7	-10.5	9.8	-2.78	-4.77
chr1	2.28E+08	2.28E+08	OBSCN	1.50E-05	+	2.28E+08	2.28E+08	0	1	601,		0	-4.82	-4.6	3.6	-2.73	-4.72
chr11	67049114	67049464	SYT12	5.00E-07	+	67049114	67049464	0	1	350,		0	-6.3	-5.97	9.8	-2.73	-4.72
chr2	38075727	38075977	CYP1B1-A	9.50E-06	+	38075727	38075977	0	1	250,		0	-5.02	-4.79	2.44	-2.72	-4.7
chr9	86945359	86945660	GAS1	1.00E-05	-	86945359	86945660	0	1	301,		0	-4.99	-3.84	3.5	-2.72	-4.69
chr2	84870349	84870649	TRABD2A	3.50E-06	-	84870349	84870649	0	1	300,		0	-5.45	-4.25	3.17	-2.7	-4.67
chrX	73213897	73214448	NAP1L2	7.10E-07	-	73213897	73214448	0	1	551,		0	-6.15	-4.86	7	-2.63	-4.59
chr17	28345164	28345663	TNFAIP1	9.10E-05	+	28345164	28345663	0	1	499,		0	-4.04	-3.86	4.56	-2.63	-4.58

chr1	2190816	2191066	FAAP20	2.60E-06	-	2190816	2191066	0	1	250,	0	-5.58	-4.36	3	-2.62	-4.57
chr14	61279505	61280996	TMEM30B	3.20E-12	-	61279505	61280996	0	1	1491,	0	-11.5	-10.3	6.17	-2.61	-4.56
chr21	42580346	42581043	SLC37A1	1.60E-06	+	42580346	42581043	0	1	697,	0	-5.79	-5.5	5	-2.57	-4.51
chr10	73773219	73773866	FUT11	6.30E-12	+	73773219	73773866	0	1	647,	0	-11.2	-10.1	5.1	-2.53	-4.47
chr14	88479760	88480308	AL162171.	2.80E-05	-	88479760	88480308	0	1	548,	0	-4.55	-4.35	4.44	-2.53	-4.46
chr16	58012818	58013168	USB1	0.0039	+	58012818	58013168	0	1	350,	0	-2.41	-1.49	5	-2.51	-4.44
chr17	55159866	55160017	STXBP4	4.30E-07	+	55159866	55160017	0	1	151,	0	-6.37	-5.06	1.5	-2.51	-4.43
chr1	2E+08	2E+08	ZNF281	3.20E-09	-	2E+08	2E+08	0	2	2637,61,	0,2859	-8.49	-7.9	6.73	-2.5	-4.42
chr1	1.55E+08	1.55E+08	ADAR	2.00E-13	-	1.55E+08	1.55E+08	0	1	1448,	0	-12.7	-11.2	3.77	-2.39	-4.29
chr6	30705060	30705908	MDC1	1.20E-05	-	30705060	30705908	0	1	848,	0	-4.91	-4.68	2.5	-2.36	-4.26
chr2	1.88E+08	1.88E+08	TFPI	0.0013	-	1.88E+08	1.88E+08	0	1	350,	0	-2.88	-2.75	2.43	-2.34	-4.23
chr6	1.38E+08	1.38E+08	NHSL1	0.00045	-	1.38E+08	1.38E+08	0	1	250,	0	-3.35	-2.36	5.8	-2.32	-4.21
chr7	84999583	84999832	SEMA3D	0.0034	-	84999583	84999832	0	1	249,	0	-2.47	-2.35	6	-2.3	-4.18
chr1	92842609	92844105	DIPK1A	1.90E-07	-	92842609	92844105	0	1	1496,	0	-6.73	-6.35	8	-2.29	-4.17
chr18	57483899	57484250	ONECUT2	3.70E-05	+	57483899	57484250	0	1	351,	0	-4.43	-3.34	5.29	-2.23	-4.1
chr9	96817514	96818758	ZNF782	3.20E-06	-	96817514	96818758	0	1	1244,	0	-5.49	-5.23	6.86	-2.21	-4.08
chr8	58560450	58561048	SDCBP	1.40E-05	+	58560450	58561048	0	1	598,	0	-4.84	-4.62	5.86	-2.2	-4.07
chr19	53408914	53409415	ZNF765	5.50E-07	+	53408914	53409415	0	1	501,	0	-6.26	-4.95	5	-2.2	-4.07
chr13	80336963	80338780	SPRY2	5.10E-10	-	80336963	80338780	0	2	793,48,	0,1769	-9.29	-8.56	5.61	-2.2	-4.06
chr4	1.58E+08	1.58E+08	FAM198B-	1.70E-06	+	1.58E+08	1.58E+08	0	1	300,	0	-5.78	-4.54	5.75	-2.19	-4.06
chr3	47916060	47918754	MAP4	2.50E-12	-	47916060	47918754	0	2	1114,36,	0,2658	-11.6	-10.4	4.64	-2.18	-4.04
chr2	1.72E+08	1.72E+08	DLX1	3.00E-08	+	1.72E+08	1.72E+08	0	1	943,	0	-7.53	-7.05	4.85	-2.18	-4.04
chr1	2.02E+08	2.02E+08	NAV1	0.0016	+	2.02E+08	2.02E+08	0	1	400,	0	-2.79	-2.66	8.25	-2.17	-4.03
chr1	1.5E+08	1.5E+08	RPRD2	1.60E-13	+	1.5E+08	1.5E+08	0	1	2697,	0	-12.8	-11.3	8.5	-2.17	-4.02
chr2	1.66E+08	1.66E+08	SCN9A	1.10E-05	-	1.66E+08	1.66E+08	0	1	850,	0	-4.95	-4.72	7.4	-2.17	-4.02
chr9	1.33E+08	1.33E+08	GTF3C4	1.30E-11	+	1.33E+08	1.33E+08	0	2	72,728,	0,7093	-10.9	-9.84	5.67	-2.16	-4.01
chr3	1.52E+08	1.52E+08	MBNL1	9.30E-05	+	1.52E+08	1.52E+08	0	1	401,	0	-4.03	-2.97	4.5	-2.16	-4.01
chr3	9475549	9476398	SETD5	5.00E-16	+	9475549	9476398	0	1	849,	0	-15.3	-13.3	5.92	-2.15	-3.99
chr13	23335062	23336011	SACS	0.0046	-	23335062	23336011	0	1	949,	0	-2.34	-2.22	6.78	-2.13	-3.98
chr1	2.07E+08	2.07E+08	RASSF5	0.00047	+	2.07E+08	2.07E+08	0	1	300,	0	-3.33	-2.34	6.25	-2.12	-3.96
chr12	53382575	53383474	SP1	1.30E-13	+	53382575	53383474	0	1	899,	0	-12.9	-11.4	4.39	-2.11	-3.95
chr7	12369759	12370406	VWDE	4.40E-06	-	12369759	12370406	0	1	647,	0	-5.36	-5.11	3.17	-2.1	-3.93
chr9	78273908	78274307	CEP78	4.00E-05	+	78273908	78274307	0	1	399,	0	-4.4	-4.21	3.92	-2.1	-3.93
chr1	77728414	77728564	USP33	1.00E-04	-	77728414	77728564	0	1	150,	0	-3.99	-3.81	1.95	-2.07	-3.9
chr17	68269303	68271142	SLC16A6	3.20E-06	-	68269303	68271142	0	2	43,304,	0,1535	-5.5	-5.23	4	-2.07	-3.9
chr4	1918761	1919111	NSD2	2.00E-08	+	1918761	1919111	0	1	350,	0	-7.69	-7.2	2.92	-2.05	-3.86
chr14	1.02E+08	1.02E+08	MOK	0.00093	-	1.02E+08	1.02E+08	0	1	351,	0	-3.03	-2.89	3.27	-1.97	-3.77
chr9	1.31E+08	1.31E+08	ABL1	3.50E-09	+	1.31E+08	1.31E+08	0	1	1897,	0	-8.46	-7.87	4.83	-1.97	-3.77
chr15	99883087	99883437	AC090825.	2.40E-07	+	99883087	99883437	0	1	350,	0	-6.62	-6.25	9.25	-1.96	-3.76
chr14	1.04E+08	1.04E+08	XRCC3	0.0017	-	1.04E+08	1.04E+08	0	1	150,	0	-2.76	-1.81	1.6	-1.95	-3.74
chr6	52404138	52404588	PAQR8	1.10E-05	+	52404138	52404588	0	1	450,	0	-4.95	-3.8	4	-1.95	-3.74
chr10	53806663	53806963	PCDH15	4.60E-07	-	53806663	53806963	0	1	300,	0	-6.34	-6	6.11	-1.94	-3.73
chr1	26774650	26774950	ARID1A	6.60E-10	+	26774650	26774950	0	1	300,	0	-9.18	-8.47	3.97	-1.91	-3.69
chr9	92615444	92616143	CENPP	6.30E-06	+	92615444	92616143	0	1	699,	0	-5.2	-4.95	3.8	-1.91	-3.69
chr11	567288	567684	MIR210HG	5.40E-05	-	567288	567684	0	1	396,	0	-4.27	-4.09	9.8	-1.91	-3.69
chr19	38941899	38942499	FBXO17	3.70E-10	-	38941899	38942499	0	1	600,	0	-9.43	-8.67	4.5	-1.91	-3.69
chr19	39014083	39014429	ACO11455.	0.0021	+	39014083	39014429	0	1	346,	0	-2.67	-1.72	4.6	-1.9	-3.68
chr7	79453116	79453317	MAGI2	3.00E-04	-	79453116	79453317	0	1	201,	0	-3.52	-2.51	2.8	-1.89	-3.66
chr2	1.99E+08	1.99E+08	SATB2	8.50E-05	-	1.99E+08	1.99E+08	0	1	150,	0	-4.07	-3.01	3.83	-1.87	-3.64
chr6	1.38E+08	1.38E+08	ARFGF3	1.50E-06	+	1.38E+08	1.38E+08	0	1	151,	0	-5.81	-4.56	1.86	-1.87	-3.63
chr11	93699577	93700175	CEP295	0.00039	+	93699577	93700175	0	1	598,	0	-3.41	-3.26	3	-1.85	-3.6

chr9	1.37E+08	1.37E+08	AJM1	0.00011	+	1.37E+08	1.37E+08	0	1	350,	0	-3.94	-2.89	3	-1.85	-3.6
chr5	662352	662602	TPPP	0.00095	-	662352	662602	0	1	250,	0	-3.02	-2.05	2.29	-1.84	-3.59
chr12	54292307	54295193	NFE2	4.10E-08	-	54292307	54295193	0	2	1074,59,	0,2827	-7.39	-6.93	7.09	-1.83	-3.58
chr17	28398770	28399119	SARM1	1.20E-06	+	28398770	28399119	0	1	349,	0	-5.92	-5.62	2.5	-1.83	-3.57
chr15	40621096	40622147	KNL1	2.00E-07	+	40621096	40622147	0	1	1051,	0	-6.69	-6.32	9.4	-1.82	-3.57
chr4	1.51E+08	1.51E+08	MAB21L2	0.00018	+	1.51E+08	1.51E+08	0	1	347,	0	-3.74	-3.58	4.69	-1.83	-3.57
chr7	1.08E+08	1.08E+08	CBL1	7.90E-13	+	1.08E+08	1.08E+08	0	1	1046,	0	-12.1	-10.8	8.83	-1.82	-3.56
chr2	1.7E+08	1.7E+08	KLHL23	8.50E-08	+	1.7E+08	1.7E+08	0	1	498,	0	-7.07	-6.65	4.33	-1.82	-3.56
chr3	67003759	67004059	KBTBD8	7.60E-07	+	67003759	67004059	0	1	300,	0	-6.12	-4.83	2.4	-1.81	-3.55
chr4	1.83E+08	1.83E+08	CDKN2AIP	6.60E-08	+	1.83E+08	1.83E+08	0	1	793,	0	-7.18	-6.75	9.71	-1.8	-3.53
chr16	31754938	31755388	ZNF720	8.10E-06	+	31754938	31755388	0	1	450,	0	-5.09	-3.93	3.6	-1.8	-3.53
chr3	1.52E+08	1.52E+08	MBNL1-AS1	3.40E-07	-	1.52E+08	1.52E+08	0	1	350,	0	-6.47	-5.15	4.5	-1.8	-3.53
chr2	1.82E+08	1.82E+08	ITPRID2	5.00E-08	+	1.82E+08	1.82E+08	0	1	550,	0	-7.3	-6.86	6.67	-1.8	-3.52
chr3	67003460	67003660	KBTBD8	7.60E-07	+	67003460	67003660	0	1	200,	0	-6.12	-5.8	5.6	-1.79	-3.51
chr17	28398767	28399116	SLC46A1	2.00E-06	-	28398767	28399116	0	1	349,	0	-5.69	-5.41	2.57	-1.77	-3.48
chr13	1.14E+08	1.14E+08	UPF3A	2.50E-12	+	1.14E+08	1.14E+08	0	5	15,188,161,20,75,7310,102		-11.6	-10.4	4.6	-1.76	-3.47
chr7	1.35E+08	1.35E+08	CNOT4	3.50E-06	-	1.35E+08	1.35E+08	0	2	192,159,	0,859	-5.46	-5.2	3.12	-1.74	-3.45
chr5	1.16E+08	1.16E+08	SEMA6A	1.40E-06	-	1.16E+08	1.16E+08	0	1	250,	0	-5.84	-5.54	6.57	-1.74	-3.44
chr9	96012348	96013198	ERCC6L2	2.70E-10	+	96012348	96013198	0	1	850,	0	-9.57	-8.79	15.4	-1.74	-3.44
chr17	21534184	21534384	C17orf51	3.70E-06	-	21534184	21534384	0	1	200,	0	-5.43	-4.22	2.43	-1.73	-3.44
chr12	98514749	98514898	TMPO-AS1	9.30E-10	-	98514749	98514898	0	1	149,	0	-9.03	-7.3	1.62	-1.73	-3.43
chr2	1.9E+08	1.9E+08	MFSD6	3.00E-04	+	1.9E+08	1.9E+08	0	1	200,	0	-3.52	-2.52	6.75	-1.72	-3.42
chr16	48560815	48562407	AC026470	7.90E-11	-	48560815	48562407	0	1	1592,	0	-10.1	-9.23	6.5	-1.7	-3.39
chr4	98471858	98476206	TSPAN5	7.10E-09	-	98471858	98476206	0	2	729,18,	0,4330	-8.15	-6.57	4.83	-1.7	-3.39
chr19	12874003	12874653	MAST1	3.00E-05	+	12874003	12874653	0	1	650,	0	-4.52	-4.32	4.85	-1.68	-3.37
chr3	48639753	48640454	CELSR3	6.80E-07	-	48639753	48640454	0	1	701,	0	-6.17	-5.85	10.2	-1.67	-3.36
chr2	1.99E+08	1.99E+08	SATB2	8.50E-05	-	1.99E+08	1.99E+08	0	1	200,	0	-4.07	-3.89	4.4	-1.67	-3.36
chr14	70977017	70978614	PCNX1	6.30E-14	+	70977017	70978614	0	1	1597,	0	-13.2	-11.6	6.74	-1.67	-3.35
chr15	88903995	88904145	MFGE8	1.00E-05	-	88903995	88904145	0	1	150,	0	-5	-3.84	2	-1.67	-3.35
chr4	1.19E+08	1.19E+08	SYNPO2	2.60E-06	+	1.19E+08	1.19E+08	0	1	250,	0	-5.59	-4.37	3.75	-1.67	-3.35
chr19	50045552	50046502	ZNF473	3.70E-07	+	50045552	50046502	0	1	950,	0	-6.43	-6.09	5.11	-1.66	-3.34
chr3	49531036	49533626	DAG1	1.60E-11	+	49531036	49533626	0	1	2590,	0	-10.8	-9.78	5.87	-1.66	-3.34
chr16	31915910	31916709	ZNF267	5.90E-10	+	31915910	31916709	0	1	799,	0	-9.23	-8.51	5.6	-1.66	-3.34
chr8	61659008	61659209	ASPH	0.0015	-	61659008	61659209	0	1	201,	0	-2.81	-1.86	2.67	-1.65	-3.33
chrX	51332978	51333274	NUDT10	3.00E-04	+	51332978	51333274	0	1	296,	0	-3.53	-3.38	3.27	-1.65	-3.32
chr14	1.04E+08	1.04E+08	KLC1	0.00014	+	1.04E+08	1.04E+08	0	1	151,	0	-3.86	-2.82	1.78	-1.65	-3.32
chr20	327784	328283	SOX12	1.70E-08	+	327784	328283	0	1	499,	0	-7.76	-7.26	3.27	-1.63	-3.3
chr1	2.01E+08	2.01E+08	KIF14	1.50E-06	-	2.01E+08	2.01E+08	0	1	401,	0	-5.81	-5.52	3	-1.62	-3.29
chr14	1.04E+08	1.04E+08	KLC1	0.00014	+	1.04E+08	1.04E+08	0	1	201,	0	-3.86	-2.82	2.71	-1.62	-3.28
chr2	1.82E+08	1.82E+08	ITPRID2	1.00E-07	+	1.82E+08	1.82E+08	0	1	250,	0	-6.99	-6.59	5.14	-1.62	-3.28
chr6	1.1E+08	1.1E+08	WASF1	8.70E-09	-	1.1E+08	1.1E+08	0	2	453,42,	0,1614	-8.06	-7.52	4.25	-1.61	-3.27
chr12	1.21E+08	1.21E+08	OASL	2.00E-05	-	1.21E+08	1.21E+08	0	1	298,	0	-4.7	-3.58	3.8	-1.6	-3.26
chr13	23331320	23332119	SACS	7.10E-05	-	23331320	23332119	0	1	799,	0	-4.15	-3.97	5	-1.59	-3.25
chr1	1.17E+08	1.17E+08	PTGFRN	1.50E-09	+	1.17E+08	1.17E+08	0	2	303,346,	0,11973	-8.82	-8.17	5.87	-1.58	-3.24
chr1	1.74E+08	1.74E+08	CENPL	1.30E-08	-	1.74E+08	1.74E+08	0	2	176,421,	0,2619	-7.88	-7.36	6.75	-1.58	-3.23
chr5	21473394	21473644	GUSBP1	1.10E-05	+	21473394	21473644	0	1	250,	0	-4.95	-3.8	4.75	-1.57	-3.22
chr11	3358859	3359657	ZNF195	1.80E-10	-	3358859	3359657	0	1	798,	0	-9.74	-8.92	6.63	-1.56	-3.2
chrX	1.54E+08	1.54E+08	HCFC1	1.90E-09	-	1.54E+08	1.54E+08	0	1	798,	0	-8.71	-8.08	4.65	-1.56	-3.2
chr8	37841713	37842708	ADGRA2	1.40E-05	+	37841713	37842708	0	1	995,	0	-4.86	-4.64	7.25	-1.55	-3.19
chr9	1.21E+08	1.21E+08	MEGF9	9.10E-07	-	1.21E+08	1.21E+08	0	1	401,	0	-6.04	-4.77	5	-1.54	-3.18
chr1	1.93E+08	1.93E+08	RGS2	6.20E-05	+	1.93E+08	1.93E+08	0	1	299,	0	-4.21	-4.03	3.77	-1.53	-3.18

chr17	68271339	68272671	SLC16A6	3.20E-06	-	68271339	68272671	0	2	315,33,	0,1299		-5.5	-4.28	6.6	-1.53	-3.17
chr10	42519791	42521046	ZNF37BP	2.70E-08	-	42519791	42521046	0	1	1255,		0	-7.57	-7.09	9.33	-1.53	-3.17
chr20	325843	327188	SOX12	3.30E-09	+	325843	327188	0	1	1345,		0	-8.48	-7.89	4.24	-1.53	-3.16
chr14	67677399	67684585	RDH11	6.30E-12	-	67677399	67684585	0	2	1024,76,	0,7110		-11.2	-10.1	3.6	-1.51	-3.14
chr12	45850390	45851140	ARID2	3.00E-09	+	45850390	45851140	0	1	750,		0	-8.53	-7.93	3.95	-1.5	-3.13
chr19	52652584	52653234	AC022150	4.80E-08	-	52652584	52653234	0	1	650,		0	-7.32	-6.87	4.2	-1.5	-3.13
chr9	72354944	72355094	ZFAND5	9.50E-08	-	72354944	72355094	0	1	150,		0	-7.02	-6.61	2.06	-1.49	-3.12
chr12	1.21E+08	1.21E+08	CABP1	0.0028	+	1.21E+08	1.21E+08	0	1	299,		0	-2.56	-2.43	6.4	-1.5	-3.12
chr6	43049506	43049606	CUL7	0.001	-	43049506	43049606	0	1	100,		0	-3	-2.87	1.38	-1.48	-3.1
chr2	8730335	8731134	KIDINS220	2.40E-09	-	8730335	8731134	0	1	799,		0	-8.62	-8	7.5	-1.48	-3.1
chr11	76351003	76351603	THAP12	7.90E-11	-	76351003	76351603	0	1	600,		0	-10.1	-9.2	3.89	-1.48	-3.1
chr1	26729735	26731523	GRID1A	1.00E-10	+	26729735	26731523	0	2	128,372,	0,1416		-9.98	-9.11	2.3	-1.47	-3.08
chr3	1.29E+08	1.29E+08	GATA2-AS	0.001	+	1.29E+08	1.29E+08	0	1	345,		0	-2.98	-2.84	4.36	-1.47	-3.08
chr11	1.02E+08	1.02E+08	BIRC3	4.50E-05	+	1.02E+08	1.02E+08	0	1	299,		0	-4.35	-4.16	5.11	-1.46	-3.07
chr21	26965343	26965693	ADAMTS5	1.30E-06	-	26965343	26965693	0	1	350,		0	-5.88	-4.62	4.14	-1.46	-3.07
chr3	1.24E+08	1.24E+08	CCDC14	6.60E-10	-	1.24E+08	1.24E+08	0	2	929,20,	0,15982		-9.18	-8.47	6.71	-1.46	-3.07
chr12	62613770	62614220	AC048341	3.20E-07	+	62613770	62614220	0	1	450,		0	-6.5	-6.15	3.7	-1.45	-3.05
chr9	92615573	92619550	IPPK	4.20E-06	-	92615573	92619550	0	2	484,65,	0,3912		-5.38	-5.12	3.24	-1.44	-3.03
chr13	23330172	23331221	SACS	7.10E-05	-	23330172	23331221	0	1	1049,		0	-4.15	-3.97	5.71	-1.43	-3.03
chr1	25815737	25816234	SELENON	3.40E-06	+	25815737	25816234	0	1	497,		0	-5.47	-5.2	2.94	-1.44	-3.03
chr17	28347324	28347720	POLDIP2	1.50E-06	-	28347324	28347720	0	1	396,		0	-5.83	-5.53	2.54	-1.42	-3.01
chr14	1.04E+08	1.04E+08	XRCC3	0.0017	-	1.04E+08	1.04E+08	0	1	150,		0	-2.76	-1.81	2.5	-1.42	-3.01
chr4	1.03E+08	1.03E+08	NFKB1	1.00E-05	+	1.03E+08	1.03E+08	0	2	26,174,	0,2878		-4.98	-4.75	1.85	-1.41	-3
chr9	1.27E+08	1.27E+08	ANGPTL2	1.30E-05	-	1.27E+08	1.27E+08	0	2	623,172,	0,14157		-4.89	-4.66	7	-1.41	-3
chr12	1.32E+08	1.32E+08	EP400P1	4.80E-05	+	1.32E+08	1.32E+08	0	1	151,		0	-4.32	-3.23	2	-1.41	-3
chr19	16326938	16327284	KLF2	5.10E-05	+	16326938	16327284	0	1	346,		0	-4.29	-4.1	4.5	-1.4	-2.98
chr19	53874385	53874636	MYADM	2.70E-07	+	53874385	53874636	0	1	251,		0	-6.57	-6.21	1.96	-1.4	-2.98
chr2	66571220	66571721	MEIS1	1.00E-13	+	66571220	66571721	0	1	501,		0	-13	-11.5	6.09	-1.39	-2.97
chr7	1542930	1543130	TMEM184	9.30E-05	-	1542930	1543130	0	1	200,		0	-4.03	-2.98	3.4	-1.38	-2.95
chr15	54014618	54014819	UNC13C	5.50E-06	+	54014618	54014819	0	1	201,		0	-5.26	-5.01	3.86	-1.37	-2.94
chr12	1.13E+08	1.13E+08	PLBD2	5.00E-10	+	1.13E+08	1.13E+08	0	1	944,		0	-9.3	-8.57	6.12	-1.37	-2.94
chr19	57291646	57292981	ZNF460	2.10E-09	+	57291646	57292981	0	1	1335,		0	-8.67	-8.04	6.42	-1.37	-2.94
chr10	42519433	42521077	ZNF37BP	8.50E-09	-	42519433	42521077	0	1	1644,		0	-8.07	-7.53	10.4	-1.35	-2.92
chr3	53864995	53865295	IL17RB	6.20E-07	+	53864995	53865295	0	1	300,		0	-6.21	-5.88	4.14	-1.34	-2.9
chr11	26660308	26660706	ANO3	2.50E-09	+	26660308	26660706	0	1	398,		0	-8.6	-7.98	2.31	-1.34	-2.89
chr1	1.09E+08	1.09E+08	TMEM1671	6.90E-07	+	1.09E+08	1.09E+08	0	1	100,		0	-6.16	-5.83	1.82	-1.34	-2.89
chr9	5921271	5922322	KIAA2026	0.00021	-	5921271	5922322	0	1	1051,		0	-3.68	-3.52	10.6	-1.33	-2.88
chr7	79458916	79459017	MAGI2-AS	0.00062	+	79458916	79459017	0	1	101,		0	-3.21	-3.07	4.9	-1.33	-2.88
chrX	1.3E+08	1.3E+08	BCORL1	1.50E-07	+	1.3E+08	1.3E+08	0	2	322,79,	0,3577		-6.82	-6.43	2.49	-1.32	-2.87
chr7	1.32E+08	1.32E+08	PODXL	0.0033	-	1.32E+08	1.32E+08	0	1	250,		0	-2.48	-1.55	4.6	-1.32	-2.87
chr5	55940825	55942672	IL6ST	2.80E-10	-	55940825	55942672	0	2	994,3,	0,1844		-9.56	-8.77	7.43	-1.32	-2.87
chr1	1.63E+08	1.63E+08	DDR2	6.80E-08	+	1.63E+08	1.63E+08	0	1	401,		0	-7.17	-6.75	2.98	-1.32	-2.87
chr2	69245533	69246033	ANTXR1	4.30E-05	+	69245533	69246033	0	1	500,		0	-4.37	-4.18	7.5	-1.32	-2.87
chr1	28538402	28538802	RCC1	1.40E-08	+	28538402	28538802	0	1	400,		0	-7.85	-7.34	3.47	-1.32	-2.87
chr2	32414819	32416117	BIRC6	2.50E-13	+	32414819	32416117	0	1	1298,		0	-12.6	-11.1	5.44	-1.32	-2.86
chr15	36891346	36894502	MEIS2	3.20E-16	-	36891346	36894502	0	2	1113,85,	0,3071		-15.5	-13.5	7.4	-1.31	-2.85
chr11	72014837	72016432	NUMA1	7.90E-12	-	72014837	72016432	0	2	1423,25,	0,1570		-11.1	-9.97	2.08	-1.31	-2.85
chr14	35689455	35689705	RALGAPA1	0.00059	-	35689455	35689705	0	1	250,		0	-3.23	-2.25	3.25	-1.31	-2.85
chr6	75702792	75702942	SENP6	2.50E-07	+	75702792	75702942	0	1	150,		0	-6.61	-6.24	2.53	-1.3	-2.84
chr2	1.08E+08	1.08E+08	GCC2	4.90E-06	+	1.08E+08	1.08E+08	0	1	450,		0	-5.31	-5.05	7.13	-1.3	-2.84
chr18	9859265	9859515	RAB31	7.60E-05	+	9859265	9859515	0	1	250,		0	-4.12	-3.94	2.64	-1.3	-2.83

chr2	45652092	45652293	PRKCE	4.30E-08	+	45652092	45652293	0	1	201,	0	-7.37	-5.91	3.33	-1.29	-2.82
chr2	2.19E+08	2.19E+08	SPEG	1.20E-06	+	2.19E+08	2.19E+08	0	1	1049,	0	-5.93	-5.63	5.86	-1.27	-2.8
chr16	70252494	70252895	AARS	4.00E-11	-	70252494	70252895	0	1	401,	0	-10.4	-9.46	4.32	-1.27	-2.8
chr1	47280289	47281139	STIL	1.00E-10	-	47280289	47281139	0	1	850,	0	-10	-9.15	6.5	-1.27	-2.8
chr1	1.63E+08	1.63E+08	DDR2	2.60E-05	+	1.63E+08	1.63E+08	0	1	300,	0	-4.59	-4.38	1.89	-1.27	-2.8
chr4	20251954	20254973	SLIT2	7.90E-14	+	20251954	20254973	0	2	2040,54,	0,2965	-13.1	-11.6	5.04	-1.26	-2.79
chr22	49903415	49904014	ALG12	4.90E-09	-	49903415	49904014	0	1	599,	0	-8.31	-7.74	4.56	-1.26	-2.79
chr6	8413291	8413639	SLC35B3	3.60E-09	-	8413291	8413639	0	1	348,	0	-8.44	-7.85	3.93	-1.25	-2.78
chr15	64673995	64675541	ZNF609	4.40E-10	+	64673995	64675541	0	1	1546,	0	-9.36	-8.61	7.17	-1.26	-2.78
chr4	1.25E+08	1.25E+08	FAT4	5.90E-05	+	1.25E+08	1.25E+08	0	1	500,	0	-4.23	-4.05	5.6	-1.25	-2.78
chr4	77028659	77031330	11-Sep	2.10E-07	+	77028659	77031330	0	2	102,548,	0,2123	-6.67	-6.3	3.67	-1.24	-2.76
chr1	1.52E+08	1.52E+08	FLG-AS1	0.00048	+	1.52E+08	1.52E+08	0	2	150,1,	0,735	-3.32	-2.33	1.75	-1.24	-2.76
chr16	14258133	14261930	MRTFB	6.90E-09	+	14258133	14261930	0	2	28,1022,	0,2775	-8.16	-7.61	12	-1.23	-2.75
chr5	1.41E+08	1.41E+08	PCDHGA1	5.40E-05	+	1.41E+08	1.41E+08	0	1	201,	0	-4.27	-4.09	6.67	-1.23	-2.75
chr19	49838685	49839634	MED25	2.00E-09	+	49838685	49839634	0	1	949,	0	-8.7	-8.07	8.89	-1.23	-2.74
chr1	1.56E+08	1.56E+08	YY1AP1	1.00E-09	-	1.56E+08	1.56E+08	0	1	1140,	0	-8.98	-8.3	3.46	-1.23	-2.74
chr18	59900046	59900438	PMAIP1	0.00047	+	59900046	59900438	0	2	189,11,	0,381	-3.33	-2.34	2.44	-1.22	-2.73
chr5	664245	664395	TPPP	0.0056	-	664245	664395	0	1	150,	0	-2.25	-1.34	2.25	-1.21	-2.72
chr9	38068478	38069028	SHB	3.20E-05	-	38068478	38069028	0	1	550,	0	-4.5	-4.3	7.83	-1.21	-2.71
chr10	79298413	79298513	ZMIZ1	3.30E-05	+	79298413	79298513	0	1	100,	0	-4.48	-4.28	1.79	-1.2	-2.71
chr16	3436500	3437497	ZNF597	5.10E-09	-	3436500	3437497	0	1	997,	0	-8.29	-7.72	10.8	-1.21	-2.71
chr19	38736695	38736944	CAPN12	5.60E-05	-	38736695	38736944	0	1	249,	0	-4.25	-4.06	3.9	-1.21	-2.71
chr4	94252666	94252766	SMARCAD	0.00051	+	94252666	94252766	0	1	100,	0	-3.29	-3.15	1.83	-1.2	-2.7
chr15	38326010	38326111	SPRED1	0.006	+	38326010	38326111	0	1	101,	0	-2.22	-1.31	1.55	-1.2	-2.7
chr8	52656074	52657518	RB1CC1	3.00E-09	-	52656074	52657518	0	1	1444,	0	-8.52	-7.92	8.25	-1.2	-2.69
chr10	69930055	69931224	COL13A1	1.30E-06	+	69930055	69931224	0	3	32,153,65,	0,344,1104	-5.87	-4.61	1.86	-1.19	-2.69
chr11	72014838	72016233	AP002490	4.10E-10	+	72014838	72016233	0	1	1395,	0	-9.39	-8.64	2.02	-1.2	-2.69
chr8	1.44E+08	1.44E+08	EPPK1	1.20E-05	-	1.44E+08	1.44E+08	0	1	150,	0	-4.92	-3.77	3	-1.2	-2.69
chr4	1.39E+08	1.39E+08	NAA15	7.60E-06	+	1.39E+08	1.39E+08	0	1	200,	0	-5.12	-4.88	1.56	-1.19	-2.68
chr15	75411722	75412991	SIN3A	7.20E-08	-	75411722	75412991	0	2	21,229,	0,1040	-7.14	-6.72	2.29	-1.18	-2.67
chr17	38532572	38532922	SRCIN1	1.10E-06	-	38532572	38532922	0	1	350,	0	-5.96	-5.65	5	-1.18	-2.67
chr19	21057806	21058106	ZNF430	1.40E-07	+	21057806	21058106	0	1	300,	0	-6.85	-5.47	1.75	-1.17	-2.66
chr5	56922383	56922682	MIER3	7.90E-08	-	56922383	56922682	0	1	299,	0	-7.1	-5.68	2.25	-1.16	-2.65
chr19	23360455	23360705	ZNF91	5.40E-10	-	23360455	23360705	0	1	250,	0	-9.27	-8.55	1.67	-1.16	-2.65
chr9	1.37E+08	1.37E+08	AL355987	0.003	+	1.37E+08	1.37E+08	0	3	42,97,61,	0,144,914	-2.53	-1.6	3	-1.16	-2.65
chr19	48969226	48969477	GYS1	2.00E-08	-	48969226	48969477	0	1	251,	0	-7.7	-7.2	2.68	-1.16	-2.64
chr7	79453126	79453595	MAGI2-AS	0.001	+	79453126	79453595	0	2	65,36,	0,433	-2.98	-2.01	2.75	-1.16	-2.64
chr11	20118456	20118706	NAV2	0.00051	+	20118456	20118706	0	1	250,	0	-3.29	-2.3	3.75	-1.16	-2.63
chr22	49903426	49904076	AL671710	5.00E-18	+	49903426	49904076	0	1	650,	0	-17.3	-15.2	5.73	-1.15	-2.63
chr1	41585020	41585220	HIVEP3	0.001	-	41585020	41585220	0	1	200,	0	-2.99	-2.03	4	-1.15	-2.62
chr7	1544572	1544971	TMEM184	5.60E-05	-	1544572	1544971	0	1	399,	0	-4.25	-3.17	3.5	-1.15	-2.62
chr10	91629885	91630783	PPP1R3C	1.80E-07	-	91629885	91630783	0	1	898,	0	-6.75	-6.37	5.25	-1.14	-2.61
chr1	1.46E+08	1.46E+08	POLR3C	0.00013	+	1.46E+08	1.46E+08	0	1	251,	0	-3.88	-2.83	2	-1.14	-2.61
chr17	63426001	63426800	TANC2	2.30E-08	+	63426001	63426800	0	1	799,	0	-7.64	-7.15	5.55	-1.12	-2.59
chr9	86946058	86946208	GAS1	1.00E-05	-	86946058	86946208	0	1	150,	0	-4.99	-3.84	4	-1.12	-2.59
chr10	1.14E+08	1.14E+08	ABLIM1	3.70E-07	-	1.14E+08	1.14E+08	0	2	371,30,	0,1841	-6.43	-6.09	4.14	-1.12	-2.58
chr8	30836966	30842096	TEX15	2.30E-07	-	30836966	30842096	0	3	1095,59,93,	0,2939,5037	-6.64	-6.27	6.2	-1.12	-2.58
chr16	89227394	89228891	ZNF778	4.90E-07	+	89227394	89228891	0	1	1497,	0	-6.31	-5.97	7.17	-1.12	-2.58
chr6	1.46E+08	1.46E+08	FBXO30	7.90E-26	-	1.46E+08	1.46E+08	0	2	1847,193,	0,10028	-25.1	-22.5	6.67	-1.11	-2.57
chr22	37024702	37024802	MPST	1.70E-07	+	37024702	37024802	0	1	100,	0	-6.78	-6.4	1.67	-1.12	-2.57
chr19	9529368	9529619	ZNF426	1.10E-05	-	9529368	9529619	0	1	251,	0	-4.94	-3.79	6.25	-1.11	-2.57

chr14	34775987	34776188	BAZ1A	6.30E-06	-	34775987	34776188	0	1	201,	0	-5.2	-4.96	2.69	-1.11	-2.57
chr11	94180059	94181870	PANX1	1.90E-08	+	94180059	94181870	0	2	198,1081,	0,730	-7.71	-7.21	14.7	-1.11	-2.56
chr1	11273255	11273654	UBIAD1	1.30E-08	+	11273255	11273654	0	1	399,	0	-7.9	-6.37	2.57	-1.11	-2.56
chr6	89864021	89864221	CASP8AP2	2.60E-06	+	89864021	89864221	0	1	200,	0	-5.58	-5.31	7	-1.1	-2.55
chr9	1.35E+08	1.35E+08	PPP1R26	1.00E-08	+	1.35E+08	1.35E+08	0	1	596,	0	-8	-7.47	7	-1.1	-2.55
chr1	2.47E+08	2.47E+08	ZNF695	1.40E-07	-	2.47E+08	2.47E+08	0	1	940,	0	-6.84	-6.45	5.33	-1.11	-2.55
chr7	1.27E+08	1.27E+08	ZNF800	0.00035	-	1.27E+08	1.27E+08	0	1	301,	0	-3.45	-3.3	5.8	-1.09	-2.54
chr11	64227279	64227379	NUDT22	3.70E-05	+	64227279	64227379	0	1	100,	0	-4.43	-3.33	1.78	-1.09	-2.53
chr13	95676256	95676706	DNAJC3-C	1.20E-06	-	95676256	95676706	0	1	450,	0	-5.92	-5.62	7.33	-1.09	-2.53
chr2	1.99E+08	1.99E+08	SATB2	0.00019	-	1.99E+08	1.99E+08	0	1	150,	0	-3.73	-2.71	1.89	-1.08	-2.52
chr9	1.36E+08	1.36E+08	CAMSAP1	3.50E-07	-	1.36E+08	1.36E+08	0	2	939,57,	0,1628	-6.46	-6.11	7.92	-1.08	-2.52
chr12	65824479	65824978	HMG2	4.00E-11	+	65824479	65824978	0	1	499,	0	-10.4	-9.44	2.19	-1.08	-2.52
chr10	89014220	89014470	FAS	0.00055	+	89014220	89014470	0	1	250,	0	-3.26	-3.11	8.57	-1.08	-2.51
chr11	1.23E+08	1.23E+08	JHY	8.90E-05	+	1.23E+08	1.23E+08	0	1	200,	0	-4.05	-2.99	2.75	-1.08	-2.51
chr3	69047961	69051991	TMF1	5.90E-08	-	69047961	69051991	0	2	601,47,	0,3983	-7.23	-6.79	7.14	-1.08	-2.51
chr8	1.23E+08	1.23E+08	ZHX1	4.60E-09	-	1.23E+08	1.23E+08	0	2	776,73,	0,1637	-8.34	-7.76	4.59	-1.08	-2.51
chr15	85579868	85580169	AKAP13	3.20E-07	+	85579868	85580169	0	1	301,	0	-6.5	-6.15	2.72	-1.08	-2.51
chr1	28496581	28496880	PHACTR4	2.90E-08	+	28496581	28496880	0	1	299,	0	-7.54	-7.07	3.83	-1.08	-2.51
chr19	52034070	52034670	ZNF432	3.00E-05	-	52034070	52034670	0	1	600,	0	-4.52	-4.31	7.71	-1.08	-2.51
chr2	38070846	38071146	CYP1B1	3.80E-08	-	38070846	38071146	0	1	300,	0	-7.42	-6.97	4.31	-1.07	-2.5
chr5	1.76E+08	1.76E+08	ARL10	0.0035	+	1.76E+08	1.76E+08	0	2	112,88,	0,2337	-2.46	-2.34	1.93	-1.07	-2.5
chr17	7512829	7514071	POLR2A	7.90E-16	+	7512829	7514071	0	2	94,1051,	0,191	-15.1	-13.2	2.45	-1.07	-2.5
chr15	48756007	48760236	CEP152	4.80E-08	-	48756007	48760236	0	2	546,102,	0,4127	-7.32	-6.87	6.33	-1.07	-2.49
chr11	26565260	26565411	MUC15	7.40E-07	-	26565260	26565411	0	1	151,	0	-6.13	-5.81	3.54	-1.07	-2.49
chr1	1.2E+08	1.2E+08	NOTCH2	2.00E-11	-	1.2E+08	1.2E+08	0	1	1149,	0	-10.7	-9.69	8.33	-1.06	-2.48
chr19	43847017	43848517	ZNF283	8.10E-10	+	43847017	43848517	0	1	1500,	0	-9.09	-8.4	11.8	-1.06	-2.48
chr12	89522801	89524497	GALNT4	1.60E-13	-	89522801	89524497	0	1	1696,	0	-12.8	-11.3	7.62	-1.06	-2.48
chr16	4804543	4805290	GLYR1	6.00E-09	-	4804543	4805290	0	1	747,	0	-8.22	-7.66	4.72	-1.05	-2.47
chr1	1.12E+08	1.12E+08	AL049557.	6.50E-06	-	1.12E+08	1.12E+08	0	1	250,	0	-5.19	-4.01	4.6	-1.05	-2.47
chr2	71348809	71350207	ZNF638	7.90E-11	+	71348809	71350207	0	1	1398,	0	-10.1	-9.23	8.14	-1.05	-2.46
chr12	48343309	48343709	ZNF641	5.50E-10	-	48343309	48343709	0	1	400,	0	-9.26	-8.54	4.79	-1.04	-2.46
chr1	93154670	93156067	TMED5	3.90E-09	-	93154670	93156067	0	2	218,32,	0,1365	-8.41	-7.83	2.25	-1.04	-2.45
chr1	1.97E+08	1.97E+08	ZBTB41	1.50E-08	-	1.97E+08	1.97E+08	0	1	399,	0	-7.83	-7.32	3.21	-1.04	-2.45
chr20	35503423	35507752	CEP250	1.00E-09	+	35503423	35507752	0	2	1582,15,	0,4314	-8.99	-8.31	6.07	-1.03	-2.44
chr5	1.81E+08	1.81E+08	LINC01962	3.20E-05	-	1.81E+08	1.81E+08	0	2	112,335,	0,271	-4.5	-3.4	4.4	-1.03	-2.44
chr10	73125012	73125405	AC016394.	3.20E-15	-	73125012	73125405	0	1	393,	0	-14.5	-11.6	6	-1.03	-2.44
chr19	5244350	5245943	PTPRS	1.30E-06	-	5244350	5245943	0	2	132,168,	0,1425	-5.88	-5.58	2.47	-1.02	-2.43
chr15	52313526	52313826	MYO5A	0.0045	-	52313526	52313826	0	1	300,	0	-2.35	-1.44	2.5	-1.03	-2.43
chr9	1.22E+08	1.22E+08	DAB2IP	5.80E-07	+	1.22E+08	1.22E+08	0	1	350,	0	-6.24	-5.91	3.14	-1.02	-2.42
chr22	24542363	24543851	GUCD1	1.30E-12	-	24542363	24543851	0	2	737,10,	0,1478	-11.9	-10.6	5.53	-1.02	-2.42
chr1	2.05E+08	2.05E+08	NFASC	0.00071	+	2.05E+08	2.05E+08	0	1	201,	0	-3.15	-2.17	3.25	-1.02	-2.42
chr8	22690946	22691147	EGR3	8.90E-06	-	22690946	22691147	0	1	201,	0	-5.05	-3.89	6.33	-1.02	-2.42
chr16	89228512	89228692	AC009113.	1.10E-05	-	89228512	89228692	0	1	180,	0	-4.94	-4.72	4.18	-1.02	-2.42
chr5	55941229	55941727	AC008914.	1.30E-28	+	55941229	55941727	0	1	498,	0	-27.9	-25.3	5.33	-1.02	-2.42
chr17	58495569	58503780	MTMR4	2.30E-09	-	58495569	58503780	0	2	761,37,	0,8174	-8.63	-8.01	8.37	-1.01	-2.41
chr14	60646061	60648763	SIX1	5.40E-08	-	60646061	60648763	0	2	516,134,	0,2568	-7.27	-6.83	3.32	-1.01	-2.41
chr15	68206167	68206318	AC107871.	4.10E-05	-	68206167	68206318	0	1	151,	0	-4.39	-3.3	3.57	-1.01	-2.41
chr10	73125046	73125241	AC016394.	5.10E-05	-	73125046	73125241	0	1	195,	0	-4.29	-3.21	3.75	-1.01	-2.41
chr19	44289049	44289200	ZNF235	0.00028	-	44289049	44289200	0	1	151,	0	-3.55	-2.53	4	-1.01	-2.4
chr1	2.05E+08	2.05E+08	NUAK2	0.0036	-	2.05E+08	2.05E+08	0	1	201,	0	-2.44	-1.52	3.4	-1	-2.4
chr15	84783539	84784190	ZNF592	1.50E-08	+	84783539	84784190	0	1	651,	0	-7.83	-7.32	3.1	-1.01	-2.4

chr5	1.78E+08	1.78E+08	DDX41	2.20E-06	-	1.78E+08	1.78E+08	0	1	200,	0	-5.65	-5.37	1.51	-1.01	-2.4
chr12	1.2E+08	1.2E+08	GATC	8.50E-07	+	1.2E+08	1.2E+08	0	1	447,	0	-6.07	-5.75	4.5	-1.01	-2.4
chr6	63685367	63685917	PHF3	1.20E-10	+	63685367	63685917	0	1	550,	0	-9.93	-9.08	6.53	-0.998	-2.39
chr5	1.38E+08	1.38E+08	KDM3B	2.30E-09	+	1.38E+08	1.38E+08	0	2	457,42,	0,1366	-8.64	-8.02	4.27	-0.998	-2.39
chr20	63931155	63931688	DNAJC5	4.40E-07	+	63931155	63931688	0	2	27,224,	0,309	-6.36	-6.02	2.42	-0.993	-2.38
chr17	17794639	17796382	RAI1	1.70E-08	+	17794639	17796382	0	1	1743,	0	-7.77	-7.27	9.11	-0.994	-2.38
chr12	54017262	54028880	HOXC6	7.90E-12	+	54017262	54028880	0	2	152,441,	0,11177	-11.1	-9.99	3.13	-0.991	-2.38
chr2	88857350	88857588	IGKC	0.0012	-	88857350	88857588	0	1	238,	0	-2.91	-2.78	1.92	-0.995	-2.38
chr15	63046871	63046971	TPM1-AS	0.00065	-	63046871	63046971	0	1	100,	0	-3.19	-2.2	2	-0.997	-2.38
chr9	1.31E+08	1.31E+08	PRRC2B	1.90E-09	+	1.31E+08	1.31E+08	0	1	1450,	0	-8.72	-8.09	2.75	-0.989	-2.37
chr18	35337121	35337821	ZNF24	9.10E-10	-	35337121	35337821	0	1	700,	0	-9.04	-8.36	4.14	-0.988	-2.37
chr6	30292567	30292667	HLA-L	1.80E-06	+	30292567	30292667	0	1	100,	0	-5.75	-5.46	2.7	-0.989	-2.37
chr11	45933668	45934268	PHF21A	1.30E-09	-	45933668	45934268	0	1	600,	0	-8.88	-8.22	6.2	-0.981	-2.36
chr6	16144971	16145121	MYLIP	0.00014	+	16144971	16145121	0	1	150,	0	-3.86	-2.82	2.75	-0.977	-2.35
chr17	43092536	43092736	BRCA1	6.80E-07	-	43092536	43092736	0	1	200,	0	-6.17	-4.87	2.55	-0.977	-2.35
chr12	440914	441992	CCDC77	6.00E-05	+	440914	441992	0	2	82,219,	0,859	-4.22	-4.03	4.17	-0.974	-2.35
chr13	23334114	23334514	SACS	4.00E-04	-	23334114	23334514	0	1	400,	0	-3.4	-3.25	4.43	-0.972	-2.35
chr13	87677514	87678512	SLITRK5	1.00E-13	+	87677514	87678512	0	1	998,	0	-1.3	-11.5	10.7	-0.977	-2.35
chr22	41149171	41150007	EP300	7.60E-07	+	41149171	41150007	0	2	4,247,	0,589	-6.12	-5.8	1.62	-0.972	-2.34
chr14	37622592	37622941	TTC6	0.00045	+	37622592	37622941	0	1	349,	0	-3.35	-2.36	2.75	-0.97	-2.34
chr1	21453462	21453761	NBPF3	1.00E-07	+	21453462	21453761	0	1	299,	0	-6.99	-5.59	2.75	-0.969	-2.34
chr3	1.24E+08	1.24E+08	CCDC14	0.0011	-	1.24E+08	1.24E+08	0	2	35.65,	0,2278	-2.96	-2.83	3.8	-0.972	-2.34
chr5	1.42E+08	1.42E+08	SPRY4	1.20E-08	-	1.42E+08	1.42E+08	0	1	349,	0	-7.93	-7.41	4.23	-0.969	-2.34
chr1	20720478	20720728	SH2D5	4.90E-05	-	20720478	20720728	0	1	250,	0	-4.31	-3.22	3.71	-0.971	-2.34
chr4	1.18E+08	1.18E+08	SNHG8	1.70E-06	+	1.18E+08	1.18E+08	0	1	299,	0	-5.78	-4.54	5.5	-0.969	-2.34
chr1	15734121	15734371	PLEKHM2	0.0015	+	15734121	15734371	0	1	250,	0	-2.83	-2.7	3.07	-0.962	-2.33
chr1	2.1E+08	2.1E+08	UTP25	1.70E-07	+	2.1E+08	2.1E+08	0	2	46,204,	0,1683	-6.77	-6.39	4.33	-0.965	-2.33
chr12	1.22E+08	1.22E+08	TMEM120I	0.00087	+	1.22E+08	1.22E+08	0	1	150,	0	-3.06	-2.92	3.14	-0.965	-2.33
chrX	1.54E+08	1.54E+08	ABCD1	0.00085	+	1.54E+08	1.54E+08	0	1	251,	0	-3.07	-2.93	2.53	-0.96	-2.32
chr6	1.38E+08	1.38E+08	TNFAIP3	0.003	+	1.38E+08	1.38E+08	0	1	249,	0	-2.53	-1.6	3.5	-0.96	-2.32
chr1	39388210	39409504	MACF1	2.00E-08	+	39388210	39409504	0	2	448,2,	0,21292	-7.69	-7.19	5.56	-0.96	-2.32
chr19	53410164	53410315	ZNF765	5.50E-07	+	53410164	53410315	0	1	151,	0	-6.26	-4.95	3	-0.96	-2.32
chr1	47433656	47433805	FOXD2-AS	0.0015	-	47433656	47433805	0	1	149,	0	-2.83	-1.88	2.4	-0.961	-2.32
chr9	1.12E+08	1.12E+08	ZNF483	3.30E-10	+	1.12E+08	1.12E+08	0	1	1797,	0	-9.48	-8.71	17	-0.959	-2.31
chr19	52906413	52907362	ZNF888	1.20E-05	-	52906413	52907362	0	1	949,	0	-4.93	-4.7	4.83	-0.951	-2.31
chr1	2.24E+08	2.24E+08	DEGS1	0.00025	+	2.24E+08	2.24E+08	0	1	101,	0	-3.6	-3.45	1.86	-0.951	-2.3
chr12	1.21E+08	1.21E+08	CABP1	2.80E-05	+	1.21E+08	1.21E+08	0	1	497,	0	-4.55	-4.34	4.2	-0.946	-2.3
chr13	24302776	24302927	SPATA13	6.30E-05	+	24302776	24302927	0	1	151,	0	-4.2	-3.13	3	-0.946	-2.3
chr17	30957922	30958872	ADAP2	2.00E-06	+	30957922	30958872	0	1	950,	0	-5.7	-4.47	6.5	-0.951	-2.3
chr2	87584309	87584460	CYTOR	5.20E-07	+	87584309	87584460	0	1	151,	0	-6.28	-4.97	2.6	-0.95	-2.3
chr9	1.37E+08	1.37E+08	TRAF2	6.90E-09	+	1.37E+08	1.37E+08	0	1	446,	0	-8.16	-7.61	6.08	-0.938	-2.29
chr17	2056725	2057024	HIC1	5.80E-07	+	2056725	2057024	0	1	299,	0	-6.24	-4.94	5.29	-0.937	-2.29
chr3	1.72E+08	1.72E+08	PLD1	0.00076	-	1.72E+08	1.72E+08	0	1	200,	0	-3.12	-2.14	4.25	-0.928	-2.27
chr7	1.08E+08	1.08E+08	LAMB1	9.30E-05	-	1.08E+08	1.08E+08	0	1	200,	0	-4.03	-3.86	1.52	-0.928	-2.27
chr5	71509930	71511081	BDP1	1.70E-10	+	71509930	71511081	0	1	1151,	0	-9.76	-8.94	2.65	-0.927	-2.27
chr1	64691364	64692261	CACHD1	4.10E-09	+	64691364	64692261	0	1	897,	0	-8.39	-7.81	8.8	-0.928	-2.27
chr12	95209226	95209576	FGD6	3.20E-09	-	95209226	95209576	0	1	350,	0	-8.49	-7.9	5.3	-0.926	-2.27
chr11	60936311	60937159	TMEM132,	3.10E-09	+	60936311	60937159	0	1	848,	0	-8.51	-7.91	7.17	-0.922	-2.26
chr8	25413163	25413314	DOCK5	7.60E-05	+	25413163	25413314	0	1	151,	0	-4.12	-3.06	2.17	-0.922	-2.26
chr14	60648862	60649063	SIX1	5.40E-08	-	60648862	60649063	0	1	201,	0	-7.27	-6.83	1.35	-0.911	-2.25
chr7	5065361	5065859	RBAK	1.00E-06	+	5065361	5065859	0	1	498,	0	-5.98	-5.67	4.47	-0.911	-2.25



