

GeneRank	CASI	zScore_CASI	ENSEMBL ID	gene symbol	chr	strand	exon start	exon end	support from alternative splice junction
1	0	-8.75	ENSG00000132475	H3F3B	chr17	-	71284112	71286399	no
1	0	-11.41	ENSG00000150753	CCT5	chr5	+	10317768	10319501	no
1	0	-10.17	ENSG00000198563	ATP6V1G2	chr6	-	31620218	31621337	no
1	0	-2.94	ENSG00000198563	ATP6V1G2	chr6	-	31617706	31617904	no
1	0	-2.35	ENSG00000198563	ATP6V1G2	chr6	-	31608169	31611241	"yes,JnId_h_67553;JnId_h_67554;JnId_h_67554"
1	0	-2.49	ENSG00000198563	ATP6V1G2	chr6	-	31607052	31607500	no
1	0	-2.03	ENSG00000198563	ATP6V1G2	chr6	-	31605975	31606206	no
1	0	-10.38	ENSG00000169045	HNRPH1	chr5	-	178982644	178984276	"yes,JnId_h_66650;JnId_h_66651;JnId_h_66651;JnId_h_66652;JnId_h_66652;JnId_h_66644;JnId_h_66644"
1	0	-5.02	ENSG00000169045	HNRPH1	chr5	-	178973795	178974566	yes,JnId_h_66635
1	0	-2.93	ENSG00000196531	NACA	chr12	-	55405314	55407248	no
1	0	-2.07	ENSG00000196531	NACA	chr12	-	55392484	55392603	no
1	0	-4.87	ENSG00000100297	MCM5	chr22	+	34136402	34136903	no
1	0	-9.33	ENSG00000100297	MCM5	chr22	+	34147311	34150494	"yes,JnId_h_54248;JnId_h_54249;JnId_h_54249"
1	0	-4.34	ENSG00000009307	NRAS	chr1	-	115081615	115081707	"yes,JnId_h_4828;JnId_h_4833"
1	0	-2.26	ENSG00000009307	NRAS	chr1	-	115060802	115062360	no
1	0	-4.02	ENSG00000009307	NRAS	chr1	-	115060194	115060321	no
1	0	-3.59	ENSG00000009307	NRAS	chr1	-	115057944	115058122	no
1	0	-3.71	ENSG00000009307	NRAS	chr1	-	115053713	115053872	no
1	0	-4.42	ENSG00000009307	NRAS	chr1	-	115052675	115052798	no
1	0	-2.57	ENSG00000009307	NRAS	chr1	-	115052298	115052336	no
1	0	-5.11	ENSG00000009307	NRAS	chr1	-	115048613	115052194	no
1	0	-2.29	ENSG00000099995	SF3A1	chr22	-	29082719	29082913	no
1	0	-4.38	ENSG00000099995	SF3A1	chr22	-	29057979	29060684	no
1	0	-5.12	ENSG00000092199	HNRPC	chr14	-	20768957	20769071	yes,JnId_h_22836
1	0	-10.76	ENSG00000092199	HNRPC	chr14	-	20747138	20749305	no
1	0	-5.91	ENSG00000138326	RPS24	chr10	+	79484295	79485198	no
1	0	-4	ENSG00000163479	SSR2	chr1	-	154246636	154251484	yes,JnId_h_5931
1	0	-3.27	ENSG00000175390	EIF3S5	chr11	+	7965460	7965839	no
1	0	-20.84	ENSG00000175390	EIF3S5	chr11	+	7974068	7976283	no
1	0	-2.97	ENSG00000072501	SMC1A	chrX	-	53466166	53466343	yes,JnId_h_81378
1	0	-15.99	ENSG00000072501	SMC1A	chrX	-	53465570	53465848	"yes,JnId_h_81376;JnId_h_81378"
1	0	-8.62	ENSG00000072501	SMC1A	chrX	-	53417795	53423832	no
1	0	-231.08	ENSG00000089009	RPL6	chr12	-	111331598	111331826	"yes,JnId_h_20149;JnId_h_20146;JnId_h_20148"
1	0	-6.36	ENSG00000164587	RPS14	chr5	-	149802945	149804109	no
1	0	-4.65	ENSG00000026025	VIM	chr10	+	17312009	17312715	no
1	0	-2.46	ENSG00000026025	VIM	chr10	+	17317174	17318384	"yes,JnId_h_9094;JnId_h_9095;JnId_h_9096;JnId_h_9096;JnId_h_9093"
1	0	-2.08	ENSG00000026025	VIM	chr10	+	17319235	17319598	no
1	0	-13.36	ENSG00000122566	HNRPA2B1	chr7	-	26203767	26206929	"yes,JnId_h_71352;JnId_h_71353;JnId_h_71353;JnId_h_71354;JnId_h_71354"
1	0	-14.07	ENSG00000122566	HNRPA2B1	chr7	-	26196459	26198722	"yes,JnId_h_71340;JnId_h_71341;JnId_h_71341"
1	0	-2.63	ENSG00000174886	NDUFA11	chr19	-	5845686	5845865	no
1	0	-19.54	ENSG00000144713	RPL32	chr3	-	12850989	12852722	no
1	0	-3.57	ENSG00000137154	RPS6	chr9	-	19365713	19366386	yes,JnId_h_77115
1	0	-2.9	ENSG00000138430	GTPBP9	chr2	-	174821426	174821611	no
1	0	-8.67	ENSG00000138430	GTPBP9	chr2	-	174645421	174648501	no
1	0	-2.23	ENSG00000163931	TKT	chr3	-	53234807	53234987	"yes,JnId_b_46327;JnId_b_46328"
1	0	-16.28	ENSG00000163931	TKT	chr3	-	53233770	53234665	no
1	0	-42.49	ENSG00000196262	PPIA	chr7	+	44807411	44809240	no
1	0	-13.65	ENSG00000149925	ALDOA	chr16	+	29982551	29983070	no
1	0	-4.4	ENSG00000149925	ALDOA	chr16	+	29983246	29983327	no
1	0	-2.57	ENSG00000149925	ALDOA	chr16	+	29988939	29989235	yes,JnId_b_23910
1	0	-9.24	ENSG00000070756	PABPC1	chr8	-	101802795	101804115	"yes,JnId_h_75966;JnId_h_75965"
1	0	-14.68	ENSG00000070756	PABPC1	chr8	-	101784320	101784763	yes,JnId_b_60849
1	0	-2.34	ENSG00000189043	NDUFA4	chr7	-	10938143	10939844	no
1	0	-3.8	ENSG00000127022	CANX	chr5	+	179058536	179058709	yes,JnId_h_66654
1	0	-5.4	ENSG00000127022	CANX	chr5	+	179088198	179091243	no
1	0	-6.46	ENSG00000115053	NCL	chr2	-	232027704	232028222	no
1	0	-2.16	ENSG00000126067	PSMB2	chr1	-	35839772	35841562	no
1	0	-6.37	ENSG00000126067	PSMB2	chr1	-	35808000	35812886	no
1	0	-5.62	ENSG00000125691	RPL23	chr17	-	34263477	34263579	yes,JnId_h_34679
1	0	-6.28	ENSG00000125691	RPL23	chr17	-	34259020	34259993	no
1	0	-4.78	ENSG00000198700	IPO9	chr1	+	200064892	200065123	no
1	0	-2.05	ENSG00000198700	IPO9	chr1	+	200083303	200083389	no
1	0	-2.89	ENSG00000198700	IPO9	chr1	+	200087855	200087943	no

1	0	-3.65	ENSG00000198700	IPO9	chr1	+	200091534	200091685	"yes,JnId_h_7119;JnId_h_7120"
1	0	-8.8	ENSG00000198700	IPO9	chr1	+	200111695	200120045	yes,JnId_h_7133
1	0	-2.59	ENSG00000142937	RPS8	chr1	+	45013696	45013859	no
1	0	-5.41	ENSG00000117242	DDOST	chr1	-	20847395	20851608	no
1	0	-7.26	ENSG00000104529	EEF1D	chr8	-	144742304	144743394	"yes,JnId_h_76546;JnId_h_76547"
1	0	-2.54	ENSG00000104529	EEF1D	chr8	-	144733041	144733143	no
1	0	-2.85	ENSG00000165119	HNRPK	chr9	-	85785238	85785339	no
1	0	-5.25	ENSG00000165119	HNRPK	chr9	-	85784888	85784985	yes,JnId_h_77929
1	0	-21.75	ENSG00000165119	HNRPK	chr9	-	85780197	85780843	no
1	0	-8.37	ENSG00000165119	HNRPK	chr9	-	85772818	85774175	no
1	0	-2.26	ENSG00000065150	RANBP5	chr13	+	97426948	97427041	no
1	0	-5.72	ENSG00000065150	RANBP5	chr13	+	97471991	97474552	no
1	0	-6.31	ENSG00000135390	ATP5G2	chr12	-	52356227	52357449	no
1	0	-3.82	ENSG00000142864	SERBP1	chr1	-	67646081	67651534	no
1	0	-19.24	ENSG00000105372	RPS19	chr19	+	47055828	47056199	no
1	0	-2.47	ENSG00000154380	ENAH	chr1	-	223771521	223772315	"yes,JnId_h_7854;JnId_h_7860"
1	0	-2.41	ENSG00000154380	ENAH	chr1	-	223768921	223769722	"yes,JnId_h_7854;JnId_h_7856;JnId_h_7859"
1	0	-2.51	ENSG00000154380	ENAH	chr1	-	223755317	223755581	yes,JnId_h_7854
1	0	-4.39	ENSG00000154380	ENAH	chr1	-	223741157	223752137	no
1	0	-3.96	ENSG00000108107	RPL28	chr19	+	60591423	60595261	"yes,JnId_h_44017;JnId_h_44016"
1	0	-14.18	ENSG00000092621	PHGDH	chr1	+	120063773	120065467	yes,JnId_h_4958
1	0	-6.18	ENSG00000112339	HBS1L	chr6	-	135398688	135400857	yes,JnId_h_70032
1	0	-4.27	ENSG00000112339	HBS1L	chr6	-	135345289	135346404	no
1	0	-5.16	ENSG00000112339	HBS1L	chr6	-	135323209	135328121	no
1	0	-11.5	ENSG00000187109	NAP1L1	chr12	-	74726227	74728511	yes,JnId_h_19128
1	0	-6.68	ENSG00000198034	RPS4X	chrX	-	71410830	71411010	no
1	0	-2.87	ENSG00000198034	RPS4X	chrX	-	71408617	71409347	no
1	0	-16.01	ENSG00000102144	PGK1	chrX	+	77267943	77271449	no
1	0	-4.92	ENSG00000080824	HSP90AA1	chr14	-	101617139	101617911	yes,JnId_b_19987
1	0	-7.18	ENSG00000180879	SSR4	chrX	+	152712165	152713234	no
1	0	-2.26	ENSG00000152795	HNRPDL	chr4	-	83565740	83565844	no
1	0	-2.6	ENSG00000152795	HNRPDL	chr4	-	83564508	83565060	no
1	0	-4.15	ENSG00000152795	HNRPDL	chr4	-	83563388	83564373	no
1	0	-21.26	ENSG00000140350	ANP32A	chr15	-	66868636	66871641	no
1	0	-3.9	ENSG00000140350	ANP32A	chr15	-	66858321	66859535	no
1	0	-9.23	ENSG00000188428	TXNDC5	chr6	-	8009497	8009646	no
1	0	-9.03	ENSG00000188428	TXNDC5	chr6	-	7986371	7986500	no
1	0	-11.43	ENSG00000188428	TXNDC5	chr6	-	7958799	7961060	yes,JnId_b_53513
1	0	-3.06	ENSG00000188428	TXNDC5	chr6	-	7855746	7856014	yes,JnId_b_53513
1	0	-6.36	ENSG00000161960	EIF4A1	chr17	+	7416748	7416906	no
1	0	-4.24	ENSG00000161960	EIF4A1	chr17	+	7422384	7423048	yes,JnId_h_33124
1	0	-2.18	ENSG00000155660	PDIA4	chr7	-	148356346	148356675	yes,JnId_h_73900
