

chromoson	start	end	gene	direction	log2 fold	pvalue	qvalue	Type
chr1	161589801	161590800		Up	1.46	5.32E-05	0.006524	Intergenic
chr1	96219001	96220000	Sult2b1	Up	1.39	1.98E-05	0.003224	Genebody
chr2	51590201	51591200	Nnt	Up	1.36	2.10E-05	0.003377	1k promote
chr10	75961801	75962800	Rnf43	Up	1.28	7.46E-05	0.008257	Genebody
chr4	116776601	116777600	Tacr1	Up	1.26	2.92E-05	0.004258	Genebody
chr5	172949701	172950800	RGD13115	Up	1.2	2.62E-05	0.003932	3k promote
chr8	113974001	113975000	Col7a1	Up	1.2	5.39E-05	0.006601	Genebody
chr12	18711901	18713700		Up	1.2	3.74E-05	0.0051	Intergenic
chr18	29447601	29448600	Ik	Up	1.19	8.69E-05	0.009183	Genebody
chr1	243734101	243735900		Up	1.15	8.58E-07	0.00035	Intergenic
chr1	75118501	75120300		Up	1.14	3.72E-05	0.005086	Intergenic
chr4	184156901	184158200	Zfp64	Up	1.13	4.17E-05	0.005523	Genebody
chr1	244104301	244105300		Up	1.13	1.85E-05	0.003065	Intergenic
chr3	160019801	160020800	Ppp1r16b	Up	1.12	6.75E-05	0.007749	Genebody
chr3	149459701	149460700	Fdps	Up	1.1	7.06E-05	0.007979	Genebody
chr7	101246401	101247500	Kcnq2	Up	1.07	2.74E-05	0.004068	Genebody
chr1	75685601	75687200		Up	1.06	4.83E-05	0.006124	Intergenic
chr2	181170601	181171600	Fam49b	Up	1.04	5.79E-05	0.006959	Genebody
chr1	73406401	73407400	Adora1	Up	1.03	0.00016	0.015602	3k promote
chr3	170229001	170230000	Zfp112	Up	1.03	7.77E-05	0.008503	Genebody
chr5	172949701	172950800	Edn1	Up	1.02	0.000162	0.015792	3k promote
chr18	24568701	24569800	Fyn	Up	1.02	4.88E-05	0.006167	Genebody
chr10	79147401	79148400		Up	1.02	6.83E-05	0.007808	Intergenic
chr1	79337501	79338500	Map2k2	Up	1.01	5.57E-05	0.006763	Genebody
chr2	217905901	217907500	Slc26a6	Up	1.01	8.27E-05	0.008903	Genebody
chr16	47222601	47223600		Up	1.01	6.35E-05	0.007414	Intergenic
chr4	132017601	132018600		Up	1.01	9.01E-05	0.009421	Intergenic
chr16	78939301	78940300		Up	1	9.78E-05	0.009917	Intergenic
chr1	8357801	8358800	Nxph1	Up	1	1.89E-05	0.003109	proximal pr
chr20	43623301	43624300	Proc	Up	0.99	5.20E-05	0.006426	Genebody
chr6	46565001	46566000		Up	0.98	9.56E-05	0.009753	Intergenic
chr13	47190801	47192000	Tfap2a	Up	0.96	7.19E-05	0.008098	3k promote
chr7	10081401	10082400	RGD15623	Up	0.96	2.32E-05	0.003627	Genebody
chr9	34811401	34812400		Up	0.96	4.14E-05	0.005495	Intergenic
chr13	74787101	74788100		Up	0.95	4.50E-05	0.005831	Intergenic
chr8	113930601	113931600	Mgat4b	Up	0.94	4.32E-05	0.005663	Genebody
chr19	35531901	35532900	Acd	Up	0.93	1.62E-05	0.00279	1k promote
chr10	11517801	11519200		Up	0.93	2.67E-05	0.003996	Intergenic
chr7	131720001	131721000		Up	0.93	5.24E-05	0.006469	Intergenic
chr4	173521801	173523000		Up	0.92	2.14E-05	0.003422	Intergenic
chr16	69055801	69057400	Fgfr1op2	Up	0.91	5.10E-05	0.006341	Genebody
chr4	61664601	61665700		Up	0.9	1.62E-05	0.00279	Intergenic
chr19	55781701	55783100		Up	0.9	3.14E-05	0.004483	Intergenic
chr2	199059801	199060800	Cd2	Up	0.89	6.51E-05	0.007549	Genebody
chr18	79174701	79175700		Up	0.89	9.22E-05	0.009562	Intergenic
chr2	155427001	155428100		Up	0.89	0.000106	0.010659	Intergenic
chr2	235407301	235408800	Map2k1ip1	Up	0.88	0.000168	0.01643	1k promote

chr6	132355401	132356500	Chrn3	Up	0.88	0.000278	0.02658	Genebody
chr13	68598901	68599900		Up	0.88	5.80E-05	0.006964	Intergenic
chr4	34023501	34024500	Atp6v1b2	Up	0.88	4.92E-05	0.006199	proximal pr
chrX	134804501	134805500		Up	0.87	3.64E-05	0.005002	Intergenic
chr10	35782001	35783000	Alg14	Up	0.86	4.48E-05	0.005813	Genebody
chr7	31731401	31732600	Bcl11b	Up	0.86	6.40E-05	0.007464	Genebody
chr17	28311701	28312800	Lefty1	Up	0.85	7.35E-05	0.008214	3k promote
chr2	196571001	196572000	Cnn3	Up	0.85	1.39E-05	0.002477	Genebody
chr2	180676801	180677900	Itpr1	Up	0.85	4.40E-05	0.005738	Genebody
chr4	144019001	144020100	Arid5b	Up	0.85	6.74E-05	0.007742	Genebody
chr10	61857501	61858900		Up	0.85	2.52E-05	0.003834	Intergenic
chr1	195935801	195936800		Up	0.85	5.85E-05	0.006996	Intergenic
chr6	79826901	79827900		Up	0.85	8.27E-05	0.008901	Intergenic
chr20	21187801	21188800	Gtdc1	Up	0.84	1.02E-05	0.001995	Genebody
chr9	32552701	32553900	Ubqln4	Up	0.84	7.03E-05	0.007954	Genebody
chr17	30014101	30015100	Tex101	Up	0.83	3.67E-05	0.005038	3k promote
chr3	109413901	109415200		Up	0.82	1.75E-05	0.002945	Intergenic
chr13	96662501	96663700	Tifab	Up	0.81	3.28E-05	0.004639	3k promote
chr9	106395201	106396300	Olah	Up	0.81	9.98E-05	0.010051	Genebody
chr3	25254901	25256000	Tmcc3	Up	0.81	0.000124	0.012304	Genebody
chr2	218066701	218067800	Ptprm	Up	0.81	0.000244	0.023523	Genebody
chr2	107364401	107365500		Up	0.81	5.87E-05	0.007006	Intergenic
chr7	72710201	72711200		Up	0.81	5.93E-05	0.007059	Intergenic
chr16	22344101	22345100	Capza1	Up	0.81	4.26E-05	0.005608	proximal pr
chr1	82768701	82769700	Map3k10	Up	0.8	1.16E-05	0.002176	1k promote
chr17	86013101	86014100	Ica1l	Up	0.8	7.96E-05	0.008631	Genebody
chr15	75482701	75484200		Up	0.8	2.16E-05	0.003441	Intergenic
chr1	154562601	154563900		Up	0.8	0.000107	0.010729	Intergenic
chr1	79949601	79950600	Ube2cbp	Up	0.79	8.71E-05	0.009187	3k promote
chr1	101666101	101667100		Up	0.79	8.13E-06	0.00167	Intergenic
chr5	136310201	136311200	Faah	Up	0.78	8.65E-05	0.009176	1k promote
chr2	200125201	200126200	Mtmr7	Up	0.77	2.46E-05	0.003775	proximal pr
chr9	58558901	58559900	Zfp451	Up	0.76	2.06E-05	0.003332	Genebody
chr1	84348701	84349800	Catsperg1	Up	0.76	7.65E-05	0.008403	Genebody
chr1	265308001	265309000	Hspa12a	Up	0.76	7.85E-05	0.008543	Genebody
chr16	54981501	54982700	Rnf167	Up	0.76	6.40E-05	0.007457	proximal pr
chr16	81280701	81282000	RGD13070	Up	0.75	3.96E-06	0.000976	1k promote
chr2	219682101	219683100	Usp53	Up	0.75	2.99E-05	0.004331	1k promote
chr17	14410701	14411800	LOC49988	Up	0.75	9.99E-05	0.010051	3k promote
chr4	48042301	48043300	Kcnd2	Up	0.75	9.83E-05	0.009951	Genebody
chr10	57526501	57527500	Dtwd2	Up	0.75	3.53E-06	0.000902	proximal pr
chr12	37140401	37141400	Tpcn1	Up	0.74	9.77E-06	0.001928	1k promote
chr4	5903201	5904300		Up	0.74	4.73E-05	0.006028	Intergenic
chr15	85541101	85542200		Up	0.73	1.62E-05	0.002788	Intergenic
chr5	171657801	171659100		Up	0.73	0.000222	0.021372	Intergenic
chr7	122223001	122224200	Parvb	Up	0.72	4.63E-05	0.005938	1k promote
chr8	91706101	91707100	Ap1s3	Up	0.72	1.84E-05	0.003064	3k promote
chr17	95535001	95536100	Shh	Up	0.71	2.89E-05	0.004225	Genebody

chr4	2209401	2210400	Ctbp1	Up	0.71	3.99E-05	0.00534	Genebody
chrX	81532601	81533700		Up	0.71	2.00E-05	0.003241	Intergenic
chr1	263178001	263179000		Up	0.71	2.83E-05	0.004169	Intergenic
chr3	18148501	18149700		Up	0.71	2.84E-05	0.004175	Intergenic
chr7	47984901	47986500		Up	0.71	4.79E-05	0.006087	Intergenic
chr3	145881801	145882900		Up	0.7	0.000529	0.049931	Intergenic
chr18	44717901	44719200	RGD13116	Up	0.7	4.53E-06	0.00108	proximal pr
chr16	82801601	82802700	Pgm2l1	Up	0.7	7.03E-05	0.007957	proximal pr
chr1	9195201	9196200		Up	0.69	2.82E-05	0.004161	Intergenic
chr10	107786601	107787600		Up	0.69	9.12E-05	0.009488	Intergenic
chr1	147124401	147125700	Crebzf	Up	0.68	0.000124	0.012269	1k promote
chr7	111538201	111539200		Up	0.68	9.09E-05	0.009474	Intergenic
chr1	206680201	206681200	Cdk2ap2	Up	0.67	5.44E-05	0.006642	1k promote
chr5	39893301	39894500		Up	0.67	1.54E-05	0.002692	Intergenic
chr1	157605301	157606300	Fbxo23	Up	0.67	6.01E-05	0.007123	proximal pr
chr12	33231901	33233200	Snrnp35	Up	0.66	2.72E-05	0.004041	1k promote
chr7	136474801	136475800	Rapgef3	Up	0.66	5.30E-05	0.006517	1k promote
chr18	24054101	24055200		Up	0.66	2.43E-06	0.000686	Intergenic
chr3	88858701	88859800	Abtb2	Up	0.65	1.66E-05	0.002841	1k promote
chr7	28121901	28122900		Up	0.65	2.45E-05	0.003775	Intergenic
chr5	155030801	155031800		Up	0.65	5.82E-05	0.006967	Intergenic
chr17	15887001	15888000	Ythdc1	Up	0.65	5.53E-05	0.006733	proximal pr
chr14	22834601	22835600	Coro1a	Up	0.65	0.000222	0.021364	proximal pr
chr5	74707201	74708200	Ikbkap	Up	0.64	7.25E-06	0.001527	1k promote
chr2	218894001	218895000	Gclm	Up	0.64	2.43E-05	0.003754	1k promote
chr2	211578001	211579200		Up	0.64	1.58E-06	0.000521	Intergenic
chr4	57600101	57601100		Up	0.64	5.59E-06	0.001253	Intergenic
chr6	40713001	40714000		Up	0.64	7.22E-05	0.008117	Intergenic
chr1	185857301	185858500	RGD13591	Up	0.64	7.58E-05	0.008356	proximal pr
chr4	160952701	160954000	Cdca3	Up	0.63	6.82E-07	0.000303	1k promote
chr10	91500701	91502000	Rap2ip	Up	0.63	6.42E-05	0.007471	1k promote
chr6	93029701	93030700		Up	0.63	5.26E-05	0.00648	Intergenic
chr4	43027601	43028700		Up	0.63	5.62E-05	0.006804	Intergenic
chr18	12383801	12384800		Up	0.63	6.95E-05	0.007899	Intergenic
chr5	51864701	51865700	ST7	Up	0.63	0.00023	0.022197	proximal pr
chr1	41891701	41892700	Wtap	Up	0.62	4.32E-05	0.005664	1k promote
chr8	49256901	49257900	Zfp259	Up	0.62	7.82E-05	0.008529	1k promote
chr3	116194701	116195900	Cdkn2aip	Up	0.62	2.31E-05	0.003615	3k promote
chr14	83025301	83026300	Gpr158	Up	0.62	0.000108	0.010789	Genebody
chr11	15974501	15975600		Up	0.62	5.15E-05	0.006379	Intergenic
chr8	114086501	114087600	Atrip	Up	0.61	5.46E-05	0.006671	1k promote
chr17	31910101	31911100		Up	0.61	7.41E-05	0.008249	Intergenic
chr2	218185201	218186200		Up	0.61	8.38E-05	0.008974	Intergenic
chr4	43357101	43358200	Ppib	Up	0.61	8.98E-06	0.001808	proximal pr
chr8	70342901	70343900	Dak	Up	0.61	8.54E-05	0.009091	proximal pr
chr5	25750601	25751600	RGD15599	Up	0.6	2.53E-05	0.003841	1k promote
chr18	16373201	16374200	Slc39a6	Up	0.6	4.92E-05	0.006199	1k promote
chr9	78973601	78974600	Nrep	Up	0.6	4.83E-05	0.006121	3k promote

chr3	77103301	77104800		Up	0.6	2.17E-05	0.003462	Intergenic
chr1	158040301	158041300	Rab6a	Up	0.59	1.59E-05	0.002747	1k promote
chr16	47747501	47748500	Klhdc5	Up	0.59	2.68E-05	0.004002	3k promote
chr9	57322701	57323900	Odz2	Up	0.59	9.35E-05	0.009624	Genebody
chr6	41334501	41335500		Up	0.59	1.32E-11	4.48E-08	Intergenic
chr1	213094401	213096100	Bora	Up	0.59	3.69E-05	0.005065	proximal pr
chr15	82828701	82829700	Slc25a26	Up	0.59	8.53E-05	0.009088	proximal pr
chr6	26172701	26173700	Hadha	Up	0.58	2.00E-09	2.00E-06	1k promote
chr4	157237601	157238700	Bcl2l13	Up	0.58	5.88E-06	0.001304	1k promote
chr16	77047301	77048600		Up	0.58	3.75E-05	0.005112	Intergenic
chr4	128822001	128823100	Atp6v1g1	Up	0.58	3.73E-06	0.000938	proximal pr
chr1	227024901	227025900	Ptar1	Up	0.57	1.21E-05	0.00224	1k promote
chr8	75953301	75954400	Polr2m	Up	0.57	3.18E-05	0.00452	1k promote
chr17	48532501	48533800	Cflar	Up	0.57	4.74E-05	0.006043	Genebody
chr20	5108101	5109800	RGD13089	Up	0.57	6.56E-05	0.007591	Genebody
chr8	31035101	31036300		Up	0.57	5.87E-09	5.84E-06	Intergenic
chr3	57366301	57367300		Up	0.57	5.99E-07	0.000284	Intergenic
chr6	55010701	55011900		Up	0.57	1.29E-06	0.000456	Intergenic
chr6	103127101	103128300		Up	0.57	4.79E-05	0.006089	Intergenic
chr17	28579301	28580400		Up	0.57	0.000287	0.027473	Intergenic
chr5	80514901	80516400	Prpf40a	Up	0.57	3.55E-05	0.004909	proximal pr
chr1	163278901	163280100	Smpd1	Up	0.56	1.86E-05	0.003077	1k promote
chr18	81527801	81528800	Timm21	Up	0.56	4.96E-05	0.006228	1k promote
chr18	25870701	25871700	Irs1	Up	0.56	5.22E-05	0.006451	3k promote
chr10	21974601	21975600	C2cd2	Up	0.56	8.16E-05	0.008815	Genebody
chr5	45471901	45472900		Up	0.56	3.52E-05	0.004882	Intergenic
chr4	184689501	184691100	Pacsin3	Up	0.55	3.41E-07	0.00021	3k promote
chr9	81639401	81640700	Prpf38b	Up	0.55	2.92E-06	0.000784	3k promote
chr2	180104401	180106200	lqcf3	Up	0.55	2.92E-11	4.48E-08	Genebody
chr3	34720901	34721900	Noa1	Up	0.55	1.36E-06	0.000471	proximal pr
chr4	22694901	22696000	Steap4	Up	0.54	2.58E-05	0.003884	Genebody
chr6	87973001	87974100		Up	0.54	1.50E-11	4.48E-08	Intergenic
chr1	193711501	193712600		Up	0.54	2.48E-06	0.000696	Intergenic
chr14	33107101	33108900	Nkiras2	Up	0.54	1.50E-11	4.48E-08	proximal pr
chr3	75608901	75610500	Shh	Up	0.53	3.45E-06	0.000888	3k promote
chr9	102622101	102623100		Up	0.53	6.10E-05	0.007191	Intergenic
chr1	217771001	217772000	Tle4	Up	0.52	3.15E-05	0.004494	1k promote
chr5	154702801	154703800	Fuca1	Up	0.52	7.38E-05	0.008234	1k promote
chr17	59576201	59577300	B3galnt2	Up	0.52	9.34E-05	0.009624	1k promote
chr5	22748601	22749600		Up	0.52	2.89E-05	0.004232	Intergenic
chr13	52301701	52302700		Up	0.52	6.96E-05	0.007904	Intergenic
chr10	89567001	89568000	Tubgcp3	Up	0.52	1.36E-05	0.002437	proximal pr
chr8	128248001	128249000	Limd1	Up	0.51	1.34E-11	4.48E-08	1k promote
chr2	204515901	204517300	Cdc42se1	Up	0.51	9.73E-05	0.009873	3k promote
chr6	110357501	110358500	Hapln2	Up	0.51	1.88E-06	0.000578	Genebody
chr2	244880301	244881300		Up	0.51	2.37E-05	0.003684	Intergenic
chr8	113831201	113832200		Up	0.51	4.42E-05	0.005761	Intergenic
chr3	25454001	25455000	Gtdc1	Up	0.5	8.44E-05	0.009024	1k promote

chr11	37930401	37931400	Hist1h2an	Up	0.5	1.74E-11	4.48E-08	Genebody
chr8	111692001	111693000	Tapbp	Up	0.5	7.58E-05	0.008356	Genebody
chr7	135154501	135155500		Up	0.5	6.91E-05	0.007873	Intergenic
chr9	57161001	57162400		Up	0.5	8.33E-05	0.008947	Intergenic
chr8	107665501	107666700		Up	0.5	0.000112	0.011163	Intergenic
chr16	81708401	81709400	RGD15611	Up	0.5	2.34E-11	4.48E-08	proximal pr
chr7	25402701	25404000	Enpp1	Up	0.5	0.00016	0.015678	proximal pr
chr2	23470401	23471400	Papd4	Up	0.49	4.71E-05	0.006021	1k promote
chr14	19390401	19391400	Cox18	Up	0.49	5.29E-05	0.006507	1k promote
chr12	14691701	14693100	Eif3b	Up	0.49	0.000211	0.020367	1k promote
chr6	93230701	93231900		Up	0.49	2.40E-11	4.48E-08	Intergenic
chr3	13768401	13769400		Up	0.49	1.41E-05	0.002492	Intergenic
chr8	60827901	60829100		Up	0.49	1.55E-05	0.002702	Intergenic
chr1	21223201	21224300	Rpl5	Up	0.49	0.000156	0.015314	proximal pr
chr16	49916401	49917400	Sorbs2	Up	0.48	1.41E-11	4.48E-08	1k promote
chr1	42053201	42054200		Up	0.48	1.36E-11	4.48E-08	Intergenic
chr6	79821001	79822100		Up	0.48	2.06E-11	4.48E-08	Intergenic
chr15	81688101	81689100		Up	0.48	1.69E-09	1.69E-06	Intergenic
chr8	125271301	125272300		Up	0.48	7.28E-06	0.001532	Intergenic
chr14	2403301	2405000	Vps13b	Up	0.48	1.11E-06	0.000413	proximal pr
chr7	70839101	70840100	Fzd4	Up	0.48	1.13E-05	0.002138	proximal pr
chr1	145953301	145954500	Zfp438	Up	0.48	6.37E-05	0.007436	proximal pr
chr6	41309401	41310400	Odc1	Up	0.47	2.96E-11	4.48E-08	1k promote
chr2	189417801	189418800	mrpl9	Up	0.47	7.64E-05	0.008399	1k promote
chr4	2202701	2203800	Luc7l2	Up	0.47	3.55E-06	0.000905	3k promote
chr11	80846501	80847700	Etv5	Up	0.46	9.27E-06	0.001855	1k promote
chr6	79707001	79708300	Sec23a	Up	0.46	3.94E-05	0.005294	1k promote
chr17	92866501	92867700		Up	0.46	9.38E-06	0.001871	Intergenic
chr4	80469801	80471000		Up	0.46	9.31E-05	0.009611	Intergenic
chr1	226419701	226421100	Klf9	Up	0.45	1.50E-06	0.000507	1k promote
chr2	190139601	190140600	Bach1	Up	0.45	0.000109	0.010847	3k promote
chr15	27446501	27448000		Up	0.45	4.40E-07	0.000239	Intergenic
chr4	120590201	120591200	Tia1	Up	0.44	2.46E-11	4.48E-08	1k promote
chr4	55793801	55794800		Up	0.44	7.74E-05	0.00848	Intergenic
chr8	20470501	20472200		Up	0.44	8.38E-05	0.008974	Intergenic
chr5	36631301	36632600		Up	0.44	0.000103	0.010321	Intergenic
chr17	60669501	60670600	Sp8	Up	0.44	0.00011	0.010945	proximal pr
chr3	30420201	30422100	Epc2	Up	0.43	0.000331	0.031444	1k promote
chr4	81032001	81033200	Coq6	Up	0.43	2.93E-11	4.48E-08	Genebody
chr16	46807401	46808600	Dnajb9	Up	0.43	1.61E-05	0.002772	Genebody
chr8	82884301	82885300		Up	0.43	1.70E-08	1.65E-05	Intergenic
chr6	91194001	91195000	Klhdc1	Up	0.42	2.79E-11	4.48E-08	1k promote
chr12	35141701	35142700	Ift81	Up	0.42	2.61E-05	0.003923	1k promote
chr5	49605601	49606600	Rngtt	Up	0.42	3.28E-05	0.004639	1k promote
chr6	108434901	108435900	Odz3	Up	0.42	9.33E-05	0.009619	Genebody
chr6	8858001	8859000		Up	0.42	4.80E-06	0.001123	Intergenic
chr5	130156001	130157000	Kti12	Up	0.41	2.82E-11	4.48E-08	1k promote
chr6	146168501	146169600	Phospho2	Up	0.41	1.09E-08	1.07E-05	proximal pr

chr3	51937301	51938500	Rbp4	Up	0.41	0.000106	0.010613	proximal pr
chr3	67937701	67938900	Clp1	Up	0.4	4.87E-11	6.25E-08	1k promote
chr6	92100401	92101600	Sav1	Up	0.4	5.17E-11	6.25E-08	1k promote
chr4	120837401	120838500	Snrnp27	Up	0.4	5.23E-08	5.02E-05	1k promote
chr4	173818601	173820700	H2afj	Up	0.4	6.82E-06	0.00146	1k promote
chr4	66121901	66123200	Pmp22	Up	0.4	1.88E-11	4.48E-08	3k promote
chr6	63583701	63584700	Commd10	Up	0.4	2.08E-07	0.000157	Genebody
chr13	68507101	68508100	Dhx9	Up	0.39	2.04E-11	4.48E-08	1k promote
chr17	95140301	95141700	Prtfcd1	Up	0.39	2.68E-06	0.000734	1k promote
chr4	1408801	1410000	Rnf32	Up	0.39	9.51E-05	0.009732	1k promote
chr18	41358001	41359000	Sfrp2	Up	0.39	2.39E-11	4.48E-08	Genebody
chr20	14098901	14099900		Up	0.39	1.34E-11	4.48E-08	Intergenic
chr17	12452701	12453700		Up	0.38	2.36E-11	4.48E-08	Intergenic
chr7	32843401	32844400		Up	0.38	1.30E-11	4.48E-08	Intergenic
chr13	98543401	98544800		Up	0.38	4.72E-11	6.16E-08	Intergenic
chr2	123860301	123861300		Up	0.38	4.69E-11	6.16E-08	Intergenic
chr3	18847201	18848200	Smc3	Up	0.37	2.51E-11	4.48E-08	1k promote
chr1	259822701	259823700	Golga1	Up	0.37	2.14E-11	4.48E-08	1k promote
chr18	14717801	14718800	Nol4	Up	0.37	3.84E-11	5.35E-08	1k promote
chr11	27467901	27469100	Ezh2	Up	0.37	6.43E-05	0.007481	3k promote
chr14	34027901	34028900		Up	0.37	1.10E-11	4.48E-08	Intergenic
chr20	41362001	41363000		Up	0.37	4.56E-11	6.12E-08	Intergenic
chr2	23582201	23583400		Up	0.37	0.000411	0.038946	Intergenic
chr1	242450401	242451700	Rfxap	Up	0.37	7.22E-09	7.09E-06	proximal pr
chr14	84555901	84556900	Dusp18	Up	0.36	2.31E-11	4.48E-08	1k promote
chr10	85034101	85035100	Hoxb5	Up	0.36	4.29E-05	0.005634	1k promote
chr8	124303501	124304800	Myd88	Up	0.36	0.000273	0.026202	1k promote
chr10	49308101	49309100	Ywhae	Up	0.36	2.23E-11	4.48E-08	3k promote
chr2	175484901	175485900	Synj2	Up	0.36	7.27E-11	8.33E-08	Genebody
chr13	49624801	49626200		Up	0.36	2.68E-11	4.48E-08	Intergenic
chr7	59468201	59469400	Irak3	Up	0.35	0.000385	0.036552	1k promote
chr15	83449901	83451000		Up	0.35	1.36E-11	4.48E-08	Intergenic
chr20	35021401	35022400		Up	0.35	1.44E-11	4.48E-08	Intergenic
chr8	82882801	82883800		Up	0.35	2.87E-11	4.48E-08	Intergenic
chr3	115688401	115689500		Up	0.35	0.00018	0.017468	Intergenic
chr2	144040401	144041400	Acbd5	Up	0.35	6.85E-05	0.007816	proximal pr
chr4	75771601	75772600	Pcgf6	Up	0.34	1.15E-11	4.48E-08	3k promote
chr2	113127101	113128200	Rhobtb1	Up	0.34	1.18E-11	4.48E-08	Genebody
chr4	7154901	7155900		Up	0.34	1.97E-11	4.48E-08	Intergenic
chr20	48976001	48977000		Up	0.34	4.64E-05	0.005949	Intergenic
chr17	96676801	96677900	Tial1	Up	0.34	1.13E-11	4.48E-08	proximal pr
chr10	37523901	37524900	Ube2b	Up	0.33	1.45E-11	4.48E-08	1k promote
chr3	89815601	89816600	Hipk3	Up	0.33	1.71E-11	4.48E-08	1k promote
chr10	63073201	63074300	Atp6v1h	Up	0.33	5.17E-11	6.25E-08	3k promote
chr1	40785401	40786400	Fam172a	Up	0.33	1.53E-10	1.57E-07	Genebody
chr16	2367501	2368500		Up	0.33	2.37E-11	4.48E-08	Intergenic
chr2	213164301	213165500		Up	0.33	1.26E-08	1.23E-05	Intergenic
chr14	103674701	103676500	Cct4	Up	0.32	0.000257	0.024711	1k promote

chr2	212824801	212825900	Ccdc76	Up	0.32	0.000275	0.026315	1k promote
chr1	252378401	252379400	Brd1	Up	0.32	2.09E-11	4.48E-08	3k promote
chr5	14681901	14682900	Ube2j1	Up	0.32	1.03E-05	0.00201	3k promote
chr7	127033801	127034800	Nfil3	Up	0.32	1.93E-05	0.003151	3k promote
chr5	49315601	49316600	Scml4	Up	0.32	0.000102	0.010207	3k promote
chr2	5738701	5740500	Foxp1	Up	0.32	2.38E-11	4.48E-08	Genebody
chr1	18222701	18223700		Up	0.32	1.12E-11	4.48E-08	Intergenic
chr15	4435501	4436500		Up	0.32	1.99E-11	4.48E-08	Intergenic
chr4	39133701	39134700		Up	0.32	1.50E-11	4.48E-08	Intergenic
chr4	182921701	182922700		Up	0.32	4.59E-11	6.12E-08	Intergenic
chr11	64826001	64827000		Up	0.32	5.98E-05	0.007102	Intergenic
chr5	148157201	148158200	Ak2	Up	0.31	4.15E-11	5.69E-08	1k promote
chr17	18094401	18095900	Zmym4	Up	0.31	2.37E-11	4.48E-08	3k promote
chr20	46772101	46773600	Plekhh3	Up	0.31	6.75E-09	6.69E-06	3k promote
chr14	64194601	64195600		Up	0.31	1.30E-11	4.48E-08	Intergenic
chr4	80093801	80094800		Up	0.31	1.67E-11	4.48E-08	Intergenic
chr11	79961701	79962700		Up	0.31	5.16E-11	6.25E-08	Intergenic
chr8	113564901	113565900	Ppp1r10	Up	0.3	2.46E-11	4.48E-08	1k promote
chr20	2983801	2984800	RGD13110	Up	0.3	1.15E-11	4.48E-08	1k promote
chr5	146383801	146384800	Chmp5	Up	0.3	1.20E-11	4.48E-08	3k promote
chr10	90190101	90191100	Golph3	Up	0.3	9.62E-06	0.001913	3k promote
chr5	144627401	144628400		Up	0.3	4.70E-05	0.006015	Intergenic
chr1	187705401	187706400	Deadc1	Up	0.3	2.15E-11	4.48E-08	proximal pr
chr5	58080501	58081500	Aptx	Up	0.3	3.92E-11	5.43E-08	proximal pr
chr2	128732201	128733200	Sc1t1	Up	0.3	2.62E-05	0.00393	proximal pr
chr7	56565001	56566000	Rpl17	Up	0.29	1.87E-11	4.48E-08	1k promote
chr18	71863301	71864300	Yeats4	Up	0.29	1.45E-11	4.48E-08	1k promote
chr5	58343401	58344400	Smcp	Up	0.29	1.33E-11	4.48E-08	3k promote
chr2	61789901	61790900	Impad1	Up	0.29	6.05E-05	0.007148	3k promote
chr20	54907801	54908800	Sim1	Up	0.29	1.88E-11	4.48E-08	proximal pr
chr9	61831301	61833400	Eef1b2	Up	0.29	7.38E-11	8.43E-08	proximal pr
chr17	30017801	30018800	Ubxn4	Up	0.28	1.79E-11	4.48E-08	1k promote
chr13	40947301	40948300	Tfap2a	Up	0.28	1.12E-11	4.48E-08	1k promote
chr20	20120701	20121700	Rab2a	Up	0.28	1.62E-11	4.48E-08	Genebody
chr1	232609301	232610400		Up	0.28	2.69E-11	4.48E-08	Intergenic
chr19	17091901	17093100	Rbl2	Up	0.28	2.22E-11	4.48E-08	proximal pr
chr6	101902001	101903300	Arg2	Up	0.27	2.48E-11	4.48E-08	1k promote
chr2	185576001	185577000	Ube2d3	Up	0.27	5.01E-11	6.25E-08	3k promote
chr20	47658801	47659800		Up	0.27	1.30E-11	4.48E-08	Intergenic
chr3	56999801	57000800		Up	0.27	4.90E-11	6.25E-08	Intergenic
chr14	45412001	45413000	Ube2k	Up	0.26	1.21E-11	4.48E-08	1k promote
chr6	123762601	123763600	Whsc2	Up	0.26	1.84E-11	4.48E-08	1k promote
chr18	64271501	64272500	Ptpn2	Up	0.26	1.72E-11	4.48E-08	1k promote
chr14	82502001	82503000	Foxn3	Up	0.26	1.43E-11	4.48E-08	1k promote
chr11	81259701	81260800	Senp2	Up	0.26	0.000112	0.011109	1k promote
chr5	18107401	18108400	Ebag9	Up	0.26	2.92E-11	4.48E-08	3k promote
chr2	232944101	232945500	Mfsd9	Up	0.26	1.69E-11	4.48E-08	3k promote
chr4	133869801	133870800	P2ry2	Up	0.26	7.23E-05	0.008125	Genebody