chr10	43644005	43644249	ZNF32	3.50E-06	-	43644005	43644249	0	1	244,	0	-5.45	-5.19	1.78	-0.911	-2.25
chr16	15586853	15587249	BMERB1	6.30E-06	+	15586853	15587249	0	1	396,	0	-5.2	-4.96	3.1	-0.909	-2.24
chr17	2058615	2058914	HIC1	5.80E-07	+	2058615	2058914	0	1	299,	0	-6.24	-4.94	5	-0.909	-2.24
chr12	1.33E+08	1.33E+08	ZNF140	2.60E-08	+	1.33E+08	1.33E+08	0	1	548,	0	-7.58	-7.1	4	-0.907	-2.24
chr19	16652500	16652949	SMIM7	1.30E-05	-	16652500	16652949	0	1	449,	0	-4.87	-4.65	7.4	-0.909	-2.24
chr1	2.04E+08	2.04E+08	ZBED6	0.00063	+	2.04E+08	2.04E+08	0	1	200,	0	-3.2	-3.06	1.75	-0.909	-2.24
chrX	53085741	53086291	TSPYL2	4.00E-12	+	53085741	53086291	0	1	550,	0	-11.4	-10.2	2.62	-0.901	-2.23
chr3	69048279	69048629	AC109587	5.40E-08	+	69048279	69048629	0	1	350,	0	-7.27	-6.83	5.17	-0.902	-2.23
chr1	12282956	12283256	VPS13D	1.30E-05	+	12282956	12283256	0	1	300,	0	-4.87	-4.65	2.92	-0.894	-2.22
chr1	52897056	52897356	ECHDC2	4.20E-07	-	52897056	52897356	0	1	300,	0	-6.38	-5.06	3.83	-0.896	-2.22
chr1	1.74E+08	1.74E+08	RC3H1	3.00E-05	-	1.74E+08	1.74E+08	0	2	128,23,	0,2005	-4.53	-4.33	1.65	-0.893	-2.22
chr10	50343592	50344340	SGMS1	5.60E-10	-	50343592	50344340	0	1	748,	0	-9.25	-8.53	8.5	-0.897	-2.22
chr6	18465042	18465143	RNF144B	7.10E-05	+	18465042	18465143	0	1	101,	0	-4.15	-3.08	2.25	-0.887	-2.21
chr19	46411224	46413365	CCDC8	1.20E-07	-	46411224	46413365	0	1	2141,	0	-6.92	-6.52	6.48	-0.887	-2.21
chr17	40279252	40279502	WIPF2	5.00E-07	+	40279252	40279502	0	1	250,	0	-6.3	-5.96	2	-0.887	-2.21
chr10	96984522	96985621	LCOR	1.00E-12	+	96984522	96985621	0	1	1099,	0	-12	-10.7	9.77	-0.89	-2.21
chr15	25115383	25115534	SNHG14	2.60E-08	+	25115383	25115534	0	1	151,	0	-7.59	-7.11	1.67	-0.888	-2.21
chr12	49389763	49390112	AC125611	5.90E-07	+	49389763	49390112	0	1	349,	0	-6.23	-5.9	7	-0.887	-2.21
chr19	49838687	49839628	PTOV1-AS	1.30E-09	-	49838687	49839628	0	1	941,	0	-8.89	-8.23	9.44	-0.888	-2.21
chr19	46775429	46775678	SLC1A5	1.10E-09	-	46775429	46775678	0	1	249,	0	-8.97	-8.3	2.54	-0.881	-2.2
chr1	1.1E+08	1.1E+08	KCNC4	0.00014	+	1.1E+08	1.1E+08	0	1	101,	0	-3.84	-2.8	1.83	-0.881	-2.2
chr10	13630276	13632618	AL157392	1.20E-06	+	13630276	13632618	0	2	189,59,	0,2283	-5.91	-5.61	5.83	-0.884	-2.2
chr18	80137159	80137409	ADNP2	9.80E-08	+	80137159	80137409	0	1	250,	0	-7.01	-6.6	2.67	-0.877	-2.19
chr10	24619796	24620145	ARHGAP2	1.70E-08	-	24619796	24620145	0	1	349,	0	-7.76	-7.26	3.88	-0.878	-2.19
chr19	23358463	23359311	ZNF91	5.40E-10	-	23358463	23359311	0	1	848,	0	-9.27	-8.55	4.9	-0.873	-2.19
chr16	31915561	31915662	ZNF267	5.90E-10	+	31915561	31915662	0	1	101,	0	-9.23	-8.51	3.17	-0.878	-2.19
chr19	36718952	36720594	ZNF567	2.00E-11	+	36718952	36720594	0	1	1642,	0	-10.7	-9.69	7.38	-0.878	-2.19
chr8	1.15E+08	1.15E+08	TRPS1	4.50E-08	-	1.15E+08	1.15E+08	0	1	949,	0	-7.35	-6.9	6.7	-0.866	-2.18
chr12	45924863	45927129	SCAF11	6.80E-10	-	45924863	45927129	0	2	211,988,	0,1278	-9.17	-8.47	5.63	-0.859	-2.17
chr4	1.25E+08	1.25E+08	FAT4	0.0014	+	1.25E+08	1.25E+08	0	1	401,	0	-2.84	-2.71	8.67	-0.866	-2.17
chr5	711249	711399	DZHHHC11	1.00E-11	-	711249	711399	0	1	150,	0	-11	-8.89	1.57	-0.864	-2.17
chr8	25411564	25412165	DOCK5	4.80E-07	+	25411564	25412165	0	1	601,	0	-6.32	-5.98	7.75	-0.855	-2.16
chr19	52033472	52033622	ZNF432	3.00E-05	-	52033472	52033622	0	1	150,	0	-4.52	-3.41	3.38	-0.859	-2.16
chr5	51393543	51394137	ISL1	3.50E-08	+	51393543	51394137	0	1	594,	0	-7.46	-7	7.44	-0.839	-2.14
chr7	99901282	99901632	TRIM4	0.00011	-	99901282	99901632	0	1	350,	0	-3.95	-2.9	4.57	-0.838	-2.14
chr8	22102960	22103311	FAM160B2	4.30E-06	+	22102960	22103311	0	1	351,	0	-5.37	-5.12	2.5	-0.843	-2.14
chr2	1.11E+08	1.11E+08	MIR4435-2	2.00E-05	-	1.11E+08	1.11E+08	0	1	200,	0	-4.69	-3.56	4	-0.842	-2.14
chrX	3605510	3605611	PRKX	0.0014	-	3605510	3605611	0	1	101,	0	-2.85	-1.9	2.56	-0.836	-2.14
chr8	1.44E+08	1.44E+08	EPPK1	2.20E-06	-	1.44E+08	1.44E+08	0	1	151,	0	-5.65	-4.42	5.5	-0.838	-2.14
chr6	1.11E+08	1.11E+08	REV3L	1.20E-08	-	1.11E+08	1.11E+08	0	2	437,662,	0,5004	-7.92	-7.4	5.67	-0.836	-2.13
chr2	71426487	71428552	ZNF638	1.40E-10	+	71426487	71428552	0	2	927,22,	0,2043	-9.85	-9.01	3.19	-0.835	-2.13
chr7	1.17E+08	1.17E+08	MET	0.0039	+	1.17E+08	1.17E+08	0	1	151,	0	-2.41	-1.49	3.5	-0.835	-2.13
chr11	1.19E+08	1.19E+08	KMT2A	3.50E-10	+	1.19E+08	1.19E+08	0	1	301,	0	-9.46	-8.69	4.25	-0.835	-2.13
chr4	1.47E+08	1.47E+08	SLC10A7	0.00014	-	1.47E+08	1.47E+08	0	1	151,	0	-3.84	-2.8	2	-0.835	-2.13
chr19	43598869	43599566	ZNF576	4.00E-12	+	43598869	43599566	0	1	697,	0	-11.4	-10.3	12.3	-0.836	-2.13
chr14	58138360	58138461	ARMH4	0.00017	-	58138360	58138461	0	1	101,	0	-3.78	-2.75	2.75	-0.835	-2.13
chr3	69047464	69047863	TMF1	5.90E-08	-	69047464	69047863	0	1	399,	0	-7.23	-6.79	6.17	-0.836	-2.13
chr19	53457017	53457714	ZNF761	9.10E-06	+	53457017	53457714	0	1	697,	0	-5.04	-4.81	8.8	-0.836	-2.13
chr17	75706814	75707064	SAP30BP	1.00E-06	+	75706814	75707064	0	1	250,	0	-6	-5.69	3.2	-0.835	-2.13
chr9	86946407	86946508	GAS1	1.00E-05	-	86946407	86946508	0	1	101,	0	-4.99	-3.84	2.75	-0.836	-2.13
chr7	1.44E+08	1.44E+08	TCAF1	4.50E-10	-	1.44E+08	1.44E+08	0	1	100,	0	-9.35	-8.61	3.73	-0.836	-2.13

chr12	89522806	89525186	POC1B-G/	6.30E-13	-	89522806	89525186	0	2	1634,67,	0,2313		-12.2	-10.8	9	-0.835	-2.13
chr11	95067892	95068490	SRSF8	9.10E-06	+	95067892	95068490	0	1	598,		0	-5.04	-4.81	5.7	-0.835	-2.13
chr1	85495147	85495345	AC092807	2.00E-06	-	85495147	85495345	0	1	198,		0	-5.69	-4.46	2.5	-0.836	-2.13
chr5	80437580	80438380	ZFYVE16	1.50E-09	+	80437580	80438380	0	1	800,		0	-8.83	-8.18	5.05	-0.831	-2.12
chr10	38117565	38119364	ZNF37A	6.60E-09	+	38117565	38119364	0	1	1799,		0	-8.18	-7.63	9.75	-0.834	-2.12
chr9	99218106	99221041	ALG2	3.50E-09	-	99218106	99221041	0	2	730,63,	0,2872		-8.46	-7.87	4.4	-0.832	-2.12
chr1	1.6E+08	1.6E+08	PIGM	6.00E-10	-	1.6E+08	1.6E+08	0	1	151,		0	-9.22	-7.46	3.78	-0.832	-2.12
chr19	571376	571477	BSG	3.60E-06	+	571376	571477	0	1	101,		0	-5.44	-4.23	2.17	-0.83	-2.12
chr18	14074509	14074960	ZNF519	1.60E-08	-	14074509	14074960	0	1	451,		0	-7.8	-6.27	4	-0.831	-2.12
chr19	41302912	41305769	HNRNPUL	5.40E-07	+	41302912	41305769	0	3	37,290,124,	0,1059,2733		-6.27	-5.94	1.94	-0.828	-2.11
chr2	69519019	69520913	AAK1	1.90E-08	-	69519019	69520913	0	2	221,80,	0,1814		-7.71	-7.21	1.67	-0.828	-2.11
chr17	44557654	44558244	FZD2	0.0023	+	44557654	44558244	0	1	590,		0	-2.64	-2.52	3.62	-0.828	-2.11
chr15	55544366	55545313	PYGO1	3.20E-11	-	55544366	55545313	0	1	947,		0	-10.5	-9.55	4.83	-0.814	-2.1
chr5	73911332	73911583	ARHGFE28	5.80E-05	+	73911332	73911583	0	1	251,		0	-4.24	-3.16	2.86	-0.817	-2.1
chr9	38567308	38567809	SNX18P3	0.0011	-	38567308	38567809	0	1	501,		0	-2.95	-1.99	5.4	-0.818	-2.1
chr19	14052217	14053018	IL27RA	1.10E-10	+	14052217	14053018	0	1	801,		0	-9.96	-9.1	7.71	-0.811	-2.09
chr7	66359039	66359952	TPST1	3.10E-07	+	66359039	66359952	0	2	434,58,	0,855		-6.51	-6.16	9.5	-0.806	-2.09
chr12	95209775	95210126	FGD6	3.20E-09	-	95209775	95210126	0	1	351,		0	-8.49	-7.9	7.25	-0.811	-2.09
chr14	74781367	74797921	YLP1	2.00E-12	+	74781367	74797921	0	2	958,342,	0,16212		-11.7	-10.5	4.08	-0.803	-2.08
chr12	1.22E+08	1.22E+08	TMEM120I	2.90E-07	+	1.22E+08	1.22E+08	0	1	101,		0	-6.54	-5.2	1.56	-0.805	-2.08
chr16	72788352	72788901	AC004943	3.20E-13	+	72788352	72788901	0	1	549,		0	-12.5	-11.1	9.86	-0.803	-2.08
chr8	49912025	49912226	SNTG1	7.40E-07	+	49912025	49912226	0	1	201,		0	-6.13	-4.84	3	-0.8	-2.07
chr19	57506413	57506514	ZNF773	5.60E-07	+	57506413	57506514	0	1	101,		0	-6.25	-4.95	1.7	-0.799	-2.07
chr2	24825753	24826139	AC012073	4.00E-06	+	24825753	24826139	0	1	386,		0	-5.4	-5.14	2.75	-0.8	-2.07
chr6	1.09E+08	1.09E+08	ABTB24	1.60E-09	-	1.09E+08	1.09E+08	0	1	647,		0	-8.79	-8.15	9	-0.792	-2.06
chr20	5995281	5995432	MCM8	5.50E-09	+	5995281	5995432	0	1	151,		0	-8.26	-7.7	3.39	-0.794	-2.06
chr1	1.52E+08	1.52E+08	FLG	0.002	-	1.52E+08	1.52E+08	0	1	101,		0	-2.7	-1.76	2	-0.792	-2.06
chr2	96761799	96762398	CNNM4	3.30E-09	+	96761799	96762398	0	1	599,		0	-8.48	-7.88	7.8	-0.792	-2.06
chr1	1439753	1440449	VWA1	1.50E-08	+	1439753	1440449	0	1	696,		0	-7.82	-7.31	3.35	-0.794	-2.06
chr5	21473743	21473943	GUSBP1	1.10E-05	+	21473743	21473943	0	1	200,		0	-4.95	-4.73	2.67	-0.791	-2.06
chr1	1.51E+08	1.51E+08	ZNF687	1.90E-08	+	1.51E+08	1.51E+08	0	1	1345,		0	-7.72	-7.22	7.39	-0.783	-2.05
chr6	1.46E+08	1.46E+08	SHPRH	2.00E-04	-	1.46E+08	1.46E+08	0	1	101,		0	-3.69	-2.67	1.6	-0.787	-2.05
chr8	49911475	49911576	SNTG1	7.40E-07	+	49911475	49911576	0	1	101,		0	-6.13	-4.84	2.6	-0.789	-2.05
chr22	29441410	29470442	RFPL1S	2.60E-06	-	29441410	29470442	0	2	719,178,	0,28854		-5.59	-4.36	8	-0.784	-2.05
chr17	17796979	17798373	RAI1	3.90E-07	+	17796979	17798373	0	1	1394,		0	-6.41	-6.06	7.67	-0.779	-2.04
chr1	1.54E+08	1.54E+08	ATP8B2	2.00E-12	+	1.54E+08	1.54E+08	0	1	549,		0	-11.7	-10.4	5.84	-0.78	-2.04
chr3	1.96E+08	1.97E+08	RNF168	3.10E-09	-	1.96E+08	1.97E+08	0	3	177,77,696,	0,1205,15471		-8.51	-7.91	5.5	-0.78	-2.04
chr5	1.79E+08	1.79E+08	ZNF354A	7.90E-06	-	1.79E+08	1.79E+08	0	1	100,		0	-5.1	-4.86	3	-0.78	-2.04
chr3	4313182	4313430	SETMAR	4.20E-05	+	4313182	4313430	0	1	248,		0	-4.38	-3.3	2.25	-0.783	-2.04
chrX	1.03E+08	1.03E+08	TCEAL9	6.30E-12	+	1.03E+08	1.03E+08	0	1	247,		0	-11.2	-10.1	4	-0.783	-2.04
chr20	25675112	25676161	ZNF337-A	4.10E-07	+	25675112	25676161	0	1	1049,		0	-6.39	-6.05	8.6	-0.78	-2.04
chr19	52034768	52034919	ZNF432	3.00E-05	-	52034768	52034919	0	1	151,		0	-4.52	-3.41	1.86	-0.779	-2.04
chr15	66490184	66490382	AC116913	2.80E-06	-	66490184	66490382	0	1	198,		0	-5.55	-4.33	1.75	-0.78	-2.04
chr19	36749758	36750109	ZNF850	7.90E-08	-	36749758	36750109	0	1	351,		0	-7.1	-5.69	4.33	-0.78	-2.04
chr6	1.37E+08	1.37E+08	IFNGR1	0.00021	-	1.37E+08	1.37E+08	0	1	448,		0	-3.67	-2.64	2.5	-0.776	-2.03
chr8	1.16E+08	1.16E+08	TRPS1	2.20E-09	-	1.16E+08	1.16E+08	0	2	745,802,	0,14874		-8.66	-8.04	10.3	-0.775	-2.03
chr10	96057239	96058572	CCNJ	2.80E-10	+	96057239	96058572	0	2	8,743,	0,590		-9.56	-8.78	6.88	-0.779	-2.03
chr6	57148062	57150736	ZNF451	6.30E-11	+	57148062	57150736	0	2	631,18,	0,2656		-10.2	-9.3	4.2	-0.776	-2.03
chr1	86351522	86351873	ODF2L	9.80E-10	-	86351522	86351873	0	1	351,		0	-9.01	-8.33	5.14	-0.776	-2.03
chr6	17628900	17629350	NUP153	1.80E-07	-	17628900	17629350	0	1	450,		0	-6.75	-6.37	3.24	-0.778	-2.03
chr3	37326083	37326284	GOLGA4	3.40E-07	+	37326083	37326284	0	1	201,		0	-6.47	-6.12	1.93	-0.776	-2.03

chr1	39388010	39388111	MACF1	2.00E-08	+	39388010	39388111	0	1	101,	0	-7.69	-7.19	1.5	-0.773	-2.02
chr21	31671329	31672322	SCAF4	2.00E-11	-	31671329	31672322	0	1	993,	0	-10.7	-9.71	7.11	-0.77	-2.02
chr8	61606982	61607233	ASPH	0.00032	-	61606982	61607233	0	1	251,	0	-3.49	-3.33	3.53	-0.773	-2.02
chr8	1.06E+08	1.06E+08	AC027031	3.40E-08	+	1.06E+08	1.06E+08	0	1	785,	0	-7.47	-7.01	8.91	-0.773	-2.02
chr8	1.44E+08	1.44E+08	EPPK1	8.30E-06	-	1.44E+08	1.44E+08	0	1	101,	0	-5.08	-3.91	2.12	-0.77	-2.02
chr6	16146711	16146812	MYLIP	0.00014	+	16146711	16146812	0	1	101,	0	-3.86	-2.82	4.29	-0.766	-2.01
chr1	2.04E+08	2.04E+08	ZC3H11A	6.30E-11	+	2.04E+08	2.04E+08	0	1	701,	0	-10.2	-9.3	4.94	-0.764	-2.01
chr10	97677570	97679704	AVPI1	1.40E-09	-	97677570	97679704	0	2	455,86,	0,2048	-8.86	-8.21	7.14	-0.766	-2.01
chr13	23339303	23339703	SACS	0.00047	-	23339303	23339703	0	1	400,	0	-3.33	-3.19	3.89	-0.764	-2.01
chr15	66490283	66490382	SNAPC5	0.00083	-	66490283	66490382	0	1	99,	0	-3.08	-2.11	1.75	-0.766	-2.01
chr12	57516780	57517168	DDIT3	5.40E-07	-	57516780	57517168	0	1	388,	0	-6.27	-5.94	3.38	-0.766	-2.01
chr22	29307676	29308274	GAS2L1	0.00047	+	29307676	29308274	0	1	598,	0	-3.33	-3.18	5.57	-0.768	-2.01
chr9	1.34E+08	1.34E+08	RXRA	6.20E-07	+	1.34E+08	1.34E+08	0	1	200,	0	-6.21	-5.88	3.25	-0.766	-2.01
chr6	1.61E+08	1.61E+08	MAP3K4	7.90E-11	+	1.61E+08	1.61E+08	0	2	1295,1,	0,18514	-10.1	-9.24	10.9	-0.761	-2
chr18	46679661	46679762	ST8SIA5	0.00047	-	46679661	46679762	0	1	101,	0	-3.33	-2.34	2.75	-0.758	-2
chr17	20238319	20238619	SPECC1	0.00093	+	20238319	20238619	0	1	300,	0	-3.03	-2.89	7.83	-0.76	-2
chr19	52324723	52325073	ZNF480	0.0039	+	52324723	52325073	0	1	350,	0	-2.41	-2.29	8	-0.764	-2
chr6	1.6E+08	1.6E+08	SOD2	8.70E-06	-	1.6E+08	1.6E+08	0	2	82,18,	0,12442	-5.06	-3.89	2.11	-0.758	-2
chr22	41177028	41179128	EP300	6.30E-13	+	41177028	41179128	0	1	2100,	0	-12.2	-10.8	8.92	-0.755	-1.99
chr15	25370578	25371575	UBE3A	2.50E-11	-	25370578	25371575	0	1	997,	0	-10.6	-9.61	7.05	-0.757	-1.99
chr1	2.13E+08	2.13E+08	NSL1	2.50E-06	-	2.13E+08	2.13E+08	0	1	550,	0	-5.61	-5.33	7.62	-0.753	-1.99
chr5	1.41E+08	1.41E+08	WDR55	9.50E-05	+	1.41E+08	1.41E+08	0	1	151,	0	-4.02	-3.85	2.43	-0.754	-1.99
chr13	1.11E+08	1.11E+08	ING1	7.90E-16	+	1.11E+08	1.11E+08	0	1	800,	0	-15.1	-13.1	10.8	-0.753	-1.99
chr17	39764852	39764952	IKZF3	9.50E-05	-	39764852	39764952	0	1	100,	0	-4.02	-2.96	3	-0.755	-1.99
chr3	1.83E+08	1.83E+08	LAMP3	6.30E-06	-	1.83E+08	1.83E+08	0	1	399,	0	-5.2	-4.02	4	-0.748	-1.98
chr17	48604613	48604912	HOXB3	1.00E-06	-	48604613	48604912	0	1	299,	0	-5.98	-5.67	4.71	-0.751	-1.98
chr6	3738088	3738884	PXDC1	1.00E-06	-	3738088	3738884	0	2	60,89,	0,707	-5.99	-4.72	1.5	-0.748	-1.98
chr14	45135979	45137107	FANCM	1.80E-07	+	45135979	45137107	0	2	560,39,	0,1089	-6.74	-6.36	7.5	-0.748	-1.98
chr4	1.25E+08	1.25E+08	FAT4	0.00052	+	1.25E+08	1.25E+08	0	1	451,	0	-3.28	-2.29	4.25	-0.748	-1.98
chr19	39473975	39474337	SUPT5H	2.20E-07	+	39473975	39474337	0	2	146,104,	0,258	-6.65	-6.28	1.68	-0.751	-1.98
chr3	53292235	53292385	DCP1A	7.90E-07	-	53292235	53292385	0	1	150,	0	-6.1	-5.79	2.08	-0.748	-1.98
chr21	10328510	10336959	AP003900	1.00E-10	-	10328510	10336959	0	2	528,71,	0,8378	-9.99	-9.12	10	-0.752	-1.98
chr11	1.18E+08	1.18E+08	AP001267	3.00E-09	+	1.18E+08	1.18E+08	0	1	101,	0	-8.53	-7.93	1.84	-0.748	-1.98
chr20	32436523	32437273	ASXL1	2.50E-12	+	32436523	32437273	0	1	750,	0	-11.6	-10.4	6.03	-0.744	-1.97
chr20	36049927	36050919	NORAD	5.00E-15	-	36049927	36050919	0	1	992,	0	-14.3	-12.5	5.75	-0.742	-1.97
chr4	1.87E+08	1.87E+08	FAT1	0.00027	-	1.87E+08	1.87E+08	0	1	400,	0	-3.57	-3.41	4.29	-0.737	-1.96
chr6	349409	349610	DTSP22	4.30E-06	+	349409	349610	0	1	201,	0	-5.37	-5.11	1.45	-0.736	-1.96
chr9	5467843	5468191	CD274	6.00E-06	+	5467843	5468191	0	1	348,	0	-5.22	-4.98	8.62	-0.74	-1.96
chr3	20174398	20175048	SGO1	5.90E-06	-	20174398	20175048	0	1	650,	0	-5.23	-4.99	6.17	-0.736	-1.96
chr16	53825945	53826446	FTO	5.90E-08	+	53825945	53826446	0	1	501,	0	-7.23	-6.8	5.87	-0.736	-1.96
chr8	1.23E+08	1.23E+08	ZHX1	4.60E-09	-	1.23E+08	1.23E+08	0	1	151,	0	-8.34	-7.76	2.64	-0.736	-1.96
chr16	66510740	66511139	TK2	3.90E-05	-	66510740	66511139	0	1	399,	0	-4.41	-4.21	6.25	-0.738	-1.96
chr16	31061089	31061337	ZNF668	8.90E-06	-	31061089	31061337	0	1	248,	0	-5.05	-4.81	1.86	-0.736	-1.96
chr1	2.04E+08	2.04E+08	ZBED6	1.60E-10	+	2.04E+08	2.04E+08	0	1	700,	0	-9.79	-8.96	4.43	-0.736	-1.96
chr7	75042373	75042823	RCC1L	5.50E-08	-	75042373	75042823	0	1	450,	0	-7.26	-6.82	2.42	-0.738	-1.96
chr3	38413285	38413485	XYLB	0.00021	+	38413285	38413485	0	1	200,	0	-3.67	-3.52	5.2	-0.735	-1.95
chr7	1.57E+08	1.57E+08	NOM1	3.40E-07	+	1.57E+08	1.57E+08	0	1	251,	0	-6.47	-6.12	7.7	-0.736	-1.95
chr4	1.84E+08	1.84E+08	STOX2	2.20E-05	+	1.84E+08	1.84E+08	0	2	284,16,	0,53586	-4.66	-4.45	5.5	-0.732	-1.95
chr3	47123926	47124227	SETD2	2.60E-06	-	47123926	47124227	0	1	301,	0	-5.59	-5.31	2.41	-0.736	-1.95
chr4	441552	442301	ZNF721	0.00018	-	441552	442301	0	1	749,	0	-3.75	-3.59	4.67	-0.729	-1.95
chr12	1E+08	1E+08	UHRF1BP1	2.20E-09	-	1E+08	1E+08	0	1	451,	0	-8.65	-8.03	3.63	-0.724	-1.94

chr6	1.44E+08	1.44E+08	PHACTR2	5.10E-05	+	1.44E+08	1.44E+08	0	1	101,	0	-4.29	-4.1	2.38	-0.727	-1.94
chr4	1.23E+08	1.23E+08	SPRY1	1.60E-10	+	1.23E+08	1.23E+08	0	1	1041,	0	-9.79	-8.96	3.69	-0.724	-1.94
chr19	681453	681603	FSTL3	2.00E-04	+	681453	681603	0	1	150,	0	-3.7	-3.54	2.04	-0.723	-1.93
chr6	70486207	70502699	FAM135A	3.80E-09	+	70486207	70502699	0	3	37,50,64,	0,4826,16428	-8.42	-7.83	2.17	-0.722	-1.93
chr22	26490117	26490792	SRRD	5.00E-06	+	26490117	26490792	0	2	81,20,	0,655	-5.3	-5.05	2.68	-0.722	-1.93
chr5	1.76E+08	1.76E+08	KIAA1191	5.50E-05	-	1.76E+08	1.76E+08	0	2	164,35,	0,276	-4.26	-4.07	1.7	-0.722	-1.93
chr20	25675175	25676167	ZNF337	7.90E-08	-	25675175	25676167	0	1	992,	0	-7.1	-6.68	9.73	-0.723	-1.93
chr4	48488642	48488889	SLC10A4	4.70E-05	+	48488642	48488889	0	1	247,	0	-4.33	-3.24	3.17	-0.723	-1.93
chr1	1.61E+08	1.61E+08	NIT1	1.80E-05	+	1.61E+08	1.61E+08	0	1	300,	0	-4.74	-4.53	1.84	-0.723	-1.93
chr3	1.84E+08	1.84E+08	YEATS2	1.50E-07	+	1.84E+08	1.84E+08	0	1	400,	0	-6.82	-6.43	3.16	-0.722	-1.93
chr5	1.79E+08	1.79E+08	ZNF354B	1.70E-08	+	1.79E+08	1.79E+08	0	1	799,	0	-7.78	-7.28	5.78	-0.721	-1.93
chr18	244818	245068	THOC1	1.20E-07	-	244818	245068	0	1	250,	0	-6.91	-5.52	3.75	-0.712	-1.92
chr17	82243231	82243382	CSNK1D	5.20E-05	-	82243231	82243382	0	1	151,	0	-4.28	-3.2	3.43	-0.719	-1.92
chr12	1.13E+08	1.13E+08	PLBD2	0.0015	+	1.13E+08	1.13E+08	0	1	100,	0	-2.81	-2.68	2.27	-0.719	-1.92
chr19	42232123	42232569	GSK3A	8.90E-07	-	42232123	42232569	0	2	26,74,	0,372	-6.05	-5.74	1.37	-0.705	-1.91
chr18	79971259	79971459	TXNL4A	3.10E-05	-	79971259	79971459	0	1	200,	0	-4.51	-3.41	3.33	-0.707	-1.91
chr1	89592836	89593136	LRRRC8B	1.30E-09	+	89592836	89593136	0	1	300,	0	-8.88	-8.22	10	-0.709	-1.91
chr19	56422954	56423701	ZNF583	5.00E-08	+	56422954	56423701	0	1	747,	0	-7.3	-5.85	5	-0.705	-1.91
chr6	75253864	75254261	ZNF30A	2.50E-08	-	75253864	75254261	0	1	397,	0	-7.6	-7.12	4.77	-0.703	-1.9
chr5	1.41E+08	1.41E+08	WDR55	9.50E-05	+	1.41E+08	1.41E+08	0	1	150,	0	-4.02	-2.97	2.12	-0.699	-1.9
chr7	91873385	91876946	MTERF1	3.50E-10	-	91873385	91876946	0	2	1379,69,	0,3492	-9.45	-8.69	8	-0.703	-1.9
chr21	34517718	34521169	RCAN1	1.00E-11	-	34517718	34521169	0	2	538,110,	0,3341	-11	-9.9	8	-0.702	-1.9
chr10	96956335	96956486	LCOR	2.20E-08	+	96956335	96956486	0	1	151,	0	-7.65	-6.15	2.5	-0.704	-1.9
chr16	69335184	69335279	ACO26464	0.00032	-	69335184	69335279	0	1	95,	0	-3.5	-3.35	2.59	-0.699	-1.9
chr20	63699787	63700038	ADFRP1	6.50E-05	-	63699787	63700038	0	1	251,	0	-4.19	-4.01	3.21	-0.695	-1.89
chr15	43405432	43405582	TUBGCP4	0.00018	+	43405432	43405582	0	1	150,	0	-3.75	-3.59	3.21	-0.695	-1.89
chr14	32545701	32545852	AKAP6	0.00039	+	32545701	32545852	0	1	151,	0	-3.41	-2.41	2.4	-0.698	-1.89
chr3	84960207	84960358	CADM2	1.00E-07	+	84960207	84960358	0	1	151,	0	-7	-6.59	3.38	-0.694	-1.89
chr2	17783703	17784303	GEN1	2.00E-06	+	17783703	17784303	0	1	600,	0	-5.69	-5.41	13.3	-0.696	-1.89
chr14	74921750	74922354	RPS6KL1	9.10E-06	-	74921750	74922354	0	2	23,377,	0,227	-5.04	-4.8	4.67	-0.698	-1.89
chr6	57147939	57150529	ZNF451-A	3.20E-09	-	57147939	57150529	0	2	332,16,	0,2574	-8.5	-7.9	2.9	-0.695	-1.89
chr14	1.03E+08	1.03E+08	AL117209	1.30E-12	+	1.03E+08	1.03E+08	0	1	245,	0	-11.9	-10.6	3.89	-0.695	-1.89
chr1	10639599	10640000	CASZ1	7.90E-06	-	10639599	10640000	0	1	401,	0	-5.1	-4.86	5.25	-0.689	-1.88
chr19	48750106	48750257	FUT1	0.00032	-	48750106	48750257	0	1	151,	0	-3.49	-2.48	2.6	-0.692	-1.88
chr10	21514777	21517027	SKIDA1	2.60E-09	-	21514777	21517027	0	1	2250,	0	-8.59	-7.98	7.57	-0.693	-1.88
chr11	1.19E+08	1.19E+08	BCL9L	1.00E-11	-	1.19E+08	1.19E+08	0	2	240,110,	0,1498	-11	-9.9	2.7	-0.693	-1.88
chr17	17793843	17794043	RAI1	5.00E-06	+	17793843	17794043	0	1	200,	0	-5.3	-5.05	2.64	-0.685	-1.87
chr20	49246406	49246707	ZNFX1	0.00025	-	49246406	49246707	0	1	301,	0	-3.61	-3.45	2.79	-0.687	-1.87
chr19	21098851	21117225	ZNF714	4.90E-09	+	21098851	21117225	0	3	59,22,419,	0,10771,17951	-8.31	-7.74	8.08	-0.686	-1.87
chr16	88715296	88715396	CTU2	0.00046	+	88715296	88715396	0	1	100,	0	-3.34	-2.35	1.75	-0.683	-1.87
chr9	97854885	97855281	FOXE1	1.10E-05	+	97854885	97855281	0	1	396,	0	-4.94	-4.71	9.75	-0.682	-1.87
chr11	1.02E+08	1.02E+08	BIRC3	4.50E-05	+	1.02E+08	1.02E+08	0	1	101,	0	-4.35	-3.26	1.83	-0.676	-1.86
chr1	92394106	92394407	RPAP2	3.80E-06	+	92394106	92394407	0	1	301,	0	-5.42	-4.21	2	-0.676	-1.86
chr15	78766068	78766417	ADAMTS7	3.40E-06	-	78766068	78766417	0	1	349,	0	-5.47	-5.21	5.33	-0.679	-1.86
chr8	70113067	70113218	NCOA2	1.90E-06	-	70113067	70113218	0	1	151,	0	-5.72	-5.44	5.4	-0.679	-1.86
chr16	28834619	28834877	ATXN2L	6.30E-11	+	28834619	28834877	0	2	74,26,	0,232	-10.2	-9.27	1.22	-0.677	-1.86
chr1	843456	843557	LINC0112E	0.00059	+	843456	843557	0	1	101,	0	-3.23	-2.25	2.5	-0.679	-1.86
chr1	1314036	1314734	INTS11	3.00E-06	-	1314036	1314734	0	1	698,	0	-5.53	-5.26	15.5	-0.675	-1.85
chr15	43361163	43363819	ZSCAN29	3.00E-10	-	43361163	43363819	0	2	778,71,	0,2585	-9.52	-8.74	11.3	-0.671	-1.85
chr8	43199411	43199911	HGSNAT	4.40E-10	+	43199411	43199911	0	1	500,	0	-9.36	-8.61	12.7	-0.676	-1.85
chr12	1.24E+08	1.24E+08	NCOR2	4.00E-12	-	1.24E+08	1.24E+08	0	4	105,589,51,50,8327,10718,		-11.4	-10.2	2.83	-0.676	-1.85

chr11	1.18E+08	1.18E+08	KMT2A	1.90E-08	+	1.18E+08	1.18E+08	0	1	100,	0	-7.72	-7.23	1.61	-0.667	-1.84
chr12	43755093	43758367	PUS7L	1.20E-10	-	43755093	43758367	0	2	168,82,	0,3192	-9.92	-9.07	2.86	-0.666	-1.84
chr13	45336805	45337354	TPT1	1.00E-11	-	45336805	45337354	0	1	549,	0	-11	-9.9	3.6	-0.668	-1.84
chr15	70668667	70671044	UACA	2.00E-11	-	70668667	70671044	0	2	795,6,	0,2371	-10.7	-9.68	4.5	-0.664	-1.84
chr12	89348916	89351031	DUSP6	2.00E-09	-	89348916	89351031	0	2	645,444,	0,1671	-8.69	-8.06	5.81	-0.668	-1.84
chr6	56540408	56540759	DST	3.00E-07	-	56540408	56540759	0	1	351,	0	-6.53	-5.19	4.33	-0.667	-1.84
chr5	1293043	1293843	TERT	1.50E-06	-	1293043	1293843	0	1	800,	0	-5.81	-5.52	4.86	-0.668	-1.84
chr15	85580267	85581068	AKAP13	3.20E-07	+	85580267	85581068	0	1	801,	0	-6.5	-6.15	4.21	-0.664	-1.84
chr16	30443777	30445593	SEPHS2	6.60E-09	-	30443777	30445593	0	1	1816,	0	-8.18	-7.63	5.76	-0.668	-1.84
chr1	2.07E+08	2.07E+08	YOD1	6.30E-12	-	2.07E+08	2.07E+08	0	1	1245,	0	-11.2	-10.1	7.21	-0.667	-1.84
chr21	45468352	45468652	COL18A1	4.80E-05	+	45468352	45468652	0	1	300,	0	-4.32	-4.13	3.29	-0.665	-1.84
chr19	11616785	11618518	XNF627	1.90E-10	+	11616785	11618518	0	1	1733,	0	-9.73	-8.92	9.09	-0.668	-1.84
chr4	4585873	4586074	STX18-AS1	4.70E-07	+	4585873	4586074	0	1	201,	0	-6.33	-6	5.67	-0.668	-1.84
chr17	63704429	63704529	STRADA	1.80E-05	-	63704429	63704529	0	1	100,	0	-4.74	-4.53	1.57	-0.666	-1.84
chr22	39224941	39225091	PDGFB	0.0016	-	39224941	39225091	0	1	150,	0	-2.79	-1.84	2.67	-0.663	-1.83
chr2	1.77E+08	1.77E+08	NFE2L2	1.30E-10	-	1.77E+08	1.77E+08	0	1	1045,	0	-9.9	-9.05	5.87	-0.663	-1.83
chr22	37029473	37029723	MPST	5.90E-10	+	37029473	37029723	0	1	250,	0	-9.23	-8.51	2.91	-0.664	-1.83
chr2	1.11E+08	1.11E+08	MIR4435-2	2.00E-05	-	1.11E+08	1.11E+08	0	1	101,	0	-4.69	-3.56	2.57	-0.663	-1.83
chr7	1.09E+08	1.09E+08	THAP5	1.90E-09	-	1.09E+08	1.09E+08	0	1	1042,	0	-8.73	-8.09	12	-0.663	-1.83
chr1	2.35E+08	2.35E+08	AL160408	6.30E-09	+	2.35E+08	2.35E+08	0	2	531,63,	0,2314	-8.2	-7.65	10.3	-0.664	-1.83
chr18	36199836	36199936	MOCOS	1.10E-07	+	36199836	36199936	0	1	100,	0	-6.95	-5.56	2.5	-0.657	-1.82
chr9	78329161	78329407	PSAT1	6.00E-08	+	78329161	78329407	0	1	246,	0	-7.22	-6.79	2.06	-0.659	-1.82
chr13	72746596	72747046	BORA	2.70E-10	+	72746596	72747046	0	1	450,	0	-9.57	-8.78	5.37	-0.658	-1.82
chr7	91266501	91267099	FZD1	1.00E-12	+	91266501	91267099	0	1	598,	0	-12	-10.7	8	-0.66	-1.82
chr3	1.38E+08	1.38E+08	MRAS	6.30E-05	+	1.38E+08	1.38E+08	0	1	448,	0	-4.2	-4.02	6.6	-0.66	-1.82
chr11	1.24E+08	1.24E+08	ZNF202	1.20E-07	-	1.24E+08	1.24E+08	0	2	990,5,	0,1474	-6.91	-6.52	6	-0.658	-1.82
chr2	1.11E+08	1.11E+08	MIR4435-2	2.00E-05	-	1.11E+08	1.11E+08	0	2	72,79,	0,61805	-4.69	-3.56	9.5	-0.658	-1.82
chr14	74909721	74910120	RPS6KL1	3.20E-06	-	74909721	74910120	0	1	399,	0	-5.49	-5.22	5.14	-0.66	-1.82
chr9	96758700	96760044	ZNF510	1.00E-10	-	96758700	96760044	0	1	1344,	0	-10	-9.13	5.8	-0.656	-1.81
chr10	1.26E+08	1.26E+08	BCCIP	5.00E-08	+	1.26E+08	1.26E+08	0	1	950,	0	-7.3	-6.86	6.17	-0.653	-1.81
chr5	1.46E+08	1.46E+08	TCERG1	6.30E-11	+	1.46E+08	1.46E+08	0	2	85,16,	0,2765	-10.2	-9.31	1.37	-0.655	-1.81
chr2	1.99E+08	1.99E+08	SATB2	0.00019	-	1.99E+08	1.99E+08	0	1	101,	0	-3.73	-2.71	1.67	-0.653	-1.81
chr14	74019398	74022929	BBOF1	1.90E-06	+	74019398	74022929	0	2	136,14,	0,3517	-5.72	-4.48	2.64	-0.653	-1.81
chr20	47642334	47647272	NCOA3	2.10E-08	+	47642334	47647272	0	2	50,200,	0,4738	-7.67	-7.18	3.93	-0.653	-1.81
chr3	15251366	15251517	CAPN7	4.20E-06	+	15251366	15251517	0	1	151,	0	-5.38	-4.19	2	-0.655	-1.81
chr2	1.31E+08	1.31E+08	ARHGEF4	0.00021	+	1.31E+08	1.31E+08	0	1	449,	0	-3.67	-3.51	5.13	-0.655	-1.81
chr4	1.53E+08	1.53E+08	FHDC1	6.30E-06	+	1.53E+08	1.53E+08	0	1	151,	0	-5.2	-4.02	4.6	-0.654	-1.81
chr10	73813298	73813398	CAMK2G	1.20E-05	-	73813298	73813398	0	1	100,	0	-4.93	-3.79	1.62	-0.653	-1.81
chr16	29698201	29698450	QPRT	2.50E-13	+	29698201	29698450	0	1	249,	0	-12.6	-11.1	1.57	-0.652	-1.8
chr8	98942577	98942827	STK3	2.20E-05	-	98942577	98942827	0	1	250,	0	-4.66	-3.54	5.2	-0.649	-1.8
chr22	39045103	39045452	APOBEC3F	7.40E-08	+	39045103	39045452	0	1	349,	0	-7.13	-6.71	4.25	-0.649	-1.8
chr9	1.14E+08	1.14E+08	RGS3	4.00E-13	+	1.14E+08	1.14E+08	0	2	935,465,	0,7840	-12.4	-11	5.71	-0.649	-1.8
chr21	46112358	46112509	COL6A2	0.0013	+	46112358	46112509	0	1	151,	0	-2.88	-2.75	1.94	-0.652	-1.8
chrX	30854540	30855389	TAB3	9.30E-09	-	30854540	30855389	0	1	849,	0	-8.03	-7.5	5.33	-0.652	-1.8
chr21	34887507	34887608	RUNX1	1.00E-04	-	34887507	34887608	0	1	101,	0	-3.99	-2.94	6.25	-0.649	-1.8
chr1	39625422	39626268	HEYL	3.70E-06	-	39625422	39626268	0	1	846,	0	-5.43	-5.17	11.3	-0.651	-1.8
chr1	10639589	10639988	AL139423	3.20E-06	+	10639589	10639988	0	1	399,	0	-5.49	-5.22	4.5	-0.651	-1.8
chr4	5813755	5814255	EVC	2.50E-11	+	5813755	5814255	0	1	500,	0	-10.6	-9.6	8.83	-0.644	-1.79
chr16	67908746	67909197	PSKH1	8.70E-06	+	67908746	67909197	0	1	451,	0	-5.06	-4.82	5.07	-0.643	-1.79
chr1	2184610	2185258	FAAP20	3.90E-08	-	2184610	2185258	0	1	648,	0	-7.41	-6.95	4.5	-0.646	-1.79
chr17	2057222	2057472	HIC1	5.80E-07	+	2057222	2057472	0	1	250,	0	-6.24	-5.91	6.83	-0.648	-1.79

chr1	2.47E+08	2.47E+08	AL390728.	1.00E-07	-	2.47E+08	2.47E+08	0	1	933,	0	-6.98	-6.57	5.75	-0.644	-1.79
chr16	2339249	2340989	ABCA17P	0.00013	+	2339249	2340989	0	2	82,68,	0,1672	-3.88	-2.84	2.6	-0.647	-1.79
chr5	1.41E+08	1.41E+08	PCDHGC3	0.0032	+	1.41E+08	1.41E+08	0	1	598,	0	-2.5	-2.38	8.2	-0.647	-1.79
chr19	55045025	55047445	ACO11476	8.30E-08	-	55045025	55047445	0	2	284,59,	0,2361	-7.08	-6.67	3.18	-0.645	-1.79
chr6	35321522	35321622	DEF6	0.00078	+	35321522	35321622	0	1	100,	0	-3.11	-2.13	2.64	-0.639	-1.78
chr2	1.82E+08	1.82E+08	ITPRID2	1.00E-07	+	1.82E+08	1.82E+08	0	1	550,	0	-6.99	-6.59	4.43	-0.639	-1.78
chr17	82243680	82244230	CSNK1D	4.60E-06	-	82243680	82244230	0	1	550,	0	-5.34	-5.09	2.95	-0.64	-1.78
chr8	38847987	38848087	TACC1	5.50E-05	+	38847987	38848087	0	1	100,	0	-4.26	-4.08	2.5	-0.639	-1.78
chr1	58681928	58682527	MYSM1	3.50E-10	-	58681928	58682527	0	1	599,	0	-9.46	-8.69	6.86	-0.641	-1.78
chr19	36747758	36748559	ZNF850	7.90E-08	-	36747758	36748559	0	1	801,	0	-7.1	-6.68	5.33	-0.639	-1.78
chr6	1.11E+08	1.11E+08	REV3L	4.50E-06	-	1.11E+08	1.11E+08	0	1	649,	0	-5.35	-5.09	4.4	-0.639	-1.77
chr20	2483513	2484512	ZNF343	3.20E-09	-	2483513	2484512	0	1	999,	0	-8.5	-7.9	6.12	-0.637	-1.77
chr22	40264979	40266679	TNRC6B	1.60E-13	+	40264979	40266679	0	1	1700,	0	-12.8	-11.3	9.36	-0.637	-1.77
chr1	78650423	78650623	IFI44	5.20E-05	+	78650423	78650623	0	1	200,	0	-4.28	-3.2	4.5	-0.638	-1.77
chr13	23338854	23339155	SACS	0.00034	-	23338854	23339155	0	1	301,	0	-3.47	-3.32	3.89	-0.632	-1.77
chr6	56555422	56555773	DST	2.20E-06	-	56555422	56555773	0	1	351,	0	-5.66	-5.38	10.2	-0.636	-1.77
chr4	1.19E+08	1.19E+08	SYNPO2	2.60E-06	+	1.19E+08	1.19E+08	0	1	251,	0	-5.59	-4.37	2.29	-0.639	-1.77
chr4	80203381	80203681	PRDM8	5.00E-08	+	80203381	80203681	0	1	300,	0	-7.3	-6.86	5.25	-0.629	-1.76
chr3	1.85E+08	1.85E+08	TMEM41A	2.50E-07	-	1.85E+08	1.85E+08	0	1	250,	0	-6.6	-6.23	4	-0.629	-1.76
chr3	9829128	9835302	ARPC4-TT	4.20E-08	+	9829128	9835302	0	2	267,622,	0,5552	-7.38	-6.93	4.42	-0.626	-1.76
chr20	32316224	32316531	KIF3B	3.00E-08	+	32316224	32316531	0	2	95,5,	0,302	-7.52	-7.05	1.32	-0.621	-1.75
chr5	1.55E+08	1.55E+08	LARP1	3.80E-09	+	1.55E+08	1.55E+08	0	1	800,	0	-8.42	-7.84	3.26	-0.622	-1.75
chr5	1.8E+08	1.8E+08	MAML1	8.50E-09	+	1.8E+08	1.8E+08	0	1	1294,	0	-8.07	-7.53	6.73	-0.622	-1.75
chr10	21515212	21515954	SKIDA1	3.30E-07	-	21515212	21515954	0	1	742,	0	-6.48	-6.13	6.45	-0.623	-1.75
chr19	21183818	21184019	ZNF431	1.70E-07	+	21183818	21184019	0	1	201,	0	-6.78	-6.4	4.88	-0.623	-1.75
chr16	71648947	71649997	PHLPP2	3.30E-07	-	71648947	71649997	0	1	1050,	0	-6.48	-6.13	7.75	-0.613	-1.74
chr10	1.26E+08	1.26E+08	DHX32	4.80E-06	-	1.26E+08	1.26E+08	0	2	82,19,	0,10440	-5.32	-5.07	2.67	-0.616	-1.74
chr1	33146889	33146989	TRIM62	0.0013	-	33146889	33146989	0	1	100,	0	-2.9	-1.94	1.5	-0.618	-1.74
chr6	7231253	7240482	RREB1	3.20E-12	+	7231253	7240482	0	2	654,45,	0,9184	-11.5	-10.3	5	-0.616	-1.74
chr4	1.7E+08	1.7E+08	NEK1	9.10E-07	-	1.7E+08	1.7E+08	0	5	17,51,60,60,	0,149,294,599	-6.04	-5.73	1.95	-0.619	-1.74
chr15	41561803	41562004	TYRO3	2.70E-05	+	41561803	41562004	0	1	201,	0	-4.57	-3.46	3.67	-0.611	-1.73
chr22	20116083	20116381	TRMT2A	4.70E-05	-	20116083	20116381	0	1	298,	0	-4.33	-4.14	5.1	-0.609	-1.73
chr17	75128931	75129974	ARMC7	5.50E-09	+	75128931	75129974	0	1	1043,	0	-8.26	-7.7	10.2	-0.612	-1.73
chr21	26844961	26845260	ADAMTS1	1.60E-05	-	26844961	26845260	0	1	299,	0	-4.8	-4.58	2.82	-0.609	-1.73
chr6	1.39E+08	1.39E+08	CITED2	1.40E-05	-	1.39E+08	1.39E+08	0	1	938,	0	-4.86	-4.64	4.76	-0.61	-1.73
chr14	61279970	61280168	TMEM30B	0.00032	-	61279970	61280168	0	1	198,	0	-3.49	-3.34	3.6	-0.612	-1.73
chr18	5290466	5290616	ZBTB14	7.90E-12	-	5290466	5290616	0	1	150,	0	-11.1	-8.95	2	-0.611	-1.73
chr5	61347371	61347569	AC122718	5.60E-05	+	61347371	61347569	0	1	198,	0	-4.25	-3.17	5.5	-0.612	-1.73
chr15	55359576	55359876	CCPG1	3.00E-08	-	55359576	55359876	0	1	300,	0	-7.52	-7.05	5.75	-0.612	-1.73
chr8	1.44E+08	1.44E+08	EPPK1	2.20E-06	-	1.44E+08	1.44E+08	0	1	101,	0	-5.65	-4.42	1.75	-0.611	-1.73
chr15	65118622	65118722	PDCD7	2.90E-05	-	65118622	65118722	0	1	100,	0	-4.54	-3.44	2.6	-0.606	-1.72
chr19	41432561	41432662	DMAC2	6.20E-06	-	41432561	41432662	0	1	101,	0	-5.21	-4.96	2.62	-0.603	-1.72
chr2	2.19E+08	2.19E+08	TLL4	1.20E-07	+	2.19E+08	2.19E+08	0	1	251,	0	-6.92	-6.52	1.92	-0.605	-1.72
chr9	1.36E+08	1.36E+08	SEC16A	1.90E-05	-	1.36E+08	1.36E+08	0	1	250,	0	-4.71	-3.59	2.55	-0.606	-1.72
chr16	31914514	31914764	ZNF267	5.90E-10	+	31914514	31914764	0	1	250,	0	-9.23	-8.51	2.53	-0.604	-1.72
chr9	1.14E+08	1.14E+08	AL162727.	0.00066	+	1.14E+08	1.14E+08	0	1	151,	0	-3.18	-2.2	3.56	-0.606	-1.72
chr17	15706440	15716802	ACO05324	3.20E-11	+	15706440	15716802	0	3	61,93,744,	0,1714,9618	-10.5	-9.55	8.07	-0.604	-1.72
chr3	47909155	47909306	MAP4	0.00043	-	47909155	47909306	0	1	151,	0	-3.37	-3.22	2	-0.599	-1.71
chr2	47799096	47799946	MSH6	4.00E-11	+	47799096	47799946	0	1	850,	0	-10.4	-9.46	3.14	-0.599	-1.71
chr10	80431988	80432338	PRXL2A	3.90E-10	+	80431988	80432338	0	1	350,	0	-9.41	-8.66	5.45	-0.6	-1.71
chr2	2.19E+08	2.19E+08	DNAJB2	5.80E-06	+	2.19E+08	2.19E+08	0	1	300,	0	-5.24	-4.99	2.94	-0.599	-1.71