1	0	-4.49	ENSG00000155660	PDIA4	chr7	-	148331098	148332234	no
1	0	-2.25	ENSG00000197958	RPL12	chr9	-	129249774	129250089	yes,JnId_h_79106
1	0	-9.2	ENSG00000067225	PKM2	chr15	-	70310291	70310738	"yes,JnId_h_27206;JnId_h_27207"
1	0	-15.52	ENSG00000067225	PKM2	chr15	-	70282417	70282583	yes,JnId_h_27197
1	0	-3.21	ENSG00000196084	Q3MIH3	chr19	+	18543614	18543719	yes,JnId_h_41594
1	0	-4.01	ENSG00000196084	Q3MIH3	chr19	+	18546867	18549269	no
1	0	-4.38	ENSG00000009413	REV3L	chr6	-	111726924	111728052	no
1	0	-3.54	ENSG00000142541	RPL13A	chr19	+	54686798	54687374	yes,JnId_h_43517
1	0	-2.97	ENSG00000129351	ILF3	chr19	+	10625980	10626163	yes,JnId_b_32267
1	0	-2.3	ENSG00000129351	ILF3	chr19	+	10656092	10656152	"yes,JnId_h_40610;JnId_h_40617;JnId_h_40618;JnId_h_40619"
1	0	-2.36	ENSG00000129351	ILF3	chr19	+	10659022	10659384	"yes,JnId_h_40610;JnId_h_40619;JnId_h_40622"
1	0	-4.63	ENSG00000129351	ILF3	chr19	+	10660855	10664095	yes,JnId_h_40623
1	0	-15.44	ENSG00000044574	HSPA5	chr9	-	127036953	127039254	no
61	8.69e-310	-5.65	ENSG00000101294	HM13	chr20	+	29589643	29591257	yes,JnId_h_50614
61	8.69e-310	-7.15	ENSG00000101294	HM13	chr20	+	29619542	29619744	"yes,JnId_h_50614;JnId_h_50625"
62	3.51e-308	-2.82	ENSG00000132507	EIF5AP1	chr17	+	7151416	7151795	yes,JnId_h_33015
63	1.73e-305	-9.73	ENSG00000179335	CLK3	chr15	+	72719271	72724807	no
64	5.03e-296	-3.54	ENSG00000109475	RPL34	chr4	+	109770626	109771086	no
65	2.23e-295	-3.9	ENSG00000125971	DYNLRB1	chr20	+	32567865	32568342	no
66	1.04e-288	-4.77	ENSG00000204435	LY6G5B	chr6	+	31746135	31747040	yes,JnId_b_54081
66	1.04e-288	-5.29	ENSG00000204435	LY6G5B	chr6	+	31747620	31749264	no
67	1.18e-282	-3.62	ENSG00000132522	GPS2	chr17	-	7173074	7173362	no

67	1.18e-282	-2.17	ENSG00000132522	GPS2	chr17	-	7159374	7160370	no	
68	7.1e-282	-3.05	ENSG00000205726	ITSN1	chr21	+	34131161	34132668	no	
68	7.1e-282	-13.11	ENSG00000205726	ITSN1	chr21	+	34182326	34194035	no	
69	1.13e-280	-4.15	ENSG00000135387	CAPRIN1	chr11	+	34029806	34029994	no	
69	1.13e-280	-5.7	ENSG00000135387	CAPRIN1	chr11	+	34077426	34080733	no	
70	1.82e-277	-6.44	ENSG00000100129	EIF3S6IP	chr22	+	36574821	36575435	no	
70	1.82e-277	-2.66	ENSG00000100129	EIF3S6IP	chr22	+	36612718	36612798	no	
70	1.82e-277	-5.26	ENSG00000100129	EIF3S6IP	chr22	+	36614379	36614581	no	
71	3.15e-273	-3.33	ENSG00000108375	SUPT4H1	chr17	-	53789828	53791183	no	
71	3.15e-273	-2.62	ENSG00000108375	SUPT4H1	chr17	-	53784427	53787346	yes	JnId_b_28724
72	1.35e-271	-4.48	ENSG00000113387	SUB1	chr5	+	32636868	32639942	no	
73	1.97e-267	-3.34	ENSG00000131174	COX7B	chrX	+	77047337	77049526	no	
74	1.39e-266	-3.61	ENSG00000133318	RTN3	chr11	+	63282204	63283913	no	
75	7.04e-264	-2.52	ENSG00000174444	RPL4	chr15	-	64578697	64579044	no	
76	3.48e-258	-2.33	ENSG00000168028	RPSAP15	chr3	+	39423208	39423259	no	
77	5.39e-257	-2.62	ENSG00000140988	RPS2	chr16	-	1954451	1954630	yes	JnId_b_22569
78	5.65e-253	-21.02	ENSG00000135821	GLUL	chr1	-	180626255	180627964	no	
78	5.65e-253	-2.25	ENSG00000135821	GLUL	chr1	-	180624330	180624508	no	
78	5.65e-253	-9.05	ENSG00000135821	GLUL	chr1	-	180617462	180620481	no	
79	5.73e-251	-3.44	ENSG00000204628	GNB2L1	chr5	-	180597215	180597325	"yes	JnId_h_66801;JnId_h_66802"
79	5.73e-251	-7.67	ENSG00000204628	GNB2L1	chr5	-	180596532	180596648	"yes	JnId_h_66801;JnId_h_66802"
80	5.13e-250	-3.13	ENSG00000196642	C9orf86	chr9	+	138807092	138807530	no	
80	5.13e-250	-7.86	ENSG00000196642	C9orf86	chr9	+	138820351	138820945	no	
80	5.13e-250	-4.62	ENSG00000196642	C9orf86	chr9	+	138822013	138824308	no	
80	5.13e-250	-3.35	ENSG00000196642	C9orf86	chr9	+	138847993	138848589	yes	JnId_h_80177
80	5.13e-250	-2.95	ENSG00000196642	C9orf86	chr9	+	138854595	138855460	no	
81	3.73e-244	-6.99	ENSG00000175029	CTBP2	chr10	-	126838878	126839072	yes	JnId_h_11711
81	3.73e-244	-3.5	ENSG00000175029	CTBP2	chr10	-	126789549	126789652	yes	JnId_h_11710
81	3.73e-244	-2.84	ENSG00000175029	CTBP2	chr10	-	126666894	126668257	no	
82	2.86e-239	-11.52	ENSG00000205751	MRPL23	chr11	+	1951565	1956250	no	
83	7.37e-236	-5.68	ENSG00000197111	PCBP2	chr12	+	52132153	52132427	no	
83	7.37e-236	-5.92	ENSG00000197111	PCBP2	chr12	+	52159457	52159883	no	
84	2.16e-235	-4.92	ENSG00000172757	CFL1	chr11	-	65382144	65382677	no	
85	7.87e-233	-16.61	ENSG00000164104	HMGB2	chr4	-	174491998	174492851	no	
85	7.87e-233	-9.72	ENSG00000164104	HMGB2	chr4	-	174489434	174489964	no	
86	1.27e-231	-11.95	ENSG00000133030	C17orf84	chr17	+	17008699	17011954	yes	JnId_h_33580
86	1.27e-231	-2.05	ENSG00000133030	C17orf84	chr17	+	17024646	17024708	no	
86	1.27e-231	-2.93	ENSG00000133030	C17orf84	chr17	+	17028862	17029612	no	
87	1.37e-231	-5.13	ENSG00000112531	QKI	chr6	+	163905689	163911167	yes	JnId_h_70652
88	2.27e-226	-3.42	ENSG00000100353	EIF3S7	chr22	-	35255069	35255429	yes	JnId_b_43589
88	2.27e-226	-6.96	ENSG00000100353	EIF3S7	chr22	-	35236844	35236993	no	
89	1.00e-223	-2.86	ENSG00000170248	PDCD6IP	chr3	+	33882847	33886198	no	
90	2.05e-222	-3.51	ENSG00000079805	DNM2	chr19	+	10684794	10685021	no	
90	2.05e-222	-3.78	ENSG00000079805	DNM2	chr19	+	10773964	10776400	no	
91	3.79e-221	-2.62	ENSG00000151366	NDUFC2	chr11	-	77457051	77458730	no	
92	1.45e-220	-6.71	ENSG00000116754	SFRS11	chr1	+	70443953	70444051	no	
92	1.45e-220	-4.45	ENSG00000116754	SFRS11	chr1	+	70469819	70470648	yes	JnId_h_3823
92	1.45e-220	-8.29	ENSG00000116754	SFRS11	chr1	+	70488879	70491323	yes	JnId_h_3833
93	1.78e-220	-3.35	ENSG00000119318	RAD23B	chr9	+	109131645	109134291	no	
94	3.7e-219	-5.35	ENSG00000172115	CYCS	chr7	-	25124802	25129993	no	
95	5.04e-218	-2.25	ENSG00000156467	UQCRB	chr8	-	97311911	97312536	no	
96	7.08e-217	-4.99	ENSG00000023318	TXNDC4	chr9	-	101809681	101809792	no	
96	7.08e-217	-2.69	ENSG00000023318	TXNDC4	chr9	-	101787070	101787172	no	
96	7.08e-217	-18.72	ENSG00000023318	TXNDC4	chr9	-	101781282	101784816	no	
97	8.91e-215	-6.4	ENSG00000063244	U2AF2	chr19	+	60857228	60858331	no	
97	8.91e-215	-3.32	ENSG00000063244	U2AF2	chr19	+	60877112	60877893	yes	JnId_h_44051
98	9.29e-214	-4.48	ENSG00000113719	ERGIC1	chr5	+	172274323	172277940	yes	JnId_h_66303
99	6.44e-213	-2.44	ENSG00000065978	YBX1	chr1	+	42940239	42940660	no	
100	7.31e-209	-13.77	ENSG00000161970	RPL26	chr17	-	8227200	8227293	yes	JnId_h_33341
101	5.58e-207	-2.56	ENSG00000113407	TARS	chr5	+	33476639	33477006	no	
101	5.58e-207	-5.42	ENSG00000113407	TARS	chr5	+	33503422	33505401	no	
102	5.76e-206	-3.54	ENSG00000096384	HSP90AB1	chr6	+	44324332	44324491	no	
102	5.76e-206	-5.5	ENSG00000096384	HSP90AB1	chr6	+	44329204	44329598	no	
103	4.34e-203	-3.58	ENSG00000125976	RBM12	chr20	-	33710266	33710350	"yes	JnId_h_50969;JnId_h_50970;JnId_h_50973"

103	4.34e-203	-6.95	ENSG00000125976	RBM12	chr20	-	33700261	33706680	"yes,JnId_h_50969;JnId_h_50970"
104	8.48e-203	-11.92	ENSG00000165280	VCP	chr9	-	35062334	35063246	no
104	8.48e-203	-7.9	ENSG00000165280	VCP	chr9	-	35046061	35047219	no
105	2.10e-202	-5.01	ENSG00000166598	HSP90B1	chr12	+	102865541	102865809	no
106	8.04e-202	-4.51	ENSG00000147140	NONO	chrX	+	70420158	70420296	yes,JnId_b_65429
106	8.04e-202	-7.59	ENSG00000147140	NONO	chrX	+	70421559	70421672	yes,JnId_b_65429
107	1.10e-201	-4.99	ENSG00000132341	RAN	chr12	+	129926380	129927316	no
108	1.08e-192	-4.25	ENSG00000139746	RBM26	chr13	-	78848353	78849651	no
108	1.08e-192	-2.64	ENSG00000139746	RBM26	chr13	-	78791388	78792846	no
108	1.08e-192	-3.22	ENSG00000139746	RBM26	chr13	-	78783960	78787129	no
109	4.79e-192	-3.58	ENSG00000143621	ILF2	chr1	-	151910018	151910148	no
109	4.79e-192	-4.06	ENSG00000143621	ILF2	chr1	-	151906383	151906757	yes,JnId_b_4004
109	4.79e-192	-2.54	ENSG00000143621	ILF2	chr1	-	151901805	151901895	no