chr15	85562001	85563000		Up	0.26	1.74E-11	4.48E-08	Intergenic
chr2	21634201	21635200		Up	0.26	1.43E-11	4.48E-08	Intergenic
chr2	35456001	35457100		Up	0.26	4.13E-11	5.69E-08	Intergenic
chr3	3238501	3239500	Arrdc1	Up	0.26	5.44E-11	6.39E-08	proximal pr
chr10	76339401	76340400	Srsf1	Up	0.25	1.62E-11	4.48E-08	1k promote
chr6	124094301	124095700	Efcab11	Up	0.25	5.80E-11	6.74E-08	1k promote
chr7	80515901	80516900	Nkx6-2	Up	0.25	3.12E-11	4.57E-08	3k promote
chr5	22396101	22397100	G2e3	Up	0.25	1.15E-11	4.48E-08	Genebody
chr14	44785501	44786500		Up	0.25	1.55E-11	4.48E-08	Intergenic
chr16	69559501	69560500		Up	0.25	1.18E-11	4.48E-08	Intergenic
chr5	156161001	156162000		Up	0.25	1.40E-11	4.48E-08	Intergenic
chr6	93402701	93403700		Up	0.25	2.65E-11	4.48E-08	Intergenic
chr10	46128401	46129400	Ttll13	Up	0.24	2.10E-11	4.48E-08	1k promote
chr14	45477301	45478300	Fln	Up	0.24	1.23E-11	4.48E-08	1k promote
chr1	136058901	136059900	RGD13111	Up	0.24	1.46E-11	4.48E-08	1k promote
chr7	61631801	61632800	Srgap1	Up	0.24	4.86E-05	0.006151	1k promote
chr9	39937801	39938800	Dusp10	Up	0.24	2.18E-11	4.48E-08	3k promote
chr2	105145001	105146100	Aak1	Up	0.24	2.28E-11	4.48E-08	Genebody
chr1	158450501	158451500	Cyp4f5	Up	0.24	1.14E-11	4.48E-08	Genebody
chr1	52337801	52338800		Up	0.24	2.62E-11	4.48E-08	Intergenic
chr15	57762301	57763400		Up	0.24	3.09E-05	0.004427	Intergenic
chr17	51038101	51039100		Up	0.24	7.82E-05	0.008529	Intergenic
chr2	159026801	159027800	Trim59	Up	0.24	1.44E-05	0.002542	proximal pr
chr17	40280201	40281200	Dusp22	Up	0.23	1.13E-11	4.48E-08	1k promote
chr17	62769501	62770500	Crem	Up	0.23	1.17E-11	4.48E-08	1k promote
chr3	78417101	78418100	Alkbh3	Up	0.23	1.19E-11	4.48E-08	1k promote
chr8	58433301	58434300	Ireb2	Up	0.23	5.25E-05	0.006476	1k promote
chr1	199400701	199401700	Usp25	Up	0.23	5.29E-11	6.30E-08	3k promote
chr13	100020801	100021800	Fkbp7	Up	0.23	2.71E-05	0.004037	3k promote
chr1	45167901	45169000		Up	0.23	2.80E-11	4.48E-08	Intergenic
chr2	190605701	190606700		Up	0.23	1.10E-11	4.48E-08	Intergenic
chr4	162221901	162222900		Up	0.23	2.73E-05	0.004052	Intergenic
chr2	189416701	189417700	mrpl9	Up	0.23	1.35E-11	4.48E-08	proximal pr
chr19	17033801	17034800	Fan1	Up	0.22	2.64E-11	4.48E-08	1k promote
chr10	75345401	75346400	Gdpd1	Up	0.22	2.51E-11	4.48E-08	1k promote
chr1	118811801	118812800	Aktip	Up	0.22	1.32E-11	4.48E-08	1k promote
chr10	106193501	106194500	Wbp2	Up	0.22	2.31E-05	0.003613	1k promote
chr11	15801701	15802700	Wee1	Up	0.22	1.17E-11	4.48E-08	3k promote
chr3	59373901	59374900	LOC100197	Up	0.22	2.36E-11	4.48E-08	3k promote
chr1	167770501	167771500	Ccr10	Up	0.22	2.25E-10	2.28E-07	3k promote
chr2	121178401	121179400		Up	0.22	1.35E-11	4.48E-08	Intergenic
chr4	125163001	125164100		Up	0.22	2.96E-11	4.48E-08	Intergenic
chr9	21852701	21853700		Up	0.22	1.21E-11	4.48E-08	Intergenic
chr15	27043701	27046200		Up	0.22	1.06E-10	1.11E-07	Intergenic
chr3	63493601	63494600	Nup35	Up	0.22	9.83E-11	1.04E-07	proximal pr
chr3	67886901	67887900	LOC498356	Up	0.21	2.30E-11	4.48E-08	1k promote
chr3	153794401	153795400	Tmx2	Up	0.21	1.10E-11	4.48E-08	1k promote
chr14	33445001	33446000	Srsf6	Up	0.21	1.99E-11	4.48E-08	1k promote



chr2	88340501	88341500	RGD15656	Up	0.21	3.63E-11	5.12E-08	1k promote
chr7	51875801	51876800	Dapk1	Up	0.21	2.63E-11	4.48E-08	3k promote
chr6	71426401	71427400	Mtss1	Up	0.21	2.64E-11	4.48E-08	Genebody
chr3	148944701	148945700		Up	0.21	1.09E-11	4.48E-08	Intergenic
chr8	22659201	22660200		Up	0.21	1.11E-11	4.48E-08	Intergenic
chr2	155461101	155462700	Lekr1	Up	0.21	7.97E-11	8.70E-08	proximal pr
chr2	180380701	180381700	Cct3	Up	0.21	6.05E-05	0.007148	proximal pr
chr9	42985201	42986200	Tpp2	Up	0.2	1.27E-11	4.48E-08	1k promote
chr10	90192701	90194200	Zfp706	Up	0.2	3.13E-11	4.57E-08	3k promote
chr14	89571501	89572500		Up	0.2	2.16E-11	4.48E-08	Intergenic
chr15	27448101	27449100		Up	0.2	2.83E-11	4.48E-08	Intergenic
chr6	91323601	91325000		Up	0.2	2.10E-10	2.13E-07	Intergenic
chr5	79152101	79153100	Zfp37	Up	0.19	1.17E-11	4.48E-08	1k promote
chr17	9777501	9778500	Vps13a	Up	0.19	1.11E-11	4.48E-08	3k promote
chr7	72516101	72517100	Klhl9	Up	0.19	1.23E-11	4.48E-08	3k promote
chr19	56289601	56290600		Up	0.19	1.13E-11	4.48E-08	Intergenic
chr2	86032501	86033500		Up	0.19	1.11E-11	4.48E-08	Intergenic
chr6	109571901	109572900		Up	0.19	2.11E-11	4.48E-08	Intergenic
chr2	118554701	118555700		Up	0.19	3.00E-11	4.51E-08	Intergenic
chr7	9421601	9422600		Up	0.19	6.85E-05	0.007816	Intergenic
chr1	211485401	211486400	Ttc9c	Up	0.18	1.12E-11	4.48E-08	1k promote
chr9	4872601	4873600	Plcl2	Up	0.18	2.57E-11	4.48E-08	1k promote
chr19	53741801	53742900	Tubb3	Up	0.18	0.00029	0.027725	1k promote
chr1	220219801	220220800	Dnajb2	Up	0.18	1.10E-11	4.48E-08	3k promote
chr5	108198501	108199500	Tmem30a	Up	0.18	5.02E-11	6.25E-08	3k promote
chr4	121138301	121139300	Ctnnal1	Up	0.18	2.63E-11	4.48E-08	Genebody
chr7	13133001	13134000	Tcf7l2	Up	0.18	4.21E-05	0.005568	Genebody
chr3	103020701	103021700		Up	0.18	1.10E-11	4.48E-08	Intergenic
chr7	121216501	121217500		Up	0.18	2.95E-11	4.48E-08	Intergenic
chr9	74929101	74930100		Up	0.18	1.10E-11	4.48E-08	Intergenic
chr9	91727501	91728500		Up	0.18	2.74E-11	4.48E-08	Intergenic
chr18	61093401	61094500		Up	0.18	4.58E-11	6.12E-08	Intergenic
chr10	57938401	57939400	LOC69199!	Up	0.18	2.73E-11	4.48E-08	proximal pr
chr11	79004901	79005900	Bcl6	Up	0.17	2.34E-11	4.48E-08	1k promote
chr7	30896801	30898500	Usp44	Up	0.17	1.26E-10	1.32E-07	1k promote
chr14	7222101	7223100	LOC49833(	Up	0.17	9.51E-05	0.009732	1k promote
chr9	74516101	74517100	Scd	Up	0.17	2.45E-11	4.48E-08	3k promote
chr8	84850601	84851600	Zfp217	Up	0.17	1.09E-11	4.48E-08	3k promote
chr1	51584401	51585400		Up	0.17	2.72E-11	4.48E-08	Intergenic
chr18	6348001	6349000		Up	0.17	2.81E-11	4.48E-08	Intergenic
chr17	67084001	67085000		Up	0.17	4.88E-11	6.25E-08	Intergenic
chr17	11957801	11958800		Up	0.17	7.39E-05	0.008238	Intergenic
chr4	49540101	49541100	Aass	Up	0.16	1.11E-11	4.48E-08	1k promote
chr7	54947101	54948100		Up	0.16	1.11E-11	4.48E-08	Intergenic
chr17	79987801	79988800		Up	0.16	8.97E-11	9.66E-08	Intergenic
chr7	96096601	96097600	Sqle	Up	0.16	2.20E-11	4.48E-08	proximal pr
chr9	73950301	73951300	Rnf25	Up	0.16	3.11E-11	4.57E-08	proximal pr
chr4	5333501	5334500	Galnt15	Up	0.16	3.74E-11	5.24E-08	proximal pr

chr6	51753601	51754600		Up	0.15	3.09E-11	4.57E-08	Intergenic
chr1	114083001	114084000		Up	0.15	4.65E-11	6.16E-08	Intergenic
chr1	52270901	52271900		Up	0.15	7.87E-11	8.67E-08	Intergenic
chr1	249358801	249359900	Msc	Up	0.14	2.66E-11	4.48E-08	3k promote
chr3	161157901	161158900	Sass6	Up	0.14	5.28E-11	6.30E-08	3k promote
chr10	13402201	13403200		Up	0.14	2.13E-11	4.48E-08	Intergenic
chr15	60783901	60784900		Up	0.14	2.18E-11	4.48E-08	Intergenic
chr14	7567201	7568200		Up	0.14	3.17E-11	4.60E-08	Intergenic
chr7	25084501	25085500		Up	0.14	7.60E-11	8.54E-08	Intergenic
chr20	23466301	23467300		Up	0.14	9.04E-11	9.69E-08	Intergenic
chr8	109399801	109400800	Acpp	Up	0.14	3.48E-11	4.94E-08	proximal pr
chr15	32965101	32966100	Homez	Up	0.13	2.36E-11	4.48E-08	1k promote
chr7	95863501	95864500	Cyp4f1	Up	0.13	1.34E-10	1.38E-07	Genebody
chr12	31632201	31633200		Up	0.13	2.95E-11	4.48E-08	Intergenic
chr14	46232101	46233100		Up	0.13	2.41E-11	4.48E-08	Intergenic
chr3	128235501	128236500		Up	0.13	5.08E-11	6.25E-08	Intergenic
chr10	108945701	108947200		Up	0.13	7.82E-11	8.67E-08	Intergenic
chr10	92551401	92552400	Arhgap27	Up	0.12	2.81E-11	4.48E-08	1k promote
chr1	149467501	149468500	Ankrd42	Up	0.12	3.42E-11	4.87E-08	1k promote
chr7	94596201	94597200	Derl1	Up	0.12	4.72E-11	6.16E-08	1k promote
chr5	3700101	3701100	Tti2	Up	0.12	5.17E-11	6.25E-08	3k promote
chr5	74763101	74764100	Abcc5	Up	0.12	4.39E-11	5.98E-08	Genebody
chr5	105755901	105756900		Up	0.12	5.12E-11	6.25E-08	Intergenic
chr19	28848801	28849800		Up	0.11	2.60E-11	4.48E-08	Intergenic
chr14	34025901	34026900		Up	0.11	5.48E-11	6.41E-08	Intergenic
chr2	202059401	202060400		Up	0.11	8.28E-11	8.99E-08	Intergenic
chr8	80265001	80266000	Leo1	Up	0.1	3.03E-11	4.52E-08	1k promote
chr14	5950001	5951000	Abcg3l3	Up	0.1	7.55E-11	8.54E-08	1k promote
chr7	13582501	13583500	Zfp709l2	Up	0.1	8.35E-11	9.03E-08	1k promote
chr1	228401801	228402800	Cbwd1	Up	0.1	2.77E-11	4.48E-08	proximal pr
chr8	63485301	63486300	Pkm2	Up	0.09	1.03E-10	1.08E-07	1k promote
chr2	212826201	212827200	Pum2	Up	0.09	2.40E-11	4.48E-08	3k promote
chr16	64894401	64895400	Ecat1	Up	0.09	2.81E-11	4.48E-08	3k promote
chr3	124608401	124609900	Ankrd5	Up	0.09	6.63E-11	7.64E-08	proximal pr
chr16	62297501	62298500	Gsr	Up	0.08	3.37E-11	4.83E-08	1k promote
chr7	1384001	1385000		Up	0.08	5.42E-11	6.39E-08	Intergenic
chr3	14448701	14449700	Ggta1	Up	0.07	3.22E-11	4.64E-08	1k promote
chr15	10753901	10754900		Up	0.07	2.49E-11	4.48E-08	Intergenic
chr7	13080101	13081100		Up	0.07	5.35E-11	6.34E-08	Intergenic
chr1	68019301	68020300		Up	0.05	7.97E-11	8.70E-08	Intergenic
chr1	78691801	78692800		Up	0.05	1.32E-10	1.37E-07	Intergenic
chr4	75896501	75897700		Up	0.05	2.07E-10	2.11E-07	Intergenic
chr10	2134001	2135000		Up	0.03	5.13E-11	6.25E-08	Intergenic
chr6	32153701	32154700	Atp2c1	Up	0.02	5.09E-11	6.25E-08	3k promote
chr12	39020501	39021500		Up	0.02	5.13E-11	6.25E-08	Intergenic
chr8	77868201	77869200	Rapgef6	Up	0.01	6.57E-11	7.61E-08	3k promote
chr1	51218401	51219400		Down	-0.01	1.31E-10	1.36E-07	Intergenic
chr8	110602101	110603100	6-Mar	Down	-0.02	9.10E-11	9.71E-08	3k promote

chr7	13581801	13582800	Zfp709l2	Down	-0.03	7.86E-11	8.67E-08	1k promote
chr10	39936501	39937500	Coq10b	Down	-0.03	7.61E-11	8.54E-08	3k promote
chr9	85241301	85242300		Down	-0.04	4.50E-11	6.10E-08	Intergenic
chr3	41919101	41920100	RGD13081	Down	-0.06	5.04E-11	6.25E-08	3k promote
chr1	52072701	52073800		Down	-0.06	7.65E-11	8.54E-08	Intergenic
chr12	39021001	39022100		Down	-0.1	7.62E-11	8.54E-08	Intergenic
chr6	129936201	129937200	Papola	Down	-0.12	5.29E-11	6.30E-08	1k promote
chr2	154295601	154296600		Down	-0.12	2.71E-11	4.48E-08	Intergenic
chr16	21667901	21669900		Down	-0.12	9.92E-11	1.05E-07	Intergenic
chr6	75039501	75040500		Down	-0.13	1.11E-11	4.48E-08	Intergenic
chr1	51324001	51325000		Down	-0.15	1.09E-11	4.48E-08	Intergenic
chr1	262034701	262035700	G3bp1	Down	-0.16	1.10E-11	4.48E-08	Genebody
chr5	121911701	121912700		Down	-0.18	2.48E-11	4.48E-08	Intergenic
chr11	86496901	86497900		Down	-0.19	1.11E-11	4.48E-08	Intergenic
chr16	20659101	20660100		Down	-0.19	1.23E-11	4.48E-08	Intergenic
chr16	22037801	22038800		Down	-0.19	1.13E-11	4.48E-08	Intergenic
chr3	149088401	149089400		Down	-0.2	1.15E-11	4.48E-08	Intergenic
chr7	13589501	13591100	Rhobtb1	Down	-0.22	1.12E-11	4.48E-08	Genebody
chr16	20675901	20676900		Down	-0.22	1.13E-11	4.48E-08	Intergenic
chr17	14337201	14338200		Down	-0.23	1.33E-11	4.48E-08	Intergenic
chr9	53859401	53860800	Derl1	Down	-0.25	1.52E-11	4.48E-08	3k promote
chr1	50651201	50652200		Down	-0.26	3.20E-05	0.00455	Intergenic
chr5	25574901	25575900		Down	-0.27	1.13E-11	4.48E-08	Intergenic
chr16	21586301	21587300		Down	-0.29	1.78E-11	4.48E-08	Intergenic
chr5	129230701	129231700	Scp2	Down	-0.31	1.80E-11	4.48E-08	1k promote
chr1	199861901	199862900		Down	-0.33	2.21E-11	4.48E-08	Intergenic
chr1	52577801	52578800		Down	-0.36	1.16E-11	4.48E-08	Intergenic
chr1	267187501	267188500	Slc38a1	Down	-0.37	2.30E-11	4.48E-08	3k promote
chr5	25343601	25345000		Down	-0.43	3.89E-05	0.005249	Intergenic
chr16	20931101	20932400		Down	-0.47	2.10E-06	0.000624	Intergenic
chrX	130204201	130205300		Down	-0.48	7.49E-05	0.008288	Intergenic
chrX	129484801	129487600		Down	-0.49	0.000173	0.016832	Intergenic
chr3	158056401	158057400		Down	-0.5	2.22E-11	4.48E-08	Intergenic
chr1	52804201	52805200		Down	-0.51	1.36E-11	4.48E-08	Intergenic
chr16	20545601	20546600		Down	-0.51	2.85E-05	0.004182	Intergenic
chr5	25386701	25388300		Down	-0.55	3.19E-06	0.000837	Intergenic
chr1	187737201	187738200		Down	-0.56	5.66E-05	0.006837	Intergenic
chrX	130518901	130520000		Down	-0.56	0.000119	0.011788	Intergenic
chrX	129628701	129630400		Down	-0.57	2.10E-06	0.000624	Intergenic
chrX	129075401	129076800		Down	-0.57	0.000125	0.012371	Intergenic
chr7	16448201	16449200		Down	-0.58	1.37E-10	1.41E-07	Intergenic
chrX	130438101	130439200		Down	-0.58	7.12E-06	0.001512	Intergenic
chrX	129792901	129796700		Down	-0.6	1.21E-05	0.002241	Intergenic
chr16	20543001	20544400		Down	-0.6	3.08E-05	0.004422	Intergenic
chr1	224403801	224405300		Down	-0.6	0.000124	0.012239	Intergenic
chr7	94597801	94598800	Rnf13	Down	-0.61	9.80E-06	0.001932	3k promote
chr4	119307201	119308200		Down	-0.61	1.68E-05	0.002872	Intergenic
chr20	9178301	9179800		Down	-0.62	8.46E-05	0.00904	Intergenic

chr16	20905301	20906400		Down	-0.64	1.07E-05	0.002066	Intergenic
chrX	130459001	130460000		Down	-0.64	2.16E-05	0.003437	Intergenic
chrX	130499801	130501000		Down	-0.64	3.54E-05	0.004896	Intergenic
chr11	82730601	82731600	7-Mar	Down	-0.65	2.26E-05	0.003568	Genebody
chr16	20575801	20577000		Down	-0.65	2.42E-06	0.000685	Intergenic
chrX	129441801	129443000		Down	-0.65	8.02E-05	0.008681	Intergenic
chrX	130177301	130178700		Down	-0.66	5.35E-05	0.006559	Intergenic
chr16	21099701	21100700		Down	-0.66	9.81E-05	0.009936	Intergenic
chr10	40900201	40901200	Slco1a1	Down	-0.67	7.35E-05	0.008214	Genebody
chr20	20122301	20123300	Jmjd1c	Down	-0.67	0.000309	0.029433	Genebody
chrX	129577801	129578800		Down	-0.67	8.65E-05	0.009173	Intergenic
chr6	138914401	138916700		Down	-0.69	8.51E-07	0.000349	Intergenic
chrX	129850701	129852900		Down	-0.69	1.34E-06	0.000467	Intergenic
chrX	130102201	130103400		Down	-0.69	2.12E-06	0.000626	Intergenic
chrX	129379901	129383100		Down	-0.69	2.49E-06	0.000697	Intergenic
chrX	129038001	129039400		Down	-0.7	4.06E-07	0.00023	Intergenic
chr16	20897101	20900300		Down	-0.7	1.70E-06	0.000553	Intergenic
chrX	129789501	129790600		Down	-0.7	3.82E-06	0.000951	Intergenic
chrX	129034001	129035700		Down	-0.7	4.18E-06	0.001017	Intergenic
chr7	13494701	13495700		Down	-0.7	7.63E-05	0.008399	Intergenic
chrX	129032501	129033800		Down	-0.7	9.21E-05	0.009562	Intergenic
chrX	129015701	129017200		Down	-0.71	2.30E-06	0.000666	Intergenic
chr6	115389701	115391400		Down	-0.71	1.71E-05	0.002894	Intergenic
chr1	206989101	206990600		Down	-0.71	1.71E-05	0.002899	Intergenic
chrX	129649801	129650800		Down	-0.71	5.92E-05	0.007054	Intergenic
chr12	44407001	44408100		Down	-0.71	0.000127	0.012586	Intergenic
chrX	130165901	130167100		Down	-0.71	0.000128	0.012636	Intergenic
chr1	75550301	75551800		Down	-0.71	0.000132	0.01298	Intergenic
chr12	29004701	29005900	Rimbp2	Down	-0.72	9.85E-12	4.48E-08	Genebody
chrX	130159301	130160900		Down	-0.72	1.41E-06	0.000482	Intergenic
chr9	110039501	110040600		Down	-0.72	5.31E-06	0.001207	Intergenic
chrX	129841701	129843100		Down	-0.72	4.26E-05	0.005608	Intergenic
chr1	47912501	47913500		Down	-0.72	5.20E-05	0.006429	Intergenic
chrX	129002901	129004400		Down	-0.72	0.000203	0.019638	Intergenic
chr7	135313301	135314300	Coro2a	Down	-0.73	1.76E-05	0.002956	3k promote
chr7	122988101	122989100		Down	-0.73	8.84E-05	0.009285	Intergenic
chr3	123265101	123266100	Plcb1	Down	-0.74	9.58E-05	0.00977	Genebody
chr16	20799801	20800900		Down	-0.74	7.84E-06	0.001623	Intergenic
chr16	20933201	20934300		Down	-0.74	2.31E-05	0.003611	Intergenic
chr15	55791401	55792400		Down	-0.74	7.34E-05	0.008214	Intergenic
chr20	23477501	23478600		Down	-0.74	8.33E-05	0.00895	Intergenic
chr16	21197801	21199100		Down	-0.74	0.000214	0.020653	Intergenic
chr6	145015501	145016500	Rapgef5	Down	-0.75	4.99E-05	0.006239	Genebody
chr11	84963201	84964600		Down	-0.75	2.31E-06	0.000666	Intergenic
chr16	21347701	21348800		Down	-0.75	2.43E-05	0.003753	Intergenic
chr2	230136001	230137000		Down	-0.75	2.57E-05	0.003879	Intergenic
chr14	9193301	9194300		Down	-0.75	7.32E-05	0.0082	Intergenic
chr4	152536901	152538200	St3gal3	Down	-0.76	1.64E-05	0.002811	Genebody

chr16	21535801	21538200		Down	-0.76	1.30E-06	0.000457	Intergenic
chr3	10366701	10367800		Down	-0.76	8.93E-05	0.009348	Intergenic
chr16	21531501	21532500		Down	-0.76	9.48E-05	0.009712	Intergenic
chr16	20890601	20892200		Down	-0.76	0.000508	0.047887	Intergenic
chr2	146997601	146998600	Pak7	Down	-0.77	7.53E-05	0.008319	3k promote
chr4	179546101	179547400	Olah	Down	-0.77	0.000107	0.010659	Genebody
chr8	42089401	42090800		Down	-0.77	7.78E-07	0.000329	Intergenic
chr16	20577301	20581300		Down	-0.77	4.79E-06	0.001123	Intergenic
chr2	58001701	58003000		Down	-0.77	2.20E-05	0.003485	Intergenic
chrX	130128601	130129900		Down	-0.77	3.07E-05	0.004418	Intergenic
chr16	20795401	20796400		Down	-0.77	4.77E-05	0.006074	Intergenic
chr16	20566201	20567200		Down	-0.77	7.42E-05	0.008255	Intergenic
chrX	25138701	25139700	Tet1	Down	-0.78	6.13E-05	0.007218	Genebody
chrX	129401901	129403800		Down	-0.78	1.00E-06	0.00039	Intergenic
chr5	160418601	160419600		Down	-0.78	9.56E-06	0.001905	Intergenic
chr8	116454801	116455900		Down	-0.78	7.71E-05	0.008461	Intergenic
chr1	204732901	204733900	Cftr	Down	-0.79	0.000459	0.043426	Genebody
chr19	23290501	23292000		Down	-0.79	1.83E-06	0.000571	Intergenic
chrX	130549601	130551000		Down	-0.79	3.89E-06	0.000963	Intergenic
chrX	128958001	128959200		Down	-0.79	4.97E-06	0.001146	Intergenic
chr5	158739701	158740800		Down	-0.79	2.62E-05	0.003929	Intergenic
chr5	172514401	172515500		Down	-0.79	0.000139	0.013688	Intergenic
chr14	49497801	49499100		Down	-0.79	0.000192	0.018591	Intergenic
chr10	72734101	72735100	Gpi	Down	-0.8	9.35E-05	0.009624	Genebody
chr16	20791201	20792700		Down	-0.8	4.70E-06	0.001108	Intergenic
chr6	65368101	65369100		Down	-0.8	5.67E-05	0.006837	Intergenic
chr10	43939501	43940500		Down	-0.8	9.24E-05	0.009563	Intergenic
chr6	139350801	139352000		Down	-0.8	0.000131	0.012911	Intergenic
chrX	130170901	130172200		Down	-0.8	0.00029	0.027726	Intergenic
chr5	63154401	63155700	P2rx5	Down	-0.81	0.000259	0.024831	3k promote
chr11	69559201	69560200	Shank2	Down	-0.81	5.27E-05	0.006485	Genebody
chrX	129099101	129102000		Down	-0.81	3.37E-06	0.000872	Intergenic
chrX	128869501	128876300		Down	-0.81	3.77E-06	0.000943	Intergenic
chrX	130502201	130505700		Down	-0.81	6.42E-06	0.001394	Intergenic
chrX	129116801	129117800		Down	-0.81	1.88E-05	0.003099	Intergenic
chrX	128985301	128986700		Down	-0.81	0.00014	0.013768	Intergenic
chr5	138554001	138555300	Aatf	Down	-0.82	3.14E-05	0.004483	Genebody
chr3	140960501	140961500		Down	-0.82	4.97E-05	0.006228	Intergenic
chr6	138674401	138675400		Down	-0.82	5.01E-05	0.006262	Intergenic
chr16	27629301	27630300		Down	-0.82	5.14E-05	0.006375	Intergenic
chr14	83949201	83950200		Down	-0.82	6.88E-05	0.007849	Intergenic
chr20	31789101	31790200		Down	-0.82	8.35E-05	0.008958	Intergenic
chr8	22355801	22357100		Down	-0.82	0.0002	0.019417	Intergenic
chr12	6090101	6091100	Lmcd1	Down	-0.83	3.34E-05	0.004691	Genebody
chr15	5628301	5629500	Cacnb1	Down	-0.83	3.67E-05	0.005039	Genebody
chrX	22223601	22224900	lqcg	Down	-0.83	8.87E-05	0.009306	Genebody
chr9	13556301	13558000		Down	-0.83	1.39E-05	0.002477	Intergenic
chr3	124454701	124456000	Madcam1	Down	-0.84	2.29E-06	0.000663	3k promote