chr5	1.42E+08	1.42E+08	PCDH1	1.90E-05	-	1.42E+08	1.42E+08	0	1	249,	0	-4.73	-3.6	3.83	-0.599	-1.71
chr9	1.37E+08	1.37E+08	FBXW5	2.20E-06	-	1.37E+08	1.37E+08	0	1	200,	0	-5.65	-5.37	1.98	-0.599	-1.71
chr19	21117523	21117973	ZNF714	3.20E-10	+	21117523	21117973	0	1	450,	0	-9.49	-8.72	5	-0.6	-1.71
chr3	1.7E+08	1.7E+08	PHC3	4.20E-05	-	1.7E+08	1.7E+08	0	1	400,	0	-4.38	-4.19	4	-0.599	-1.71
chr4	1.38E+08	1.38E+08	PCDH18	5.60E-05	-	1.38E+08	1.38E+08	0	1	150,	0	-4.25	-3.68	5.25	-0.599	-1.71
chr22	40881863	40882063	XPNPEP3	3.30E-07	+	40881863	40882063	0	1	200,	0	-6.48	-6.13	2.36	-0.602	-1.71
chr9	35547539	35548040	RUSC2	4.80E-06	+	35547539	35548040	0	1	501,	0	-5.32	-5.07	4.77	-0.602	-1.71
chr2	2.03E+08	2.03E+08	BMPR2	1.00E-11	+	2.03E+08	2.03E+08	0	2	32,1215,	0,2395	-11	-9.9	7.9	-0.6	-1.71
chr9	1.37E+08	1.37E+08	AJM1	0.00011	+	1.37E+08	1.37E+08	0	1	250,	0	-3.94	-2.89	3.33	-0.599	-1.71
chr11	10854046	10854646	ZBED5	1.60E-11	-	10854046	10854646	0	1	600,	0	-10.8	-9.8	4.62	-0.599	-1.71
chr6	1.14E+08	1.14E+08	MARCKS	2.60E-06	+	1.14E+08	1.14E+08	0	1	100,	0	-5.59	-4.37	3.2	-0.602	-1.71
chr20	52084189	52085188	ZFP64	7.90E-14	-	52084189	52085188	0	1	999,	0	-13.1	-11.6	7.62	-0.595	-1.7
chr4	1.87E+08	1.87E+08	FAT1	2.30E-06	-	1.87E+08	1.87E+08	0	1	699,	0	-5.63	-5.35	2.69	-0.598	-1.7
chr12	69258651	69258952	CPSF6	5.90E-10	+	69258651	69258952	0	1	301,	0	-9.23	-8.51	1.89	-0.599	-1.7
chr1	2.23E+08	2.23E+08	MIA3	3.40E-10	+	2.23E+08	2.23E+08	0	1	748,	0	-9.47	-8.71	6.75	-0.598	-1.7
chr4	1.69E+08	1.69E+08	SH3RF1	3.00E-08	-	1.69E+08	1.69E+08	0	2	390,158,	0,10549	-7.52	-7.05	9	-0.596	-1.7
chr3	1.24E+08	1.24E+08	CCDC14	5.00E-12	-	1.24E+08	1.24E+08	0	1	450,	0	-11.3	-10.2	5.17	-0.599	-1.7
chr3	15046520	15046969	NR2C2	3.40E-05	+	15046520	15046969	0	1	449,	0	-4.47	-4.27	2.53	-0.599	-1.7
chr14	20693574	20699378	AL163636	4.40E-08	+	20693574	20699378	0	2	76,24,	0,5780	-7.36	-5.91	4.33	-0.598	-1.7
chr8	1.44E+08	1.44E+08	EPPK1	4.10E-06	-	1.44E+08	1.44E+08	0	1	101,	0	-5.39	-4.19	4.5	-0.598	-1.7
chr8	41932127	41933328	KAT6A	2.00E-12	-	41932127	41933328	0	1	1201,	0	-11.7	-10.5	10.5	-0.592	-1.69
chr22	50220549	50221347	TUBGCP6	7.60E-07	-	50220549	50221347	0	1	798,	0	-6.12	-5.8	8.1	-0.592	-1.69
chr1	1.85E+08	1.85E+08	FAM129A	7.80E-07	-	1.85E+08	1.85E+08	0	1	200,	0	-6.11	-5.79	1.75	-0.589	-1.69
chr8	1.28E+08	1.28E+08	MYC	1.00E-10	+	1.28E+08	1.28E+08	0	1	649,	0	-10	-9.13	4.63	-0.593	-1.69
chr2	99162611	99162909	LIPT1	1.90E-05	+	99162611	99162909	0	1	298,	0	-4.73	-3.61	5.5	-0.589	-1.69
chr7	1.35E+08	1.35E+08	TMEM140	0.0017	+	1.35E+08	1.35E+08	0	1	296,	0	-2.76	-2.64	2.75	-0.589	-1.69
chr3	33389580	33390427	UBP1	5.10E-10	-	33389580	33390427	0	1	847,	0	-9.29	-8.56	5.2	-0.592	-1.69
chr1	1.56E+08	1.56E+08	SLC25A44	2.90E-09	+	1.56E+08	1.56E+08	0	2	339,12,	0,7728	-8.54	-7.93	9.78	-0.592	-1.69
chr9	35107833	35108033	FAM214B	0.00032	-	35107833	35108033	0	1	200,	0	-3.49	-2.49	2.88	-0.587	-1.68
chr6	1.5E+08	1.5E+08	ULBP1	0.00024	+	1.5E+08	1.5E+08	0	1	100,	0	-3.62	-2.61	3	-0.587	-1.68
chr12	71632092	71632491	ZFC3H1	7.40E-08	-	71632092	71632491	0	1	399,	0	-7.13	-6.71	4.5	-0.586	-1.68
chr16	72795139	72796189	ZFXH3	6.80E-08	-	72795139	72796189	0	1	1050,	0	-7.17	-6.74	4.16	-0.587	-1.68
chr2	2.32E+08	2.32E+08	PDE6D	1.30E-07	-	2.32E+08	2.32E+08	0	1	100,	0	-6.88	-5.5	1.67	-0.587	-1.68
chr5	5463781	5464381	ICE1	9.10E-09	+	5463781	5464381	0	1	600,	0	-8.04	-7.5	5.83	-0.588	-1.68
chr14	1.06E+08	1.06E+08	TMEM121	6.20E-05	+	1.06E+08	1.06E+08	0	1	198,	0	-4.21	-4.03	2.27	-0.586	-1.68
chr5	1.71E+08	1.71E+08	AC091980	5.40E-10	-	1.71E+08	1.71E+08	0	1	395,	0	-9.27	-8.55	5.25	-0.586	-1.68
chr19	1087666	1087766	POLR2E	4.60E-07	-	1087666	1087766	0	1	100,	0	-6.34	-5.03	2.38	-0.583	-1.67
chr22	17728018	17728218	BCL2L13	6.50E-06	+	17728018	17728218	0	1	200,	0	-5.19	-4.94	2	-0.583	-1.67
chr22	24321322	24322915	SPECC1L	3.00E-10	+	24321322	24322915	0	1	1593,	0	-9.53	-8.75	8.31	-0.583	-1.67
chrX	1.2E+08	1.2E+08	6-Sep	3.90E-09	-	1.2E+08	1.2E+08	0	3	86,143,22,	0,3937,7604	-8.41	-7.82	2.48	-0.584	-1.67
chr14	50329758	50330159	DMAC2L	1.00E-06	+	50329758	50330159	0	1	401,	0	-6	-4.73	3.2	-0.583	-1.67
chr5	1.77E+08	1.77E+08	NSD1	4.40E-10	+	1.77E+08	1.77E+08	0	1	351,	0	-9.36	-8.62	1.73	-0.581	-1.67
chr18	3457436	3458184	TGIF1	2.50E-13	+	3457436	3458184	0	1	748,	0	-12.6	-11.1	7.81	-0.581	-1.67
chr3	48659185	48659686	CELSR3	1.40E-06	-	48659185	48659686	0	1	501,	0	-5.86	-5.56	9.25	-0.573	-1.66
chr12	1.33E+08	1.33E+08	ZNF268	2.00E-12	+	1.33E+08	1.33E+08	0	1	1400,	0	-11.7	-10.4	11.2	-0.578	-1.66
chr5	663533	665241	CEP72	0.0059	+	663533	665241	0	2	39,62,	0,1646	-2.23	-1.32	1.67	-0.576	-1.66
chr3	50353726	50353876	CYB561D2	1.00E-04	+	50353726	50353876	0	1	150,	0	-3.98	-3.8	2.75	-0.573	-1.66
chr1	39269025	39269376	MACF1	0.002	+	39269025	39269376	0	1	351,	0	-2.7	-2.57	5.11	-0.576	-1.66
chr6	1.38E+08	1.38E+08	NHSL1	0.00045	-	1.38E+08	1.38E+08	0	1	150,	0	-3.35	-2.36	4	-0.576	-1.66
chr1	1.83E+08	1.83E+08	LAMC1	5.80E-05	+	1.83E+08	1.83E+08	0	1	151,	0	-4.24	-4.06	1.47	-0.573	-1.66
chr2	2.16E+08	2.16E+08	SMARCAL1	8.90E-09	+	2.16E+08	2.16E+08	0	1	301,	0	-8.05	-7.51	3.03	-0.579	-1.66

chr4	77032028	77032129	11-Sep	4.30E-06	+	77032028	77032129	0	1	101,	0	-5.37	-4.17	2	-0.575	-1.66
chr1	2.47E+08	2.47E+08	AHCTF1	3.30E-08	-	2.47E+08	2.47E+08	0	1	101,	0	-7.48	-7.01	1.71	-0.576	-1.66
chr7	1546512	1547160	TMEM184,	0.00012	-	1546512	1547160	0	1	648,	0	-3.91	-3.75	4.83	-0.575	-1.66
chr17	42680172	42680519	CCR10	1.00E-04	-	42680172	42680519	0	1	347,	0	-3.98	-3.81	4.58	-0.576	-1.66
chr1	3746377	3746826	TP73-AS1	4.20E-08	-	3746377	3746826	0	1	449,	0	-7.38	-6.93	8.33	-0.576	-1.66
chrX	55486645	55487141	USP51	2.00E-06	-	55486645	55487141	0	1	496,	0	-5.69	-4.45	4.43	-0.579	-1.66
chr2	74462549	74462898	MOGS	1.40E-06	-	74462549	74462898	0	1	349,	0	-5.84	-5.54	3.11	-0.57	-1.65
chr2	38074506	38074707	CYP1B1	0.00029	-	38074506	38074707	0	1	201,	0	-3.54	-3.38	2.31	-0.571	-1.65
chr4	67514165	67514616	CENPC	1.80E-10	-	67514165	67514616	0	1	451,	0	-9.74	-8.92	5.43	-0.568	-1.65
chr6	44255276	44255621	SLC35B2	1.80E-05	-	44255276	44255621	0	1	345,	0	-4.75	-4.54	1.88	-0.571	-1.65
chr1	85252529	85258718	C1orf52	9.80E-08	-	85252529	85258718	0	3	173,29,195,	0,4913,5994	-7.01	-6.6	2.88	-0.572	-1.65
chr17	41853583	41855224	KLHL11	7.90E-14	-	41853583	41855224	0	1	1641,	0	-13.1	-11.6	9.37	-0.568	-1.65
chr12	45851389	45852838	ARID2	4.00E-12	+	45851389	45852838	0	1	1449,	0	-11.4	-10.3	8.25	-0.568	-1.65
chr7	1E+08	1E+08	SPDYE3	1.60E-08	+	1E+08	1E+08	0	1	150,	0	-7.8	-6.28	1.7	-0.57	-1.65
chr22	24321299	24322888	SPECC1L-,	1.30E-09	+	24321299	24322888	0	1	1589,	0	-8.87	-8.21	6	-0.571	-1.65
chr11	77698643	77701420	RSF1	1.00E-12	-	77698643	77701420	0	2	50,700,	0,2077	-12	-10.7	3.79	-0.565	-1.64
chr19	10295603	10296429	ICAM5	3.00E-04	+	10295603	10296429	0	2	9,91,	0,735	-3.52	-3.37	1.93	-0.565	-1.64
chr2	2.19E+08	2.19E+08	ZNF142	4.80E-06	-	2.19E+08	2.19E+08	0	1	1150,	0	-5.32	-5.07	7.17	-0.565	-1.64
chr1	2.12E+08	2.12E+08	LPGAT1	0.0036	-	2.12E+08	2.12E+08	0	1	151,	0	-2.44	-2.32	3.33	-0.566	-1.64
chr4	1.53E+08	1.53E+08	FHDC1	6.30E-06	+	1.53E+08	1.53E+08	0	1	301,	0	-5.2	-4.02	3	-0.565	-1.64
chr1	1.57E+08	1.57E+08	ISG20L2	7.90E-11	-	1.57E+08	1.57E+08	0	1	1242,	0	-10.1	-9.23	8	-0.565	-1.64
chr1	1.55E+08	1.55E+08	RUSC1	2.80E-10	+	1.55E+08	1.55E+08	0	2	48,52,	0,744	-9.55	-8.77	2.71	-0.565	-1.64
chr2	10211027	10211377	RRM2	0.00028	+	10211027	10211377	0	1	350,	0	-3.56	-2.55	4.5	-0.566	-1.64
chr19	37670123	37670371	ZNF781	0.00011	-	37670123	37670371	0	1	248,	0	-3.95	-2.9	3.25	-0.565	-1.64
chr19	1925413	1925713	SCAMP4	2.10E-08	+	1925413	1925713	0	1	300,	0	-7.68	-7.19	3.21	-0.565	-1.64
chr9	33347770	33348221	NFX1	3.40E-07	+	33347770	33348221	0	1	451,	0	-6.47	-6.12	7.08	-0.563	-1.63
chr22	41357952	41358103	ZC3H7B	3.80E-07	+	41357952	41358103	0	1	151,	0	-6.42	-6.08	1.5	-0.563	-1.63
chr7	1E+08	1E+08	ZKSCAN1	2.20E-07	+	1E+08	1E+08	0	1	1047,	0	-6.65	-6.28	9	-0.56	-1.63
chr1	29148289	29154493	SRSF4	1.60E-12	-	29148289	29154493	0	3	937,90,19,	0,1813,6185	-11.8	-10.6	3.5	-0.56	-1.63
chr12	1.22E+08	1.22E+08	RHOF	7.60E-05	-	1.22E+08	1.22E+08	0	1	100,	0	-4.12	-3.95	2.57	-0.559	-1.63
chr4	1.19E+08	1.19E+08	USP53	5.50E-08	+	1.19E+08	1.19E+08	0	1	551,	0	-7.26	-6.82	7.5	-0.563	-1.63
chr7	997332	997482	C7orf50	7.60E-07	-	997332	997482	0	1	150,	0	-6.12	-5.8	1.66	-0.561	-1.63
chr9	12775463	12775563	LURAP1L	0.0065	+	12775463	12775563	0	1	100,	0	-2.19	-2.08	9.27	-0.561	-1.63
chr15	59076123	59081193	RNF111	5.50E-07	+	59076123	59081193	0	2	92,258,	0,4812	-6.26	-5.93	4.27	-0.559	-1.63
chr3	46202608	46204306	CCR1	1.90E-10	-	46202608	46204306	0	1	1698,	0	-9.73	-8.91	7.67	-0.562	-1.63
chr9	1.13E+08	1.13E+08	KIAA1958	6.30E-14	+	1.13E+08	1.13E+08	0	1	849,	0	-13.2	-11.6	5.77	-0.559	-1.63
chr17	46026537	46026987	MAPT	3.30E-08	+	46026537	46026987	0	1	450,	0	-7.48	-7.01	6.33	-0.559	-1.63
chr11	65641220	65641469	SIPA1	5.50E-06	+	65641220	65641469	0	1	249,	0	-5.26	-5.01	6.63	-0.559	-1.63
chr12	1.02E+08	1.02E+08	NUP37	4.50E-07	-	1.02E+08	1.02E+08	0	1	101,	0	-6.35	-5.03	1.6	-0.556	-1.62
chr6	1.27E+08	1.27E+08	ECHDC1	3.10E-06	-	1.27E+08	1.27E+08	0	2	122,28,	0,4348	-5.51	-5.24	2.26	-0.557	-1.62
chr1	1.55E+08	1.55E+08	ASH1L	2.30E-07	-	1.55E+08	1.55E+08	0	1	500,	0	-6.64	-6.27	3.65	-0.554	-1.62
chr11	1.18E+08	1.18E+08	KMT2A	9.10E-10	+	1.18E+08	1.18E+08	0	1	301,	0	-9.04	-8.35	2.25	-0.556	-1.62
chr9	1.36E+08	1.36E+08	CAMSAP1	3.50E-07	-	1.36E+08	1.36E+08	0	1	200,	0	-6.46	-6.11	1.88	-0.554	-1.62
chr2	39769862	39771595	THUMP2	6.20E-08	-	39769862	39771595	0	2	257,91,	0,1642	-7.21	-6.77	4.14	-0.555	-1.62
chr3	1.43E+08	1.43E+08	ATR	4.90E-06	-	1.43E+08	1.43E+08	0	1	401,	0	-5.31	-5.05	3	-0.557	-1.62
chr15	64460791	64500142	ZNF609	2.50E-13	+	64460791	64500142	0	2	47,851,	0,38500	-12.6	-11.2	4.84	-0.554	-1.62
chr19	11721608	11722101	ZNF823	0.00047	-	11721608	11722101	0	1	493,	0	-3.33	-3.18	6.5	-0.554	-1.62
chr1	16871144	16871294	BX284668.	3.10E-05	+	16871144	16871294	0	1	150,	0	-4.51	-3.41	1.73	-0.554	-1.62
chr2	55598533	55598933	PPP4R3B	5.50E-07	-	55598533	55598933	0	1	400,	0	-6.26	-5.93	3.05	-0.554	-1.62
chr7	1.4E+08	1.4E+08	HIPK2	1.10E-07	-	1.4E+08	1.4E+08	0	1	500,	0	-6.96	-6.55	8.9	-0.55	-1.61
chr10	27035089	27035739	ANKRD26	3.50E-07	-	27035089	27035739	0	1	650,	0	-6.46	-5.14	4	-0.553	-1.61



chr4	1.46E+08	1.46E+08	ZNF827	8.50E-08	-	1.46E+08	1.46E+08	0	2	640,60,	0,35789		-7.07	-6.66	4.82	-0.553	-1.61
chr16	89230636	89231485	ZNF778	8.90E-05	+	89230636	89231485	0	1	849,		0	-4.05	-3.87	5.8	-0.551	-1.61
chr2	1.31E+08	1.31E+08	POTEE	7.40E-09	+	1.31E+08	1.31E+08	0	1	300,		0	-8.13	-7.59	2	-0.548	-1.61
chr20	34749802	34750402	NCOA6	9.50E-09	-	34749802	34750402	0	1	600,		0	-8.02	-7.49	4.56	-0.551	-1.61
chr15	43455996	43456647	TP53BP1	1.70E-07	-	43455996	43456647	0	1	651,		0	-6.78	-6.39	4.33	-0.547	-1.6
chr12	1.2E+08	1.2E+08	CN1	5.00E-09	-	1.2E+08	1.2E+08	0	1	399,		0	-8.3	-7.73	2.92	-0.545	-1.6
chr5	95961701	95961801	ELL2	7.80E-06	-	95961701	95961801	0	1	100,		0	-5.11	-3.94	2	-0.543	-1.6
chr4	73098282	73100922	ANKRD17	2.60E-09	-	73098282	73100922	0	2	238,62,	0,2578		-8.59	-7.98	1.89	-0.544	-1.6
chr19	7863983	7864232	EVI5L	2.10E-05	+	7863983	7864232	0	1	249,		0	-4.67	-4.46	2.73	-0.543	-1.6
chr8	8890146	8891092	MFHAS1	1.10E-08	-	8890146	8891092	0	1	946,		0	-7.96	-7.44	7.44	-0.547	-1.6
chr8	25410174	25411365	DOCK5	4.80E-07	+	25410174	25411365	0	2	28,172,	0,1019		-6.32	-5.98	4	-0.545	-1.6
chr21	26837493	26838498	ADAMTS1	1.30E-08	-	26837493	26838498	0	2	785,60,	0,945		-7.87	-7.36	6.29	-0.547	-1.6
chr4	56349340	56349984	AASDH	1.50E-07	-	56349340	56349984	0	1	644,		0	-6.82	-6.43	5.08	-0.545	-1.6
chr1	20483569	20484414	CAMK2N1	4.90E-05	-	20483569	20484414	0	2	150,48,	0,797		-4.31	-3.23	2.8	-0.547	-1.6
chr22	20061728	20063413	TANGO2	0.00014	+	20061728	20063413	0	2	74,76,	0,1609		-3.86	-2.82	3.5	-0.543	-1.6
chr16	730358	730846	CIAO3	1.20E-05	-	730358	730846	0	2	297,4,	0,484		-4.93	-4.71	3	-0.541	-1.59
chr7	99669190	99669390	CYP3A5	0.00026	-	99669190	99669390	0	1	200,		0	-3.58	-2.57	2.86	-0.542	-1.59
chr7	73574388	73574488	TBL2	1.90E-07	-	73574388	73574488	0	1	100,		0	-6.73	-5.37	2.4	-0.541	-1.59
chr9	1.32E+08	1.32E+08	SETX	3.20E-09	-	1.32E+08	1.32E+08	0	1	650,		0	-8.49	-7.9	3.92	-0.541	-1.59
chr2	74425985	74426634	RTKN	6.20E-09	-	74425985	74426634	0	1	649,		0	-8.21	-7.65	3.85	-0.541	-1.59
chr1	1.72E+08	1.72E+08	PRRC2C	1.60E-09	+	1.72E+08	1.72E+08	0	1	649,		0	-8.8	-8.16	2.42	-0.541	-1.59
chr14	75783194	75783344	TTL5	2.10E-05	+	75783194	75783344	0	1	150,		0	-4.67	-3.55	1.8	-0.541	-1.59
chr11	63720348	63720998	RTN3	5.60E-06	+	63720348	63720998	0	1	650,		0	-5.25	-5	6.4	-0.543	-1.59
chr6	18465291	18465491	RNF144B	7.10E-05	+	18465291	18465491	0	1	200,		0	-4.15	-3.08	4.75	-0.541	-1.59
chr6	1.54E+08	1.54E+08	CNKS3	5.50E-09	-	1.54E+08	1.54E+08	0	1	451,		0	-8.26	-7.69	5.6	-0.541	-1.59
chr1	2.02E+08	2.02E+08	IPO9	1.00E-11	+	2.02E+08	2.02E+08	0	1	499,		0	-11	-9.9	4.84	-0.541	-1.59
chr20	297608	298645	ZCCHC3	7.90E-10	+	297608	298645	0	1	1037,		0	-9.1	-8.4	5.48	-0.54	-1.59
chr12	1.2E+08	1.2E+08	PXN-AS1	3.50E-07	+	1.2E+08	1.2E+08	0	1	499,		0	-6.46	-6.11	3.86	-0.541	-1.59
chr22	20997322	20997872	AC002470	5.80E-08	+	20997322	20997872	0	1	550,		0	-7.24	-6.8	7.78	-0.541	-1.59
chr19	50416046	50416246	POLD1	5.10E-06	+	50416046	50416246	0	1	200,		0	-5.29	-4.1	4.43	-0.537	-1.58
chr5	1.43E+08	1.43E+08	NR3C1	3.70E-06	-	1.43E+08	1.43E+08	0	1	101,		0	-5.43	-4.23	3.8	-0.537	-1.58
chr9	35853889	35854139	TMEM8B	0.00013	+	35853889	35854139	0	1	250,		0	-3.87	-2.83	5.25	-0.535	-1.58
chr17	17492871	17492972	MED9	0.00098	+	17492871	17492972	0	1	101,		0	-3.01	-2.04	3.33	-0.538	-1.58
chr17	82615459	82616008	WDR45B	4.10E-09	-	82615459	82616008	0	1	549,		0	-8.39	-7.81	4.72	-0.535	-1.58
chr4	20617649	20619514	SLIT2	4.00E-15	+	20617649	20619514	0	2	1,747,	0,1118		-14.4	-12.6	8.14	-0.535	-1.58
chr11	1.08E+08	1.08E+08	NPAT	9.30E-07	-	1.08E+08	1.08E+08	0	1	350,		0	-6.03	-4.76	2.73	-0.535	-1.58
chr1	2.28E+08	2.28E+08	OBSCN	8.10E-05	+	2.28E+08	2.28E+08	0	1	301,		0	-4.09	-3.91	4.8	-0.535	-1.58
chr19	46921673	46937281	ARHGAP3	6.90E-10	+	46921673	46937281	0	2	683,18,	0,15590		-9.16	-8.46	4	-0.536	-1.58
chr22	21628283	21628625	YDJC	0.00023	-	21628283	21628625	0	1	342,		0	-3.64	-3.49	3.36	-0.538	-1.58
chr4	1.43E+08	1.43E+08	USP38	1.40E-10	+	1.43E+08	1.43E+08	0	2	58,292,	0,1214		-9.86	-9.01	6	-0.535	-1.58
chr6	1.37E+08	1.37E+08	MAP3K5	1.90E-10	-	1.37E+08	1.37E+08	0	1	100,		0	-9.71	-7.84	1.17	-0.537	-1.58
chr5	1.55E+08	1.55E+08	GEMIN5	1.20E-08	-	1.55E+08	1.55E+08	0	1	401,		0	-7.91	-7.39	6.12	-0.533	-1.57
chr19	42080657	42081453	ZNF574	2.80E-07	+	42080657	42081453	0	1	796,		0	-6.56	-6.2	3.65	-0.531	-1.57
chr2	74552603	74553001	LOXL3	1.50E-06	-	74552603	74553001	0	1	398,		0	-5.83	-5.54	8.75	-0.533	-1.57
chr1	2.03E+08	2.03E+08	KDM5B	3.20E-12	-	2.03E+08	2.03E+08	0	1	301,		0	-11.5	-10.3	2.33	-0.533	-1.57
chr1	93180416	93180716	CCDC18	0.00016	+	93180416	93180716	0	1	300,		0	-3.79	-3.63	5.25	-0.532	-1.57
chr19	57357618	57357966	AC005261	0.00022	+	57357618	57357966	0	1	348,		0	-3.66	-2.64	3.57	-0.533	-1.57
chr9	1.13E+08	1.13E+08	SXC31A2	3.90E-05	+	1.13E+08	1.13E+08	0	1	248,		0	-4.41	-3.32	2.5	-0.533	-1.57
chr1	1.54E+08	1.54E+08	HLX1	4.80E-05	+	1.54E+08	1.54E+08	0	1	99,		0	-4.32	-3.24	1.93	-0.533	-1.57
chr1	1.54E+08	1.54E+08	INTS3	1.80E-06	+	1.54E+08	1.54E+08	0	1	101,		0	-5.75	-5.47	1.88	-0.53	-1.57
chr1	2.28E+08	2.28E+08	GUK1	5.20E-05	+	2.28E+08	2.28E+08	0	1	250,		0	-4.28	-4.1	2.75	-0.533	-1.57

chr4	1.5E+08	1.5E+08	DCLK2	0.0031	+	1.5E+08	1.5E+08	0	1	150,	0	-2.51	-1.59	2.12	-0.533	-1.57
chr5	1.8E+08	1.8E+08	TBC1D9B	2.00E-11	-	1.8E+08	1.8E+08	0	2	816,83,	0,1941	-10.7	-9.73	9.09	-0.53	-1.57
chr14	1.03E+08	1.03E+08	CDC42BPE	1.00E-05	-	1.03E+08	1.03E+08	0	4	315,71,106,10,4575,4777,6		-5	-4.77	4.33	-0.531	-1.57
chr20	32166562	32166910	TM9SF4	8.50E-10	+	32166562	32166910	0	1	348,	0	-9.07	-8.38	3.4	-0.527	-1.56
chr8	1.44E+08	1.44E+08	PYCR3	0.00018	-	1.44E+08	1.44E+08	0	1	351,	0	-3.74	-2.71	7.5	-0.528	-1.56
chr6	93243304	93243455	EPHA7	7.10E-05	-	93243304	93243455	0	1	151,	0	-4.15	-3.97	6	-0.528	-1.56
chr1	2.3E+08	2.3E+08	GALNT2	7.90E-13	+	2.3E+08	2.3E+08	0	1	747,	0	-12.1	-10.8	5.74	-0.526	-1.56
chr2	99398827	99398927	EIF5B	0.00011	+	99398827	99398927	0	1	100,	0	-3.97	-3.8	1.67	-0.528	-1.56
chr11	3638601	3638752	ART5	1.70E-07	-	3638601	3638752	0	1	151,	0	-6.78	-6.39	4.89	-0.528	-1.56
chr1	2.35E+08	2.35E+08	IRF2BP2	6.30E-14	-	2.35E+08	2.35E+08	0	3	800,61,35,	0,981,1394	-13.2	-11.6	10.7	-0.528	-1.56
chr17	45983296	45983546	MAPT	1.60E-05	+	45983296	45983546	0	1	250,	0	-4.79	-4.57	9.25	-0.53	-1.56
chr1	2.07E+08	2.07E+08	CD55	1.80E-05	+	2.07E+08	2.07E+08	0	1	349,	0	-4.74	-4.52	3.5	-0.528	-1.56
chr12	1.33E+08	1.33E+08	ZNF140	2.60E-08	+	1.33E+08	1.33E+08	0	1	299,	0	-7.58	-6.09	4.2	-0.53	-1.56
chr19	52840997	52841595	ZNF468	1.60E-08	-	52840997	52841595	0	1	598,	0	-7.79	-7.29	5.89	-0.527	-1.56
chr20	35653292	35659012	RBM12	2.00E-14	-	35653292	35659012	0	2	2052,83,	0,5637	-13.7	-12	6.96	-0.528	-1.56
chr3	1.3E+08	1.3E+08	PLXND1	0.00098	-	1.3E+08	1.3E+08	0	1	100,	0	-3.01	-2.04	1.78	-0.524	-1.55
chr16	2948866	2949216	FLYWCH1	2.30E-05	+	2948866	2949216	0	1	350,	0	-4.64	-4.43	4.27	-0.525	-1.55
chr16	734327	734677	HAGHL	0.0011	+	734327	734677	0	1	350,	0	-2.95	-1.99	3.25	-0.524	-1.55
chr6	1.5E+08	1.5E+08	ULBP3	0.00021	-	1.5E+08	1.5E+08	0	1	149,	0	-3.67	-2.65	3.6	-0.522	-1.55
chr9	1.36E+08	1.36E+08	SEC16A	8.90E-09	-	1.36E+08	1.36E+08	0	1	1048,	0	-8.05	-7.51	6.4	-0.521	-1.55
chr11	1.34E+08	1.34E+08	VPS26B	1.90E-07	+	1.34E+08	1.34E+08	0	1	149,	0	-6.73	-6.35	3.1	-0.522	-1.55
chr1	2.47E+08	2.47E+08	CNST	4.00E-11	+	2.47E+08	2.47E+08	0	2	51,797,	0,5152	-10.4	-9.46	16	-0.525	-1.55
chr17	40264560	40273625	WIPF2	3.20E-12	+	40264560	40273625	0	2	586,13,	0,9052	-11.5	-10.3	5.22	-0.525	-1.55
chr1	47433952	47434100	FOXD2-AS	0.0015	-	47433952	47434100	0	1	148,	0	-2.83	-1.88	2.2	-0.522	-1.55
chr11	1.18E+08	1.18E+08	APO01267	4.30E-10	+	1.18E+08	1.18E+08	0	1	301,	0	-9.37	-8.62	2.42	-0.526	-1.55
chr5	1.8E+08	1.8E+08	MAPK9	1.30E-05	-	1.8E+08	1.8E+08	0	1	150,	0	-4.9	-4.68	2.25	-0.517	-1.54
chr1	1.79E+08	1.79E+08	RALGPS2	6.30E-17	+	1.79E+08	1.79E+08	0	3	83,92,475,	0,4647,14201	-16.2	-14.2	6.59	-0.518	-1.54
chr11	68386372	68389890	LRP5	9.80E-07	+	68386372	68389890	0	2	340,10,	0,3508	-6.01	-5.7	3	-0.519	-1.54
chr10	13630310	13630510	PRPF18	8.10E-08	+	13630310	13630510	0	1	200,	0	-7.09	-6.67	5	-0.521	-1.54
chr11	7653353	7653654	PPFIBP2	6.60E-07	+	7653353	7653654	0	1	301,	0	-6.18	-5.85	6.29	-0.517	-1.54
chr10	1.26E+08	1.26E+08	UROS	1.00E-06	-	1.26E+08	1.26E+08	0	2	416,83,	0,907	-5.99	-5.68	4.25	-0.52	-1.54
chr8	1.45E+08	1.45E+08	ZNF252P	7.20E-07	-	1.45E+08	1.45E+08	0	1	101,	0	-6.14	-4.85	1.8	-0.519	-1.54
chr1	1.46E+08	1.46E+08	ANKRD34	4.00E-07	-	1.46E+08	1.46E+08	0	1	1439,	0	-6.4	-6.06	5.43	-0.52	-1.54
chr20	32165767	32166364	TM9SF4	8.50E-10	+	32165767	32166364	0	1	597,	0	-9.07	-8.38	3.13	-0.511	-1.53
chr3	16377862	16377963	RFTN1	0.0031	-	16377862	16377963	0	1	101,	0	-2.51	-1.58	1.62	-0.515	-1.53
chr7	2658424	2659979	TTYH3	1.20E-07	+	2658424	2659979	0	3	35,76,40,	0,515,1515	-6.92	-6.52	2	-0.513	-1.53
chr2	2.19E+08	2.19E+08	ANKZF1	6.30E-06	+	2.19E+08	2.19E+08	0	1	200,	0	-5.2	-4.96	2.58	-0.511	-1.53
chr15	74632702	74632902	EDC3	7.20E-06	-	74632702	74632902	0	1	200,	0	-5.14	-3.97	1.67	-0.513	-1.53
chr2	49921349	49922199	NRXN1	8.50E-10	-	49921349	49922199	0	1	850,	0	-9.07	-8.38	6.5	-0.515	-1.53
chr5	1.33E+08	1.33E+08	AFF4	6.30E-13	-	1.33E+08	1.33E+08	0	3	9,918,23,	0,3213,5120	-12.2	-10.9	4.82	-0.503	-1.52
chr6	1.16E+08	1.16E+08	DSE	8.30E-09	+	1.16E+08	1.16E+08	0	1	151,	0	-8.08	-7.54	2	-0.507	-1.52
chr1	1.55E+08	1.55E+08	ASH1L	1.20E-09	-	1.55E+08	1.55E+08	0	4	27,742,102,70,22430,4390		-8.91	-8.25	8	-0.507	-1.52
chrX	41215946	41216545	USP9X	1.60E-13	+	41215946	41216545	0	1	599,	0	-12.8	-11.3	3.24	-0.504	-1.52
chr1	1.72E+08	1.72E+08	PIGC	0.00011	-	1.72E+08	1.72E+08	0	1	100,	0	-3.95	-2.9	1.73	-0.507	-1.52
chr11	1.08E+08	1.08E+08	NPAT	9.30E-07	-	1.08E+08	1.08E+08	0	1	300,	0	-6.03	-5.72	3.6	-0.506	-1.52
chr16	70401012	70423012	ST3GAL2	1.10E-06	-	70401012	70423012	0	2	82,69,	0,21931	-5.96	-5.66	2.69	-0.503	-1.52
chr6	43613865	43614364	POLH	2.50E-07	+	43613865	43614364	0	1	499,	0	-6.61	-6.24	3.33	-0.507	-1.52
chr19	10486471	10489242	KEAP1	3.40E-09	-	10486471	10489242	0	2	347,51,	0,2720	-8.47	-7.88	5.9	-0.499	-1.51
chr22	20116136	20116385	RANBP1	5.10E-08	+	20116136	20116385	0	1	249,	0	-7.29	-6.84	4.9	-0.502	-1.51
chr19	306136	306287	MIER2	1.50E-09	-	306136	306287	0	1	151,	0	-8.82	-8.17	2.62	-0.498	-1.51
chr10	79293581	79293682	ZMIZ1	0.014	+	79293581	79293682	0	1	101,	0	-1.84	-1.72	1.57	-0.502	-1.51

chr6	43011255	43011354	PPP2R5D	0.00011	+	43011255	43011354	0	1	99,	0	-3.94	-2.89	1.44	-0.499	-1.51
chr5	59275478	59276028	PDE4D	2.10E-08	-	59275478	59276028	0	1	550,	0	-7.68	-7.19	3.75	-0.498	-1.51
chr6	97260353	97260654	MMS22L	9.10E-07	-	97260353	97260654	0	1	301,	0	-6.04	-5.73	3.5	-0.499	-1.51
chr9	1.37E+08	1.37E+08	FBXW5	0.0036	-	1.37E+08	1.37E+08	0	1	100,	0	-2.44	-2.32	1.45	-0.499	-1.51
chr8	1.23E+08	1.23E+08	ZHX1	7.10E-05	-	1.23E+08	1.23E+08	0	2	175,76,	0,2283	-4.15	-3.97	2.25	-0.502	-1.51
chr3	97942365	97942466	RIOX2	0.00014	-	97942365	97942466	0	1	101,	0	-3.85	-2.81	2	-0.499	-1.51
chr11	65597954	65599468	MAP3K11	5.40E-06	-	65597954	65599468	0	2	674,75,	0,1439	-5.27	-5.02	7.4	-0.499	-1.51
chr6	26637407	26637507	ZNF322	3.20E-11	-	26637407	26637507	0	1	100,	0	-10.5	-9.51	3.71	-0.502	-1.51
chr17	43144782	43153671	NBR2	5.00E-11	+	43144782	43153671	0	2	331,70,	0,8819	-10.3	-9.38	5.9	-0.499	-1.51
chr22	41866997	41867147	SREBF2	7.10E-08	+	41866997	41867147	0	1	150,	0	-7.15	-6.72	1.47	-0.502	-1.51
chr4	1.51E+08	1.51E+08	AC104819	1.30E-18	-	1.51E+08	1.51E+08	0	1	197,	0	-17.9	-14.7	4.4	-0.501	-1.51
chr2	88020869	88021112	AC108479	0.00022	+	88020869	88021112	0	1	243,	0	-3.65	-2.63	4	-0.501	-1.51
chr2	2.01E+08	2.01E+08	CFLAR	4.00E-09	+	2.01E+08	2.01E+08	0	2	321,30,	0,2373	-8.4	-7.82	4.33	-0.495	-1.5
chr14	92005560	92006109	TRIP11	3.80E-08	-	92005560	92006109	0	1	549,	0	-7.42	-6.96	6	-0.495	-1.5
chr13	44574010	44575857	TSC22D1	4.40E-10	-	44574010	44575857	0	1	1847,	0	-9.36	-8.62	6.88	-0.496	-1.5
chr17	39409160	39410603	MED1	3.10E-10	-	39409160	39410603	0	1	1443,	0	-9.51	-8.73	5.29	-0.496	-1.5
chr8	1.33E+08	1.33E+08	PHF20L1	1.70E-06	+	1.33E+08	1.33E+08	0	1	151,	0	-5.77	-4.53	2.67	-0.491	-1.5
chr15	72751617	72752017	ADPGK	1.30E-11	-	72751617	72752017	0	1	400,	0	-10.9	-9.86	4.3	-0.493	-1.5
chr3	52054101	52055875	DUSP7	3.40E-07	-	52054101	52055875	0	2	273,26,	0,1748	-6.47	-6.12	2.43	-0.494	-1.5
chr15	74632453	74632603	EDC3	7.20E-06	-	74632453	74632603	0	1	150,	0	-5.14	-4.9	2.91	-0.493	-1.5
chrX	1.41E+08	1.41E+08	LDOC1	1.10E-09	-	1.41E+08	1.41E+08	0	1	550,	0	-8.96	-8.29	5.13	-0.491	-1.5
chr19	19201564	19201665	NR2C2AP	0.00016	-	19201564	19201665	0	1	101,	0	-3.8	-3.64	2.8	-0.496	-1.5
chr5	1.81E+08	1.81E+08	AC008443	1.30E-05	+	1.81E+08	1.81E+08	0	1	250,	0	-4.9	-4.68	5.71	-0.495	-1.5
chr1	47433460	47433559	FOXD2-AS	0.0015	-	47433460	47433559	0	1	99,	0	-2.83	-1.88	4.33	-0.491	-1.5
chr8	30195419	30195520	ACO26979	3.50E-05	+	30195419	30195520	0	1	101,	0	-4.45	-3.36	2.75	-0.494	-1.5
chr11	78226642	78231848	ACO26979	0.00013	-	78226642	78231848	0	2	409,40,	0,5166	-3.89	-2.84	3.56	-0.491	-1.49
chr14	92000105	92003965	TRIP11	3.80E-08	-	92000105	92003965	0	2	3,547,	0,3313	-7.42	-6.96	5.39	-0.486	-1.49
chr14	33950712	33950862	EGLN3	1.00E-07	-	33950712	33950862	0	1	150,	0	-6.99	-5.59	2.4	-0.488	-1.49
chr2	85326624	85326973	TGOLN2	8.70E-10	-	85326624	85326973	0	1	349,	0	-9.06	-8.37	2.48	-0.488	-1.49
chr4	1.69E+08	1.69E+08	SH3RF1	0.00023	-	1.69E+08	1.69E+08	0	1	299,	0	-3.64	-3.48	6.12	-0.488	-1.49
chr11	65116547	65116983	ZNHIT2	6.30E-07	-	65116547	65116983	0	1	436,	0	-6.2	-5.88	5.57	-0.49	-1.49
chr19	49149976	49150476	PPFIA3	2.40E-08	+	49149976	49150476	0	1	500,	0	-7.62	-7.13	5.81	-0.49	-1.49
chr8	28348435	28349128	FBXO16	3.20E-11	-	28348435	28349128	0	2	395,4,	0,689	-10.5	-9.53	4.41	-0.489	-1.49
chr19	19633918	19634068	GMIP	0.00011	-	19633918	19634068	0	1	150,	0	-3.95	-2.9	2.09	-0.483	-1.48
chr7	1E+08	1E+08	ZKSCAN1	8.30E-10	+	1E+08	1E+08	0	2	40,310,	0,2969	-9.08	-8.39	3.89	-0.484	-1.48
chr12	63808811	63808912	RXYLT1	6.20E-07	+	63808811	63808912	0	1	101,	0	-6.21	-5.88	2.64	-0.483	-1.48
chr9	1.13E+08	1.13E+08	FKBP15	6.80E-06	-	1.13E+08	1.13E+08	0	1	250,	0	-5.17	-4	2.5	-0.483	-1.48
chr11	62614870	62614970	ROM1	0.0017	+	62614870	62614970	0	1	100,	0	-2.76	-1.81	1.67	-0.483	-1.48
chr16	30662633	30663065	FBR3	7.60E-07	+	30662633	30663065	0	2	226,24,	0,408	-6.12	-5.8	2.77	-0.483	-1.48
chr9	1.36E+08	1.36E+08	GPSM1	5.50E-06	+	1.36E+08	1.36E+08	0	2	55,545,	0,1518	-5.26	-5.01	5.27	-0.482	-1.48
chr7	1.02E+08	1.02E+08	ORAI2	1.80E-08	+	1.02E+08	1.02E+08	0	1	200,	0	-7.75	-7.25	4	-0.484	-1.48
chr3	1.44E+08	1.44E+08	DIPK2A	6.30E-13	+	1.44E+08	1.44E+08	0	1	449,	0	-12.2	-10.9	7.38	-0.483	-1.48
chr19	58127586	58127934	ZNF329	2.20E-07	-	58127586	58127934	0	1	348,	0	-6.65	-6.28	5.5	-0.485	-1.48
chr12	1.22E+08	1.22E+08	TMEM120	0.00087	+	1.22E+08	1.22E+08	0	1	101,	0	-3.06	-2.09	1.6	-0.483	-1.48
chr5	1.8E+08	1.8E+08	TBC1D9B	3.30E-06	-	1.8E+08	1.8E+08	0	1	300,	0	-5.48	-5.22	2.11	-0.483	-1.48
chr14	24316497	24316796	LTB4R	0.00014	+	24316497	24316796	0	1	299,	0	-3.86	-3.69	4.75	-0.482	-1.48
chr3	17160851	17161151	TBC1D5	1.10E-05	-	17160851	17161151	0	1	300,	0	-4.96	-4.73	3.56	-0.48	-1.47
chr5	1.81E+08	1.81E+08	MGAT1	3.90E-08	-	1.81E+08	1.81E+08	0	1	999,	0	-7.41	-6.95	7.89	-0.476	-1.47
chr4	1.09E+08	1.09E+08	SEC24B	1.60E-09	+	1.09E+08	1.09E+08	0	2	132,18,	0,15546	-8.79	-8.15	2.65	-0.482	-1.47
chr15	77483185	77483532	HMG20A	1.30E-06	+	77483185	77483532	0	1	347,	0	-5.87	-5.57	2.17	-0.48	-1.47
chr11	62129795	62129895	INCENP	1.20E-07	+	62129795	62129895	0	1	100,	0	-6.91	-6.51	1.27	-0.48	-1.47

chr1	52771020	52771568	ZYG11B	1.00E-10	+	52771020	52771568	0	1	548,	0	-10	-9.15	8.7	-0.479	-1.47
chr12	1.06E+08	1.06E+08	TCP11L2	1.10E-07	+	1.06E+08	1.06E+08	0	1	250,	0	-6.97	-6.56	4.62	-0.479	-1.47
chr3	1.3E+08	1.3E+08	AC083799	0.0017	-	1.3E+08	1.3E+08	0	1	241,	0	-2.76	-2.63	6.25	-0.48	-1.47
chr12	55724405	55724505	AC009779	0.00095	+	55724405	55724505	0	1	100,	0	-3.02	-2.05	1.38	-0.482	-1.47
chr17	36496031	36496282	MYO19	7.40E-05	-	36496031	36496282	0	1	251,	0	-4.13	-3.96	5.4	-0.477	-1.47
chr12	56605914	56606397	BAZ2A	6.30E-13	-	56605914	56606397	0	2	149,151,	0.332	-12.2	-10.9	3	-0.472	-1.46
chr6	1.58E+08	1.58E+08	SERAC1	0.00015	-	1.58E+08	1.58E+08	0	1	151,	0	-3.81	-2.78	3.78	-0.472	-1.46
chrX	1.24E+08	1.24E+08	THOC2	4.00E-05	-	1.24E+08	1.24E+08	0	2	195.6,	0.6644	-4.4	-3.31	2.43	-0.472	-1.46
chr6	1.58E+08	1.58E+08	SNX9	1.10E-07	+	1.58E+08	1.58E+08	0	1	251,	0	-6.96	-6.55	2	-0.471	-1.46
chr2	1.49E+08	1.49E+08	EPC2	3.00E-07	+	1.49E+08	1.49E+08	0	1	300,	0	-6.52	-6.17	3.46	-0.475	-1.46
chr18	24159510	24159759	CABYR	0.00035	+	24159510	24159759	0	1	249,	0	-3.46	-3.31	4.44	-0.472	-1.46
chr16	30352752	30353234	CD2BP2	4.20E-05	-	30352752	30353234	0	2	343.54,	0.428	-4.38	-4.19	2.44	-0.475	-1.46
chr8	1.45E+08	1.45E+08	ZNF16	1.00E-06	-	1.45E+08	1.45E+08	0	1	100,	0	-5.98	-4.71	3	-0.471	-1.46
chr2	30606179	30606280	LCLAT1	0.00026	+	30606179	30606280	0	1	101,	0	-3.59	-2.57	3	-0.472	-1.46
chr10	21516052	21516300	SKIDA1	7.90E-07	-	21516052	21516300	0	1	248,	0	-6.1	-5.78	5.18	-0.472	-1.46
chr22	46231834	46232034	PPARA	9.50E-07	+	46231834	46232034	0	1	200,	0	-6.02	-5.71	6.25	-0.471	-1.46
chr15	71778237	71778387	THSD4	5.10E-05	+	71778237	71778387	0	1	150,	0	-4.29	-3.21	1.8	-0.472	-1.46
chr20	3148711	3149260	FSTKD5	2.40E-05	-	3148711	3149260	0	1	549,	0	-4.62	-4.41	5.75	-0.475	-1.46
chr12	884706	884857	WAK1	5.20E-06	+	884706	884857	0	1	151,	0	-5.28	-5.02	1.89	-0.471	-1.45
chr17	74771396	74771746	NAT9	1.70E-06	-	74771396	74771746	0	1	350,	0	-5.77	-5.49	4.43	-0.468	-1.45
chr4	1.53E+08	1.53E+08	FHDC1	2.60E-05	+	1.53E+08	1.53E+08	0	1	101,	0	-4.58	-3.47	2.75	-0.469	-1.45
chr6	82366655	82366855	TPBG	2.50E-12	+	82366655	82366855	0	1	200,	0	-11.6	-9.35	1.56	-0.468	-1.45
chr5	79512827	79513572	HOMER1	1.00E-08	-	79512827	79513572	0	1	745,	0	-8	-7.47	5.33	-0.468	-1.45
chr7	1.02E+08	1.02E+08	ORAI2	1.80E-08	+	1.02E+08	1.02E+08	0	1	151,	0	-7.75	-7.25	1.89	-0.471	-1.45
chr4	83453393	83455311	HELQ	5.10E-08	-	83453393	83455311	0	2	552.43,	0.1875	-7.29	-6.84	5.27	-0.469	-1.45
chr3	30671815	30672113	TGFBR2	0.00025	+	30671815	30672113	0	1	298,	0	-3.61	-3.45	6.5	-0.469	-1.45
chr2	2.03E+08	2.03E+08	ICA1L	1.50E-05	-	2.03E+08	2.03E+08	0	2	151.50,	0.6420	-4.83	-3.69	2.75	-0.468	-1.45
chr3	56728516	56728817	ARHGFE3	1.60E-06	-	56728516	56728817	0	1	301,	0	-5.79	-4.54	4.4	-0.468	-1.45
chr15	66493923	66494122	SNAPC5	2.30E-07	-	66493923	66494122	0	1	199,	0	-6.64	-6.27	2.81	-0.47	-1.45
chrX	1.41E+08	1.41E+08	LDOC1	5.00E-14	-	1.41E+08	1.41E+08	0	2	576.11,	0.1060	-13.3	-11.7	4.94	-0.467	-1.45
chr2	2.41E+08	2.41E+08	DUSP28	0.00043	+	2.41E+08	2.41E+08	0	1	298,	0	-3.37	-2.38	4	-0.471	-1.45
chr15	28705193	28705546	GOLGA8M	9.30E-08	-	28705193	28705546	0	2	34.64,	0.289	-7.03	-5.63	2.67	-0.47	-1.45
chr3	47870993	47871094	MAP4	1.00E-07	-	47870993	47871094	0	1	101,	0	-6.98	-6.57	1.21	-0.465	-1.44
chr7	1.52E+08	1.52E+08	KMT2C	2.80E-08	-	1.52E+08	1.52E+08	0	1	1248,	0	-7.55	-7.08	7.62	-0.464	-1.44
chr14	95103447	95105092	DICER1	2.30E-09	-	95103447	95105092	0	2	679.22,	0.1623	-8.63	-8.01	5.17	-0.464	-1.44
chr19	18531849	18531998	FKBP8	3.00E-07	-	18531849	18531998	0	1	149,	0	-6.52	-6.16	1.54	-0.462	-1.44
chr6	1.19E+08	1.19E+08	MCM9	3.00E-08	-	1.19E+08	1.19E+08	0	1	1301,	0	-7.53	-7.06	8.5	-0.464	-1.44
chr1	1.5E+08	1.5E+08	PRPF3	2.00E-06	+	1.5E+08	1.5E+08	0	1	100,	0	-5.7	-5.42	1.5	-0.464	-1.44
chr10	1.01E+08	1.01E+08	SLF2	1.60E-11	+	1.01E+08	1.01E+08	0	1	100,	0	-10.8	-9.77	1.79	-0.463	-1.44
chr13	40933320	40941211	ELF1	1.10E-08	-	40933320	40941211	0	2	708.291,	0.7600	-7.94	-7.42	9.08	-0.465	-1.44
chr9	1.28E+08	1.28E+08	CDK9	1.50E-10	+	1.28E+08	1.28E+08	0	1	650,	0	-9.81	-8.98	4.7	-0.464	-1.44
chr16	88814230	88818060	GALNS	8.50E-08	-	88814230	88818060	0	2	295.54,	0.3776	-7.07	-6.66	4	-0.464	-1.44
chrX	38804891	38805739	MID1IP1	1.90E-06	+	38804891	38805739	0	1	848,	0	-5.71	-5.43	4.14	-0.464	-1.44
chr5	1.19E+08	1.19E+08	DMXL1	1.80E-06	+	1.19E+08	1.19E+08	0	1	101,	0	-5.75	-4.51	4	-0.463	-1.44
chr21	41990861	41991757	ZBTB21	4.00E-09	-	41990861	41991757	0	1	896,	0	-8.4	-7.82	13.6	-0.462	-1.44
chr3	57556920	57557418	PDE12	1.00E-08	+	57556920	57557418	0	1	498,	0	-7.98	-7.45	4.13	-0.463	-1.44
chr9	1.37E+08	1.37E+08	GRIN1	0.0045	+	1.37E+08	1.37E+08	0	1	299,	0	-2.35	-2.23	2.67	-0.465	-1.44
chr9	86945858	86945959	GAS1	1.00E-05	-	86945858	86945959	0	1	101,	0	-4.99	-3.84	2.8	-0.462	-1.44
chr22	23263562	23264060	FBXW4P1	2.60E-05	+	23263562	23264060	0	1	498,	0	-4.59	-3.48	6.75	-0.465	-1.44
chr2	2.01E+08	2.01E+08	CFLAR	1.00E-05	+	2.01E+08	2.01E+08	0	1	151,	0	-4.99	-3.84	4.83	-0.458	-1.43
chr14	68874641	68875041	ACTN1	1.80E-09	-	68874641	68875041	0	1	400,	0	-8.75	-8.11	3.22	-0.458	-1.43