109	4.79e-192	-6.92	ENSG00000143621	ILF2	chr1	-	151900905	151901656	no
110	1.38e-191	-3.87	ENSG00000143252	SDHC	chr1	+	159598743	159601154	yes,JnId_h_6317
111	3.38e-191	-2.56	ENSG00000142168	SOD1	chr21	+	31962655	31963001	no
112	5.24e-191	-8.83	ENSG00000115677	HDLBP	chr2	-	241903658	241903908	no
112	5.24e-191	-4.88	ENSG00000115677	HDLBP	chr2	-	241816817	241817775	yes,JnId_h_49860
113	6.6e-191	-2.75	ENSG00000116221	MRPL37	chr1	+	54456433	54456639	yes,JnId_h_3437
113	6.6e-191	-6.22	ENSG00000116221	MRPL37	chr1	+	54463386	54463725	no
114	1.08e-190	-4.6	ENSG00000102024	PLS3	chrX	+	114790005	114791433	no
115	1.43e-190	-7.65	ENSG00000142192	APP	chr21	-	26464753	26465003	no
115	1.43e-190	-7.52	ENSG00000142192	APP	chr21	-	26291546	26291602	yes,JnId_h_52236
115	1.43e-190	-4.72	ENSG00000142192	APP	chr21	-	26191756	26191856	no
115	1.43e-190	-12.57	ENSG00000142192	APP	chr21	-	26174733	26175953	no
116	2.61e-188	-6.41	ENSG00000089157	RPLP0	chr12	-	119122916	119123077	"yes,JnId_h_20418;JnId_h_20420"
116	2.61e-188	-6.05	ENSG00000089157	RPLP0	chr12	-	119118893	119119120	no
117	3.7e-186	-3.93	ENSG00000116459	ATP5F1	chr1	+	111793081	111793726	no
117	3.7e-186	-15.71	ENSG00000116459	ATP5F1	chr1	+	111805062	111806918	no
118	1.69e-184	-2.1	ENSG00000011304	PTBP1	chr19	+	748411 748505	yes,JnId_h_39217	
118	1.69e-184	-4.4	ENSG00000011304	PTBP1	chr19	+	750405 750443	yes,JnId_h_39217	
118	1.69e-184	-2.67	ENSG00000011304	PTBP1	chr19	+	761694 763327	no	
119	1.86e-184	-15.4	ENSG00000204256	BRD2	chr6	+	33044415	33044811	no
119	1.86e-184	-2.76	ENSG00000204256	BRD2	chr6	+	33047350	33048682	no
119	1.86e-184	-6.12	ENSG00000204256	BRD2	chr6	+	33056337	33057075	no
120	5.9e-184	-10.24	ENSG00000100836	PABPN1	chr14	+	22859337	22860869	no
120	5.9e-184	-3.56	ENSG00000100836	PABPN1	chr14	+	22864296	22865202	no
121	2.29e-183	-10.75	ENSG00000130985	UBE1	chrX	+	46935204	46935293	no
121	2.29e-183	-8.04	ENSG00000130985	UBE1	chrX	+	46938185	46938367	"yes,JnId_h_80993;JnId_h_80997"
121	2.29e-183	-14.26	ENSG00000130985	UBE1	chrX	+	46952905	46954030	yes,JnId_b_64867
122	5.69e-183	-3.08	ENSG00000100650	SFRS5	chr14	+	69302584	69303725	yes,JnId_h_24326
122	5.69e-183	-2.3	ENSG00000100650	SFRS5	chr14	+	69307664	69308474	no
123	2.31e-181	-4.77	ENSG00000079246	XRCC5	chr2	+	216682059	216682425	no
123	2.31e-181	-4.21	ENSG00000079246	XRCC5	chr2	+	216778156	216779248	no
124	4.01e-181	-4.45	ENSG00000125818	PSMF1	chr20	+	1093673 1097022	yes,JnId_h_50001	
125	4.57e-181	-6.42	ENSG00000142676	RPL11	chr1	+	23895421	23895502	no
126	5.26e-179	-4.17	ENSG00000073584	SMARCE1	chr17	-	36057551	36058286	no
127	1.22e-178	-7.3	ENSG00000025796	SEC63	chr6	-	108295653	108299744	no
128	3.17e-178	-2.4	ENSG00000137106	GRHPR	chr9	+	37418992	37419833	no
128	3.17e-178	-2.16	ENSG00000137106	GRHPR	chr9	+	37420508	37422135	yes,JnId_h_77678
129	6.8e-178	-2.69	ENSG00000163468	CCT3	chr1	-	154574569	154574819	no
129	6.8e-178	-2.66	ENSG00000163468	CCT3	chr1	-	154546973	154547104	no
129	6.8e-178	-4.08	ENSG00000163468	CCT3	chr1	-	154545376	154545718	no
130	7.4e-175	-6.7	ENSG00000123064	DDX54	chr12	-	112079369	112081300	yes,JnId_h_20152
131	1.99e-172	-2.5	ENSG00000150459	SAP18	chr13	+	20619325	20621221	no
132	5.5e-171	-4.5	ENSG00000122359	ANXA11	chr10	-	81955079	81955308	no
132	5.5e-171	-2.01	ENSG00000122359	ANXA11	chr10	-	81918705	81919094	yes,JnId_b_7539
132	5.5e-171	-9.02	ENSG00000122359	ANXA11	chr10	-	81900625	81905648	no
133	5.62e-171	-2.04	ENSG00000127603	MACF1	chr1	+	39595634	39596152	no
134	6.05e-170	-3.57	ENSG00000112081	SFRS3	chr6	+	36675576	36676031	no
134	6.05e-170	-2.29	ENSG00000112081	SFRS3	chr6	+	36677717	36679187	no
135	1.57e-169	-8.55	ENSG00000096401	CDC5L	chr6	+	44522322	44526141	no
136	9.74e-169	-5.44	ENSG00000178878	APOLD1	chr12	+	12831110	12835664	no
137	3.74e-168	-3.03	ENSG00000083312	TNPO1	chr5	+	72236886	72237028	no

137	3.74e-168	-5.6	ENSG00000083312	TNPO1	chr5	+	72240292	72248316	no
138	2.79e-166	-5.01	ENSG00000111832	RWDD1	chr6	+	117020836	117023635	no
139	1.61e-164	-5.96	ENSG00000174437	ATP2A2	chr12	+	109272480	109273278	no
140	4.92e-164	-2.07	ENSG00000110321	EIF4G2	chr11	-	10785378	10785504	yes,JnId_h_12556
140	4.92e-164	-2.49	ENSG00000110321	EIF4G2	chr11	-	10777115	10777236	no
140	4.92e-164	-5.22	ENSG00000110321	EIF4G2	chr11	-	10775178	10776004	no
141	5.22e-164	-9.97	ENSG00000102225	PCTK1	chrX	+	46962576	46963007	no
141	5.22e-164	-5.26	ENSG00000102225	PCTK1	chrX	+	46963031	46963448	yes,JnId_h_81024
141	5.22e-164	-5.01	ENSG00000102225	PCTK1	chrX	+	46973074	46974340	yes,JnId_b_64894
142	7.97e-164	-6.5	ENSG00000078369	GNB1	chr1	-	1812119 1812355	yes,JnId_h_256	
142	7.97e-164	-2.14	ENSG00000078369	GNB1	chr1	-	1760489 1760537	yes,JnId_h_255	
142	7.97e-164	-3.49	ENSG00000078369	GNB1	chr1	-	1706589 1708352	no	
143	2.25e-162	-3.3	ENSG00000138668	HNRPD	chr4	-	83493491	83494331	no
144	1.24e-159	-5.53	ENSG00000168066	SF1	chr11	-	64302035	64302834	yes,JnId_h_14137
144	1.24e-159	-2.93	ENSG00000168066	SF1	chr11	-	64288654	64290203	"yes,JnId_h_14120;JnId_h_14122;JnId_h_14123"
145	5.64e-159	-4.14	ENSG00000055163	CYFIP2	chr5	+	156752419	156755184	no
146	6.93e-158	-2.51	ENSG00000111716	LDHB	chr12	-	21681272	21681395	no
146	6.93e-158	-3.88	ENSG00000111716	LDHB	chr12	-	21679543	21679910	no
147	2.85e-157	-3.45	ENSG00000124795	DEK	chr6	-	18372595	18372750	no
147	2.85e-157	-4.21	ENSG00000124795	DEK	chr6	-	18332392	18333940	no
148	7.74e-156	-7.1	ENSG00000115758	ODC1	chr2	-	10505698	10506081	no
148	7.74e-156	-6.17	ENSG00000115758	ODC1	chr2	-	10497545	10498445	no
149	6.5e-155	-66.28	ENSG00000167088	SNRPD1	chr18	+	17463021	17464342	no
150	4.56e-154	-4.06	ENSG00000167978	SRRM2	chr16	+	2758483 2758943	"yes,JnId_h_29033;JnId_h_29037"	
151	1.50e-152	-9.15	ENSG00000115875	SFRS7	chr2	-	38824245	38825833	yes,JnId_h_45318
152	6.81e-151	-2.68	ENSG00000089737	DDX24	chr14	-	93617218	93617297	no
152	6.81e-151	-9.2	ENSG00000089737	DDX24	chr14	-	93591095	93593996	yes,JnId_h_24997
152	6.81e-151	-2.45	ENSG00000089737	DDX24	chr14	-	93587019	93587561	no
153	1.64e-149	-3.26	ENSG00000101972	STAG2	chrX	+	122922236	122922397	no
153	1.64e-149	-3.28	ENSG00000101972	STAG2	chrX	+	122923249	122923387	"yes,JnId_h_82450;JnId_h_82451;JnId_h_82454"
153	1.64e-149	-4.05	ENSG00000101972	STAG2	chrX	+	123052385	123052495	yes,JnId_h_82485
153	1.64e-149	-3.83	ENSG00000101972	STAG2	chrX	+	123062105	123064187	no
154	3.33e-149	-3.75	ENSG00000204418	CLIC1	chr6	-	31804621	31805548	no
155	3.37e-149	-2.24	ENSG00000107581	EIF3S10	chr10	-	120830130	120830306	no
155	3.37e-149	-2.47	ENSG00000107581	EIF3S10	chr10	-	120822943	120823079	no
155	3.37e-149	-6.7	ENSG00000107581	EIF3S10	chr10	-	120784346	120785770	yes,JnId_b_8536
156	7.42e-149	-5.65	ENSG00000116560	SFPQ	chr1	-	35421120	35422781	no
156	7.42e-149	-6.59	ENSG00000116560	SFPQ	chr1	-	35414571	35414659	no
157	2.93e-148	-4.25	ENSG00000111669	TPI1	chr12	+	6846619 6847106	yes,JnId_h_17001	
158	1.91e-147	-7.42	ENSG00000100142	POLR2F	chr22	+	36693578	36694653	no
159	4.28e-145	-2.53	ENSG00000102898	NUTF2	chr16	+	66462204	66463934	no
160	6.56e-145	-2.29	ENSG00000067560	RHOA	chr3	-	49424257	49424530	no
161	7.55e-144	-7.29	ENSG00000118705	RPN2	chr20	+	35240888	35241186	no
161	7.55e-144	-3.04	ENSG00000118705	RPN2	chr20	+	35298397	35298526	no
161	7.55e-144	-12.7	ENSG00000118705	RPN2	chr20	+	35303120	35303440	no
162	1.88e-142	-11.67	ENSG00000047849	MAP4	chr3	-	47925532	47926882	yes,JnId_h_56795
162	1.88e-142	-2.9	ENSG00000047849	MAP4	chr3	-	47893414	47894017	no
162	1.88e-142	-2.43	ENSG00000047849	MAP4	chr3	-	47883740	47883832	"yes,JnId_h_56787;JnId_h_56789"