chr10	60036701	60037800	LOC10027	Down	-0.84	0.000113	0.011239	3k promote
chr7	54616001	54617100	Tmem19	Down	-0.84	7.44E-05	0.008255	Genebody
chr17	86017001	86018100	Cyp2c7	Down	-0.84	0.000189	0.018369	Genebody
chr16	21357601	21360100		Down	-0.84	7.79E-06	0.001616	Intergenic
chr16	21207401	21209600		Down	-0.84	1.13E-05	0.002136	Intergenic
chr15	55136101	55137500		Down	-0.84	5.54E-05	0.006739	Intergenic
chr1	157801	158800		Down	-0.84	6.28E-05	0.007356	Intergenic
chr13	91487501	91488600		Down	-0.84	9.47E-05	0.009712	Intergenic
chr9	845701	846700		Down	-0.84	9.61E-05	0.009785	Intergenic
chr19	45286301	45287500		Down	-0.84	0.000152	0.01486	Intergenic
chr7	122347901	122349000		Down	-0.84	0.00021	0.020332	Intergenic
chr7	11558201	11559400	Crebbp	Down	-0.85	2.10E-06	0.000624	3k promote
chr6	77577701	77578700	RGD15608	Down	-0.85	4.04E-05	0.005389	Genebody
chr16	21573401	21575000		Down	-0.85	1.55E-06	0.000518	Intergenic
chr6	139826001	139827000		Down	-0.85	2.64E-06	0.000727	Intergenic
chr7	132264601	132265800		Down	-0.85	3.41E-06	0.000879	Intergenic
chr1	71953401	71955100		Down	-0.85	2.50E-05	0.003819	Intergenic
chr17	49429501	49430500		Down	-0.85	3.30E-05	0.004652	Intergenic
chrX	129631901	129633000		Down	-0.85	4.26E-05	0.005608	Intergenic
chr1	262475201	262476200		Down	-0.85	4.35E-05	0.005696	Intergenic
chr14	100487101	100488100		Down	-0.85	4.95E-05	0.006227	Intergenic
chrX	129124901	129125900		Down	-0.85	6.00E-05	0.00712	Intergenic
chr14	93856601	93857600		Down	-0.85	7.37E-05	0.008229	Intergenic
chr19	47517901	47518900	Bard1	Down	-0.86	7.59E-06	0.001586	Genebody
chr10	110529001	110530000	Kpnb1	Down	-0.86	0.000107	0.010704	Genebody
chr16	20764101	20768800		Down	-0.86	2.35E-06	0.000671	Intergenic
chr16	20751201	20753100		Down	-0.86	7.48E-06	0.001568	Intergenic
chr4	161306901	161308400		Down	-0.86	1.21E-05	0.00224	Intergenic
chr1	52368201	52369600		Down	-0.86	1.69E-05	0.002875	Intergenic
chrX	129560001	129561700		Down	-0.86	1.83E-05	0.003056	Intergenic
chrX	130197101	130198100		Down	-0.86	2.14E-05	0.003431	Intergenic
chr6	48530301	48531600		Down	-0.86	2.25E-05	0.003551	Intergenic
chr16	20728101	20729100		Down	-0.86	3.16E-05	0.004503	Intergenic
chr5	61778401	61779700		Down	-0.86	3.25E-05	0.004604	Intergenic
chr6	139369801	139370800		Down	-0.86	9.35E-05	0.009624	Intergenic
chr4	77343701	77344700		Down	-0.86	9.83E-05	0.009951	Intergenic
chr5	4511601	4513000		Down	-0.86	0.000179	0.017444	Intergenic
chr7	109608001	109609600		Down	-0.86	0.000254	0.024392	Intergenic
chr1	184407501	184408600	Ascc3l1	Down	-0.87	7.17E-05	0.008077	3k promote
chr10	11600101	11601100	Rad51c	Down	-0.87	7.39E-05	0.008238	3k promote
chr3	114705801	114706900	Zfp292	Down	-0.87	9.14E-05	0.009506	3k promote
chr7	142211201	142213100		Down	-0.87	3.50E-07	0.000212	Intergenic
chr6	138923601	138925900		Down	-0.87	1.16E-06	0.000428	Intergenic
chr2	52283401	52285000		Down	-0.87	2.23E-06	0.000648	Intergenic
chr1	47770501	47771700		Down	-0.87	1.12E-05	0.002126	Intergenic
chrX	128884201	128887500		Down	-0.87	1.15E-05	0.002156	Intergenic
chr16	20617101	20619200		Down	-0.87	1.81E-05	0.003026	Intergenic
chrX	129566301	129567400		Down	-0.87	1.84E-05	0.003062	Intergenic

chrX	129464201	129465200		Down	-0.87	6.03E-05	0.007141	Intergenic
chr20	10929401	10930400		Down	-0.87	7.33E-05	0.008213	Intergenic
chr1	192449901	192450900		Down	-0.87	8.39E-05	0.008977	Intergenic
chr5	68009501	68010500		Down	-0.87	9.61E-05	0.009785	Intergenic
chr10	75719201	75720200	Nfs1	Down	-0.88	6.47E-05	0.007516	3k promote
chr5	51520101	51521100	Prss42	Down	-0.88	6.93E-05	0.007885	3k promote
chr2	181032501	181033600	Spetex-2H	Down	-0.88	1.53E-05	0.002682	Genebody
chr1	46499201	46501400	Slc25a21	Down	-0.88	6.24E-05	0.007327	Genebody
chr10	87377001	87378100	Mapk10	Down	-0.88	6.66E-05	0.007683	Genebody
chr17	10037701	10038700		Down	-0.88	8.39E-07	0.000347	Intergenic
chr16	22009801	22011400		Down	-0.88	2.45E-06	0.000691	Intergenic
chr1	75551901	75553300		Down	-0.88	1.29E-05	0.002342	Intergenic
chrX	128964301	128965500		Down	-0.88	2.77E-05	0.004092	Intergenic
chrX	128962401	128963700		Down	-0.88	3.09E-05	0.00443	Intergenic
chr19	39995201	39996200		Down	-0.88	4.40E-05	0.005733	Intergenic
chrX	130449501	130450500		Down	-0.88	4.52E-05	0.005842	Intergenic
chr1	240042901	240043900		Down	-0.88	6.70E-05	0.007716	Intergenic
chr12	37341301	37342300		Down	-0.88	7.46E-05	0.008257	Intergenic
chrX	129214101	129215300		Down	-0.88	0.000298	0.028416	Intergenic
chr16	21239801	21241000		Down	-0.88	0.000434	0.041092	Intergenic
chr16	21638201	21639500		Down	-0.88	0.000474	0.04486	Intergenic
chr3	146548601	146549600	Odf3l2	Down	-0.89	4.61E-05	0.005914	3k promote
chr1	86677301	86678400	Fbxw2	Down	-0.89	3.71E-06	0.000935	Genebody
chr10	86769501	86770700	Ash1l	Down	-0.89	2.75E-05	0.004068	Genebody
chr14	42365901	42366900	Cmpip	Down	-0.89	4.00E-05	0.005344	Genebody
chr1	191372501	191374400		Down	-0.89	5.83E-07	0.00028	Intergenic
chr16	20864001	20865200		Down	-0.89	1.57E-06	0.000521	Intergenic
chr1	52797901	52799000		Down	-0.89	7.82E-06	0.00162	Intergenic
chr6	139713801	139715900		Down	-0.89	1.21E-05	0.00224	Intergenic
chr16	14085201	14086200		Down	-0.89	2.35E-05	0.003658	Intergenic
chr7	48200301	48201300		Down	-0.89	7.00E-05	0.007938	Intergenic
chr6	8914601	8915600		Down	-0.89	8.19E-05	0.008844	Intergenic
chr15	4608201	4609200		Down	-0.89	8.69E-05	0.009183	Intergenic
chr7	35336701	35337700		Down	-0.89	8.71E-05	0.009187	Intergenic
chr16	69083601	69084600		Down	-0.89	8.79E-05	0.00926	Intergenic
chrX	129211601	129213200		Down	-0.89	9.32E-05	0.009612	Intergenic
chr12	10399501	10400500		Down	-0.89	9.49E-05	0.009718	Intergenic
chr4	123798401	123800100		Down	-0.89	0.00015	0.014677	Intergenic
chr3	16980501	16981900		Down	-0.89	0.000301	0.028696	Intergenic
chr8	124740101	124741100	Foxk2	Down	-0.9	2.66E-05	0.003984	Genebody
chr3	158819801	158821000		Down	-0.9	4.25E-06	0.001029	Intergenic
chr16	20428701	20429900		Down	-0.9	5.24E-06	0.001195	Intergenic
chrX	129868901	129870700		Down	-0.9	7.50E-06	0.00157	Intergenic
chrX	129143701	129144900		Down	-0.9	8.70E-06	0.001762	Intergenic
chr6	97321601	97322600		Down	-0.9	1.49E-05	0.002621	Intergenic
chr6	138869001	138870300		Down	-0.9	1.73E-05	0.002926	Intergenic
chrX	130056601	130057600		Down	-0.9	6.77E-05	0.007769	Intergenic
chr1	181940401	181941400		Down	-0.9	7.05E-05	0.007973	Intergenic

chr3	98106601	98107600		Down	-0.9	7.39E-05	0.008238	Intergenic
chrX	129242001	129243000		Down	-0.9	7.88E-05	0.008566	Intergenic
chr7	11569901	11570900		Down	-0.9	8.19E-05	0.008844	Intergenic
chr14	30760501	30761600		Down	-0.9	0.000217	0.020959	Intergenic
chr19	167501	169100		Down	-0.9	0.000477	0.04507	Intergenic
chr8	115178701	115179700	Mtpn	Down	-0.91	4.24E-05	0.005597	3k promote
chr7	131908301	131909300	Zbp2	Down	-0.91	2.76E-05	0.004086	Genebody
chr15	6227501	6228900	Hoga1	Down	-0.91	4.61E-05	0.005915	Genebody
chr18	61298801	61299800	Crebbp	Down	-0.91	4.78E-05	0.00608	Genebody
chr16	21527101	21529300		Down	-0.91	1.62E-06	0.000531	Intergenic
chrX	129391701	129393100		Down	-0.91	2.07E-06	0.000619	Intergenic
chr5	114470101	114471900		Down	-0.91	5.32E-06	0.001208	Intergenic
chr16	20621201	20622700		Down	-0.91	6.03E-06	0.001328	Intergenic
chr4	16331501	16333000		Down	-0.91	1.05E-05	0.002032	Intergenic
chr7	25308101	25309100		Down	-0.91	1.15E-05	0.002169	Intergenic
chr3	114065401	114066500		Down	-0.91	1.18E-05	0.002199	Intergenic
chr14	2988101	2989600		Down	-0.91	1.49E-05	0.002621	Intergenic
chr2	52277001	52278000		Down	-0.91	2.54E-05	0.003847	Intergenic
chr16	21624301	21625600		Down	-0.91	2.78E-05	0.004111	Intergenic
chr12	3183101	3184100		Down	-0.91	4.27E-05	0.005615	Intergenic
chr12	38184601	38185600		Down	-0.91	8.78E-05	0.009247	Intergenic
chr3	138255701	138256900		Down	-0.91	9.64E-05	0.00981	Intergenic
chr15	89613701	89614700		Down	-0.91	9.67E-05	0.009836	Intergenic
chr7	11574201	11575200	Dnaja3	Down	-0.92	1.80E-05	0.003007	3k promote
chr3	47656701	47657700	LOC36093	Down	-0.92	2.94E-05	0.004273	Genebody
chr5	154118301	154119300	Scn11a	Down	-0.92	3.51E-05	0.004866	Genebody
chr7	138520501	138521500	Pphln1	Down	-0.92	9.22E-05	0.009562	Genebody
chr16	21201801	21204000		Down	-0.92	5.50E-07	0.000272	Intergenic
chrX	129218601	129219900		Down	-0.92	1.26E-06	0.000451	Intergenic
chrX	128881901	128883800		Down	-0.92	1.84E-06	0.000571	Intergenic
chrX	129764001	129766900		Down	-0.92	2.32E-06	0.000668	Intergenic
chrX	129448101	129450800		Down	-0.92	3.23E-06	0.000844	Intergenic
chr19	44510401	44512300		Down	-0.92	7.73E-06	0.001605	Intergenic
chr4	129255001	129256100		Down	-0.92	1.55E-05	0.002702	Intergenic
chr11	81692201	81693200		Down	-0.92	1.56E-05	0.002712	Intergenic
chr2	52295201	52296900		Down	-0.92	2.99E-05	0.00433	Intergenic
chr1	230801701	230803400		Down	-0.92	3.82E-05	0.005172	Intergenic
chr7	33701601	33702600		Down	-0.92	5.03E-05	0.006272	Intergenic
chr8	32458301	32459300		Down	-0.92	8.48E-05	0.009052	Intergenic
chr1	47869501	47870700		Down	-0.92	9.06E-05	0.009455	Intergenic
chr7	46654801	46655800		Down	-0.92	9.21E-05	0.009562	Intergenic
chr1	111370901	111371900		Down	-0.92	9.29E-05	0.009591	Intergenic
chr5	70812201	70813300		Down	-0.92	0.000102	0.010216	Intergenic
chr1	51209801	51210900		Down	-0.92	0.000148	0.014559	Intergenic
chr13	75570201	75571200	Tnn	Down	-0.93	1.75E-05	0.002951	1k promote
chr4	62924901	62926100	Nubpl	Down	-0.93	1.12E-05	0.002122	3k promote
chr10	11007301	11008300	Etv3l	Down	-0.93	2.47E-05	0.003794	3k promote
chr1	81860101	81861100	Brpf3	Down	-0.93	4.96E-06	0.001146	Genebody



chr3	13815901	13817500	Spetex-2C	Down	-0.93	7.97E-06	0.001644	Genebody
chr19	26769601	26770600	Nedd4l	Down	-0.93	7.84E-05	0.008539	Genebody
chr5	140417401	140419300		Down	-0.93	4.59E-07	0.000244	Intergenic
chr16	20804901	20806400		Down	-0.93	5.22E-07	0.000263	Intergenic
chr16	20735101	20738900		Down	-0.93	2.24E-06	0.00065	Intergenic
chr16	39063801	39065100		Down	-0.93	2.54E-06	0.000708	Intergenic
chr6	139827601	139828900		Down	-0.93	3.70E-06	0.000934	Intergenic
chrX	129878101	129879100		Down	-0.93	5.21E-06	0.00119	Intergenic
chr16	21660301	21662200		Down	-0.93	8.19E-06	0.001677	Intergenic
chr6	138829801	138830900		Down	-0.93	1.59E-05	0.002748	Intergenic
chr16	20444601	20446100		Down	-0.93	1.70E-05	0.002892	Intergenic
chr15	4935501	4936700		Down	-0.93	4.33E-05	0.005668	Intergenic
chr8	121619001	121620000		Down	-0.93	4.47E-05	0.005808	Intergenic
chr16	51144001	51145000		Down	-0.93	4.57E-05	0.005878	Intergenic
chr6	139318601	139320100		Down	-0.93	4.80E-05	0.006092	Intergenic
chrX	128995801	128996800		Down	-0.93	8.50E-05	0.009073	Intergenic
chr9	28485101	28486100		Down	-0.93	8.62E-05	0.009153	Intergenic
chr1	49934901	49936400		Down	-0.93	8.71E-05	0.009187	Intergenic
chr1	33853301	33854500		Down	-0.93	8.82E-05	0.00928	Intergenic
chr10	14006001	14007100		Down	-0.93	0.000108	0.010776	Intergenic
chr20	44087101	44088300		Down	-0.93	0.000199	0.019256	Intergenic
chr6	139772401	139773500		Down	-0.93	0.000305	0.029084	Intergenic
chr3	145448601	145449600	Pum1	Down	-0.94	1.56E-05	0.002712	Genebody
chr1	244244201	244245300	Scn2a1	Down	-0.94	2.27E-05	0.003574	Genebody
chr4	160959001	160960000	Srrm1	Down	-0.94	8.00E-05	0.008666	Genebody
chr16	22017301	22019000		Down	-0.94	3.14E-07	0.000201	Intergenic
chr19	165201	166900		Down	-0.94	4.44E-07	0.00024	Intergenic
chrX	129451001	129454200		Down	-0.94	1.26E-06	0.000451	Intergenic
chr6	139461801	139463100		Down	-0.94	7.18E-06	0.001517	Intergenic
chr10	87264101	87265100		Down	-0.94	1.05E-05	0.002029	Intergenic
chr5	60217901	60219600		Down	-0.94	1.14E-05	0.002146	Intergenic
chr7	51157501	51158600		Down	-0.94	1.18E-05	0.002202	Intergenic
chr18	65332401	65333400		Down	-0.94	2.15E-05	0.003433	Intergenic
chr17	54974801	54975800		Down	-0.94	2.45E-05	0.003775	Intergenic
chr16	21498001	21501000		Down	-0.94	2.55E-05	0.003858	Intergenic
chr1	588001	589200		Down	-0.94	3.72E-05	0.005086	Intergenic
chr14	4520801	4521800		Down	-0.94	4.16E-05	0.005522	Intergenic
chr8	7550401	7551500		Down	-0.94	4.43E-05	0.00577	Intergenic
chr16	21564701	21565700		Down	-0.94	7.58E-05	0.008356	Intergenic
chr12	16793401	16794400		Down	-0.94	8.07E-05	0.008734	Intergenic
chr7	49855901	49857000		Down	-0.94	9.94E-05	0.010033	Intergenic
chr1	208451801	208453700		Down	-0.94	0.000148	0.014508	Intergenic
chr3	14464901	14465900	Klhl6	Down	-0.95	4.36E-07	0.000239	Genebody
chr10	11711301	11712400	Lima1	Down	-0.95	1.14E-05	0.002144	Genebody
chr13	40904601	40905800	Cyp2b15	Down	-0.95	4.38E-05	0.005725	Genebody
chr1	50447501	50448700		Down	-0.95	1.07E-06	0.000404	Intergenic
chr16	20818701	20821000		Down	-0.95	2.12E-06	0.000626	Intergenic
chr6	139437701	139439400		Down	-0.95	4.37E-06	0.001049	Intergenic

chr20	8938701	8939700		Down	-0.95	2.97E-05	0.004317	Intergenic
chr2	27204001	27205000		Down	-0.95	3.77E-05	0.005127	Intergenic
chr17	5609501	5610500		Down	-0.95	4.80E-05	0.006092	Intergenic
chr3	149214901	149215900		Down	-0.95	6.09E-05	0.007188	Intergenic
chr2	187140101	187141100		Down	-0.95	7.45E-05	0.008255	Intergenic
chr9	5663901	5664900		Down	-0.95	8.32E-05	0.008941	Intergenic
chr20	7341101	7342200		Down	-0.95	0.000292	0.027855	Intergenic
chrX	129190401	129191700		Down	-0.95	0.000478	0.045164	Intergenic
chr9	1629501	1631000	Kcnq1	Down	-0.96	4.66E-06	0.001105	Genebody
chr1	252408901	252409900	Oxr1	Down	-0.96	1.20E-05	0.002224	Genebody
chr8	113069001	113070000	Creb1	Down	-0.96	2.56E-05	0.003861	Genebody
chr9	70132401	70134300	R3hdm1	Down	-0.96	6.82E-05	0.007802	Genebody
chr12	46051401	46052500	Robo1	Down	-0.96	9.91E-05	0.010008	Genebody
chr16	20853001	20855900		Down	-0.96	1.32E-06	0.000462	Intergenic
chr19	640001	641900		Down	-0.96	3.43E-06	0.000884	Intergenic
chr16	20539901	20541200		Down	-0.96	9.30E-06	0.001857	Intergenic
chrX	129832001	129833100		Down	-0.96	1.13E-05	0.002141	Intergenic
chr4	80983901	80984900		Down	-0.96	1.85E-05	0.003065	Intergenic
chr7	72451301	72452400		Down	-0.96	2.05E-05	0.003311	Intergenic
chr6	43515001	43516000		Down	-0.96	3.97E-05	0.005321	Intergenic
chr16	21594701	21596500		Down	-0.96	4.45E-05	0.005783	Intergenic
chrX	129097401	129098400		Down	-0.96	4.79E-05	0.006087	Intergenic
chr16	22041201	22042200		Down	-0.96	5.80E-05	0.006959	Intergenic
chr1	37806201	37807200		Down	-0.96	7.47E-05	0.008264	Intergenic
chr8	39922901	39923900		Down	-0.96	7.72E-05	0.008462	Intergenic
chr19	24517301	24518300		Down	-0.96	7.82E-05	0.008529	Intergenic
chr4	181547301	181548300		Down	-0.96	8.62E-05	0.009153	Intergenic
chr16	22039301	22040300		Down	-0.96	8.85E-05	0.009294	Intergenic
chr10	8146701	8147700		Down	-0.96	8.95E-05	0.009365	Intergenic
chr15	4709301	4710900		Down	-0.96	0.000169	0.016522	Intergenic
chr6	72265301	72266400	Zfp330	Down	-0.97	2.92E-05	0.004261	3k promote
chr2	179593201	179594200	Rragc	Down	-0.97	5.25E-05	0.006475	3k promote
chr8	110365501	110366500	Rnf150	Down	-0.97	2.31E-05	0.003617	Genebody
chr1	56893901	56894900	Asip	Down	-0.97	3.49E-05	0.004854	Genebody
chr2	27702801	27703800	Gnb3	Down	-0.97	4.52E-05	0.005842	Genebody
chr1	248802001	248803200	LOC502618	Down	-0.97	7.64E-05	0.008403	Genebody
chr11	43773701	43774700	Tmem2	Down	-0.97	0.000224	0.021541	Genebody
chr16	20815601	20818100		Down	-0.97	3.42E-07	0.00021	Intergenic
chr7	11723001	11724700		Down	-0.97	1.38E-06	0.000477	Intergenic
chrX	130125201	130127000		Down	-0.97	1.51E-06	0.000508	Intergenic
chr16	21583501	21584800		Down	-0.97	1.56E-06	0.000519	Intergenic
chr17	13393501	13394500		Down	-0.97	3.40E-06	0.000879	Intergenic
chr20	15071701	15072800		Down	-0.97	4.30E-06	0.001037	Intergenic
chrX	129102101	129104400		Down	-0.97	5.45E-06	0.001231	Intergenic
chr15	57290501	57291700		Down	-0.97	1.06E-05	0.002039	Intergenic
chr15	17771001	17772000		Down	-0.97	1.20E-05	0.002232	Intergenic
chr7	131462901	131463900		Down	-0.97	1.41E-05	0.002501	Intergenic
chrX	129874101	129875200		Down	-0.97	3.01E-05	0.00434	Intergenic

chrX	128890101	128893300		Down	-0.97	3.87E-05	0.005229	Intergenic
chr5	141716701	141717700		Down	-0.97	4.07E-05	0.00542	Intergenic
chr11	43190001	43191500		Down	-0.97	4.89E-05	0.006171	Intergenic
chrX	128997701	128999500		Down	-0.97	6.23E-05	0.007319	Intergenic
chr1	58868401	58869900		Down	-0.97	6.26E-05	0.007337	Intergenic
chr1	52397001	52398300		Down	-0.97	6.29E-05	0.007356	Intergenic
chr15	52114601	52115600		Down	-0.97	6.55E-05	0.007583	Intergenic
chr16	21151701	21153600		Down	-0.97	6.75E-05	0.007747	Intergenic
chr16	61637901	61638900		Down	-0.97	7.78E-05	0.008505	Intergenic
chr14	49064401	49065700		Down	-0.97	9.20E-05	0.009558	Intergenic
chr6	139711201	139712500		Down	-0.97	9.39E-05	0.009657	Intergenic
chr16	31850001	31851000		Down	-0.97	9.73E-05	0.009873	Intergenic
chr16	37876701	37879600		Down	-0.97	0.000138	0.013622	Intergenic
chr1	64729401	64730700		Down	-0.97	0.000247	0.023779	Intergenic
chr13	97834301	97835300	Lbr	Down	-0.97	3.29E-06	0.000858	proximal pr
chr1	138028301	138029300	Abcc5	Down	-0.98	2.18E-06	0.000639	Genebody
chr2	3026901	3027900	Usmg5	Down	-0.98	6.67E-05	0.007684	Genebody
chr7	110699901	110700900	Rbm6	Down	-0.98	9.27E-05	0.009575	Genebody
chr18	33494101	33495100	Col13a1	Down	-0.98	0.000405	0.038427	Genebody
chr16	21976301	21978500		Down	-0.98	4.49E-07	0.000241	Intergenic
chr7	116290001	116291900		Down	-0.98	6.11E-07	0.000285	Intergenic
chrX	129289301	129291200		Down	-0.98	6.11E-07	0.000285	Intergenic
chr14	78913501	78915400		Down	-0.98	6.37E-07	0.000293	Intergenic
chr16	21204401	21205500		Down	-0.98	1.65E-06	0.000538	Intergenic
chr10	74698201	74700100		Down	-0.98	1.83E-06	0.000571	Intergenic
chrX	130482001	130487300		Down	-0.98	2.35E-06	0.000671	Intergenic
chr7	669401	672400		Down	-0.98	2.63E-06	0.000724	Intergenic
chr16	21567401	21569400		Down	-0.98	4.46E-06	0.001065	Intergenic
chr3	57365101	57366100		Down	-0.98	4.61E-06	0.001094	Intergenic
chr6	139060701	139062600		Down	-0.98	4.82E-06	0.001123	Intergenic
chrX	129021601	129023800		Down	-0.98	9.19E-06	0.001842	Intergenic
chr19	6146501	6147500		Down	-0.98	1.05E-05	0.002035	Intergenic
chr16	22047501	22048500		Down	-0.98	1.84E-05	0.003059	Intergenic
chr12	21059601	21060600		Down	-0.98	4.02E-05	0.005367	Intergenic
chr1	50728601	50729700		Down	-0.98	4.05E-05	0.0054	Intergenic
chr20	36955701	36956700		Down	-0.98	4.32E-05	0.005664	Intergenic
chr9	39374801	39376700		Down	-0.98	4.96E-05	0.006228	Intergenic
chr7	18822801	18823800		Down	-0.98	6.62E-05	0.007648	Intergenic
chr7	113102201	113103200		Down	-0.98	7.25E-05	0.008136	Intergenic
chr3	145409001	145410000		Down	-0.98	8.25E-05	0.008887	Intergenic
chr5	59392301	59393300		Down	-0.98	8.52E-05	0.009084	Intergenic
chr16	21656701	21658600		Down	-0.98	0.000102	0.010288	Intergenic
chrX	129346601	129348200		Down	-0.98	0.000153	0.014941	Intergenic
chrX	129784101	129785400		Down	-0.98	0.000256	0.024588	Intergenic
chrX	129018401	129020700		Down	-0.98	0.000305	0.02905	Intergenic
chr16	21277901	21279100		Down	-0.98	0.000324	0.030819	Intergenic
chr19	27046801	27047800	Etv1	Down	-0.99	8.33E-06	0.001703	3k promote
chr5	143206101	143207100	Rnf17	Down	-0.99	3.73E-05	0.00509	3k promote

chr6	57677301	57678400	Ash2l	Down	-0.99	5.71E-05	0.00687	3k promote
chr4	148118601	148120000	Nek11	Down	-0.99	1.04E-05	0.002026	Genebody
chr14	78449801	78450800	Parva	Down	-0.99	3.45E-05	0.004812	Genebody
chr3	141866501	141867700	Fkbp1a	Down	-0.99	3.74E-05	0.005105	Genebody
chr12	6701	7700		Down	-0.99	4.84E-07	0.000251	Intergenic
chrX	129220101	129221900		Down	-0.99	6.95E-07	0.000305	Intergenic
chr16	20788901	20790800		Down	-0.99	7.95E-07	0.000334	Intergenic
chr1	51830401	51832100		Down	-0.99	1.56E-06	0.00052	Intergenic
chr16	20536301	20539000		Down	-0.99	1.72E-06	0.000555	Intergenic
chr1	47823701	47825900		Down	-0.99	2.43E-06	0.000687	Intergenic
chr16	21982401	21984000		Down	-0.99	6.40E-06	0.001391	Intergenic
chr1	64641101	64642400		Down	-0.99	6.86E-06	0.001466	Intergenic
chrX	129858801	129860100		Down	-0.99	8.31E-06	0.0017	Intergenic
chr7	100518901	100520800		Down	-0.99	9.57E-06	0.001905	Intergenic
chr15	57308601	57309700		Down	-0.99	2.37E-05	0.003684	Intergenic
chr16	20673701	20675100		Down	-0.99	2.50E-05	0.003817	Intergenic
chrX	128878901	128881100		Down	-0.99	2.54E-05	0.003847	Intergenic
chr15	31158201	31159400		Down	-0.99	2.64E-05	0.003953	Intergenic
chr3	16972501	16973500		Down	-0.99	3.00E-05	0.004331	Intergenic
chr19	9972501	9973600		Down	-0.99	3.82E-05	0.005172	Intergenic
chr17	10147401	10148400		Down	-0.99	5.12E-05	0.006363	Intergenic
chr4	27665401	27666400		Down	-0.99	7.52E-05	0.008307	Intergenic
chr20	26073201	26074200		Down	-0.99	7.96E-05	0.008633	Intergenic
chr14	84654101	84655100		Down	-0.99	9.14E-05	0.009506	Intergenic
chr5	140834801	140835800		Down	-0.99	9.26E-05	0.009575	Intergenic
chr5	172482601	172483600		Down	-0.99	9.27E-05	0.009575	Intergenic
chr8	57595501	57596600		Down	-0.99	0.00011	0.010979	Intergenic
chr2	158983301	158984300	Vom2r10	Down	-1	3.90E-05	0.005259	Genebody
chr10	95608001	95609000	Enc1	Down	-1	7.29E-05	0.008181	Genebody
chr2	184440701	184442200		Down	-1	8.91E-07	0.00036	Intergenic
chrX	159425601	159427500		Down	-1	9.92E-07	0.000388	Intergenic
chr6	139393001	139396000		Down	-1	1.01E-06	0.000391	Intergenic
chr16	21376201	21379500		Down	-1	1.83E-06	0.000571	Intergenic
chr4	5742001	5743000		Down	-1	2.46E-06	0.000692	Intergenic
chr2	181180801	181182000		Down	-1	6.80E-06	0.001457	Intergenic
chrX	128887701	128890000		Down	-1	7.13E-06	0.001514	Intergenic
chrX	129294601	129296300		Down	-1	7.89E-06	0.00163	Intergenic
chr16	21984801	21986700		Down	-1	1.13E-05	0.002132	Intergenic
chr15	19281301	19282300		Down	-1	2.56E-05	0.003861	Intergenic
chr6	139065701	139066800		Down	-1	3.08E-05	0.004418	Intergenic
chr19	20212001	20213000		Down	-1	5.06E-05	0.006299	Intergenic
chr3	112322701	112323700		Down	-1	5.67E-05	0.006837	Intergenic
chr1	264447501	264449100		Down	-1	5.88E-05	0.007016	Intergenic
chrX	130185201	130186700		Down	-1	0.000109	0.010864	Intergenic
chr1	105930801	105932400		Down	-1	0.000121	0.012024	Intergenic
chr14	44815101	44816100	Rbm47	Down	-1.01	8.62E-05	0.009153	1k promote
chr15	35339601	35340600	Ak2	Down	-1.01	5.55E-05	0.006749	3k promote
chr7	19136801	19137900	Ep400	Down	-1.01	4.69E-06	0.001107	Genebody