chr20	62671891	62672042	SLCO4A1	0.006	+	62671891	62672042	0	1	151,	0	-2.22	-2.1	2.2	-0.457	-1.43
chr1	2.37E+08	2.37E+08	MTR	0.00011	+	2.37E+08	2.37E+08	0	1	101,	0	-3.94	-3.77	1.55	-0.458	-1.43
chr9	92846222	92846920	ZNF484	1.70E-08	-	92846222	92846920	0	1	698,	0	-7.78	-7.28	6.57	-0.459	-1.43
chr21	14373833	14375744	HSPA13	3.20E-14	-	14373833	14375744	0	2	451,93,	0,1818	-13.5	-11.8	9.5	-0.46	-1.43
chr4	1.18E+08	1.18E+08	PRSS12	0.00018	-	1.18E+08	1.18E+08	0	1	250,	0	-3.74	-2.71	7.5	-0.459	-1.43
chr4	1.25E+08	1.25E+08	FAT4	0.00055	+	1.25E+08	1.25E+08	0	1	151,	0	-3.26	-2.27	6.75	-0.461	-1.43
chr19	48922825	48923074	NUCB1	4.50E-08	+	48922825	48923074	0	1	249,	0	-7.35	-6.9	2.47	-0.456	-1.42
chr7	43631561	43631861	COA1	1.30E-05	-	43631561	43631861	0	1	300,	0	-4.9	-4.67	4.11	-0.452	-1.42
chr1	1.48E+08	1.48E+08	BCL9	3.00E-08	+	1.48E+08	1.48E+08	0	1	898,	0	-7.52	-7.05	6.3	-0.454	-1.42
chr16	67163675	67164173	FBXL8	2.40E-05	+	67163675	67164173	0	1	498,	0	-4.62	-4.42	5.4	-0.455	-1.42
chr19	44236258	44274780	ZNF235	1.70E-08	-	44236258	44274780	0	2	471,29,	0,38493	-7.77	-6.25	3.29	-0.451	-1.42
chr5	80143340	80143590	SERINC5	0.00013	0	80143340	80143590	0	1	250,	0	-3.9	-2.86	2.8	-0.456	-1.42
chr4	1.43E+08	1.43E+08	USP38	1.40E-10	+	1.43E+08	1.43E+08	0	1	999,	0	-9.86	-9.01	6.21	-0.454	-1.42
chr19	52798353	52799847	ZNF28	1.70E-08	-	52798353	52799847	0	1	1494,	0	-7.78	-7.28	8.17	-0.452	-1.42
chr2	2.31E+08	2.31E+08	C2orf72	5.40E-06	+	2.31E+08	2.31E+08	0	1	299,	0	-5.27	-4.09	7.6	-0.453	-1.42
chr15	73740010	73751289	INSYN1	3.10E-09	-	73740010	73751289	0	2	632,315,	0,10964	-8.51	-7.91	10.3	-0.451	-1.42
chr16	67542127	67542975	RIPOR1	6.30E-13	+	67542127	67542975	0	1	848,	0	-12.2	-10.9	3.71	-0.45	-1.41
chr12	1.2E+08	1.2E+08	PXN	4.80E-05	-	1.2E+08	1.2E+08	0	1	498,	0	-4.32	-4.13	3.61	-0.447	-1.41
chr17	78971534	78972676	LGALS3BP	1.40E-10	-	78971534	78972676	0	1	1142,	0	-9.84	-9.01	5.63	-0.448	-1.41
chr12	12717805	12718858	CDKN1B	1.10E-10	+	12717805	12718858	0	2	509,34,	0,1019	-9.95	-9.09	3.48	-0.448	-1.41
chr5	1.77E+08	1.77E+08	DBN1	4.50E-09	-	1.77E+08	1.77E+08	0	3	261,171,65,	0,651,1156	-8.35	-7.77	2.59	-0.447	-1.41
chr15	80754728	80754927	ABHD17C	3.70E-06	+	80754728	80754927	0	1	199,	0	-5.43	-4.22	1.71	-0.447	-1.41
chr2	2.01E+08	2.01E+08	SGO2	1.40E-08	+	2.01E+08	2.01E+08	0	1	650,	0	-7.86	-7.35	6.12	-0.45	-1.41
chr19	23361799	23362000	ZNF91	5.40E-10	-	23361799	23362000	0	1	201,	0	-9.27	-7.5	2.25	-0.449	-1.41
chr9	1.34E+08	1.34E+08	BRD3	2.90E-06	-	1.34E+08	1.34E+08	0	2	145,105,	0,1635	-5.54	-5.27	2.22	-0.451	-1.41
chr12	1.18E+08	1.18E+08	KSR2	1.40E-05	-	1.18E+08	1.18E+08	0	1	301,	0	-4.85	-3.71	3.5	-0.449	-1.41
chr19	9412710	9413410	ZNF266	1.30E-10	-	9412710	9413410	0	1	700,	0	-9.89	-9.04	7.44	-0.449	-1.41
chr17	6628144	6634788	KIAA0753	1.80E-07	-	6628144	6634788	0	2	597,48,	0,6596	-6.75	-6.37	3.33	-0.447	-1.41
chr5	1.41E+08	1.41E+08	ANKHD1-I	4.90E-10	+	1.41E+08	1.41E+08	0	1	501,	0	-9.31	-8.58	5.71	-0.449	-1.41
chr7	39951718	39951869	CDK13	1.60E-12	+	39951718	39951869	0	1	151,	0	-11.8	-10.5	2.91	-0.444	-1.4
chr22	49823590	49824241	BRD1	2.80E-09	-	49823590	49824241	0	1	651,	0	-8.55	-7.95	5.94	-0.445	-1.4
chr17	46170958	46171808	KANSL1	5.40E-10	-	46170958	46171808	0	1	850,	0	-9.27	-8.55	7.5	-0.447	-1.4
chr19	6210479	6211374	MLLT1	3.50E-05	-	6210479	6211374	0	1	895,	0	-4.45	-4.25	7.13	-0.447	-1.4
chr15	40622346	40623247	KNL1	2.00E-07	+	40622346	40623247	0	1	901,	0	-6.69	-6.32	4.83	-0.447	-1.4
chr21	44849833	44850282	PTTG1IP	2.20E-08	-	44849833	44850282	0	1	449,	0	-7.66	-7.17	4.2	-0.445	-1.4
chr19	52840499	52840798	ZNF468	2.10E-07	-	52840499	52840798	0	1	299,	0	-6.67	-6.3	4.2	-0.446	-1.4
chrX	21856861	21857162	MBTPS2	0.00013	+	21856861	21857162	0	1	301,	0	-3.87	-2.83	3.83	-0.44	-1.39
chr3	1.5E+08	1.5E+08	WWTR1	1.70E-07	-	1.5E+08	1.5E+08	0	2	117,33,	0,3150	-6.77	-6.39	1.55	-0.438	-1.39
chr16	68226522	68226672	NFATC3	0.0022	+	68226522	68226672	0	1	150,	0	-2.66	-2.53	1.39	-0.438	-1.39
chr20	4856740	4859324	SLC23A2	2.40E-08	-	4856740	4859324	0	2	464,36,	0,2548	-7.62	-7.14	5.59	-0.436	-1.39
chr9	98124451	98126642	CORO2A	5.60E-06	-	98124451	98126642	0	2	454,94,	0,2097	-5.25	-5	8.4	-0.438	-1.39
chr1	1315032	1315481	INTS11	3.00E-06	-	1315032	1315481	0	1	449,	0	-5.53	-5.26	6.29	-0.436	-1.39
chr1	1.81E+08	1.81E+08	STX6	1.60E-12	-	1.81E+08	1.81E+08	0	2	548,51,	0,8578	-11.8	-10.5	9.46	-0.439	-1.39
chr4	76740506	76740706	SHROOM3	1.50E-06	+	76740506	76740706	0	1	200,	0	-5.82	-5.52	2.85	-0.436	-1.39
chr17	82601349	82602448	FOXK2	6.30E-12	+	82601349	82602448	0	1	1099,	0	-11.2	-10.1	8.24	-0.438	-1.39
chr5	1.16E+08	1.16E+08	ATG12	8.70E-07	-	1.16E+08	1.16E+08	0	2	31,70,	0,2497	-6.06	-4.78	1.88	-0.439	-1.39
chr1	77942097	77942699	NEXN	4.30E-05	+	77942097	77942699	0	2	111,239,	0,363	-4.37	-4.18	3.55	-0.436	-1.39
chr1	40514561	40515160	EXO5	0.00052	+	40514561	40515160	0	1	599,	0	-3.28	-2.29	4.67	-0.439	-1.39
chr3	9470518	9470868	SETD5	7.20E-08	+	9470518	9470868	0	1	350,	0	-7.14	-6.72	3.68	-0.438	-1.39
chr18	63127133	63127782	BCL2	9.30E-08	-	63127133	63127782	0	1	649,	0	-7.03	-6.62	7.38	-0.439	-1.39
chr22	17788845	17789343	ACO16026	1.40E-06	-	17788845	17789343	0	1	498,	0	-5.86	-5.56	3.5	-0.434	-1.38

chr19	47496872	47497023	NAPA	8.90E-07	-	47496872	47497023	0	1	151,	0	-6.05	-4.78	7	-0.434	-1.38
chr4	1.03E+08	1.03E+08	UBE2D3	4.50E-09	-	1.03E+08	1.03E+08	0	2	280,21,	0,1747	-8.35	-7.77	2.5	-0.433	-1.38
chr4	1.9E+08	1.9E+08	FRG1	2.50E-06	+	1.9E+08	1.9E+08	0	2	56,43,	0,78	-5.6	-5.32	1.26	-0.433	-1.38
chr9	35661724	35661973	ARHGGEF39	1.10E-05	-	35661724	35661973	0	1	249,	0	-4.96	-4.73	3.58	-0.433	-1.38
chr15	31372045	31372744	KLF13	5.00E-12	+	31372045	31372744	0	1	699,	0	-11.3	-10.1	13.8	-0.434	-1.38
chr13	20702622	20704090	IL17D	2.70E-06	+	20702622	20704090	0	3	698,102,95,	0,720,1373	-5.57	-5.29	7	-0.434	-1.38
chr19	34740753	34741450	ZNF181	3.70E-07	+	34740753	34741450	0	1	697,	0	-6.43	-6.08	6.5	-0.434	-1.38
chr1	40514556	40515009	AL603839.	5.00E-14	-	40514556	40515009	0	2	78,210,	0,243	-13.3	-10.6	4	-0.434	-1.38
chr3	1.86E+08	1.86E+08	ETV5	1.20E-06	-	1.86E+08	1.86E+08	0	1	299,	0	-5.91	-5.61	2.7	-0.435	-1.38
chr11	1.02E+08	1.02E+08	BIRC3	4.50E-05	+	1.02E+08	1.02E+08	0	1	100,	0	-4.35	-3.26	2.29	-0.43	-1.37
chr16	50751659	50751809	CYLD	7.20E-07	+	50751659	50751809	0	1	150,	0	-6.14	-5.82	5	-0.429	-1.37
chr14	22611031	22611131	ABHD4	6.60E-06	+	22611031	22611131	0	1	100,	0	-5.18	-4.94	3	-0.428	-1.37
chr20	50891112	50892261	ADNP	1.30E-09	-	50891112	50892261	0	1	1149,	0	-8.87	-8.21	10.5	-0.43	-1.37
chr2	1.05E+08	1.05E+08	TGFBRAP1	2.00E-07	-	1.05E+08	1.05E+08	0	1	249,	0	-6.7	-6.32	2	-0.432	-1.37
chr19	46920624	46921574	ARHGAP3	6.90E-10	+	46920624	46921574	0	1	950,	0	-9.16	-8.46	3.67	-0.431	-1.37
chr16	4113895	4114644	ADCY9	3.50E-06	-	4113895	4114644	0	1	749,	0	-5.46	-5.19	5.16	-0.428	-1.37
chr8	42437166	42437565	SLC20A2	2.70E-07	-	42437166	42437565	0	1	399,	0	-6.57	-6.21	4.91	-0.431	-1.37
chr4	1.84E+08	1.84E+08	STOX2	2.20E-05	+	1.84E+08	1.84E+08	0	1	300,	0	-4.66	-4.45	4.67	-0.431	-1.37
chr13	1.14E+08	1.14E+08	CHAMP1	3.20E-16	+	1.14E+08	1.14E+08	0	1	598,	0	-15.5	-13.5	10.2	-0.429	-1.37
chr6	30198804	30199104	TRIM26	1.00E-06	-	30198804	30199104	0	1	300,	0	-5.98	-5.68	3	-0.427	-1.37
chr12	1.23E+08	1.23E+08	PITPNM2	0.00037	-	1.23E+08	1.23E+08	0	1	101,	0	-3.43	-2.43	1.67	-0.422	-1.36
chr20	63287603	63289542	ARFGAP1	4.00E-12	+	63287603	63289542	0	1	1939,	0	-11.4	-10.3	9.44	-0.422	-1.36
chr9	1.36E+08	1.36E+08	CAMSAP1	3.50E-07	-	1.36E+08	1.36E+08	0	1	250,	0	-6.46	-6.11	4.4	-0.425	-1.36
chr3	1.38E+08	1.38E+08	MRAS	6.30E-05	+	1.38E+08	1.38E+08	0	1	200,	0	-4.2	-3.13	2	-0.426	-1.36
chr11	76463984	76472568	EMSY	1.00E-04	+	76463984	76472568	0	2	96,5,	0,8579	-3.99	-2.94	2.23	-0.424	-1.36
chr1	77933391	77941749	NEXN	5.50E-05	+	77933391	77941749	0	3	88,222,39,	0,2431,8319	-4.26	-4.08	3.67	-0.425	-1.36
chr10	1.17E+08	1.17E+08	PDZD8	3.20E-11	-	1.17E+08	1.17E+08	0	1	2240,	0	-10.5	-9.5	7.93	-0.423	-1.36
chr15	79412909	79413260	TMED3	9.30E-06	+	79412909	79413260	0	1	351,	0	-5.03	-3.87	6.6	-0.425	-1.36
chr16	15636013	15636163	MARF1	0.00021	-	15636013	15636163	0	1	150,	0	-3.67	-3.51	2.71	-0.425	-1.36
chr4	53365668	53365768	SCFD2	6.60E-07	-	53365668	53365768	0	1	100,	0	-6.18	-4.89	2.33	-0.424	-1.36
chr11	1.19E+08	1.19E+08	USP2	1.30E-05	-	1.19E+08	1.19E+08	0	2	615,32,	0,879	-4.88	-4.65	7.4	-0.419	-1.35
chr15	73302658	73302959	NEO1	1.30E-09	+	73302658	73302959	0	1	301,	0	-8.9	-8.24	5.42	-0.417	-1.35
chr22	20997287	20997886	LZTR1	7.20E-08	+	20997287	20997886	0	1	599,	0	-7.14	-6.72	6.75	-0.418	-1.35
chr22	29788906	29789056	ASCC2	5.90E-06	-	29788906	29789056	0	1	150,	0	-5.23	-4.98	1.75	-0.417	-1.35
chr4	48852063	48852461	OCIAD1	5.50E-08	+	48852063	48852461	0	1	398,	0	-7.26	-6.82	4.5	-0.416	-1.35
chr9	1.14E+08	1.14E+08	RGS3	0.00087	+	1.14E+08	1.14E+08	0	1	151,	0	-3.06	-2.09	4	-0.417	-1.35
chr12	1.1E+08	1.1E+08	GIT2	3.60E-05	-	1.1E+08	1.1E+08	0	1	401,	0	-4.44	-4.24	6.4	-0.419	-1.35
chr2	2.19E+08	2.19E+08	CNOT9	5.50E-10	+	2.19E+08	2.19E+08	0	1	499,	0	-9.26	-8.54	4.1	-0.419	-1.35
chr9	1.3E+08	1.3E+08	ASB6	3.70E-06	-	1.3E+08	1.3E+08	0	2	78,72,	0,193	-5.43	-5.17	2.25	-0.419	-1.35
chr11	1.08E+08	1.08E+08	NPAT	9.30E-07	-	1.08E+08	1.08E+08	0	1	101,	0	-6.03	-4.76	2.5	-0.418	-1.35
chr20	36793491	36794240	SOGA1	2.10E-09	-	36793491	36794240	0	1	749,	0	-8.68	-8.05	4.86	-0.416	-1.35
chr3	48158781	48159388	CDC25A	5.20E-06	-	48158781	48159388	0	2	304,45,	0,562	-5.28	-5.03	6.85	-0.418	-1.35
chr16	265732	265933	FAM234A	6.30E-06	+	265732	265933	0	1	201,	0	-5.2	-4.95	2.62	-0.417	-1.35
chr4	1.05E+08	1.05E+08	TET2	4.30E-10	+	1.05E+08	1.05E+08	0	1	1449,	0	-9.37	-8.63	7.92	-0.416	-1.35
chr1	28473641	28473991	PHACTR4	5.50E-07	+	28473641	28473991	0	1	350,	0	-6.26	-5.93	5	-0.419	-1.35
chr1	15659966	15661722	RSC1A1	1.00E-80	+	15659966	15661722	0	1	1756,	0	-80	-76.6	9.5	-0.419	-1.35
chr1	3739398	3740096	TP73-AS1	2.70E-07	-	3739398	3740096	0	1	698,	0	-6.57	-6.21	2.12	-0.419	-1.35
chr4	1.04E+08	1.05E+08	CXXC4-AS	8.30E-08	+	1.04E+08	1.05E+08	0	3	112,59,29,	0,146949,147!	-7.08	-6.66	2.13	-0.419	-1.35
chr1	1.56E+08	1.56E+08	AL353807.	2.50E-11	-	1.56E+08	1.56E+08	0	1	492,	0	-10.6	-9.65	3.62	-0.416	-1.35
chrX	2881480	2881828	GYG2	1.00E-05	+	2881480	2881828	0	1	348,	0	-4.98	-4.75	3.76	-0.412	-1.34
chr20	46366849	46367149	ELMO2	2.90E-10	-	46366849	46367149	0	1	300,	0	-9.54	-8.76	4.14	-0.416	-1.34

chr2	2.1E+08	2.1E+08	MAP2	6.30E-06	+	2.1E+08	2.1E+08	0	2	618,31,	0,809		-5.2	-4.95	3.5	-0.416	-1.34
chr5	1.42E+08	1.42E+08	DELE1	2.20E-08	+	1.42E+08	1.42E+08	0	1	401,		0	-7.65	-7.16	2.82	-0.412	-1.34
chr15	48738298	48738797	CEP152	6.50E-09	-	48738298	48738797	0	1	499,		0	-8.19	-7.64	8.6	-0.416	-1.34
chr17	35578272	35578421	PEX12	0.0013	-	35578272	35578421	0	1	149,		0	-2.9	-1.94	2	-0.414	-1.34
chr1	2.11E+08	2.11E+08	RCOR3	6.30E-11	+	2.11E+08	2.11E+08	0	1	450,		0	-10.2	-9.25	5.19	-0.415	-1.34
chr1	52033386	52033587	TXNDC12	9.50E-05	-	52033386	52033587	0	1	201,		0	-4.02	-3.85	2.4	-0.412	-1.34
chr14	77025385	77026626	IRF2BPL	7.60E-09	-	77025385	77026626	0	1	1241,		0	-8.12	-7.57	7	-0.413	-1.34
chr1	2.45E+08	2.45E+08	DESI2	2.60E-08	+	2.45E+08	2.45E+08	0	1	400,		0	-7.58	-7.1	4.65	-0.415	-1.34
chr11	72012990	72013840	NUMA1	7.90E-12	-	72012990	72013840	0	1	850,		0	-11.1	-9.97	2.4	-0.412	-1.34
chr15	54014968	54015069	UNC13C	5.50E-06	+	54014968	54015069	0	1	101,		0	-5.26	-5.01	1.74	-0.415	-1.34
chr12	45927528	45928478	SCAF11	6.80E-10	-	45927528	45928478	0	1	950,		0	-9.17	-8.47	3.86	-0.416	-1.34
chr19	50044802	50044903	ZNF473	3.70E-07	+	50044802	50044903	0	1	101,		0	-6.43	-6.09	2	-0.415	-1.34
chr9	14120546	14125703	NFIB	9.10E-05	-	14120546	14125703	0	2	78,72,	0,5085		-4.04	-3.87	3.5	-0.415	-1.34
chr4	1.83E+08	1.83E+08	WWC2	8.10E-06	+	1.83E+08	1.83E+08	0	1	250,		0	-5.09	-4.85	2.29	-0.415	-1.34
chr3	1E+08	1E+08	TOMM70	2.00E-05	-	1E+08	1E+08	0	2	242,8,	0,2568		-4.69	-4.48	4.29	-0.414	-1.34
chr4	2328895	2329096	ZFYVE28	0.00083	-	2328895	2329096	0	1	201,		0	-3.08	-2.11	3.8	-0.415	-1.34
chr9	1.01E+08	1.01E+08	TMEM246	2.60E-08	-	1.01E+08	1.01E+08	0	1	801,		0	-7.58	-7.1	5.89	-0.415	-1.34
chr15	41711298	41713449	MGA	1.00E-06	+	41711298	41713449	0	2	51,299,	0,1852		-6	-5.7	3.23	-0.416	-1.34
chr9	5919871	5920322	KIAA2026	3.20E-05	-	5919871	5920322	0	1	451,		0	-4.49	-4.29	5	-0.412	-1.34
chr9	38621992	38622193	FAM201A	9.30E-08	+	38621992	38622193	0	1	201,		0	-7.03	-5.63	4.2	-0.415	-1.34
chr17	40363197	40364195	AC080112	3.90E-08	+	40363197	40364195	0	1	998,		0	-7.41	-6.95	4.8	-0.416	-1.34
chr20	63738806	63738904	AL121845	7.90E-12	+	63738806	63738904	0	1	98,		0	-11.1	-8.92	2.86	-0.412	-1.34
chr18	9536765	9536866	RALBP1	7.10E-10	+	9536765	9536866	0	1	101,		0	-9.15	-8.45	1.67	-0.411	-1.33
chr13	95791394	95791744	DNAJC3	1.20E-07	+	95791394	95791744	0	1	350,		0	-6.92	-6.52	3.14	-0.411	-1.33
chr6	1.5E+08	1.5E+08	ULBP1	0.00024	+	1.5E+08	1.5E+08	0	1	149,		0	-3.62	-2.61	3.5	-0.408	-1.33
chr6	20488202	20490670	E2F3	2.40E-08	+	20488202	20490670	0	2	46,503,	0,1965		-7.62	-7.14	9.33	-0.408	-1.33
chr9	1.12E+08	1.12E+08	PTBP3	0.00038	-	1.12E+08	1.12E+08	0	2	227,24,	0,376		-3.42	-3.27	6	-0.411	-1.33
chr1	52897455	52897755	ECHDC2	4.20E-07	-	52897455	52897755	0	1	300,		0	-6.38	-6.04	4.5	-0.408	-1.33
chr20	41174491	41175092	PLCG1	3.90E-10	+	41174491	41175092	0	1	601,		0	-9.41	-8.66	4.11	-0.408	-1.33
chr15	58900504	58901063	SLTM	1.10E-09	-	58900504	58901063	0	2	254,96,	0,463		-8.95	-8.28	9.17	-0.409	-1.33
chr8	70156969	70157169	NCOA2	1.60E-12	-	70156969	70157169	0	1	200,		0	-11.8	-10.6	2.47	-0.41	-1.33
chr9	6433993	6434094	AC009060	3.20E-07	+	6433993	6434094	0	1	101,		0	-6.5	-6.14	3.14	-0.412	-1.33
chr15	84784488	84784739	ZNF592	1.50E-08	+	84784488	84784739	0	1	251,		0	-7.83	-7.32	5.17	-0.409	-1.33
chr16	2764361	2764511	SRRM2	1.10E-06	+	2764361	2764511	0	1	150,		0	-5.96	-5.66	1.58	-0.407	-1.33
chr5	1.23E+08	1.23E+08	CEP120	4.10E-09	-	1.23E+08	1.23E+08	0	2	181,118,	0,3371		-8.39	-7.81	5.65	-0.408	-1.33
chr22	31714200	31715446	PRR14L	2.00E-09	-	31714200	31715446	0	1	1246,		0	-8.7	-8.07	4.73	-0.409	-1.33
chr14	1.02E+08	1.02E+08	DYNC1H1	6.90E-08	+	1.02E+08	1.02E+08	0	1	301,		0	-7.16	-6.74	3.02	-0.409	-1.33
chr16	70159941	70161455	AC009060	1.30E-08	-	70159941	70161455	0	4	139,140,207,0,230,793,150			-7.87	-7.36	8.31	-0.411	-1.33
chr12	94581690	94581890	TMCC3	0.00013	-	94581690	94581890	0	1	200,		0	-3.87	-3.71	4.86	-0.405	-1.32
chr4	48382685	48382786	SLAIN2	3.60E-07	+	48382685	48382786	0	1	101,		0	-6.44	-6.09	1.38	-0.403	-1.32
chr1	1.01E+08	1.01E+08	DPH5	3.40E-05	-	1.01E+08	1.01E+08	0	1	199,		0	-4.47	-4.28	2.62	-0.404	-1.32
chr20	354249	354499	NRSN2	1.30E-08	+	354249	354499	0	1	250,		0	-7.88	-7.37	2.77	-0.406	-1.32
chr16	24919587	24920334	ARHGAP17	1.00E-10	-	24919587	24920334	0	1	747,		0	-10	-9.15	7.13	-0.404	-1.32
chr2	43224945	43225495	ZFP36L2	7.90E-13	-	43224945	43225495	0	1	550,		0	-12.1	-10.8	2.57	-0.403	-1.32
chr19	33813816	33814116	KCTD15	3.70E-06	+	33813816	33814116	0	1	300,		0	-5.43	-5.17	4.88	-0.403	-1.32
chr8	91071264	91076635	OTUD6B	1.00E-09	+	91071264	91076635	0	3	25,81,44,	0,2566,5327		-9	-8.33	1.54	-0.403	-1.32
chr2	74834129	74834229	HK2	6.80E-06	+	74834129	74834229	0	1	100,		0	-5.17	-4.93	2.74	-0.403	-1.32
chr3	14141694	14141943	TMEM43	1.40E-09	+	14141694	14141943	0	1	249,		0	-8.84	-8.19	3.6	-0.404	-1.32
chr21	45513088	45513639	SLC19A1	4.30E-07	-	45513088	45513639	0	1	551,		0	-6.37	-6.03	8.43	-0.402	-1.32
chr15	84621727	84622126	ZSCAN2	2.80E-05	+	84621727	84622126	0	1	399,		0	-4.55	-4.34	10.2	-0.403	-1.32
chr21	14967831	14968432	NRIP1	1.20E-07	-	14967831	14968432	0	1	601,		0	-6.91	-6.52	9.33	-0.404	-1.32

chr8	93733587	93735778	RBM12B	1.30E-14	-	93733587	93735778	0	1	2191,	0	-13.9	-12.2	10.6	-0.405	-1.32
chr10	5639161	5639704	ASB13	1.90E-07	-	5639161	5639704	0	1	543,	0	-6.71	-6.33	4.67	-0.405	-1.32
chr4	1.51E+08	1.51E+08	LRBA	4.60E-08	-	1.51E+08	1.51E+08	0	1	151,	0	-7.34	-6.89	2.52	-0.404	-1.32
chr1	88982596	88983944	RBMXL1	1.30E-12	-	88982596	88983944	0	1	1348,	0	-11.9	-10.6	5.67	-0.403	-1.32
chr11	1.02E+08	1.02E+08	AP001830.	0.0011	+	1.02E+08	1.02E+08	0	1	199,	0	-2.96	-2.83	8.43	-0.404	-1.32
chr2	65072205	65072705	CEP68	3.20E-08	+	65072205	65072705	0	1	500,	0	-7.49	-7.02	5.24	-0.4	-1.31
chr7	1.52E+08	1.52E+08	KMT2C	3.20E-10	-	1.52E+08	1.52E+08	0	2	88,1709,	0,3132	-9.5	-8.73	6.83	-0.4	-1.31
chr12	909903	910054	WNK1	1.00E-07	+	909903	910054	0	1	151,	0	-6.99	-6.59	2.67	-0.401	-1.31
chr1	15848106	15874187	SPEN	6.80E-08	+	15848106	15874187	0	3	44,321,686,	0,24709,2539!	-7.17	-6.75	13.2	-0.402	-1.31
chr3	97942355	97943487	CRYBG3	2.50E-05	+	97942355	97943487	0	2	88,262,	0,870	-4.6	-3.49	4.14	-0.4	-1.31
chr15	44561492	44561790	EIF3J	0.00033	+	44561492	44561790	0	1	298,	0	-3.48	-3.33	2.31	-0.398	-1.31
chr1	1.48E+08	1.48E+08	BCL9	3.00E-08	+	1.48E+08	1.48E+08	0	3	655,261,282,0,1868,3439		-7.52	-7.05	3.94	-0.399	-1.31
chr19	37635116	37644450	ZFP30	1.00E-10	-	37635116	37644450	0	3	1189,99,55,	0,8148,9279	-10	-9.15	7.7	-0.399	-1.31
chr1	1.74E+08	1.74E+08	RC3H1	7.40E-10	-	1.74E+08	1.74E+08	0	2	198,152,	0,29158	-9.13	-8.43	3.43	-0.398	-1.31
chr3	51419909	51420660	DCAF1	1.10E-06	-	51419909	51420660	0	1	751,	0	-5.94	-5.64	4.71	-0.4	-1.31
chr7	55206039	55206638	EGFR	5.10E-09	+	55206039	55206638	0	1	599,	0	-8.29	-7.72	21.3	-0.399	-1.31
chrX	85270785	85271529	ZNF711	6.30E-08	+	85270785	85271529	0	1	744,	0	-7.2	-6.76	10.6	-0.399	-1.31
chr8	25412314	25412664	DOCK5	4.80E-07	+	25412314	25412664	0	1	350,	0	-6.32	-5.01	3.8	-0.402	-1.31
chr5	50794879	50795278	PARP8	1.30E-09	+	50794879	50795278	0	1	399,	0	-8.87	-8.21	9	-0.402	-1.31
chr3	57559735	57559836	PDE12	2.30E-09	+	57559735	57559836	0	1	101,	0	-8.64	-8.02	1.73	-0.4	-1.31
chr15	84643440	84643690	SCAND2P	3.70E-07	+	84643440	84643690	0	1	250,	0	-6.43	-6.08	6.4	-0.398	-1.31
chr3	49056864	49057761	QRICH1	5.00E-11	-	49056864	49057761	0	1	897,	0	-10.3	-9.41	4.81	-0.402	-1.31
chr12	1.04E+08	1.04E+08	C12orf73	1.70E-06	-	1.04E+08	1.04E+08	0	3	9,121,19,	0,1792,3030	-5.77	-5.48	2.22	-0.398	-1.31
chr3	9818991	9819340	TTL3	2.10E-06	+	9818991	9819340	0	1	349,	0	-5.67	-5.39	3.2	-0.398	-1.31
chr10	43644015	43644951	ZNF32-AS	4.50E-08	+	43644015	43644951	0	2	92,102,	0,834	-7.35	-6.9	2	-0.402	-1.31
chr7	66553812	66553962	AC006001	1.10E-09	-	66553812	66553962	0	1	150,	0	-8.96	-7.25	3.86	-0.401	-1.31
chr	chromStar	chromEnd	name	score	strand	thickStart	thickEnd	itemRgb	blockCount	blockSizes	blockStarts	lg.p	lg.fdr	fold_enrichment	diff.lg.fdr	diff.lg.p
chr22	50768196	50768297	RABL2B	0.0016	-	50768196	50768297	0	1	101,	0	-2.8	-1.85	3	-434	-434
chr5	1.14E+08	1.14E+08	KCNN2	0.0058	+	1.14E+08	1.14E+08	0	1	101,	0	-2.24	-1.33	2.27	-434	-434
chr19	45935126	45935226	NOVA2	0.0013	-	45935126	45935226	0	1	100,	0	-2.88	-1.92	2.4	-434	-434
chr6	34059924	34060025	GRM4	0.00032	-	34059924	34060025	0	1	101,	0	-3.49	-2.48	1.75	-434	-434
chr7	47277645	47277746	TNS3	0.00048	-	47277645	47277746	0	1	101,	0	-3.32	-2.33	2.75	-434	-434
chr7	47369317	47369418	TNS3	0.0015	-	47369317	47369418	0	1	101,	0	-2.83	-1.88	2	-434	-434
chr9	35853689	35853790	TMEM8B	0.00013	+	35853689	35853790	0	1	101,	0	-3.87	-2.83	2.25	-434	-434
chr14	46840986	46841086	MDGA2	9.10E-05	-	46840986	46841086	0	1	100,	0	-4.04	-2.99	1.71	-434	-434
chr14	46957508	46957609	MDGA2	0.00013	-	46957508	46957609	0	1	101,	0	-3.9	-2.86	2.2	-434	-434
chr14	47035124	47058669	MDGA2	0.00013	-	47035124	47058669	0	2	180,70,	0,23475	-3.9	-2.86	3	-434	-434
chr14	47061330	47061431	MDGA2	0.00051	-	47061330	47061431	0	1	101,	0	-3.29	-2.3	2.33	-434	-434
chr14	47674709	47674809	MDGA2	3.00E-06	-	47674709	47674809	0	1	100,	0	-5.52	-4.31	1.67	-434	-434
chr4	48488446	48488545	SLC10A4	4.70E-05	+	48488446	48488545	0	1	99,	0	-4.33	-3.24	2.5	-434	-434
chr10	53822608	53822709	PCDH15	0.00012	-	53822608	53822709	0	1	101,	0	-3.93	-3.76	3.75	-434	-434
chr8	30384560	30384761	RBPMS	8.50E-06	+	30384560	30384761	0	1	201,	0	-5.07	-4.83	3.1	-434	-434
chr2	50346868	50347718	NRXN1	7.20E-05	-	50346868	50347718	0	1	850,	0	-4.14	-3.96	6.05	-434	-434
chr17	44666416	44666816	MEIOC	4.90E-05	+	44666416	44666816	0	1	400,	0	-4.31	-3.23	4.14	-434	-434
chr17	44667063	44667164	MEIOC	4.90E-05	+	44667063	44667164	0	1	101,	0	-4.31	-3.23	1.71	-434	-434
chr3	18348868	18349567	SATB1	3.00E-07	-	18348868	18349567	0	1	699,	0	-6.53	-6.18	8.33	-434	-434
chr5	1.41E+08	1.41E+08	PCDHB13	0.00087	+	1.41E+08	1.41E+08	0	1	149,	0	-3.06	-2.09	1.78	-434	-434
chr8	26044912	26045113	EBF2	0.0016	-	26044912	26045113	0	1	201,	0	-2.79	-2.66	4.11	-434	-434
chr9	1.37E+08	1.37E+08	CCDC183-	0.0054	-	1.37E+08	1.37E+08	0	1	100,	0	-2.27	-1.36	1.67	-434	-434
chr1	16871792	16871943	BX284668.	3.10E-05	+	16871792	16871943	0	1	151,	0	-4.51	-3.41	2.4	-434	-434
chr22	28000132	28000233	TTC28-AS:	0.00028	+	28000132	28000233	0	1	101,	0	-3.55	-2.53	2.75	-434	-434



chr14	41587841	41587941	AL121821.	5.50E-08	-	41587841	41587941	0	1	100,	0	-7.26	-5.82	2.25	-434	-434
chr3	99805563	99805811	AC069222	3.50E-06	-	99805563	99805811	0	1	248,	0	-5.46	-4.25	3	-434	-434
chr1	1.57E+08	1.57E+08	GPATCH4	7.20E-10	-	1.57E+08	1.57E+08	0	1	1048,	0	-9.14	-8.44	2.74	-11.4	-14
chr11	65499084	65500830	MALAT1	4.40E-07	+	65499084	65500830	0	1	1746,	0	-6.36	-6.02	1.31	-11.1	-13.7
chr3	32891109	32891806	TRIM71	4.90E-08	+	32891109	32891806	0	1	697,	0	-7.31	-6.87	7.4	-9.45	-12.1
chr5	21752067	21752167	CDH12	0.0015	-	21752067	21752167	0	1	100,	0	-2.81	-1.86	2.75	-9.29	-11.9
chr15	54015168	54015818	UNC13C	5.50E-06	+	54015168	54015818	0	1	650,	0	-5.26	-5.01	3.27	-8.47	-11
chr5	15936714	15937311	FBXL7	0.00011	+	15936714	15937311	0	1	597,	0	-3.94	-3.77	14	-7.82	-10.4
chr11	62145049	62151883	INCENP	2.00E-12	+	62145049	62151883	0	8	42,121,123,20,119,579,160	0	-11.7	-10.5	2.83	-7.61	-10.2
chr2	48581553	48582103	STON1-G1	0.0019	+	48581553	48582103	0	1	550,	0	-2.72	-1.78	4.14	-7.35	-9.87
chr9	22005201	22006202	CDKN2B	5.00E-12	-	22005201	22006202	0	1	1001,	0	-11.3	-10.2	5.2	-7.24	-9.75
chr1	1.07E+08	1.07E+08	NTNG1	9.10E-05	+	1.07E+08	1.07E+08	0	1	400,	0	-4.04	-2.98	5.17	-7.22	-9.72
chr18	57477951	57478802	ONECUT2	4.20E-08	+	57477951	57478802	0	1	851,	0	-7.38	-6.93	10.4	-7.2	-9.69
chr22	29488851	29489250	NEFH	2.90E-07	+	29488851	29489250	0	1	399,	0	-6.54	-6.19	1.85	-6.22	-8.66
chr8	76852414	76852764	ZFHX4	0.0026	+	76852414	76852764	0	1	350,	0	-2.59	-2.46	3.77	-6.01	-8.44
chr10	33179735	33180285	NRP1	2.50E-06	-	33179735	33180285	0	1	550,	0	-5.61	-5.33	8.44	-5.79	-8.21
chr1	16873488	16874023	BX284668.	3.10E-05	+	16873488	16874023	0	2	19,331,	0,204	-4.51	-3.41	5	-5.43	-7.83
chr1	32485153	32485454	ZBTB8B	4.00E-12	+	32485153	32485454	0	1	301,	0	-11.4	-10.3	6.14	-5.41	-7.81
chr14	46841583	46841932	MDGA2	9.10E-05	-	46841583	46841932	0	1	349,	0	-4.04	-3.87	7.75	-5.26	-7.65
chr16	29816599	29819945	AC009133	2.30E-07	+	29816599	29819945	0	3	408,83,391,	0,610,2955	-6.63	-6.27	2.36	-5.23	-7.61
chr16	29816598	29819957	PAGR1	4.00E-13	+	29816598	29819957	0	3	409,83,403,	0,611,2956	-12.4	-11	2.51	-5.15	-7.52
chr19	46494856	46495256	AC011484	4.00E-04	+	46494856	46495256	0	1	400,	0	-3.4	-2.4	4	-5.06	-7.43
chr8	1.03E+08	1.03E+08	AP002852	3.00E-05	+	1.03E+08	1.03E+08	0	2	18,327,	0,473	-4.53	-4.33	11.1	-5.02	-7.39
chr1	62273810	62274110	KANK4	3.90E-06	-	62273810	62274110	0	1	300,	0	-5.41	-5.15	5.25	-4.98	-7.34
chr16	29900423	29901063	ASPHD1	6.60E-10	+	29900423	29901063	0	1	640,	0	-9.18	-8.47	3.08	-4.96	-7.32
chr15	82786991	82787391	FSD2	3.80E-05	-	82786991	82787391	0	1	400,	0	-4.42	-3.32	4.75	-4.88	-7.22
chr14	39179185	39180847	PNN	7.90E-15	+	39179185	39180847	0	3	61,139,345,	0,138,1317	-14.1	-12.3	1.63	-4.78	-7.1
chr8	17910019	17910365	FGL1	7.60E-10	-	17910019	17910365	0	1	346,	0	-9.12	-8.42	6.88	-4.76	-7.08
chr1	36328128	36329022	AL591845.	0.0056	+	36328128	36329022	0	1	894,	0	-2.25	-2.13	4.33	-4.75	-7.06
chr1	8026787	8027236	AL034417.	0.00021	+	8026787	8027236	0	1	449,	0	-3.68	-3.52	3.67	-4.67	-6.97
chr4	1.84E+08	1.84E+08	ING2	6.30E-15	+	1.84E+08	1.84E+08	0	1	699,	0	-14.2	-12.4	7.61	-4.49	-6.77
chr14	73103178	73107337	RBM25	6.30E-12	+	73103178	73107337	0	4	300,223,90,30,2680,3017,4	0	-11.2	-10.1	1.67	-4.47	-6.75
chr2	99337420	99364393	EIF5B	6.30E-13	+	99337420	99364393	0	6	169,126,85,60,22815,2304	0	-12.2	-10.8	3.75	-4.39	-6.66
chrX	1.04E+08	1.04E+08	TCEAL3	0.0087	+	1.04E+08	1.04E+08	0	2	60,480,	0,424	-2.06	-1.95	5.53	-4.36	-6.63
chr17	3669281	3669572	EMC6	6.00E-06	+	3669281	3669572	0	1	291,	0	-5.22	-4.97	2.23	-4.28	-6.54
chr4	4274386	4279665	LYAR	1.20E-06	-	4274386	4279665	0	3	383,84,24,	0,5060,5255	-5.91	-5.61	3.21	-4.25	-6.51
chr3	18394562	18394813	SATB1	3.30E-05	-	18394562	18394813	0	1	251,	0	-4.48	-4.28	4.25	-4.08	-6.3
chr5	1.16E+08	1.16E+08	SEMA6A	1.40E-06	-	1.16E+08	1.16E+08	0	1	648,	0	-5.84	-4.59	3.43	-4.07	-6.29
chr6	30743594	30744138	IER3	7.80E-05	-	30743594	30744138	0	1	544,	0	-4.11	-3.93	2.83	-4.03	-6.25
chr11	83459550	83459750	DLG2	0.00013	-	83459550	83459750	0	1	200,	0	-3.88	-2.84	3.38	-3.93	-6.15
chr17	16471752	16472400	SNHG29	2.20E-05	+	16471752	16472400	0	1	648,	0	-4.66	-4.45	12	-3.93	-6.14
chr17	3669227	3669575	P2RX5-TA	1.90E-07	-	3669227	3669575	0	1	348,	0	-6.71	-6.34	2.26	-3.91	-6.11
chr18	57483000	57483200	ONECUT2	3.10E-05	+	57483000	57483200	0	1	200,	0	-4.51	-4.31	7.88	-3.85	-6.05
chr10	1.28E+08	1.28E+08	MKI67	4.70E-10	-	1.28E+08	1.28E+08	0	1	3349,	0	-9.33	-8.6	4.79	-3.84	-6.04
chr4	1.24E+08	1.24E+08	LINC01091	6.50E-07	+	1.24E+08	1.24E+08	0	1	350,	0	-6.19	-5.87	7.7	-3.79	-5.98
chr14	47675007	47675307	MDGA2	3.00E-06	-	47675007	47675307	0	1	300,	0	-5.52	-4.31	3.88	-3.79	-5.97
chr5	1.16E+08	1.16E+08	SEMA6A	1.40E-06	-	1.16E+08	1.16E+08	0	1	201,	0	-5.84	-4.59	3.57	-3.63	-5.81
chr8	1.45E+08	1.45E+08	ZNF517	3.10E-05	+	1.45E+08	1.45E+08	0	1	398,	0	-4.51	-3.4	4.4	-3.61	-5.79
chr2	2.41E+08	2.41E+08	HDLBP	3.60E-07	-	2.41E+08	2.41E+08	0	1	350,	0	-6.44	-6.09	5.2	-3.59	-5.76
chr12	2690917	2691167	CACNA1C	0.0019	+	2690917	2691167	0	1	250,	0	-2.72	-2.59	7.5	-3.59	-5.76
chr8	76863645	76863945	ZFHX4	0.001	+	76863645	76863945	0	1	300,	0	-3	-2.86	7.71	-3.57	-5.74

chr6	32096695	32097195	TNXB	8.10E-07	-	32096695	32097195	0	1	500,	0	-6.09	-4.8	8.75	-3.55	-5.71
chr1	2.28E+08	2.28E+08	C1orf35	0.00014	-	2.28E+08	2.28E+08	0	1	644,	0	-3.84	-3.67	11	-3.49	-5.65
chr4	1.14E+08	1.14E+08	CAMK2D	1.90E-06	-	1.14E+08	1.14E+08	0	1	300,	0	-5.71	-4.47	2.57	-3.48	-5.63
chr20	4699280	4699821	PRNP	9.30E-10	+	4699280	4699821	0	1	541,	0	-9.03	-8.34	3.47	-3.45	-5.6
chr9	33386163	33386987	AQP7	4.40E-05	-	33386163	33386987	0	2	378,19,	0,805	-4.36	-4.17	3.75	-3.37	-5.51
chr12	19439567	19440622	AEBP2	1.30E-12	+	19439567	19440622	0	2	803,42,	0,1013	-11.9	-10.6	3.36	-3.33	-5.47
chr6	30743548	30744148	IER3	1.80E-06	-	30743548	30744148	0	1	600,	0	-5.74	-5.46	3	-3.23	-5.36
chr1	1.61E+08	1.61E+08	ARHGAP30	0.00024	-	1.61E+08	1.61E+08	0	1	696,	0	-3.62	-3.47	4.33	-3.23	-5.36
chr19	5080810	5080960	KDM4B	0.00078	+	5080810	5080960	0	1	150,	0	-3.11	-2.14	2.9	-3.22	-5.34
chr9	1.37E+08	1.37E+08	CCDC183-	0.0011	-	1.37E+08	1.37E+08	0	2	177,23,	0,1701	-2.96	-2.83	5.67	-3.21	-5.33
chr2	1.7E+08	1.7E+08	PPIG	1.60E-13	+	1.7E+08	1.7E+08	0	2	81,1114,	0,252	-12.8	-11.3	3.55	-3.18	-5.3
chr19	47679366	47679864	BICRA	3.40E-05	+	47679366	47679864	0	1	498,	0	-4.47	-3.37	3.14	-3.17	-5.28
chr11	65890848	65891635	CCDC85B	2.00E-31	+	65890848	65891635	0	1	787,	0	-30.7	-28	5.75	-3.17	-5.27
chr2	2.38E+08	2.38E+08	ESPNL	9.50E-05	+	2.38E+08	2.38E+08	0	1	300,	0	-4.02	-2.96	4.43	-3.15	-5.24
chr10	1.19E+08	1.19E+08	EIF3A	6.30E-14	-	1.19E+08	1.19E+08	0	7	159,202,779,0,1087,4843,6		-13.2	-11.6	2.16	-3.14	-5.23
chr6	32095648	32096048	TNXB	8.10E-07	-	32095648	32096048	0	1	400,	0	-6.09	-4.8	4.4	-3.14	-5.23
chr4	1.19E+08	1.19E+08	SYNPO2	2.60E-06	+	1.19E+08	1.19E+08	0	1	801,	0	-5.59	-5.32	7	-3.08	-5.16
chr1	2.02E+08	2.02E+08	TIMM17A	7.90E-12	+	2.02E+08	2.02E+08	0	2	38,407,	0,3963	-11.1	-10	3.26	-3.08	-5.15
chrX	1.2E+08	1.2E+08	SOWAHD	2.60E-05	+	1.2E+08	1.2E+08	0	1	441,	0	-4.59	-3.48	6.25	-3.02	-5.09
chr2	2.38E+08	2.38E+08	ESPNL	9.50E-05	+	2.38E+08	2.38E+08	0	1	499,	0	-4.02	-3.85	7	-3.02	-5.08
chr18	67513111	67513312	DSEL	0.0016	-	67513111	67513312	0	1	201,	0	-2.8	-2.67	5.22	-3	-5.06
chr8	76866686	76866886	ZFHX4	0.0038	+	76866686	76866886	0	1	200,	0	-2.42	-1.49	5.29	-2.99	-5.05
chr1	1.46E+08	1.46E+08	LINC01719	7.90E-06	+	1.46E+08	1.46E+08	0	1	199,	0	-5.1	-3.93	3.75	-2.99	-5.04
chr4	4689968	4690169	STX18-AS1	0.0038	+	4689968	4690169	0	1	201,	0	-2.42	-1.5	8.25	-2.99	-5.04
chr2	1.65E+08	1.65E+08	AC019197	4.50E-06	+	1.65E+08	1.65E+08	0	1	349,	0	-5.35	-4.16	3.33	-2.98	-5.03
chr19	13207040	13207341	CACNA1A	8.50E-06	-	13207040	13207341	0	1	301,	0	-5.07	-4.84	6.6	-2.97	-5.02
chr1	27967148	27967448	XKR8	0.001	+	27967148	27967448	0	1	300,	0	-3	-2.04	4.29	-2.93	-4.95
chr19	36489747	36490295	ACO92295	3.60E-05	+	36489747	36490295	0	1	548,	0	-4.44	-4.24	7.13	-2.93	-4.95
chr19	44662813	44663563	PVR	9.50E-09	+	44662813	44663563	0	1	750,	0	-8.02	-7.49	3.54	-2.91	-4.93
chr18	57476601	57476852	ONECUT2	4.80E-05	+	57476601	57476852	0	1	251,	0	-4.32	-3.24	5	-2.89	-4.91
chr2	69937281	69938480	MXD1	1.30E-05	+	69937281	69938480	0	2	113,384,	0,815	-4.88	-4.66	5.06	-2.85	-4.85
chr15	64157231	64157382	SNX22	4.50E-05	+	64157231	64157382	0	1	151,	0	-4.35	-3.27	4	-2.84	-4.84
chr1	10638500	10639500	CASZ1	7.90E-06	-	10638500	10639500	0	1	1000,	0	-5.1	-4.86	5	-2.82	-4.82
chr2	2.41E+08	2.41E+08	HDLBP	8.50E-05	-	2.41E+08	2.41E+08	0	1	350,	0	-4.07	-3.9	7	-2.77	-4.75
chr8	76705949	76706299	ZFHX4	0.00043	+	76705949	76706299	0	1	350,	0	-3.37	-2.37	4	-2.73	-4.71
chr2	2.41E+08	2.41E+08	HDLBP	8.50E-05	-	2.41E+08	2.41E+08	0	1	150,	0	-4.07	-3.01	2.75	-2.71	-4.69
chr3	10141800	10142098	VHL	3.10E-10	+	10141800	10142098	0	1	298,	0	-9.51	-8.73	2.88	-2.7	-4.67
chr12	89542085	89542385	PLOC1B-AS1	4.30E-07	+	89542085	89542385	0	1	300,	0	-6.37	-6.03	7.25	-2.66	-4.63
chr6	1.11E+08	1.11E+08	CDK19	6.90E-09	-	1.11E+08	1.11E+08	0	2	271,429,	0,1155	-8.16	-7.61	4.96	-2.64	-4.61
chr13	45391389	45391789	TPT1-AS1	0.00044	+	45391389	45391789	0	1	400,	0	-3.36	-3.21	8.2	-2.64	-4.61
chr19	12247745	12248094	ZNF44	0.00036	-	12247745	12248094	0	1	349,	0	-3.44	-2.43	4.25	-2.64	-4.6
chr16	650145	650558	WDR90	0.0046	+	650145	650558	0	3	22,109,20,	0,108,393	-2.34	-1.42	5.8	-2.63	-4.59
chr17	32041232	32041532	SH3GL1P1	1.00E-04	+	32041232	32041532	0	1	300,	0	-3.98	-2.93	4	-2.63	-4.59
chr19	35902358	35902957	AD000864	0.00013	-	35902358	35902957	0	1	599,	0	-3.9	-3.74	2.8	-2.63	-4.59
chr1	2.28E+08	2.28E+08	OBSCN	1.70E-05	+	2.28E+08	2.28E+08	0	4	219,264,264,0,498,3771,43		-4.76	-4.55	5.44	-2.61	-4.56
chr11	1.26E+08	1.26E+08	CDON	1.00E-04	-	1.26E+08	1.26E+08	0	1	200,	0	-4	-2.95	3.33	-2.59	-4.54
chr11	86808261	86808762	PRSS23	6.20E-10	+	86808261	86808762	0	1	501,	0	-9.21	-8.5	7	-2.59	-4.54
chr17	61353751	61354350	BCAS3	8.50E-07	+	61353751	61354350	0	1	599,	0	-6.07	-5.76	7.5	-2.58	-4.52
chr1	32240744	32241620	MTMR9LP	2.80E-09	+	32240744	32241620	0	2	158,484,	0,392	-8.55	-7.94	9.14	-2.58	-4.52
chr8	76851218	76851518	ZFHX4	0.00022	-	76851218	76851518	0	1	300,	0	-3.65	-2.63	6	-2.53	-4.46
chr15	64154448	64154648	SNX22	0.00037	+	64154448	64154648	0	1	200,	0	-3.43	-2.43	4.25	-2.53	-4.46