163	4.05e-142	-3.68	ENSG00000166508	MCM7	chr7	-	99536823	99537363	no
163	4.05e-142	-2.06	ENSG00000166508	MCM7	chr7	-	99528851	99528960	no
163	4.05e-142	-4.26	ENSG00000166508	MCM7	chr7	-	99528340	99528692	no
164	6.4e-142	-2.24	ENSG00000083520	DIS3	chr13	-	72243220	72243284	no
164	6.4e-142	-2.95	ENSG00000083520	DIS3	chr13	-	72233502	72233660	no
164	6.4e-142	-4.35	ENSG00000083520	DIS3	chr13	-	72232668	72232790	no
164	6.4e-142	-9.94	ENSG00000083520	DIS3	chr13	-	72227541	72232017	no
165	1.39e-141	-2.94	ENSG00000168036	CTNNB1	chr3	+	41252844	41252994	no
165	1.39e-141	-3.11	ENSG00000168036	CTNNB1	chr3	+	41253083	41253204	no
165	1.39e-141	-3.4	ENSG00000168036	CTNNB1	chr3	+	41254511	41254571	no
165	1.39e-141	-5.78	ENSG00000168036	CTNNB1	chr3	+	41255629	41256938	yes,JnId_h_56396
166	1.60e-141	-22.46	ENSG00000134684	YARS	chr1	-	33055376	33056341	yes,JnId_h_2082
166	1.60e-141	-9.46	ENSG00000134684	YARS	chr1	-	33013427	33014279	yes,JnId_b_1656
167	3.46e-141	-2.95	ENSG00000075239	ACAT1	chr11	+	107518374	107519872	no
168	3.94e-141	-11.67	ENSG00000166165	CKB	chr14	-	103058856	103058923	no
169	7.49e-141	-4.54	ENSG00000167513	CDT1	chr16	+	87397687	87397968	no

169	7.49e-141	-3.78	ENSG00000167513	CDT1	chr16	+	87402024	87403166	no
170	1.89e-140	-4.23	ENSG00000105323	HNRPUL1	chr19	+	46462076	46462543	"yes,JnId_h_42671;JnId_h_42673"
170	1.89e-140	-4.72	ENSG00000105323	HNRPUL1	chr19	+	46504194	46505438	no
171	1.97e-140	-16.66	ENSG00000163050	CABC1	chr1	+	225151212	225153888	no
171	1.97e-140	-4.33	ENSG00000163050	CABC1	chr1	+	225194610	225194723	no
171	1.97e-140	-2.72	ENSG00000163050	CABC1	chr1	+	225240777	225241869	no
172	1.12e-139	-2.77	ENSG00000159140	SON	chr21	+	33836794	33837345	no
172	1.12e-139	-5.65	ENSG00000159140	SON	chr21	+	33854053	33854843	yes,JnId_h_52477
172	1.12e-139	-3.07	ENSG00000159140	SON	chr21	+	33866727	33866806	yes,JnId_h_52480
172	1.12e-139	-3.08	ENSG00000159140	SON	chr21	+	33870541	33871682	no
173	2.22e-138	-10.47	ENSG00000169895	SYAP1	chrX	+	16688276	16693380	no
174	3.43e-138	-4.83	ENSG00000086758	HUWE1	chrX	-	53729940	53730038	yes,JnId_h_81482
174	3.43e-138	-5.62	ENSG00000086758	HUWE1	chrX	-	53727544	53727839	"yes,JnId_h_81480;JnId_h_81481;JnId_h_81482"
174	3.43e-138	-2.41	ENSG00000086758	HUWE1	chrX	-	53723727	53723864	"yes,JnId_h_81481;JnId_h_81482"
174	3.43e-138	-2.81	ENSG00000086758	HUWE1	chrX	-	53697732	53697800	yes,JnId_h_81477
174	3.43e-138	-2.6	ENSG00000086758	HUWE1	chrX	-	53691880	53691978	yes,JnId_h_81476
174	3.43e-138	-2.81	ENSG00000086758	HUWE1	chrX	-	53675091	53675159	no
174	3.43e-138	-2.43	ENSG00000086758	HUWE1	chrX	-	53672428	53672578	no
174	3.43e-138	-3.3	ENSG00000086758	HUWE1	chrX	-	53669472	53669714	"yes,JnId_h_81443;JnId_h_81446;JnId_h_81463"
174	3.43e-138	-2.03	ENSG00000086758	HUWE1	chrX	-	53668843	53668944	"yes,JnId_h_81443;JnId_h_81446"
174	3.43e-138	-4.21	ENSG00000086758	HUWE1	chrX	-	53575782	53577097	no
175	4.65e-138	-3.42	ENSG00000182199	SHMT2	chr12	+	55914284	55914981	no
176	7.78e-138	-3.71	ENSG00000154473	BUB3	chr10	+	124913326	124914876	no
177	8.16e-138	-10.82	ENSG00000079819	EPB41L2	chr6	-	131243434	131245927	"yes,JnId_h_69919;JnId_h_69921"
177	8.16e-138	-6.21	ENSG00000079819	EPB41L2	chr6	-	131230292	131231740	no
178	2.71e-137	-5.57	ENSG00000005022	SLC25A5	chrX	+	118488892	118489386	no
179	4.94e-136	-2.95	ENSG00000144028	ASCC3L1	chr2	-	96334858	96334988	no
179	4.94e-136	-3.63	ENSG00000144028	ASCC3L1	chr2	-	96307272	96307415	no
179	4.94e-136	-4.42	ENSG00000144028	ASCC3L1	chr2	-	96307004	96307180	no
179	4.94e-136	-4.99	ENSG00000144028	ASCC3L1	chr2	-	96306546	96306706	no
179	4.94e-136	-5.7	ENSG00000144028	ASCC3L1	chr2	-	96304722	96304814	no
179	4.94e-136	-10.75	ENSG00000144028	ASCC3L1	chr2	-	96303804	96304620	no
180	6.6e-136	-5.15	ENSG00000115484	CCT4	chr2	-	61948769	61949345	no
181	1.94e-135	-4.22	ENSG00000123200	ZC3H13	chr13	-	45524540	45524895	no
181	1.94e-135	-9.05	ENSG00000123200	ZC3H13	chr13	-	45434312	45436178	no
181	1.94e-135	-2.8	ENSG00000123200	ZC3H13	chr13	-	45431619	45431782	no
181	1.94e-135	-6.95	ENSG00000123200	ZC3H13	chr13	-	45426601	45429433	no
182	3.19e-135	-2.64	ENSG00000126016	AMOT	chrX	-	111910239	111911002	no
182	3.19e-135	-2.72	ENSG00000126016	AMOT	chrX	-	111904387	111908548	no
183	3.28e-134	-8.75	ENSG00000168439	STIP1	chr11	+	63728102	63728591	no
184	5.55e-134	-4.72	ENSG00000135316	SYNCRIP	chr6	-	86380543	86381784	no
184	5.55e-134	-6.08	ENSG00000135316	SYNCRIP	chr6	-	86374772	86379360	no
185	9.1e-134	-2.67	ENSG00000083845	RPS5	chr19	+	63597861	63597982	yes,JnId_b_35609
186	1.04e-132	-10.46	ENSG00000028528	SNX1	chr15	+	62216820	62223486	yes,JnId_h_26841
187	1.94e-130	-5.93	ENSG00000102054	RBBP7	chrX	-	16797538	16797896	yes,JnId_h_80566
187	1.94e-130	-2.76	ENSG00000102054	RBBP7	chrX	-	16772385	16773147	no
188	1.72e-129	-7.65	ENSG00000185825	BCAP31	chrX	-	152642983	152643364	no
188	1.72e-129	-8.19	ENSG00000185825	BCAP31	chrX	-	152642157	152642743	yes,JnId_h_82915
189	7.92e-129	-4.08	ENSG00000173674	EIF1AP1	chrX	-	20052557	20056350	no
190	3.00e-128	-4.02	ENSG00000161021	LTC4S	chr5	+	179151371	179156119	yes,JnId_b_53300
191	1.34e-127	-12.84	ENSG00000155463	OXAL1	chr14	+	22305571	22306100	no
191	1.34e-127	-4.57	ENSG00000155463	OXAL1	chr14	+	22310483	22310779	yes,JnId_h_22934
192	2.96e-127	-2.11	ENSG00000101361	NOL5A	chr20	+	2581488 2581577	yes,JnId_h_50025	
192	2.96e-127	-2.09	ENSG00000101361	NOL5A	chr20	+	2585286 2585541	yes,JnId_b_40200	
192	2.96e-127	-4.22	ENSG00000101361	NOL5A	chr20	+	2586575 2587039	no	
193	3.67e-125	-8.59	ENSG00000185624	P4HB	chr17	-	77411492	77411680	yes,JnId_h_37666
193	3.67e-125	-7.23	ENSG00000185624	P4HB	chr17	-	77394326	77395257	no
194	5.74e-125	-4.49	ENSG00000168477	TNXB	chr6	-	32190749	32191723	no
195	1.02e-122	-9.64	ENSG00000092051	AP1G2	chr14	-	23106160	23108766	"yes,JnId_h_23080;JnId_h_23081;JnId_h_23081;JnId_h_23082;JnId_h_23082;JnId_h_23079"
195	1.02e-122	-3.45	ENSG00000092051	AP1G2	chr14	-	23105611	23105735	yes,JnId_h_23078
195	1.02e-122	-2.76	ENSG00000092051	AP1G2	chr14	-	23098987	23099085	no
195	1.02e-122	-2.32	ENSG00000092051	AP1G2	chr14	-	23098617	23098899	no
196	1.18e-122	-9.21	ENSG00000115268	RPS15	chr19	+	1389363 1389427	no	
197	2.30e-121	-3.01	ENSG00000135930	EIF4E2	chr2	+	233141899	233142163	yes,JnId_h_49578

197	2.30e-121	-5.8	ENSG00000135930	EIF4E2	chr2	+	233153858	233156593	no
198	3.45e-121	-3.59	ENSG00000132646	PCNA	chr20	-	5055146	5055270	no
199	3.98e-121	-8.37	ENSG00000115310	RTN4	chr2	-	55105726	55108125	yes,JnId_h_45734
200	3.95e-120	-4.74	ENSG00000101558	VAPA	chr18	+	9944050	9949571	no
201	4.19e-120	-2.31	ENSG00000170515	PA2G4	chr12	+	54784628	54784876	yes,JnId_b_14254
201	4.19e-120	-6.81	ENSG00000170515	PA2G4	chr12	+	54792874	54793912	no
202	5.15e-120	-5.45	ENSG00000198668	CALM1	chr14	+	89941189	89944148	no
203	5.06e-118	-5.21	ENSG00000005893	LAMP2	chrX	-	119454377	119457176	"yes,JnId_h_82376;JnId_h_82378"
203	5.06e-118	-4.37	ENSG00000005893	LAMP2	chrX	-	119448709	119449345	no
204	7.18e-118	-7.12	ENSG00000182197	EXT1	chr8	-	118875910	118881317	no
205	7.5e-118	-4.43	ENSG00000114867	EIF4G1	chr3	+	185515788	185516338	"yes,JnId_h_60114;JnId_h_60115;JnId_h_60116"
205	7.5e-118	-4.85	ENSG00000114867	EIF4G1	chr3	+	185535209	185535839	no
206	1.86e-117	-5.04	ENSG00000146426	TIAM2	chr6	+	155491998	155493243	no
206	1.86e-117	-5.18	ENSG00000146426	TIAM2	chr6	+	155500003	155500438	no
206	1.86e-117	-4.36	ENSG00000146426	TIAM2	chr6	+	155546063	155546326	no
206	1.86e-117	-7.23	ENSG00000146426	TIAM2	chr6	+	155619310	155620908	no