chr7	77417301	77419100	RGD13094	Down	-1.01	9.19E-05	0.009551	Genebody
chr11	14472101	14474000		Down	-1.01	3.00E-07	0.000194	Intergenic
chr6	139371201	139373100		Down	-1.01	3.33E-07	0.000208	Intergenic
chr16	21455301	21457300		Down	-1.01	5.66E-07	0.000275	Intergenic
chr6	138928401	138929700		Down	-1.01	7.53E-07	0.000322	Intergenic
chr1	111359001	111360700		Down	-1.01	1.14E-06	0.00042	Intergenic
chrX	130079501	130083500		Down	-1.01	1.21E-06	0.000442	Intergenic
chr6	125425301	125426400		Down	-1.01	1.29E-06	0.000456	Intergenic
chr13	30373101	30374800		Down	-1.01	1.50E-06	0.000506	Intergenic
chr16	21610101	21613600		Down	-1.01	2.89E-06	0.00078	Intergenic
chr16	21580301	21582100		Down	-1.01	9.93E-06	0.001953	Intergenic
chr1	60326201	60327600		Down	-1.01	1.25E-05	0.002288	Intergenic
chr1	33850401	33851400		Down	-1.01	1.25E-05	0.002293	Intergenic
chr17	49341601	49343500		Down	-1.01	1.56E-05	0.002712	Intergenic
chr3	162567401	162568700		Down	-1.01	1.76E-05	0.002956	Intergenic
chr20	38280201	38281200		Down	-1.01	3.25E-05	0.004606	Intergenic
chr17	17507501	17508700		Down	-1.01	3.47E-05	0.004828	Intergenic
chrX	130319601	130320600		Down	-1.01	3.57E-05	0.004923	Intergenic
chr16	21304301	21306600		Down	-1.01	4.86E-05	0.006151	Intergenic
chr1	47955501	47956500		Down	-1.01	4.97E-05	0.006228	Intergenic
chr6	139536201	139537200		Down	-1.01	5.60E-05	0.006794	Intergenic
chrX	65898401	65899500		Down	-1.01	6.28E-05	0.007356	Intergenic
chr2	70310001	70311000		Down	-1.01	6.99E-05	0.007925	Intergenic
chr12	4597601	4598600		Down	-1.01	7.54E-05	0.00832	Intergenic
chr12	25605501	25606500		Down	-1.01	7.55E-05	0.00833	Intergenic
chr16	70615401	70616400	Ip6k1	Down	-1.02	3.10E-06	0.000818	3k promote
chr12	17575001	17576000	Efhb	Down	-1.02	6.09E-06	0.001336	Genebody
chr4	43902701	43903900	Btbd1	Down	-1.02	1.21E-05	0.00224	Genebody
chr10	85886201	85887600	Spata9	Down	-1.02	3.73E-05	0.005096	Genebody
chr13	85841101	85843000	Trappc9	Down	-1.02	3.76E-05	0.005123	Genebody
chrX	7106601	7107900	Kctd16	Down	-1.02	4.09E-05	0.005432	Genebody
chr6	107391301	107392300	Ccdc91	Down	-1.02	0.000313	0.029787	Genebody
chr17	8248701	8250100		Down	-1.02	1.81E-07	0.000142	Intergenic
chr3	581201	582900		Down	-1.02	5.52E-07	0.000272	Intergenic
chr2	154368501	154370900		Down	-1.02	6.71E-07	0.000301	Intergenic
chr16	37873401	37876200		Down	-1.02	8.17E-07	0.000339	Intergenic
chrX	130258601	130261200		Down	-1.02	1.09E-06	0.000409	Intergenic
chr16	20786701	20788600		Down	-1.02	1.13E-06	0.000419	Intergenic
chr16	31456501	31457900		Down	-1.02	1.27E-06	0.000455	Intergenic
chr16	21372801	21375500		Down	-1.02	1.35E-06	0.00047	Intergenic
chr16	22092601	22094100		Down	-1.02	3.23E-06	0.000844	Intergenic
chr16	20806901	20808200		Down	-1.02	7.18E-06	0.001517	Intergenic
chr1	14273601	14274600		Down	-1.02	1.54E-05	0.002695	Intergenic
chr20	37991601	37992800		Down	-1.02	2.33E-05	0.003627	Intergenic
chr16	21352901	21354700		Down	-1.02	2.83E-05	0.004169	Intergenic
chr2	193043101	193044100		Down	-1.02	3.28E-05	0.004639	Intergenic
chrX	129135301	129136400		Down	-1.02	3.29E-05	0.004639	Intergenic
chr1	48476201	48477300		Down	-1.02	3.32E-05	0.004662	Intergenic

chrX	53777901	53779000	Down	-1.02	3.60E-05	0.004954	Intergenic	
chr16	2695201	2696200	Down	-1.02	4.18E-05	0.005535	Intergenic	
chr15	15204501	15205500	Down	-1.02	5.27E-05	0.006485	Intergenic	
chr2	21684501	21685500	Down	-1.02	7.34E-05	0.008213	Intergenic	
chr2	29214801	29215800	Down	-1.02	7.87E-05	0.008557	Intergenic	
chr10	5473201	5474200	Down	-1.02	7.90E-05	0.008574	Intergenic	
chr13	111008401	111009400	Down	-1.02	8.70E-05	0.009185	Intergenic	
chr16	21575401	21576400	Down	-1.02	9.23E-05	0.009562	Intergenic	
chrX	128987401	128989100	Down	-1.02	9.96E-05	0.010041	Intergenic	
chr14	49103401	49104900	Down	-1.02	0.000165	0.016072	Intergenic	
chr5	148154401	148155400	Tusc3	Down	-1.03	2.07E-05	0.003338	3k promote
chr8	113291701	113292700	Msl3l2	Down	-1.03	6.06E-05	0.007151	3k promote
chr9	1161301	1162300	Cacna2d3	Down	-1.03	5.19E-07	0.000262	Genebody
chr7	59697801	59698800	Stk32b	Down	-1.03	3.97E-05	0.005322	Genebody
chr8	107319201	107320200	lft80	Down	-1.03	8.75E-05	0.009218	Genebody
chr15	5566201	5567300	Cyp2c7	Down	-1.03	0.000323	0.030702	Genebody
chr17	48917801	48919700		Down	-1.03	4.83E-07	0.000251	Intergenic
chr2	61088201	61089200		Down	-1.03	7.90E-07	0.000332	Intergenic
chr16	22068601	22071300		Down	-1.03	9.15E-07	0.000368	Intergenic
chr1	14438601	14439900		Down	-1.03	1.07E-06	0.000404	Intergenic
chr16	20860501	20861700		Down	-1.03	2.35E-06	0.000671	Intergenic
chr16	20583801	20586000		Down	-1.03	2.44E-06	0.000688	Intergenic
chrX	129085701	129089000		Down	-1.03	2.91E-06	0.000781	Intergenic
chrX	129182401	129183400		Down	-1.03	4.80E-06	0.001123	Intergenic
chr16	21224901	21226800		Down	-1.03	5.25E-06	0.001195	Intergenic
chr15	56997001	56998000		Down	-1.03	5.82E-06	0.001295	Intergenic
chr20	26223801	26224800		Down	-1.03	1.21E-05	0.002241	Intergenic
chr1	48208401	48209700		Down	-1.03	1.30E-05	0.002347	Intergenic
chr18	55502801	55503800		Down	-1.03	1.37E-05	0.002438	Intergenic
chr1	47889501	47890500		Down	-1.03	2.01E-05	0.003262	Intergenic
chr18	53298501	53299600		Down	-1.03	2.65E-05	0.003968	Intergenic
chr11	70092101	70093100		Down	-1.03	2.79E-05	0.004114	Intergenic
chr8	54300201	54301200		Down	-1.03	3.06E-05	0.004404	Intergenic
chr16	20867401	20868700		Down	-1.03	4.52E-05	0.005847	Intergenic
chr6	138972101	138974400		Down	-1.03	4.54E-05	0.005856	Intergenic
chr11	5532501	5533500		Down	-1.03	4.71E-05	0.006016	Intergenic
chr16	21350501	21351800		Down	-1.03	4.88E-05	0.006167	Intergenic
chr16	65187401	65188700		Down	-1.03	5.20E-05	0.006426	Intergenic
chr16	22063801	22064800		Down	-1.03	5.41E-05	0.006614	Intergenic
chr19	56748701	56749800		Down	-1.03	6.06E-05	0.007151	Intergenic
chr7	23970101	23972000		Down	-1.03	7.02E-05	0.007949	Intergenic
chr20	20719001	20720000		Down	-1.03	7.36E-05	0.008224	Intergenic
chr4	86168701	86169700		Down	-1.03	7.41E-05	0.008249	Intergenic
chr6	138856001	138857200		Down	-1.03	8.22E-05	0.008871	Intergenic
chr16	20662501	20663500		Down	-1.03	8.67E-05	0.009183	Intergenic
chr15	301	1300		Down	-1.03	8.68E-05	0.009183	Intergenic
chr20	23427001	23428000		Down	-1.03	9.98E-05	0.010051	Intergenic
chr20	38164601	38166000		Down	-1.03	0.000263	0.025216	Intergenic

chr6	139854501	139855600		Down	-1.03	0.000276	0.026487	Intergenic
chr1	52846501	52848000		Down	-1.03	0.000476	0.044999	Intergenic
chr16	56930201	56931600	Casp8	Down	-1.04	2.28E-05	0.003588	3k promote
chr1	243998701	243999700	Ccdc47	Down	-1.04	4.57E-05	0.005884	Genebody
chr1	52799801	52800900		Down	-1.04	2.97E-07	0.000194	Intergenic
chr6	139341501	139343200		Down	-1.04	7.04E-07	0.000309	Intergenic
chr16	20755901	20757600		Down	-1.04	7.25E-07	0.000313	Intergenic
chr16	20451301	20452700		Down	-1.04	9.23E-07	0.00037	Intergenic
chr1	51345701	51347600		Down	-1.04	1.33E-06	0.000465	Intergenic
chr16	20850501	20851500		Down	-1.04	1.42E-06	0.000483	Intergenic
chr9	16615401	16616700		Down	-1.04	1.83E-06	0.000571	Intergenic
chr4	57761301	57762600		Down	-1.04	3.89E-06	0.000963	Intergenic
chr4	57834701	57836000		Down	-1.04	4.24E-06	0.001029	Intergenic
chrX	15317701	15319600		Down	-1.04	9.74E-06	0.001928	Intergenic
chr7	136901601	136903000		Down	-1.04	1.10E-05	0.002099	Intergenic
chr4	127957401	127958500		Down	-1.04	1.18E-05	0.002203	Intergenic
chr1	128809401	128810400		Down	-1.04	1.27E-05	0.002328	Intergenic
chr6	139760001	139763600		Down	-1.04	1.28E-05	0.002333	Intergenic
chr16	21518801	21520100		Down	-1.04	1.52E-05	0.002653	Intergenic
chr1	51644601	51645900		Down	-1.04	1.83E-05	0.003054	Intergenic
chr5	170726401	170727400		Down	-1.04	1.90E-05	0.003123	Intergenic
chr3	57267901	57269000		Down	-1.04	2.48E-05	0.003795	Intergenic
chr19	23202601	23203800		Down	-1.04	2.54E-05	0.003847	Intergenic
chr4	17214701	17217100		Down	-1.04	2.71E-05	0.004037	Intergenic
chr6	139316401	139317400		Down	-1.04	3.20E-05	0.004541	Intergenic
chr1	99559101	99560100		Down	-1.04	3.26E-05	0.004611	Intergenic
chr18	17649601	17651200		Down	-1.04	3.53E-05	0.004892	Intergenic
chrX	114148801	114149800		Down	-1.04	4.83E-05	0.006121	Intergenic
chr6	11956101	11957100		Down	-1.04	4.92E-05	0.006199	Intergenic
chrX	130261401	130263500		Down	-1.04	7.30E-05	0.008188	Intergenic
chr4	167499301	167500700		Down	-1.04	7.52E-05	0.008311	Intergenic
chr8	59005201	59006200		Down	-1.04	8.08E-05	0.008739	Intergenic
chr4	164905201	164906200		Down	-1.04	8.35E-05	0.008958	Intergenic
chr16	21264801	21265800		Down	-1.04	8.88E-05	0.009311	Intergenic
chr17	77882501	77883500		Down	-1.04	9.45E-05	0.009697	Intergenic
chr18	876801	877800		Down	-1.04	9.88E-05	0.009986	Intergenic
chr6	89224501	89225600		Down	-1.04	0.000284	0.027131	Intergenic
chr4	185233201	185235100	Zscan21	Down	-1.05	4.07E-05	0.005425	Genebody
chr11	82751901	82753400	Spetex-2B	Down	-1.05	0.000198	0.019153	Genebody
chr7	142847101	142849000		Down	-1.05	1.35E-06	0.00047	Intergenic
chr1	45742901	45743900		Down	-1.05	1.57E-06	0.000521	Intergenic
chr6	139444901	139448400		Down	-1.05	1.76E-06	0.000563	Intergenic
chr2	694501	695900		Down	-1.05	1.91E-06	0.000586	Intergenic
chrX	130329601	130332000		Down	-1.05	2.90E-06	0.000781	Intergenic
chr17	52638501	52639600		Down	-1.05	3.44E-06	0.000887	Intergenic
chrX	128991201	128993300		Down	-1.05	3.77E-06	0.000943	Intergenic
chr4	26920501	26921600		Down	-1.05	4.69E-06	0.001107	Intergenic
chr10	7243001	7244000		Down	-1.05	6.15E-06	0.001347	Intergenic

chr1	111270801	111271800	Down	-1.05	8.63E-06	0.001749	Intergenic	
chr10	96436101	96437100	Down	-1.05	1.02E-05	0.001999	Intergenic	
chr13	30623701	30624700	Down	-1.05	1.37E-05	0.002445	Intergenic	
chr6	139439701	139441500	Down	-1.05	1.49E-05	0.002623	Intergenic	
chr16	21263401	21264700	Down	-1.05	1.68E-05	0.002862	Intergenic	
chr15	23309701	23311100	Down	-1.05	1.71E-05	0.002899	Intergenic	
chr13	67770501	67771600	Down	-1.05	2.29E-05	0.003601	Intergenic	
chr3	16900401	16901400	Down	-1.05	2.47E-05	0.003789	Intergenic	
chr18	20106801	20108100	Down	-1.05	2.74E-05	0.004067	Intergenic	
chr8	39900301	39901300	Down	-1.05	3.72E-05	0.005086	Intergenic	
chrX	129104601	129105600	Down	-1.05	5.11E-05	0.006354	Intergenic	
chr5	136172601	136173700	Down	-1.05	5.47E-05	0.006682	Intergenic	
chr16	20746301	20749200	Down	-1.05	6.03E-05	0.007139	Intergenic	
chr17	49597501	49598600	Down	-1.05	6.84E-05	0.007814	Intergenic	
chrX	129488401	129492200	Down	-1.05	7.18E-05	0.008085	Intergenic	
chr17	96405501	96407400	Down	-1.05	8.12E-05	0.008773	Intergenic	
chrX	103086701	103087700	Down	-1.05	8.25E-05	0.008887	Intergenic	
chr9	1846101	1847100	Down	-1.05	8.54E-05	0.009091	Intergenic	
chr20	38563801	38564800	Down	-1.05	9.47E-05	0.009711	Intergenic	
chr1	50856401	50857700	Down	-1.05	0.000105	0.010495	Intergenic	
chrX	129477701	129478900	Down	-1.05	0.000124	0.012302	Intergenic	
chr2	177100401	177102100	Down	-1.05	0.00019	0.018432	Intergenic	
chr16	27669101	27670200	Down	-1.05	0.000205	0.019825	Intergenic	
chr16	20774001	20775200	Down	-1.05	0.000207	0.020023	Intergenic	
chr6	139362201	139363500	Down	-1.05	0.00045	0.042595	Intergenic	
chr9	1084701	1085700	Ddr2	Down	-1.06	1.86E-06	0.000575	Genebody
chr5	149582801	149584300	LOC68138	Down	-1.06	2.12E-05	0.003407	Genebody
chr15	5096901	5097900	LOC30030	Down	-1.06	3.00E-05	0.004331	Genebody
chr17	57966201	57968100	Down	-1.06	4.16E-07	0.000232	Intergenic	
chr16	21485301	21488600	Down	-1.06	9.73E-07	0.000383	Intergenic	
chrX	130467701	130471700	Down	-1.06	1.31E-06	0.000461	Intergenic	
chr2	154372101	154373700	Down	-1.06	1.60E-06	0.000527	Intergenic	
chr16	21161301	21166800	Down	-1.06	2.03E-06	0.00061	Intergenic	
chr15	87016101	87017600	Down	-1.06	2.06E-06	0.000618	Intergenic	
chr15	27951001	27952200	Down	-1.06	2.62E-06	0.000722	Intergenic	
chr7	18794301	18795500	Down	-1.06	2.82E-06	0.000763	Intergenic	
chr9	8076101	8078500	Down	-1.06	2.89E-06	0.00078	Intergenic	
chr6	139083301	139085100	Down	-1.06	2.91E-06	0.000781	Intergenic	
chr4	57811901	57813400	Down	-1.06	3.30E-06	0.000859	Intergenic	
chr7	210301	211400	Down	-1.06	4.21E-06	0.001022	Intergenic	
chr13	28214501	28216300	Down	-1.06	4.81E-06	0.001123	Intergenic	
chr16	21398601	21399600	Down	-1.06	1.07E-05	0.002058	Intergenic	
chr2	177601	179700	Down	-1.06	2.43E-05	0.003755	Intergenic	
chr16	21245701	21246700	Down	-1.06	3.14E-05	0.004483	Intergenic	
chr16	27211201	27212200	Down	-1.06	3.17E-05	0.004508	Intergenic	
chr16	85932501	85933900	Down	-1.06	3.78E-05	0.005132	Intergenic	
chr8	107923901	107925000	Down	-1.06	3.80E-05	0.005159	Intergenic	
chr11	84494601	84495600	Down	-1.06	4.79E-05	0.006087	Intergenic	



chr1	51391701	51392700		Down	-1.06	5.78E-05	0.006944	Intergenic
chr16	21282201	21283200		Down	-1.06	6.61E-05	0.007635	Intergenic
chr1	51432001	51433000		Down	-1.06	9.25E-05	0.00957	Intergenic
chr2	181920001	181921900		Down	-1.06	0.000132	0.013011	Intergenic
chr19	24108501	24109600		Down	-1.06	0.000156	0.015309	Intergenic
chr10	56729401	56730400	Dpf3	Down	-1.07	1.51E-05	0.002641	Genebody
chr11	34951501	34952500	Sult1c2a	Down	-1.07	3.70E-05	0.005079	Genebody
chr11	82735301	82736300	Hmga2	Down	-1.07	8.85E-05	0.00929	Genebody
chr6	139028901	139031300		Down	-1.07	1.06E-06	0.000403	Intergenic
chr6	139814201	139817900		Down	-1.07	1.99E-06	0.000601	Intergenic
chr16	31165401	31166700		Down	-1.07	2.10E-06	0.000624	Intergenic
chr16	20453301	20455300		Down	-1.07	2.19E-06	0.000642	Intergenic
chr7	677501	681000		Down	-1.07	4.13E-06	0.001006	Intergenic
chr20	36942801	36944100		Down	-1.07	4.16E-06	0.001014	Intergenic
chrX	130279701	130284000		Down	-1.07	4.97E-06	0.001146	Intergenic
chr1	112609901	112611200		Down	-1.07	1.03E-05	0.002004	Intergenic
chr13	30624901	30626100		Down	-1.07	1.32E-05	0.002377	Intergenic
chr16	31144701	31146500		Down	-1.07	1.66E-05	0.002841	Intergenic
chr2	30945201	30946200		Down	-1.07	3.43E-05	0.004789	Intergenic
chr13	19117801	19119200		Down	-1.07	3.47E-05	0.004826	Intergenic
chr3	138147601	138148600		Down	-1.07	3.57E-05	0.004923	Intergenic
chr4	161214101	161215200		Down	-1.07	3.59E-05	0.004946	Intergenic
chr10	66037801	66038800		Down	-1.07	5.04E-05	0.006287	Intergenic
chr1	37018001	37019000		Down	-1.07	5.53E-05	0.006733	Intergenic
chr7	18707501	18708500		Down	-1.07	5.97E-05	0.007093	Intergenic
chrX	130055301	130056300		Down	-1.07	6.01E-05	0.007123	Intergenic
chr20	13710501	13711500		Down	-1.07	7.67E-05	0.008422	Intergenic
chr1	232805001	232806000		Down	-1.07	9.23E-05	0.009562	Intergenic
chr18	21620901	21622000		Down	-1.07	0.00014	0.01376	Intergenic
chr13	69172201	69173300		Down	-1.07	0.000185	0.018008	Intergenic
chr17	3884601	3886500		Down	-1.07	0.000205	0.019859	Intergenic
chr1	34475501	34476700		Down	-1.07	0.000306	0.029129	Intergenic
chr20	34901101	34902200	Skap2	Down	-1.08	1.32E-05	0.00238	3k promote
chr10	57869801	57870800	Ephb1	Down	-1.08	6.71E-06	0.001445	Genebody
chr16	4934001	4935500	Spetex-2D	Down	-1.08	2.60E-05	0.003905	Genebody
chr14	7808901	7810100	Cyp2c7	Down	-1.08	9.43E-05	0.009684	Genebody
chr1	50962701	50964900		Down	-1.08	1.42E-07	0.000119	Intergenic
chr1	50166701	50168400		Down	-1.08	3.59E-07	0.000214	Intergenic
chr2	1277001	1278800		Down	-1.08	3.93E-07	0.000226	Intergenic
chr16	37886701	37890900		Down	-1.08	8.52E-07	0.000349	Intergenic
chr6	139818201	139820000		Down	-1.08	1.09E-06	0.00041	Intergenic
chr16	21460001	21462500		Down	-1.08	1.10E-06	0.000412	Intergenic
chr6	139793001	139796900		Down	-1.08	1.11E-06	0.000413	Intergenic
chr16	21138601	21140900		Down	-1.08	1.28E-06	0.000456	Intergenic
chr16	21627901	21631200		Down	-1.08	1.57E-06	0.000521	Intergenic
chr1	51403801	51405600		Down	-1.08	1.76E-06	0.000563	Intergenic
chr6	139531901	139534300		Down	-1.08	3.62E-06	0.00092	Intergenic
chr4	57750801	57752300		Down	-1.08	3.74E-06	0.000939	Intergenic

chr17	49606401	49607600		Down	-1.08	4.82E-06	0.001123	Intergenic
chrX	130232401	130235100		Down	-1.08	6.27E-06	0.001366	Intergenic
chr16	31129001	31130200		Down	-1.08	8.09E-06	0.001665	Intergenic
chr6	139334601	139336500		Down	-1.08	1.87E-05	0.003091	Intergenic
chr1	51409501	51410500		Down	-1.08	1.98E-05	0.00322	Intergenic
chr16	68715601	68716600		Down	-1.08	2.18E-05	0.003469	Intergenic
chr16	22104201	22105900		Down	-1.08	2.96E-05	0.004305	Intergenic
chr1	47862901	47864000		Down	-1.08	3.15E-05	0.004499	Intergenic
chr1	52363601	52364800		Down	-1.08	3.20E-05	0.004541	Intergenic
chr1	26990501	26991500		Down	-1.08	3.75E-05	0.005112	Intergenic
chrX	130293001	130294600		Down	-1.08	4.39E-05	0.005733	Intergenic
chr13	109221301	109222700		Down	-1.08	4.54E-05	0.005858	Intergenic
chr2	197401	198400		Down	-1.08	5.43E-05	0.006635	Intergenic
chr17	49583701	49585400		Down	-1.08	6.02E-05	0.007128	Intergenic
chr15	83452401	83453400		Down	-1.08	6.45E-05	0.007497	Intergenic
chr4	186217801	186219200		Down	-1.08	0.000137	0.013501	Intergenic
chr3	98208501	98209700	Ptprc	Down	-1.09	2.96E-06	0.000792	Genebody
chr1	243960901	243961900	Sult1c2a	Down	-1.09	4.56E-05	0.005878	Genebody
chr1	251769801	251770800	Ube2d1	Down	-1.09	0.000486	0.04591	Genebody
chr16	20907101	20908400		Down	-1.09	3.65E-07	0.000215	Intergenic
chr20	279501	281400		Down	-1.09	5.26E-07	0.000265	Intergenic
chr6	138930001	138931400		Down	-1.09	6.42E-07	0.000293	Intergenic
chr6	139481101	139483300		Down	-1.09	1.20E-06	0.000439	Intergenic
chrX	129362001	129363400		Down	-1.09	1.23E-06	0.000446	Intergenic
chr6	139310101	139311200		Down	-1.09	1.88E-06	0.000578	Intergenic
chr16	21438501	21441300		Down	-1.09	2.06E-06	0.000618	Intergenic
chr15	99255101	99257000		Down	-1.09	3.16E-06	0.000832	Intergenic
chr5	123713901	123715400		Down	-1.09	4.54E-06	0.00108	Intergenic
chr6	122484901	122486400		Down	-1.09	5.10E-06	0.001171	Intergenic
chrX	128908701	128912900		Down	-1.09	5.10E-06	0.001171	Intergenic
chrX	129492401	129494600		Down	-1.09	5.21E-06	0.001191	Intergenic
chr19	8796001	8797800		Down	-1.09	9.65E-06	0.001916	Intergenic
chr14	96512701	96514600		Down	-1.09	1.11E-05	0.002115	Intergenic
chr1	104880301	104881500		Down	-1.09	1.14E-05	0.002148	Intergenic
chr13	96545101	96546200		Down	-1.09	1.40E-05	0.002491	Intergenic
chr17	49629001	49630000		Down	-1.09	1.92E-05	0.003137	Intergenic
chrX	128943901	128946100		Down	-1.09	1.92E-05	0.003137	Intergenic
chrX	129774001	129775000		Down	-1.09	3.40E-05	0.004757	Intergenic
chr20	11103601	11104600		Down	-1.09	3.89E-05	0.005249	Intergenic
chr1	51632101	51633100		Down	-1.09	3.95E-05	0.005304	Intergenic
chr2	1285001	1286200		Down	-1.09	4.48E-05	0.00582	Intergenic
chrX	107352201	107353200		Down	-1.09	6.41E-05	0.007471	Intergenic
chr1	242103101	242104100		Down	-1.09	7.63E-05	0.008399	Intergenic
chr16	27826501	27827500		Down	-1.09	9.23E-05	0.009563	Intergenic
chrX	129782501	129783900		Down	-1.09	0.000127	0.012516	Intergenic
chr2	1113201	1114300		Down	-1.09	0.000148	0.01451	Intergenic
chr1	51482601	51483700		Down	-1.09	0.000496	0.046804	Intergenic
chr1	170283701	170285600	Rtkn2	Down	-1.1	3.57E-06	0.000909	Genebody

chr11	83251601	83253500	Spetex-2H	Down	-1.1	6.34E-05	0.007408	Genebody
chr3	89810001	89811000	Acap1	Down	-1.1	7.22E-05	0.008115	Genebody
chr9	73267101	73268300	Xpr1	Down	-1.1	0.000164	0.015996	Genebody
chr6	139079801	139081400		Down	-1.1	3.48E-07	0.000212	Intergenic
chr16	22099101	22101500		Down	-1.1	4.35E-07	0.000239	Intergenic
chr16	30943701	30945800		Down	-1.1	4.89E-07	0.000253	Intergenic
chr1	175421601	175422900		Down	-1.1	5.49E-07	0.000272	Intergenic
chrX	128895601	128898000		Down	-1.1	1.44E-06	0.00049	Intergenic
chr2	186001	188700		Down	-1.1	1.54E-06	0.000515	Intergenic
chr17	49571401	49574600		Down	-1.1	1.77E-06	0.000564	Intergenic
chr6	103972401	103973800		Down	-1.1	1.94E-06	0.000591	Intergenic
chrX	129151101	129153300		Down	-1.1	2.70E-06	0.000739	Intergenic
chr15	4763001	4764000		Down	-1.1	4.31E-06	0.001037	Intergenic
chrX	130286101	130288800		Down	-1.1	5.07E-06	0.001166	Intergenic
chr10	12340501	12341500		Down	-1.1	1.36E-05	0.002425	Intergenic
chrX	130289101	130292200		Down	-1.1	1.89E-05	0.003109	Intergenic
chr6	138911901	138913400		Down	-1.1	3.49E-05	0.004854	Intergenic
chr1	51303101	51304300		Down	-1.1	4.41E-05	0.005746	Intergenic
chrX	129123201	129124200		Down	-1.1	4.49E-05	0.005822	Intergenic
chr2	52764501	52765500		Down	-1.1	4.53E-05	0.00585	Intergenic
chr8	42098901	42099900		Down	-1.1	4.75E-05	0.006053	Intergenic
chrX	129062201	129063200		Down	-1.1	5.53E-05	0.006733	Intergenic
chr1	199097501	199098500		Down	-1.1	5.83E-05	0.006977	Intergenic
chr14	96482301	96483300		Down	-1.1	6.21E-05	0.007298	Intergenic
chr16	21993701	21995300		Down	-1.1	6.25E-05	0.007335	Intergenic
chr6	140045301	140046300		Down	-1.1	6.96E-05	0.007904	Intergenic
chr20	36965701	36966700		Down	-1.1	7.85E-05	0.008543	Intergenic
chrX	130276801	130279100		Down	-1.1	8.66E-05	0.009178	Intergenic
chr16	21089801	21091100		Down	-1.1	8.87E-05	0.009303	Intergenic
chr10	2317801	2318800		Down	-1.1	9.05E-05	0.00945	Intergenic
chr9	57386801	57387800	Apba1	Down	-1.11	2.15E-05	0.003433	3k promote
chr8	66064301	66065400	Ywhae	Down	-1.11	1.25E-05	0.002289	Genebody
chr7	75005801	75006800	Dyrk1a	Down	-1.11	1.28E-05	0.002337	Genebody
chr20	29228501	29229600	Ramp1	Down	-1.11	1.31E-05	0.002368	Genebody
chr14	90107501	90108500	Trafd1	Down	-1.11	2.84E-05	0.004175	Genebody
chr14	36043501	36044500	Abcc5	Down	-1.11	7.03E-05	0.007956	Genebody
chr9	43256401	43257900	Nup88	Down	-1.11	8.35E-05	0.008958	Genebody
chr14	87168501	87169500	Tns1	Down	-1.11	0.00018	0.017542	Genebody
chr16	21241601	21243500		Down	-1.11	2.51E-07	0.000175	Intergenic
chr5	7052601	7054500		Down	-1.11	6.39E-07	0.000293	Intergenic
chrX	129310101	129314600		Down	-1.11	1.29E-06	0.000456	Intergenic
chr13	10880401	10881500		Down	-1.11	1.86E-06	0.000575	Intergenic
chr17	49563101	49566500		Down	-1.11	2.22E-06	0.000648	Intergenic
chr1	92207101	92208100		Down	-1.11	3.68E-06	0.000932	Intergenic
chr1	243641201	243643700		Down	-1.11	5.63E-06	0.001261	Intergenic
chr16	34050601	34052500		Down	-1.11	6.28E-06	0.001368	Intergenic
chrX	129648101	129649300		Down	-1.11	7.34E-06	0.001539	Intergenic
chrX	129871501	129873300		Down	-1.11	8.35E-06	0.001704	Intergenic