chr20	64100038	64100287	AL121581.	1.20E-07	-	64100038	64100287	0	1	249,	0	-6.93	-5.54	6	-2.53	-4.46
chr4	65601905	65670445	EPHA5	1.90E-09	-	65601905	65670445	0	3	399,65,884,	0,41457,67651	-8.71	-8.08	6.64	-2.51	-4.43
chr19	48195045	48196729	ZSWIM9	2.80E-09	+	48195045	48196729	0	1	1684,	0	-8.55	-7.95	6.55	-2.5	-4.42
chr20	64098895	64099145	AL121581.	1.20E-07	-	64098895	64099145	0	1	250,	0	-6.93	-5.54	6.33	-2.49	-4.4
chr19	58009337	58009687	AC008969.	0.00036	+	58009337	58009687	0	1	350,	0	-3.44	-2.44	7.5	-2.48	-4.39
chr10	17229327	17229676	VIM	7.40E-06	+	17229327	17229676	0	1	349,	0	-5.13	-4.89	1.37	-2.44	-4.35
chr16	16155237	16155637	ABCC6	4.30E-07	-	16155237	16155637	0	1	400,	0	-6.37	-6.03	10.1	-2.44	-4.35
chr12	2691000	2691150	CACNA1C	9.50E-07	-	2691000	2691150	0	1	150,	0	-6.02	-4.75	8	-2.42	-4.33
chr6	32096147	32096547	TNXB	8.10E-07	-	32096147	32096547	0	1	400,	0	-6.09	-4.8	7.5	-2.4	-4.31
chr22	37182313	37182664	C1QTNF6	1.30E-05	-	37182313	37182664	0	1	351,	0	-4.9	-4.67	4.25	-2.39	-4.3
chr7	44068656	44069206	DBNL	0.00011	+	44068656	44069206	0	1	550,	0	-3.94	-3.77	9.5	-2.4	-4.3
chr14	1.02E+08	1.02E+08	TECFR	0.00025	+	1.02E+08	1.02E+08	0	1	250,	0	-3.61	-2.59	4.2	-2.39	-4.3
chr17	36950249	36953178	AATF	2.60E-10	+	36950249	36953178	0	2	156,293,	0,2636	-9.59	-8.8	1.9	-2.39	-4.29
chr1	45206182	45303953	ZSWIM5	6.20E-05	-	45206182	45303953	0	2	423,27,	0,97744	-4.21	-4.03	4.83	-2.35	-4.25
chr2	2.02E+08	2.02E+08	NOP58	3.90E-10	+	2.02E+08	2.02E+08	0	2	34,115,	0,2587	-9.41	-8.65	1.57	-2.35	-4.24
chr22	29313031	29313478	RASL10A	0.00011	-	29313031	29313478	0	1	447,	0	-3.94	-3.77	9	-2.34	-4.23
chrX	55487288	55487537	USP51	2.00E-06	-	55487288	55487537	0	1	249,	0	-5.69	-4.45	5.29	-2.32	-4.21
chr15	99883734	99901453	AC090825.	7.10E-06	+	99883734	99901453	0	2	192,58,	0,17661	-5.15	-3.98	8	-2.3	-4.18
chr2	2.41E+08	2.41E+08	HDLBP	8.50E-05	-	2.41E+08	2.41E+08	0	1	200,	0	-4.07	-3.9	2.78	-2.26	-4.14
chr2	2.06E+08	2.06E+08	NRP2	3.00E-04	+	2.06E+08	2.06E+08	0	1	251,	0	-3.52	-2.51	9.25	-2.25	-4.13
chr16	89498786	89499037	SPG7	0.00059	+	89498786	89499037	0	1	251,	0	-3.23	-2.25	4.25	-2.21	-4.08
chr13	51462188	51462389	INTS6-AS1	0.00027	+	51462188	51462389	0	1	201,	0	-3.57	-2.56	6	-2.21	-4.08
chr21	43982356	43982756	AGPAT3	5.00E-05	+	43982356	43982756	0	1	400,	0	-4.3	-4.11	8.89	-2.19	-4.05
chr19	46391155	46392782	PPP5C	3.20E-06	+	46391155	46392782	0	2	103,146,	0,1481	-5.49	-4.27	2.6	-2.17	-4.02
chr10	17229397	17229691	VIM-AS1	2.50E-13	-	17229397	17229691	0	1	294,	0	-12.6	-11.2	1.47	-2.15	-4
chr21	44456900	44457900	LRRC3	3.50E-07	+	44456900	44457900	0	1	1000,	0	-6.45	-6.1	8.17	-2.13	-3.97
chr2	2.16E+08	2.16E+08	TMEM169	4.40E-05	+	2.16E+08	2.16E+08	0	2	118,181,	0,3803	-4.36	-3.27	3.75	-2.13	-3.97
chr8	1.07E+08	1.07E+08	OXR1	1.60E-07	+	1.07E+08	1.07E+08	0	1	599,	0	-6.8	-6.42	9.14	-2.1	-3.94
chr2	10039876	10040221	AC104794.	3.00E-10	-	10039876	10040221	0	1	345,	0	-9.53	-8.75	6.5	-2.1	-3.94
chr20	30281754	30281955	LINC01597	0.00022	-	30281754	30281955	0	1	201,	0	-3.66	-2.64	3	-2.1	-3.93
chr4	10091634	10091984	WDR1	6.30E-05	-	10091634	10091984	0	1	350,	0	-4.2	-4.02	4.83	-2.08	-3.91
chr4	4587972	4588122	STX18-AS:	0.0022	+	4587972	4588122	0	1	150,	0	-2.66	-1.72	3.75	-2.08	-3.91
chr2	2.41E+08	2.41E+08	HDLBP	1.20E-05	-	2.41E+08	2.41E+08	0	2	3,98,	0,2479	-4.93	-4.71	2.5	-2.07	-3.9
chr2	48582302	48582503	STON1-G1	0.001	+	48582302	48582503	0	1	201,	0	-3	-2.86	5.43	-2.07	-3.89
chr1	2.03E+08	2.03E+08	AC098934.	0.0036	-	2.03E+08	2.03E+08	0	1	198,	0	-2.44	-1.52	3.25	-2.07	-3.89
chr18	57735349	57737860	ACO27097.	5.80E-06	+	57735349	57737860	0	3	243,56,99,	0,1686,2412	-5.24	-4.05	5.4	-2.06	-3.88
chr16	11316534	11317029	RMI2	7.90E-07	+	11316534	11317029	0	1	495,	0	-6.1	-5.78	7.14	-2.06	-3.87
chr5	77147783	77148084	ZBED3-AS	2.50E-06	+	77147783	77148084	0	1	301,	0	-5.61	-5.34	6.67	-2.06	-3.87
chr2	2.41E+08	2.41E+08	HDLBP	8.50E-05	-	2.41E+08	2.41E+08	0	1	200,	0	-4.07	-3.01	2.44	-2.05	-3.86
chr2	3643800	3644099	COLEC11	2.90E-06	+	3643800	3644099	0	1	299,	0	-5.54	-5.27	4	-2.05	-3.86
chr9	96888671	96889172	MFSD14C	2.10E-06	-	96888671	96889172	0	1	501,	0	-5.67	-4.44	5	-2.05	-3.86
chr8	80976587	80976787	PAG1	4.70E-07	-	80976587	80976787	0	1	200,	0	-6.33	-5.02	5.5	-2.03	-3.84
chr2	1.09E+08	1.09E+08	RANBP2	5.60E-08	+	1.09E+08	1.09E+08	0	1	551,	0	-7.25	-6.81	2.86	-2.03	-3.84
chr7	1058313	1058663	GPR146	0.00095	+	1058313	1058663	0	1	350,	0	-3.02	-2.88	6.86	-2.02	-3.83
chr12	94570153	94570452	TMCC3	0.00028	-	94570153	94570452	0	1	299,	0	-3.55	-3.4	6.2	-2.02	-3.82
chr20	1181384	1181634	PSMF1	1.00E-05	+	1181384	1181634	0	1	250,	0	-4.98	-3.83	4	-1.98	-3.79
chr6	34059024	34059225	GRM4	0.00032	-	34059024	34059225	0	1	201,	0	-3.49	-2.48	3	-1.96	-3.75
chr22	23124634	23124933	GNAZ	2.80E-06	+	23124634	23124933	0	1	299,	0	-5.55	-5.28	8.5	-1.96	-3.75
chr15	69403647	69403847	PAQR5	1.20E-06	+	69403647	69403847	0	1	200,	0	-5.91	-4.65	4.4	-1.96	-3.75
chr1	1064516	1065377	AL390719.	0.0019	+	1064516	1065377	0	2	73,26,	0,835	-2.71	-2.58	5.89	-1.93	-3.72
chr8	80985094	80985294	PAG1	4.70E-07	-	80985094	80985294	0	1	200,	0	-6.33	-5.02	3.5	-1.92	-3.71

chr8	66429553	66430537	RRS1	5.90E-09	+	66429553	66430537	0	1	984,	0	-8.23	-7.67	8.87	-1.91	-3.7
chr14	47675405	47675605	MDGA2	3.00E-06	-	47675405	47675605	0	1	200,	0	-5.52	-4.31	3	-1.91	-3.69
chrX	73851574	73852324	XIST	1.10E-10	-	73851574	73852324	0	1	750,	0	-9.96	-9.1	2.83	-1.89	-3.67
chr18	76559533	76559783	LINC00683	0.0013	+	76559533	76559783	0	1	250,	0	-2.9	-2.76	6.71	-1.89	-3.67
chr7	1.01E+08	1.01E+08	SRRT	2.60E-08	+	1.01E+08	1.01E+08	0	4	63,185,99,500,191,563,746	0	-7.59	-7.11	1.62	-1.89	-3.66
chr11	14643853	14644253	PDE3B	3.30E-09	+	14643853	14644253	0	1	400,	0	-8.48	-7.88	3.36	-1.89	-3.66
chr4	80201493	80202434	PRDM8	5.00E-08	+	80201493	80202434	0	2	28,521,	0,420	-7.3	-6.86	6	-1.89	-3.66
chr11	1.05E+08	1.05E+08	LINC02552	0.00083	-	1.05E+08	1.05E+08	0	1	151,	0	-3.08	-2.11	5	-1.89	-3.66
chr2	2.41E+08	2.41E+08	HDLBP	1.20E-05	-	2.41E+08	2.41E+08	0	1	200,	0	-4.93	-4.71	3	-1.88	-3.65
chr14	73718367	73719017	ELMSAN1	6.30E-10	-	73718367	73719017	0	1	650,	0	-9.2	-8.49	6.47	-1.87	-3.64
chr19	32675855	32677402	RGS9BP	3.00E-10	+	32675855	32677402	0	1	1547,	0	-9.52	-8.74	10.4	-1.87	-3.64
chr1	27958860	27959108	SMPDL3B	0.00098	+	27958860	27959108	0	1	248,	0	-3.01	-2.88	9.8	-1.87	-3.63
chr15	53978650	53978851	UNC13C	5.50E-06	+	53978650	53978851	0	1	201,	0	-5.26	-5.01	3.4	-1.87	-3.63
chr12	53995335	53995631	HOXC-AS2	0.00015	-	53995335	53995631	0	1	296,	0	-3.83	-3.67	4.18	-1.87	-3.63
chr2	10449088	10449438	ODC1-DT	3.30E-06	+	10449088	10449438	0	1	350,	0	-5.48	-5.22	5	-1.87	-3.63
chr1	1.55E+08	1.55E+08	KCNN3	2.00E-05	-	1.55E+08	1.55E+08	0	1	301,	0	-4.7	-3.58	2.8	-1.86	-3.61
chr16	88686781	88687080	SNAI3-AS1	0.00024	+	88686781	88687080	0	1	299,	0	-3.62	-2.6	4	-1.85	-3.61
chr17	35844130	35846925	TAF15	1.00E-11	+	35844130	35846925	0	4	28,89,562,200,149,346,277	0	-11	-9.95	1.37	-1.86	-3.61
chrX	55488229	55488477	USP51	2.00E-06	+	55488229	55488477	0	1	248,	0	-5.69	-5.41	2.75	-1.84	-3.6
chr1	19258751	19259047	MRTO4	2.80E-09	+	19258751	19259047	0	1	296,	0	-8.55	-7.95	2.97	-1.82	-3.57
chr19	48712923	48713923	MAMSTR	1.10E-05	-	48712923	48713923	0	3	627,55,64,	0,792,936	-4.94	-4.72	6.7	-1.82	-3.56
chr20	3471067	3471167	ATRN	3.50E-05	+	3471067	3471167	0	1	100,	0	-4.45	-4.25	1.41	-1.81	-3.55
chr12	1.2E+08	1.2E+08	DYNLL1	2.00E-11	+	1.2E+08	1.2E+08	0	1	150,	0	-10.7	-9.68	1.74	-1.82	-3.55
chrX	74069808	74070009	JPX	0.0043	+	74069808	74070009	0	1	201,	0	-2.37	-1.45	3.6	-1.81	-3.55
chr21	14966332	14967282	NRIP1	1.20E-07	-	14966332	14967282	0	1	950,	0	-6.91	-6.52	4.62	-1.81	-3.54
chr9	1.3E+08	1.3E+08	LINC00963	0.00033	+	1.3E+08	1.3E+08	0	1	350,	0	-3.48	-2.48	4.75	-1.81	-3.54
chr5	15928219	15936516	FBXL7	0.00011	+	15928219	15936516	0	2	282,67,	0,8230	-3.94	-2.9	2.33	-1.8	-3.53
chr7	1.57E+08	1.57E+08	NOM1	1.90E-10	+	1.57E+08	1.57E+08	0	2	713,37,	0,2462	-9.71	-8.9	2.63	-1.8	-3.52
chr6	52405334	52405535	PAQR8	1.10E-05	+	52405334	52405535	0	1	201,	0	-4.95	-3.8	4.25	-1.79	-3.52
chr1	1.01E+08	1.01E+08	S1PR1	7.10E-06	+	1.01E+08	1.01E+08	0	1	250,	0	-5.15	-3.98	4	-1.79	-3.51
chr18	57738107	57738306	ACO27097	5.80E-06	+	57738107	57738306	0	1	199,	0	-5.24	-4.05	5	-1.79	-3.51
chr2	1.12E+08	1.12E+08	FBLN7	0.00022	+	1.12E+08	1.12E+08	0	1	350,	0	-3.66	-3.5	5	-1.78	-3.5
chrX	74161208	74161551	MKRN5P	4.20E-05	-	74161208	74161551	0	1	343,	0	-4.38	-4.19	6.57	-1.78	-3.5
chr10	87862739	87863138	KLLN	0.00011	-	87862739	87863138	0	1	399,	0	-3.97	-2.92	4.5	-1.78	-3.5
chr2	1.03E+08	1.03E+08	SLC9A2	0.00019	+	1.03E+08	1.03E+08	0	1	351,	0	-3.73	-3.57	4.75	-1.78	-3.49
chr18	62979338	62979538	PHLPP1	3.00E-08	+	62979338	62979538	0	1	200,	0	-7.52	-7.05	5.8	-1.77	-3.48
chr2	1.31E+08	1.31E+08	ARHGEF4	0.00034	+	1.31E+08	1.31E+08	0	1	200,	0	-3.47	-2.46	8.25	-1.76	-3.47
chr11	61796738	61797088	FEN1	1.00E-06	+	61796738	61797088	0	1	350,	0	-5.99	-5.68	3.19	-1.76	-3.47
chr19	34481987	34482187	WTIP	1.00E-05	+	34481987	34482187	0	1	200,	0	-4.98	-4.75	2.03	-1.75	-3.46
chr10	1.01E+08	1.01E+08	PDZD7	0.0026	-	1.01E+08	1.01E+08	0	1	249,	0	-2.59	-1.65	3.11	-1.72	-3.42
chr2	1.01E+08	1.01E+08	RPL31	0.00037	+	1.01E+08	1.01E+08	0	1	101,	0	-3.43	-3.28	1.6	-1.71	-3.41
chr1	15409937	15410087	EFHD2	7.20E-06	+	15409937	15410087	0	1	150,	0	-5.14	-4.9	2.03	-1.7	-3.4
chr6	26215702	26216099	HIST1H2BC	4.00E-05	-	26215702	26216099	0	1	397,	0	-4.4	-4.21	3.27	-1.7	-3.4
chr11	85685944	85686145	CCDC89	1.60E-18	-	85685944	85686145	0	1	201,	0	-17.8	-14.5	6.6	-1.69	-3.39
chr9	33038819	33038919	DNAJA1	8.50E-05	+	33038819	33038919	0	1	100,	0	-4.07	-3.89	1.55	-1.69	-3.38
chr8	1.03E+08	1.03E+08	AZIN1	2.90E-09	-	1.03E+08	1.03E+08	0	2	271,29,	0,8354	-8.54	-7.94	8.83	-1.69	-3.38
chr11	14891288	14891636	CYP2R1	1.70E-06	-	14891288	14891636	0	1	348,	0	-5.78	-4.53	5	-1.69	-3.38
chr12	9695330	9695927	CLEC2D	2.20E-07	+	9695330	9695927	0	1	597,	0	-6.65	-6.28	10.5	-1.68	-3.37
chr5	1.8E+08	1.8E+08	MRNIP	4.40E-09	-	1.8E+08	1.8E+08	0	1	349,	0	-8.36	-7.78	3	-1.68	-3.37
chr10	78049164	78054819	RPS24	8.70E-07	+	78049164	78054819	0	2	61,289,	0,5366	-6.06	-5.74	7.5	-1.66	-3.33
chr11	78218330	78218879	GAB2	8.90E-05	-	78218330	78218879	0	1	549,	0	-4.05	-3.87	8.62	-1.65	-3.32

chr19	58573500	58574199	MZF1-AS1	2.80E-06	+	58573500	58574199	0	1	699,	0	-5.55	-5.28	7.88	-1.64	-3.31
chr20	63746800	63747299	ZBTB46	0.0015	-	63746800	63747299	0	1	499,	0	-2.81	-2.68	4.11	-1.63	-3.3
chr1	2.24E+08	2.24E+08	WDR26	7.20E-10	-	2.24E+08	2.24E+08	0	1	201,	0	-9.14	-8.44	2.61	-1.63	-3.3
chr2	99150537	99150888	C2orf15	8.70E-07	+	99150537	99150888	0	1	351,	0	-6.06	-5.74	5.42	-1.63	-3.3
chr6	1.59E+08	1.59E+08	EZR	1.30E-05	-	1.59E+08	1.59E+08	0	2	127,124,	0,476	-4.88	-4.66	1.34	-1.62	-3.29
chr3	46903599	46903749	PTH1R	8.50E-07	+	46903599	46903749	0	1	150,	0	-6.07	-5.75	15	-1.59	-3.25
chr1	93847369	93847566	AL049796.	0.00017	+	93847369	93847566	0	1	197,	0	-3.76	-2.73	3.25	-1.59	-3.25
chr10	79826192	79826728	AL135925.	1.50E-05	+	79826192	79826728	0	1	536,	0	-4.83	-4.61	3.63	-1.59	-3.25
chr9	33817607	33817757	UBE2R2	2.40E-07	+	33817607	33817757	0	1	150,	0	-6.62	-6.26	1.23	-1.58	-3.24
chr4	80202832	80203282	PRDM8	5.00E-08	+	80202832	80203282	0	1	450,	0	-7.3	-5.85	7.8	-1.58	-3.24
chr17	2593731	2593931	PAFAH1B1	4.30E-07	+	2593731	2593931	0	1	200,	0	-6.37	-6.03	2.59	-1.58	-3.23
chr17	39765799	39766249	IKZF3	9.50E-05	-	39765799	39766249	0	1	450,	0	-4.02	-2.96	3.4	-1.58	-3.23
chr2	11640441	11640741	GREB1	7.40E-05	+	11640441	11640741	0	1	300,	0	-4.13	-3.95	6	-1.58	-3.23
chr18	31068005	31068156	DSC2	1.10E-09	-	31068005	31068156	0	1	151,	0	-8.94	-8.27	3.9	-1.57	-3.22
chr7	45716681	45717380	ADCY1	4.90E-08	+	45716681	45717380	0	1	699,	0	-7.31	-6.86	8.57	-1.57	-3.22
chr9	2655511	2655712	VLDLR	1.80E-06	+	2655511	2655712	0	1	201,	0	-5.74	-4.5	3.67	-1.54	-3.18
chr2	1.53E+08	1.53E+08	ARL6IP6	5.60E-06	+	1.53E+08	1.53E+08	0	1	151,	0	-5.25	-5	2.67	-1.54	-3.18
chr2	2.41E+08	2.41E+08	HDLBP	8.30E-06	-	2.41E+08	2.41E+08	0	1	151,	0	-5.08	-4.85	3	-1.53	-3.17
chr18	77016393	77017446	MBP	1.20E-09	-	77016393	77017446	0	2	875,24,	0,1029	-8.93	-8.26	7	-1.53	-3.17
chr5	32074175	32074325	PDZD2	0.00039	+	32074175	32074325	0	1	150,	0	-3.41	-2.41	5.6	-1.53	-3.16
chr20	41029450	41084555	TOP1	1.90E-10	+	41029450	41084555	0	7	5,97,124,56,	0,31943,4672	-9.72	-8.91	2.22	-1.53	-3.16
chr2	48580755	48580905	STON1-G1	1.40E-05	+	48580755	48580905	0	1	150,	0	-4.86	-4.64	5.78	-1.52	-3.15
chr17	40342205	40342355	RARA-AS1	1.80E-06	-	40342205	40342355	0	1	150,	0	-5.74	-4.5	2.08	-1.52	-3.15
chr22	29489647	29491042	NEFH	7.80E-07	+	29489647	29491042	0	1	1395,	0	-6.11	-5.79	4.76	-1.51	-3.14
chrX	54173927	54182831	FAM120C	1.90E-08	-	54173927	54182831	0	2	219,332,	0,8572	-6.73	-6.22	3.1	-1.51	-3.14
chr3	1.3E+08	1.3E+08	LINC02021	0.00068	+	1.3E+08	1.3E+08	0	1	199,	0	-3.17	-3.03	9.43	-1.5	-3.13
chr15	90271260	90272158	AC091167.	5.00E-15	+	90271260	90272158	0	1	898,	0	-14.3	-12.5	4.29	-1.5	-3.13
chr19	57958532	57961399	C19orf18	2.00E-14	-	57958532	57961399	0	2	185,9,	0,2858	-13.7	-11	5.83	-1.5	-3.12
chr10	79826243	79826594	NUTM2B-	3.30E-10	-	79826243	79826594	0	1	351,	0	-9.48	-8.71	3.5	-1.5	-3.12
chr6	10529388	10529837	GCNT2	5.00E-07	+	10529388	10529837	0	1	449,	0	-6.3	-5.97	5.17	-1.48	-3.1
chr4	80286434	80286685	FGF5	3.00E-06	+	80286434	80286685	0	1	251,	0	-5.52	-4.3	4	-1.48	-3.1
chr22	36266835	36267084	APOL1	1.40E-05	+	36266835	36267084	0	1	249,	0	-4.86	-4.64	2.72	-1.47	-3.09
chr19	48868267	48868617	PLEKHA4	1.30E-25	-	48868267	48868617	0	1	350,	0	-24.9	-22.4	3.59	-1.47	-3.09
chr4	1.55E+08	1.55E+08	MAP9	2.80E-05	-	1.55E+08	1.55E+08	0	2	126,124,	0,247	-4.56	-4.35	3.5	-1.47	-3.09
chr18	62717131	62717232	PHLPP1	9.50E-10	+	62717131	62717232	0	1	101,	0	-9.02	-8.34	4.33	-1.47	-3.08
chr3	84959030	84959231	CADM2	1.00E-07	+	84959030	84959231	0	1	201,	0	-7	-5.6	2.5	-1.46	-3.08
chr1	1.84E+08	1.84E+08	TSEN15	3.30E-05	+	1.84E+08	1.84E+08	0	2	29,122,	0,565	-4.48	-3.38	2.8	-1.47	-3.08
chr20	62812317	62813852	OGFR	1.00E-13	+	62812317	62813852	0	1	1535,	0	-13	-11.5	3.53	-1.46	-3.07
chr1	2.15E+08	2.15E+08	CENPF	4.00E-19	+	2.15E+08	2.15E+08	0	1	649,	0	-18.4	-16.2	3.32	-1.46	-3.07
chr15	54012719	54012920	UNC13C	5.50E-06	+	54012719	54012920	0	1	201,	0	-5.26	-5.01	2.44	-1.46	-3.07
chr15	99799966	99800116	DNM1P46	0.0044	-	99799966	99800116	0	1	150,	0	-2.36	-1.44	3.17	-1.46	-3.07
chr2	3568954	3569105	AC108488.	0.0039	-	3568954	3569105	0	1	151,	0	-2.41	-2.29	2.35	-1.46	-3.07
chr15	44537223	44550714	EIF3J	2.30E-08	+	44537223	44550714	0	3	14,104,32,	0,100,13459	-7.64	-7.16	1.23	-1.46	-3.06
chr2	2.31E+08	2.31E+08	NCL	6.30E-13	-	2.31E+08	2.31E+08	0	3	15,198,335,	0,119,990	-12.2	-10.9	1.38	-1.46	-3.06
chr5	1.5E+08	1.5E+08	TCOF1	4.00E-12	+	1.5E+08	1.5E+08	0	4	504,98,49,990,	2015,2683,3	-11.4	-10.2	1.89	-1.45	-3.05
chr22	24898256	24898356	SGSM1	4.40E-05	+	24898256	24898356	0	1	100,	0	-4.36	-3.27	3.38	-1.45	-3.05
chr4	1.7E+08	1.7E+08	CLCN3	4.10E-09	+	1.7E+08	1.7E+08	0	3	45,76,578,	0,4541,6656	-8.39	-7.81	3.71	-1.44	-3.04
chr17	44674071	44674172	MEIOC	4.30E-06	+	44674071	44674172	0	1	101,	0	-5.37	-5.11	6	-1.44	-3.04
chr2	1.66E+08	1.66E+08	CSRN3	4.00E-08	+	1.66E+08	1.66E+08	0	2	13,287,	0,2105	-7.4	-6.95	5.75	-1.44	-3.03
chr19	16077000	16077149	AC008894.	8.30E-07	-	16077000	16077149	0	1	149,	0	-6.08	-5.77	1.71	-1.43	-3.02
chr6	1.57E+08	1.57E+08	ARID1B	2.50E-11	+	1.57E+08	1.57E+08	0	1	801,	0	-10.6	-9.58	5.12	-1.42	-3.01

chr4	1.41E+08	1.41E+08	RNF150	0.001	-	1.41E+08	1.41E+08	0	2	153,97,	0,42826		-3	-2.86	8.83	-1.41	-3
chr17	8369085	8369733	AC135178	3.20E-05	-	8369085	8369733	0	1	648,		0	-4.49	-4.3	7.83	-1.41	-3
chr10	68959850	68960199	DDX21	3.00E-10	+	68959850	68960199	0	1	349,		0	-9.53	-8.75	1.73	-1.4	-2.99
chr2	85606793	85607042	C2orf68	3.10E-06	-	85606793	85607042	0	1	249,		0	-5.51	-5.24	2.25	-1.41	-2.99
chr19	40191525	40191775	ZNF3K10	7.90E-05	+	40191525	40191775	0	1	250,		0	-4.1	-3.92	2.64	-1.4	-2.98
chr19	57445605	57445855	MZF749	1.10E-05	+	57445605	57445855	0	1	250,		0	-4.95	-4.73	2.5	-1.4	-2.98
chr9	2655061	2655262	VLDLR	1.80E-06	+	2655061	2655262	0	1	201,		0	-5.74	-4.5	4.71	-1.39	-2.97
chr2	1.78E+08	1.78E+08	TTC30B	2.00E-13	-	1.78E+08	1.78E+08	0	1	199,		0	-12.7	-10.2	3.67	-1.39	-2.97
chr12	57780320	57780765	EEF1AKMT	1.80E-06	+	57780320	57780765	0	1	445,		0	-5.74	-5.46	5.92	-1.38	-2.96
chr14	41588040	41588141	AL121821	5.50E-08	-	41588040	41588141	0	1	101,		0	-7.26	-5.82	2	-1.38	-2.96
chr19	14073345	14073935	MISP3	0.00014	+	14073345	14073935	0	1	590,		0	-3.85	-3.69	4.8	-1.38	-2.95
chr1	1.55E+08	1.55E+08	KCNH3	2.00E-05	-	1.55E+08	1.55E+08	0	1	151,		0	-4.7	-3.58	3.8	-1.38	-2.95
chr17	16470905	16471155	SNHG29	0.0018	+	16470905	16471155	0	1	250,		0	-2.74	-2.61	7.67	-1.38	-2.95
chr1	50968766	50974189	CDKN2C	5.40E-10	+	50968766	50974189	0	3	1133,253,29'0,1478,5126			-9.27	-8.55	4.43	-1.37	-2.94
chr22	31944571	31944771	YWHAH	5.00E-11	+	31944571	31944771	0	1	200,		0	-10.3	-9.41	1.34	-1.37	-2.94
chr9	35609342	35609941	TESK1	7.20E-09	+	35609342	35609941	0	1	599,		0	-8.14	-7.59	8.22	-1.36	-2.93
chr15	32615542	32615990	ARHGAP1	2.60E-10	+	32615542	32615990	0	1	448,		0	-9.58	-8.79	1.98	-1.37	-2.93
chr9	88544432	88544583	NXNL2	0.001	+	88544432	88544583	0	1	151,		0	-2.98	-2.01	5	-1.35	-2.91
chr12	9695433	9695929	AC007068	1.60E-06	+	9695433	9695929	0	1	496,		0	-5.8	-5.51	9.25	-1.35	-2.91
chr5	43041872	43042221	AC025171	9.10E-05	+	43041872	43042221	0	1	349,		0	-4.04	-3.87	3.92	-1.35	-2.91
chr15	23565972	23567070	MKRN3	1.00E-10	+	23565972	23567070	0	1	1098,		0	-10	-9.14	6.6	-1.34	-2.9
chr11	1.2E+08	1.2E+08	TMEM136	3.90E-09	+	1.2E+08	1.2E+08	0	1	597,		0	-8.41	-7.83	8.6	-1.34	-2.9
chr22	29438474	29438674	RFPL1S	1.50E-05	-	29438474	29438674	0	1	200,		0	-4.83	-3.7	4	-1.34	-2.9
chr9	1.3E+08	1.3E+08	DCS1	6.30E-09	+	1.3E+08	1.3E+08	0	1	399,		0	-8.2	-7.64	4.5	-1.34	-2.89
chr1	93346255	93346755	DR1	3.70E-10	+	93346255	93346755	0	1	500,		0	-9.43	-8.67	3.08	-1.33	-2.89
chr4	1.33E+08	1.33E+08	PCDH10	1.60E-11	+	1.33E+08	1.33E+08	0	1	401,		0	-10.8	-9.76	4.75	-1.33	-2.89
chr4	3766497	3767098	ADRA2C	0.00031	+	3766497	3767098	0	1	601,		0	-3.51	-2.5	3.8	-1.33	-2.89
chr17	48607719	48608296	HOXB7	2.80E-08	-	48607719	48608296	0	2	376,68,	0,509		-7.55	-7.07	4.17	-1.33	-2.89
chr19	14072855	14073150	MISP3	0.00014	+	14072855	14073150	0	1	295,		0	-3.85	-3.69	2.67	-1.33	-2.88
chr15	74598549	74598900	CLK3	0.00071	+	74598549	74598900	0	1	351,		0	-3.15	-3.01	8.25	-1.33	-2.88
chr22	41958348	41958592	LINC00634	9.10E-05	+	41958348	41958592	0	1	244,		0	-4.04	-3.87	7.57	-1.33	-2.88
chr18	80159626	80160375	PAR6G	3.20E-06	-	80159626	80160375	0	1	749,		0	-5.5	-5.23	9.25	-1.32	-2.87
chr19	56567517	56567817	ZNF470	4.20E-07	+	56567517	56567817	0	1	300,		0	-6.38	-6.03	4.62	-1.32	-2.87
chr15	65654077	65654377	SLC24A1	2.70E-05	+	65654077	65654377	0	1	300,		0	-4.57	-4.36	11.2	-1.32	-2.86
chr3	73383528	73383728	PDZRN3	5.20E-05	-	73383528	73383728	0	1	200,		0	-4.28	-4.09	8.75	-1.31	-2.86
chr2	2.31E+08	2.31E+08	ARMC9	4.20E-05	+	2.31E+08	2.31E+08	0	1	250,		0	-4.38	-3.29	3.6	-1.32	-2.86
chr2	2.27E+08	2.27E+08	IRS1	5.10E-07	-	2.27E+08	2.27E+08	0	1	150,		0	-6.29	-5.95	7.5	-1.31	-2.85
chr15	84402784	84402935	DNM1P51	2.10E-05	-	84402784	84402935	0	1	151,		0	-4.67	-3.55	2.75	-1.31	-2.85
chr8	76704354	76704504	ZFH4	0.0027	+	76704354	76704504	0	1	150,		0	-2.57	-1.63	2.4	-1.28	-2.82
chr19	38730584	38730734	CAPN12	2.30E-06	-	38730584	38730734	0	1	150,		0	-5.63	-5.35	1.82	-1.27	-2.8
chr7	66740070	66740768	RABGEF1	1.70E-08	+	66740070	66740768	0	1	698,		0	-7.77	-7.27	4.75	-1.26	-2.79
chr17	8369059	8370146	KRBA2	1.30E-06	-	8369059	8370146	0	1	1087,		0	-5.9	-5.6	10.6	-1.26	-2.79
chr4	16256402	16256501	TAPT1-AS	1.30E-05	+	16256402	16256501	0	1	99,		0	-4.9	-3.76	1.5	-1.26	-2.79
chr5	1.77E+08	1.77E+08	DBN1	1.90E-10	-	1.77E+08	1.77E+08	0	3	172,78,49,	0,364,590		-9.73	-8.91	1.52	-1.25	-2.77
chr3	1.02E+08	1.02E+08	RPL24	2.60E-09	-	1.02E+08	1.02E+08	0	1	248,		0	-8.59	-7.98	6.25	-1.24	-2.77
chr19	46392881	46392981	PPP5C	3.20E-06	+	46392881	46392981	0	1	100,		0	-5.49	-5.22	4.75	-1.24	-2.76
chr12	26124740	26124889	BHLHE41	6.50E-07	-	26124740	26124889	0	1	149,		0	-6.19	-4.89	2.45	-1.24	-2.76
chr2	99368563	99379028	EIF5B	6.30E-13	+	99368563	99379028	0	6	28,94,2,75,2'0,828,2574,30			-12.2	-10.8	1.89	-1.24	-2.76
chr15	90271246	90272146	NGRN	2.00E-11	+	90271246	90272146	0	1	900,		0	-10.7	-9.72	3.81	-1.24	-2.76
chr17	38466392	38466693	ARHGAP2	0.00085	+	38466392	38466693	0	1	301,		0	-3.07	-2.1	3.75	-1.24	-2.76
chr4	1.19E+08	1.19E+08	GTF2IP12	4.40E-06	-	1.19E+08	1.19E+08	0	1	151,		0	-5.36	-4.16	4.33	-1.24	-2.76

chr19	18541931	18542031	FKBP8	5.90E-07	-	18541931	18542031	0	1	100,	0	-6.23	-5.9	1.28	-1.23	-2.75
chr16	2708236	2708584	KCTD5	1.10E-06	+	2708236	2708584	0	1	348,	0	-5.96	-5.65	3.35	-1.23	-2.75
chr12	53994597	53995041	HOXC-AS1	0.00015	-	53994597	53995041	0	1	444,	0	-3.83	-3.67	5.5	-1.24	-2.75
chr4	40167397	40167686	AC095057	9.10E-07	+	40167397	40167686	0	1	289,	0	-6.04	-4.76	4	-1.23	-2.75
chr3	42658686	42659386	ZBTB47	2.00E-09	+	42658686	42659386	0	1	700,	0	-8.7	-8.07	6.2	-1.23	-2.74
chr2	2.19E+08	2.19E+08	CDK5R2	0.00048	+	2.19E+08	2.19E+08	0	1	296,	0	-3.32	-2.33	5	-1.23	-2.74
chr15	40938032	40938231	DLL4	1.10E-05	+	40938032	40938231	0	1	199,	0	-4.94	-4.72	9.67	-1.22	-2.73
chr10	53808999	53809150	PCDH15	0.0011	-	53808999	53809150	0	1	151,	0	-2.97	-2.84	4	-1.22	-2.73
chr1	1.81E+08	1.81E+08	IER5	3.20E-15	+	1.81E+08	1.81E+08	0	1	1596,	0	-14.5	-12.7	6.39	-1.22	-2.73
chr10	25599233	25599633	GPR158	1.70E-06	+	25599233	25599633	0	1	400,	0	-5.77	-4.53	3.5	-1.21	-2.72
chr12	55927418	55928304	DGKA	1.90E-06	+	55927418	55928304	0	2	201,50,	0,836	-5.72	-5.44	3.29	-1.2	-2.7
chr2	2.32E+08	2.32E+08	PTMA	2.30E-09	+	2.32E+08	2.32E+08	0	2	187,62,	0,1216	-8.63	-8.01	1.18	-1.2	-2.7
chr1	44040039	44040189	AL139220	1.30E-08	+	44040039	44040189	0	1	150,	0	-6.34	-6.34	4.5	-1.2	-2.7
chr8	76856054	76856254	ZFHX4	5.00E-04	+	76856054	76856254	0	1	200,	0	-3.3	-2.31	3.38	-1.19	-2.69
chr5	1.8E+08	1.8E+08	CNOT6	2.40E-10	+	1.8E+08	1.8E+08	0	1	249,	0	-9.62	-8.82	1.65	-1.19	-2.69
chr19	32675846	32676597	ANKRD27	2.60E-09	-	32675846	32676597	0	1	751,	0	-8.58	-7.97	7.75	-1.19	-2.68
chr17	82460393	82460593	NARF	0.0033	+	82460393	82460593	0	1	200,	0	-2.48	-1.55	3.5	-1.19	-2.68
chr19	20545548	20551154	AC008554	2.80E-09	-	20545548	20551154	0	2	428,70,	0,5536	-8.55	-6.91	4.83	-1.18	-2.67
chr4	1.12E+08	1.12E+08	AP1AR	4.00E-09	+	1.12E+08	1.12E+08	0	2	139,12,	0,21172	-8.4	-7.82	1.74	-1.17	-2.66
chr16	87603307	87603457	JPH3	0.0051	+	87603307	87603457	0	1	150,	0	-2.29	-1.38	5.25	-1.17	-2.66
chr17	61399163	61399598	TBX2-AS1	6.20E-05	-	61399163	61399598	0	1	435,	0	-4.21	-4.02	2.29	-1.17	-2.66
chr5	1.38E+08	1.38E+08	EGR1	4.90E-06	+	1.38E+08	1.38E+08	0	1	200,	0	-5.31	-5.06	4.61	-1.16	-2.65
chr11	59145001	59145351	FAM111A	1.80E-07	+	59145001	59145351	0	1	350,	0	-6.74	-6.36	3.71	-1.17	-2.65
chr16	88652381	88652531	MVD	0.002	-	88652381	88652531	0	1	150,	0	-2.7	-2.57	2.03	-1.16	-2.65
chr2	1.53E+08	1.53E+08	PRPF40A	1.50E-06	-	1.53E+08	1.53E+08	0	1	101,	0	-5.83	-4.58	1.38	-1.17	-2.65
chr16	14330666	14330817	MIR193BH	9.10E-06	+	14330666	14330817	0	1	151,	0	-5.04	-3.88	4.6	-1.16	-2.65
chr7	2234679	2235527	MRM2	7.90E-12	-	2234679	2235527	0	1	848,	0	-11.1	-9.98	6.8	-1.16	-2.64
chr19	10116304	10116404	EIF3G	8.90E-07	-	10116304	10116404	0	1	100,	0	-6.05	-4.78	3	-1.16	-2.64
chr11	94998289	94998388	KDM4D	0.00025	+	94998289	94998388	0	1	99,	0	-3.61	-2.6	3.75	-1.16	-2.64
chr5	1.41E+08	1.41E+08	PCDHGA1	5.40E-05	+	1.41E+08	1.41E+08	0	1	150,	0	-4.27	-3.19	3	-1.16	-2.64
chr13	95990945	95991045	UGGT2	4.90E-05	-	95990945	95991045	0	1	100,	0	-4.31	-3.22	3.4	-1.15	-2.63
chr19	49651099	49652191	SCAF1	3.40E-08	+	49651099	49652191	0	1	1092,	0	-7.47	-7.01	4.28	-1.15	-2.63
chr14	1.06E+08	1.06E+08	IGHV3-21	3.20E-22	-	1.06E+08	1.06E+08	0	2	19,125,	0,120	-21.5	-19.1	1.22	-1.15	-2.63
chr3	48661735	48662486	CELSR3	1.40E-06	-	48661735	48662486	0	1	751,	0	-5.86	-5.56	5.5	-1.15	-2.62
chr13	32403004	32403658	N4BP2L1	5.00E-07	-	32403004	32403658	0	2	196,3,	0,651	-6.3	-4.99	4.5	-1.15	-2.62
chr4	1.39E+08	1.39E+08	NAA15	9.10E-07	+	1.39E+08	1.39E+08	0	2	34,166,	0,8307	-6.04	-5.73	1.96	-1.15	-2.62
chr5	1.39E+08	1.39E+08	PROB1	0.0043	-	1.39E+08	1.39E+08	0	1	150,	0	-2.37	-1.46	3.5	-1.15	-2.62
chr15	77918947	77919196	AC104758	1.70E-06	-	77918947	77919196	0	1	249,	0	-5.77	-4.52	4	-1.15	-2.62
chr22	41245710	41246111	RANGAP1	1.10E-07	-	41245710	41246111	0	1	401,	0	-6.97	-6.56	2.98	-1.14	-2.61
chr5	56815598	56815799	MAP3K1	4.80E-08	+	56815598	56815799	0	1	201,	0	-7.32	-6.87	4.17	-1.14	-2.6
chr17	7562017	7563118	SENP3	1.30E-09	+	7562017	7563118	0	2	246,53,	0,1048	-8.87	-8.22	1.67	-1.13	-2.6
chr7	1058114	1058215	GPR146	0.00095	+	1058114	1058215	0	1	101,	0	-3.02	-2.05	5.8	-1.13	-2.6
chrM	14243	14578	MT-ND6	5.00E-70	-	14243	14578	0	1	335,	0	-69.3	-65.9	1.13	-1.13	-2.6
chr2	1.09E+08	1.09E+08	RANBP2	7.40E-08	+	1.09E+08	1.09E+08	0	1	301,	0	-7.13	-6.7	3.33	-1.12	-2.59
chr17	147062	147212	DOC2B	8.90E-05	-	147062	147212	0	1	150,	0	-4.05	-2.99	6	-1.12	-2.59
chr19	35902573	35903879	HCST	5.90E-08	+	35902573	35903879	0	3	63,66,108,	0,777,1198	-7.23	-6.8	1.94	-1.12	-2.58
chr1	26170628	26170824	ZNF593	4.50E-06	+	26170628	26170824	0	1	196,	0	-5.35	-5.09	2.82	-1.12	-2.58
chr16	28864144	28864294	SH2B1	9.50E-06	+	28864144	28864294	0	1	150,	0	-5.02	-3.86	3.44	-1.12	-2.58
chr18	36779141	36779442	TPGS2	6.60E-05	-	36779141	36779442	0	1	301,	0	-4.18	-3.11	2.8	-1.11	-2.57
chr5	1.8E+08	1.8E+08	SQSTM1	2.80E-07	+	1.8E+08	1.8E+08	0	1	351,	0	-6.56	-6.21	2.81	-1.11	-2.57
chr7	2234682	2235532	AC069288	5.00E-09	-	2234682	2235532	0	1	850,	0	-8.3	-7.73	7.89	-1.11	-2.57

chr16	3141306	3141606	ZNF213	1.90E-07	+	3141306	3141606	0	1	300,	0	-6.72	-6.34	3.5	-1.11	-2.56
chr8	27609063	27610651	CLU	5.00E-11	-	27609063	27610651	0	2	23,177,	0,1411	-10.3	-9.35	1.9	-1.11	-2.56
chr17	63418369	63420560	TANC2	2.70E-08	+	63418369	63420560	0	2	38,562,	0,1629	-7.57	-7.1	6	-1.11	-2.56
chr18	35258024	35258324	ZNF397	0.00055	+	35258024	35258324	0	1	300,	0	-3.26	-2.27	3.83	-1.11	-2.56
chr14	73522546	73522795	HEATR4	4.80E-05	-	73522546	73522795	0	1	249,	0	-4.32	-3.24	3.6	-1.11	-2.56
chr14	34795738	34802860	BAZ1A	6.20E-10	-	34795738	34802860	0	4	27,167,100,70,4485,5355,7	0	-9.21	-8.49	3.07	-1.11	-2.56
chrX	41347686	41347937	DDX3X	0.00015	+	41347686	41347937	0	1	251,	0	-3.83	-3.67	2	-1.11	-2.56
chr14	39181538	39181885	PNN	5.00E-11	+	39181538	39181885	0	1	347,	0	-10.3	-9.4	2.03	-1.1	-2.55
chr6	27133541	27133642	HIST1H2A	7.60E-08	+	27133541	27133642	0	1	101,	0	-7.12	-5.7	2.2	-1.1	-2.55
chr1	2.28E+08	2.28E+08	C1orf35	0.00014	-	2.28E+08	2.28E+08	0	1	150,	0	-3.84	-3.67	4.6	-1.09	-2.54
chr2	2.16E+08	2.16E+08	TMEM169	8.30E-08	+	2.16E+08	2.16E+08	0	1	200,	0	-7.08	-5.67	5.25	-1.09	-2.54
chr11	59151801	59153097	FAM111A	2.00E-11	+	59151801	59153097	0	1	1296,	0	-10.7	-9.71	6	-1.09	-2.54
chr17	45148551	45150351	HEXIM1	5.00E-16	+	45148551	45150351	0	1	1800,	0	-15.3	-13.3	5.7	-1.09	-2.54
chrX	71096246	71096597	FOXO4	0.00013	+	71096246	71096597	0	1	351,	0	-3.88	-3.71	3.33	-1.09	-2.53
chr14	23321487	23321835	PABPN1	1.00E-11	+	23321487	23321835	0	1	348,	0	-11	-9.89	2.64	-1.08	-2.52
chr5	1.35E+08	1.35E+08	DDX46	2.00E-11	+	1.35E+08	1.35E+08	0	5	75,144,97,160,2899,6885,9	0	-10.7	-9.71	1.93	-1.08	-2.52
chr21	46244862	46246321	MCM3AP	2.30E-07	-	46244862	46246321	0	2	335,15,	0,1444	-6.63	-6.26	3.43	-1.08	-2.52
chr11	61795789	61796489	FEN1	4.40E-08	+	61795789	61796489	0	1	700,	0	-7.36	-6.91	3.79	-1.08	-2.51
chr14	93206869	93207016	GON7	0.00017	-	93206869	93207016	0	1	147,	0	-3.77	-3.61	2.04	-1.08	-2.51
chr18	3596936	3597232	DLGAP1-A	2.60E-09	+	3596936	3597232	0	1	296,	0	-8.59	-7.98	2.57	-1.08	-2.51
chr19	14718395	14719292	ZNF333	4.90E-10	+	14718395	14719292	0	1	897,	0	-9.31	-8.58	4.73	-1.07	-2.5
chr3	1.25E+08	1.25E+08	HEG1	3.60E-06	-	1.25E+08	1.25E+08	0	2	658,40,	0,899	-5.44	-5.17	11.5	-1.07	-2.5
chr22	27985850	27986051	TTC28-AS	0.00049	+	27985850	27986051	0	1	201,	0	-3.31	-2.32	6.4	-1.07	-2.5
chr10	62198027	62198128	RTKN2	4.60E-05	-	62198027	62198128	0	1	101,	0	-4.34	-3.25	3.5	-1.06	-2.49
chr6	31410668	31411288	MICA	1.20E-09	+	31410668	31411288	0	2	129,217,	0,403	-8.92	-8.26	2	-1.07	-2.49
chr17	45641403	45641754	LINC0221C	2.50E-06	+	45641403	45641754	0	1	351,	0	-5.61	-5.33	3.14	-1.07	-2.49
chr7	99261303	99261403	AC004834	8.10E-05	-	99261303	99261403	0	1	100,	0	-4.09	-3.03	3.2	-1.07	-2.49
chr1	2.12E+08	2.12E+08	SLC30A1	1.30E-16	-	2.12E+08	2.12E+08	0	1	201,	0	-15.9	-12.8	1.46	-1.06	-2.48
chr16	30380061	30380161	1-Sep	2.10E-05	-	30380061	30380161	0	1	100,	0	-4.67	-4.46	3.59	-1.06	-2.48
chr16	67149969	67150314	B3GNT9	0.00076	-	67149969	67150314	0	1	345,	0	-3.12	-2.15	1.8	-1.06	-2.48
chr16	74441437	74441588	AC009053	0.00039	+	74441437	74441588	0	1	151,	0	-3.41	-2.41	5.75	-1.06	-2.48
chr17	2394970	2396463	MNT	4.00E-06	-	2394970	2396463	0	2	484,14,	0,1479	-5.4	-5.14	5.07	-1.06	-2.47
chr19	44811820	44812185	BCAM	1.00E-04	+	44811820	44812185	0	2	226,23,	0,342	-3.99	-3.82	3.83	-1.05	-2.47
chr17	38510090	38510340	ARHGAP2	1.90E-05	+	38510090	38510340	0	1	250,	0	-4.72	-4.51	8.17	-1.05	-2.47
chr13	20702627	20703668	AL161772	2.10E-10	-	20702627	20703668	0	1	1041,	0	-9.67	-8.86	8.3	-1.05	-2.47
chr9	1.24E+08	1.24E+08	DENND1A	1.70E-07	-	1.24E+08	1.24E+08	0	1	150,	0	-6.76	-6.38	1.46	-1.04	-2.46
chr15	50481551	50484361	USP8	1.50E-08	+	50481551	50484361	0	2	514,87,	0,2723	-7.82	-7.31	3.76	-1.04	-2.46
chr19	12319224	12319574	ZNF563	9.10E-06	-	12319224	12319574	0	1	350,	0	-5.04	-3.88	3.25	-1.05	-2.46
chr19	48735241	48735342	RASIP1	9.80E-06	-	48735241	48735342	0	1	101,	0	-5.01	-3.85	4.4	-1.04	-2.45
chr21	44933812	44934163	LINC01547	0.00069	-	44933812	44934163	0	1	351,	0	-3.16	-2.18	3.67	-1.04	-2.45
chr22	28001681	28001832	TTC28-AS	0.0022	+	28001681	28001832	0	1	151,	0	-2.66	-1.72	4.5	-1.04	-2.45
chr1	26170600	26170897	AL391650	1.60E-08	-	26170600	26170897	0	1	297,	0	-7.79	-7.29	2.89	-1.04	-2.45
chr20	63708552	63709001	ZGPAT	1.50E-10	+	63708552	63709001	0	1	449,	0	-9.82	-8.99	3.8	-1.03	-2.44
chr8	1.44E+08	1.44E+08	PLEC	1.90E-07	-	1.44E+08	1.44E+08	0	1	201,	0	-6.71	-6.34	2.57	-1.03	-2.43
chr9	1.37E+08	1.37E+08	TUBB4B	6.30E-14	+	1.37E+08	1.37E+08	0	1	299,	0	-13.2	-11.6	1.47	-1.03	-2.43
chr11	58579220	58579419	ZFP91-CN	1.80E-10	+	58579220	58579419	0	1	199,	0	-9.75	-8.93	2.03	-1.03	-2.43
chr15	30626290	30626590	ARHGAP1	1.30E-12	+	30626290	30626590	0	1	300,	0	-11.9	-10.6	3.32	-1.02	-2.43
chr13	1.11E+08	1.11E+08	ANKRD10	1.50E-09	-	1.11E+08	1.11E+08	0	1	397,	0	-8.81	-8.16	5.46	-1.02	-2.42
chr18	80044266	80046354	RBFA	6.30E-11	+	80044266	80046354	0	2	19,581,	0,1507	-10.2	-9.3	3.83	-1.02	-2.42
chr2	2.41E+08	2.41E+08	HDLBP	6.60E-06	-	2.41E+08	2.41E+08	0	1	151,	0	-5.18	-4.93	3.67	-1.02	-2.42
chr2	1.31E+08	1.31E+08	ARHGEF4	0.00081	+	1.31E+08	1.31E+08	0	1	399,	0	-3.09	-2.95	12.2	-1.01	-2.41



chrX	9895534	9895884	SHROOM2	7.10E-05	+	9895534	9895884	0	1	350,	0	-4.15	-3.08	2.18	-1.02	-2.41
chr16	28879073	28879499	ATP2A1	6.90E-06	+	28879073	28879499	0	2	43,257,	0,169	-5.16	-4.92	2.8	-1.01	-2.41
chr14	49620844	49621093	MGAT2	1.40E-10	+	49620844	49621093	0	1	249,	0	-9.84	-9	2.6	-1.01	-2.4
chr6	33211363	33211462	RING1	2.10E-05	+	33211363	33211462	0	1	99,	0	-4.67	-4.46	1.58	-1.01	-2.4
chr16	29819593	29830488	AC120114	4.50E-07	+	29819593	29830488	0	2	309,15,	0,10880	-6.35	-6.01	2.38	-1.01	-2.4
chr2	2.06E+08	2.06E+08	INO80D	2.80E-10	-	2.06E+08	2.06E+08	0	1	300,	0	-9.56	-8.77	6.5	-1	-2.39
chr19	40567751	40567852	SPTBN4	0.0011	-	40567751	40567852	0	1	101,	0	-2.95	-1.98	3.75	-0.999	-2.39
chr3	56593967	56615204	CCDC66	5.00E-08	+	56593967	56615204	0	3	61,162,77,	0,19621,21161	-7.3	-6.86	2.33	-0.997	-2.39
chr2	1.78E+08	1.78E+08	PDE11A	0.00014	-	1.78E+08	1.78E+08	0	1	201,	0	-3.84	-2.8	7.5	-0.998	-2.39
chr6	44250083	44250469	HSP90AB1	5.90E-06	+	44250083	44250469	0	2	71,179,	0,207	-5.23	-4.98	1.2	-0.996	-2.38
chr1	2.28E+08	2.28E+08	ZNF678	3.40E-06	+	2.28E+08	2.28E+08	0	1	150,	0	-5.47	-4.26	4	-0.991	-2.38
chr19	47679963	47680759	BICRA	3.40E-05	+	47679963	47680759	0	1	796,	0	-4.47	-4.27	9.25	-0.989	-2.37
chr12	94149075	94149176	PLXNC1	1.70E-07	+	94149075	94149176	0	1	101,	0	-6.76	-5.39	3.25	-0.987	-2.37
chr19	12973613	12973764	DAND5	4.30E-05	+	12973613	12973764	0	1	151,	0	-4.37	-4.18	6.75	-0.989	-2.37
chr5	1.41E+08	1.41E+08	PCDHGB6	2.80E-06	+	1.41E+08	1.41E+08	0	1	251,	0	-5.56	-4.34	2.5	-0.988	-2.37
chr6	1.57E+08	1.57E+08	ARID1B	2.50E-11	+	1.57E+08	1.57E+08	0	1	600,	0	-10.6	-9.58	7.43	-0.98	-2.36
chr1	35749798	35753825	CLSPN	6.30E-13	-	35749798	35753825	0	3	13,257,81,	0,1451,3946	-12.2	-10.8	3.15	-0.982	-2.36
chrX	49198346	49198645	SYP	2.30E-05	-	49198346	49198645	0	1	299,	0	-4.64	-3.53	4.75	-0.979	-2.36
chr1	43936796	43936945	ARTN	0.0052	+	43936796	43936945	0	1	149,	0	-2.28	-1.37	8.75	-0.981	-2.36
chr2	74441922	74442372	RTKN	9.80E-07	-	74441922	74442372	0	1	450,	0	-6.01	-5.7	4.8	-0.977	-2.35
chr1	1.09E+08	1.09E+08	PRPF38B	2.50E-14	+	1.09E+08	1.09E+08	0	2	9,886,	0,343	-13.6	-12	3.4	-0.977	-2.35
chr2	74101292	74102091	TET3	1.30E-11	+	74101292	74102091	0	1	799,	0	-10.9	-9.82	6.89	-0.977	-2.35
chr7	1.4E+08	1.4E+08	KDM7A-D	6.00E-07	+	1.4E+08	1.4E+08	0	1	443,	0	-6.22	-5.89	9	-0.972	-2.35
chr19	48451174	48453346	GRWD1	6.30E-11	+	48451174	48453346	0	2	57,639,	0,1533	-10.2	-9.29	7.11	-0.971	-2.34
chr1	1.85E+08	1.85E+08	IVNS1ABP	1.10E-07	-	1.85E+08	1.85E+08	0	1	200,	0	-6.95	-6.55	3.2	-0.972	-2.34
chr9	1.29E+08	1.29E+08	ENDOG	0.0034	+	1.29E+08	1.29E+08	0	1	100,	0	-2.47	-2.34	1.89	-0.97	-2.34
chr5	480193	480736	SLC9A3-A	1.00E-06	+	480193	480736	0	1	543,	0	-5.99	-5.68	9	-0.97	-2.34
chr4	1.83E+08	1.83E+08	WWC2-AS	1.00E-04	-	1.83E+08	1.83E+08	0	1	646,	0	-4	-3.83	4.83	-0.972	-2.34
chr19	34733493	34733690	AC020910	3.90E-06	-	34733493	34733690	0	1	197,	0	-5.41	-4.21	7.2	-0.971	-2.34
chr1	2.15E+08	2.15E+08	CENPF	4.00E-19	+	2.15E+08	2.15E+08	0	1	100,	0	-18.4	-16.2	1.41	-0.965	-2.33
chr19	45884998	45886091	IRF2BP1	1.40E-09	-	45884998	45886091	0	1	1093,	0	-8.85	-8.19	7.23	-0.964	-2.33
chr3	1.29E+08	1.29E+08	HMCES	8.50E-06	+	1.29E+08	1.29E+08	0	1	150,	0	-5.07	-4.83	2.85	-0.963	-2.33
chr15	50370453	50370654	GABPB1-A	1.80E-06	+	50370453	50370654	0	1	201,	0	-5.75	-5.46	7.17	-0.965	-2.33
chr14	57275351	57278454	AP5M1	3.20E-11	+	57275351	57278454	0	2	118,33,	0,3070	-10.5	-9.5	2.19	-0.959	-2.32
chr2	2.27E+08	2.27E+08	IRS1	5.10E-07	-	2.27E+08	2.27E+08	0	1	101,	0	-6.29	-4.98	5.2	-0.96	-2.32
chr5	1.4E+08	1.4E+08	PURA	0.00022	+	1.4E+08	1.4E+08	0	1	349,	0	-3.66	-3.5	2.93	-0.96	-2.32
chr1	99969536	99969771	AC118553	2.00E-05	-	99969536	99969771	0	1	235,	0	-4.69	-4.48	4.6	-0.962	-2.32
chrX	53142805	53143105	KANTR	4.30E-06	+	53142805	53143105	0	1	300,	0	-5.37	-5.11	4.36	-0.962	-2.32
chr10	1.32E+08	1.32E+08	AL162274	1.00E-08	+	1.32E+08	1.32E+08	0	1	100,	0	-7.98	-6.44	8	-0.96	-2.32
chr20	64099243	64099393	AL121581	1.20E-07	-	64099243	64099393	0	1	150,	0	-6.93	-5.54	5.75	-0.96	-2.32
chr5	1.41E+08	1.41E+08	ZMAT2	2.60E-08	+	1.41E+08	1.41E+08	0	4	74,87,146,130,1862,2370,3		-7.59	-7.11	1.83	-0.953	-2.31
chr19	16067596	16067797	TPM4	1.30E-05	+	16067596	16067797	0	1	201,	0	-4.87	-4.64	1.4	-0.951	-2.31
chr22	17540419	17540569	CECR2	0.0065	+	17540419	17540569	0	1	150,	0	-2.19	-2.08	2.24	-0.948	-2.3
chr7	1.15E+08	1.15E+08	FOXP2	5.20E-07	+	1.15E+08	1.15E+08	0	1	201,	0	-6.28	-5.94	5.67	-0.951	-2.3
chr14	1.03E+08	1.03E+08	CDC42BPE	5.40E-05	-	1.03E+08	1.03E+08	0	1	201,	0	-4.27	-4.08	1.81	-0.946	-2.3
chr4	7043433	7043634	TADA2B	1.20E-06	+	7043433	7043634	0	1	201,	0	-5.92	-5.62	1.74	-0.937	-2.29
chr21	10473216	10473466	BAGE2	4.80E-08	+	10473216	10473466	0	1	250,	0	-7.32	-6.88	10.4	-0.942	-2.29
chr12	94571395	94571595	TMCC3	0.00013	-	94571395	94571595	0	1	200,	0	-3.87	-2.83	3.5	-0.933	-2.28
chr5	1.6E+08	1.6E+08	TTC1	1.60E-09	+	1.6E+08	1.6E+08	0	3	31,359,58,	0,1337,25977	-8.79	-8.14	1.71	-0.93	-2.28
chr2	2.36E+08	2.36E+08	AGAP1	9.30E-07	+	2.36E+08	2.36E+08	0	1	151,	0	-6.03	-5.72	3	-0.934	-2.28
chr17	59112143	59119346	SKA2	1.00E-10	-	59112143	59119346	0	2	202,48,	0,7155	-10	-9.14	2.18	-0.927	-2.27