207	3.93e-117	-2.57	ENSG00000144354	CDCA7	chr2	+	173927794	173927958	no
207	3.93e-117	-5.41	ENSG00000144354	CDCA7	chr2	+	173932229	173932465	yes,JnId_h_48196
207	3.93e-117	-3.62	ENSG00000144354	CDCA7	chr2	+	173940608	173941965	no
208	1.51e-116	-2.93	ENSG00000172725	PTPRCAP	chr11	-	66964382	66964486	no
208	1.51e-116	-50.39	ENSG00000172725	PTPRCAP	chr11	-	66959557	66962548	yes,JnId_b_11376
209	1.99e-116	-6.94	ENSG00000132424	C6orf111	chr6	-	99958426	99959299	"yes,JnId_h_69411;JnId_h_69412"
209	1.99e-116	-7.66	ENSG00000132424	C6orf111	chr6	-	99952648	99956227	"yes,JnId_h_69407;JnId_h_69408;JnId_h_69408"
210	9.39e-116	-2.56	ENSG00000180182	CRSP2	chrX	-	40479394	40479727	no
210	9.39e-116	-5.64	ENSG00000180182	CRSP2	chrX	-	40392502	40396075	no
211	1.39e-115	-5.5	ENSG00000166197	NOLC1	chr10	+	103911858	103913617	no
212	2.00e-114	-2.31	ENSG00000160209	PDXK	chr21	+	43963406	43963690	no
212	2.00e-114	-5.05	ENSG00000160209	PDXK	chr21	+	43976448	43976956	yes,JnId_b_42382
212	2.00e-114	-6.84	ENSG00000160209	PDXK	chr21	+	43981263	43983167	yes,JnId_h_52752
212	2.00e-114	-3.55	ENSG00000160209	PDXK	chr21	+	44000260	44006608	no
213	2.70e-114	-3.1	ENSG00000102471	NDFIP2	chr13	+	79024652	79028211	no
214	6.06e-113	-9.21	ENSG00000114446	IFT57	chr3	-	109362350	109364192	no
215	7.3e-113	-2.41	ENSG00000186792	IFRD2	chr3	-	50311648	50311903	yes,JnId_b_46063
215	7.3e-113	-6.17	ENSG00000186792	IFRD2	chr3	-	50307144	50308054	no
215	7.3e-113	-6.4	ENSG00000186792	IFRD2	chr3	-	50305023	50305950	no
216	1.11e-112	-9.58	ENSG00000036257	CUL3	chr2	-	225043113	225047337	yes,JnId_h_49395
217	2.95e-111	-2.95	ENSG00000156482	RPL30	chr8	-	99126912	99126949	no
218	2.97e-111	-5.76	ENSG00000143569	UBAP2L	chr1	+	152502203	152502605	yes,JnId_h_5596
218	2.97e-111	-3.41	ENSG00000143569	UBAP2L	chr1	+	152509300	152509952	yes,JnId_h_5599
218	2.97e-111	-8.72	ENSG00000143569	UBAP2L	chr1	+	152509981	152510609	no
219	4.35e-111	-2.87	ENSG00000139496	NUPL1	chr13	+	24773666	24774018	no
219	4.35e-111	-2.39	ENSG00000139496	NUPL1	chr13	+	24799568	24799650	no
219	4.35e-111	-8.89	ENSG00000139496	NUPL1	chr13	+	24803495	24808478	no
219	4.35e-111	-2.25	ENSG00000139496	NUPL1	chr13	+	24812103	24814544	no
220	4.36e-111	-2.65	ENSG00000157954	WIPI2	chr7	+	5196361	5196650	no
220	4.36e-111	-3.65	ENSG00000157954	WIPI2	chr7	+	5236992	5240012	no
221	5.46e-111	-10.67	ENSG00000172270	BSG	chr19	+	523537	523701	yes,JnId_b_30877
221	5.46e-111	-2.31	ENSG00000172270	BSG	chr19	+	533750	534492	no
222	1.49e-110	-2.66	ENSG00000120437	ACAT2	chr6	+	160101350	160103164	no
223	6.97e-110	-2.5	ENSG00000173473	SMARCC1	chr3	-	47798097	47798410	no
224	2.43e-109	-4.12	ENSG00000103275	UBE2I	chr16	+	1310440	1311765	no
225	3.29e-109	-2.07	ENSG00000112739	PRPF4B	chr6	+	4005646	4007622	yes,JnId_h_66922
225	3.29e-109	-4.71	ENSG00000112739	PRPF4B	chr6	+	4008307	4010216	no
226	5.24e-109	-9.54	ENSG00000102572	STK24	chr13	-	98027000	98027353	no
226	5.24e-109	-4.16	ENSG00000102572	STK24	chr13	-	97907423	97907559	no
226	5.24e-109	-9.76	ENSG00000102572	STK24	chr13	-	97900456	97903464	no
227	9.47e-109	-4.17	ENSG00000163902	RPN1	chr3	-	129821503	129822126	no
228	1.12e-108	-7.27	ENSG00000130638	ATXN10	chr22	+	44618213	44619493	no
229	4.68e-108	-3.51	ENSG00000067334	DNTTIP2	chr1	-	94104427	94108108	no
230	5.68e-108	-3.52	ENSG00000099341	PSMD8	chr19	+	43557061	43557441	no
230	5.68e-108	-3.59	ENSG00000099341	PSMD8	chr19	+	43565733	43566303	no
231	6.38e-108	-2.34	ENSG00000132383	RPA1	chr17	+	1745053	1745139	yes,JnId_h_32424
231	6.38e-108	-7.02	ENSG00000132383	RPA1	chr17	+	1747115	1749598	yes,JnId_h_32434
232	1.09e-107	-5.99	ENSG00000149136	SSRP1	chr11	-	56859780	56859927	no

232	1.09e-107	-3.3	ENSG00000149136	SSRP1	chr11	-	56850036	56850528	no
233	1.69e-107	-11.52	ENSG00000140740	UQCRC2	chr16	+	21871482	21872278	no
233	1.69e-107	-4.69	ENSG00000140740	UQCRC2	chr16	+	21901910	21902174	no
234	4.46e-107	-3.99	ENSG00000124222	NPEPL1	chr20	+	56684649	56687988	no
234	4.46e-107	-27.55	ENSG00000124222	NPEPL1	chr20	+	56723631	56724774	no
235	8.07e-107	-2.88	ENSG00000109685	WHSC1	chr4	+	1910809 1911303	"yes,JnId_h_60635;JnId_h_60640"	
235	8.07e-107	-2.25	ENSG00000109685	WHSC1	chr4	+	1913864 1914090	"yes,JnId_h_60635;JnId_h_60640"	
235	8.07e-107	-3.03	ENSG00000109685	WHSC1	chr4	+	1924277 1925049	yes,JnId_h_60635	
236	9.4e-107	-8.46	ENSG00000131795	RBM8A	chr1	+	144220523	144224881	no
237	3.80e-106	-2.32	ENSG00000129680	MAP7D3	chrX	-	135161114	135161395	no
237	3.80e-106	-5.71	ENSG00000129680	MAP7D3	chrX	-	135126639	135128318	no
238	5.34e-106	-5.7	ENSG00000111605	CPSF6	chr12	+	67949559	67951290	no
239	1.17e-105	-5.12	ENSG00000167986	DDB1	chr11	-	60823510	60824267	no
240	1.87e-105	-2.94	ENSG00000089006	SNX5	chr20	-	17897343	17897623	yes,JnId_h_50384
240	1.87e-105	-2.18	ENSG00000089006	SNX5	chr20	-	17897018	17897241	yes,JnId_h_50381
240	1.87e-105	-5.36	ENSG00000089006	SNX5	chr20	-	17870241	17871051	no
241	7.47e-105	-4.08	ENSG00000165678	GHITM	chr10	+	85889176	85889329	yes,JnId_b_7560
241	7.47e-105	-6.88	ENSG00000165678	GHITM	chr10	+	85902000	85903291	no
242	1.44e-104	-4.75	ENSG00000173436	Clorf151	chr1	+	19825468	19828901	no
243	1.63e-104	-2.4	ENSG00000108312	UBTF	chr17	-	39653634	39653762	no
243	1.63e-104	-2.68	ENSG00000108312	UBTF	chr17	-	39645238	39645348	yes,JnId_h_35391
243	1.63e-104	-3.72	ENSG00000108312	UBTF	chr17	-	39637928	39640261	no
244	2.71e-104	-6.23	ENSG00000100357	ADSL	chr22	+	39092386	39092929	no
245	3.53e-104	-6.01	ENSG00000134884	Q9NWB6	chr13	-	105992022	105994509	no
246	7.34e-104	-3.05	ENSG00000128609	NDUFA5	chr7	-	122964290	122969510	no
247	7.54e-104	-4.56	ENSG00000095787	WAC	chr10	+	28861428	28861942	no
247	7.54e-104	-2.28	ENSG00000095787	WAC	chr10	+	28862431	28862555	yes,JnId_h_9264
247	7.54e-104	-2.37	ENSG00000095787	WAC	chr10	+	28864201	28864692	yes,JnId_h_9267
247	7.54e-104	-2.34	ENSG00000095787	WAC	chr10	+	28946592	28946719	yes,JnId_h_9281
247	7.54e-104	-2.99	ENSG00000095787	WAC	chr10	+	28948472	28949934	yes,JnId_h_9281
248	1.67e-103	-4.11	ENSG00000130707	ASS1	chr9	+	132310137	132310203	no
248	1.67e-103	-5.23	ENSG00000130707	ASS1	chr9	+	132366184	132366482	no
249	1.47e-102	-7.84	ENSG00000168488	ATXN2L	chr16	+	28741857	28742380	no
249	1.47e-102	-4.62	ENSG00000168488	ATXN2L	chr16	+	28754755	28756057	"yes,JnId_h_30047;JnId_h_30048;JnId_h_30048;JnId_h_30049;JnId_h_30049"
250	1.71e-102	-3.48	ENSG00000073060	SCARB1	chr12	-	123833952	123837002	"yes,JnId_h_20891;JnId_h_20890"
251	2.03e-102	-4.66	ENSG00000058804	TMEM48	chr1	-	54076466	54077121	yes,JnId_b_2718
251	2.03e-102	-2.95	ENSG00000058804	TMEM48	chr1	-	54003721	54006294	no
252	1.19e-101	-13.73	ENSG00000130175	PRKCSH	chr19	+	11407269	11407527	"yes,JnId_b_32446;JnId_b_32447"
252	1.19e-101	-2.87	ENSG00000130175	PRKCSH	chr19	+	11407862	11408017	yes,JnId_b_32446
252	1.19e-101	-4.53	ENSG00000130175	PRKCSH	chr19	+	11422461	11422783	no
253	2.33e-101	-8.89	ENSG00000112996	MRPS30	chr5	+	44850772	44856287	no
254	6.24e-100	-14.39	ENSG00000108848	Q86Y74	chr17	+	46184560	46185069	no
255	9.56e-99	-2	ENSG00000136270	TBRG4	chr7	-	45107627	45107738	no
255	9.56e-99	-2.07	ENSG00000136270	TBRG4	chr7	-	45107382	45107496	no
255	9.56e-99	-6.51	ENSG00000136270	TBRG4	chr7	-	45103709	45106550	no
256	1.5e-98	-4.78	ENSG00000198363	ASPH	chr8	-	62699649	62701393	"yes,JnId_h_75424;JnId_h_75425;JnId_h_75427"
256	1.5e-98	-3.38	ENSG00000198363	ASPH	chr8	-	62637857	62637993	yes,JnId_b_60472
257	2.91e-98	-2.42	ENSG00000147162	OGT	chrX	+	70681142	70684598	yes,JnId_h_81743
257	2.91e-98	-5.19	ENSG00000147162	OGT	chrX	+	70710195	70712472	no