chr16	22045701	22046900	Down	-1.11	8.57E-06	0.001741	Intergenic	
chr16	20652901	20653900	Down	-1.11	1.00E-05	0.00197	Intergenic	
chr14	49523901	49525700	Down	-1.11	1.26E-05	0.002302	Intergenic	
chr6	139273301	139274900	Down	-1.11	1.39E-05	0.002477	Intergenic	
chrX	129827701	129828800	Down	-1.11	1.76E-05	0.002956	Intergenic	
chr10	396701	397700	Down	-1.11	2.40E-05	0.003728	Intergenic	
chr9	21863601	21864600	Down	-1.11	3.15E-05	0.004498	Intergenic	
chr7	121413101	121414100	Down	-1.11	3.27E-05	0.004635	Intergenic	
chrX	130311601	130314800	Down	-1.11	4.39E-05	0.005726	Intergenic	
chr16	21355001	21356700	Down	-1.11	4.60E-05	0.005908	Intergenic	
chr16	20828801	20831200	Down	-1.11	5.39E-05	0.006598	Intergenic	
chr1	48307901	48309000	Down	-1.11	5.63E-05	0.006808	Intergenic	
chr7	17406901	17407900	Down	-1.11	6.26E-05	0.007337	Intergenic	
chr10	3292301	3294200	Down	-1.11	7.21E-05	0.00811	Intergenic	
chr6	131636001	131637000	Down	-1.11	9.36E-05	0.009624	Intergenic	
chr14	48771601	48772600	Down	-1.11	9.54E-05	0.009743	Intergenic	
chr1	123000301	123001400	Down	-1.11	0.000101	0.010188	Intergenic	
chr5	7212801	7214400	Down	-1.11	0.000279	0.02667	Intergenic	
chr1	74944201	74945200	Kif23	Down	-1.12	6.38E-06	0.001388	Genebody
chr13	70253301	70254300	Cyp2c7	Down	-1.12	3.92E-05	0.005273	Genebody
chr12	35160901	35161900	Arl3	Down	-1.12	9.44E-05	0.009692	Genebody
chr6	139521001	139522800	Down	-1.12	4.13E-07	0.000232	Intergenic	
chr1	75521901	75523800	Down	-1.12	5.46E-07	0.000272	Intergenic	
chr6	138926201	138927200	Down	-1.12	6.64E-07	0.000299	Intergenic	
chr16	20626801	20629600	Down	-1.12	1.40E-06	0.000481	Intergenic	
chr2	52043801	52045300	Down	-1.12	1.42E-06	0.000483	Intergenic	
chr16	21280601	21281800	Down	-1.12	1.46E-06	0.000494	Intergenic	
chrX	128864301	128866200	Down	-1.12	1.84E-06	0.000571	Intergenic	
chr2	209524101	209526000	Down	-1.12	2.52E-06	0.000705	Intergenic	
chr2	1290601	1291900	Down	-1.12	2.81E-06	0.000763	Intergenic	
chr6	124706801	124708700	Down	-1.12	3.55E-06	0.000906	Intergenic	
chr10	51161601	51162600	Down	-1.12	5.39E-06	0.001218	Intergenic	
chr17	49602501	49605700	Down	-1.12	5.50E-06	0.001236	Intergenic	
chr10	392701	393700	Down	-1.12	6.18E-06	0.00135	Intergenic	
chr10	34148001	34149100	Down	-1.12	6.73E-06	0.001448	Intergenic	
chr2	154304401	154305800	Down	-1.12	7.18E-06	0.001517	Intergenic	
chr2	558801	561900	Down	-1.12	9.15E-06	0.001837	Intergenic	
chr10	83464001	83465400	Down	-1.12	1.09E-05	0.002089	Intergenic	
chr2	183501501	183505100	Down	-1.12	1.49E-05	0.002618	Intergenic	
chr18	38831701	38835100	Down	-1.12	1.96E-05	0.003192	Intergenic	
chr13	95447801	95449300	Down	-1.12	2.24E-05	0.003545	Intergenic	
chr10	99666001	99667100	Down	-1.12	2.97E-05	0.004317	Intergenic	
chr14	49704301	49705500	Down	-1.12	2.99E-05	0.004331	Intergenic	
chr14	49275901	49276900	Down	-1.12	3.36E-05	0.004706	Intergenic	
chr18	4137801	4138800	Down	-1.12	3.93E-05	0.005288	Intergenic	
chr4	139441801	139442800	Down	-1.12	3.99E-05	0.005336	Intergenic	
chr1	103221401	103222400	Down	-1.12	5.61E-05	0.006803	Intergenic	
chr15	13792001	13793900	Down	-1.12	6.74E-05	0.007742	Intergenic	

chr15	70292701	70293700		Down	-1.12	8.25E-05	0.008887	Intergenic
chr17	49383101	49386500		Down	-1.12	0.00012	0.011861	Intergenic
chr17	49550201	49553200		Down	-1.12	0.000125	0.012382	Intergenic
chr4	80302101	80303300	Mrps12	Down	-1.13	7.43E-05	0.008255	3k promote
chr15	6017101	6018200	Hipk3	Down	-1.13	3.73E-06	0.000938	Genebody
chr7	131819001	131820000	Spetex-2H	Down	-1.13	3.47E-05	0.004826	Genebody
chr6	139330501	139331800		Down	-1.13	2.15E-07	0.000161	Intergenic
chr4	16289701	16291600		Down	-1.13	4.14E-07	0.000232	Intergenic
chr6	138909601	138911600		Down	-1.13	1.80E-06	0.000568	Intergenic
chr1	112619701	112620900		Down	-1.13	1.80E-06	0.000568	Intergenic
chr17	49622401	49624300		Down	-1.13	1.83E-06	0.000571	Intergenic
chr16	21369401	21371200		Down	-1.13	1.87E-06	0.000576	Intergenic
chr14	48755701	48758200		Down	-1.13	2.07E-06	0.000619	Intergenic
chr2	683401	688900		Down	-1.13	3.33E-06	0.000865	Intergenic
chr16	21492101	21496000		Down	-1.13	3.95E-06	0.000974	Intergenic
chr16	30946601	30947800		Down	-1.13	4.10E-06	0.001002	Intergenic
chr17	49607701	49609900		Down	-1.13	9.01E-06	0.001813	Intergenic
chr17	33464901	33466100		Down	-1.13	1.05E-05	0.002035	Intergenic
chr1	48373801	48374900		Down	-1.13	1.17E-05	0.002189	Intergenic
chr17	16699801	16700800		Down	-1.13	1.34E-05	0.002408	Intergenic
chr16	70330601	70331600		Down	-1.13	1.59E-05	0.002748	Intergenic
chr2	1398701	1402000		Down	-1.13	1.76E-05	0.002961	Intergenic
chr6	139555301	139556400		Down	-1.13	2.44E-05	0.003761	Intergenic
chr6	139313901	139315800		Down	-1.13	3.31E-05	0.004661	Intergenic
chr7	5938201	5939400		Down	-1.13	3.44E-05	0.004806	Intergenic
chr9	813701	814700		Down	-1.13	4.26E-05	0.005608	Intergenic
chr16	27602201	27603400		Down	-1.13	6.11E-05	0.007206	Intergenic
chr17	69890101	69891100		Down	-1.13	9.21E-05	0.009562	Intergenic
chr5	140347201	140348200		Down	-1.13	9.48E-05	0.009717	Intergenic
chr4	160340101	160341100		Down	-1.13	9.94E-05	0.010033	Intergenic
chr1	250919401	250920400		Down	-1.13	9.98E-05	0.010051	Intergenic
chr1	243622201	243623900		Down	-1.13	9.99E-05	0.010053	Intergenic
chr6	139781701	139783400		Down	-1.13	0.000308	0.029383	Intergenic
chr1	227108001	227109300	Trim8	Down	-1.14	1.61E-05	0.002778	3k promote
chr13	77735601	77736600	Rims2	Down	-1.14	6.05E-06	0.00133	Genebody
chr18	5914201	5915200	Abca13	Down	-1.14	2.85E-05	0.00418	Genebody
chr1	153747001	153748000	Fip1l1	Down	-1.14	8.24E-05	0.008887	Genebody
chr2	5501	7900		Down	-1.14	5.37E-07	0.000269	Intergenic
chr6	139300901	139302600		Down	-1.14	6.91E-07	0.000305	Intergenic
chr5	171180301	171181800		Down	-1.14	9.93E-07	0.000388	Intergenic
chr6	139414601	139417500		Down	-1.14	1.10E-06	0.000412	Intergenic
chr16	21316801	21319500		Down	-1.14	1.84E-06	0.000571	Intergenic
chr6	139859401	139863000		Down	-1.14	1.94E-06	0.000591	Intergenic
chr5	127154601	127155700		Down	-1.14	2.96E-06	0.000792	Intergenic
chrX	129663501	129664900		Down	-1.14	3.36E-06	0.000871	Intergenic
chr1	73381301	73382600		Down	-1.14	5.49E-06	0.001236	Intergenic
chr16	21684301	21686200		Down	-1.14	8.17E-06	0.001674	Intergenic
chr18	3939001	3940300		Down	-1.14	9.03E-06	0.001815	Intergenic

chr4	57821701	57823700		Down	-1.14	1.23E-05	0.002262	Intergenic
chr10	102433401	102434400		Down	-1.14	1.73E-05	0.00293	Intergenic
chr20	38396701	38398600		Down	-1.14	2.11E-05	0.003384	Intergenic
chrX	130270001	130271800		Down	-1.14	2.45E-05	0.003773	Intergenic
chrX	130338401	130340000		Down	-1.14	2.69E-05	0.004008	Intergenic
chr1	50425901	50427000		Down	-1.14	2.93E-05	0.004269	Intergenic
chr6	139239401	139240900		Down	-1.14	3.19E-05	0.00453	Intergenic
chr17	49636601	49637700		Down	-1.14	3.36E-05	0.004713	Intergenic
chr2	210792701	210794600		Down	-1.14	4.68E-05	0.005985	Intergenic
chr16	21620301	21621700		Down	-1.14	6.83E-05	0.007808	Intergenic
chr16	27857201	27858200		Down	-1.14	8.09E-05	0.008753	Intergenic
chr7	16876201	16877200		Down	-1.14	9.03E-05	0.009438	Intergenic
chr15	88435101	88436100		Down	-1.14	9.27E-05	0.009575	Intergenic
chr6	139271101	139272800		Down	-1.14	0.000118	0.011721	Intergenic
chr20	24144701	24146600		Down	-1.14	0.000149	0.014572	Intergenic
chr18	38809901	38811700		Down	-1.14	0.000196	0.019006	Intergenic
chr2	1395101	1396800		Down	-1.14	0.000214	0.020678	Intergenic
chr1	83845701	83846700	Olr1	Down	-1.15	2.07E-06	0.000619	3k promote
chr12	36304501	36305600	Cyp2c7	Down	-1.15	8.55E-07	0.000349	Genebody
chr15	2025201	2026400	Slc12a6	Down	-1.15	6.95E-06	0.001485	Genebody
chr13	70260201	70261200	Ppia	Down	-1.15	2.88E-05	0.004215	Genebody
chr15	5978501	5979500	Ercc5	Down	-1.15	4.27E-05	0.005615	Genebody
chr13	44365801	44366800	Sult2a2	Down	-1.15	5.67E-05	0.006837	Genebody
chr4	111615601	111618200	Xpr1	Down	-1.15	5.82E-05	0.006967	Genebody
chr1	51462801	51465800		Down	-1.15	6.08E-07	0.000285	Intergenic
chrX	129010101	129011700		Down	-1.15	6.06E-07	0.000285	Intergenic
chr5	138053301	138055000		Down	-1.15	6.41E-07	0.000293	Intergenic
chr16	64929301	64931200		Down	-1.15	6.48E-07	0.000295	Intergenic
chr9	7022201	7024100		Down	-1.15	6.57E-07	0.000297	Intergenic
chr19	32017101	32019100		Down	-1.15	7.70E-07	0.000327	Intergenic
chr4	57807501	57811400		Down	-1.15	1.16E-06	0.000427	Intergenic
chrX	130530001	130532500		Down	-1.15	1.36E-06	0.000471	Intergenic
chrX	128913301	128916200		Down	-1.15	1.72E-06	0.000555	Intergenic
chr6	139323301	139328100		Down	-1.15	1.79E-06	0.000568	Intergenic
chr1	52526701	52528500		Down	-1.15	1.86E-06	0.000575	Intergenic
chr8	42241301	42242800		Down	-1.15	4.42E-06	0.001058	Intergenic
chr16	22088801	22089800		Down	-1.15	5.46E-06	0.001232	Intergenic
chr6	139486901	139488800		Down	-1.15	1.16E-05	0.002176	Intergenic
chr17	77450401	77451400		Down	-1.15	1.43E-05	0.002534	Intergenic
chrX	129768701	129773200		Down	-1.15	1.65E-05	0.002825	Intergenic
chr18	20109101	20110200		Down	-1.15	1.84E-05	0.003056	Intergenic
chr1	191883101	191884300		Down	-1.15	2.30E-05	0.003607	Intergenic
chr1	48193101	48194100		Down	-1.15	2.51E-05	0.003833	Intergenic
chrX	129236201	129237500		Down	-1.15	2.52E-05	0.003834	Intergenic
chrX	129004501	129009600		Down	-1.15	2.89E-05	0.004232	Intergenic
chr8	96262301	96263600		Down	-1.15	4.17E-05	0.005527	Intergenic
chr16	27919301	27920300		Down	-1.15	4.30E-05	0.005649	Intergenic
chr8	42083701	42089100		Down	-1.15	4.66E-05	0.005968	Intergenic

chr16	21448701	21449700	Down	-1.15	6.16E-05	0.007254	Intergenic	
chr15	89232501	89233500	Down	-1.15	7.15E-05	0.008062	Intergenic	
chr1	47727901	47728900	Down	-1.15	7.97E-05	0.008642	Intergenic	
chr6	138989701	138990800	Down	-1.15	9.01E-05	0.009421	Intergenic	
chrX	51494001	51495000	Down	-1.15	9.71E-05	0.00986	Intergenic	
chr1	191884401	191886100	Down	-1.15	0.0001	0.010062	Intergenic	
chrX	130298601	130300100	Down	-1.15	0.000127	0.012534	Intergenic	
chr20	37984501	37986300	Down	-1.15	0.00041	0.038844	Intergenic	
chr20	5049601	5050600	ift81	Down	-1.16	2.64E-05	0.003956	Genebody
chr19	12066301	12067600	Cbfa2t3	Down	-1.16	4.97E-05	0.006228	Genebody
chr15	5606201	5607200	Yaf2	Down	-1.16	9.04E-05	0.009443	Genebody
chr12	46776601	46778500		Down	-1.16	9.09E-08	8.18E-05	Intergenic
chr20	38251201	38253100		Down	-1.16	3.18E-07	0.000202	Intergenic
chr16	27640401	27642500		Down	-1.16	4.20E-07	0.000233	Intergenic
chr6	139502201	139504600		Down	-1.16	5.63E-07	0.000275	Intergenic
chr1	50341501	50343100		Down	-1.16	6.87E-07	0.000304	Intergenic
chr17	49431401	49433300		Down	-1.16	7.82E-07	0.00033	Intergenic
chr1	50956701	50957900		Down	-1.16	8.10E-07	0.000338	Intergenic
chr6	138879401	138881200		Down	-1.16	8.63E-07	0.000351	Intergenic
chr5	128373001	128374500		Down	-1.16	9.99E-07	0.000389	Intergenic
chr6	138774101	138775800		Down	-1.16	1.00E-06	0.00039	Intergenic
chr16	21135301	21137300		Down	-1.16	1.24E-06	0.000447	Intergenic
chr16	37880001	37886200		Down	-1.16	1.24E-06	0.000447	Intergenic
chr6	139524701	139526600		Down	-1.16	1.35E-06	0.00047	Intergenic
chr7	3340901	3345700		Down	-1.16	1.61E-06	0.000528	Intergenic
chr1	243613001	243614600		Down	-1.16	1.74E-06	0.000559	Intergenic
chr16	20868901	20871800		Down	-1.16	1.95E-06	0.000592	Intergenic
chr6	139764401	139769000		Down	-1.16	2.08E-06	0.00062	Intergenic
chr16	21271301	21274000		Down	-1.16	3.01E-06	0.000802	Intergenic
chr18	85662701	85663700		Down	-1.16	3.09E-06	0.000815	Intergenic
chr17	50047401	50049000		Down	-1.16	5.96E-06	0.001318	Intergenic
chr1	51550901	51552100		Down	-1.16	6.32E-06	0.001376	Intergenic
chr14	103137301	103138800		Down	-1.16	7.65E-06	0.001594	Intergenic
chrX	129064301	129072100		Down	-1.16	8.50E-06	0.001732	Intergenic
chrX	130332701	130338300		Down	-1.16	1.03E-05	0.00201	Intergenic
chr3	63421701	63422700		Down	-1.16	1.14E-05	0.002146	Intergenic
chr1	50394201	50395400		Down	-1.16	1.25E-05	0.002296	Intergenic
chr3	90217501	90218900		Down	-1.16	1.42E-05	0.002521	Intergenic
chr1	188268601	188269600		Down	-1.16	2.37E-05	0.003684	Intergenic
chrX	129479001	129480200		Down	-1.16	2.62E-05	0.00393	Intergenic
chr1	111375201	111376300		Down	-1.16	2.74E-05	0.004067	Intergenic
chr1	51466001	51467000		Down	-1.16	2.87E-05	0.004207	Intergenic
chr4	28888901	28890100		Down	-1.16	2.98E-05	0.004325	Intergenic
chr6	139410801	139412500		Down	-1.16	3.72E-05	0.005086	Intergenic
chr10	29081101	29083500		Down	-1.16	4.08E-05	0.005428	Intergenic
chr1	93535201	93536200		Down	-1.16	4.14E-05	0.005495	Intergenic
chr14	49678901	49679900		Down	-1.16	4.55E-05	0.005872	Intergenic
chr2	52018101	52019100		Down	-1.16	5.05E-05	0.006294	Intergenic

chr6	139774501	139775800		Down	-1.16	5.18E-05	0.006414	Intergenic
chr14	101270601	101271700		Down	-1.16	5.31E-05	0.006524	Intergenic
chrX	34562101	34564400		Down	-1.16	6.14E-05	0.007226	Intergenic
chr1	52365101	52366100		Down	-1.16	6.93E-05	0.007885	Intergenic
chr6	91380001	91381800		Down	-1.16	8.53E-05	0.009088	Intergenic
chrX	22883201	22884700		Down	-1.16	8.68E-05	0.009183	Intergenic
chr6	139057601	139059100		Down	-1.16	0.000106	0.010625	Intergenic
chr1	74986201	74987200	Mybpc1	Down	-1.17	2.54E-05	0.003849	Genebody
chr14	61713501	61714500	Dnm3	Down	-1.17	5.70E-05	0.006866	Genebody
chr18	77333401	77334400	Ss18	Down	-1.17	6.71E-05	0.007717	Genebody
chr15	4986801	4987800	Odz4	Down	-1.17	9.52E-05	0.009739	Genebody
chr1	51873301	51875000		Down	-1.17	5.87E-07	0.00028	Intergenic
chr16	20775801	20776900		Down	-1.17	6.43E-07	0.000293	Intergenic
chr15	109392601	109394500		Down	-1.17	1.08E-06	0.000406	Intergenic
chr1	47853501	47854700		Down	-1.17	2.90E-06	0.000781	Intergenic
chr17	72450201	72451800		Down	-1.17	3.15E-06	0.000829	Intergenic
chr1	52390301	52391500		Down	-1.17	5.17E-06	0.001184	Intergenic
chrX	128935301	128943300		Down	-1.17	7.23E-06	0.001525	Intergenic
chr10	37190701	37192600		Down	-1.17	9.66E-06	0.001916	Intergenic
chr6	139017301	139018400		Down	-1.17	1.21E-05	0.002237	Intergenic
chr6	138892501	138894300		Down	-1.17	1.29E-05	0.002342	Intergenic
chr1	383701	385400		Down	-1.17	1.55E-05	0.002698	Intergenic
chr1	52813101	52814400		Down	-1.17	1.70E-05	0.002892	Intergenic
chr7	18511101	18512100		Down	-1.17	1.77E-05	0.002973	Intergenic
chr20	9981901	9983100		Down	-1.17	2.52E-05	0.003834	Intergenic
chr1	243644001	243645000		Down	-1.17	3.62E-05	0.004977	Intergenic
chr8	41728901	41729900		Down	-1.17	3.98E-05	0.005333	Intergenic
chr7	99478501	99479500		Down	-1.17	5.00E-05	0.006254	Intergenic
chr5	128408901	128411300		Down	-1.17	5.91E-05	0.007053	Intergenic
chrX	92007701	92009600		Down	-1.17	6.60E-05	0.007627	Intergenic
chr16	21206201	21207200		Down	-1.17	9.10E-05	0.009475	Intergenic
chr2	154387601	154388600		Down	-1.17	9.68E-05	0.009838	Intergenic
chr16	31433601	31434800		Down	-1.17	0.000177	0.017275	Intergenic
chr20	38243601	38244900		Down	-1.17	0.000205	0.019829	Intergenic
chr16	27219901	27221400		Down	-1.17	0.000237	0.022843	Intergenic
chr6	139498901	139500100		Down	-1.17	0.000393	0.03729	Intergenic
chr1	251721401	251722400	Polb	Down	-1.18	3.61E-05	0.004964	3k promote
chr9	1035701	1037000	Spetex-2H	Down	-1.18	3.32E-07	0.000208	Genebody
chr1	225051301	225052700	Spetex-2H	Down	-1.18	2.43E-06	0.000686	Genebody
chr10	64073601	64074700	Phf12	Down	-1.18	1.33E-05	0.002406	Genebody
chr1	48459201	48461700		Down	-1.18	1.54E-07	0.000127	Intergenic
chr20	39718301	39720200		Down	-1.18	3.46E-07	0.000211	Intergenic
chr16	21431601	21433900		Down	-1.18	3.63E-07	0.000215	Intergenic
chr16	37891701	37896400		Down	-1.18	4.36E-07	0.000239	Intergenic
chr16	21446401	21448400		Down	-1.18	5.63E-07	0.000275	Intergenic
chr19	57007701	57008700		Down	-1.18	6.87E-07	0.000304	Intergenic
chr6	139500201	139501900		Down	-1.18	7.78E-07	0.000329	Intergenic
chr6	139704201	139706100		Down	-1.18	7.79E-07	0.000329	Intergenic



chr16	21635601	21637900	Down	-1.18	1.21E-06	0.000442	Intergenic	
chrX	130092501	130094100	Down	-1.18	1.24E-06	0.000447	Intergenic	
chr6	138889501	138892300	Down	-1.18	1.58E-06	0.000521	Intergenic	
chr17	49610001	49612100	Down	-1.18	1.78E-06	0.000567	Intergenic	
chr8	100271301	100272400	Down	-1.18	1.94E-06	0.000591	Intergenic	
chrX	106753001	106754900	Down	-1.18	2.14E-06	0.000631	Intergenic	
chrX	129060201	129061600	Down	-1.18	2.87E-06	0.000776	Intergenic	
chrX	129252401	129254500	Down	-1.18	3.75E-06	0.000939	Intergenic	
chr8	39879701	39881400	Down	-1.18	4.68E-06	0.001107	Intergenic	
chr4	187124901	187126100	Down	-1.18	4.94E-06	0.001144	Intergenic	
chr6	100406101	100407100	Down	-1.18	5.57E-06	0.001251	Intergenic	
chrX	129145301	129151000	Down	-1.18	6.00E-06	0.001325	Intergenic	
chr17	49653701	49655200	Down	-1.18	6.18E-06	0.001349	Intergenic	
chr2	194950601	194951700	Down	-1.18	9.19E-06	0.001842	Intergenic	
chr15	4729201	4730600	Down	-1.18	1.05E-05	0.002039	Intergenic	
chr5	55205701	55206700	Down	-1.18	1.11E-05	0.002119	Intergenic	
chrX	129352301	129354100	Down	-1.18	1.37E-05	0.002445	Intergenic	
chr17	12310401	12311400	Down	-1.18	1.41E-05	0.002492	Intergenic	
chr6	138668101	138669500	Down	-1.18	2.08E-05	0.003358	Intergenic	
chr1	47874201	47875200	Down	-1.18	2.50E-05	0.003817	Intergenic	
chr14	92223901	92224900	Down	-1.18	2.72E-05	0.004045	Intergenic	
chr2	189039501	189040500	Down	-1.18	2.93E-05	0.004269	Intergenic	
chr1	52747301	52748400	Down	-1.18	3.50E-05	0.004856	Intergenic	
chr2	942701	944600	Down	-1.18	3.51E-05	0.004866	Intergenic	
chrX	130254001	130255000	Down	-1.18	3.96E-05	0.005315	Intergenic	
chr3	162802501	162803500	Down	-1.18	4.30E-05	0.005649	Intergenic	
chr2	156714901	156716200	Down	-1.18	4.97E-05	0.006228	Intergenic	
chr2	184997001	184998200	Down	-1.18	5.57E-05	0.006761	Intergenic	
chr1	111684301	111685300	Down	-1.18	6.31E-05	0.007373	Intergenic	
chr6	139398601	139399600	Down	-1.18	6.78E-05	0.007769	Intergenic	
chr20	13201701	13202700	Down	-1.18	6.92E-05	0.007883	Intergenic	
chr2	1250701	1251700	Down	-1.18	7.44E-05	0.008255	Intergenic	
chr4	167502101	167503100	Down	-1.18	8.92E-05	0.009347	Intergenic	
chr5	9189701	9190700	Down	-1.18	9.10E-05	0.009475	Intergenic	
chr1	52765601	52766600	Down	-1.18	9.61E-05	0.009785	Intergenic	
chr1	50443601	50444600	Down	-1.18	9.68E-05	0.009838	Intergenic	
chr10	45872801	45873800	Nrg2	Down	-1.19	5.67E-06	0.00127	Genebody
chr15	5250501	5251900	LOC300308	Down	-1.19	1.45E-05	0.002558	Genebody
chr7	19079501	19080700	Odz2	Down	-1.19	3.58E-05	0.004932	Genebody
chr4	156182401	156183400	Xpr1	Down	-1.19	4.22E-05	0.005577	Genebody
chr5	129901001	129902000	Spetex-2C	Down	-1.19	5.81E-05	0.006967	Genebody
chr1	74970101	74971100	Srgap2	Down	-1.19	9.53E-05	0.009741	Genebody
chr16	21148601	21150300		Down	-1.19	4.51E-07	0.000242	Intergenic
chr2	154419301	154420600		Down	-1.19	1.01E-06	0.000391	Intergenic
chr5	7234601	7236500		Down	-1.19	1.07E-06	0.000405	Intergenic
chr6	139463501	139466600		Down	-1.19	1.34E-06	0.000467	Intergenic
chr6	139785701	139790300		Down	-1.19	1.76E-06	0.000563	Intergenic
chr1	52761901	52763300		Down	-1.19	1.81E-06	0.00057	Intergenic

chr17	49592501	49596700		Down	-1.19	2.55E-06	0.000709	Intergenic
chr1	47733001	47735200		Down	-1.19	2.59E-06	0.000717	Intergenic
chr8	42238401	42240200		Down	-1.19	2.79E-06	0.00076	Intergenic
chr1	111377901	111379800		Down	-1.19	4.30E-06	0.001037	Intergenic
chr18	30445601	30446600		Down	-1.19	4.39E-06	0.001053	Intergenic
chr6	139484901	139486600		Down	-1.19	5.75E-06	0.001283	Intergenic
chr9	5549201	5550500		Down	-1.19	1.09E-05	0.002084	Intergenic
chrX	130304201	130307100		Down	-1.19	1.11E-05	0.002112	Intergenic
chr17	31880301	31881300		Down	-1.19	1.34E-05	0.00241	Intergenic
chrX	129665601	129668800		Down	-1.19	2.09E-05	0.003365	Intergenic
chr6	139983901	139984900		Down	-1.19	2.18E-05	0.003463	Intergenic
chr10	103849901	103850900		Down	-1.19	2.24E-05	0.003545	Intergenic
chr1	52055901	52056900		Down	-1.19	2.48E-05	0.003795	Intergenic
chr7	35266601	35267600		Down	-1.19	2.48E-05	0.003795	Intergenic
chr17	96404201	96405300		Down	-1.19	2.54E-05	0.003849	Intergenic
chr15	26360901	26362100		Down	-1.19	4.92E-05	0.006199	Intergenic
chr5	73466501	73467500		Down	-1.19	6.78E-05	0.007769	Intergenic
chr6	42645101	42646100		Down	-1.19	6.80E-05	0.007783	Intergenic
chr6	139454801	139456700		Down	-1.19	7.13E-05	0.008047	Intergenic
chr6	139087501	139088500		Down	-1.19	7.65E-05	0.008406	Intergenic
chr3	138265301	138266300		Down	-1.19	8.30E-05	0.008927	Intergenic
chr19	57683501	57685400		Down	-1.19	8.40E-05	0.008982	Intergenic
chr11	51548401	51549400		Down	-1.19	9.74E-05	0.009874	Intergenic
chr4	166767201	166768800	Lgr4	Down	-1.2	3.96E-06	0.000975	3k promote
chr3	128030601	128031600	Pde10a	Down	-1.2	4.10E-06	0.001002	Genebody
chr11	11357301	11358400	RT1-A3	Down	-1.2	1.17E-05	0.002191	Genebody
chr2	27016701	27017700	Spetex-2H	Down	-1.2	4.10E-05	0.005447	Genebody
chrX	18059501	18060700	Sult2a2	Down	-1.2	7.24E-05	0.008131	Genebody
chr1	74532001	74533000	Stim2	Down	-1.2	7.88E-05	0.008563	Genebody
chr6	141227101	141229000		Down	-1.2	3.95E-07	0.000227	Intergenic
chr10	403601	405700		Down	-1.2	4.66E-07	0.000244	Intergenic
chr16	21126801	21129000		Down	-1.2	6.24E-07	0.000289	Intergenic
chrX	129041801	129042900		Down	-1.2	8.55E-07	0.000349	Intergenic
chr13	38125401	38126500		Down	-1.2	8.93E-07	0.00036	Intergenic
chr6	138904301	138906200		Down	-1.2	9.02E-07	0.000363	Intergenic
chr6	139989701	139991700		Down	-1.2	9.42E-07	0.000373	Intergenic
chr6	139457801	139461600		Down	-1.2	1.45E-06	0.00049	Intergenic
chrX	128959401	128961300		Down	-1.2	2.19E-06	0.000641	Intergenic
chr14	21918701	21920200		Down	-1.2	2.39E-06	0.00068	Intergenic
chr14	49662201	49663900		Down	-1.2	2.98E-06	0.000794	Intergenic
chr1	52759801	52761000		Down	-1.2	3.35E-06	0.00087	Intergenic
chr14	49271801	49273200		Down	-1.2	3.50E-06	0.000898	Intergenic
chrX	130316801	130318900		Down	-1.2	7.57E-06	0.001582	Intergenic
chr3	137570101	137571200		Down	-1.2	9.96E-06	0.001956	Intergenic
chr16	2455301	2456800		Down	-1.2	1.29E-05	0.002341	Intergenic
chr3	138143601	138144800		Down	-1.2	1.35E-05	0.002424	Intergenic
chrX	129120601	129122500		Down	-1.2	1.52E-05	0.00266	Intergenic
chr6	139376501	139377500		Down	-1.2	1.56E-05	0.002712	Intergenic