chr17	7582308	7583391	AC016876	6.00E-06	-	7582308	7583391	0	2	223,516,	0,567		-5.22	-4.97	10.2	-0.928	-2.27
chr18	74596974	74597372	LINC00909	3.00E-06	-	74596974	74597372	0	1	398,		0	-5.52	-5.25	6.25	-0.924	-2.27
chr3	1.88E+08	1.88E+08	AC022498	1.90E-10	+	1.88E+08	1.88E+08	0	1	199,		0	-9.72	-8.9	2.7	-0.928	-2.27
chr19	38337387	38337626	CATSPERG	0.00011	+	38337387	38337626	0	2	117,34,	0,205		-3.95	-3.78	3.06	-0.922	-2.26
chr5	1.81E+08	1.81E+08	TRIM41	4.60E-10	+	1.81E+08	1.81E+08	0	1	898,		0	-9.34	-8.6	5.13	-0.922	-2.26
chr1	2.26E+08	2.26E+08	ENAH	4.10E-09	-	2.26E+08	2.26E+08	0	4	304,85,12,490,11292,1178.			-8.39	-7.81	2.43	-0.922	-2.26
chr14	1.05E+08	1.05E+08	TEDC1	1.30E-13	+	1.05E+08	1.05E+08	0	1	601,		0	-12.9	-11.4	5.95	-0.918	-2.26
chrX	72143429	72143729	NHSL2	4.90E-05	+	72143429	72143729	0	1	300,		0	-4.31	-4.12	8.25	-0.92	-2.26
chr19	7682514	7682611	AC008763	1.00E-11	+	7682514	7682611	0	1	97,		0	-11	-9.94	1.61	-0.922	-2.26
chr22	50604331	50604932	MAPK8IP2	1.90E-07	+	50604331	50604932	0	1	601,		0	-6.73	-6.35	7	-0.911	-2.25
chr19	7682522	7682623	TRAPPC5	1.40E-10	+	7682522	7682623	0	1	101,		0	-9.84	-9.01	1.8	-0.914	-2.25
chr17	82362336	82362535	TEX19	0.0091	+	82362336	82362535	0	1	199,		0	-2.04	-1.93	14.4	-0.911	-2.25
chr8	80499950	80500300	ZBTB10	7.90E-13	+	80499950	80500300	0	1	350,		0	-12.1	-10.7	4.77	-0.911	-2.25
chr9	1.21E+08	1.21E+08	CUTALP	1.90E-10	+	1.21E+08	1.21E+08	0	1	1246,		0	-9.72	-8.9	9.82	-0.913	-2.25
chr15	52046470	52046819	MAPK6	6.30E-12	+	52046470	52046819	0	1	349,		0	-11.2	-10.1	7.35	-0.908	-2.24
chr14	73109414	73111002	RBM25	5.50E-10	+	73109414	73111002	0	2	78,172,	0,1416		-9.26	-8.54	1.65	-0.909	-2.24
chr9	71745185	71746255	CEMIP2	0.00023	-	71745185	71746255	0	2	394,55,	0,1015		-3.64	-3.48	6.6	-0.909	-2.24
chr16	47083088	47083787	NETO2	1.30E-11	-	47083088	47083787	0	1	699,		0	-10.9	-9.82	8.07	-0.909	-2.24
chr19	45499540	45499640	PPM1N	0.0037	+	45499540	45499640	0	1	100,		0	-2.43	-1.51	2.3	-0.909	-2.24
chr5	480184	480731	SLC9A3-A'	0.00049	+	480184	480731	0	1	547,		0	-3.31	-3.16	9.25	-0.909	-2.24
chr19	3613684	3613930	CACTIN-A	2.90E-05	+	3613684	3613930	0	1	246,		0	-4.54	-4.34	5.56	-0.909	-2.24
chr9	33524443	33528677	ANKRD18E	5.00E-11	+	33524443	33528677	0	2	252,46,	0,4188		-10.3	-9.33	6.18	-0.909	-2.24
chr9	1.01E+08	1.01E+08	ZNF189	4.10E-08	+	1.01E+08	1.01E+08	0	1	1941,		0	-7.39	-6.94	7.71	-0.901	-2.23
chr19	58572710	58573402	MZF1-AS1	2.80E-06	+	58572710	58573402	0	2	113,486,	0,206		-5.55	-5.28	2.9	-0.902	-2.23
chr2	74833690	74833987	ACO19069	2.20E-09	-	74833690	74833987	0	1	297,		0	-8.66	-8.04	8.17	-0.899	-2.23
chr5	34915673	34915872	BRX1	5.40E-08	+	34915673	34915872	0	1	199,		0	-7.27	-6.83	4.38	-0.893	-2.22
chr5	1.08E+08	1.08E+08	FBXL17	4.60E-09	-	1.08E+08	1.08E+08	0	1	151,		0	-8.34	-7.76	3	-0.897	-2.22
chr10	1.03E+08	1.03E+08	CNNM2	3.00E-09	+	1.03E+08	1.03E+08	0	1	401,		0	-8.52	-7.92	8.71	-0.886	-2.21
chr10	79684639	79685287	BEND3P3	2.70E-07	+	79684639	79685287	0	1	648,		0	-6.57	-6.21	8.17	-0.887	-2.21
chr19	18149550	18149850	MAST3	1.90E-05	+	18149550	18149850	0	1	300,		0	-4.73	-4.52	2.71	-0.88	-2.2
chr15	90961037	90961386	RCCD1	4.70E-10	+	90961037	90961386	0	1	349,		0	-9.33	-8.59	13	-0.885	-2.2
chr19	12132415	12132865	ZNF625-Z	9.50E-06	-	12132415	12132865	0	1	450,		0	-5.02	-4.79	6.42	-0.88	-2.2
chr19	54982288	54982935	NLRP2	1.00E-10	+	54982288	54982935	0	1	647,		0	-9.98	-9.12	5.88	-0.878	-2.19
chr15	74599149	74599450	CLK3	0.00071	+	74599149	74599450	0	1	301,		0	-3.15	-2.17	2.75	-0.873	-2.19
chr10	73243467	73245932	DNAJC9	2.80E-07	-	73243467	73245932	0	3	52,87,11,	0,375,2454		-6.55	-6.19	2.82	-0.878	-2.19
chr20	64099491	64099691	AL121581	1.20E-07	-	64099491	64099691	0	1	200,		0	-6.93	-5.54	2.5	-0.874	-2.19
chr1	11023185	11023883	TARDBP	2.40E-09	+	11023185	11023883	0	1	698,		0	-8.62	-8	3.37	-0.873	-2.18
chr2	1.28E+08	1.28E+08	WDR33	2.40E-10	-	1.28E+08	1.28E+08	0	2	285,165,	0,2409		-9.62	-8.83	9.56	-0.866	-2.18
chr9	1.04E+08	1.04E+08	SMC2	1.70E-07	+	1.04E+08	1.04E+08	0	3	99,194,6,	0,1778,3507		-6.78	-6.39	1.74	-0.866	-2.18
chr10	17321040	17321190	S78SIA6	0.003	-	17321040	17321190	0	1	150,		0	-2.53	-1.6	3.6	-0.866	-2.18
chr13	98448479	98448580	FARP1	4.60E-05	+	98448479	98448580	0	1	101,		0	-4.34	-3.26	1.71	-0.87	-2.18
chr5	479638	479838	SLC9A3-A'	0.00049	+	479638	479838	0	1	200,		0	-3.31	-2.31	2.5	-0.866	-2.18
chr15	30626135	30626634	ACO91057	3.20E-10	+	30626135	30626634	0	1	499,		0	-9.49	-8.72	3.17	-0.873	-2.18
chr19	12132422	12132972	ZNF20	3.20E-08	-	12132422	12132972	0	1	550,		0	-7.5	-7.03	6.58	-0.859	-2.17
chr1	1.56E+08	1.56E+08	PAQR6	0.00091	-	1.56E+08	1.56E+08	0	1	100,		0	-3.04	-2.07	1.5	-0.862	-2.17
chr8	94930614	94939908	TP53INP1	9.30E-06	-	94930614	94939908	0	3	114,38,49,	0,1455,9245		-5.03	-3.88	3.38	-0.862	-2.17
chrX	76176956	76178012	PBDC1	1.60E-09	+	76176956	76178012	0	2	36,397,	0,659		-8.8	-8.16	5.75	-0.855	-2.16
chr19	18667726	18667877	KLHL26	0.00036	+	18667726	18667877	0	1	151,		0	-3.44	-3.29	3.08	-0.855	-2.16
chr2	1.66E+08	1.66E+08	CSRNP3	4.00E-08	+	1.66E+08	1.66E+08	0	1	251,		0	-7.4	-6.95	9	-0.855	-2.16
chr20	44224977	44225128	OSER1-DT	0.0025	+	44224977	44225128	0	1	151,		0	-2.6	-1.66	3.25	-0.854	-2.16
chr22	41254410	41256087	RANGAP1	7.90E-11	-	41254410	41256087	0	2	84,67,	0,1610		-10.1	-9.21	1.65	-0.852	-2.15

chr1	11719636	11719737	DRAXIN	1.20E-06	+	11719636	11719737	0	1	101,	0	-5.92	-4.66	6.25	-0.851	-2.15
chr8	1.42E+08	1.42E+08	TSNARE1	6.60E-05	-	1.42E+08	1.42E+08	0	1	300,	0	-4.18	-3.11	6	-0.84	-2.14
chr11	70435433	70435684	CTTN	4.20E-06	+	70435433	70435684	0	1	251,	0	-5.38	-5.12	2.19	-0.836	-2.13
chr17	49575906	49576203	NXPH3	2.00E-07	+	49575906	49576203	0	1	297,	0	-6.69	-6.31	12.3	-0.834	-2.13
chr5	1.41E+08	1.41E+08	PCDHGB7	0.00091	+	1.41E+08	1.41E+08	0	1	250,	0	-3.04	-2.07	7	-0.835	-2.13
chr7	1.21E+08	1.21E+08	TSPAN12	0.00036	-	1.21E+08	1.21E+08	0	1	149,	0	-3.44	-3.29	2.67	-0.831	-2.12
chr16	88570430	88586647	ZC3H18	2.00E-13	+	88570430	88586647	0	3	136,617,48,	0,6679,16169	-12.7	-11.2	5	-0.83	-2.12
chr19	49107857	49108456	SNRNP70	1.00E-10	+	49107857	49108456	0	1	599,	0	-10	-9.15	1.43	-0.828	-2.11
chr19	42378469	42378669	MEGF8	5.10E-06	+	42378469	42378669	0	1	200,	0	-5.29	-5.04	3.17	-0.823	-2.11
chr10	1.01E+08	1.01E+08	TWNK	4.80E-08	+	1.01E+08	1.01E+08	0	1	499,	0	-7.32	-6.87	5.58	-0.828	-2.11
chr11	65581533	65581982	EHPB1L1	1.20E-07	+	65581533	65581982	0	1	449,	0	-6.91	-6.51	1.7	-0.828	-2.11
chr11	58579162	58579411	ZFP91	4.00E-10	+	58579162	58579411	0	1	249,	0	-9.4	-8.65	2.46	-0.828	-2.11
chr17	48613281	48613479	HOXB8	4.00E-11	-	48613281	48613479	0	1	198,	0	-10.4	-9.44	5.68	-0.817	-2.1
chr6	93410902	93411152	EPHA7	3.70E-05	-	93410902	93411152	0	1	250,	0	-4.43	-4.23	6.91	-0.818	-2.1
chr20	49887944	49888095	SLC9A8	2.00E-05	+	49887944	49888095	0	1	151,	0	-4.69	-3.57	3.5	-0.819	-2.1
chr9	95446377	95446478	PTCH1	0.00015	-	95446377	95446478	0	1	101,	0	-3.82	-3.66	1.8	-0.813	-2.09
chr6	31463834	31463934	HCP5	5.20E-05	+	31463834	31463934	0	1	100,	0	-4.28	-3.2	4.4	-0.808	-2.09
chr5	473831	475170	SLC9A3-A'	1.90E-06	+	473831	475170	0	2	215,34,	0,1305	-5.72	-5.43	3.57	-0.813	-2.09
chr19	58440943	58441241	ACO12313	5.20E-05	+	58440943	58441241	0	1	298,	0	-4.28	-3.2	3.12	-0.811	-2.09
chr15	72231273	72231473	PKM	3.30E-06	-	72231273	72231473	0	1	200,	0	-5.48	-4.27	5.25	-0.804	-2.08
chr1	2.18E+08	2.18E+08	RRP15	1.50E-10	+	2.18E+08	2.18E+08	0	1	151,	0	-9.82	-8.99	2.96	-0.805	-2.08
chr10	78035580	78035730	RPS24	0.00038	+	78035580	78035730	0	1	150,	0	-3.42	-3.27	1.14	-0.802	-2.08
chr18	21363639	21363740	GREB1L	0.0018	+	21363639	21363740	0	1	101,	0	-2.75	-2.62	4.36	-0.803	-2.08
chr17	81868761	81869059	ARHGDI4	4.30E-08	-	81868761	81869059	0	1	298,	0	-7.37	-6.92	3.71	-0.803	-2.08
chr10	31319246	31320167	ZEB1	1.50E-09	+	31319246	31320167	0	2	46,55,	0,866	-8.81	-8.16	2.65	-0.802	-2.08
chr19	48750555	48750706	FUT1	0.00032	-	48750555	48750706	0	1	151,	0	-3.49	-2.48	2.17	-0.803	-2.08
chr11	76385843	76386193	GVQW3	7.60E-06	+	76385843	76386193	0	1	350,	0	-5.12	-3.95	3.75	-0.802	-2.08
chr8	51946797	51947195	ACO64807	1.50E-05	+	51946797	51947195	0	1	398,	0	-4.83	-3.69	4.6	-0.805	-2.08
chr1	52055172	52055572	TXNDC12	0.00091	-	52055172	52055572	0	1	400,	0	-3.04	-2.9	4	-0.798	-2.07
chr2	1.35E+08	1.35E+08	ZRANB3	0.00025	-	1.35E+08	1.35E+08	0	2	41,310,	0,4511	-3.6	-3.45	4.33	-0.796	-2.07
chr16	3301201	3301301	TIGD7	0.00068	-	3301201	3301301	0	1	100,	0	-3.17	-2.19	1.56	-0.799	-2.07
chr10	1.28E+08	1.28E+08	MKI67	4.70E-10	-	1.28E+08	1.28E+08	0	1	2050,	0	-9.33	-8.6	6.45	-0.8	-2.07
chr19	18155569	18155969	ACO07192	1.80E-05	+	18155569	18155969	0	1	400,	0	-4.75	-4.54	3.48	-0.8	-2.07
chr5	34925301	34925500	BRX1	3.80E-10	+	34925301	34925500	0	1	199,	0	-9.42	-8.67	1.45	-0.792	-2.06
chr11	62533868	62534019	AHNAK	6.30E-05	-	62533868	62534019	0	1	151,	0	-4.2	-4.01	5	-0.794	-2.06
chr5	1.4E+08	1.4E+08	ANKHD1	1.00E-08	+	1.4E+08	1.4E+08	0	1	200,	0	-8	-7.47	2.55	-0.79	-2.06
chr11	1.17E+08	1.17E+08	SIK3	6.20E-06	-	1.17E+08	1.17E+08	0	1	201,	0	-5.21	-4.97	4.92	-0.792	-2.06
chr14	49618816	49620586	RPL36AL	9.80E-09	-	49618816	49620586	0	2	324,25,	0,1745	-8.01	-7.48	3.09	-0.794	-2.06
chr16	67185437	67186260	EXOC3L1	6.90E-05	-	67185437	67186260	0	2	227,24,	0,799	-4.16	-3.09	5.33	-0.79	-2.06
chr17	81637730	81637981	TSPAN10	5.40E-09	+	81637730	81637981	0	1	251,	0	-8.27	-7.7	3.44	-0.791	-2.06
chr19	10334522	10335518	ICAM3	2.80E-05	-	10334522	10335518	0	1	996,	0	-4.55	-4.35	5.8	-0.784	-2.05
chr2	2.07E+08	2.07E+08	KLF7	0.0014	-	2.07E+08	2.07E+08	0	1	100,	0	-2.86	-1.9	2.5	-0.789	-2.05
chr2	40430044	40446454	SLC8A1	2.20E-07	-	40430044	40446454	0	2	260,40,	0,16370	-6.65	-6.28	3.8	-0.784	-2.05
chr1	2.23E+08	2.23E+08	AIDA	7.20E-06	-	2.23E+08	2.23E+08	0	1	299,	0	-5.14	-4.9	3.5	-0.788	-2.05
chr5	36875253	36875453	NIPBL-DT	1.60E-07	-	36875253	36875453	0	1	200,	0	-6.79	-5.42	2.75	-0.786	-2.05
chr22	37639498	37639748	SH3BP1	5.60E-10	+	37639498	37639748	0	1	250,	0	-9.25	-8.53	2.56	-0.783	-2.04
chr3	50584982	50585283	HEMK1	3.50E-08	+	50584982	50585283	0	1	301,	0	-7.45	-6.99	10.2	-0.783	-2.04
chr2	25282537	25342490	DNMT3A	3.30E-08	-	25282537	25342490	0	5	174,105,249,0,17601,3137!		-7.48	-7.02	2.33	-0.783	-2.04
chr10	69208700	69208999	SUPV3L1	4.00E-13	+	69208700	69208999	0	1	299,	0	-12.4	-11	4.87	-0.78	-2.04
chr7	1.01E+08	1.01E+08	ACHE	0.0026	-	1.01E+08	1.01E+08	0	1	249,	0	-2.58	-2.45	5.6	-0.776	-2.03
chr17	68511928	68512414	PRKAR1A	6.30E-07	+	68511928	68512414	0	2	214,36,	0,450	-6.2	-5.87	2.41	-0.776	-2.03

chr14	60092410	60108277	PCNX4	5.60E-08	+	60092410	60108277	0	2	9,692,	0,15175		-7.25	-6.81	5.38	-0.776	-2.03
chr19	18281180	18281573	JUND	5.60E-05	-	18281180	18281573	0	1	393,		0	-4.25	-4.07	1.48	-0.779	-2.03
chr11	1.19E+08	1.19E+08	NLRX1	0.00012	+	1.19E+08	1.19E+08	0	1	300,		0	-3.92	-3.75	2.62	-0.779	-2.03
chr10	68956268	68956496	DDX21	0.0015	+	68956268	68956496	0	2	44,57,	0,171		-2.82	-2.69	1.31	-0.776	-2.03
chr3	1.26E+08	1.26E+08	LINC02614	6.80E-06	-	1.26E+08	1.26E+08	0	1	300,		0	-5.17	-3.99	5.2	-0.779	-2.03
chr1	2.45E+08	2.45E+08	HNRNPU	1.00E-12	-	2.45E+08	2.45E+08	0	1	600,		0	-12	-10.7	1.4	-0.77	-2.02
chr10	42830316	42831307	BMS1	1.30E-13	+	42830316	42831307	0	2	106,442,	0,549		-12.9	-11.4	5.31	-0.772	-2.02
chr15	55620081	55620677	PRTG	1.60E-05	-	55620081	55620677	0	2	185,15,	0,581		-4.79	-4.58	5.5	-0.769	-2.02
chr21	46244457	46244757	MCM3AP-	1.30E-07	+	46244457	46244757	0	1	300,		0	-6.87	-5.49	4.5	-0.77	-2.02
chr1	1.5E+08	1.5E+08	AC244033	0.00044	-	1.5E+08	1.5E+08	0	1	300,		0	-3.36	-3.21	3.78	-0.773	-2.02
chr9	1.14E+08	1.14E+08	AKNA	1.70E-07	-	1.14E+08	1.14E+08	0	2	277,22,	0,6690		-6.76	-6.37	2.83	-0.766	-2.01
chr1	85707737	85708334	ZNHIT6	3.20E-14	-	85707737	85708334	0	1	597,		0	-13.5	-11.9	3.64	-0.766	-2.01
chr21	37367257	37367608	DYRK1A	1.20E-08	+	37367257	37367608	0	1	351,		0	-7.91	-7.39	2.16	-0.766	-2.01
chr19	36237275	36238275	ZNF146	1.90E-08	+	36237275	36238275	0	1	1000,		0	-7.72	-7.23	5.86	-0.766	-2.01
chr8	1.45E+08	1.45E+08	ZNF517	4.60E-05	+	1.45E+08	1.45E+08	0	1	200,		0	-4.34	-3.26	2	-0.768	-2.01
chr19	46649140	46649240	DACT3	1.50E-06	-	46649140	46649240	0	1	100,		0	-5.83	-5.53	2.47	-0.766	-2.01
chr7	1.07E+08	1.07E+08	HBP1	1.20E-05	+	1.07E+08	1.07E+08	0	1	151,		0	-4.91	-4.69	2.71	-0.762	-2
chr1	2.28E+08	2.28E+08	SNAP47	0.00013	+	2.28E+08	2.28E+08	0	1	150,		0	-3.9	-3.73	2.36	-0.764	-2
chr1	43450353	43451153	SZT2	2.30E-08	+	43450353	43451153	0	1	800,		0	-7.64	-7.16	8.5	-0.763	-2
chr19	45499342	45499442	PPM1N	0.0037	+	45499342	45499442	0	1	100,		0	-2.43	-1.51	2	-0.763	-2
chr21	33309241	33309342	IL10RB	1.70E-08	+	33309241	33309342	0	1	101,		0	-7.76	-6.25	2.5	-0.758	-2
chrX	48902297	48902447	PQBP1	5.80E-08	+	48902297	48902447	0	1	150,		0	-7.24	-6.8	1.35	-0.754	-1.99
chr12	55743378	55743479	GDF11	1.70E-08	+	55743378	55743479	0	1	101,		0	-7.76	-7.26	2.1	-0.754	-1.99
chr5	52799931	52800131	PELO	3.20E-12	+	52799931	52800131	0	1	200,		0	-11.5	-10.3	2.29	-0.754	-1.99
chr4	80202533	80202734	PRDM8	5.00E-08	+	80202533	80202734	0	1	201,		0	-7.3	-5.85	3.86	-0.756	-1.99
chr2	1.3E+08	1.3E+08	MED15P9	1.60E-05	+	1.3E+08	1.3E+08	0	1	148,		0	-4.79	-4.58	3.25	-0.754	-1.99
chr2	2.37E+08	2.37E+08	AC012063	4.90E-06	-	2.37E+08	2.37E+08	0	1	201,		0	-5.31	-4.12	3.4	-0.756	-1.99
chr2	27774488	27779539	MRPL33	5.10E-10	+	27774488	27779539	0	2	42,107,	0,4944		-9.29	-8.56	1.51	-0.755	-1.99
chr10	96522205	96522306	TM9SF3	2.90E-05	-	96522205	96522306	0	1	101,		0	-4.54	-4.34	1.69	-0.749	-1.98
chr20	18142636	18142829	KAT14	1.60E-07	+	18142636	18142829	0	1	193,		0	-6.79	-6.4	2.53	-0.752	-1.98
chr7	1.01E+08	1.01E+08	TRIM56	3.20E-08	+	1.01E+08	1.01E+08	0	1	1998,		0	-7.49	-7.02	10.4	-0.751	-1.98
chr19	51337351	51337451	VSIG10L	0.00037	-	51337351	51337451	0	1	100,		0	-3.43	-2.43	1.17	-0.748	-1.98
chr16	30527015	30527311	AC002310	4.70E-08	+	30527015	30527311	0	1	296,		0	-7.33	-6.88	3	-0.748	-1.98
chr13	98448477	98448578	STK24	0.00017	-	98448477	98448578	0	1	101,		0	-3.76	-2.73	1.54	-0.745	-1.97
chr5	1.4E+08	1.4E+08	NRG2	0.0011	-	1.4E+08	1.4E+08	0	1	349,		0	-2.95	-2.81	11.8	-0.746	-1.97
chr11	35663023	35663672	TRIM44	7.90E-14	+	35663023	35663672	0	1	649,		0	-13.1	-11.5	2.59	-0.744	-1.97
chr5	1.41E+08	1.41E+08	PCDHGA1	0.0011	+	1.41E+08	1.41E+08	0	1	101,		0	-2.94	-1.97	1.75	-0.743	-1.97
chr19	8444911	8445157	AC136469	9.10E-09	-	8444911	8445157	0	1	246,		0	-8.04	-7.5	1.82	-0.743	-1.97
chr5	1.54E+08	1.54E+08	SAP30L	9.30E-10	+	1.54E+08	1.54E+08	0	1	349,		0	-9.03	-8.35	6	-0.736	-1.96
chr2	96208501	96208800	STARD7-A	1.20E-08	+	96208501	96208800	0	1	299,		0	-7.91	-7.39	2.45	-0.736	-1.96
chr11	58609990	58612297	ZFP91-CN	1.80E-10	+	58609990	58612297	0	5	49,37,105,130,307,959,161			-9.75	-8.93	1.79	-0.738	-1.96
chr7	44885051	44885450	AC004854	7.10E-08	+	44885051	44885450	0	1	399,		0	-7.15	-6.72	3.36	-0.738	-1.96
chr22	36141519	36141718	APOL3	5.00E-06	-	36141519	36141718	0	1	199,		0	-5.3	-4.11	2.17	-0.729	-1.95
chr10	60059905	60060006	ANK3	6.30E-05	-	60059905	60060006	0	1	101,		0	-4.2	-3.13	1.36	-0.735	-1.95
chr17	4143464	4143664	CYB5D2	1.90E-05	+	4143464	4143664	0	1	200,		0	-4.72	-4.51	2.92	-0.733	-1.95
chr3	1.78E+08	1.78E+08	LINC0057E	5.60E-06	+	1.78E+08	1.78E+08	0	1	150,		0	-5.25	-4.07	2.8	-0.732	-1.95
chr8	76707813	76707964	ZFHx4	0.0015	+	76707813	76707964	0	1	151,		0	-2.81	-1.86	2.29	-0.729	-1.94
chr22	43946522	43946672	PNPLA3	0.0023	+	43946522	43946672	0	1	150,		0	-2.64	-1.7	4	-0.727	-1.94
chr17	64500164	64500587	DDX5	3.70E-07	-	64500164	64500587	0	2	162,39,	0,384		-6.43	-6.09	1.83	-0.723	-1.94
chrM	15489	15689	MT-CYB	1.30E-63	+	15489	15689	0	1	200,		0	-62.9	-59.6	1.09	-0.729	-1.94
chr8	26508674	26508873	PNMA2	0.0011	-	26508674	26508873	0	1	199,		0	-2.95	-1.99	2.5	-0.729	-1.94

chr1	22576658	22576758	EPHA8	4.60E-05	+	22576658	22576758	0	1	100,	0	-4.34	-3.25	3.5	-0.722	-1.93
chr7	905390	919990	ADAP1	8.50E-07	-	905390	919990	0	2	226,23,	0,14577	-6.07	-5.75	4.71	-0.723	-1.93
chr2	69643836	69674049	AAK1	4.70E-05	-	69643836	69674049	0	2	124,27,	0,30186	-4.33	-3.25	3.22	-0.722	-1.93
chr18	57477201	57477352	ONECUT2	0.00021	+	57477201	57477352	0	1	151,	0	-3.68	-2.66	2.8	-0.723	-1.93
chr1	39411853	39412803	MACF1	2.00E-08	+	39411853	39412803	0	1	950,	0	-7.69	-7.19	7.4	-0.721	-1.93
chr10	7964897	7977291	TAF3	7.90E-11	+	7964897	7977291	0	2	845,51,	0,12343	-10.1	-9.22	10.9	-0.722	-1.93
chr22	19448092	19448292	AC000068	5.20E-06	+	19448092	19448292	0	1	200,	0	-5.28	-4.09	3.6	-0.722	-1.93
chr11	58609987	58612297	ZFP91	4.00E-10	+	58609987	58612297	0	5	52,37,105,130,310,962,161		-9.4	-8.65	1.79	-0.722	-1.93
chr2	2.32E+08	2.32E+08	PTMA	0.00055	+	2.32E+08	2.32E+08	0	1	100,	0	-3.26	-3.12	2	-0.722	-1.93
chr19	1776505	1776954	ONECUT3	0.00023	+	1776505	1776954	0	1	449,	0	-3.63	-3.47	8.14	-0.722	-1.93
chr1	32470599	32470700	ZBTB8B	4.00E-12	+	32470599	32470700	0	1	101,	0	-11.4	-9.22	2.22	-0.722	-1.93
chr8	76705700	76705801	ZFXH4	0.00043	+	76705700	76705801	0	1	101,	0	-3.37	-3.22	12	-0.715	-1.92
chr11	1.08E+08	1.08E+08	ATM	0.0038	+	1.08E+08	1.08E+08	0	1	101,	0	-2.42	-1.5	1.67	-0.717	-1.92
chr19	43997638	43997788	AC006213	0.0027	-	43997638	43997788	0	1	150,	0	-2.57	-2.44	5.13	-0.713	-1.92
chr19	45940000	45940249	NOVA2	0.0026	-	45940000	45940249	0	1	249,	0	-2.59	-2.47	6.14	-0.709	-1.91
chr10	17142270	17142719	TRDMT1	2.40E-07	-	17142270	17142719	0	1	449,	0	-6.62	-5.27	4.17	-0.705	-1.91
chr2	1.19E+08	1.19E+08	STEAP3	4.00E-04	+	1.19E+08	1.19E+08	0	1	299,	0	-3.4	-3.26	6.17	-0.707	-1.91
chr17	30180994	30185732	NSRP1	2.00E-14	+	30180994	30185732	0	2	22,1118,	0,3620	-13.7	-12	7.15	-0.706	-1.91
chr17	48613296	48613479	HOXB8	3.20E-26	-	48613296	48613479	0	1	183,	0	-25.5	-22.9	6.39	-0.704	-1.9
chr7	1.35E+08	1.35E+08	CALD1	1.00E-09	+	1.35E+08	1.35E+08	0	1	201,	0	-8.98	-8.31	1.29	-0.699	-1.9
chr15	75049321	75049622	PPCDC	9.50E-10	+	75049321	75049622	0	1	301,	0	-9.02	-8.34	4.41	-0.704	-1.9
chr2	1.8E+08	1.8E+08	CWC22	3.20E-11	-	1.8E+08	1.8E+08	0	2	493,104,	0,5289	-10.5	-9.57	8.5	-0.699	-1.9
chr11	64988438	64988636	BATF2	1.00E-04	-	64988438	64988636	0	1	198,	0	-3.99	-2.94	1.43	-0.702	-1.9
chr15	84641275	84641376	WDR73	0.00021	-	84641275	84641376	0	1	101,	0	-3.67	-2.65	2	-0.699	-1.9
chr10	79684640	79684983	AL132656	3.20E-26	-	79684640	79684983	0	1	343,	0	-25.5	-22.9	7	-0.699	-1.9
chr13	30658680	30658830	USPL1	1.70E-06	+	30658680	30658830	0	1	150,	0	-5.77	-4.52	2.17	-0.696	-1.89
chr10	13707289	13707390	FRMD4A	0.00014	-	13707289	13707390	0	1	101,	0	-3.85	-2.81	2	-0.698	-1.89
chr5	1293942	1294293	TERT	1.50E-06	-	1293942	1294293	0	1	351,	0	-5.81	-5.52	5.5	-0.695	-1.89
chr19	4494206	4496332	HDFGL2	1.00E-11	+	4494206	4496332	0	2	269,31,	0,2095	-11	-9.96	1.2	-0.695	-1.89
chr18	12326048	12326544	TUBB6	7.90E-11	+	12326048	12326544	0	1	496,	0	-10.1	-9.22	4.6	-0.698	-1.89
chr6	1.6E+08	1.6E+08	IGF2R	3.20E-11	+	1.6E+08	1.6E+08	0	3	2,70,729,	0,1076,2004	-10.5	-9.55	5.41	-0.696	-1.89
chr5	1.39E+08	1.39E+08	PROB1	0.00043	-	1.39E+08	1.39E+08	0	1	100,	0	-3.37	-2.37	2	-0.698	-1.89
chr19	49850933	49851281	PTOV1	1.00E-04	+	49850933	49851281	0	1	348,	0	-4	-3.83	3.57	-0.691	-1.88
chr6	10528640	10528890	GCNT2	5.00E-07	+	10528640	10528890	0	1	250,	0	-6.3	-5.97	3.44	-0.688	-1.88
chr12	389372	389523	CCDC77	6.30E-06	+	389372	389523	0	1	151,	0	-5.2	-4.96	3.71	-0.689	-1.88
chr4	1.39E+08	1.39E+08	PPP1R14B	0.00065	-	1.39E+08	1.39E+08	0	1	100,	0	-3.19	-2.21	2.45	-0.691	-1.88
chr17	74917762	74917911	USH1G	0.00025	-	74917762	74917911	0	1	149,	0	-3.61	-2.6	4.71	-0.688	-1.88
chr9	38622292	38622493	FAM201A	9.30E-08	+	38622292	38622493	0	1	201,	0	-7.03	-6.62	8	-0.689	-1.88
chr11	18588830	18595650	SPTY2D1C	3.20E-11	+	18588830	18595650	0	2	165,34,	0,6786	-10.5	-9.52	3.19	-0.689	-1.88
chr9	35609582	35609981	CD72	7.90E-18	-	35609582	35609981	0	1	399,	0	-17.1	-14.9	11.9	-0.682	-1.87
chr19	44066467	44066616	AC092072	4.70E-06	+	44066467	44066616	0	1	149,	0	-5.33	-4.13	5.6	-0.682	-1.87
chr11	76381551	76382251	GVQW3	4.60E-09	+	76381551	76382251	0	1	700,	0	-8.34	-7.76	17.2	-0.688	-1.87
chr6	75890078	75892563	MYO6	5.80E-10	+	75890078	75892563	0	3	187,79,34,	0,1149,2451	-9.24	-8.52	2.47	-0.682	-1.87
chr19	47430054	47430155	SLC8A2	0.005	-	47430054	47430155	0	1	101,	0	-2.3	-1.38	5.25	-0.677	-1.86
chr5	1.41E+08	1.41E+08	WDR55	5.00E-11	+	1.41E+08	1.41E+08	0	2	4,446,	0,88	-10.3	-9.38	3.83	-0.677	-1.86
chr6	2765960	2766209	WRNIP1	1.40E-07	+	2765960	2766209	0	1	249,	0	-6.84	-6.45	1.94	-0.679	-1.86
chr19	17504526	17504776	SLC27A1	2.60E-05	+	17504526	17504776	0	1	250,	0	-4.59	-4.38	4.4	-0.681	-1.86
chr2	43699777	43700077	PLEKHH2	1.90E-06	+	43699777	43700077	0	1	300,	0	-5.71	-4.47	4	-0.679	-1.86
chr11	11942334	11943033	USP47	2.00E-14	+	11942334	11943033	0	1	699,	0	-13.7	-12	9.2	-0.681	-1.86
chr7	1E+08	1E+08	ASP4M1	4.90E-09	+	1E+08	1E+08	0	1	300,	0	-8.31	-7.74	9.5	-0.677	-1.86
chr18	76492590	76492935	AC018413	0.00012	+	76492590	76492935	0	1	345,	0	-3.92	-3.75	4.31	-0.676	-1.86

chr3	89209927	89210027	EPHA3	4.10E-05	+	89209927	89210027	0	1	100,	0	-4.39	-3.3	5.8	-0.676	-1.85
chr17	81557186	81557287	NPLOC4	3.80E-08	-	81557186	81557287	0	1	101,	0	-7.42	-6.97	2.2	-0.676	-1.85
chr10	12828824	12829124	CAMK1D	3.30E-09	+	12828824	12829124	0	1	300,	0	-8.48	-7.89	9.5	-0.669	-1.85
chr14	23940117	23940867	DHRS4-AS	1.40E-08	-	23940117	23940867	0	1	750,	0	-7.85	-7.33	6.25	-0.676	-1.85
chr6	2481037	2481187	GMDS-DT	0.00063	+	2481037	2481187	0	1	150,	0	-3.2	-2.22	2.25	-0.669	-1.85
chrX	1.54E+08	1.54E+08	PLXNA3	0.00074	+	1.54E+08	1.54E+08	0	1	150,	0	-3.13	-2.15	2.67	-0.668	-1.84
chr7	47277396	47277497	TNS3	0.00048	-	47277396	47277497	0	1	101,	0	-3.32	-2.33	3	-0.668	-1.84
chr12	57225031	57225227	NXPH4	2.60E-05	+	57225031	57225227	0	1	196,	0	-4.59	-4.38	4.8	-0.668	-1.84
chr8	23100651	23103409	AC107959	3.50E-08	+	23100651	23103409	0	2	33,713,	0,2045	-7.46	-7	8	-0.664	-1.84
chr6	15246118	15246269	JARID2	0.0015	+	15246118	15246269	0	1	151,	0	-2.83	-2.7	2.65	-0.661	-1.83
chrX	1.54E+08	1.54E+08	DNASE1L1	1.80E-09	-	1.54E+08	1.54E+08	0	1	100,	0	-8.75	-7.08	2.57	-0.663	-1.83
chr19	58499581	58500559	SAC27A5	0.0028	-	58499581	58500559	0	3	109,91,48,	0,757,930	-2.56	-2.44	4.69	-0.663	-1.83
chr1	36178046	36178853	MLP7D1	8.50E-10	+	36178046	36178853	0	2	155,443,	0,364	-9.07	-8.38	3	-0.663	-1.83
chr10	72005784	72005885	CHST3	0.001	+	72005784	72005885	0	1	101,	0	-3	-2.87	2.18	-0.664	-1.83
chr19	11145998	11146397	SPC24	1.30E-12	-	11145998	11146397	0	1	399,	0	-11.9	-10.6	4.7	-0.663	-1.83
chr19	3958602	3959602	DAPK3	1.30E-11	-	3958602	3959602	0	1	1000,	0	-10.9	-9.89	10.4	-0.663	-1.83
chr8	1.44E+08	1.44E+08	PLEC	1.90E-07	-	1.44E+08	1.44E+08	0	1	251,	0	-6.71	-6.34	1.92	-0.663	-1.83
chrX	76428916	76429116	MAGEE1	1.40E-06	+	76428916	76429116	0	1	200,	0	-5.85	-4.6	3.4	-0.663	-1.83
chr2	38076549	38082722	CYP1B1-A	9.50E-06	+	38076549	38082722	0	3	11,65,25,	0,5922,6148	-5.02	-3.87	5.5	-0.664	-1.83
chr19	13831328	13831579	AC020916	1.70E-06	-	13831328	13831579	0	1	251,	0	-5.76	-4.52	2.38	-0.664	-1.83
chr8	66430230	66442836	AC009879	2.50E-23	+	66430230	66442836	0	2	148,39,	0,12567	-22.6	-20.1	8.69	-0.663	-1.83
chr6	1.16E+08	1.16E+08	DSE	8.30E-09	+	1.16E+08	1.16E+08	0	2	45,105,	0,28121	-8.08	-7.54	2	-0.66	-1.82
chr20	14326427	14326528	FLRT3	8.30E-07	-	14326427	14326528	0	1	101,	0	-6.08	-4.8	4.5	-0.658	-1.82
chr9	1.16E+08	1.16E+08	ASTN2	9.10E-06	-	1.16E+08	1.16E+08	0	1	201,	0	-5.04	-3.88	3.67	-0.66	-1.82
chr10	1.03E+08	1.03E+08	CNNM2	2.00E-09	+	1.03E+08	1.03E+08	0	1	450,	0	-8.7	-8.07	2.15	-0.659	-1.82
chr19	9758181	9758331	ZNF846	0.00043	-	9758181	9758331	0	1	150,	0	-3.37	-2.37	4.5	-0.66	-1.82
chr6	27133891	27134042	HIST1H2A	5.80E-06	+	27133891	27134042	0	1	151,	0	-5.24	-4.05	2.89	-0.659	-1.82
chr5	1.81E+08	1.81E+08	RACK1	3.20E-08	-	1.81E+08	1.81E+08	0	1	150,	0	-7.5	-7.03	2.18	-0.658	-1.82
chr13	81690152	81690443	PTMAP5	1.40E-07	+	81690152	81690443	0	1	291,	0	-6.84	-6.45	5.25	-0.659	-1.82
chr12	49018985	49019136	DDN-AS1	0.0048	+	49018985	49019136	0	1	151,	0	-2.32	-2.2	5	-0.658	-1.82
chr10	38451555	38451755	AL133216	0.0047	+	38451555	38451755	0	1	200,	0	-2.33	-1.42	3.6	-0.66	-1.82
chr5	473249	473350	SLC9A3	0.00069	-	473249	473350	0	1	101,	0	-3.16	-3.02	1.77	-0.653	-1.81
chr19	18155572	18155971	PIK3R2	6.90E-06	+	18155572	18155971	0	1	399,	0	-5.16	-4.92	3.41	-0.655	-1.81
chr2	2.2E+08	2.2E+08	OBSL1	1.10E-05	-	2.2E+08	2.2E+08	0	1	200,	0	-4.96	-4.73	3.29	-0.653	-1.81
chr10	95876465	95876666	ENTPD1	0.00044	+	95876465	95876666	0	1	201,	0	-3.36	-2.36	2.09	-0.655	-1.81
chr10	277076	277525	DIP2C	8.70E-07	-	277076	277525	0	1	449,	0	-6.06	-5.75	8	-0.653	-1.81
chrX	73850575	73850676	XIST	3.70E-06	-	73850575	73850676	0	1	101,	0	-5.43	-5.16	2	-0.655	-1.81
chrX	1.5E+08	1.5E+08	LINC00894	2.00E-13	+	1.5E+08	1.5E+08	0	2	231,19,	0,1008	-12.7	-11.2	4.2	-0.653	-1.81
chr19	57516086	57516381	AC003005	0.00042	+	57516086	57516381	0	1	295,	0	-3.38	-2.38	5.5	-0.654	-1.81
chr19	58349626	58350368	AC012313	3.40E-06	-	58349626	58350368	0	1	742,	0	-5.47	-5.2	14.5	-0.655	-1.81
chr2	69829709	69837553	GMCL1	3.20E-11	+	69829709	69837553	0	2	443,7,	0,7837	-10.5	-9.53	2.98	-0.652	-1.8
chr18	57435623	57435724	ONECUT2	0.00034	+	57435623	57435724	0	1	101,	0	-3.47	-2.47	2.67	-0.652	-1.8
chr20	62285952	62286203	OSBPL2	8.30E-06	+	62285952	62286203	0	1	251,	0	-5.08	-3.92	5.75	-0.65	-1.8
chr19	14518270	14527390	DNAJB1	1.30E-08	-	14518270	14527390	0	2	127,24,	0,9096	-7.88	-7.36	2.11	-0.649	-1.8
chr20	45878031	45878478	ZSWIM3	2.30E-05	+	45878031	45878478	0	1	447,	0	-4.63	-3.52	5	-0.649	-1.8
chr11	32853725	32854076	PRRG4	2.40E-07	+	32853725	32854076	0	1	351,	0	-6.62	-6.26	9.85	-0.649	-1.8
chr2	95158982	95159333	ZNF514	1.70E-06	-	95158982	95159333	0	1	351,	0	-5.77	-5.48	3.79	-0.65	-1.8
chr11	67119412	67119562	KDM2A	0.0011	+	67119412	67119562	0	1	150,	0	-2.96	-2.83	1.9	-0.652	-1.8
chr19	11806100	11806200	ZNF491	3.20E-06	+	11806100	11806200	0	1	100,	0	-5.49	-4.28	3.5	-0.651	-1.8
chr2	1.66E+08	1.66E+08	CSRNP3	4.00E-08	+	1.66E+08	1.66E+08	0	1	101,	0	-7.4	-5.94	3.75	-0.651	-1.8
chr16	27749629	27750228	KIAA0556	2.70E-07	+	27749629	27750228	0	1	599,	0	-6.57	-6.21	8.83	-0.643	-1.79

chr2	1.78E+08	1.78E+08	PDE11A	1.40E-05	-	1.78E+08	1.78E+08	0	1	150,	0	-4.84	-3.71	9.5	-0.643	-1.79
chr9	98011331	98015550	ANP32B	1.20E-07	+	98011331	98015550	0	3	58,52,187,	0,1089,4032	-6.92	-6.52	1.45	-0.647	-1.79
chr19	14074767	14074964	MISP3	3.10E-05	+	14074767	14074964	0	1	197,	0	-4.51	-4.31	8.7	-0.644	-1.79
chr6	26156730	26156966	HIST1H1E	1.30E-05	+	26156730	26156966	0	1	236,	0	-4.88	-4.66	1.15	-0.644	-1.79
chr19	58573552	58575471	CENPBD1F	1.00E-12	+	58573552	58575471	0	2	117,34,	0,1885	-12	-10.7	6	-0.643	-1.79
chr12	89525635	89540146	POC1B-AS	4.20E-06	+	89525635	89540146	0	2	161,39,	0,14472	-5.38	-5.12	4.92	-0.648	-1.79
chr1	36296687	36304314	THRAP3	3.20E-11	+	36296687	36304314	0	4	83,199,144,50,4198,4865,7		-10.5	-9.52	2.86	-0.64	-1.78
chr6	34059324	34059425	GRM4	0.00032	-	34059324	34059425	0	1	101,	0	-3.49	-2.48	2	-0.64	-1.78
chr19	17726275	17726376	MAP1S	1.60E-11	+	17726275	17726376	0	1	101,	0	-10.8	-8.68	1.75	-0.64	-1.78
chr19	10115063	10115512	EIF3G	8.90E-07	-	10115063	10115512	0	2	66,34,	0,415	-6.05	-5.74	4.83	-0.639	-1.78
chr14	24426925	24427419	CBLN3	1.60E-05	-	24426925	24427419	0	1	494,	0	-4.8	-3.67	5	-0.64	-1.78
chr12	1.1E+08	1.1E+08	UBE3B	7.20E-08	+	1.1E+08	1.1E+08	0	1	649,	0	-7.14	-6.71	9.58	-0.643	-1.78
chr3	1.14E+08	1.14E+08	ZBTB20	0.00017	-	1.14E+08	1.14E+08	0	1	101,	0	-3.77	-2.74	2	-0.64	-1.78
chr4	56505803	56506099	ARL9	1.10E-08	+	56505803	56506099	0	1	296,	0	-7.97	-7.45	7	-0.639	-1.78
chr17	2043143	2043378	AC090617	1.50E-05	-	2043143	2043378	0	1	235,	0	-4.83	-4.61	4.21	-0.639	-1.78
chr17	43164622	43165770	AC060780	0.0047	-	43164622	43165770	0	2	190,11,	0,1137	-2.33	-1.42	2.8	-0.64	-1.78
chr11	2644863	2644964	KCNQ1OT	0.0017	-	2644863	2644964	0	1	101,	0	-2.78	-1.83	1.8	-0.64	-1.78
chr6	15517243	15520244	JARID2	0.00015	+	15517243	15520244	0	2	25,176,	0,2825	-3.81	-3.65	1.93	-0.639	-1.77
chr11	57672062	57672660	ZDHHC5	1.60E-13	+	57672062	57672660	0	1	598,	0	-12.8	-11.3	5.41	-0.639	-1.77
chr21	46243579	46243680	MCM3AP	2.30E-07	-	46243579	46243680	0	1	101,	0	-6.63	-6.26	2.62	-0.637	-1.77
chr11	1.09E+08	1.09E+08	DDX10	1.30E-11	+	1.09E+08	1.09E+08	0	3	11,466,22,	0,3122,11663	-10.9	-9.88	3.28	-0.635	-1.77
chr4	3767346	3767497	ADRA2C	1.30E-05	+	3767346	3767497	0	1	151,	0	-4.87	-4.65	4	-0.637	-1.77
chr17	1704560	1704760	TLCD2	2.10E-10	-	1704560	1704760	0	1	200,	0	-9.67	-8.87	2.9	-0.633	-1.77
chr16	785665	786309	RPUSD1	2.10E-09	-	785665	786309	0	1	644,	0	-8.67	-8.05	8.06	-0.626	-1.76
chr3	1.7E+08	1.7E+08	SEC2	6.30E-11	+	1.7E+08	1.7E+08	0	3	28,106,266,	0,1257,6948	-10.2	-9.32	1.78	-0.626	-1.76
chr19	48297056	48297257	CCDC114	0.00014	-	48297056	48297257	0	1	201,	0	-3.86	-2.82	6.25	-0.626	-1.76
chr1	33491039	33491734	ZSCAN20	8.50E-09	+	33491039	33491734	0	1	695,	0	-8.07	-7.53	9.67	-0.63	-1.76
chr11	57660816	57661117	CLP1	3.50E-06	+	57660816	57661117	0	1	301,	0	-5.45	-5.19	4.94	-0.626	-1.76
chr10	61453101	61453202	TMEM26	1.30E-06	-	61453101	61453202	0	1	101,	0	-5.9	-4.64	3.5	-0.63	-1.76
chr7	1.52E+08	1.52E+08	LINC01003	7.10E-07	+	1.52E+08	1.52E+08	0	1	148,	0	-6.15	-4.86	1.43	-0.626	-1.76
chr19	56684905	56685056	AC006115	0.00066	+	56684905	56685056	0	1	151,	0	-3.18	-2.2	2.75	-0.629	-1.76
chr12	1.24E+08	1.24E+08	CCDC92	1.60E-07	-	1.24E+08	1.24E+08	0	3	351,42,6,	0,5264,5867	-6.79	-6.41	2.4	-0.622	-1.75
chr9	1.25E+08	1.25E+08	ARPC5L	2.20E-10	+	1.25E+08	1.25E+08	0	2	134,312,	0,1860	-9.66	-8.86	3.64	-0.624	-1.75
chr12	55927479	55927739	PYM1	0.0024	-	55927479	55927739	0	2	134,15,	0,245	-2.62	-2.5	3.6	-0.624	-1.75
chr11	62724385	62727422	HNRNPUL	4.00E-11	-	62724385	62727422	0	2	41,804,	0,2233	-10.4	-9.47	2.33	-0.625	-1.75
chr17	81031366	81032958	BAIAP2-D	4.00E-05	-	81031366	81032958	0	1	1592,	0	-4.4	-4.21	6.75	-0.622	-1.75
chr11	1.03E+08	1.03E+08	AP000619	5.80E-06	-	1.03E+08	1.03E+08	0	1	148,	0	-5.24	-4.06	2.25	-0.622	-1.75
chr12	1.22E+08	1.22E+08	AC145422	6.00E-07	+	1.22E+08	1.22E+08	0	1	198,	0	-6.22	-5.89	2.8	-0.625	-1.75
chr10	22329115	22329493	COMMD3	5.00E-06	+	22329115	22329493	0	2	13,281,	0,97	-5.3	-5.05	2.72	-0.62	-1.75
chrX	1.2E+08	1.2E+08	RNF113A	2.80E-07	-	1.2E+08	1.2E+08	0	1	773,	0	-6.55	-6.19	5.92	-0.617	-1.74
chr6	1.68E+08	1.68E+08	AFDN	1.00E-10	+	1.68E+08	1.68E+08	0	1	650,	0	-10	-9.16	3.06	-0.619	-1.74
chrX	1.54E+08	1.54E+08	SLC6A8	1.00E-06	+	1.54E+08	1.54E+08	0	1	100,	0	-6	-5.69	3.3	-0.615	-1.74
chr19	14074424	14074670	MISP3	3.10E-05	+	14074424	14074670	0	1	246,	0	-4.51	-4.31	4.43	-0.617	-1.74
chr10	1.1E+08	1.1E+08	ADD3	0.00028	+	1.1E+08	1.1E+08	0	1	101,	0	-3.56	-2.55	2.67	-0.619	-1.74
chr8	1.3E+08	1.3E+08	ASAP1	1.10E-07	-	1.3E+08	1.3E+08	0	2	19,182,	0,19969	-6.95	-6.54	2	-0.617	-1.74
chr6	99432073	99432223	AL513550	0.001	+	99432073	99432223	0	1	150,	0	-2.98	-2.85	4.56	-0.619	-1.74
chr19	55217134	55217281	AC010327	0.00013	-	55217134	55217281	0	1	147,	0	-3.9	-2.85	3	-0.618	-1.74
chr4	42086111	42086312	SLC30A9	2.50E-13	+	42086111	42086312	0	1	201,	0	-12.6	-11.2	5.65	-0.609	-1.73
chr19	6381422	6381572	CTCF2F1	3.20E-16	-	6381422	6381572	0	1	150,	0	-15.5	-13.5	1.54	-0.612	-1.73
chr19	13906250	13906351	CC2D1A	0.00025	+	13906250	13906351	0	1	101,	0	-3.61	-3.46	1.27	-0.611	-1.73
chr10	94246084	94246584	PLCE1	1.40E-05	+	94246084	94246584	0	1	500,	0	-4.86	-4.64	9.4	-0.611	-1.73