258	5.27e-98	-2.95	ENSG00000164985	PSIP1	chr9	-	15460634	15461309	yes,JnId_h_77072
258	5.27e-98	-2	ENSG00000164985	PSIP1	chr9	-	15454064	15455578	no
259	7.09e-98	-4.86	ENSG00000067167	TRAM1	chr8	-	71648227	71649794	no
260	1.45e-97	-6.18	ENSG00000094631	HDAC6	chrX	+	48545406	48545902	yes,JnId_h_81153
260	1.45e-97	-2.21	ENSG00000094631	HDAC6	chrX	+	48546479	48546567	no
260	1.45e-97	-6.24	ENSG00000094631	HDAC6	chrX	+	48548982	48550297	"yes,JnId_h_81157;JnId_h_81158;JnId_h_81158"
260	1.45e-97	-7.92	ENSG00000094631	HDAC6	chrX	+	48556704	48557917	no
260	1.45e-97	-2.03	ENSG00000094631	HDAC6	chrX	+	48558313	48558841	yes,JnId_h_81164
260	1.45e-97	-3.64	ENSG00000094631	HDAC6	chrX	+	48567898	48568336	no
261	1.56e-97	-9.57	ENSG00000140365	COMMD4	chr15	+	73420223	73421321	no
262	1.67e-97	-4.18	ENSG00000099810	MTAP	chr9	+	21851975	21857077	no
263	2.51e-97	-5.6	ENSG00000171793	CTPS	chr1	+	41217594	41218088	yes,JnId_h_2556
263	2.51e-97	-3.08	ENSG00000171793	CTPS	chr1	+	41221420	41221715	yes,JnId_h_2556
263	2.51e-97	-2.11	ENSG00000171793	CTPS	chr1	+	41247053	41247149	no
263	2.51e-97	-3.43	ENSG00000171793	CTPS	chr1	+	41249917	41250822	no

264	7.69e-97	-2.11	ENSG00000127184	COX7C	chr5	+	85952241	85952535	no
265	9.85e-97	-5.54	ENSG00000160213	CSTB	chr21	-	44016826	44018639	no
266	2.03e-96	-3.78	ENSG00000117592	PRDX6	chr1	+	171723497	171724569	no
267	9.73e-96	-4.15	ENSG00000182180	MRPS16	chr10	-	74676774	74680755	no
268	1.59e-95	-2.17	ENSG00000196305	IARS	chr9	-	94095544	94095803	yes,JnId_h_78127
268	1.59e-95	-2.94	ENSG00000196305	IARS	chr9	-	94012310	94012992	no
269	1.91e-95	-5.74	ENSG00000144381	HSPD1	chr2	-	198073129	198073243	yes,JnId_b_39155
269	1.91e-95	-3.43	ENSG00000144381	HSPD1	chr2	-	198059555	198060167	no
270	2.91e-95	-6.85	ENSG00000096746	HNRPH3	chr10	+	69771741	69772950	no
271	3.68e-95	-2.03	ENSG00000048828	FAM120A	chr9	+	95253799	95254492	no
271	3.68e-95	-3.88	ENSG00000048828	FAM120A	chr9	+	95331456	95333509	no
272	2.47e-94	-2.92	ENSG00000135052	C9orf155	chr9	-	87904760	87904903	no
272	2.47e-94	-3.4	ENSG00000135052	C9orf155	chr9	-	87904146	87904293	yes,JnId_h_77982
272	2.47e-94	-3.06	ENSG00000135052	C9orf155	chr9	-	87838701	87840360	no
273	3.75e-94	-4.72	ENSG00000168268	NT5DC2	chr3	-	52537502	52537595	no
273	3.75e-94	-4.22	ENSG00000168268	NT5DC2	chr3	-	52534265	52534351	yes,JnId_b_46227
274	6.15e-94	-12.17	ENSG00000112130	RNF8	chr6	+	37466496	37470491	no
275	1.05e-93	-2.33	ENSG00000138095	LRPPRC	chr2	-	44057798	44057919	no
275	1.05e-93	-2.65	ENSG00000138095	LRPPRC	chr2	-	43975188	43975272	no
275	1.05e-93	-6.85	ENSG00000138095	LRPPRC	chr2	-	43968391	43969299	no
276	2.20e-93	-2.71	ENSG00000127481	ZUBR1	chr1	-	19409154	19409357	no
276	2.20e-93	-2.06	ENSG00000127481	ZUBR1	chr1	-	19383097	19383256	yes,JnId_h_1105
276	2.20e-93	-2.18	ENSG00000127481	ZUBR1	chr1	-	19375673	19375808	"yes,JnId_h_1032;JnId_h_1105"
276	2.20e-93	-5.88	ENSG00000127481	ZUBR1	chr1	-	19316904	19317930	yes,JnId_h_1032
276	2.20e-93	-2.06	ENSG00000127481	ZUBR1	chr1	-	19310721	19313151	"yes,JnId_h_1032;JnId_h_1056;JnId_h_1057;JnId_h_1057"
276	2.20e-93	-2.96	ENSG00000127481	ZUBR1	chr1	-	19280430	19281321	no
277	2.36e-93	-2.69	ENSG00000165732	DDX21	chr10	+	70412305	70414835	no
278	4.33e-93	-16.15	ENSG00000107223	EDF1	chr9	-	138876392	138877272	yes,JnId_h_80191
279	1.05e-92	-5.4	ENSG00000160753	RUSC1	chr1	+	153558103	153559545	no
279	1.05e-92	-2.29	ENSG00000160753	RUSC1	chr1	+	153560352	153561358	"yes,JnId_h_5808;JnId_h_5810"
280	1.08e-92	-8.04	ENSG00000162613	FUBP1	chr1	-	78186179	78187187	yes,JnId_h_3967
280	1.08e-92	-5.39	ENSG00000162613	FUBP1	chr1	-	78185726	78185825	yes,JnId_h_3967
281	1.43e-92	-5.87	ENSG00000197448	GSTK1	chr7	+	142676507	142678069	no
282	4.85e-92	-3.68	ENSG00000143321	HMGF	chr1	-	154987759	154988160	yes,JnId_b_4532
283	5.65e-92	-5.09	ENSG00000129250	KIF1C	chr17	+	4841967	4842175	no
283	5.65e-92	-4.99	ENSG00000129250	KIF1C	chr17	+	4867487	4872420	no
284	6.28e-92	-2.28	ENSG00000143740	C1orf142	chr1	+	226030113	226031293	yes,JnId_h_8024
285	7.14e-92	-2.18	ENSG00000183684	THOC4	chr17	-	77439017	77439317	no
286	8.76e-92	-13.55	ENSG00000177830	CHID1	chr11	-	900775	901461	no
286	8.76e-92	-2.26	ENSG00000177830	CHID1	chr11	-	873148	873303	no
286	8.76e-92	-9.91	ENSG00000177830	CHID1	chr11	-	858417	859956	no
287	1.87e-91	-4.9	ENSG00000101057	MYBL2	chr20	+	41729123	41729357	no
287	1.87e-91	-3.6	ENSG00000101057	MYBL2	chr20	+	41778013	41778536	no
288	2.09e-91	-3.87	ENSG00000088833	NSFL1C	chr20	-	1384359	1385735	yes,JnId_h_50009
289	2.61e-91	-7.64	ENSG00000142949	PTPRF	chr1	+	43769134	43769348	no
289	2.61e-91	-2.95	ENSG00000142949	PTPRF	chr1	+	43776456	43776535	no
289	2.61e-91	-13.81	ENSG00000142949	PTPRF	chr1	+	43817068	43818336	no
289	2.61e-91	-6.64	ENSG00000142949	PTPRF	chr1	+	43860193	43861924	no
290	3.06e-91	-5.44	ENSG00000143771	CNIH4	chr1	+	222630120	222633777	yes,JnId_h_7817
291	1.78e-90	-3.73	ENSG00000197771	C10orf119	chr10	-	121622029	121622351	no
291	1.78e-90	-4.94	ENSG00000197771	C10orf119	chr10	-	121578962	121581102	no
292	1.42e-89	-11.16	ENSG00000113558	SKP1A	chr5	-	133520468	133522185	no
293	3.29e-89	-2.29	ENSG00000120533	ENY2	chr8	+	110424810	110426066	no
294	4.39e-89	-31.63	ENSG00000168765	GSTM2	chr1	+	110003145	110005887	no
294	4.39e-89	-6.73	ENSG00000168765	GSTM2	chr1	+	110015432	110015527	no
295	5.71e-89	-3.73	ENSG00000140525	KIAA1794	chr15	+	87626000	87627485	yes,JnId_h_27852
295	5.71e-89	-5.83	ENSG00000140525	KIAA1794	chr15	+	87660632	87661366	no
296	8.93e-89	-3.48	ENSG00000135018	UBQLN1	chr9	-	85464698	85466674	no
297	2.52e-88	-2.95	ENSG00000100664	EIF5	chr14	+	102870246	102870350	no
297	2.52e-88	-3.75	ENSG00000100664	EIF5	chr14	+	102877053	102881112	no
298	2.93e-88	-12.3	ENSG00000112200	ZNF451	chr6	+	57073360	57082473	yes,JnId_b_55192
298	2.93e-88	-3.75	ENSG00000112200	ZNF451	chr6	+	57141180	57143064	no
299	3.74e-88	-2.93	ENSG00000120802	TMPO	chr12	+	97450732	97452452	yes,JnId_h_19408
299	3.74e-88	-2.04	ENSG00000120802	TMPO	chr12	+	97467334	97468250	no

300	3.9e-88	-4.58	ENSG00000169223	LMAN2	chr5	-	176691170	176691853	no	
301	4.23e-88	-6.78	ENSG00000117899	MESDC2	chr15	-	79031355	79031692	no	
301	4.23e-88	-7.74	ENSG00000117899	MESDC2	chr15	-	79026725	79028294	no	
302	6.18e-88	-5.29	ENSG00000070214	SLC44A1	chr9	+	107167585	107167741	no	
302	6.18e-88	-19.95	ENSG00000070214	SLC44A1	chr9	+	107191135	107199448	no	
303	8.21e-88	-5.39	ENSG00000065911	MTHFD2	chr2	+	74294714	74295920	yes	JnId_h_46357
304	8.87e-88	-6.39	ENSG00000108424	KPNB1	chr17	+	43082274	43082649	no	
304	8.87e-88	-2.02	ENSG00000108424	KPNB1	chr17	+	43082751	43082809	no	
304	8.87e-88	-2.4	ENSG00000108424	KPNB1	chr17	+	43090873	43091025	no	
304	8.87e-88	-2.81	ENSG00000108424	KPNB1	chr17	+	43114769	43116003	no	
305	1.17e-87	-2.69	ENSG00000071626	DAZAP1	chr19	+	1358584	1358801	no	
305	1.17e-87	-3.01	ENSG00000071626	DAZAP1	chr19	+	1385736	1386683	"yes	JnId_h_39435;JnId_h_39436"
306	1.93e-87	-3.59	ENSG00000114416	FXR1	chr3	+	182175795	182175886	yes	JnId_h_59956
306	1.93e-87	-6.6	ENSG00000114416	FXR1	chr3	+	182176604	182177642	yes	JnId_h_59957
307	4.27e-87	-6.03	ENSG00000058673	ZC3H11A	chr1	+	202032044	202032352	yes	JnId_h_7232
307	4.27e-87	-7.16	ENSG00000058673	ZC3H11A	chr1	+	202034597	202038767	yes	JnId_h_7232
307	4.27e-87	-3.7	ENSG00000058673	ZC3H11A	chr1	+	202087892	202089875	no	
308	4.83e-87	-15.23	ENSG00000147459	PPP2R2A	chr8	+	25324627	25329149	no	
309	5.16e-87	-2.61	ENSG00000146731	CCT6A	chr7	+	56093549	56093708	yes	JnId_b_57427
309	5.16e-87	-7.28	ENSG00000146731	CCT6A	chr7	+	56098200	56099176	no	