chr1	48266801	48267800	Down	-1.2	1.59E-05	0.002749	Intergenic	
chr2	132220101	132221100	Down	-1.2	2.25E-05	0.003554	Intergenic	
chr3	53367501	53368500	Down	-1.2	2.55E-05	0.003853	Intergenic	
chrX	130153601	130155000	Down	-1.2	3.08E-05	0.004422	Intergenic	
chr16	27255201	27256200	Down	-1.2	5.36E-05	0.006568	Intergenic	
chr9	5861101	5862100	Down	-1.2	5.62E-05	0.006804	Intergenic	
chr14	21931101	21932200	Down	-1.2	6.42E-05	0.007474	Intergenic	
chrX	31283701	31284800	Down	-1.2	6.65E-05	0.007665	Intergenic	
chr8	40074101	40075100	Down	-1.2	8.69E-05	0.009183	Intergenic	
chr10	23812901	23815100	Down	-1.2	9.90E-05	0.010006	Intergenic	
chr16	31126601	31128200	Down	-1.2	0.000459	0.043426	Intergenic	
chr3	95775201	95776400	Ctdp1	Down	-1.21	1.17E-05	0.002189	Genebody
chr19	52940901	52943300	Spetex-2H	Down	-1.21	2.30E-05	0.003603	Genebody
chr18	28735801	28736900	Ctnnbl1	Down	-1.21	6.88E-05	0.007849	Genebody
chr1	74946501	74947500	Lphn3	Down	-1.21	7.86E-05	0.008547	Genebody
chr17	71496701	71497700	Gpsm2	Down	-1.21	0.000105	0.010526	Genebody
chr1	74862101	74863100	Gas2	Down	-1.21	0.000115	0.011444	Genebody
chr15	4732401	4734200		Down	-1.21	6.49E-08	6.11E-05	Intergenic
chr17	49251101	49252800		Down	-1.21	2.70E-07	0.000183	Intergenic
chr14	21915901	21917500		Down	-1.21	3.64E-07	0.000215	Intergenic
chr16	21231101	21232200		Down	-1.21	4.64E-07	0.000244	Intergenic
chr4	57746001	57747900		Down	-1.21	4.65E-07	0.000244	Intergenic
chr6	139967401	139969600		Down	-1.21	4.65E-07	0.000244	Intergenic
chr16	21452201	21454100		Down	-1.21	5.49E-07	0.000272	Intergenic
chr17	49685701	49686700		Down	-1.21	7.14E-07	0.000311	Intergenic
chr2	194801	197300		Down	-1.21	7.21E-07	0.000312	Intergenic
chr15	77114301	77116500		Down	-1.21	8.02E-07	0.000335	Intergenic
chr16	20739901	20743000		Down	-1.21	9.69E-07	0.000382	Intergenic
chr1	112599601	112605600		Down	-1.21	9.87E-07	0.000387	Intergenic
chr1	75583001	75584300		Down	-1.21	1.28E-06	0.000456	Intergenic
chr2	161150801	161151800		Down	-1.21	1.41E-06	0.000483	Intergenic
chr18	47413101	47415000		Down	-1.21	1.92E-06	0.000587	Intergenic
chr2	172801	177300		Down	-1.21	2.27E-06	0.000658	Intergenic
chrX	129167901	129173000		Down	-1.21	2.33E-06	0.000669	Intergenic
chr3	131201	133800		Down	-1.21	2.61E-06	0.000722	Intergenic
chrX	130271901	130274500		Down	-1.21	2.72E-06	0.000743	Intergenic
chr6	139971501	139972700		Down	-1.21	3.43E-06	0.000885	Intergenic
chrX	130237101	130239900		Down	-1.21	3.81E-06	0.000949	Intergenic
chr2	1234501	1236300		Down	-1.21	4.00E-06	0.000983	Intergenic
chrX	130118601	130125100		Down	-1.21	4.08E-06	0.001	Intergenic
chrX	129133701	129134700		Down	-1.21	4.97E-06	0.001146	Intergenic
chrX	130321201	130327700		Down	-1.21	6.66E-06	0.001437	Intergenic
chrX	129131301	129132300		Down	-1.21	1.29E-05	0.00234	Intergenic
chrX	130255101	130256600		Down	-1.21	1.33E-05	0.002404	Intergenic
chr16	27589401	27590500		Down	-1.21	1.45E-05	0.002556	Intergenic
chr2	184995701	184996900		Down	-1.21	2.15E-05	0.003433	Intergenic
chr2	187118701	187119800		Down	-1.21	2.29E-05	0.003601	Intergenic
chrX	22881801	22883000		Down	-1.21	2.56E-05	0.003861	Intergenic

chr18	38759201	38768800	Down	-1.21	2.56E-05	0.003861	Intergenic	
chr17	49224801	49226200	Down	-1.21	3.06E-05	0.004406	Intergenic	
chr18	38747301	38758900	Down	-1.21	3.90E-05	0.005259	Intergenic	
chr17	49380301	49382500	Down	-1.21	4.07E-05	0.005422	Intergenic	
chr17	49240301	49241300	Down	-1.21	5.14E-05	0.006375	Intergenic	
chr13	77583101	77584100	Down	-1.21	6.98E-05	0.007925	Intergenic	
chr6	93391201	93392200	Down	-1.21	7.10E-05	0.008021	Intergenic	
chr1	52851401	52852500	Down	-1.21	8.60E-05	0.009138	Intergenic	
chr12	31876101	31877500	Down	-1.21	0.000188	0.018247	Intergenic	
chr14	66503301	66505200	Ctnna2	Down	-1.22	1.34E-05	0.002412	Genebody
chr9	90414001	90415300	Nlrp3	Down	-1.22	1.87E-05	0.003091	Genebody
chr5	78906001	78907000	Down	-1.22	4.20E-07	0.000233	Intergenic	
chr4	106390501	106392400	Down	-1.22	4.68E-07	0.000245	Intergenic	
chr14	15396701	15398300	Down	-1.22	4.94E-07	0.000253	Intergenic	
chr14	49690001	49691600	Down	-1.22	6.07E-07	0.000285	Intergenic	
chr20	36918601	36920100	Down	-1.22	8.46E-07	0.000348	Intergenic	
chr1	50958801	50960800	Down	-1.22	1.03E-06	0.000397	Intergenic	
chr16	21634201	21635400	Down	-1.22	1.06E-06	0.000403	Intergenic	
chr17	49697001	49699700	Down	-1.22	1.10E-06	0.000412	Intergenic	
chr6	139032801	139033900	Down	-1.22	1.73E-06	0.000557	Intergenic	
chr7	19247401	19248700	Down	-1.22	1.79E-06	0.000567	Intergenic	
chr6	139242501	139244200	Down	-1.22	1.82E-06	0.000571	Intergenic	
chr13	19130701	19135800	Down	-1.22	2.55E-06	0.000709	Intergenic	
chrX	129052401	129058700	Down	-1.22	3.35E-06	0.00087	Intergenic	
chr6	139070601	139071900	Down	-1.22	5.42E-06	0.001225	Intergenic	
chr6	139448801	139451100	Down	-1.22	6.58E-06	0.001423	Intergenic	
chr1	240331101	240332100	Down	-1.22	6.76E-06	0.001453	Intergenic	
chr5	141795501	141796500	Down	-1.22	9.77E-06	0.001928	Intergenic	
chr9	876701	877900	Down	-1.22	1.06E-05	0.002054	Intergenic	
chr7	137171401	137172700	Down	-1.22	1.12E-05	0.002122	Intergenic	
chr12	31859301	31860300	Down	-1.22	1.30E-05	0.002354	Intergenic	
chr15	4609501	4611700	Down	-1.22	2.04E-05	0.0033	Intergenic	
chr1	112608601	112609700	Down	-1.22	2.18E-05	0.003469	Intergenic	
chr2	42911001	42912100	Down	-1.22	2.26E-05	0.003562	Intergenic	
chr9	24962201	24963200	Down	-1.22	3.93E-05	0.005288	Intergenic	
chr2	123642101	123643100	Down	-1.22	6.19E-05	0.007282	Intergenic	
chr5	141196201	141197300	Down	-1.22	7.43E-05	0.008255	Intergenic	
chr3	536201	537200	Down	-1.22	7.76E-05	0.008496	Intergenic	
chr6	91432501	91433500	Down	-1.22	7.95E-05	0.00863	Intergenic	
chr3	147401	150300	Down	-1.22	8.64E-05	0.009169	Intergenic	
chrX	129557201	129558200	Down	-1.22	8.84E-05	0.009285	Intergenic	
chr18	61527701	61528700	Down	-1.22	9.61E-05	0.009785	Intergenic	
chr2	113544301	113545500	Map2k6	Down	-1.23	2.94E-07	0.000194	Genebody
chr2	181022301	181023300	Erc1	Down	-1.23	6.21E-05	0.0073	Genebody
chr9	84548501	84549500	Orc1	Down	-1.23	6.49E-05	0.007529	Genebody
chr7	17282901	17284700	Down	-1.23	7.04E-10	7.09E-07	Intergenic	
chr6	138995301	138996600	Down	-1.23	3.17E-07	0.000202	Intergenic	
chr17	49528801	49531300	Down	-1.23	4.36E-07	0.000239	Intergenic	

chrX	129161801	129163500	Down	-1.23	5.12E-07	0.00026	Intergenic	
chr6	139222801	139225400	Down	-1.23	5.59E-07	0.000275	Intergenic	
chr6	138640101	138642600	Down	-1.23	6.19E-07	0.000287	Intergenic	
chr17	49719501	49721500	Down	-1.23	6.62E-07	0.000299	Intergenic	
chrX	129136501	129140200	Down	-1.23	7.17E-07	0.000311	Intergenic	
chr2	1433201	1435300	Down	-1.23	9.34E-07	0.000373	Intergenic	
chr16	11868701	11870400	Down	-1.23	9.62E-07	0.00038	Intergenic	
chr19	45446501	45447500	Down	-1.23	9.77E-07	0.000384	Intergenic	
chr6	139839301	139844200	Down	-1.23	1.24E-06	0.000447	Intergenic	
chr19	57008801	57009800	Down	-1.23	1.58E-06	0.000521	Intergenic	
chr4	100213701	100215700	Down	-1.23	2.48E-06	0.000696	Intergenic	
chrX	128916501	128919500	Down	-1.23	2.72E-06	0.000743	Intergenic	
chr17	49667701	49673000	Down	-1.23	3.12E-06	0.000822	Intergenic	
chr17	49580001	49583300	Down	-1.23	3.77E-06	0.000943	Intergenic	
chr2	408301	416600	Down	-1.23	4.39E-06	0.001053	Intergenic	
chrX	116309501	116311800	Down	-1.23	6.98E-06	0.00149	Intergenic	
chr6	139805401	139810100	Down	-1.23	7.32E-06	0.001537	Intergenic	
chrX	128933901	128935000	Down	-1.23	8.75E-06	0.001767	Intergenic	
chr6	138849201	138850600	Down	-1.23	9.74E-06	0.001928	Intergenic	
chr20	36952001	36953600	Down	-1.23	1.06E-05	0.002053	Intergenic	
chr13	19170901	19176000	Down	-1.23	1.09E-05	0.002084	Intergenic	
chr14	44365501	44367500	Down	-1.23	1.12E-05	0.002126	Intergenic	
chr3	109375101	109376600	Down	-1.23	1.77E-05	0.002967	Intergenic	
chr1	176428201	176429200	Down	-1.23	1.90E-05	0.003118	Intergenic	
chr4	169964501	169965600	Down	-1.23	3.31E-05	0.004653	Intergenic	
chr2	35323601	35324600	Down	-1.23	3.47E-05	0.004826	Intergenic	
chr6	139769501	139770500	Down	-1.23	3.71E-05	0.005083	Intergenic	
chr1	48475001	48476000	Down	-1.23	5.82E-05	0.006967	Intergenic	
chr18	38728001	38747200	Down	-1.23	6.55E-05	0.007584	Intergenic	
chr1	47932101	47933400	Down	-1.23	8.68E-05	0.009183	Intergenic	
chrX	129780601	129782100	Down	-1.23	8.89E-05	0.009319	Intergenic	
chr3	29985101	29986200	Down	-1.23	0.00014	0.013724	Intergenic	
chr10	63079001	63080200	Fndc3b	Down	-1.24	5.75E-06	0.001283	Genebody
chr1	243957201	243958900	RGD15640	Down	-1.24	8.14E-06	0.001671	Genebody
chr14	28434601	28435700	Capn13	Down	-1.24	1.11E-05	0.002112	Genebody
chr10	1624101	1625200	Sult2a2	Down	-1.24	4.57E-05	0.005878	Genebody
chr15	5987801	5988900	Bbox1	Down	-1.24	6.70E-05	0.007711	Genebody
chr1	75003001	75004000	Tasp1	Down	-1.24	8.55E-05	0.009093	Genebody
chrX	129588101	129589700		Down	-1.24	3.51E-07	0.000212	Intergenic
chr2	154426801	154428600		Down	-1.24	3.79E-07	0.000221	Intergenic
chr11	81770101	81772000		Down	-1.24	3.98E-07	0.000227	Intergenic
chr17	49235601	49238300		Down	-1.24	8.41E-07	0.000347	Intergenic
chr8	42101801	42103300		Down	-1.24	1.04E-06	0.000398	Intergenic
chr14	21532601	21534100		Down	-1.24	1.71E-06	0.000553	Intergenic
chr17	50024401	50026300		Down	-1.24	2.03E-06	0.00061	Intergenic
chr16	20883001	20885500		Down	-1.24	2.23E-06	0.000648	Intergenic
chr6	138992001	138993300		Down	-1.24	2.32E-06	0.000668	Intergenic
chr1	51318701	51319800		Down	-1.24	3.63E-06	0.000921	Intergenic

chrX	129656601	129660500		Down	-1.24	4.26E-06	0.001029	Intergenic
chr2	551501	558500		Down	-1.24	4.78E-06	0.001123	Intergenic
chr9	112738501	112739600		Down	-1.24	5.92E-06	0.001312	Intergenic
chrX	128948401	128957700		Down	-1.24	7.67E-06	0.001595	Intergenic
chr17	49466501	49469300		Down	-1.24	8.52E-06	0.001735	Intergenic
chrX	128973301	128974400		Down	-1.24	1.29E-05	0.002345	Intergenic
chr17	49680601	49685600		Down	-1.24	1.49E-05	0.002618	Intergenic
chr14	103106901	103109800		Down	-1.24	1.55E-05	0.002696	Intergenic
chr6	139779901	139781000		Down	-1.24	1.88E-05	0.003094	Intergenic
chr5	110623201	110624200		Down	-1.24	2.61E-05	0.003924	Intergenic
chr9	1232801	1234000		Down	-1.24	2.97E-05	0.004313	Intergenic
chr14	21893601	21894600		Down	-1.24	6.00E-05	0.00712	Intergenic
chr2	52023301	52024300		Down	-1.24	6.99E-05	0.007925	Intergenic
chr8	42129401	42130400		Down	-1.24	6.99E-05	0.007927	Intergenic
chr2	1292001	1293000		Down	-1.24	7.37E-05	0.00823	Intergenic
chr1	51098301	51099300		Down	-1.24	7.45E-05	0.008255	Intergenic
chrX	129237901	129238900		Down	-1.24	8.81E-05	0.009277	Intergenic
chr18	38768901	38803500		Down	-1.24	0.000108	0.010789	Intergenic
chr2	188549801	188551300		Down	-1.24	0.000134	0.013156	Intergenic
chr1	52783801	52785000		Down	-1.24	0.000392	0.037164	Intergenic
chr1	48275401	48277000		Down	-1.24	0.000501	0.047299	Intergenic
chr2	204313501	204314600	Sult1c2a	Down	-1.25	2.42E-07	0.000174	Genebody
chr6	122805801	122806900	Tph2	Down	-1.25	1.24E-05	0.002285	Genebody
chr9	63193801	63195100	LOC300308	Down	-1.25	3.29E-05	0.004644	Genebody
chr11	64703301	64704300	Col4a3bp	Down	-1.25	3.45E-05	0.004806	Genebody
chr20	40894501	40895800	Sult2a2	Down	-1.25	5.86E-05	0.006998	Genebody
chr10	83505301	83507200		Down	-1.25	7.40E-08	6.81E-05	Intergenic
chr2	207238201	207240100		Down	-1.25	1.54E-07	0.000127	Intergenic
chr7	18435401	18438000		Down	-1.25	2.58E-07	0.000176	Intergenic
chr6	138938801	138941000		Down	-1.25	6.74E-07	0.000301	Intergenic
chr2	154314001	154316400		Down	-1.25	8.15E-07	0.000339	Intergenic
chr16	37896601	37902200		Down	-1.25	1.25E-06	0.00045	Intergenic
chr8	39875701	39879100		Down	-1.25	1.55E-06	0.000518	Intergenic
chr8	90437501	90439400		Down	-1.25	1.55E-06	0.000518	Intergenic
chr17	49702601	49706800		Down	-1.25	1.71E-06	0.000553	Intergenic
chr16	14537101	14539000		Down	-1.25	2.37E-06	0.000673	Intergenic
chr8	40027001	40028200		Down	-1.25	4.12E-06	0.001006	Intergenic
chr17	49575701	49579600		Down	-1.25	4.26E-06	0.001029	Intergenic
chr6	139492201	139494100		Down	-1.25	5.23E-06	0.001194	Intergenic
chr1	230810201	230811300		Down	-1.25	5.85E-06	0.001299	Intergenic
chr6	139905801	139906800		Down	-1.25	6.62E-06	0.00143	Intergenic
chr17	49561701	49563000		Down	-1.25	7.50E-06	0.00157	Intergenic
chr3	138071501	138072600		Down	-1.25	7.69E-06	0.001599	Intergenic
chr16	39238401	39242900		Down	-1.25	1.51E-05	0.002644	Intergenic
chr16	27541801	27543300		Down	-1.25	1.81E-05	0.003027	Intergenic
chr3	16976701	16977900		Down	-1.25	1.95E-05	0.003188	Intergenic
chr6	139002401	139006700		Down	-1.25	2.02E-05	0.003276	Intergenic
chr6	2813701	2814700		Down	-1.25	2.07E-05	0.003343	Intergenic

chr1	111392201	111393500		Down	-1.25	2.15E-05	0.003433	Intergenic
chr1	49016201	49017200		Down	-1.25	3.17E-05	0.004508	Intergenic
chr6	138864001	138865300		Down	-1.25	3.97E-05	0.005322	Intergenic
chr2	156716301	156718000		Down	-1.25	4.98E-05	0.006237	Intergenic
chr16	21600601	21601700		Down	-1.25	5.02E-05	0.006272	Intergenic
chr1	48270101	48271100		Down	-1.25	5.53E-05	0.006733	Intergenic
chr20	38440001	38441200		Down	-1.25	5.77E-05	0.006936	Intergenic
chr14	49496001	49497000		Down	-1.25	5.96E-05	0.007083	Intergenic
chr18	38704101	38727500		Down	-1.25	6.38E-05	0.007443	Intergenic
chr1	111695001	111696000		Down	-1.25	6.42E-05	0.007471	Intergenic
chr14	49702201	49703200		Down	-1.25	6.84E-05	0.007814	Intergenic
chrX	18123501	18124800		Down	-1.25	7.11E-05	0.008031	Intergenic
chr2	154403001	154404400		Down	-1.25	7.14E-05	0.008051	Intergenic
chr1	112585601	112586600		Down	-1.25	9.08E-05	0.00947	Intergenic
chr6	139471801	139473700		Down	-1.25	0.000179	0.01743	Intergenic
chr16	73862101	73863100	Slc25a46	Down	-1.26	4.61E-06	0.001094	3k promote
chr13	51340601	51341800	Sult2a2	Down	-1.26	1.16E-05	0.002181	Genebody
chr5	6558401	6560400	Sult2a2	Down	-1.26	2.84E-05	0.004178	Genebody
chr5	101792501	101793500	Dip2c	Down	-1.26	5.49E-05	0.006688	Genebody
chr7	19070201	19071200	Sult2a2	Down	-1.26	6.71E-05	0.007717	Genebody
chrX	24450601	24452500		Down	-1.26	1.77E-07	0.000139	Intergenic
chrX	129866301	129867600		Down	-1.26	7.09E-07	0.00031	Intergenic
chrX	129589801	129593600		Down	-1.26	7.39E-07	0.000318	Intergenic
chr6	139836101	139838500		Down	-1.26	1.13E-06	0.000419	Intergenic
chrX	129047601	129049600		Down	-1.26	1.52E-06	0.000512	Intergenic
chr6	83887901	83889300		Down	-1.26	2.35E-06	0.000671	Intergenic
chr6	139248101	139249200		Down	-1.26	3.19E-06	0.000837	Intergenic
chr13	19120701	19127000		Down	-1.26	3.84E-06	0.000955	Intergenic
chr4	57772801	57774000		Down	-1.26	5.34E-06	0.001212	Intergenic
chr17	49469401	49475700		Down	-1.26	5.37E-06	0.001216	Intergenic
chrX	51078801	51080700		Down	-1.26	5.81E-06	0.001293	Intergenic
chr1	52877701	52879600		Down	-1.26	7.38E-06	0.001547	Intergenic
chr4	46497301	46499600		Down	-1.26	8.58E-06	0.001741	Intergenic
chr14	49598401	49599700		Down	-1.26	1.11E-05	0.002112	Intergenic
chr6	139419601	139423100		Down	-1.26	1.18E-05	0.002203	Intergenic
chr2	127755301	127756500		Down	-1.26	1.70E-05	0.002892	Intergenic
chr7	19503601	19504700		Down	-1.26	1.72E-05	0.002914	Intergenic
chr11	9575701	9577700		Down	-1.26	1.77E-05	0.002973	Intergenic
chrX	129404601	129406000		Down	-1.26	1.97E-05	0.003213	Intergenic
chr13	30491601	30494300		Down	-1.26	2.32E-05	0.003627	Intergenic
chr13	19127301	19129200		Down	-1.26	2.47E-05	0.003792	Intergenic
chr14	49127201	49128200		Down	-1.26	2.77E-05	0.004092	Intergenic
chr16	30923701	30926200		Down	-1.26	3.13E-05	0.004479	Intergenic
chr20	47397401	47398400		Down	-1.26	3.80E-05	0.005155	Intergenic
chr8	42232001	42233000		Down	-1.26	3.82E-05	0.005175	Intergenic
chr18	69954401	69955500		Down	-1.26	3.87E-05	0.005229	Intergenic
chr16	22049901	22050900		Down	-1.26	5.00E-05	0.006254	Intergenic
chr15	4750301	4751300		Down	-1.26	6.95E-05	0.007899	Intergenic

chr7	62778801	62779800		Down	-1.26	7.84E-05	0.008539	Intergenic
chr6	139215901	139216900		Down	-1.26	8.45E-05	0.009028	Intergenic
chr9	805001	806000		Down	-1.26	9.32E-05	0.009615	Intergenic
chr7	140667301	140668300		Down	-1.26	9.87E-05	0.009986	Intergenic
chr3	95366701	95368500	Snupn	Down	-1.27	4.37E-05	0.005709	3k promote
chr1	101703401	101705300	Lrrc16a	Down	-1.27	1.05E-06	0.000401	Genebody
chr4	167575501	167577300	LOC300308	Down	-1.27	1.10E-05	0.002109	Genebody
chr3	87580301	87581300	Ash1l	Down	-1.27	1.45E-05	0.002553	Genebody
chr17	47930001	47932000	Cab39	Down	-1.27	4.15E-05	0.00551	Genebody
chr3	148476901	148477900	Spata7	Down	-1.27	9.60E-05	0.009785	Genebody
chr13	102893701	102895000		Down	-1.27	1.22E-07	0.000105	Intergenic
chr2	154316501	154319000		Down	-1.27	4.60E-07	0.000244	Intergenic
chr16	30917001	30919300		Down	-1.27	4.98E-07	0.000254	Intergenic
chr16	37870601	37872900		Down	-1.27	6.16E-07	0.000286	Intergenic
chr16	21309501	21312900		Down	-1.27	9.37E-07	0.000373	Intergenic
chrX	130294801	130295800		Down	-1.27	1.28E-06	0.000456	Intergenic
chr2	188531301	188533400		Down	-1.27	1.31E-06	0.000461	Intergenic
chr10	103261101	103262400		Down	-1.27	1.76E-06	0.000563	Intergenic
chr1	130483901	130485400		Down	-1.27	2.36E-06	0.000671	Intergenic
chr15	49620901	49622200		Down	-1.27	3.06E-06	0.000813	Intergenic
chr6	139453001	139454200		Down	-1.27	3.72E-06	0.000936	Intergenic
chr1	50682001	50683000		Down	-1.27	5.14E-06	0.001179	Intergenic
chr4	49618601	49622300		Down	-1.27	5.95E-06	0.001318	Intergenic
chr13	19139601	19143800		Down	-1.27	8.44E-06	0.001722	Intergenic
chrX	129804201	129816000		Down	-1.27	8.61E-06	0.001746	Intergenic
chr1	52012701	52013900		Down	-1.27	9.28E-06	0.001856	Intergenic
chr6	139076001	139078000		Down	-1.27	1.01E-05	0.001977	Intergenic
chr6	138943401	138946000		Down	-1.27	1.01E-05	0.001982	Intergenic
chr17	49453201	49458800		Down	-1.27	1.07E-05	0.002066	Intergenic
chr17	49673701	49674700		Down	-1.27	1.70E-05	0.002892	Intergenic
chr16	21324101	21327300		Down	-1.27	1.74E-05	0.002943	Intergenic
chr8	26593901	26594900		Down	-1.27	2.19E-05	0.003479	Intergenic
chrX	128861101	128862100		Down	-1.27	2.86E-05	0.0042	Intergenic
chr17	52637301	52638400		Down	-1.27	3.05E-05	0.004401	Intergenic
chr3	17099001	17100000		Down	-1.27	3.37E-05	0.004715	Intergenic
chr17	49555701	49558700		Down	-1.27	4.33E-05	0.005668	Intergenic
chr17	49553401	49554900		Down	-1.27	6.29E-05	0.007359	Intergenic
chr1	803101	804100		Down	-1.27	6.65E-05	0.007665	Intergenic
chr1	5150601	5151700		Down	-1.27	8.38E-05	0.008974	Intergenic
chr1	111389601	111390900		Down	-1.27	0.000126	0.012449	Intergenic
chr6	139320501	139323200		Down	-1.27	0.000139	0.01369	Intergenic
chrX	130088501	130089800		Down	-1.27	0.000254	0.024453	Intergenic
chr2	25176601	25177600	Otp	Down	-1.28	5.57E-05	0.006761	1k promote
chr7	19243201	19245000	Cyp2c7	Down	-1.28	1.86E-05	0.003084	Genebody
chr7	54340301	54341400	Sult2a2	Down	-1.28	2.10E-05	0.003384	Genebody
chr14	17593901	17595200		Down	-1.28	7.26E-08	6.74E-05	Intergenic
chr15	65963301	65965200		Down	-1.28	1.76E-07	0.000139	Intergenic
chr16	27604401	27606600		Down	-1.28	3.77E-07	0.00022	Intergenic



chr2	154389901	154391400	Down	-1.28	3.95E-07	0.000227	Intergenic	
chr1	97213201	97215100	Down	-1.28	6.85E-07	0.000304	Intergenic	
chr6	139834801	139835800	Down	-1.28	1.18E-06	0.000434	Intergenic	
chr17	40165301	40167200	Down	-1.28	1.31E-06	0.000461	Intergenic	
chr5	60972501	60973500	Down	-1.28	2.16E-06	0.000635	Intergenic	
chr8	39885001	39886200	Down	-1.28	2.23E-06	0.000649	Intergenic	
chr14	48738601	48742200	Down	-1.28	2.67E-06	0.000733	Intergenic	
chr4	102523201	102524600	Down	-1.28	2.68E-06	0.000735	Intergenic	
chr20	38277501	38278800	Down	-1.28	4.29E-06	0.001035	Intergenic	
chrX	129817101	129821000	Down	-1.28	4.42E-06	0.001058	Intergenic	
chr2	180201	185600	Down	-1.28	4.88E-06	0.001133	Intergenic	
chr2	1243101	1244500	Down	-1.28	6.17E-06	0.001349	Intergenic	
chr17	49460101	49466400	Down	-1.28	6.50E-06	0.001409	Intergenic	
chr2	187230701	187231700	Down	-1.28	6.54E-06	0.001414	Intergenic	
chr17	49612201	49620400	Down	-1.28	8.15E-06	0.001672	Intergenic	
chrX	129579101	129580200	Down	-1.28	1.26E-05	0.002312	Intergenic	
chr16	20866301	20867300	Down	-1.28	2.07E-05	0.003344	Intergenic	
chr17	49326201	49337600	Down	-1.28	2.42E-05	0.003746	Intergenic	
chrX	8362301	8364400	Down	-1.28	3.31E-05	0.004653	Intergenic	
chr3	166855801	166856800	Down	-1.28	3.33E-05	0.004674	Intergenic	
chr14	49146201	49147200	Down	-1.28	4.20E-05	0.005559	Intergenic	
chr8	40148401	40149400	Down	-1.28	6.67E-05	0.007685	Intergenic	
chr16	27679001	27680000	Down	-1.28	7.70E-05	0.008449	Intergenic	
chr10	58544901	58545900	Down	-1.28	7.81E-05	0.008528	Intergenic	
chr6	140917701	140918700	Down	-1.28	8.39E-05	0.008977	Intergenic	
chr13	19183101	19224000	Down	-1.28	0.000123	0.012208	Intergenic	
chr10	58885701	58886700	Kcnip4	Down	-1.29	2.29E-07	0.000167	Genebody
chr10	68735901	68736900	Sult1c2a	Down	-1.29	5.95E-06	0.001318	Genebody
chr1	187203101	187204100	Fstl1	Down	-1.29	1.98E-05	0.003222	Genebody
chr6	139541601	139544700	Down	-1.29	1.17E-07	0.000102	Intergenic	
chr14	30758901	30760100	Down	-1.29	1.25E-07	0.000107	Intergenic	
chr6	138825601	138827400	Down	-1.29	1.38E-07	0.000117	Intergenic	
chr1	182968001	182969900	Down	-1.29	2.55E-07	0.000175	Intergenic	
chr16	27006401	27008300	Down	-1.29	3.54E-07	0.000212	Intergenic	
chr16	21169501	21170500	Down	-1.29	5.30E-07	0.000266	Intergenic	
chr17	49246701	49249000	Down	-1.29	8.48E-07	0.000348	Intergenic	
chr17	49228401	49231200	Down	-1.29	1.76E-06	0.000563	Intergenic	
chr6	139995801	139997000	Down	-1.29	1.79E-06	0.000567	Intergenic	
chr17	50013001	50017000	Down	-1.29	2.23E-06	0.000648	Intergenic	
chrX	129651001	129653800	Down	-1.29	2.34E-06	0.000671	Intergenic	
chr2	221528301	221529300	Down	-1.29	2.66E-06	0.000731	Intergenic	
chr10	1677501	1679000	Down	-1.29	3.58E-06	0.000909	Intergenic	
chr14	34001	35200	Down	-1.29	4.33E-06	0.00104	Intergenic	
chr19	37653301	37654600	Down	-1.29	5.36E-06	0.001215	Intergenic	
chrX	130263801	130265500	Down	-1.29	7.15E-06	0.001515	Intergenic	
chr17	49299001	49312000	Down	-1.29	9.66E-06	0.001916	Intergenic	
chr1	111687701	111689200	Down	-1.29	1.08E-05	0.002077	Intergenic	
chr1	190908801	190909900	Down	-1.29	1.34E-05	0.00241	Intergenic	