chr15	75347154	75347454	NEIL1	0.0044	+	75347154	75347454	0	1	300,	0	-2.36	-1.44	7	-0.609	-1.73
chr10	1.32E+08	1.32E+08	C10orf91	0.00014	+	1.32E+08	1.32E+08	0	1	101,	0	-3.86	-2.82	7.5	-0.612	-1.73
chr8	1.43E+08	1.43E+08	ZFP41	3.10E-05	+	1.43E+08	1.43E+08	0	1	150,	0	-4.51	-3.41	4.8	-0.61	-1.73
chr16	1510675	1510976	IFT140	1.20E-05	-	1510675	1510976	0	1	301,	0	-4.92	-3.77	2.67	-0.612	-1.73
chr11	62724351	62727384	HNRNPUL1	2.00E-12	-	62724351	62727384	0	2	75,766,	0,2267	-11.7	-10.5	2.47	-0.611	-1.73
chr5	891283	891384	BRD3	1.00E-06	-	891283	891384	0	1	101,	0	-6	-5.69	2.06	-0.607	-1.72
chr1	99969500	99969801	SLC35A3	0.00015	+	99969500	99969801	0	1	301,	0	-3.81	-3.65	5.13	-0.603	-1.72
chr6	34133290	34133391	GRM4	2.30E-05	-	34133290	34133391	0	1	101,	0	-4.64	-3.53	2.5	-0.604	-1.72
chr19	38730596	38730696	ACTN4	0.0037	+	38730596	38730696	0	1	100,	0	-2.43	-2.31	1.62	-0.604	-1.72
chr11	1.1E+08	1.1E+08	RDX	6.30E-12	-	1.1E+08	1.1E+08	0	3	289,287,23,	0,1492,4354	-11.2	-10.1	4.65	-0.603	-1.72
chr19	57516161	57516411	ZNF773	3.40E-06	+	57516161	57516411	0	1	250,	0	-5.47	-4.26	5	-0.605	-1.72
chr11	71501621	71501721	NACDYN1	4.80E-05	+	71501621	71501721	0	1	100,	0	-4.32	-3.24	1.88	-0.605	-1.72
chr17	63701585	63701734	AC046185	0.002	+	63701585	63701734	0	1	149,	0	-2.69	-1.75	4.2	-0.606	-1.72
chr16	1510007	1510258	TELO2	2.50E-12	+	1510007	1510258	0	1	251,	0	-11.6	-10.4	4.96	-0.602	-1.71
chr5	1.32E+08	1.32E+08	IRF1	0.0042	-	1.32E+08	1.32E+08	0	1	101,	0	-2.38	-2.26	2.25	-0.602	-1.71
chr6	1.51E+08	1.51E+08	AKAP12	3.80E-09	+	1.51E+08	1.51E+08	0	1	151,	0	-8.42	-7.84	1.8	-0.599	-1.71
chr3	1.73E+08	1.73E+08	NCEH1	6.60E-08	-	1.73E+08	1.73E+08	0	1	596,	0	-7.18	-6.75	8	-0.601	-1.71
chr6	26597002	26597152	ABT1	6.90E-10	+	26597002	26597152	0	1	150,	0	-9.16	-8.46	1.72	-0.599	-1.71
chr3	1.28E+08	1.28E+08	GATA2	1.90E-07	-	1.28E+08	1.28E+08	0	1	497,	0	-6.73	-6.36	7.18	-0.6	-1.71
chr2	96208378	96208775	STARD7	1.50E-06	-	96208378	96208775	0	1	397,	0	-5.82	-5.53	2.62	-0.598	-1.7
chr7	42937232	42937609	MRPL32	3.20E-14	+	42937232	42937609	0	2	9,288,	0,89	-13.5	-11.9	2.4	-0.596	-1.7
chr5	34915645	34915895	RAD1	6.50E-08	-	34915645	34915895	0	1	250,	0	-7.19	-6.76	2.54	-0.598	-1.7
chr1	52055970	52056071	TXNDC12	0.00091	-	52055970	52056071	0	1	101,	0	-3.04	-2.07	3.33	-0.595	-1.7
chrX	1.04E+08	1.04E+08	TCEAL4	3.20E-11	+	1.04E+08	1.04E+08	0	1	543,	0	-10.5	-9.57	2.31	-0.595	-1.7
chr6	1.18E+08	1.18E+08	NUS1	1.20E-07	+	1.18E+08	1.18E+08	0	2	44,107,	0,907	-6.92	-6.52	1.61	-0.598	-1.7
chr1	1.21E+08	1.21E+08	SRGAP2C	2.50E-23	+	1.21E+08	1.21E+08	0	1	101,	0	-22.6	-20.1	8	-0.599	-1.7
chr16	8782482	8782732	ABAT	1.80E-05	+	8782482	8782732	0	1	250,	0	-4.75	-3.62	3.5	-0.598	-1.7
chr7	1.31E+08	1.31E+08	KLF14	8.30E-07	-	1.31E+08	1.31E+08	0	1	101,	0	-6.08	-4.8	3	-0.599	-1.7
chr4	1.23E+08	1.23E+08	FGF2	6.90E-07	+	1.23E+08	1.23E+08	0	1	150,	0	-6.16	-5.84	3.38	-0.591	-1.69
chr16	87491927	87492327	ZCCHC14	0.00091	-	87491927	87492327	0	1	400,	0	-3.04	-2.9	5	-0.592	-1.69
chr1	1.81E+08	1.81E+08	XPR1	9.80E-08	+	1.81E+08	1.81E+08	0	1	100,	0	-7.01	-6.6	1.38	-0.589	-1.69
chr9	14314541	14322000	NFIB	1.50E-06	-	14314541	14322000	0	2	41,60,	0,7399	-5.83	-5.54	2.7	-0.59	-1.69
chr3	1.41E+08	1.41E+08	ZBTB38	1.30E-11	+	1.41E+08	1.41E+08	0	1	601,	0	-10.9	-9.85	7.6	-0.593	-1.69
chr16	74999129	74999528	ZNRF1	6.90E-06	+	74999129	74999528	0	1	399,	0	-5.16	-4.92	2.86	-0.593	-1.69
chr5	470945	472223	AC010442	2.50E-08	-	470945	472223	0	2	1020,117,	0,1161	-7.6	-7.12	5.67	-0.589	-1.69
chr14	1.06E+08	1.06E+08	IGHV1-24	0.00028	-	1.06E+08	1.06E+08	0	2	123,60,	0,208	-3.55	-3.39	1.17	-0.592	-1.69
chr19	55540851	55541097	SBK3	5.90E-06	-	55540851	55541097	0	1	246,	0	-5.23	-4.99	6.2	-0.592	-1.69
chr6	1.36E+08	1.36E+08	BCLAF1	1.70E-09	-	1.36E+08	1.36E+08	0	3	161,147,43,	0,5712,6845	-8.78	-8.14	1.88	-0.586	-1.68
chr5	6599734	6603876	NSUN2	2.80E-09	-	6599734	6603876	0	3	498,40,8,	0,2726,4134	-8.56	-7.95	3.86	-0.587	-1.68
chr5	470956	472203	SLC9A3	1.30E-07	-	470956	472203	0	1	1247,	0	-6.89	-6.5	6.63	-0.587	-1.68
chr19	44661763	44662214	PVR	1.00E-09	+	44661763	44662214	0	1	451,	0	-9	-8.33	3.71	-0.588	-1.68
chr2	25154637	25154738	EFR3B	4.70E-05	+	25154637	25154738	0	1	101,	0	-4.33	-4.14	2.21	-0.587	-1.68
chr16	29973917	29974068	TAOK2	6.50E-08	+	29973917	29974068	0	1	151,	0	-7.19	-6.76	1.81	-0.587	-1.68
chr19	29674477	29675327	PLEKHF1	2.70E-06	+	29674477	29675327	0	1	850,	0	-5.57	-5.3	13.5	-0.586	-1.68
chr4	1.41E+08	1.41E+08	RNF150	9.50E-06	-	1.41E+08	1.41E+08	0	1	200,	0	-5.02	-3.86	2	-0.587	-1.68
chr11	14891040	14891140	CYP2R1	1.70E-06	-	14891040	14891140	0	1	100,	0	-5.78	-4.53	2.67	-0.587	-1.68
chr17	45640654	45640755	LINC0221C	2.50E-06	+	45640654	45640755	0	1	101,	0	-5.61	-4.39	4	-0.587	-1.68
chr9	1.26E+08	1.26E+08	AL358074	0.0025	-	1.26E+08	1.26E+08	0	1	148,	0	-2.61	-1.67	5.4	-0.588	-1.68
chr14	1.02E+08	1.02E+08	AL118558	0.0062	+	1.02E+08	1.02E+08	0	1	687,	0	-2.21	-2.09	10.2	-0.587	-1.68
chr6	25998005	25998353	U91328.1	9.10E-07	+	25998005	25998353	0	1	348,	0	-6.04	-4.77	3.25	-0.586	-1.68
chrX	72714118	72714269	PHKA1	3.30E-05	-	72714118	72714269	0	1	151,	0	-4.48	-4.28	1.85	-0.581	-1.67



chr8	17589508	17589607	PDGFRL	0.00035	+	17589508	17589607	0	1	99,	0	-3.46	-3.31	2.5	-0.583	-1.67
chr12	6928032	6928182	ATN1	2.00E-09	+	6928032	6928182	0	1	150,	0	-8.69	-8.06	1.41	-0.583	-1.67
chr13	20142772	20143021	GJA3	5.00E-19	-	20142772	20143021	0	1	249,	0	-18.3	-15	3.6	-0.583	-1.67
chr1	92393257	92394007	RPAP2	3.80E-06	+	92393257	92394007	0	1	750,	0	-5.42	-5.16	6.37	-0.581	-1.67
chr16	28925646	28936376	RABEP2	0.00036	-	28925646	28936376	0	2	38,113,	0,10617	-3.44	-2.43	3.75	-0.584	-1.67
chr22	21610971	21621592	UBE2L3	1.10E-07	+	21610971	21621592	0	2	72,78,	0,10543	-6.96	-6.55	1.98	-0.583	-1.67
chr19	1392457	1392607	NDUFS7	0.00089	+	1392457	1392607	0	1	150,	0	-3.05	-2.08	2.4	-0.578	-1.66
chr12	1.24E+08	1.24E+08	CCDC92	1.60E-07	-	1.24E+08	1.24E+08	0	1	449,	0	-6.79	-6.41	6.88	-0.576	-1.66
chr16	85169674	85171072	GSE1	5.40E-07	+	85169674	85171072	0	1	1398,	0	-6.27	-5.94	7.67	-0.575	-1.66
chr12	76030544	76031093	PHLDA1	3.60E-05	-	76030544	76031093	0	1	549,	0	-4.44	-4.25	5.5	-0.574	-1.66
chr15	48149260	48149461	MYEF2	1.30E-10	-	48149260	48149461	0	1	201,	0	-9.89	-9.04	3	-0.572	-1.65
chr3	32570708	32570858	ZYNC1L1	9.80E-08	-	32570708	32570858	0	1	150,	0	-7.01	-6.6	4.38	-0.571	-1.65
chr16	31073045	31073392	ZNF668	0.00011	-	31073045	31073392	0	1	347,	0	-3.95	-3.78	8.6	-0.57	-1.65
chr10	22328603	22329836	BMI1	4.00E-11	+	22328603	22329836	0	3	95,81,624,	0,444,609	-10.4	-9.47	5.35	-0.571	-1.65
chr5	1.81E+08	1.81E+08	OR2V1	0.0035	-	1.81E+08	1.81E+08	0	1	150,	0	-2.45	-1.53	2	-0.571	-1.65
chr16	30535295	30535395	AC002310	6.00E-04	+	30535295	30535395	0	1	100,	0	-3.22	-2.24	3.2	-0.572	-1.65
chr8	26509021	26509122	PNMA2	0.0011	-	26509021	26509122	0	1	101,	0	-2.95	-1.99	3.25	-0.569	-1.65
chr16	1656003	1656802	CRAMP1	9.50E-07	+	1656003	1656802	0	1	799,	0	-6.02	-5.71	6.73	-0.565	-1.64
chrX	1.54E+08	1.54E+08	FAM50A	4.90E-08	+	1.54E+08	1.54E+08	0	3	101,77,20,	0,2024,2230	-7.31	-6.87	1.38	-0.565	-1.64
chr19	8444965	8455557	HNRNPM	2.00E-13	+	8444965	8455557	0	2	146,153,	0,10439	-12.7	-11.3	2.09	-0.564	-1.64
chr15	44550912	44554641	EIF3J	7.60E-09	+	44550912	44554641	0	3	18,92,89,	0,518,3640	-8.12	-7.57	2.18	-0.565	-1.64
chr10	1.1E+08	1.1E+08	MXI1	0.00017	+	1.1E+08	1.1E+08	0	4	44,19,24,14,	0,50,115,147	-3.77	-2.74	1.4	-0.566	-1.64
chrX	1.54E+08	1.54E+08	PLXNA3	1.30E-06	+	1.54E+08	1.54E+08	0	1	201,	0	-5.89	-4.63	5	-0.565	-1.64
chr12	57718186	57719205	OS9	1.00E-13	+	57718186	57719205	0	2	235,213,	0,806	-13	-11.5	2.33	-0.567	-1.64
chr9	1.13E+08	1.13E+08	KIAA1958	2.60E-10	+	1.13E+08	1.13E+08	0	1	949,	0	-9.59	-8.79	14.7	-0.565	-1.64
chr15	62838941	62840791	TLN2	8.70E-08	+	62838941	62840791	0	2	40,310,	0,1540	-7.06	-6.65	5.89	-0.564	-1.64
chr11	1462390	1462590	BRSK2	6.80E-05	+	1462390	1462590	0	1	200,	0	-4.17	-3.98	8.29	-0.565	-1.64
chr22	50720347	50720597	SHANK3	1.60E-06	+	50720347	50720597	0	1	250,	0	-5.8	-5.51	3.08	-0.566	-1.64
chr19	56567312	56567411	AC005498	2.80E-09	-	56567312	56567411	0	1	99,	0	-8.55	-7.94	7	-0.565	-1.64
chr7	81769984	81770135	HGF	0.0029	-	81769984	81770135	0	1	151,	0	-2.54	-2.42	1.27	-0.559	-1.63
chr16	48352274	48352723	LONP2	7.80E-06	+	48352274	48352723	0	1	449,	0	-5.11	-4.88	5.62	-0.563	-1.63
chr9	22008904	22009155	CDKN2B	5.00E-12	-	22008904	22009155	0	1	251,	0	-11.3	-10.2	2.5	-0.56	-1.63
chr6	1.55E+08	1.55E+08	CNKSR3	3.20E-09	-	1.55E+08	1.55E+08	0	1	250,	0	-8.5	-7.91	3.25	-0.559	-1.63
chr11	76386342	76386542	GVQW3	7.60E-06	+	76386342	76386542	0	1	200,	0	-5.12	-3.95	2.25	-0.559	-1.63
chr13	96091037	96091137	HS6ST3	2.50E-06	+	96091037	96091137	0	1	100,	0	-5.6	-4.38	2.5	-0.561	-1.63
chr1	1.51E+08	1.51E+08	CDC42SE1	2.90E-07	-	1.51E+08	1.51E+08	0	2	465,84,	0,1368	-6.54	-6.19	6.2	-0.559	-1.63
chr19	48469349	48469448	AC008403	3.80E-07	-	48469349	48469448	0	1	99,	0	-6.42	-6.08	1.6	-0.559	-1.63
chr19	13906252	13906352	C19orf57	3.30E-06	-	13906252	13906352	0	1	100,	0	-5.48	-5.21	1.16	-0.555	-1.62
chr2	43226405	43226556	ZFP36L2	7.90E-13	-	43226405	43226556	0	1	151,	0	-12.1	-10.8	1.68	-0.558	-1.62
chr15	66323584	66326279	DIS3L	4.00E-11	+	66323584	66326279	0	2	1,449,	0,2246	-10.4	-9.48	5.84	-0.557	-1.62
chr7	5388332	5389331	TNRC18	5.90E-08	-	5388332	5389331	0	1	999,	0	-7.23	-6.79	7.62	-0.557	-1.62
chr19	1392466	1392616	AC005329	0.00041	-	1392466	1392616	0	1	150,	0	-3.39	-2.39	2	-0.557	-1.62
chr12	53994104	53994499	HOXC-AS1	0.00015	-	53994104	53994499	0	1	395,	0	-3.83	-3.67	3.79	-0.558	-1.62
chr17	79802062	79802249	AC100791	3.90E-05	+	79802062	79802249	0	1	187,	0	-4.41	-3.32	2.75	-0.554	-1.62
chr2	2.18E+08	2.18E+08	TNS1	3.50E-06	-	2.18E+08	2.18E+08	0	1	201,	0	-5.45	-5.19	6.67	-0.548	-1.61
chr1	2.28E+08	2.28E+08	JMJD4	0.00017	-	2.28E+08	2.28E+08	0	1	150,	0	-3.78	-3.62	2.9	-0.551	-1.61
chr20	62879235	62881133	DIDO1	3.00E-09	-	62879235	62881133	0	1	1898,	0	-8.53	-7.93	8.67	-0.553	-1.61
chr15	63042930	63043430	TPM1	1.70E-08	+	63042930	63043430	0	1	500,	0	-7.77	-7.27	2.69	-0.549	-1.61
chr19	41350960	41351060	TMEM91	0.0021	+	41350960	41351060	0	1	100,	0	-2.68	-1.74	3	-0.549	-1.61
chr18	50283052	50283251	CXXC1	0.00023	-	50283052	50283251	0	1	199,	0	-3.64	-2.62	4.67	-0.549	-1.61
chr2	2.06E+08	2.06E+08	AC007383	4.30E-07	+	2.06E+08	2.06E+08	0	1	493,	0	-6.37	-6.03	7.29	-0.553	-1.61

chr20	63628399	63628683	MHENC	3.20E-09	+	63628399	63628683	0	1	284,	0	-8.5	-7.9	3.43	-0.549	-1.61
chrX	1.37E+08	1.37E+08	AL390879.	1.50E-05	+	1.37E+08	1.37E+08	0	1	200,	0	-4.82	-3.68	3.75	-0.549	-1.61
chr18	11851444	11852282	CHMP1B	5.00E-12	+	11851444	11852282	0	1	838,	0	-11.3	-10.1	5.92	-0.553	-1.61
chr16	89918578	89919378	MC1R	2.20E-06	+	89918578	89919378	0	1	800,	0	-5.66	-5.38	7.82	-0.553	-1.61
chr3	1.3E+08	1.3E+08	TMCC1-A	2.30E-05	+	1.3E+08	1.3E+08	0	1	299,	0	-4.63	-4.42	4.44	-0.55	-1.61
chr19	45408243	45409678	CD3EAP	3.20E-11	+	45408243	45409678	0	1	1435,	0	-10.5	-9.52	7.62	-0.543	-1.6
chrX	69505686	69505984	FAM155B	1.50E-07	+	69505686	69505984	0	1	298,	0	-6.82	-6.43	11	-0.543	-1.6
chr1	90020907	90027742	ZNF326	2.10E-10	+	90020907	90027742	0	3	15,96,389,	0,1342,6446	-9.68	-8.87	3.09	-0.547	-1.6
chrM	7780	7976	MT-CO2	3.80E-07	+	7780	7976	0	1	196,	0	-6.42	-6.07	1.11	-0.543	-1.6
chr10	1.11E+08	1.11E+08	RBM20	6.80E-05	+	1.11E+08	1.11E+08	0	1	101,	0	-4.17	-3.1	4.25	-0.547	-1.6
chr22	22712971	22713111	IGLV3-21	2.00E-11	+	22712971	22713111	0	1	140,	0	-10.7	-9.69	1.43	-0.547	-1.6
chrX	1.01E+08	1.01E+08	RPL36A-H	5.40E-09	+	1.01E+08	1.01E+08	0	1	249,	0	-8.27	-7.71	3.56	-0.546	-1.6
chr20	311827	312802	AL034548.	0.00098	+	311827	312802	0	2	28,69,	0,906	-3.01	-2.04	3.4	-0.543	-1.6
chr12	54009674	54011586	HOXC8	7.90E-08	+	54009674	54011586	0	2	46,498,	0,1414	-7.1	-6.68	4.5	-0.541	-1.59
chr19	17323618	17323867	ANO8	1.20E-05	-	17323618	17323867	0	1	249,	0	-4.93	-4.71	2.12	-0.542	-1.59
chr14	35404550	35404749	NFKBIA	1.30E-07	-	35404550	35404749	0	1	199,	0	-6.89	-6.49	1.27	-0.542	-1.59
chr2	1.89E+08	1.89E+08	WDR75	7.90E-05	+	1.89E+08	1.89E+08	0	1	150,	0	-4.1	-3.93	3.31	-0.543	-1.59
chr1	25617617	25617717	MAN1C1	0.00021	+	25617617	25617717	0	1	100,	0	-3.68	-2.66	3.6	-0.541	-1.59
chr3	17009712	17010110	PLCL2	9.30E-05	+	17009712	17010110	0	1	398,	0	-4.03	-2.97	4.5	-0.541	-1.59
chr17	44353813	44354362	FAM171A2	7.10E-06	-	44353813	44354362	0	1	549,	0	-5.15	-4.91	11.3	-0.543	-1.59
chr2	2.16E+08	2.16E+08	TMEM169	8.30E-08	+	2.16E+08	2.16E+08	0	1	200,	0	-7.08	-6.66	8.25	-0.541	-1.59
chr4	1.28E+08	1.28E+08	HSPA4L	9.50E-10	+	1.28E+08	1.28E+08	0	2	91,159,	0,1974	-9.02	-8.34	3	-0.541	-1.59
chr16	11837526	11841422	RSL1D1	2.00E-13	-	11837526	11841422	0	3	587,291,17,	0,2168,3879	-12.7	-11.2	4.94	-0.541	-1.59
chr19	2859371	2859472	ZNF555	0.036	+	2859371	2859472	0	1	101,	0	-1.44	-1.33	13.2	-0.541	-1.59
chr7	83155229	83155380	PCLO	0.00012	-	83155229	83155380	0	1	151,	0	-3.92	-2.87	3	-0.541	-1.59
chr12	3040224	3040676	TEAD4	1.30E-19	+	3040224	3040676	0	2	35,312,	0,140	-18.9	-16.5	4.56	-0.542	-1.59
chr20	36526033	36527825	DLGAP4-A	2.70E-07	-	36526033	36527825	0	2	97,102,	0,1690	-6.57	-6.21	2.67	-0.541	-1.59
chr11	58611658	58611807	AP001350.	3.20E-13	-	58611658	58611807	0	1	149,	0	-12.5	-11.1	1.79	-0.541	-1.59
chr14	1.07E+08	1.07E+08	IGHV1-69I	5.00E-13	-	1.07E+08	1.07E+08	0	1	92,	0	-12.3	-10.9	1.23	-0.541	-1.59
chr2	20201736	20201886	SDC1	5.50E-05	-	20201736	20201886	0	1	150,	0	-4.26	-4.07	3	-0.534	-1.58
chr10	99329405	99329604	CNNM1	0.00089	+	99329405	99329604	0	1	199,	0	-3.05	-2.08	2.71	-0.535	-1.58
chr2	1.09E+08	1.09E+08	RANBP2	7.20E-06	+	1.09E+08	1.09E+08	0	1	151,	0	-5.14	-4.9	2.54	-0.535	-1.58
chr19	51689374	51689573	SPACA6	3.40E-05	+	51689374	51689573	0	1	199,	0	-4.47	-4.27	1.94	-0.535	-1.58
chr12	6493604	6494053	NCAPD2	2.30E-05	+	6493604	6494053	0	1	449,	0	-4.64	-4.43	4.79	-0.533	-1.57
chr5	1.14E+08	1.14E+08	KCNN2	0.0058	+	1.14E+08	1.14E+08	0	2	36,65,	0,849	-2.24	-1.33	2.17	-0.533	-1.57
chr10	67884953	67885102	SIRT1	1.90E-10	+	67884953	67885102	0	1	149,	0	-9.71	-8.9	2.11	-0.531	-1.57
chr13	77000505	77000706	CLN5	2.60E-07	+	77000505	77000706	0	1	201,	0	-6.58	-6.22	7.5	-0.533	-1.57
chr1	1.56E+08	1.56E+08	ARHGEF2	1.00E-04	-	1.56E+08	1.56E+08	0	2	270,80,	0,2523	-3.98	-3.81	3.86	-0.533	-1.57
chr19	1205854	1207200	STK11	1.60E-11	+	1205854	1207200	0	2	235,1015,	0,331	-10.8	-9.77	6.18	-0.531	-1.57
chr12	57738111	57739745	TSPAN31	0.00026	+	57738111	57739745	0	2	90,10,	0,1624	-3.58	-2.56	2.6	-0.533	-1.57
chr17	79993604	80010429	TBC1D16	0.0022	-	79993604	80010429	0	2	30,270,	0,16555	-2.65	-2.52	8.57	-0.533	-1.57
chr4	3767387	3767487	ADRA2C	0.00063	+	3767387	3767487	0	1	100,	0	-3.2	-3.05	3.63	-0.533	-1.57
chr3	1.98E+08	1.98E+08	LMLN	9.30E-06	+	1.98E+08	1.98E+08	0	1	150,	0	-5.03	-3.87	3.25	-0.533	-1.57
chr9	1.37E+08	1.37E+08	RABL6	0.00026	+	1.37E+08	1.37E+08	0	1	250,	0	-3.58	-3.42	4.43	-0.532	-1.57
chr12	85805173	85805373	RASSF9	7.60E-07	-	85805173	85805373	0	1	200,	0	-6.12	-4.83	6.2	-0.533	-1.57
chr19	55654294	55654790	U2AF2	3.80E-09	+	55654294	55654790	0	1	496,	0	-8.42	-7.84	4.29	-0.529	-1.56
chr17	46949240	46949341	GOSR2	0.00019	+	46949240	46949341	0	1	101,	0	-3.71	-2.68	1.86	-0.528	-1.56
chr2	2.31E+08	2.31E+08	NCL	9.80E-10	-	2.31E+08	2.31E+08	0	2	144,6,	0,277	-9.01	-8.33	1.81	-0.53	-1.56
chr6	1.25E+08	1.25E+08	RNF217	2.80E-10	+	1.25E+08	1.25E+08	0	1	600,	0	-9.55	-8.77	9.42	-0.527	-1.56
chr1	1.61E+08	1.61E+08	TOMM40L	5.00E-10	+	1.61E+08	1.61E+08	0	1	449,	0	-9.3	-8.57	5.55	-0.527	-1.56
chr18	8718451	8718551	MTCL1	0.00081	+	8718451	8718551	0	1	100,	0	-3.09	-2.95	1.94	-0.528	-1.56

chr17	81511498	81511697	ACTG1	1.20E-06	-	81511498	81511697	0	1	199,	0	-5.93	-5.62	1.29	-0.53	-1.56
chr7	1E+08	1E+08	GAL3ST4	0.003	-	1E+08	1E+08	0	1	100,	0	-2.52	-1.59	5	-0.53	-1.56
chr7	1.49E+08	1.49E+08	ZNF425	0.00011	-	1.49E+08	1.49E+08	0	1	348,	0	-3.95	-2.9	6	-0.529	-1.56
chr21	46244856	46245206	MCM3AP-	1.30E-07	+	46244856	46245206	0	1	350,	0	-6.87	-6.48	4	-0.53	-1.56
chr12	11171471	11172321	SMIM10L1	2.10E-10	+	11171471	11172321	0	1	850,	0	-9.68	-8.87	7.93	-0.528	-1.56
chr5	435552	435802	AHRR	0.0054	+	435552	435802	0	1	250,	0	-2.27	-1.36	5.4	-0.529	-1.56
chr9	88387881	88389224	AL353748.	3.20E-16	-	88387881	88389224	0	2	236,113,	0,1230	-15.5	-12.5	3	-0.527	-1.56
chr13	77000526	77000726	FBXL3	8.10E-09	-	77000526	77000726	0	1	200,	0	-8.09	-7.54	6.1	-0.525	-1.55
chr20	25476131	25476829	NINL	4.30E-05	-	25476131	25476829	0	1	698,	0	-4.37	-4.17	7.89	-0.524	-1.55
chr20	36612071	36612218	RAB5IF	6.00E-05	+	36612071	36612218	0	1	147,	0	-4.22	-4.04	1.91	-0.522	-1.55
chr1	8013958	8014308	ERRFI1	1.00E-04	-	8013958	8014308	0	1	350,	0	-3.99	-3.82	3.67	-0.524	-1.55
chr7	12688319	12688818	ARL4A	1.20E-06	+	12688319	12688818	0	1	499,	0	-5.92	-5.62	5.95	-0.525	-1.55
chr4	2255049	2255150	MXD4	0.00018	-	2255049	2255150	0	1	101,	0	-3.75	-2.72	1.6	-0.524	-1.55
chr15	98958084	98958434	IGF1R	9.80E-08	+	98958084	98958434	0	1	350,	0	-7.01	-6.6	2.36	-0.523	-1.55
chr19	19545915	19546065	CILP2	0.00031	+	19545915	19546065	0	1	150,	0	-3.51	-2.5	8.5	-0.521	-1.55
chr17	81672908	81673506	CCDC137	3.10E-05	+	81672908	81673506	0	1	598,	0	-4.51	-4.31	5.05	-0.525	-1.55
chr5	80558934	80559530	ANKRD34E	1.80E-06	-	80558934	80559530	0	1	596,	0	-5.75	-4.51	5.75	-0.525	-1.55
chrX	21882524	21882625	MBTPS2	8.30E-06	+	21882524	21882625	0	1	101,	0	-5.08	-4.84	4	-0.518	-1.54
chr5	55308038	55308139	MTREX	6.80E-09	+	55308038	55308139	0	1	101,	0	-8.17	-7.62	1.3	-0.519	-1.54
chr16	30979951	30980200	SETD1A	1.30E-07	+	30979951	30980200	0	1	249,	0	-6.88	-6.49	6	-0.518	-1.54
chr2	73385907	73386158	ALMS1	6.50E-06	+	73385907	73386158	0	1	251,	0	-5.19	-4.94	2.24	-0.518	-1.54
chr2	69895180	69897379	SNRNP27	4.00E-11	+	69895180	69897379	0	3	34,113,3,	0,1255,2196	-10.4	-9.48	1.25	-0.518	-1.54
chr2	71132930	71133525	MPHOSPH	1.20E-08	+	71132930	71133525	0	1	595,	0	-7.93	-7.41	6.18	-0.518	-1.54
chr22	41925117	41925517	TNFRSF13C	0.00017	-	41925117	41925517	0	1	400,	0	-3.76	-3.6	6.17	-0.516	-1.54
chr5	1.51E+08	1.51E+08	SYNPO	0.001	+	1.51E+08	1.51E+08	0	1	151,	0	-3	-2.03	2	-0.52	-1.54
chr4	6716201	6717279	BLOC1S4	3.20E-11	+	6716201	6717279	0	1	1078,	0	-10.5	-9.54	8.2	-0.52	-1.54
chr7	74657697	74657798	GTF2I	5.60E-06	+	74657697	74657798	0	1	101,	0	-5.25	-5.01	1.56	-0.518	-1.54
chr9	1.37E+08	1.37E+08	AL355987.	0.003	+	1.37E+08	1.37E+08	0	3	94,55,2,	0,228,1544	-2.53	-1.6	1.78	-0.518	-1.54
chr6	3983886	3984081	AL138831.	2.50E-15	+	3983886	3984081	0	1	195,	0	-14.6	-11.7	2.4	-0.519	-1.54
chr19	17320352	17320603	DDA1	3.00E-07	+	17320352	17320603	0	1	251,	0	-6.52	-5.19	4.5	-0.508	-1.53
chr12	1.04E+08	1.04E+08	HSP90B1	1.60E-13	+	1.04E+08	1.04E+08	0	2	158,142,	0,1114	-12.8	-11.3	1.4	-0.513	-1.53
chr15	43531169	43531320	MAP1A	2.60E-05	+	43531169	43531320	0	1	151,	0	-4.59	-4.38	4.14	-0.515	-1.53
chr9	1.27E+08	1.27E+08	MVB12B	3.80E-08	+	1.27E+08	1.27E+08	0	1	349,	0	-7.42	-5.96	5	-0.511	-1.53
chr19	40826671	40826772	CYP2F2P	1.10E-09	-	40826671	40826772	0	1	101,	0	-8.94	-7.24	2	-0.512	-1.53
chr18	35283753	35283954	ACO11815	5.00E-05	-	35283753	35283954	0	1	201,	0	-4.3	-3.21	3.11	-0.508	-1.53
chr12	95300208	95300807	VEZT	1.00E-13	+	95300208	95300807	0	1	599,	0	-13	-11.4	5.8	-0.507	-1.52
chr16	89719055	89720798	VPS9D1	0.00079	-	89719055	89720798	0	2	314,36,	0,1707	-3.1	-2.97	5.14	-0.504	-1.52
chr17	7587959	7588159	MPDU1	2.00E-05	+	7587959	7588159	0	1	200,	0	-4.69	-4.48	1.38	-0.508	-1.52
chr2	2.03E+08	2.03E+08	CARF	1.50E-05	+	2.03E+08	2.03E+08	0	2	25,176,	0,1089	-4.83	-4.61	6.5	-0.505	-1.52
chr11	46379854	46380254	DGKZ	2.70E-07	+	46379854	46380254	0	1	400,	0	-6.57	-6.21	7.6	-0.505	-1.52
chr1	1.55E+08	1.55E+08	MUC1	8.70E-05	-	1.55E+08	1.55E+08	0	1	101,	0	-4.06	-3.88	3.25	-0.506	-1.52
chrX	73850825	73851425	XIST	1.10E-10	-	73850825	73851425	0	1	600,	0	-9.96	-9.1	5.32	-0.508	-1.52
chr5	36875766	36876410	NIPBL-DT	5.50E-10	-	36875766	36876410	0	1	644,	0	-9.26	-8.54	7.38	-0.505	-1.52
chr20	1181135	1181236	PSMF1	1.00E-05	+	1181135	1181236	0	1	101,	0	-4.98	-3.83	3	-0.502	-1.51
chr12	1.1E+08	1.1E+08	FAM222A	1.20E-05	+	1.1E+08	1.1E+08	0	1	696,	0	-4.91	-3.77	10	-0.499	-1.51
chr7	1.43E+08	1.43E+08	TMEM139	3.50E-05	+	1.43E+08	1.43E+08	0	1	198,	0	-4.45	-3.35	3.4	-0.499	-1.51
chr17	42682473	42682771	CCR10	2.80E-07	-	42682473	42682771	0	1	298,	0	-6.56	-6.2	2.65	-0.499	-1.51
chr15	32636315	32637409	ARHGAP1.	7.90E-12	+	32636315	32637409	0	1	1094,	0	-11.1	-9.99	9.3	-0.502	-1.51
chr22	28000432	28000683	TTC28-AS.	0.00028	+	28000432	28000683	0	1	251,	0	-3.55	-3.39	7.43	-0.502	-1.51
chr19	57507509	57513023	ZNF773	1.10E-10	+	57507509	57513023	0	3	652,45,2,	0,1010,5512	-9.95	-9.09	5.75	-0.493	-1.5
chr3	40467290	40467390	RPL14	1.20E-05	+	40467290	40467390	0	1	100,	0	-4.91	-3.77	4.29	-0.496	-1.5

chr15	82434452	82434553	GOLGA6L	1.00E-12	+	82434452	82434553	0	1	101,	0	-12	-10.7	2.57	-0.495	-1.5
chr20	36609718	36612239	TGIF2-RAE	1.50E-06	+	36609718	36612239	0	2	12,230,	0,2291	-5.81	-5.51	2.13	-0.496	-1.5
chr17	32041227	32041376	SH3GL1P1	0.00015	+	32041227	32041376	0	1	149,	0	-3.81	-2.77	2	-0.495	-1.5
chr11	72813903	72814004	AP002381.	0.00049	-	72813903	72814004	0	1	101,	0	-3.31	-2.31	1.75	-0.495	-1.5
chr19	45408228	45409673	ERCC1	6.30E-13	-	45408228	45409673	0	1	1445,	0	-12.2	-10.9	8	-0.491	-1.49
chr17	50743751	50749224	LUC7L3	1.40E-07	+	50743751	50749224	0	6	59,162,284,10,900,1968,27	0	-6.85	-6.46	1.55	-0.49	-1.49
chr6	10529089	10529289	GCNT2	5.00E-07	+	10529089	10529289	0	1	200,	0	-6.3	-4.99	2.89	-0.487	-1.49
chr11	5678268	5679155	TRIM5	1.90E-08	-	5678268	5679155	0	2	166.82,	0,805	-7.72	-7.22	2.03	-0.491	-1.49
chr5	77076753	77077650	ZBED3	1.70E-10	-	77076753	77077650	0	1	897,	0	-9.77	-8.95	14	-0.491	-1.49
chr12	1.23E+08	1.23E+08	DENR	2.10E-06	+	1.23E+08	1.23E+08	0	2	46.54,	0,2146	-5.67	-5.39	1.96	-0.491	-1.49
chr1	1.51E+08	1.51E+08	ENSA	1.00E-08	-	1.51E+08	1.51E+08	0	3	272,48,30,	0,942,1517	-7.98	-7.46	2.3	-0.491	-1.49
chr15	42719798	42719999	STARD9	1.10E-05	+	42719798	42719999	0	1	201,	0	-4.95	-4.72	5.8	-0.488	-1.49
chr22	41923719	41923870	TNFRSF13	0.00024	-	41923719	41923870	0	1	151,	0	-3.62	-2.6	3.33	-0.49	-1.49
chr2	2.16E+08	2.16E+08	TMEM169	4.40E-05	+	2.16E+08	2.16E+08	0	1	101,	0	-4.36	-3.27	1.83	-0.49	-1.49
chr19	49877120	49877420	AKT1S1	2.60E-07	-	49877120	49877420	0	1	300,	0	-6.59	-6.23	4.61	-0.488	-1.49
chr18	2652870	2653259	AP005061.	2.50E-07	-	2652870	2653259	0	1	389,	0	-6.61	-5.27	6.8	-0.491	-1.49
chr19	2353501	2353850	SPPL2B	1.40E-07	+	2353501	2353850	0	1	349,	0	-6.85	-6.46	5.38	-0.483	-1.48
chr7	1.49E+08	1.49E+08	CUL1	1.30E-10	+	1.49E+08	1.49E+08	0	3	19,114,411,	0,616,1843	-9.88	-9.03	5.65	-0.483	-1.48
chr10	68766048	68786199	GCAR1	4.00E-10	+	68766048	68786199	0	4	31,240,112,60,5157,6939,2	0	-9.4	-8.65	2.42	-0.482	-1.48
chr19	1261298	1261876	CIRBP	0.00079	+	1261298	1261876	0	2	343,56,	0,522	-3.1	-2.96	5.55	-0.483	-1.48
chr4	1.41E+08	1.41E+08	TBC1D9	2.30E-06	-	1.41E+08	1.41E+08	0	1	100,	0	-5.63	-4.4	1.67	-0.484	-1.48
chr1	54225213	54225364	MRPL37	0.0024	+	54225213	54225364	0	1	151,	0	-2.62	-1.69	5.5	-0.484	-1.48
chr1	36156207	36157257	MAP7D1	2.50E-09	+	36156207	36157257	0	2	256,43,	0,1007	-8.61	-8	1.83	-0.483	-1.48
chr3	29924877	29925078	RBMS3	2.60E-09	+	29924877	29925078	0	1	201,	0	-8.58	-7.96	3.83	-0.483	-1.48
chr10	1.03E+08	1.03E+08	CNNM2	3.00E-09	+	1.03E+08	1.03E+08	0	2	77,423,	0,777	-8.52	-7.92	7.67	-0.484	-1.48
chrX	15697282	15697676	CASBP1	3.20E-09	+	15697282	15697676	0	1	394,	0	-8.49	-7.9	4	-0.484	-1.48
chr22	44168725	44168826	PARVB	3.80E-05	+	44168725	44168826	0	1	101,	0	-4.42	-4.22	3.38	-0.485	-1.48
chr14	23285422	23285923	HOMEZ	4.30E-09	-	23285422	23285923	0	2	189,11,	0,490	-8.37	-6.76	1.86	-0.485	-1.48
chr22	17060626	17060825	CECR7	9.80E-06	+	17060626	17060825	0	1	199,	0	-5.01	-4.78	4	-0.482	-1.48
chr5	51377949	51378099	AC010478	1.30E-05	-	51377949	51378099	0	1	150,	0	-4.88	-3.74	1.75	-0.484	-1.48
chr2	99117671	99118563	TSGA10	1.40E-06	-	99117671	99118563	0	2	88,13,	0,879	-5.84	-4.59	2.25	-0.476	-1.47
chr15	66781356	66781705	SMAD6	1.30E-10	+	66781356	66781705	0	1	349,	0	-9.89	-9.04	8.25	-0.476	-1.47
chr1	2.04E+08	2.04E+08	SOX13	0.00035	+	2.04E+08	2.04E+08	0	1	150,	0	-3.45	-3.3	2.67	-0.48	-1.47
chr12	1.22E+08	1.22E+08	WDR66	2.50E-12	+	1.22E+08	1.22E+08	0	3	67,398,235,	0,2644,4980	-11.6	-10.4	4.6	-0.476	-1.47
chr1	62444781	62445377	USP1	2.30E-10	+	62444781	62445377	0	1	596,	0	-9.63	-8.83	3.61	-0.477	-1.47
chr2	73258761	73259196	FBXO41	2.30E-06	-	73258761	73259196	0	2	283,16,	0,419	-5.64	-5.36	7.22	-0.478	-1.47
chr18	58747428	58747629	MALT1	0.00091	+	58747428	58747629	0	1	201,	0	-3.04	-2.07	2.08	-0.481	-1.47
chr14	55559278	55559479	KTN1-AS1	7.90E-07	-	55559278	55559479	0	1	201,	0	-6.1	-4.82	2.6	-0.478	-1.47
chr7	66740060	66740385	AC027644	4.00E-31	-	66740060	66740385	0	1	325,	0	-30.4	-27.7	3.25	-0.478	-1.47
chr1	40417065	40422093	SMAP2	3.00E-05	+	40417065	40422093	0	2	31,118,	0,4910	-4.53	-4.33	2.71	-0.471	-1.46
chr6	1.09E+08	1.09E+08	ZBTB24	6.30E-12	-	1.09E+08	1.09E+08	0	2	955,41,	0,1998	-11.2	-10.1	7.23	-0.475	-1.46
chr1	84479308	84479408	PPF1	3.80E-09	+	84479308	84479408	0	1	100,	0	-8.42	-7.83	1.32	-0.472	-1.46
chr3	29281087	29281437	RBMS3	2.90E-09	+	29281087	29281437	0	1	350,	0	-8.54	-7.94	3.5	-0.474	-1.46
chr2	10210480	10210581	RRM2	0.00028	+	10210480	10210581	0	1	101,	0	-3.56	-2.55	2.25	-0.471	-1.46
chr1	26161463	26161664	FAM110D	5.10E-08	+	26161463	26161664	0	1	201,	0	-7.29	-6.84	2.57	-0.471	-1.46
chr5	1.4E+08	1.4E+08	ANKHD1-I	7.90E-11	+	1.4E+08	1.4E+08	0	1	101,	0	-10.1	-9.23	1.79	-0.472	-1.46
chr14	49620863	49622592	AL139099	2.00E-11	-	49620863	49622592	0	2	185,1347,	0,382	-10.7	-9.71	8.31	-0.475	-1.46
chr10	79683494	79684192	BEND3P3	9.50E-05	+	79683494	79684192	0	1	698,	0	-4.02	-3.85	7.5	-0.471	-1.46
chr7	1.51E+08	1.51E+08	CHPF2	4.20E-06	+	1.51E+08	1.51E+08	0	1	644,	0	-5.38	-5.13	5.44	-0.471	-1.45
chrX	53412132	53413371	SMC1A	9.50E-10	-	53412132	53413371	0	3	121,239,140,0,767,1099	0	-9.02	-8.34	2.47	-0.468	-1.45
chr16	3140757	3141057	ZNF213	2.90E-06	+	3140757	3141057	0	1	300,	0	-5.54	-4.32	2.62	-0.469	-1.45

chr17	59893145	59893246	RPS6KB1	8.90E-07	+	59893145	59893246	0	1	101,	0	-6.05	-5.74	1.79	-0.47	-1.45
chr14	74713193	74713569	FCF1	6.60E-07	+	74713193	74713569	0	2	66,85,	0,291	-6.18	-5.85	1.93	-0.47	-1.45
chr6	1.68E+08	1.68E+08	AFDN	4.00E-11	+	1.68E+08	1.68E+08	0	2	54,197,	0,637	-10.4	-9.48	7.61	-0.468	-1.45
chr4	1.41E+08	1.41E+08	RNF150	2.80E-07	-	1.41E+08	1.41E+08	0	1	300,	0	-6.55	-5.21	3.17	-0.471	-1.45
chr6	43587302	43597709	PLIH	5.60E-08	+	43587302	43597709	0	2	187,14,	0,10393	-7.25	-6.81	3.18	-0.471	-1.45
chr2	1.21E+08	1.21E+08	GLI2	3.80E-06	+	1.21E+08	1.21E+08	0	1	850,	0	-5.42	-5.16	10	-0.465	-1.44
chr17	2042933	2043430	DPH1	4.00E-20	+	2042933	2043430	0	1	497,	0	-19.4	-17	4.79	-0.463	-1.44
chr1	2.15E+08	2.15E+08	CENPF	4.00E-19	+	2.15E+08	2.15E+08	0	1	800,	0	-18.4	-16.2	4.65	-0.464	-1.44
chr16	3651738	3651888	TRAP1	7.60E-10	-	3651738	3651888	0	1	150,	0	-9.12	-8.42	7.86	-0.464	-1.44
chr7	2434813	2435013	CHST12	1.00E-04	+	2434813	2435013	0	1	200,	0	-3.98	-2.93	3.4	-0.462	-1.44
chr2	66435158	66435409	MEIS1	4.70E-06	+	66435158	66435409	0	1	251,	0	-5.33	-5.08	2	-0.464	-1.44
chr7	1.39E+08	1.39E+08	UBN2	2.30E-08	+	1.39E+08	1.39E+08	0	1	600,	0	-7.64	-7.16	5.17	-0.464	-1.44
chr7	1E+08	1E+08	CNPY4	1.20E-08	+	1E+08	1E+08	0	1	148,	0	-7.93	-7.41	1.71	-0.464	-1.44
chr16	88534397	88535143	ZFPM1	1.50E-07	+	88534397	88535143	0	1	746,	0	-6.83	-6.44	6.12	-0.464	-1.44
chr22	46239366	46239766	PPARA	0.00011	+	46239366	46239766	0	1	400,	0	-3.97	-3.8	5.42	-0.465	-1.44
chr4	7763456	7768908	AFAP1	1.50E-06	-	7763456	7768908	0	2	335,65,	0,5387	-5.83	-5.54	5.2	-0.464	-1.44
chr14	1.05E+08	1.05E+08	INF2	8.50E-06	+	1.05E+08	1.05E+08	0	2	420,31,	0,847	-5.07	-4.84	4.91	-0.465	-1.44
chr10	73733343	73733540	DUSP8P5	3.50E-07	+	73733343	73733540	0	1	197,	0	-6.45	-5.12	7.2	-0.464	-1.44
chr5	1.41E+08	1.41E+08	PCDHGB2	0.0047	+	1.41E+08	1.41E+08	0	1	150,	0	-2.33	-1.42	5.75	-0.464	-1.44
chr8	76863196	76863297	ZFHX4	5.00E-04	+	76863196	76863297	0	1	101,	0	-3.3	-2.31	2.75	-0.46	-1.43
chr6	20401928	20403730	E2F3	5.80E-08	+	20401928	20403730	0	2	697,52,	0,1750	-7.24	-6.8	8	-0.459	-1.43
chr11	72843236	72843457	FCHSD2	0.0058	-	72843236	72843457	0	2	92,9,	0,212	-2.24	-2.12	1.17	-0.457	-1.43
chr18	32268556	32268656	GAREM1	3.90E-09	-	32268556	32268656	0	1	100,	0	-8.41	-6.8	2.5	-0.458	-1.43
chr10	97673691	97673792	PI4K2A	0.00095	+	97673691	97673792	0	1	101,	0	-3.02	-2.89	3.3	-0.458	-1.43
chr16	69118257	69118506	CHTF8	6.80E-08	-	69118257	69118506	0	1	249,	0	-7.17	-6.74	5.13	-0.457	-1.43
chr17	78997022	78998200	CANT1	2.00E-11	-	78997022	78998200	0	2	941,53,	0,1125	-10.7	-9.71	7.79	-0.457	-1.43
chr19	38737541	38738276	CAPN12	0.0043	-	38737541	38738276	0	2	97,4,	0,731	-2.37	-1.45	2.5	-0.461	-1.43
chr1	2350953	2351101	AL513477	5.00E-13	-	2350953	2351101	0	1	148,	0	-12.3	-9.85	3	-0.459	-1.43
chr16	22332130	22332231	AC092338	6.30E-12	-	22332130	22332231	0	1	101,	0	-11.2	-10.1	3.18	-0.46	-1.43
chr5	1.39E+08	1.39E+08	MATR3	2.40E-10	+	1.39E+08	1.39E+08	0	1	351,	0	-9.62	-8.82	1.78	-0.452	-1.42
chr17	20017257	20017458	SPECC1	7.10E-05	+	20017257	20017458	0	1	201,	0	-4.15	-3.97	4.82	-0.453	-1.42
chr19	53989214	53989515	CACNG8	6.50E-05	+	53989214	53989515	0	1	301,	0	-4.19	-4	4.67	-0.452	-1.42
chr1	1.61E+08	1.61E+08	UFC1	2.80E-10	+	1.61E+08	1.61E+08	0	1	201,	0	-9.55	-8.76	1.41	-0.455	-1.42
chr4	1.86E+08	1.86E+08	CYP4V2	0.00026	+	1.86E+08	1.86E+08	0	1	101,	0	-3.58	-2.57	3.67	-0.455	-1.42
chr8	93917012	93917113	PDP1	5.40E-06	+	93917012	93917113	0	1	101,	0	-5.27	-5.02	2.57	-0.452	-1.42
chr16	30359333	30359534	TBC1D10B	0.00025	-	30359333	30359534	0	1	201,	0	-3.6	-3.44	3.2	-0.455	-1.42
chrX	15803764	15808262	ZRSR2	6.50E-06	+	15803764	15808262	0	3	32,87,30,	0,346,4468	-5.19	-4.94	3.29	-0.452	-1.42
chr6	52404936	52405136	PAQR8	1.10E-05	+	52404936	52405136	0	1	200,	0	-4.95	-3.8	4	-0.455	-1.42
chr11	66859976	66860176	LRFN4	0.0026	+	66859976	66860176	0	1	200,	0	-2.58	-2.45	4.71	-0.455	-1.42
chr5	1.46E+08	1.46E+08	PRELID2	7.10E-06	-	1.46E+08	1.46E+08	0	1	250,	0	-5.15	-3.98	2.38	-0.455	-1.42
chr16	3052702	3052802	MMP25-A	0.00014	-	3052702	3052802	0	1	100,	0	-3.86	-2.82	3	-0.452	-1.42
chr17	2043081	2043376	OVCA2	1.30E-08	+	2043081	2043376	0	1	295,	0	-7.89	-7.38	4.53	-0.453	-1.42
chr3	27633480	27633578	AC098614	6.30E-05	+	27633480	27633578	0	1	98,	0	-4.2	-4.01	7.44	-0.451	-1.42
chr6	5042997	5043197	AL359643	0.00019	+	5042997	5043197	0	1	200,	0	-3.72	-3.56	6.75	-0.451	-1.42
chr12	89352338	89352732	AC024909	6.30E-06	+	89352338	89352732	0	1	394,	0	-5.2	-4.96	5.25	-0.455	-1.42
chr5	1349997	1350392	AC026748	1.40E-06	+	1349997	1350392	0	1	395,	0	-5.84	-5.54	10	-0.452	-1.42
chr10	91798475	91798576	TNKS2	6.50E-06	+	91798475	91798576	0	1	101,	0	-5.19	-4.94	1.67	-0.45	-1.41
chr1	86350322	86351423	ODF2L	9.80E-10	-	86350322	86351423	0	1	1101,	0	-9.01	-8.33	7.17	-0.448	-1.41
chr6	21595544	21597032	SOX4	3.20E-12	+	21595544	21597032	0	1	1488,	0	-11.5	-10.3	8.88	-0.45	-1.41
chr20	23369733	23370580	GZF1	4.00E-07	+	23369733	23370580	0	2	8,490,	0,357	-6.4	-6.06	8.56	-0.45	-1.41
chr19	35936811	35939464	LRFN3	7.80E-06	+	35936811	35939464	0	2	744,55,	0,2598	-5.11	-4.87	7	-0.447	-1.41