310	5.96e-87	-2.45	ENSG00000063177	RPL18	chr19	-	53814210	53814243	yes	JnId_h_43354
311	6.89e-87	-5.82	ENSG00000097021	ACOT7	chr1	-	6375904	6377038	no	
312	1.18e-86	-4.07	ENSG00000178802	MPI	chr15	+	72969921	72970048	yes	JnId_h_27408
312	1.18e-86	-11.02	ENSG00000178802	MPI	chr15	+	72976906	72978827	yes	JnId_h_27416
313	1.79e-86	-3.85	ENSG00000124570	SERPINB6	chr6	-	2916724	2917398	no	
313	1.79e-86	-5.91	ENSG00000124570	SERPINB6	chr6	-	2911633	2915955	yes	JnId_h_66877
313	1.79e-86	-2.95	ENSG00000124570	SERPINB6	chr6	-	2904401	2906560	no	
314	3.26e-86	-5.55	ENSG00000125354	6-Sep	chrX	-	118711067	118711361	no	
314	3.26e-86	-4.6	ENSG00000125354	6-Sep	chrX	-	118634936	118638042	"yes	JnId_h_82340;JnId_h_82341"
315	4.46e-86	-2.33	ENSG00000132153	DHX30	chr3	+	47819625	47819706	no	
315	4.46e-86	-2.91	ENSG00000132153	DHX30	chr3	+	47821820	47821914	no	
315	4.46e-86	-2.66	ENSG00000132153	DHX30	chr3	+	47834516	47834611	no	
315	4.46e-86	-3.79	ENSG00000132153	DHX30	chr3	+	47866361	47866686	yes	JnId_h_56782
316	5.77e-86	-2.24	ENSG00000187147	Clorf164	chr1	+	44643453	44643789	no	
316	5.77e-86	-2.11	ENSG00000187147	Clorf164	chr1	+	44650240	44650981	no	
317	9.98e-86	-29.29	ENSG00000173959	RBM14	chr11	+	66150362	66153961	no	
318	1.10e-85	-5.03	ENSG00000110492	MDK	chr11	+	46359194	46359414	no	
319	2.18e-85	-4.1	ENSG00000162923	WDR26	chr1	-	222639728	222644185	no	
320	8.58e-85	-3.29	ENSG00000149091	DGKZ	chr11	+	46357957	46358680	no	
321	1.16e-84	-7.75	ENSG00000167721	TSR1	chr17	-	2186375	2187428	no	
321	1.16e-84	-3.44	ENSG00000167721	TSR1	chr17	-	2172742	2174418	no	
322	1.56e-84	-5.08	ENSG00000127445	PIN1	chr19	+	9807119	9807688	yes	JnId_h_40406
322	1.56e-84	-4.72	ENSG00000127445	PIN1	chr19	+	9808031	9808551	yes	JnId_h_40406
323	4.54e-84	-3.95	ENSG00000167996	FTH1	chr11	-	61488335	61488939	no	
324	5.78e-84	-3.1	ENSG00000154305	MIA3	chr1	+	220884268	220884551	yes	JnId_h_7706
324	5.78e-84	-2.18	ENSG00000154305	MIA3	chr1	+	220905274	220907977	no	
325	7.67e-84	-9.44	ENSG00000187118	Q7Z7K0	chr3	+	28336004	28341620	no	
326	7.91e-84	-12.09	ENSG00000113013	HSPA9	chr5	-	137918924	137919702	no	
327	8.1e-84	-3.62	ENSG00000136527	SFRS10	chr3	-	187117230	187118207	no	
328	2.28e-83	-8.1	ENSG00000127463	KIAA0090	chr1	-	19414745	19418563	no	
329	4.47e-83	-2.12	ENSG00000162191	Q05BV2	chr11	-	62200549	62201053	yes	JnId_h_13844
330	4.5e-83	-2.53	ENSG00000137073	UBAP2	chr9	-	33917795	33918833	no	
331	6.33e-83	-2.91	ENSG00000124155	PIGT	chr20	+	43478192	43478998	yes	JnId_h_51406
331	6.33e-83	-4.04	ENSG00000124155	PIGT	chr20	+	43480230	43481449	yes	JnId_h_51408
331	6.33e-83	-3.13	ENSG00000124155	PIGT	chr20	+	43487628	43488298	no	
332	1.07e-82	-4.88	ENSG00000157020	SEC13	chr3	-	10337734	10337862	yes	JnId_b_44762
332	1.07e-82	-2.25	ENSG00000157020	SEC13	chr3	-	10334734	10334778	yes	JnId_h_55640
332	1.07e-82	-7.96	ENSG00000157020	SEC13	chr3	-	10317215	10318058	yes	JnId_b_44754
333	1.34e-82	-8.32	ENSG00000136810	TXN	chr9	-	112045912	112046320	no	
334	1.82e-82	-13.31	ENSG00000167747	C19orf48	chr19	-	55999641	55999998	no	
335	2.42e-82	-3.46	ENSG00000140479	PCSK6	chr15	-	99704470	99705505	yes	JnId_h_28242
335	2.42e-82	-2.53	ENSG00000140479	PCSK6	chr15	-	99670750	99671233	no	
336	6.81e-82	-2.05	ENSG00000164889	SLC4A2	chr7	+	150404307	150404546	no	
337	1.48e-81	-3.43	ENSG00000112992	NNT	chr5	+	43638582	43639153	yes	JnId_h_63889

337	1.48e-81	-2.07	ENSG00000112992	NNT	chr5	+	43738480	43738595	no
337	1.48e-81	-3.38	ENSG00000112992	NNT	chr5	+	43740114	43743264	no
338	1.76e-81	-5.67	ENSG00000121152	NCAPH	chr2	+	96402757	96405001	no
339	2.58e-81	-8.18	ENSG00000143418	LASS2	chr1	-	149213719	149214103	no
339	2.58e-81	-2.67	ENSG00000143418	LASS2	chr1	-	149204286	149205388	no
340	2.65e-81	-3.4	ENSG0000012660	ELOVL5	chr6	-	53266845	53267248	yes,JnId_h_68745
341	3.64e-81	-2.48	ENSG00000160714	UBE2Q1	chr1	-	152797327	152797744	no
341	3.64e-81	-4.22	ENSG00000160714	UBE2Q1	chr1	-	152787675	152789569	no
342	7.2e-81	-6.42	ENSG00000109861	CTSC	chr11	-	87693630	87699259	yes,JnId_h_15464
342	7.2e-81	-2.23	ENSG00000109861	CTSC	chr11	-	87666421	87667324	yes,JnId_b_11997
343	8.36e-81	-4.42	ENSG00000155380	SLC16A1	chr1	-	113300180	113300498	no
343	8.36e-81	-7.31	ENSG00000155380	SLC16A1	chr1	-	113255992	113258310	no
344	8.7e-81	-2.47	ENSG00000176890	TYMS	chr18	+	647619	647947	no
344	8.7e-81	-3.42	ENSG00000176890	TYMS	chr18	+	662860	663492	no
345	9.32e-81	-6.6	ENSG00000104723	TUSC3	chr8	+	15666083	15668529	yes,JnId_h_74450
346	1.25e-80	-15.6	ENSG00000100401	RANGAP1	chr22	-	40006883	40008464	no
346	1.25e-80	-5.59	ENSG00000100401	RANGAP1	chr22	-	39971562	39972622	no
347	1.59e-80	-3.46	ENSG00000009844	VTA1	chr6	+	142581328	142583778	no
348	1.66e-80	-3.84	ENSG00000106400	ZNHIT1	chr7	+	100647705	100648218	no
348	1.66e-80	-4.29	ENSG00000106400	ZNHIT1	chr7	+	100650382	100652775	yes,JnId_b_58409
349	2.86e-80	-9.77	ENSG00000182944	EWSR1	chr22	+	28016402	28016670	"yes,JnId_h_53869;JnId_h_53870;JnId_h_53871"
349	2.86e-80	-6.35	ENSG00000182944	EWSR1	chr22	+	28026112	28026504	no
350	9.87e-80	-2.15	ENSG00000151923	TIAL1	chr10	-	121329437	121330284	yes,JnId_h_11515
350	9.87e-80	-2.31	ENSG00000151923	TIAL1	chr10	-	121322970	121325293	no
351	6.2e-79	-3.92	ENSG00000114850	SSR3	chr3	-	157741239	157743752	no
352	7.34e-79	-5.08	ENSG00000134202	GSTM3	chr1	-	110078077	110081314	no
353	9.23e-79	-2.92	ENSG00000160049	DFFA	chr1	-	10439166	10445853	yes,JnId_h_614
354	1.54e-78	-4.21	ENSG00000171843	MLLT3	chr9	-	20612244	20612542	no
354	1.54e-78	-14.28	ENSG00000171843	MLLT3	chr9	-	20331663	20336572	yes,JnId_h_77122
355	2.94e-78	-2.86	ENSG00000137420	NOL7	chr6	+	13728965	13729917	no
356	2.97e-78	-2.01	ENSG00000110107	PRPF19	chr11	-	60421894	60421999	no
356	2.97e-78	-3.62	ENSG00000110107	PRPF19	chr11	-	60414768	60415311	no
357	5.85e-78	-5.6	ENSG00000176142	TMEM39A	chr3	-	120631041	120633751	no
358	8.81e-78	-12.37	ENSG00000127616	SMARCA4	chr19	+	10932606	10932850	no
358	8.81e-78	-3.52	ENSG00000127616	SMARCA4	chr19	+	10955797	10956049	yes,JnId_b_32350
358	8.81e-78	-2.45	ENSG00000127616	SMARCA4	chr19	+	10957865	10958269	no
358	8.81e-78	-2.65	ENSG00000127616	SMARCA4	chr19	+	10958581	10958679	no
358	8.81e-78	-3.63	ENSG00000127616	SMARCA4	chr19	+	10959342	10959600	no
358	8.81e-78	-2.97	ENSG00000127616	SMARCA4	chr19	+	10968170	10968220	yes,JnId_b_32361
358	8.81e-78	-2.03	ENSG00000127616	SMARCA4	chr19	+	11002406	11002569	yes,JnId_h_40702
358	8.81e-78	-5.62	ENSG00000127616	SMARCA4	chr19	+	11033460	11033953	no
359	9,00E-78	-6.11	ENSG00000143761	ARF1	chr1	+	226336984	226337174	yes,JnId_h_8027
359	9,00E-78	-2.09	ENSG00000143761	ARF1	chr1	+	226352176	226353535	no
360	1.19e-77	-9.04	ENSG00000197746	PSAP	chr10	-	73280945	73281132	no
360	1.19e-77	-2.05	ENSG00000197746	PSAP	chr10	-	73255600	73255656	no
360	1.19e-77	-5.19	ENSG00000197746	PSAP	chr10	-	73246061	73247239	yes,JnId_h_9862
361	1.26e-77	-8.41	ENSG00000145833	DDX46	chr5	+	134192248	134194708	no
362	2.52e-77	-12.56	ENSG00000161939	C17orf49	chr17	+	6858188	6859199	yes,JnId_h_32940
363	2.81e-77	-2.78	ENSG00000058262	SEC61A1	chr3	+	129253902	129254092	no
364	5.44e-77	-2.33	ENSG00000145687	SSBP2	chr5	-	81082556	81082828	no
364	5.44e-77	-6.29	ENSG00000145687	SSBP2	chr5	-	80744596	80752108	yes,JnId_b_51546
365	5.83e-77	-5.32	ENSG00000116649	SRM	chr1	-	11042421	11042678	no
366	1.31e-76	-3.01	ENSG00000104738	MCM4	chr8	+	49036047	49036327	yes,JnId_h_75261
366	1.31e-76	-2.39	ENSG00000104738	MCM4	chr8	+	49051799	49052621	no
367	1.86e-76	-4.84	ENSG00000182087	C19orf6	chr19	-	971771	972141	no
367	1.86e-76	-9.18	ENSG00000182087	C19orf6	chr19	-	960650	961894	yes,JnId_h_39275