chr19	34866401	34869600		Down	-1.29	1.96E-05	0.003193	Intergenic
chr3	138120501	138121500		Down	-1.29	2.15E-05	0.003433	Intergenic
chr17	72422501	72423500		Down	-1.29	2.33E-05	0.003634	Intergenic
chr16	30941701	30942700		Down	-1.29	2.87E-05	0.00421	Intergenic
chr3	138099201	138100300		Down	-1.29	3.85E-05	0.005211	Intergenic
chr1	111146601	111147600		Down	-1.29	4.38E-05	0.005718	Intergenic
chr16	21297801	21298900		Down	-1.29	4.94E-05	0.00622	Intergenic
chr14	49761301	49762300		Down	-1.29	4.96E-05	0.006228	Intergenic
chr12	18275001	18276300		Down	-1.29	5.48E-05	0.006684	Intergenic
chr6	138860801	138861800		Down	-1.29	6.03E-05	0.007139	Intergenic
chr1	229962601	229963600		Down	-1.29	6.81E-05	0.0078	Intergenic
chr13	30423601	30452900		Down	-1.29	8.93E-05	0.009348	Intergenic
chr1	141728401	141729400		Down	-1.29	9.44E-05	0.009695	Intergenic
chr18	24020101	24021100	Npepps	Down	-1.3	1.22E-05	0.002244	3k promote
chr1	75063501	75064500	Frem1	Down	-1.3	6.77E-06	0.001453	Genebody
chr15	6196001	6197000	LOC300308	Down	-1.3	1.71E-05	0.002897	Genebody
chr1	112606601	112608500		Down	-1.3	7.85E-08	7.17E-05	Intergenic
chr16	37902301	37903700		Down	-1.3	1.20E-07	0.000104	Intergenic
chr3	138036301	138038900		Down	-1.3	2.51E-07	0.000175	Intergenic
chr3	11392201	11393300		Down	-1.3	4.14E-07	0.000232	Intergenic
chr2	1262701	1264100		Down	-1.3	4.54E-07	0.000242	Intergenic
chr13	82957201	82959100		Down	-1.3	5.57E-07	0.000274	Intergenic
chr3	73891701	73893700		Down	-1.3	6.26E-07	0.000289	Intergenic
chr16	37866701	37870500		Down	-1.3	8.06E-07	0.000336	Intergenic
chr18	58093301	58094400		Down	-1.3	8.72E-07	0.000354	Intergenic
chr7	5939501	5944300		Down	-1.3	8.89E-07	0.00036	Intergenic
chr6	138907601	138909500		Down	-1.3	1.01E-06	0.000391	Intergenic
chr14	88598501	88599600		Down	-1.3	1.06E-06	0.000402	Intergenic
chr1	53001801	53003200		Down	-1.3	3.08E-06	0.000815	Intergenic
chr14	704301	705500		Down	-1.3	4.04E-06	0.000992	Intergenic
chr6	139496201	139497700		Down	-1.3	5.03E-06	0.001158	Intergenic
chr12	45001	46100		Down	-1.3	8.54E-06	0.001737	Intergenic
chr17	22784201	22785200		Down	-1.3	9.81E-06	0.001932	Intergenic
chrX	129821301	129825000		Down	-1.3	1.34E-05	0.002408	Intergenic
chr2	154336001	154337000		Down	-1.3	2.30E-05	0.003607	Intergenic
chr20	38374601	38375700		Down	-1.3	2.34E-05	0.003641	Intergenic
chr6	139466801	139471600		Down	-1.3	3.11E-05	0.004454	Intergenic
chr17	49567601	49569300		Down	-1.3	4.00E-05	0.005345	Intergenic
chr13	107548301	107549300		Down	-1.3	4.51E-05	0.005842	Intergenic
chr6	5434001	5435200		Down	-1.3	4.59E-05	0.005903	Intergenic
chr12	41480201	41482300		Down	-1.3	4.65E-05	0.005958	Intergenic
chr8	81473301	81474300		Down	-1.3	4.96E-05	0.006228	Intergenic
chr6	139702801	139703800		Down	-1.3	5.05E-05	0.006299	Intergenic
chr16	27391201	27392200		Down	-1.3	5.94E-05	0.007075	Intergenic
chr13	30461101	30491100		Down	-1.3	8.55E-05	0.009093	Intergenic
chr19	23289001	23290300		Down	-1.3	0.000308	0.029309	Intergenic
chr1	179820101	179821100	Spetex-2C	Down	-1.31	6.07E-06	0.001333	Genebody
chr20	21346501	21347700	Trim44	Down	-1.31	2.37E-05	0.003684	Genebody

chr14	48536401	48538200	Down	-1.31	4.93E-07	0.000253	Intergenic	
chr1	243617501	243620900	Down	-1.31	5.73E-07	0.000277	Intergenic	
chr7	3337601	3340600	Down	-1.31	9.37E-07	0.000373	Intergenic	
chr15	92004401	92005800	Down	-1.31	1.43E-06	0.000488	Intergenic	
chr14	48773701	48777100	Down	-1.31	2.20E-06	0.000642	Intergenic	
chr5	109519201	109520200	Down	-1.31	2.49E-06	0.000696	Intergenic	
chr16	30414201	30416100	Down	-1.31	3.50E-06	0.000898	Intergenic	
chr15	31145801	31146900	Down	-1.31	6.02E-06	0.001325	Intergenic	
chr14	48742301	48748100	Down	-1.31	6.15E-06	0.001347	Intergenic	
chr3	166844101	166845100	Down	-1.31	7.84E-06	0.001623	Intergenic	
chr6	93667101	93669300	Down	-1.31	1.18E-05	0.002198	Intergenic	
chr2	154431801	154433500	Down	-1.31	1.19E-05	0.002213	Intergenic	
chr4	99827501	99828500	Down	-1.31	1.23E-05	0.002267	Intergenic	
chr14	49683701	49685300	Down	-1.31	1.25E-05	0.002296	Intergenic	
chr13	19162501	19168400	Down	-1.31	1.72E-05	0.002913	Intergenic	
chr13	30453201	30461000	Down	-1.31	1.81E-05	0.003027	Intergenic	
chr2	55979801	55980900	Down	-1.31	1.91E-05	0.003132	Intergenic	
chr1	51400001	51401000	Down	-1.31	2.40E-05	0.003729	Intergenic	
chr14	21521401	21522500	Down	-1.31	2.52E-05	0.003834	Intergenic	
chr17	72400801	72402000	Down	-1.31	2.54E-05	0.003847	Intergenic	
chr15	4622201	4623300	Down	-1.31	3.00E-05	0.004333	Intergenic	
chr6	138569001	138570000	Down	-1.31	3.01E-05	0.004341	Intergenic	
chr2	153172301	153173300	Down	-1.31	4.21E-05	0.00556	Intergenic	
chr3	137902701	137903700	Down	-1.31	4.30E-05	0.005649	Intergenic	
chr2	15901	16900	Down	-1.31	6.51E-05	0.007547	Intergenic	
chr13	102892301	102893300	Down	-1.31	9.94E-05	0.010033	Intergenic	
chr7	25246601	25248600	Ly49i9	Down	-1.32	7.71E-08	7.06E-05	Genebody
chr1	81276701	81277800	Ctnnbl1	Down	-1.32	9.54E-05	0.009743	Genebody
chr16	22019701	22021400	Down	-1.32	1.59E-07	0.00013	Intergenic	
chr2	154439101	154441100	Down	-1.32	3.11E-07	0.000199	Intergenic	
chr18	38803701	38807200	Down	-1.32	1.04E-06	0.000398	Intergenic	
chr1	50416901	50418100	Down	-1.32	1.25E-06	0.00045	Intergenic	
chr17	49640701	49647000	Down	-1.32	3.20E-06	0.000837	Intergenic	
chr2	60001	61700	Down	-1.32	3.57E-06	0.000909	Intergenic	
chr2	154424701	154425800	Down	-1.32	4.79E-06	0.001123	Intergenic	
chr19	34869801	34872300	Down	-1.32	6.01E-06	0.001325	Intergenic	
chr1	75810701	75811800	Down	-1.32	7.04E-06	0.0015	Intergenic	
chr9	806401	807400	Down	-1.32	7.19E-06	0.001517	Intergenic	
chr1	200336101	200338000	Down	-1.32	9.73E-06	0.001928	Intergenic	
chr17	49422301	49423800	Down	-1.32	9.76E-06	0.001928	Intergenic	
chr13	19147901	19153100	Down	-1.32	1.04E-05	0.002021	Intergenic	
chr3	106731501	106732500	Down	-1.32	1.05E-05	0.002029	Intergenic	
chr16	27286001	27287000	Down	-1.32	1.39E-05	0.002477	Intergenic	
chr8	87161801	87162800	Down	-1.32	1.86E-05	0.003081	Intergenic	
chr16	21489801	21491500	Down	-1.32	1.91E-05	0.003126	Intergenic	
chr14	21923301	21924300	Down	-1.32	1.99E-05	0.003239	Intergenic	
chr18	25052501	25053500	Down	-1.32	2.25E-05	0.003551	Intergenic	
chr5	75524501	75526700	Down	-1.32	2.25E-05	0.003554	Intergenic	

chr13	30743101	30745600		Down	-1.32	2.75E-05	0.004079	Intergenic
chr1	110900701	110901700		Down	-1.32	5.16E-05	0.006385	Intergenic
chr20	36906201	36907200		Down	-1.32	5.70E-05	0.006869	Intergenic
chr17	49659801	49661700		Down	-1.32	0.000131	0.01291	Intergenic
chr6	139830101	139832500		Down	-1.32	0.000186	0.018082	Intergenic
chr6	139801301	139803000		Down	-1.32	0.00025	0.024021	Intergenic
chr1	74694801	74695800	Aipl1	Down	-1.33	1.62E-05	0.002782	Genebody
chr3	148550201	148552700	Myo1d	Down	-1.33	4.65E-05	0.005958	Genebody
chr10	82636401	82637400	Hs3st5	Down	-1.33	9.79E-05	0.009922	Genebody
chr6	58143801	58145700		Down	-1.33	2.28E-07	0.000167	Intergenic
chr17	72425201	72426700		Down	-1.33	2.47E-07	0.000175	Intergenic
chr14	49627101	49629800		Down	-1.33	3.75E-07	0.000219	Intergenic
chr18	38807701	38809300		Down	-1.33	1.13E-06	0.000419	Intergenic
chr13	30787301	30789200		Down	-1.33	1.23E-06	0.000447	Intergenic
chr9	62273701	62274700		Down	-1.33	1.95E-06	0.000592	Intergenic
chr17	49686801	49691000		Down	-1.33	3.08E-06	0.000815	Intergenic
chr5	107768101	107770300		Down	-1.33	3.89E-06	0.000963	Intergenic
chr4	166788901	166790100		Down	-1.33	5.20E-06	0.001189	Intergenic
chr6	139339701	139341300		Down	-1.33	6.94E-06	0.001483	Intergenic
chr13	19227101	19232100		Down	-1.33	7.87E-06	0.001626	Intergenic
chr14	49313601	49314600		Down	-1.33	1.35E-05	0.002423	Intergenic
chr6	139433001	139434900		Down	-1.33	1.35E-05	0.002423	Intergenic
chr4	17081601	17082600		Down	-1.33	1.41E-05	0.002492	Intergenic
chr16	21689001	21690100		Down	-1.33	1.56E-05	0.002712	Intergenic
chr3	835801	836800		Down	-1.33	1.87E-05	0.003091	Intergenic
chr1	240072001	240073100		Down	-1.33	2.07E-05	0.003337	Intergenic
chr1	48361001	48362000		Down	-1.33	2.41E-05	0.003735	Intergenic
chr13	19176701	19179500		Down	-1.33	3.70E-05	0.005073	Intergenic
chr8	40220001	40221000		Down	-1.33	6.52E-05	0.007552	Intergenic
chr20	38002501	38003500		Down	-1.33	7.82E-05	0.008529	Intergenic
chr1	61971701	61972700	Kat8	Down	-1.34	7.27E-08	6.74E-05	Genebody
chr8	84838301	84839300	Sult2a2	Down	-1.34	1.19E-07	0.000103	Genebody
chr12	18710601	18711600	Akt3	Down	-1.34	1.34E-05	0.002408	Genebody
chr1	203476601	203477800	Sult2a2	Down	-1.34	2.43E-05	0.003753	Genebody
chr1	141709901	141711100	Spetex-2C	Down	-1.34	3.37E-05	0.004715	Genebody
chr1	74960701	74961800	Cdr2	Down	-1.34	3.54E-05	0.004896	Genebody
chr17	49325001	49326000		Down	-1.34	3.44E-07	0.00021	Intergenic
chr9	744401	745900		Down	-1.34	3.55E-07	0.000212	Intergenic
chr13	19137001	19139400		Down	-1.34	4.21E-07	0.000233	Intergenic
chr14	49100501	49101900		Down	-1.34	5.74E-07	0.000277	Intergenic
chr2	154301501	154304300		Down	-1.34	7.46E-07	0.000319	Intergenic
chr6	138410401	138411800		Down	-1.34	8.32E-07	0.000344	Intergenic
chr4	99847401	99849200		Down	-1.34	1.04E-06	0.000398	Intergenic
chrX	130247401	130248400		Down	-1.34	1.59E-06	0.000524	Intergenic
chr9	5495401	5496600		Down	-1.34	1.67E-06	0.000544	Intergenic
chr9	5544601	5545800		Down	-1.34	2.33E-06	0.000669	Intergenic
chrX	129243201	129247300		Down	-1.34	2.58E-06	0.000717	Intergenic
chr14	49169401	49171200		Down	-1.34	4.45E-06	0.001061	Intergenic

chr15	26729801	26732200		Down	-1.34	6.53E-06	0.001414	Intergenic
chr19	29985001	29986000		Down	-1.34	7.14E-06	0.001514	Intergenic
chr16	21176901	21178000		Down	-1.34	1.50E-05	0.002623	Intergenic
chr6	139279401	139281100		Down	-1.34	2.42E-05	0.003752	Intergenic
chr1	244170701	244171900	Pdxdc1	Down	-1.35	1.73E-07	0.000138	Genebody
chr10	99879301	99881200	Nup107	Down	-1.35	2.36E-06	0.000671	Genebody
chr14	85140701	85141700	Spetex-2C	Down	-1.35	1.16E-05	0.002175	Genebody
chr2	244998801	244999800	Sult2a2	Down	-1.35	5.66E-05	0.006837	Genebody
chr3	166997601	166999600		Down	-1.35	2.84E-07	0.00019	Intergenic
chr2	56701	58600		Down	-1.35	3.55E-07	0.000212	Intergenic
chr17	59300201	59302900		Down	-1.35	3.60E-07	0.000214	Intergenic
chr6	139429201	139430500		Down	-1.35	3.63E-07	0.000215	Intergenic
chr8	42233401	42234800		Down	-1.35	6.32E-07	0.000291	Intergenic
chr17	53550901	53551900		Down	-1.35	1.43E-06	0.000488	Intergenic
chr12	4534601	4536100		Down	-1.35	1.83E-06	0.000571	Intergenic
chr15	51748701	51750300		Down	-1.35	4.43E-06	0.001059	Intergenic
chr2	169901	171800		Down	-1.35	6.45E-06	0.0014	Intergenic
chr13	96209001	96210000		Down	-1.35	7.04E-06	0.0015	Intergenic
chr14	21544201	21545300		Down	-1.35	1.04E-05	0.002029	Intergenic
chrX	129050001	129052100		Down	-1.35	1.96E-05	0.003197	Intergenic
chr6	139357501	139360400		Down	-1.35	2.02E-05	0.003271	Intergenic
chr17	67917101	67918100		Down	-1.35	2.12E-05	0.003405	Intergenic
chr1	883001	884000		Down	-1.35	5.89E-05	0.007031	Intergenic
chr2	1413701	1414800		Down	-1.35	6.50E-05	0.007547	Intergenic
chr16	27710201	27711400		Down	-1.35	9.70E-05	0.009847	Intergenic
chr17	76974901	76975900	Spetex-2C	Down	-1.36	2.36E-06	0.000671	Genebody
chr3	166384101	166385300	Cyp2b1	Down	-1.36	9.77E-06	0.001928	Genebody
chr15	5964801	5965900	Spag9	Down	-1.36	1.21E-05	0.002239	Genebody
chr20	45147101	45148100	Cyp2c7	Down	-1.36	1.64E-05	0.002808	Genebody
chr3	144930801	144931800	Vom2r22	Down	-1.36	1.87E-05	0.003088	Genebody
chr2	20053001	20054500	Tmem30a	Down	-1.36	4.04E-05	0.005389	Genebody
chr1	255861301	255862300	Vom2r64	Down	-1.36	7.74E-05	0.00848	Genebody
chr6	138998001	139000700		Down	-1.36	2.24E-07	0.000166	Intergenic
chr4	63370001	63371000		Down	-1.36	2.35E-07	0.00017	Intergenic
chr1	48329001	48330900		Down	-1.36	2.53E-07	0.000175	Intergenic
chr6	139036801	139038100		Down	-1.36	3.38E-07	0.000209	Intergenic
chr17	49637901	49639800		Down	-1.36	6.71E-07	0.000301	Intergenic
chr2	154324301	154325400		Down	-1.36	1.22E-06	0.000445	Intergenic
chrX	130049001	130050000		Down	-1.36	1.68E-06	0.000548	Intergenic
chr17	49675601	49679400		Down	-1.36	1.72E-06	0.000556	Intergenic
chrX	130525401	130529000		Down	-1.36	1.73E-06	0.000557	Intergenic
chr17	78008801	78010800		Down	-1.36	1.96E-06	0.000592	Intergenic
chr1	51548801	51550000		Down	-1.36	2.55E-06	0.000709	Intergenic
chr8	40265201	40266700		Down	-1.36	4.26E-06	0.001029	Intergenic
chr16	21479601	21480700		Down	-1.36	1.15E-05	0.002164	Intergenic
chr3	43825901	43826900		Down	-1.36	1.22E-05	0.002246	Intergenic
chr13	17943501	17944500		Down	-1.36	1.95E-05	0.003181	Intergenic
chr2	698501	699500		Down	-1.36	3.43E-05	0.004793	Intergenic

chr8	41796201	41797200		Down	-1.36	3.72E-05	0.005086	Intergenic
chr14	93502301	93503300		Down	-1.36	6.59E-05	0.007625	Intergenic
chr14	49494001	49495400		Down	-1.36	0.000174	0.016994	Intergenic
chr8	60694801	60695800	Aloxe3	Down	-1.37	1.09E-05	0.002084	3k promote
chr17	53606001	53607400	Tnks	Down	-1.37	1.63E-07	0.000132	Genebody
chr1	75076401	75077400	Sult2a2	Down	-1.37	2.14E-07	0.000161	Genebody
chr1	244093201	244094500	LOC300308	Down	-1.37	2.26E-07	0.000167	Genebody
chr4	27343801	27345000		Down	-1.37	5.65E-08	5.38E-05	Intergenic
chr2	25521001	25522600		Down	-1.37	3.89E-07	0.000225	Intergenic
chr17	49712301	49714600		Down	-1.37	7.62E-07	0.000324	Intergenic
chr9	5541601	5542600		Down	-1.37	2.00E-06	0.000603	Intergenic
chr1	111288801	111290000		Down	-1.37	3.66E-06	0.000927	Intergenic
chr6	138681401	138682800		Down	-1.37	4.18E-06	0.001017	Intergenic
chr16	14531101	14533000		Down	-1.37	4.76E-06	0.001121	Intergenic
chr16	27577701	27578800		Down	-1.37	4.86E-06	0.00113	Intergenic
chr1	112618101	112619100		Down	-1.37	4.89E-06	0.001133	Intergenic
chr8	36815401	36816500		Down	-1.37	6.02E-06	0.001325	Intergenic
chr1	52366301	52367300		Down	-1.37	3.50E-05	0.004856	Intergenic
chr4	5142501	5143500		Down	-1.37	4.50E-05	0.005829	Intergenic
chr15	4612601	4613600		Down	-1.37	5.07E-05	0.006313	Intergenic
chr1	51029401	51030400		Down	-1.37	7.43E-05	0.008255	Intergenic
chr2	1405201	1408300		Down	-1.37	0.000107	0.010679	Intergenic
chr8	36844101	36845800		Down	-1.37	0.000109	0.010882	Intergenic
chr1	73407601	73411800	Vom1r56	Down	-1.37	1.08E-06	0.000406	proximal pr
chr7	57074501	57076000	Spetex-2B	Down	-1.38	3.07E-07	0.000197	Genebody
chr5	61281801	61282800	Amph	Down	-1.38	1.31E-06	0.000461	Genebody
chr6	101471501	101472500	Vom2r40	Down	-1.38	6.70E-06	0.001444	Genebody
chr14	355401	357100		Down	-1.38	2.51E-07	0.000175	Intergenic
chr2	183506501	183507900		Down	-1.38	2.71E-07	0.000183	Intergenic
chr15	87926801	87928700		Down	-1.38	2.81E-07	0.000188	Intergenic
chr14	49250701	49252400		Down	-1.38	7.67E-07	0.000326	Intergenic
chr8	39908901	39912600		Down	-1.38	9.19E-07	0.000368	Intergenic
chr9	104987901	104989900		Down	-1.38	1.03E-06	0.000397	Intergenic
chr3	42683701	42686100		Down	-1.38	1.24E-06	0.000447	Intergenic
chr17	49313801	49318200		Down	-1.38	2.60E-06	0.00072	Intergenic
chrX	129558401	129559400		Down	-1.38	2.85E-06	0.000772	Intergenic
chr14	49820801	49821900		Down	-1.38	3.28E-06	0.000855	Intergenic
chr6	140031701	140033300		Down	-1.38	8.10E-06	0.001666	Intergenic
chr14	90423501	90424700		Down	-1.38	9.09E-06	0.001825	Intergenic
chr4	99812101	99813100		Down	-1.38	9.30E-06	0.001857	Intergenic
chr17	49585701	49592400		Down	-1.38	1.36E-05	0.00243	Intergenic
chr20	2479701	2480700		Down	-1.38	1.64E-05	0.00281	Intergenic
chr1	112641101	112642100		Down	-1.38	2.22E-05	0.003514	Intergenic
chr4	173531301	173532300		Down	-1.38	2.43E-05	0.003755	Intergenic
chr16	21288701	21290200		Down	-1.38	3.35E-05	0.0047	Intergenic
chr6	140937701	140939100		Down	-1.38	4.84E-05	0.006132	Intergenic
chr2	402601	404000		Down	-1.38	5.36E-05	0.00657	Intergenic
chr1	173350501	173351500		Down	-1.38	5.96E-05	0.007083	Intergenic

chr16	27546701	27548400		Down	-1.38	0.000267	0.025621	Intergenic
chr1	244068701	244069700	RGD15658	Down	-1.39	1.03E-07	9.13E-05	Genebody
chr9	1147901	1149800	Spetex-2H	Down	-1.39	2.20E-07	0.000164	Genebody
chr13	93078501	93079600	Cyp2c7	Down	-1.39	2.55E-07	0.000175	Genebody
chr16	27317301	27318900		Down	-1.39	8.55E-08	7.78E-05	Intergenic
chr14	49131201	49132700		Down	-1.39	5.66E-07	0.000275	Intergenic
chrX	129324101	129325900		Down	-1.39	5.87E-07	0.00028	Intergenic
chr1	50126001	50127000		Down	-1.39	7.16E-07	0.000311	Intergenic
chr6	139424101	139425400		Down	-1.39	8.32E-07	0.000344	Intergenic
chr6	138897401	138900100		Down	-1.39	1.01E-06	0.000391	Intergenic
chr6	139804301	139805300		Down	-1.39	1.45E-06	0.00049	Intergenic
chr8	39916501	39917700		Down	-1.39	3.85E-06	0.000955	Intergenic
chr17	49624901	49628300		Down	-1.39	5.50E-06	0.001236	Intergenic
chr1	111457201	111458200		Down	-1.39	5.78E-06	0.001286	Intergenic
chrX	130135401	130136500		Down	-1.39	7.94E-06	0.001638	Intergenic
chr2	154375401	154376900		Down	-1.39	1.31E-05	0.002362	Intergenic
chr6	5431801	5433000		Down	-1.39	1.79E-05	0.002998	Intergenic
chr16	22080001	22081100		Down	-1.39	2.30E-05	0.003607	Intergenic
chr16	31125201	31126300		Down	-1.39	2.56E-05	0.003861	Intergenic
chr1	519401	520600		Down	-1.39	3.85E-05	0.005211	Intergenic
chr16	27233701	27234900		Down	-1.39	0.000119	0.011768	Intergenic
chr15	53137901	53138900	Cyp2c7	Down	-1.4	3.62E-07	0.000215	Genebody
chr1	244162701	244163900	Mtmr3	Down	-1.4	3.74E-06	0.000938	Genebody
chr1	75005901	75007600	Prkacb	Down	-1.4	5.67E-05	0.006837	Genebody
chr10	21423401	21425300	Akr1c12l1	Down	-1.4	8.70E-05	0.009185	Genebody
chr18	76808401	76810400		Down	-1.4	2.27E-07	0.000167	Intergenic
chr9	717501	719400		Down	-1.4	5.38E-07	0.000269	Intergenic
chr6	139311301	139313600		Down	-1.4	5.97E-07	0.000284	Intergenic
chr1	112621001	112623200		Down	-1.4	9.05E-07	0.000364	Intergenic
chr8	42049901	42051300		Down	-1.4	1.05E-06	0.000402	Intergenic
chr14	48752401	48755500		Down	-1.4	1.61E-06	0.000529	Intergenic
chr9	5716101	5718500		Down	-1.4	3.90E-06	0.000964	Intergenic
chr6	91378501	91379700		Down	-1.4	5.49E-06	0.001236	Intergenic
chr1	112626501	112627600		Down	-1.4	1.28E-05	0.002337	Intergenic
chr1	52523501	52524500		Down	-1.4	1.60E-05	0.002766	Intergenic
chr8	39952701	39954200		Down	-1.4	3.38E-05	0.004724	Intergenic
chr20	2469601	2470600		Down	-1.4	5.30E-05	0.006516	Intergenic
chr13	70269201	70270700	Fig4	Down	-1.41	1.71E-05	0.002894	Genebody
chr2	256365101	256366100	Cbfa2t2	Down	-1.41	3.72E-05	0.005086	Genebody
chr16	27193201	27194500		Down	-1.41	2.98E-07	0.000194	Intergenic
chr16	39236601	39237900		Down	-1.41	3.05E-07	0.000197	Intergenic
chr1	75488401	75490000		Down	-1.41	3.35E-07	0.000208	Intergenic
chr8	40005601	40006600		Down	-1.41	2.49E-06	0.000696	Intergenic
chr2	221525301	221526300		Down	-1.41	2.61E-06	0.000722	Intergenic
chr13	15797201	15798200		Down	-1.41	2.81E-06	0.000763	Intergenic
chr20	36938301	36939300		Down	-1.41	4.81E-06	0.001123	Intergenic
chr8	93996101	93997100		Down	-1.41	4.95E-06	0.001144	Intergenic
chr5	93772201	93773300		Down	-1.41	1.04E-05	0.002021	Intergenic

chr14	21801	22800		Down	-1.41	4.48E-05	0.005813	Intergenic
chr6	139226001	139227400		Down	-1.41	0.000312	0.029652	Intergenic
chr7	19080801	19081900	Sorcs1	Down	-1.42	1.28E-05	0.002328	Genebody
chr6	140924301	140925800		Down	-1.42	1.86E-07	0.000145	Intergenic
chr9	5562601	5564400		Down	-1.42	2.93E-07	0.000194	Intergenic
chr2	1282701	1284300		Down	-1.42	3.31E-07	0.000208	Intergenic
chr4	99822601	99824400		Down	-1.42	3.89E-07	0.000225	Intergenic
chr1	75499501	75502000		Down	-1.42	4.03E-07	0.000229	Intergenic
chr14	21910001	21911400		Down	-1.42	4.48E-07	0.000241	Intergenic
chr14	49358001	49359200		Down	-1.42	4.64E-07	0.000244	Intergenic
chr4	161647901	161649800		Down	-1.42	8.03E-07	0.000335	Intergenic
chr7	18531601	18533800		Down	-1.42	1.94E-06	0.000591	Intergenic
chr9	5594201	5595300		Down	-1.42	3.51E-06	0.0009	Intergenic
chr17	49447701	49452300		Down	-1.42	3.70E-06	0.000934	Intergenic
chr9	809801	811800		Down	-1.42	8.26E-06	0.00169	Intergenic
chr9	5712301	5713300		Down	-1.42	1.82E-05	0.003044	Intergenic
chr12	17800201	17802100		Down	-1.42	3.02E-05	0.004361	Intergenic
chr14	49023801	49024800		Down	-1.42	3.57E-05	0.004923	Intergenic
chr4	17029701	17030700		Down	-1.42	7.40E-05	0.008238	Intergenic
chr7	19186601	19187600	Stxbp6	Down	-1.43	2.03E-07	0.000154	Genebody
chr1	75007701	75008700	Gphn	Down	-1.43	1.63E-05	0.002791	Genebody
chr7	19058501	19060100	Sult2a2	Down	-1.43	5.71E-05	0.00687	Genebody
chr8	39898001	39899700		Down	-1.43	2.54E-07	0.000175	Intergenic
chr11	66357801	66359300		Down	-1.43	4.93E-07	0.000253	Intergenic
chr2	1348001	1349200		Down	-1.43	6.73E-07	0.000301	Intergenic
chr8	40064901	40065900		Down	-1.43	1.47E-06	0.000497	Intergenic
chr8	26990501	26991500		Down	-1.43	3.03E-06	0.000806	Intergenic
chr14	48765701	48767700		Down	-1.43	3.88E-06	0.000963	Intergenic
chr1	77097701	77098700		Down	-1.43	3.93E-06	0.000971	Intergenic
chr4	57783901	57784900		Down	-1.43	5.97E-06	0.001318	Intergenic
chr1	229840001	229842400		Down	-1.43	7.25E-06	0.001528	Intergenic
chr11	67091901	67092900		Down	-1.43	7.64E-06	0.001594	Intergenic
chr14	49073501	49074500		Down	-1.43	9.95E-06	0.001954	Intergenic
chr16	21990301	21991500		Down	-1.43	1.10E-05	0.002104	Intergenic
chr1	86883001	86884000		Down	-1.43	2.14E-05	0.003431	Intergenic
chr14	49787201	49788200		Down	-1.43	3.25E-05	0.004608	Intergenic
chr6	139349101	139350100		Down	-1.43	6.20E-05	0.00729	Intergenic
chr16	20691101	20692100		Down	-1.43	8.37E-05	0.008974	Intergenic
chr17	72242201	72243500		Down	-1.43	0.000285	0.027244	Intergenic
chr10	86012601	86013700	Prl3d2	Down	-1.44	1.94E-07	0.000149	3k promote
chr14	43988601	43989600	Camta1	Down	-1.44	1.29E-07	0.00011	Genebody
chr1	243943601	243947200	Zcchc7	Down	-1.44	2.26E-05	0.003568	Genebody
chr2	1315401	1318300		Down	-1.44	2.43E-07	0.000174	Intergenic
chr6	68766901	68768500		Down	-1.44	4.04E-07	0.000229	Intergenic
chrX	129342401	129344100		Down	-1.44	6.28E-07	0.00029	Intergenic
chr2	154377601	154381100		Down	-1.44	9.40E-07	0.000373	Intergenic
chr6	139820301	139824900		Down	-1.44	1.68E-06	0.000546	Intergenic
chr3	108595701	108596900		Down	-1.44	2.07E-06	0.000619	Intergenic