chr1	1.51E+08	1.51E+08	C1orf56	0.00028	+	1.51E+08	1.51E+08	0	1	199,	0	-3.56	-3.41	3.91	-0.449	-1.41
chr2	2.2E+08	2.2E+08	STK11IP	1.40E-10	+	2.2E+08	2.2E+08	0	2	290,11,	0,442	-9.85	-9.01	1.82	-0.448	-1.41
chr2	85327071	85327948	TGOLN2	8.70E-10	-	85327071	85327948	0	2	614,32,	0,845	-9.06	-8.37	3.87	-0.449	-1.41
chr4	39273638	39273738	WDR19	8.90E-05	+	39273638	39273738	0	1	100,	0	-4.05	-2.99	2.08	-0.448	-1.41
chr15	42682398	42684189	STARD9	1.50E-05	+	42682398	42684189	0	2	177,74,	0,1717	-4.83	-3.69	2.2	-0.448	-1.41
chr19	49933236	49933337	ATF5	2.50E-08	+	49933236	49933337	0	1	101,	0	-7.6	-7.12	1.43	-0.448	-1.41
chr11	459312	459462	PTDSS2	0.0039	+	459312	459462	0	1	150,	0	-2.41	-1.49	4.25	-0.447	-1.41
chr12	1.22E+08	1.22E+08	B3GNT4	5.90E-07	+	1.22E+08	1.22E+08	0	1	100,	0	-6.23	-4.93	3.5	-0.449	-1.41
chr16	54285224	54285324	IRX3	0.00019	-	54285224	54285324	0	1	100,	0	-3.73	-3.57	4.8	-0.45	-1.41
chr14	24218199	24231731	NEDD8-M	9.30E-09	-	24218199	24231731	0	3	16,48,80,	0,184,13452	-8.03	-7.5	1.33	-0.45	-1.41
chr20	64098697	64098797	AL121581.	1.20E-07	-	64098697	64098797	0	1	100,	0	-6.93	-5.54	3.33	-0.447	-1.41
chr6	1.57E+08	1.57E+08	ARID1B	1.30E-08	+	1.57E+08	1.57E+08	0	1	251,	0	-7.9	-7.38	6.83	-0.444	-1.4
chr19	15160829	15160979	NOTCH3	1.10E-05	-	15160829	15160979	0	1	150,	0	-4.96	-4.74	1.68	-0.444	-1.4
chr5	1.17E+08	1.17E+08	SEMA6A	0.00014	-	1.17E+08	1.17E+08	0	1	101,	0	-3.84	-2.8	2.6	-0.444	-1.4
chr6	1.44E+08	1.44E+08	PLAGL1	0.00019	-	1.44E+08	1.44E+08	0	1	100,	0	-3.73	-2.71	1.78	-0.446	-1.4
chr5	1.13E+08	1.13E+08	MCC	0.00087	-	1.13E+08	1.13E+08	0	2	340,11,	0,1791	-3.06	-2.92	6.2	-0.446	-1.4
chr2	3379724	3388467	TRAPPC12	2.00E-09	+	3379724	3388467	0	2	152,848,	0,7895	-8.69	-8.06	5.2	-0.445	-1.4
chr17	7383629	7383779	TNK1	0.00089	+	7383629	7383779	0	1	150,	0	-3.05	-2.07	3.4	-0.442	-1.4
chr16	1781409	1781609	EME2	0.0035	+	1781409	1781609	0	1	200,	0	-2.46	-2.33	5.57	-0.446	-1.4
chr14	77113508	77113906	CIPC	7.80E-07	+	77113508	77113906	0	1	398,	0	-6.11	-5.79	8.45	-0.442	-1.4
chr17	81665183	81666337	OXLD1	6.50E-07	-	81665183	81666337	0	2	401,340,	0,814	-6.19	-5.87	6	-0.441	-1.4
chr10	50635213	50635663	SGMS1-A5	2.60E-07	+	50635213	50635663	0	1	450,	0	-6.59	-5.24	4.8	-0.445	-1.4
chr22	38671136	38671237	AL021707.	0.00026	-	38671136	38671237	0	1	101,	0	-3.59	-3.43	2	-0.442	-1.4
chr17	40628903	40630923	AC073508.	9.10E-07	-	40628903	40630923	0	2	90,210,	0,1810	-6.04	-5.73	1.62	-0.447	-1.4
chrX	1.24E+08	1.24E+08	THOC2	6.30E-10	-	1.24E+08	1.24E+08	0	2	382,118,	0,1552	-9.2	-8.49	2.84	-0.436	-1.39
chr20	5994382	5994533	MCM8	1.30E-09	+	5994382	5994533	0	1	151,	0	-8.89	-8.23	1.79	-0.437	-1.39
chr6	1.5E+08	1.5E+08	ULBP3	0.00021	-	1.5E+08	1.5E+08	0	1	544,	0	-3.67	-2.65	5	-0.439	-1.39
chr21	46004700	46004900	COL6A1	8.70E-06	+	46004700	46004900	0	1	200,	0	-5.06	-4.83	2.27	-0.438	-1.39
chr2	2.08E+08	2.08E+08	METTL21A	8.30E-06	-	2.08E+08	2.08E+08	0	1	201,	0	-5.08	-3.92	3	-0.439	-1.39
chr13	21140663	21140856	SAP18	7.90E-12	+	21140663	21140856	0	2	18,83,	0,110	-11.1	-10	1.08	-0.439	-1.39
chr5	1.55E+08	1.55E+08	LARP1	1.80E-08	+	1.55E+08	1.55E+08	0	2	307,44,	0,524	-7.75	-7.25	1.86	-0.441	-1.39
chrX	19913956	19914356	BCLAF3	4.40E-10	-	19913956	19914356	0	1	400,	0	-9.36	-7.57	5.83	-0.436	-1.39
chr21	45175808	45176559	ADARB1	1.50E-06	+	45175808	45176559	0	1	751,	0	-5.81	-5.52	10.8	-0.438	-1.39
chr1	268096	268197	AP006222.	6.20E-06	-	268096	268197	0	1	101,	0	-5.21	-4.03	2.17	-0.436	-1.39
chr2	96022732	96023032	FAHD2CP	7.60E-09	+	96022732	96023032	0	1	300,	0	-8.12	-7.57	13.3	-0.437	-1.39
chr15	48878384	48879284	EID1	1.60E-09	+	48878384	48879284	0	1	900,	0	-8.79	-8.14	3.5	-0.437	-1.39
chr11	73983989	73984137	AP003717.	2.30E-05	+	73983989	73984137	0	1	148,	0	-4.63	-3.51	4	-0.436	-1.39
chr16	546951	547501	CAPN15	1.60E-06	+	546951	547501	0	1	550,	0	-5.8	-5.51	3.58	-0.432	-1.38
chr2	1.03E+08	1.03E+08	SLC9A2	0.0027	+	1.03E+08	1.03E+08	0	1	150,	0	-2.57	-2.45	4.42	-0.432	-1.38
chr5	1.41E+08	1.41E+08	PCDHB14	0.0032	+	1.41E+08	1.41E+08	0	1	248,	0	-2.5	-1.57	5.8	-0.434	-1.38
chr22	36140874	36141024	APOL3	5.00E-06	-	36140874	36141024	0	1	150,	0	-5.3	-4.11	2.8	-0.432	-1.38
chr17	20365299	20365400	CCDC144C	2.80E-05	+	20365299	20365400	0	1	101,	0	-4.55	-3.44	2	-0.434	-1.38
chr16	30651234	30651383	PRR14	0.00015	+	30651234	30651383	0	1	149,	0	-3.81	-3.65	3.92	-0.432	-1.38
chr3	1.38E+08	1.38E+08	MRAS	0.00025	+	1.38E+08	1.38E+08	0	2	43,256,	0,347	-3.6	-2.59	3.89	-0.434	-1.38
chr7	95290118	95290419	PPP1R9A	5.80E-06	+	95290118	95290419	0	1	301,	0	-5.24	-5	4	-0.432	-1.38
chr15	88626421	88626621	AEN	6.90E-06	+	88626421	88626621	0	1	200,	0	-5.16	-4.92	4.05	-0.434	-1.38
chrX	1.21E+08	1.21E+08	GLUD2	0.00032	+	1.21E+08	1.21E+08	0	1	200,	0	-3.49	-2.48	3.6	-0.433	-1.38
chr2	24298766	24300160	ITSN2	2.50E-07	-	24298766	24300160	0	2	48,252,	0,1142	-6.6	-6.24	3.71	-0.433	-1.38
chr9	89002165	89002465	S1PR3	7.80E-05	+	89002165	89002465	0	1	300,	0	-4.11	-3.04	7	-0.434	-1.38
chr10	4651001	4651200	MANCR	8.10E-05	-	4651001	4651200	0	1	199,	0	-4.09	-3.03	5.67	-0.433	-1.38
chr2	2.27E+08	2.27E+08	AC097662.	2.70E-07	-	2.27E+08	2.27E+08	0	1	100,	0	-6.57	-5.22	9	-0.433	-1.38

chr3	1.39E+08	1.39E+08	AC046134	6.60E-05	+	1.39E+08	1.39E+08	0	1	101,	0	-4.18	-3.11	1.18	-0.434	-1.38
chr12	1.24E+08	1.24E+08	DDX55	5.00E-15	+	1.24E+08	1.24E+08	0	2	214,384,	0,453	-14.3	-12.5	8.31	-0.431	-1.37
chr5	90497687	90512124	POLR3G	1.30E-12	+	90497687	90512124	0	4	47,83,147,720,4218,8840,1		-11.9	-10.6	2.61	-0.428	-1.37
chr17	45061347	45061716	NMT1	3.20E-07	+	45061347	45061716	0	2	113,38,	0,331	-6.49	-6.14	1.32	-0.428	-1.37
chr1	1.5E+08	1.5E+08	ANP32E	4.10E-09	-	1.5E+08	1.5E+08	0	3	25,109,15,	0,2449,5871	-8.39	-7.8	1.4	-0.43	-1.37
chr16	71474879	71475179	ZNF19	6.50E-07	-	71474879	71475179	0	1	300,	0	-6.19	-4.89	3.83	-0.432	-1.37
chr1	2.27E+08	2.27E+08	CQO8A	1.60E-05	+	2.27E+08	2.27E+08	0	1	201,	0	-4.79	-4.58	3.5	-0.43	-1.37
chr3	52257118	52259200	WDR82	3.00E-10	-	52257118	52259200	0	3	401,143,4,	0,1417,2078	-9.52	-8.74	6.39	-0.429	-1.37
chrX	1.33E+08	1.33E+08	HS6ST2	1.90E-07	-	1.33E+08	1.33E+08	0	1	199,	0	-6.71	-5.35	3.44	-0.428	-1.37
chr19	58007543	58007893	AC008969	0.0014	+	58007543	58007893	0	1	350,	0	-2.84	-1.89	3.71	-0.428	-1.37
chr11	6567069	6567170	DNHD1	0.0012	+	6567069	6567170	0	1	101,	0	-2.93	-1.97	3.25	-0.43	-1.37
chr5	1.4E+08	1.4E+08	PURA	2.50E-16	+	1.4E+08	1.4E+08	0	1	1301,	0	-15.6	-13.6	8.71	-0.431	-1.37
chr10	1E+08	1E+08	MLMALINC	3.00E-04	+	1E+08	1E+08	0	1	201,	0	-3.52	-2.51	3.6	-0.428	-1.37
chr5	1.39E+08	1.39E+08	MATR3	5.50E-10	+	1.39E+08	1.39E+08	0	1	348,	0	-9.26	-8.54	1.82	-0.432	-1.37
chr2	3570503	3570704	AC108488	0.0025	-	3570503	3570704	0	1	201,	0	-2.61	-1.67	2.6	-0.432	-1.37
chr2	2.39E+08	2.39E+08	HDAC4	6.20E-07	-	2.39E+08	2.39E+08	0	1	549,	0	-6.21	-5.88	8.36	-0.425	-1.36
chr19	45350536	45350787	ERCC2	6.00E-08	-	45350536	45350787	0	1	251,	0	-7.22	-6.78	2.83	-0.421	-1.36
chr17	4948464	4948564	PFN1	2.20E-08	-	4948464	4948564	0	1	100,	0	-7.66	-7.17	1.5	-0.425	-1.36
chr2	2.07E+08	2.07E+08	KLF7	0.0014	-	2.07E+08	2.07E+08	0	2	70,31,	0,9728	-2.86	-1.9	2.25	-0.425	-1.36
chr9	1.13E+08	1.13E+08	POLE3	4.00E-12	-	1.13E+08	1.13E+08	0	2	323,170,	0,949	-11.4	-10.2	3.56	-0.422	-1.36
chr2	1.9E+08	1.9E+08	MFSD6	3.00E-04	+	1.9E+08	1.9E+08	0	1	151,	0	-3.52	-2.52	4	-0.425	-1.36
chr1	28887140	28893401	EPB41	7.90E-12	+	28887140	28893401	0	2	70,31,	0,6230	-11.1	-10	2.62	-0.424	-1.36
chr17	82018898	82019245	CENPX	6.80E-07	-	82018898	82019245	0	1	347,	0	-6.17	-5.84	3.52	-0.425	-1.36
chr7	1.49E+08	1.49E+08	ZNF282	4.40E-08	+	1.49E+08	1.49E+08	0	1	446,	0	-7.36	-6.91	4.48	-0.422	-1.36
chr5	471140	471937	XOC3	1.10E-08	+	471140	471937	0	1	797,	0	-7.96	-7.44	5.67	-0.422	-1.36
chr9	19200524	19200809	AL161909	1.50E-05	-	19200524	19200809	0	1	285,	0	-4.82	-3.69	3.25	-0.424	-1.36
chr19	14343436	14343916	LINC01842	2.50E-09	+	14343436	14343916	0	1	480,	0	-8.61	-6.96	3.43	-0.422	-1.36
chr17	2685116	2685366	PAFAH1B1	6.00E-07	+	2685116	2685366	0	1	250,	0	-6.22	-5.89	5.09	-0.419	-1.35
chr19	29942308	29942608	URI1	1.20E-10	+	29942308	29942608	0	1	300,	0	-9.93	-9.07	1.95	-0.42	-1.35
chr12	66331443	66338348	HELB	2.00E-09	+	66331443	66338348	0	2	202,348,	0,6557	-8.7	-8.07	6.14	-0.419	-1.35
chr15	42691729	42692129	STARD9	6.50E-05	+	42691729	42692129	0	1	400,	0	-4.19	-3.12	2.8	-0.416	-1.35
chr15	42720248	42720349	STARD9	3.60E-05	+	42720248	42720349	0	1	101,	0	-4.44	-4.24	3.91	-0.419	-1.35
chr11	7998319	7998519	EIF3F	4.60E-05	+	7998319	7998519	0	1	200,	0	-4.34	-3.25	4.5	-0.42	-1.35
chr7	77736463	77750060	RSBN1L	6.30E-13	+	77736463	77750060	0	2	63,637,	0,12960	-12.2	-10.8	12	-0.419	-1.35
chr12	62191893	62191994	TAF2	4.60E-05	-	62191893	62191994	0	1	101,	0	-4.34	-3.26	2	-0.419	-1.35
chr6	30571492	30578112	ABCF1	6.60E-10	+	30571492	30578112	0	4	68,47,96,40,	0,5916,6325,6	-9.18	-8.47	1.49	-0.418	-1.35
chr8	1.44E+08	1.44E+08	HGH1	1.60E-09	+	1.44E+08	1.44E+08	0	1	396,	0	-8.8	-8.16	5.62	-0.416	-1.35
chr7	39950170	39950720	CDK13	1.60E-12	+	39950170	39950720	0	1	550,	0	-11.8	-10.5	5.75	-0.416	-1.34
chr1	1.61E+08	1.61E+08	NR1I3	4.50E-08	-	1.61E+08	1.61E+08	0	1	297,	0	-7.35	-6.9	4.91	-0.412	-1.34
chr16	88611308	88622219	ZC3H18	1.10E-08	+	88611308	88622219	0	2	228,23,	0,10888	-7.95	-7.43	1.61	-0.415	-1.34
chrX	53082416	53082567	TSPYL2	1.50E-06	+	53082416	53082567	0	1	151,	0	-5.81	-5.52	2.33	-0.415	-1.34
chrX	1.03E+08	1.03E+08	BHLHB9	1.00E-06	+	1.03E+08	1.03E+08	0	1	299,	0	-5.99	-5.69	7.6	-0.415	-1.34
chr6	2988559	2988856	LINC01011	1.30E-05	+	2988559	2988856	0	1	297,	0	-4.88	-4.66	8	-0.416	-1.34
chr15	57712063	57714610	POLR2M	6.30E-12	+	57712063	57714610	0	2	125,75,	0,2472	-11.2	-10.1	3.75	-0.413	-1.34
chr1	24358192	24358592	STPG1	7.20E-07	-	24358192	24358592	0	1	400,	0	-6.14	-5.82	6.5	-0.408	-1.33
chr1	2.15E+08	2.15E+08	CENPF	2.00E-18	+	2.15E+08	2.15E+08	0	2	138,63,	0,1577	-17.7	-15.5	1.56	-0.409	-1.33
chr16	50153781	50154231	TENT4B	4.00E-12	+	50153781	50154231	0	1	450,	0	-11.4	-10.2	4.82	-0.41	-1.33
chr17	27625439	27625590	KSR1	5.60E-05	+	27625439	27625590	0	1	151,	0	-4.25	-3.18	2.5	-0.406	-1.33
chr1	2.28E+08	2.28E+08	SNAP47	7.10E-06	+	2.28E+08	2.28E+08	0	1	300,	0	-5.15	-4.91	7	-0.408	-1.33
chr11	70206146	70207092	FADD	6.00E-08	+	70206146	70207092	0	1	946,	0	-7.22	-6.78	8.89	-0.411	-1.33
chr4	87135662	87136262	AFF1	5.20E-05	+	87135662	87136262	0	1	600,	0	-4.28	-4.09	5.94	-0.409	-1.33

chr15	34341850	34343085	NOP10	3.20E-22	-	34341850	34343085	0	2	258,66,	0,1169		-21.5	-19.1	1.96	-0.41	-1.33
chr19	12272329	12272777	ZNF44	2.40E-07	-	12272329	12272777	0	1	448,		0	-6.62	-5.27	5.67	-0.411	-1.33
chr19	14151086	14151587	ADGRL1	6.30E-14	-	14151086	14151587	0	1	501,		0	-13.2	-11.6	9.47	-0.402	-1.32
chrX	1.3E+08	1.3E+08	BCORL1	6.50E-05	+	1.3E+08	1.3E+08	0	1	551,		0	-4.19	-4.01	4.27	-0.404	-1.32
chr1	1.51E+08	1.51E+08	PSMD4	1.40E-10	+	1.51E+08	1.51E+08	0	1	150,		0	-9.85	-9.01	1.2	-0.404	-1.32
chr3	14113011	14116439	CHCHD4	2.30E-08	-	14113011	14116439	0	2	183,14,	0,3414		-7.64	-7.15	4.64	-0.403	-1.32
chr4	1.52E+08	1.52E+08	FAM160A1	6.90E-07	+	1.52E+08	1.52E+08	0	1	251,		0	-6.16	-5.83	2.85	-0.406	-1.32
chr12	48837619	48837720	DDX23	9.80E-08	-	48837619	48837720	0	1	101,		0	-7.01	-6.6	1.29	-0.404	-1.32
chr1	1385859	1386158	CCNL2	1.00E-04	-	1385859	1386158	0	1	299,		0	-4	-3.83	3.33	-0.404	-1.32
chr5	1.39E+08	1.39E+08	PROB1	0.0043	-	1.39E+08	1.39E+08	0	1	100,		0	-2.37	-1.46	2.45	-0.404	-1.32
chr1	71237212	71237313	ZRANB2-A	2.50E-05	+	71237212	71237313	0	1	101,		0	-4.6	-3.49	3.6	-0.404	-1.32
chr22	23262816	23263065	FBXW4P1	3.50E-07	+	23262816	23263065	0	1	249,		0	-6.45	-6.1	8.29	-0.406	-1.32
chr12	6824921	6825530	GPR162	7.40E-06	+	6824921	6825530	0	2	251,47,	0,562		-5.13	-4.89	7.21	-0.404	-1.32
chr19	33304404	33305004	CEBPA-DT	1.20E-06	+	33304404	33305004	0	1	600,		0	-5.92	-5.62	18.4	-0.405	-1.32
chr3	1.87E+08	1.87E+08	ST6GAL1	1.50E-06	+	1.87E+08	1.87E+08	0	1	401,		0	-5.81	-5.52	2.9	-0.399	-1.31
chr7	99403485	99408548	PDAP1	4.20E-10	-	99403485	99408548	0	3	40,96,13,	0,1372,5050		-9.38	-8.63	1.67	-0.402	-1.31
chr4	56314127	56315277	KIAA1211	1.00E-09	+	56314127	56315277	0	1	1150,		0	-8.98	-8.31	5.39	-0.398	-1.31
chr17	56891979	56892229	TRIM25	1.60E-07	-	56891979	56892229	0	1	250,		0	-6.8	-6.42	5.56	-0.4	-1.31
chr16	15724351	15726886	MYH11	7.90E-11	-	15724351	15726886	0	4	58,153,251,30,295,536,249			-10.1	-9.24	7.14	-0.402	-1.31
chr16	2597657	2598156	PDPK1	1.50E-06	+	2597657	2598156	0	1	499,		0	-5.82	-5.52	9.17	-0.402	-1.31
chrX	9944896	9946953	SHROOM2	5.00E-06	+	9944896	9946953	0	2	17,283,	0,1774		-5.3	-4.11	3.75	-0.401	-1.31
chr2	2.36E+08	2.36E+08	AGAP1	4.40E-10	+	2.36E+08	2.36E+08	0	1	898,		0	-9.36	-8.62	8	-0.402	-1.31
chr2	2.27E+08	2.27E+08	IRS1	5.10E-07	-	2.27E+08	2.27E+08	0	1	100,		0	-6.29	-4.98	2.83	-0.4	-1.31
chr11	369597	369796	B4GALNT4	4.10E-05	+	369597	369796	0	1	199,		0	-4.39	-4.19	2.67	-0.399	-1.31
chr10	1.02E+08	1.02E+08	OGA	6.30E-11	-	1.02E+08	1.02E+08	0	1	201,		0	-10.2	-9.33	1.5	-0.399	-1.31
chr22	28002131	28002232	TTC28-AS.	0.0022	+	28002131	28002232	0	1	101,		0	-2.66	-1.72	4.2	-0.401	-1.31
chr6	1.58E+08	1.58E+08	GTF2H5	3.30E-09	+	1.58E+08	1.58E+08	0	1	250,		0	-8.48	-7.89	2	-0.399	-1.31
chr1	1.48E+08	1.48E+08	AC245100	4.70E-06	+	1.48E+08	1.48E+08	0	1	290,		0	-5.33	-5.08	5.56	-0.402	-1.31



diff.log2.fc  
-2.72  
-1.19  
-1.48  
-4.91  
-1.72  
-1.63  
-1.95  
-3.75  
-2.81  
-4.39  
-0.476  
-4.02  
-2.83  
-2.81  
-0.83  
-1.67  
-3.17  
-1.1  
-0.604  
-1.05  
-5.71  
-1.18  
-1.36  
-1.76  
-1.01  
-1.41  
-4  
-2.31  
-0.137  
-0.837  
-1.26  
-1.58  
-0.576  
-2.43  
-1.51  
-1.69  
-1.76  
-2.18  
-0.871  
-1.15  
-0.62  
-1.63  
-1.55  
-0.652  
-0.96  
-2.79  
-1.45  
-0.521

-0.794  
-4.57  
-0.476  
-1.44  
-1.39  
-2.3  
-0.667  
-2.64  
-1.43  
-0.517  
-1.76  
-1.3  
-1.38  
-1.02  
-0.479  
-0.396  
-0.782  
-0.609  
-0.913  
-0.565  
-0.0165  
-0.399  
-3.14  
-2.37  
-0.531  
-0.739  
-1.41  
-2.47  
-0.755  
-1.03  
-0.54  
-3.64  
-1.15  
-0.311  
-0.0585  
-1.03  
-0.567  
-0.79  
-0.174  
-0.772  
-0.336  
-1.67  
-2.09  
-1.04  
-0.567  
-0.0159  
-4.7  
-1  
-0.235  
-1.42  
-1.98

-2.43  
-0.763  
-0.606  
-1.02  
-1.64  
-0.405  
-4.76  
-0.455  
-0.456  
-1.06  
-0.734  
-2.33  
-0.552  
-0.544  
-0.444  
-1.56  
-0.477  
-1.56  
-0.964  
-0.379  
-0.638  
-1.05  
-0.554  
-0.541  
-1.78  
-0.603  
-1.15  
-0.942  
-0.487  
-2.49  
-0.67  
-0.49  
-1.36  
-1.96  
-1.76  
-1.77  
-0.811  
-0.578  
-0.219  
-2.74  
-0.72  
-0.783  
-1.9  
-0.777  
-1.67  
-1.24  
-0.678  
-2.84  
-1.66  
-2.87  
-0.917

-1.73  
-1.8  
-0.254  
-2.34  
-0.344  
-1.33  
-0.793  
-1.7  
-0.719  
-0.469  
-1.55  
-1.2  
-0.571  
-1.66  
-2.32  
-0.672  
-1.31  
-0.0995  
-1.4  
-2.36  
-3.04  
-1.51  
-0.862  
-0.647  
-0.0815  
-0.607  
-0.248  
-0.61  
-2.15  
-1.12  
-0.865  
-0.344  
-0.763  
-2.67  
-0.714  
-2.73  
-0.719  
-0.969  
-2.68  
-1.71  
-1.38  
-0.805  
-0.597  
-0.726  
-0.854  
-2.12  
-0.704  
-0.549  
-0.222  
-1.93  
-1.36

-1.34  
-1  
-0.167  
-0.574  
-0.859  
-0.914  
-1.91  
-0.942  
-2.12  
-1.13  
-0.865  
-0.643  
-1.22  
-1.05  
-2.02  
-0.817  
-0.783  
-0.742  
-0.323  
-0.814  
-0.982  
-2.53  
-1.59  
-0.82  
-2  
-1.02  
-0.897  
-1.3  
-2.09  
-0.44  
-0.909  
-0.816  
-0.699  
-1.31  
-0.973  
-2.22  
-0.93  
-2.73  
-0.968  
-1.38  
-0.442  
-0.934  
-2.2  
-0.083  
-0.525  
-1.07  
-0.37  
-1.3  
-1.72  
-0.698  
-1.51

-2.46  
-1.3  
-0.875  
-0.772  
-0.742  
-0.338  
-1.02  
-1.43  
-0.795  
-1.03  
-0.22  
-3.75  
-1.57  
-0.0348  
-1.3  
-0.598  
-1.61  
-2.06  
-0.637  
-1.83  
-1.05  
-0.114  
-2.07  
-2.45  
-0.635  
-1.48  
-0.369  
-1.72  
-1.16  
-1.42  
-1.42  
-1.73  
-1.64  
-1.72  
-0.126  
-0.83  
-3.86  
-0.0473  
-0.973  
-2.74  
-1.69  
-0.44  
-1.66  
-0.266  
-1.1  
-1.49  
-0.402  
-0.447  
-0.13  
-1.34  
-0.193

-1.15  
-0.116  
-1.91  
-1.12  
-1.06  
-0.909  
-0.951  
-3.9  
-0.27  
-0.933  
-0.726  
-0.56  
-0.505  
-0.485  
-0.778  
-0.624  
-1.61  
-1.18  
-0.676  
-1.84  
-0.454  
-0.272  
-0.951  
-1.64  
-0.643  
-0.721  
-0.611  
-0.486  
-0.319  
-0.588  
-1.39  
-0.954  
-0.966  
-0.378  
-0.686  
-2.02  
-1.64  
-0.412  
-2.16  
-0.475  
-2.09  
-1.6  
-2.12  
-0.754  
-1.15  
-0.545  
-2.56  
-2.97  
-2.23  
-0.543  
-0.734

-0.878  
-0.922  
-0.632  
-0.616  
-1.04  
-0.573  
-0.407  
-1.03  
-2.57  
-0.365  
-0.969  
-2.2  
-1.14  
-3.09  
-1.97  
-1.11  
-0.773  
-0.594  
-0.942  
-0.83  
-2.95  
-3.22  
-1.15  
-1.64  
-1.35  
-1.32  
-1.41  
-1.66  
-1.66  
-1.25  
-0.652  
-2.18  
-2.72  
-1.1  
-0.645  
-1.71  
-2.65  
-1.44  
-0.316  
-2.2  
-0.877  
-0.548  
-0.883  
-0.974  
-0.0939  
-0.632  
-1.16  
-0.978  
-3.09  
-0.675  
-0.739



-1.49  
-0.806  
-0.985  
-0.98  
-1.11  
-1.63  
-0.617  
-1.14  
-1.67  
-1.24  
-1.61  
-0.693  
-3.52  
-0.34  
-2.15  
-0.194  
-1.72  
-2.08  
-1.29  
-0.665  
-2.27  
-1.65  
-1.29  
-1.31  
-0.665  
-1.02  
-0.461  
-0.324  
-0.137  
-0.522  
-3.43  
-0.403  
-0.907  
-1.11  
-1.16  
-1.18  
-0.83  
-2.91  
-2  
-0.192  
-0.36  
-3  
-1.45  
-2.11  
-0.49  
-3.46  
-1.01  
-0.68  
-1.67  
-3.91  
-1.99

-0.663  
-0.253  
-0.963  
-0.515  
-0.215  
-0.757  
-3.06  
-1.67  
-0.405  
-0.42  
-0.944  
-0.724  
-0.643  
-0.0418  
-1.13  
-0.22  
-1.61  
-1.47  
-0.637  
-3.78  
-0.984  
-1.19  
-2.96  
-1.2  
-0.67  
-1.61  
-3.46  
-1.23  
-0.533  
-1.38  
-0.181  
-2.58  
-1.46  
-0.53  
-0.373  
-0.758  
-0.0106  
-1.93  
-1.34  
-0.761  
-0.909  
-1.77  
-2.21  
-1.57  
-0.592  
-0.384  
-0.357  
-0.846  
-0.769  
-0.751  
-1.09

-2.46  
-0.424  
-0.753  
-0.208  
-1.58  
-1.5  
-0.679  
-1.09  
-0.623  
-3.07  
-0.877  
-0.573  
-1.19  
-0.0914  
-2.06  
-1.44  
-0.491  
-2  
-0.372  
-0.441  
-0.0191  
-1.09  
-0.358  
-2.46  
-0.596  
-0.416  
-1.85  
-1.04  
-0.309  
-0.613  
-1.48  
-0.647  
-0.757  
-0.704  
-0.46  
-1.11  
-1.65  
-0.0536  
-0.676  
-0.879  
-1.68  
-0.756  
-1.3  
-0.654  
-0.616  
-2.18  
-0.509  
-0.86  
-1.11  
-0.447  
-0.881

-1.07  
-0.34  
-1.36  
-1.39  
-1.11  
-1  
-0.82  
-0.153  
-1.05  
-0.856  
-0.586  
-2  
-2.24  
-1.83  
-1.33  
-1.75  
-0.0311  
-0.0322  
-0.618  
-2  
-0.142  
-0.47  
-1.91  
-2.02  
-1.22  
-1.7  
-1.96  
-0.322  
-0.42  
-0.47  
-1.15  
-0.963  
-0.302  
-0.0825  
-0.558  
-0.691  
-1.28  
-1.54  
-1.05  
-3.32  
-0.521  
-1.94  
-1.15  
-0.715  
-2.11  
-0.738  
-2.39  
-0.615  
-0.852  
-0.569  
-0.661

-0.708  
-0.898  
-0.462  
-0.586  
-0.381  
-0.794  
-0.18  
-0.925  
-0.379  
-0.39  
-1.27  
-0.534  
-0.403  
-1.87  
-1.21  
-0.319  
-0.879  
-1.87  
-0.394  
-0.699  
-3.17  
-0.735  
-1.27  
-0.682  
-0.652  
-0.933  
-1.64  
-0.7  
-0.801  
-0.468  
-0.877  
-1.71  
-1.66  
-1.08  
-1.71  
-0.188  
-1.19  
-2.28  
-0.724  
-0.0489  
-1.83  
-0.448  
-4.52  
-1.24  
-2.84  
-0.932  
-0.339  
-1.31  
-1.77  
-1.1  
-0.766

-0.76  
-1.89  
-0.958  
-1.1  
-1.98  
-0.255  
-0.701  
-1.54  
-0.56  
-0.49  
-0.436  
-0.765  
-0.321  
-2.16  
-0.689  
-1.23  
-0.562  
-0.0305  
-2.04  
-0.599  
-0.936  
-0.366  
-0.555  
-0.661  
-2.02  
-0.439  
-1.48  
-3.54  
-0.681  
-1.19  
-2.27  
-0.894  
-0.598  
-0.609  
-0.251  
-1.09  
-2.71  
-2  
-0.885  
-0.954  
-2.91  
-1.9  
-0.995  
-1.47  
-1.26  
-0.336  
-0.288  
-2.17  
-0.417  
-0.49  
-1.02

-1.72  
-0.677  
-1.23  
-0.743  
-0.122  
-1.5  
-0.998  
-0.18  
-2.36  
-0.667  
-2.75  
-0.447  
-0.482  
-0.635  
-0.457  
-0.469  
-0.616  
-1.04  
-2.36  
-2.81  
-0.695  
-1.29  
-0.886  
-0.648  
-2.28  
-1  
-0.442  
-0.33  
-1.24  
-2.94  
-1.14  
-0.5  
-1.68  
-0.972  
-1.45  
-0.259  
-1.61  
-0.98  
-0.384  
-0.706  
-1.35  
-0.736  
-0.613  
-1.83  
-0.741  
-1.91  
-1.85  
-0.105  
-1.8  
-1.13  
-1.18

-1.54  
-1.11  
-0.133  
-1.29  
-1.48  
-1.12  
-0.902  
-2.59  
-1.02  
-0.859  
-0.636  
-0.479  
-0.36  
-2.3  
-0.403  
-0.564  
-1.35  
-0.689  
-1.28  
-0.943  
-0.324  
-1.79  
-0.408  
-0.699  
-0.764  
-0.278  
-0.993  
-0.808  
-0.0725  
-1.55  
-0.647  
-0.732  
-1.5  
-1.11  
-0.495  
-0.0747  
-0.608  
-0.141  
-2.15  
-0.871  
-0.628  
-1.05  
-1.19  
-0.913  
-1.22  
-0.369  
-1.61  
-0.29  
-1.03  
-0.454  
-1.21



-1.02  
-0.669  
-0.94  
-0.894  
-0.684  
-0.669  
-1.66  
-0.702  
-3.21  
-0.71  
-1.18  
-0.217  
-2  
-0.773  
-1.26  
-1.31  
-1.94  
-2.95  
-0.496  
-0.628  
-0.31  
-1.67  
-0.398  
-1.79  
-1.18  
-0.5  
-0.0152  
-0.468  
-0.286  
-1.57  
-2.17  
-0.841  
-2.32  
-0.55  
-1.01  
-0.852  
-1.24  
-0.411  
-0.538  
-0.944  
-1.67  
-0.995  
-0.777  
-1.22  
-0.901  
-0.971  
-1.43  
-2.32  
-1.98  
-1.35  
-1.62

-1.65  
-0.525  
-0.724  
-0.767  
-1.23  
-0.594  
-0.524  
-0.872  
-0.547  
-0.656  
-1.17  
-1.34  
-1.31  
-0.579  
-0.241  
-1.76  
-0.907  
-1.67  
-1.56  
-0.74  
-1.88  
-1.27  
-0.587  
-2.27  
-0.997  
-1.28  
-0.842  
-0.881  
-1.64  
-1.02  
-0.767  
-2.29  
-0.775  
-0.621  
-1.29  
-1.76  
-0.985  
-2.52  
-1  
-0.348  
-1.19  
-0.325  
-0.302  
-1.77  
-1.05  
-1.75  
-0.766  
-0.467  
-0.955  
-1.7  
-1.2

-2.24  
-0.786  
-1.08  
-1.03  
-1.51  
-1.95  
-0.565  
-1.77  
-1.41  
-0.617  
-0.379  
-0.598  
-1.16  
-0.79  
-0.734  
-0.352  
-1.12  
-0.865  
-0.856  
-2.03  
-0.454  
-1.4  
-2.53  
-2.07  
-3.58  
-0.742  
-0.723  
-0.196  
-0.51  
-0.91  
-0.511  
-0.708  
-1.02  
-1.47  
-0.882  
-1.84  
-2.27  
-1.5  
-0.722  
-0.769  
-1.47  
-1.46  
-2  
-1.77  
-0.779  
-2.22  
-1.37  
-0.507  
-1.02  
-1.24  
-0.963

-0.0339  
-0.313  
-0.893  
-3.32  
-0.647  
-0.482  
-1.87  
-1.09  
-0.943  
-0.96  
-1.87  
-0.671  
-1.81  
-0.252  
-0.861  
-0.056  
-1.7  
-0.498  
-0.888  
-0.762  
-1.37  
-1.96  
-0.372  
-1.5  
-0.882  
-0.671  
-1.76  
-1.24  
-1.22  
-0.382  
-1.56  
-1.84  
-0.862  
-0.65  
-0.594  
-0.632  
-0.35  
-0.915  
-1.37  
-0.413  
-0.458  
-1.22  
-0.473  
-2.32  
-0.751  
-0.492  
-0.585  
-1.81  
-1.37  
-2.97  
-0.535

-1.17  
-1.32  
-0.767  
-0.826  
-0.792  
-0.503  
-0.521  
-1.15  
-0.77  
-0.824  
-0.953  
-0.907  
-0.162  
-0.254  
-0.276  
-0.146  
-0.186  
-0.436  
-0.458  
-0.299  
-0.361  
-1.06  
-0.0195  
-1.76  
-0.872  
-0.807  
-0.774  
-0.499  
-0.812  
-0.971  
-0.572  
-0.576  
-0.578  
-0.17  
-0.494  
-1.72  
-1.4  
-0.884  
-1.48  
-1.15  
-0.216  
-0.409  
-0.199  
-0.838  
-0.298  
-1.67  
-0.385  
-0.531  
-0.62  
-1.01  
-1.04

-0.107  
-0.567  
-0.858  
-0.664  
-1.06  
-0.253  
-0.872  
-1.17  
-0.857  
-1.37  
-1.58  
-2.02  
-0.489  
-1.11  
-0.439  
-0.468  
-0.367  
-0.574  
-1.13  
-0.684  
-3.39  
-0.0969  
-0.938  
-1.04  
-1.57  
-0.409  
-0.194  
-2.43  
-2.28  
-2.07  
-0.224  
-1.03  
-0.377  
-1.13  
-0.921  
-0.403  
-0.973  
-0.573  
-1.24  
-3.48  
-0.58  
-0.203  
-1.35  
-0.714  
-0.699  
-0.299  
-0.669  
-1.6  
-0.636  
-1.01  
-1.2

-0.534  
-0.342  
-0.786  
-1.83  
-0.862  
-0.878  
-0.556  
-0.671  
-0.283  
-0.249  
-0.34  
-1.55  
-0.889  
-1.12  
-0.812  
-2.29  
-0.66  
-0.397  
-0.603  
-0.0451  
-0.345  
-2.79  
-1.4  
-1.36  
-0.874  
-0.511  
-1.16  
-0.914  
-0.851  
-0.848  
-1.33  
-1.81  
-0.989  
-0.801  
-0.733  
-0.533  
-0.16  
-0.986  
-1.23  
-1.03  
-1.15  
-0.71  
-0.71  
-0.673  
-0.668  
-0.813  
-1.48  
-1.21  
-0.576  
-0.719  
-0.307

-0.149  
-1.04  
-2.25  
-0.274  
-0.98  
-0.713  
-0.388  
-1.08  
-0.205  
-0.807  
-0.596  
-0.768  
-0.615  
-0.629  
-0.339  
-0.769  
-0.455  
-0.715  
-0.854  
-1.47  
-0.306  
-0.319  
-1.09  
-0.749  
-1.31  
-1.41  
diff.log2.fc  
5.16  
1.32  
4.07  
1.58  
4.04  
4.91  
4.86  
2.58  
1.97  
1.86  
1.82  
1.2  
3.75  
2.25  
3.47  
1.25  
3.19  
1.43  
3.47  
1.83  
3.42  
1.3  
2.7  
3.32



3.22  
2.7  
1.35  
0.36  
0.754  
3.37  
0.263  
0.18  
0.594  
0.308  
2.07  
1.52  
0.176  
1.06  
3.17  
0.785  
3.71  
1.91  
1.16  
0.652  
0.639  
0.74  
2.02  
1.63  
0.921  
2.03  
0.625  
0.257  
0.897  
0.478  
1.13  
0.507  
0.63  
0.537  
1.4  
1.56  
2.25  
0.894  
1.4  
3.61  
0.621  
1.35  
2.01  
0.409  
0.257  
1.88  
4.62  
1.06  
1.53  
1.86  
1

1.73  
1.16  
1.9  
1.13  
1.26  
0.652  
1.32  
1.09  
3.51  
2.8  
0.525  
1.88  
0.75  
1.98  
0.292  
2.95  
0.318  
1.03  
0.923  
0.0704  
1.32  
1.61  
2.32  
2.52  
1.15  
1.7  
0.433  
1.66  
0.956  
1.79  
1.94  
3.46  
0.591  
1.48  
1.29  
3.54  
0.96  
1.81  
1.18  
0.297  
1.21  
3.6  
4.22  
1.88  
0.109  
2.42  
0.028  
0.355  
0.51  
0.907  
3.12

1.03  
0.409  
0.478  
2.3  
0.848  
0.477  
1.03  
2.29  
0.64  
0.565  
0.71  
3.7  
0.64  
0.657  
0.86  
0.427  
1.8  
0.517  
2.12  
3.32  
2.74  
3.12  
0.0372  
1.74  
0.524  
0.17  
2.44  
0.472  
1.49  
2.92  
0.0995  
5.1  
3.54  
1.1  
2.14  
1.19  
0.201  
0.454  
2.27  
0.2  
1.42  
2.66  
0.826  
1.09  
0.799  
1.02  
1.94  
1.37  
1.21  
2.6  
2.91

0.91  
1.14  
0.693  
0.0186  
0.533  
1.22  
0.264  
1.7  
2.21  
1.09  
0.371  
1.72  
0.354  
1.38  
1.93  
0.0191  
1.19  
0.356  
1.05  
1.25  
0.291  
2.23  
0.775  
3.56  
0.233  
1.64  
0.478  
0.648  
1.71  
1.85  
2.44  
0.724  
1.53  
1.36  
0.67  
1.66  
1.6  
0.833  
1.43  
0.575  
2.48  
1.24  
1.01  
0.819  
1.29  
1.22  
0.435  
1.29  
1.26  
1.12  
0.528

0.677  
0.579  
1.31  
1.54  
0.679  
0.542  
4.13  
1.18  
0.825  
0.469  
1.03  
0.242  
0.253  
1.88  
1.22  
2.63  
1.79  
1.99  
0.704  
1.95  
0.453  
0.575  
2.75  
0.551  
1.11  
1.26  
0.559  
1.74  
1.33  
0.707  
2.51  
1.24  
0.71  
0.175  
2.23  
1.04  
3.08  
0.4  
0.592  
0.0544  
2.22  
2.19  
0.631  
0.32  
0.385  
3.52  
0.837  
1.58  
1.93  
2.77  
0.989

1.42  
0.74  
0.511  
1.16  
1.88  
1.79  
0.333  
3.97  
0.741  
3.49  
0.399  
2.24  
0.508  
0.632  
0.619  
1.03  
0.489  
2.09  
1.38  
1.28  
0.664  
1.05  
1.82  
0.25  
0.0672  
0.775  
1.39  
1.61  
0.937  
0.932  
1.2  
0.844  
1.28  
1.82  
1.47  
1.78  
0.556  
2.62  
0.737  
2.02  
0.872  
0.446  
3.01  
0.465  
1.31  
1.95  
1.24  
0.467  
0.511  
1.47  
1.15

0.643  
1.37  
0.802  
0.379  
0.801  
1.67  
1.34  
0.642  
0.506  
1.16  
1.86  
0.398  
3.1  
0.848  
0.635  
0.666  
2.4  
0.787  
1.54  
1.29  
0.816  
1.5  
1.11  
1.23  
2.67  
2.68  
0.234  
2.62  
2.29  
1.97  
3.83  
0.494  
0.828  
0.11  
1.63  
0.776  
1.2  
0.316  
0.908  
2.22  
0.599  
2.68  
0.268  
1.09  
3.09  
1.59  
0.825  
2.38  
0.93  
1.19  
0.183

1.78  
0.956  
0.396  
0.238  
1.58  
1.18  
0.726  
0.504  
2.33  
1.91  
0.184  
0.593  
0.32  
0.599  
0.463  
0.382  
0.8  
0.628  
1.58  
1.23  
0.188  
1.54  
2.22  
1.81  
0.664  
0.161  
2.46  
2.75  
1.71  
1.13  
1.79  
0.684  
1.1  
3.8  
0.107  
1.48  
0.843  
0.159  
2.84  
2.52  
1.61  
0.833  
0.686  
0.681  
0.425  
0.808  
0.586  
0.755  
0.626  
1.67  
0.658



0.555  
1.1  
0.831  
1.15  
0.644  
1.05  
3.5  
1.56  
0.432  
0.385  
2.34  
0.555  
2.81  
1.45  
2.39  
0.878  
0.836  
1.83  
2.83  
1.06  
0.455  
0.69  
1.2  
0.982  
1.39  
1.41  
0.362  
0.642  
2.49  
0.928  
0.455  
0.92  
1.43  
1.25  
2.94  
0.994  
1.57  
0.933  
3.12  
0.801  
0.458  
0.604  
1.2  
1.95  
1.21  
1.07  
1.59  
2.03  
0.547  
1.62  
0.725

0.686  
1.27  
1.79  
1.34  
0.78  
0.346  
1.03  
0.747  
1.1  
0.538  
1.15  
1.01  
0.51  
0.352  
0.929  
0.527  
0.194  
0.285  
2.06  
0.339  
1  
1.01  
0.0652  
0.9  
1.91  
0.939  
1.63  
0.973  
0.642  
1  
1.36  
0.822  
0.747  
0.0589  
1.11  
0.0841  
0.582  
0.763  
0.776  
1.23  
2.03  
1.81  
0.569  
0.723  
2.35  
0.466  
0.724  
1.71  
0.799  
2.04  
0.41

3.29  
0.585  
0.66  
1.38  
1.04  
1.29  
0.247  
0.285  
0.929  
0.543  
0.475  
0.707  
1.2  
0.0841  
2.46  
1.66  
1.91  
1.32  
1.89  
1.95  
1.62  
0.444  
2.15  
0.711  
1.39  
0.959  
1.34  
0.257  
1.24  
0.805  
2.51  
0.318  
0.426  
0.721  
1.5  
0.805  
1.59  
0.567  
0.922  
0.923  
0.536  
1.46  
0.601  
1.55  
1.99  
0.933  
0.572  
0.73  
0.774  
1.07  
0.899

0.967  
0.373  
1.03  
0.647  
0.441  
0.262  
0.765  
0.716  
0.516  
0.953  
0.634  
0.655  
0.542  
0.563  
1.72  
0.585  
1.08  
1.32  
0.714  
1.36  
2.06  
0.599  
1.15  
1.01  
0.775  
1.34  
1.86  
0.722  
1.01  
0.667  
0.565  
2.29  
1.32  
1.94  
0.981  
0.337  
4.25  
0.527  
0.976  
1  
0.401  
0.795  
1.61  
1.56  
1.02  
1.29  
0.619  
0.543  
0.414  
0.289  
0.624

1.58  
1.24  
2.14  
1.07  
0.363  
0.578  
1.84  
0.403  
1.56  
1.69  
0.823  
1.5  
4.11  
1.91  
0.0536  
1.43  
0.299  
0.426  
1.22  
0.498  
1.11  
0.629  
1.13  
1  
0.826  
2.54  
1.32  
0.274  
0.369  
0.582  
0.528  
1.32  
0.972  
0.696  
1.07  
1.9  
1.34  
0.669  
1.27  
0.932  
1.19  
0.126  
2.07  
2.39  
0.625  
0.561  
0.063  
1.93  
0.698  
0.391  
0.647

0.98  
2.21  
1.09  
0.141  
3.22  
2.07  
1.15  
1.38  
0.0647  
1.07  
2.54  
0.403  
0.306  
1.54  
0.507  
0.673  
0.608  
0.933  
1.58  
0.34  
1.5  
1.23  
2.13  
2.4  
0.57  
3.29  
1.35  
0.783  
0.887  
1.22  
0.425  
1.81  
0.377  
1.03  
1.65  
0.932  
1.46  
1.13  
1.38  
1.25  
0.705  
4  
1.86  
0.66  
1.17  
1.73  
0.633  
1.09  
2.95  
2.95  
0.291

0.239  
0.338  
0.953  
0.343  
1.7  
1.13  
0.294  
1.58  
1.54  
1.51  
0.0466  
0.108  
1.38  
1.04  
0.627  
1.4  
1.38  
0.703  
0.571  
1.02  
0.611  
1.62  
1.1  
0.758  
0.485  
0.495  
0.705  
1.79  
2.17  
1.97  
0.624  
0.546  
0.972  
1.68  
0.284  
0.27  
1  
1.02  
0.632  
0.392  
0.407  
1.89  
0.762  
2.27  
0.139  
1.43  
1.05  
0.95  
0.46  
1.11  
2.01

0.952  
2.67  
1.39  
0.872  
0.274  
1.31  
1.11  
1.69  
1.54  
0.236  
1.47  
1.87  
1.13  
1.11  
1.59  
0.833  
0.0232  
0.818  
1.09  
0.895  
0.563  
0.887  
2.3  
0.295  
1.26  
0.231  
0.348  
1.73  
1.85  
0.69  
0.891  
1.07  
1.09  
1.03  
0.598  
0.652  
0.807  
0.662  
0.186  
0.586  
0.759  
1.68  
0.833  
0.229  
1  
1.32  
1.53  
1.11  
0.343  
1.26  
1.13



1.06  
0.998  
0.868  
2.34  
2.44  
0.679  
2  
0.565  
0.123  
0.492  
0.872  
1.4  
1.17  
0.589  
1.95  
1.74  
0.955  
0.494  
0.458  
0.38  
0.593  
3.38  
1.98  
0.352  
0.611  
0.468  
0.737  
1.26  
1.47  
0.942  
0.728  
1.44  
1.49  
0.341  
1.7  
0.161  
1.03  
1.1  
0.785  
0.876  
0.417  
1.95  
0.695  
3.09  
0.921  
1.13  
0.594  
0.794  
2.87  
1.37  
0.443

0.774  
2  
0.347  
1.14  
0.261  
0.519  
0.81  
0.53  
0.253  
3.06  
0.805  
0.577  
1.61  
0.491  
1.35  
0.635  
0.973  
3.63  
1.39  
0.641  
0.149  
0.759  
0.281  
0.343  
1.54  
0.5  
1.29  
0.595  
0.682  
0.993  
1.19  
1.49  
1.28  
0.692  
0.544  
0.737  
1.28  
0.672  
0.33  
1.23  
0.866  
1.79  
2.12  
1.09  
1.64  
0.465  
0.585  
0.56  
0.236  
0.801  
1.91

0.396  
1.5  
0.4  
0.487  
0.227  
0.661  
0.553  
1.29  
0.041  
1.27  
2.19  
1.97  
2.64  
1.13  
2.21  
0.624  
0.892  
1.88  
0.694  
0.776  
0.725  
0.506  
0.706  
0.492  
0.632  
0.644  
0.708  
0.986  
2.87  
2.24  
0.323  
0.821  
0.946  
1.69  
1.23  
0.484  
0.772  
0.669  
0.756  
1.16  
1.48  
0.604  
0.625  
0.921  
0.8  
1.17  
0.495  
0.788  
0.533  
1.22  
1.62

1.39  
1.05  
2.42  
2.57  
0.51  
0.234  
1.61  
1  
0.618  
1.01  
0.508  
0.807  
2.3  
2.62  
0.587  
2.46  
0.746  
0.805  
0.409  
0.793  
1.81  
2.62  
0.451  
1.84  
0.49  
1.47  
2.03  
0.581  
1.23  
1.16  
2.26  
1.05  
1.2  
0.562  
0.602  
0.875  
1.46  
1.1  
0.852  
0.79  
0.0748  
0.846  
0.912  
2.74  
0.861  
0.792  
0.409  
0.276  
0.872  
0.383  
1.29

0.941  
0.876  
1.35  
0.248  
0.861  
0.0893  
0.385  
0.472  
1.64  
1.23  
0.537  
0.275  
1.26  
0.401  
0.00556  
0.502  
0.581  
1.94  
3.52  
1.1  
0.142  
1.53  
2.14  
1.3  
0.797  
0.115  
1.87  
2.71  
1.15  
0.356  
0.144  
0.772  
0.654  
1.94  
2.06  
0.945  
1.07  
0.478  
0.664  
1.1  
0.909  
0.564  
1.4  
1.18  
0.166  
0.638  
1.09  
0.599  
0.226  
0.327  
0.538

0.248  
0.751  
0.552  
1.78  
0.526  
0.861  
1.43  
0.848  
1.76  
0.575  
0.268  
1.07  
0.325  
1.32  
1.04  
0.91  
0.397  
1.7  
0.643  
0.798  
0.37  
0.069  
0.881  
0.362  
0.298  
1.42  
0.91  
0.498  
0.844  
0.599  
0.361  
0.844  
0.571  
1.22  
0.538  
0.35  
2.53  
0.715  
0.0589  
0.134  
2  
2.83  
1.23  
1.08  
0.883  
0.963  
1.58  
0.673  
1.09  
0.166  
2.34

1.49  
0.714  
0.884  
0.455  
0.391  
0.78  
0.585  
0.0294  
0.556  
0.138  
2.77  
0.504  
1.62  
0.349  
0.836  
0.59  
0.889  
0.565  
1.81  
0.625  
0.0794  
0.922  
0.716  
0.559  
0.641  
0.337  
0.867  
1.61  
0.601  
0.733  
0.337  
1.26  
2.69  
0.0889  
1.35  
0.359  
0.83  
0.0612  
0.847  
0.491  
0.915  
0.618  
0.85  
0.631  
0.666  
0.603  
0.551  
0.671  
0.534  
0.37  
0.541

0.553  
1.37  
0.317  
0.0653  
0.441  
0.715  
0.708  
0.53  
1.56  
0.485  
1.63  
1.47  
0.485  
0.426  
0.997  
0.498  
0.425  
0.831  
0.933  
0.71  
2.29  
0.306  
0.954  
0.771  
0.485  
2.54  
1  
0.894