chr5	53485701	53486700	Down	-1.44	7.30E-06	0.001535	Intergenic	
chr1	84759901	84760900	Down	-1.44	1.76E-05	0.002956	Intergenic	
chr1	134301	135400	Down	-1.44	3.36E-05	0.004713	Intergenic	
chr20	38371401	38372400	Down	-1.44	5.24E-05	0.006469	Intergenic	
chr8	43390101	43391300	Mpp5	Down	-1.45	8.75E-06	0.001767	Genebody
chr15	5948201	5949600	Cyp2c7	Down	-1.45	8.76E-06	0.001767	Genebody
chr18	38829401	38831100	Down	-1.45	1.99E-07	0.000152	Intergenic	
chr1	111727501	111729300	Down	-1.45	2.49E-07	0.000175	Intergenic	
chr1	172648801	172650700	Down	-1.45	2.95E-07	0.000194	Intergenic	
chr1	112628101	112629800	Down	-1.45	6.62E-07	0.000299	Intergenic	
chr20	37884901	37886600	Down	-1.45	1.12E-06	0.000416	Intergenic	
chr3	537601	538800	Down	-1.45	1.67E-06	0.000545	Intergenic	
chr2	1274301	1275400	Down	-1.45	1.87E-05	0.003087	Intergenic	
chr7	915101	916100	Down	-1.45	3.77E-05	0.005125	Intergenic	
chr9	4385101	4386600	Nrap	Down	-1.46	1.63E-07	0.000132	Genebody
chr1	74583101	74584500	Vom2r64	Down	-1.46	3.91E-07	0.000226	Genebody
chr1	243603001	243604600	Down	-1.46	1.46E-07	0.000121	Intergenic	
chr1	47751701	47752900	Down	-1.46	4.08E-07	0.000231	Intergenic	
chr2	563201	564200	Down	-1.46	4.15E-07	0.000232	Intergenic	
chr17	49709801	49712100	Down	-1.46	4.41E-07	0.000239	Intergenic	
chr16	27596701	27599700	Down	-1.46	1.88E-06	0.000579	Intergenic	
chr20	36886201	36887300	Down	-1.46	2.01E-06	0.000607	Intergenic	
chr8	25085701	25086700	Down	-1.46	2.99E-06	0.000796	Intergenic	
chr14	48777201	48782700	Down	-1.46	7.66E-06	0.001595	Intergenic	
chr17	49277101	49279100	Down	-1.46	9.98E-06	0.001958	Intergenic	
chr6	139784501	139785500	Down	-1.46	1.09E-05	0.002084	Intergenic	
chr2	39471301	39472300	Down	-1.46	2.82E-05	0.004161	Intergenic	
chr9	797601	798600	Down	-1.46	4.23E-05	0.005583	Intergenic	
chr14	49699501	49701000	Down	-1.47	3.38E-07	0.000209	Intergenic	
chr1	246450601	246451700	Down	-1.47	8.02E-07	0.000335	Intergenic	
chr9	802601	803600	Down	-1.47	2.66E-06	0.000731	Intergenic	
chr2	188557601	188558600	Down	-1.47	1.29E-05	0.002342	Intergenic	
chr17	49657001	49658100	Down	-1.47	3.29E-05	0.004639	Intergenic	
chr1	112612901	112613900	Down	-1.47	6.05E-05	0.007148	Intergenic	
chr10	55886801	55887900	Fam83h	Down	-1.48	1.12E-06	0.000415	3k promote
chr1	171192101	171193100	Cyp2c7	Down	-1.48	1.74E-07	0.000138	Genebody
chr15	5428101	5429900	Fndc3a	Down	-1.48	6.77E-06	0.001453	Genebody
chr1	112598101	112599500	Down	-1.48	5.85E-08	5.55E-05	Intergenic	
chr2	1683001	1684900	Down	-1.48	3.44E-07	0.00021	Intergenic	
chr3	138133601	138134900	Down	-1.48	4.15E-07	0.000232	Intergenic	
chr1	112591901	112594100	Down	-1.48	4.81E-07	0.000251	Intergenic	
chr2	1356401	1359000	Down	-1.48	5.13E-07	0.00026	Intergenic	
chr14	49630101	49632700	Down	-1.48	5.87E-07	0.00028	Intergenic	
chr4	57710501	57711600	Down	-1.48	2.21E-06	0.000645	Intergenic	
chr5	81612201	81614600	Down	-1.48	2.74E-06	0.000747	Intergenic	
chr6	139770801	139771900	Down	-1.48	2.82E-06	0.000763	Intergenic	
chr14	90877001	90879900	Down	-1.48	5.16E-06	0.001182	Intergenic	
chr1	38254601	38255600	Down	-1.48	7.08E-06	0.001506	Intergenic	

chr15	18172501	18173500		Down	-1.48	8.75E-06	0.001767	Intergenic
chr18	43043001	43044200		Down	-1.48	5.13E-05	0.006373	Intergenic
chr15	5089701	5091900	Amph	Down	-1.49	6.81E-07	0.000303	Genebody
chr2	20055301	20056500	Tbc1d5	Down	-1.49	3.64E-06	0.000923	Genebody
chr6	138842101	138844200		Down	-1.49	4.25E-07	0.000235	Intergenic
chr17	49598801	49602300		Down	-1.49	1.03E-06	0.000395	Intergenic
chr6	139527801	139529400		Down	-1.49	1.29E-06	0.000456	Intergenic
chr9	764001	765100		Down	-1.49	1.29E-06	0.000456	Intergenic
chrX	95070701	95072800		Down	-1.49	1.71E-06	0.000553	Intergenic
chr1	111677801	111679300		Down	-1.49	4.61E-06	0.001094	Intergenic
chr15	12305201	12306200		Down	-1.49	2.48E-05	0.003795	Intergenic
chr16	27405601	27406900		Down	-1.49	2.50E-05	0.003817	Intergenic
chr6	138663401	138665400		Down	-1.49	2.68E-05	0.004002	Intergenic
chr3	118933901	118934900		Down	-1.49	2.96E-05	0.004308	Intergenic
chr16	30973101	30974900		Down	-1.5	1.23E-07	0.000106	Intergenic
chr7	3345901	3348300		Down	-1.5	4.39E-07	0.000239	Intergenic
chr5	42110701	42112000		Down	-1.5	5.76E-07	0.000277	Intergenic
chr1	112582601	112584500		Down	-1.5	7.05E-07	0.000309	Intergenic
chr6	139935901	139937000		Down	-1.5	1.37E-06	0.000472	Intergenic
chr1	47924601	47925700		Down	-1.5	2.93E-06	0.000784	Intergenic
chr3	138267201	138268300		Down	-1.5	3.04E-06	0.000807	Intergenic
chr20	48988901	48990100		Down	-1.5	6.17E-06	0.001349	Intergenic
chr1	15269101	15270100		Down	-1.5	1.89E-05	0.003109	Intergenic
chr3	166999801	167001000		Down	-1.5	2.18E-05	0.003466	Intergenic
chr14	21904801	21906100		Down	-1.5	0.000108	0.010808	Intergenic
chr6	22162101	22164800	Tpgs1	Down	-1.51	1.58E-07	0.000129	Genebody
chr17	53559701	53560800	Xrcc4	Down	-1.51	2.25E-07	0.000166	Genebody
chr1	74949101	74950100	Gramd1b	Down	-1.51	1.90E-06	0.000582	Genebody
chr1	112587401	112589900		Down	-1.51	2.98E-07	0.000194	Intergenic
chr9	5865901	5867400		Down	-1.51	3.49E-07	0.000212	Intergenic
chr2	154381701	154383800		Down	-1.51	4.64E-07	0.000244	Intergenic
chr1	75736001	75737200		Down	-1.51	7.12E-07	0.000311	Intergenic
chr17	49714701	49718000		Down	-1.51	7.60E-07	0.000324	Intergenic
chr3	138149601	138151100		Down	-1.51	1.45E-05	0.002558	Intergenic
chr6	139015401	139016500		Down	-1.51	1.85E-05	0.003073	Intergenic
chr2	939701	942400		Down	-1.51	1.95E-05	0.003184	Intergenic
chr16	21168301	21169300		Down	-1.51	4.08E-05	0.005428	Intergenic
chr1	243610501	243611600		Down	-1.51	6.60E-05	0.007627	Intergenic
chr1	244098401	244099400	Sult2a2	Down	-1.52	5.98E-08	5.65E-05	Genebody
chr1	75108401	75109500	Phlpp1	Down	-1.52	2.03E-07	0.000154	Genebody
chr6	64484201	64485600	Sult1c2a	Down	-1.52	2.52E-07	0.000175	Genebody
chr9	1070301	1071600	Lrrc7	Down	-1.52	2.72E-06	0.000743	Genebody
chr1	75651601	75652600	LOC300308	Down	-1.52	1.76E-05	0.002961	Genebody
chr5	168539401	168541600	Sult2a2	Down	-1.52	3.91E-05	0.005268	Genebody
chr3	138156601	138158100		Down	-1.52	1.92E-07	0.000148	Intergenic
chr2	154415301	154417300		Down	-1.52	2.28E-07	0.000167	Intergenic
chr1	112468701	112470100		Down	-1.52	3.38E-07	0.000209	Intergenic
chr17	49633901	49636300		Down	-1.52	4.38E-07	0.000239	Intergenic

chr17	94183401	94184500		Down	-1.52	7.18E-07	0.000311	Intergenic
chr3	19046801	19048700		Down	-1.52	7.30E-07	0.000314	Intergenic
chr2	187215601	187216700		Down	-1.52	1.82E-06	0.000571	Intergenic
chr17	72292101	72293800		Down	-1.52	4.08E-06	0.001	Intergenic
chr3	2019901	2020900		Down	-1.52	7.12E-06	0.001512	Intergenic
chr4	23308601	23311300		Down	-1.52	9.40E-06	0.001874	Intergenic
chr17	49440901	49442400		Down	-1.52	1.70E-05	0.002892	Intergenic
chr2	154384801	154386000		Down	-1.52	4.72E-05	0.006021	Intergenic
chr1	147317801	147318800		Down	-1.52	8.53E-05	0.009091	Intergenic
chr1	112357601	112358600		Down	-1.53	1.13E-07	9.88E-05	Intergenic
chr2	1220501	1222200		Down	-1.53	2.47E-07	0.000175	Intergenic
chr16	27593001	27594800		Down	-1.53	1.19E-06	0.000437	Intergenic
chr1	51427001	51428500		Down	-1.53	1.40E-06	0.000481	Intergenic
chr1	4775001	4776400		Down	-1.53	3.49E-06	0.000897	Intergenic
chr14	49120301	49122000		Down	-1.53	2.09E-05	0.003359	Intergenic
chr1	243749301	243751300	Limch1	Down	-1.54	7.39E-08	6.81E-05	Genebody
chr12	27809101	27810100	Slc16a6	Down	-1.54	7.60E-05	0.008368	Genebody
chr2	154435801	154437700		Down	-1.54	1.91E-07	0.000147	Intergenic
chr14	49547601	49548900		Down	-1.54	3.18E-07	0.000202	Intergenic
chr2	564301	566700		Down	-1.54	5.64E-07	0.000275	Intergenic
chr17	49435401	49439300		Down	-1.54	5.83E-07	0.00028	Intergenic
chr7	5952401	5954400		Down	-1.54	6.09E-07	0.000285	Intergenic
chr6	140038901	140039900		Down	-1.54	6.22E-07	0.000288	Intergenic
chr18	38813001	38816300		Down	-1.54	6.54E-07	0.000297	Intergenic
chr1	62015001	62016000		Down	-1.54	1.11E-05	0.002112	Intergenic
chr3	138198901	138200100		Down	-1.54	4.98E-05	0.006237	Intergenic
chr6	139975001	139976100		Down	-1.54	5.36E-05	0.00657	Intergenic
chr12	17825001	17826100		Down	-1.54	0.000106	0.010659	Intergenic
chr12	18780501	18782300		Down	-1.55	3.49E-08	3.38E-05	Intergenic
chr6	139382301	139384000		Down	-1.55	1.18E-07	0.000103	Intergenic
chr1	243587801	243588800		Down	-1.55	5.07E-07	0.000258	Intergenic
chr3	9276501	9277700		Down	-1.55	1.24E-06	0.000447	Intergenic
chr4	120724901	120725900		Down	-1.55	4.55E-06	0.001082	Intergenic
chr8	40224601	40225600		Down	-1.55	6.82E-06	0.00146	Intergenic
chr3	140105601	140107400		Down	-1.55	1.62E-05	0.002783	Intergenic
chr4	167384401	167385400		Down	-1.55	7.32E-05	0.0082	Intergenic
chr3	138091401	138092400	Andpro	Down	-1.55	4.86E-05	0.006146	proximal pr
chr1	75060401	75062600	Xrcc4	Down	-1.56	1.46E-07	0.000121	Genebody
chr14	84446901	84448300	Amph	Down	-1.56	2.12E-06	0.000626	Genebody
chr6	100903401	100904600	Btbd10	Down	-1.56	1.17E-05	0.002189	Genebody
chr6	139045001	139047200		Down	-1.56	9.85E-08	8.80E-05	Intergenic
chr16	27549301	27551600		Down	-1.56	4.48E-07	0.000241	Intergenic
chr6	42637401	42638900		Down	-1.56	4.69E-07	0.000245	Intergenic
chr6	140940401	140941500		Down	-1.56	5.41E-07	0.00027	Intergenic
chr7	14345301	14346300		Down	-1.56	5.52E-07	0.000272	Intergenic
chr16	27683801	27684800		Down	-1.56	1.40E-06	0.000481	Intergenic
chr12	18178301	18179600		Down	-1.56	1.89E-06	0.000581	Intergenic
chr2	1440301	1443300		Down	-1.56	2.42E-06	0.000685	Intergenic

chr14	21906401	21908100		Down	-1.56	5.83E-05	0.006971	Intergenic
chr14	21550801	21553100		Down	-1.56	7.80E-05	0.008526	Intergenic
chr10	98858501	98859600	Sult2a2	Down	-1.57	6.93E-07	0.000305	Genebody
chr1	171992701	171994600	Sult2a2	Down	-1.57	1.61E-05	0.002777	Genebody
chr16	61008901	61010500	Cyp2c7	Down	-1.57	5.82E-05	0.006967	Genebody
chr3	844801	846800		Down	-1.57	8.87E-08	8.01E-05	Intergenic
chr16	31122501	31123700		Down	-1.57	2.50E-07	0.000175	Intergenic
chr1	75517901	75519800		Down	-1.57	3.33E-07	0.000208	Intergenic
chr14	38001	39100		Down	-1.57	1.83E-06	0.000571	Intergenic
chr11	86925401	86926600		Down	-1.57	7.75E-05	0.008485	Intergenic
chr1	74701001	74702000	Spon1	Down	-1.58	9.85E-06	0.001939	Genebody
chrX	130090101	130091300		Down	-1.58	1.00E-06	0.000389	Intergenic
chr3	167190001	167191100		Down	-1.58	3.31E-06	0.000861	Intergenic
chr8	39765301	39766400		Down	-1.58	8.02E-06	0.001652	Intergenic
chr12	19383301	19384800		Down	-1.58	0.000109	0.010857	Intergenic
chr1	74706301	74707300	Sult2a1	Down	-1.59	4.85E-06	0.001128	Genebody
chr1	243947801	243949900	Sult2a1	Down	-1.59	2.91E-05	0.00425	Genebody
chr5	92842301	92844200		Down	-1.59	7.02E-09	6.92E-06	Intergenic
chr1	75965001	75966500		Down	-1.59	1.60E-07	0.00013	Intergenic
chr1	111706601	111707900		Down	-1.59	2.78E-07	0.000187	Intergenic
chr11	21094201	21095300		Down	-1.59	4.54E-07	0.000242	Intergenic
chr2	154310501	154313400		Down	-1.59	5.64E-07	0.000275	Intergenic
chr3	138192901	138193900		Down	-1.59	6.04E-07	0.000285	Intergenic
chr2	136317501	136318600		Down	-1.59	1.17E-06	0.00043	Intergenic
chr3	138050201	138052600		Down	-1.6	4.28E-07	0.000236	Intergenic
chr1	75750801	75751900		Down	-1.6	4.91E-07	0.000253	Intergenic
chr4	57791101	57792900		Down	-1.6	6.04E-07	0.000285	Intergenic
chr16	20693501	20694900		Down	-1.6	1.99E-06	0.000603	Intergenic
chr17	49533801	49535500		Down	-1.6	2.33E-06	0.000669	Intergenic
chr2	136020901	136022800		Down	-1.6	3.81E-06	0.000949	Intergenic
chr15	5591801	5593100	Cyp2c7	Down	-1.61	2.34E-07	0.00017	Genebody
chr1	75024201	75026100	Sult2a2	Down	-1.61	5.74E-06	0.001282	Genebody
chr1	243624601	243625600		Down	-1.61	3.11E-07	0.000199	Intergenic
chr5	53534401	53535500		Down	-1.61	7.25E-07	0.000313	Intergenic
chr6	138832901	138834600		Down	-1.61	4.26E-06	0.001029	Intergenic
chr6	139934201	139935600		Down	-1.61	1.08E-05	0.002069	Intergenic
chr3	165674401	165676000		Down	-1.61	2.77E-05	0.004092	Intergenic
chr1	51356301	51357300		Down	-1.61	7.81E-05	0.008528	Intergenic
chr15	6021201	6022700	Brca1	Down	-1.62	4.94E-06	0.001144	Genebody
chr17	53570801	53572000	Spetex-2D	Down	-1.62	2.93E-05	0.004269	Genebody
chr2	1218201	1219400		Down	-1.62	2.99E-07	0.000194	Intergenic
chr6	138831001	138832500		Down	-1.62	5.18E-07	0.000262	Intergenic
chr14	48965701	48967700		Down	-1.62	5.99E-07	0.000284	Intergenic
chr4	167404901	167406300		Down	-1.62	6.77E-07	0.000302	Intergenic
chr3	138187401	138188400		Down	-1.62	1.39E-06	0.000479	Intergenic
chr8	39947401	39948500		Down	-1.62	1.16E-05	0.002176	Intergenic
chrX	49029301	49030600	Sult2a2	Down	-1.63	2.13E-06	0.000627	Genebody
chr14	50601	51900	Vkorc1l1	Down	-1.63	4.50E-05	0.005831	Genebody

chr1	1066401	1067600		Down	-1.63	3.30E-07	0.000208	Intergenic
chr17	49647801	49650600		Down	-1.63	3.36E-07	0.000208	Intergenic
chr4	99818601	99819900		Down	-1.63	9.37E-07	0.000373	Intergenic
chr8	40057701	40058700		Down	-1.63	2.11E-06	0.000624	Intergenic
chr4	57744001	57745000		Down	-1.63	5.14E-05	0.006375	Intergenic
chrX	128862701	128863700		Down	-1.64	8.75E-07	0.000355	Intergenic
chr17	44563701	44565500	Vom1r56	Down	-1.65	4.04E-06	0.000992	3k promote
chr14	49572701	49573800		Down	-1.65	4.83E-07	0.000251	Intergenic
chr2	154401601	154402600		Down	-1.65	1.60E-06	0.000527	Intergenic
chr5	126114001	126115000		Down	-1.65	3.09E-06	0.000815	Intergenic
chr1	75742901	75743900		Down	-1.65	5.63E-05	0.006808	Intergenic
chr13	17933001	17934600		Down	-1.65	8.16E-05	0.008815	Intergenic
chr4	57734501	57736100		Down	-1.66	1.92E-07	0.000148	Intergenic
chr3	530301	531300		Down	-1.66	1.56E-06	0.000519	Intergenic
chr14	21912501	21913600		Down	-1.66	0.000177	0.017242	Intergenic
chr7	114042701	114043700	Andpro	Down	-1.67	2.59E-07	0.000176	3k promote
chr1	74974601	74975700	Vom2r22	Down	-1.67	2.45E-07	0.000175	Genebody
chr1	61970301	61971400	Cyp2c7	Down	-1.67	2.29E-05	0.003601	Genebody
chr14	42488001	42489500		Down	-1.67	1.85E-07	0.000144	Intergenic
chr2	41368801	41369800		Down	-1.67	1.78E-06	0.000565	Intergenic
chr12	17810501	17811700		Down	-1.68	1.65E-07	0.000132	Intergenic
chr7	8408401	8411000		Down	-1.68	6.57E-07	0.000297	Intergenic
chr20	36883801	36885600		Down	-1.68	7.71E-06	0.001602	Intergenic
chr17	72355901	72356900		Down	-1.68	2.47E-05	0.003794	Intergenic
chr14	21924701	21926000		Down	-1.68	5.30E-05	0.006514	Intergenic
chr10	90561401	90562500	Sult2a2	Down	-1.69	1.46E-05	0.002565	Genebody
chr1	244197601	244198600	Vom2r65	Down	-1.69	7.21E-05	0.00811	Genebody
chr13	12365701	12367000	Sult2a2	Down	-1.69	7.47E-05	0.008264	Genebody
chr1	224470301	224472600		Down	-1.69	1.40E-07	0.000117	Intergenic
chr8	11522801	11523800		Down	-1.69	9.68E-07	0.000382	Intergenic
chr3	138090301	138091300	Exoc2	Down	-1.7	2.72E-05	0.004042	3k promote
chr12	18721601	18723100	Prep	Down	-1.7	6.03E-07	0.000285	Genebody
chr3	167159201	167160300		Down	-1.7	2.03E-07	0.000154	Intergenic
chr1	111719401	111721400		Down	-1.7	3.96E-07	0.000227	Intergenic
chr2	96256201	96257200		Down	-1.7	1.83E-06	0.000571	Intergenic
chr9	592801	593800		Down	-1.7	4.69E-06	0.001107	Intergenic
chr16	89938401	89940300	Slc10a2	Down	-1.7	2.76E-07	0.000186	proximal pr
chr1	104881701	104882700		Down	-1.71	5.67E-07	0.000275	Intergenic
chr1	63192801	63193900		Down	-1.71	3.82E-06	0.000951	Intergenic
chr6	138647601	138648700		Down	-1.71	5.75E-06	0.001283	Intergenic
chr11	2740501	2741500		Down	-1.71	4.58E-05	0.005886	Intergenic
chr17	39952501	39953500	Sult2a2	Down	-1.72	6.91E-08	6.45E-05	3k promote
chr6	140923101	140924100		Down	-1.73	1.65E-07	0.000132	Intergenic
chr2	154292201	154295100		Down	-1.73	7.45E-07	0.000319	Intergenic
chr17	49651401	49653100		Down	-1.73	0.000354	0.033581	Intergenic
chr2	20056901	20057900	Vom2r64	Down	-1.74	6.31E-05	0.007373	Genebody
chr12	18233901	18235100	Sult2a2	Down	-1.74	8.83E-05	0.009285	Genebody
chr11	80956501	80957700		Down	-1.74	1.77E-07	0.000139	Intergenic

chr9	5543001	5544000		Down	-1.74	2.31E-07	0.000168	Intergenic
chr20	36915401	36917600		Down	-1.74	2.38E-07	0.000171	Intergenic
chr8	40055201	40056400		Down	-1.74	2.76E-07	0.000186	Intergenic
chr17	49630801	49631900		Down	-1.74	2.91E-06	0.000781	Intergenic
chr20	36887701	36888900		Down	-1.74	3.09E-06	0.000815	Intergenic
chr1	111682901	111684000		Down	-1.74	5.56E-06	0.00125	Intergenic
chr1	75502301	75503500		Down	-1.74	8.83E-06	0.00178	Intergenic
chr15	9631101	9632100		Down	-1.75	3.74E-07	0.000219	Intergenic
chr6	139864201	139865300		Down	-1.75	2.44E-05	0.003768	Intergenic
chr4	99810501	99811500		Down	-1.75	3.88E-05	0.005236	Intergenic
chr6	139289301	139290300		Down	-1.75	5.65E-05	0.006825	Intergenic
chr17	50030501	50031700		Down	-1.75	0.000199	0.019253	Intergenic
chr4	57780901	57782100		Down	-1.76	1.03E-07	9.13E-05	Intergenic
chr14	21936601	21939200		Down	-1.76	2.99E-07	0.000194	Intergenic
chr1	514901	516000		Down	-1.76	3.25E-07	0.000206	Intergenic
chr1	244159601	244160700	Cyp2c7	Down	-1.77	9.40E-05	0.009667	Genebody
chr1	112671401	112672900		Down	-1.77	2.46E-07	0.000175	Intergenic
chr6	139938301	139939300		Down	-1.77	4.56E-05	0.005875	Intergenic
chr1	204401	205400		Down	-1.77	5.08E-05	0.006323	Intergenic
chr6	139287901	139289000		Down	-1.78	1.76E-07	0.000139	Intergenic
chr7	11547701	11549200	Cyp2c7	Down	-1.79	1.41E-07	0.000118	Genebody
chr4	97847101	97848800		Down	-1.79	3.78E-08	3.65E-05	Intergenic
chr1	112631301	112632500		Down	-1.79	1.37E-07	0.000116	Intergenic
chr7	8412101	8414000		Down	-1.79	9.42E-07	0.000373	Intergenic
chr15	60114301	60115300		Down	-1.79	2.11E-05	0.003384	Intergenic
chr1	554301	555300		Down	-1.8	4.78E-06	0.001123	Intergenic
chr1	243709801	243711100	Htr7	Down	-1.81	1.60E-07	0.00013	Genebody
chr1	262645101	262646900	Xrcc4	Down	-1.81	1.55E-05	0.002702	Genebody
chr20	38234901	38235900		Down	-1.81	2.56E-07	0.000175	Intergenic
chr3	138136201	138137200		Down	-1.81	4.80E-06	0.001123	Intergenic
chr16	31072701	31073700		Down	-1.81	5.31E-06	0.001207	Intergenic
chr1	10512101	10513100		Down	-1.83	3.71E-07	0.000218	Intergenic
chr4	167727301	167728400		Down	-1.83	4.80E-06	0.001123	Intergenic
chr2	135519901	135520900		Down	-1.84	8.77E-08	7.95E-05	Intergenic
chr13	38895901	38897400		Down	-1.84	8.55E-06	0.001739	Intergenic
chr9	926501	927500		Down	-1.85	1.21E-07	0.000104	Intergenic
chr18	80875501	80876600		Down	-1.85	2.24E-07	0.000166	Intergenic
chr13	17944901	17947800		Down	-1.85	3.53E-06	0.000903	Intergenic
chr4	99951101	99952100		Down	-1.85	3.07E-05	0.004416	Intergenic
chr12	4531601	4532600		Down	-1.86	3.00E-07	0.000194	Intergenic
chr1	111696101	111697300		Down	-1.87	3.18E-06	0.000836	Intergenic
chr4	103037401	103038400		Down	-1.87	3.29E-05	0.004639	Intergenic
chr7	31570601	31571600		Down	-1.87	4.99E-05	0.006239	Intergenic
chr1	240200701	240201900	Aph1b	Down	-1.89	2.99E-05	0.004331	Genebody
chr1	74966701	74968200	Sult2a2	Down	-1.89	9.58E-05	0.00977	Genebody
chr14	49193901	49194900		Down	-1.89	2.87E-07	0.00019	Intergenic
chr8	71121501	71122500	Vom2r18	Down	-1.9	1.91E-07	0.000147	Genebody
chr6	138782701	138783800		Down	-1.9	2.58E-07	0.000176	Intergenic

chr1	111151301	111152300		Down	-1.9	2.53E-05	0.003844	Intergenic
chr1	75467601	75468600		Down	-1.9	3.81E-05	0.005169	Intergenic
chr1	74702201	74703200	Sult2a2	Down	-1.91	1.49E-07	0.000124	Genebody
chr6	50440801	50441800		Down	-1.92	5.63E-08	5.38E-05	Intergenic
chr4	167545201	167546200		Down	-1.92	1.40E-06	0.000482	Intergenic
chr1	61749001	61750000	Sult1c2a	Down	-1.93	1.91E-06	0.000586	Genebody
chr1	243725901	243727300	Vom2r63	Down	-1.94	6.75E-08	6.32E-05	Genebody
chr9	1038301	1039300	Cyp2c7	Down	-1.95	7.45E-05	0.008255	Genebody
chr1	112485301	112486300		Down	-1.97	2.70E-05	0.004028	Intergenic
chr1	111674801	111675900		Down	-1.97	3.06E-05	0.004402	Intergenic
chr15	5356901	5358600	Cyp2c7	Down	-1.98	1.04E-07	9.21E-05	Genebody
chr1	74984801	74986000	Hbb	Down	-1.98	5.95E-05	0.00708	Genebody
chr4	167542801	167543800		Down	-1.99	9.49E-08	8.51E-05	Intergenic
chr7	18033401	18034400		Down	-2.02	2.54E-07	0.000175	Intergenic
chr7	18283901	18284900		Down	-2.03	8.90E-06	0.001794	Intergenic
chr8	42107401	42108400		Down	-2.1	1.09E-07	9.62E-05	Intergenic
chr1	244419701	244420700	Cyp2c7	Down	-2.24	2.10E-06	0.000624	Genebody

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