368	5.16e-76	-4.17	ENSG00000134453	RBM17	chr10	+	6170956	6171162	no
368	5.16e-76	-4.54	ENSG00000134453	RBM17	chr10	+	6197422	6198849	no
369	1.08e-75	-5.75	ENSG00000116679	IVNS1ABP	chr1	-	183532143	183534043	no
370	1.26e-75	-6.12	ENSG00000116729	GPR177	chr1	-	68363627	68364606	"yes,JnId_h_3789;JnId_h_3791"
370	1.26e-75	-15	ENSG00000116729	GPR177	chr1	-	68336740	68337024	no
371	2.93e-75	-3	ENSG00000111530	CAND1	chr12	+	65977795	65977900	no
371	2.93e-75	-4.12	ENSG00000111530	CAND1	chr12	+	65992653	65994658	no
372	3.89e-75	-7.92	ENSG00000143368	SF3B4	chr1	-	148166242	148167146	no

373	5.68e-75	-4.5	ENSG00000160967	CUTL1	chr7	+	101626634	101627305	yes,JnId_h_72920
373	5.68e-75	-3.7	ENSG00000160967	CUTL1	chr7	+	101631360	101632204	yes,JnId_h_72920
373	5.68e-75	-2.06	ENSG00000160967	CUTL1	chr7	+	101634391	101634556	yes,JnId_h_72920
373	5.68e-75	-2.7	ENSG00000160967	CUTL1	chr7	+	101657367	101657669	yes,JnId_h_72920
373	5.68e-75	-3.43	ENSG00000160967	CUTL1	chr7	+	101664052	101664240	yes,JnId_h_72920
373	5.68e-75	-4.21	ENSG00000160967	CUTL1	chr7	+	101669320	101669584	yes,JnId_h_72920
373	5.68e-75	-6.56	ENSG00000160967	CUTL1	chr7	+	101678412	101679860	yes,JnId_h_72920
374	6.61e-75	-8.75	ENSG00000102030	ARD1A	chrX	-	152847889	152848870	no
375	6.84e-75	-2.29	ENSG00000172053	QARS	chr3	-	49111037	49111129	yes,JnId_h_57025
375	6.84e-75	-2.25	ENSG00000172053	QARS	chr3	-	49110629	49110695	yes,JnId_h_57025
375	6.84e-75	-3.16	ENSG00000172053	QARS	chr3	-	49110429	49110554	yes,JnId_b_45850
375	6.84e-75	-5.28	ENSG00000172053	QARS	chr3	-	49108377	49108516	yes,JnId_b_45850
376	8.55e-75	-4.56	ENSG00000116288	PARK7	chr1	+	7967541	7968152	no
377	1.41e-74	-2.61	ENSG00000102158	Q96SP2	chrX	-	76998613	76999026	no
378	1.98e-74	-2.27	ENSG00000132780	NASP	chr1	+	45845580	45846596	yes,JnId_h_2994
378	1.98e-74	-7.09	ENSG00000132780	NASP	chr1	+	45856320	45857145	no
379	2.54e-74	-4.3	ENSG00000143870	PDIA6	chr2	-	10870255	10870421	no
380	9.35e-74	-3.35	ENSG00000153914	SFRS12	chr5	+	65510303	65515199	no
381	1.14e-73	-2.45	ENSG0000015479	MATR3	chr5	+	138641915	138641996	yes,JnId_b_52230
382	1.54e-73	-5.98	ENSG00000057935	MTA3	chr2	+	42834018	42837590	no
383	1.77e-73	-8.13	ENSG00000011451	WIZ	chr19	-	15410389	15412420	no
384	1.8e-73	-3.95	ENSG00000198818	SFT2D1	chr6	-	166656335	166658073	yes,JnId_h_70661
385	1.90e-73	-2.17	ENSG00000115524	SF3B1	chr2	-	197965941	197966157	no
385	1.90e-73	-4.46	ENSG00000115524	SF3B1	chr2	-	197964945	197965430	no
386	1.96e-73	-14.03	ENSG00000167085	PHB	chr17	-	44836419	44837565	no
387	2.25e-73	-3.46	ENSG00000122952	ZWINT	chr10	-	57788323	57788491	yes,JnId_h_9561
387	2.25e-73	-11.14	ENSG00000122952	ZWINT	chr10	-	57786995	57788226	yes,JnId_h_9558
388	2.25e-73	-5.35	ENSG00000143612	Clorf43	chr1	-	152450834	152451478	no
389	2.85e-73	-4.09	ENSG00000168724	DNJA5_HUMAN	chr5	+	34965455	34965778	no
389	2.85e-73	-6.06	ENSG00000168724	DNJA5_HUMAN	chr5	+	34990415	34994825	no
390	3.05e-73	-2.08	ENSG00000119707	RBM25	chr14	+	72624462	72624622	no
390	3.05e-73	-2.96	ENSG00000119707	RBM25	chr14	+	72633376	72633561	no
390	3.05e-73	-7.6	ENSG00000119707	RBM25	chr14	+	72656174	72657740	no
391	3.60e-73	-2.12	ENSG00000196367	TRRAP	chr7	+	98316649	98316809	no
391	3.60e-73	-2.99	ENSG00000196367	TRRAP	chr7	+	98327983	98328087	no
391	3.60e-73	-2.02	ENSG00000196367	TRRAP	chr7	+	98336183	98336279	no
391	3.60e-73	-3.65	ENSG00000196367	TRRAP	chr7	+	98365548	98365765	yes,JnId_b_58045
391	3.60e-73	-2.56	ENSG00000196367	TRRAP	chr7	+	98384976	98385140	yes,JnId_b_58045
391	3.60e-73	-3.32	ENSG00000196367	TRRAP	chr7	+	98413770	98413882	yes,JnId_b_58045
391	3.60e-73	-5.16	ENSG00000196367	TRRAP	chr7	+	98447630	98450514	no
392	8.62e-73	-3.51	ENSG00000101310	SEC23B	chr20	+	18436188	18436674	yes,JnId_h_50410
392	8.62e-73	-2.06	ENSG00000101310	SEC23B	chr20	+	18479733	18479819	yes,JnId_h_50425
392	8.62e-73	-2.59	ENSG00000101310	SEC23B	chr20	+	18482879	18483034	yes,JnId_b_40504
392	8.62e-73	-5.58	ENSG00000101310	SEC23B	chr20	+	18489295	18490059	no
393	1.08e-72	-3.83	ENSG00000141568	FOXK2	chr17	+	78070883	78071472	no
394	1.13e-72	-3.81	ENSG00000174231	PRPF8	chr17	-	1534824	1534904	"yes,JnId_h_32394;JnId_h_32393"
394	1.13e-72	-3.71	ENSG00000174231	PRPF8	chr17	-	1534516	1534626	yes,JnId_h_32348
394	1.13e-72	-2.42	ENSG00000174231	PRPF8	chr17	-	1533577	1533745	yes,JnId_h_32348
394	1.13e-72	-2.5	ENSG00000174231	PRPF8	chr17	-	1530973	1531098	yes,JnId_h_32348
394	1.13e-72	-2.19	ENSG00000174231	PRPF8	chr17	-	1503586	1503727	"yes,JnId_h_32348;JnId_h_32350"
394	1.13e-72	-2.56	ENSG00000174231	PRPF8	chr17	-	1501692	1501832	"yes,JnId_h_32348;JnId_h_32350"
394	1.13e-72	-3.11	ENSG00000174231	PRPF8	chr17	-	1501458	1501597	"yes,JnId_h_32348;JnId_h_32350"
394	1.13e-72	-3.21	ENSG00000174231	PRPF8	chr17	-	1501152	1501354	"yes,JnId_h_32348;JnId_h_32350"
394	1.13e-72	-7.26	ENSG00000174231	PRPF8	chr17	-	1500673	1501000	yes,JnId_h_32348
395	9.16e-72	-6.78	ENSG00000010256	UQCRC1	chr3	-	48621989	48622474	no
395	9.16e-72	-3.75	ENSG00000010256	UQCRC1	chr3	-	48611440	48611629	yes,JnId_b_45724
396	1.57e-71	-5.13	ENSG00000137070	IL11RA	chr9	+	34640366	34642054	no
396	1.57e-71	-2.53	ENSG00000137070	IL11RA	chr9	+	34650501	34650816	no
397	2.17e-71	-3.01	ENSG00000100813	ACIN1	chr14	-	22634024	22634663	no
397	2.17e-71	-2.04	ENSG00000100813	ACIN1	chr14	-	22610174	22610235	"yes,JnId_h_23016;JnId_h_23017"
398	6.44e-71	-2.95	ENSG00000106829	TLE4	chr9	+	81376508	81377570	no
398	6.44e-71	-5.28	ENSG00000106829	TLE4	chr9	+	81432109	81432487	yes,JnId_h_77857
398	6.44e-71	-4.35	ENSG00000106829	TLE4	chr9	+	81529772	81531478	yes,JnId_h_77872
399	7.8e-71	-15.75	ENSG00000117697	NSL1	chr1	-	210976921	210978651	no

400	8.76e-71	-4.5	ENSG00000077721	UBE2A	chrX	+	118598326	118599591	no
401	1.08e-70	-5.53	ENSG00000070669	ASNS	chr7	-	97338967	97339244	"yes,JnId_h_72488;JnId_h_72489"
402	1.17e-70	-4.46	ENSG00000108654	DDX5	chr17	-	59926202	59926906	yes,JnId_h_36582
403	5.96e-70	-3.11	ENSG00000125107	CNOT1	chr16	-	57221133	57221251	no
403	5.96e-70	-2.89	ENSG00000125107	CNOT1	chr16	-	57112588	57112722	no
403	5.96e-70	-4.8	ENSG00000125107	CNOT1	chr16	-	57111359	57112441	no
404	1.09e-69	-2.66	ENSG00000071054	MAP4K4	chr2	+	101843719	101843880	yes,JnId_h_47034
404	1.09e-69	-2.67	ENSG00000071054	MAP4K4	chr2	+	101846715	101846945	yes,JnId_h_47034
404	1.09e-69	-2.9	ENSG00000071054	MAP4K4	chr2	+	101874060	101877583	no
405	1.14e-69	-4.44	ENSG00000075043	KCNQ2	chr20	-	61573965	61574437	no
405	1.14e-69	-4.1	ENSG00000075043	KCNQ2	chr20	-	61535476	61535700	no
406	1.97e-69	-5.79	ENSG00000135341	MAP3K7	chr6	-	91316908	91318619	yes,JnId_h_69346
406	1.97e-69	-3.1	ENSG00000135341	MAP3K7	chr6	-	91280013	91283121	no
407	3.13e-69	-4.33	ENSG00000142687	KIAA0319L	chr1	-	35795395	35795601	yes,JnId_h_2197
407	3.13e-69	-2.27	ENSG00000142687	KIAA0319L	chr1	-	35792538	35792707	no
407	3.13e-69	-2.87	ENSG00000142687	KIAA0319L	chr1	-	35700809	35700901	yes,JnId_h_2188
407	3.13e-69	-13.71	ENSG00000142687	KIAA0319L	chr1	-	35676730	35679326	no
408	4.82e-69	-6.92	ENSG00000134744	ZCCHC11	chr1	-	52753038	52754314	no
408	4.82e-69	-5.1	ENSG00000134744	ZCCHC11	chr1	-	52661535	52662262	no
409	5.92e-69	-2.33	ENSG00000165283	STOML2	chr9	-	35093047	35093113	no
409	5.92e-69	-2.75	ENSG00000165283	STOML2	chr9	-	35090595	35091008	yes,JnId_h_77453
409	5.92e-69	-4.03	ENSG00000165283	STOML2	chr9	-	35089593	35090169	no
410	6.02e-69	-4.48	ENSG00000106105	GARS	chr7	+	30600706	30601284	yes,JnId_h_71452
411	6.04e-69	-2.27	ENSG00000063601	MTMR1	chrX	+	149612505	149612807	no
411	6.04e-69	-3.14	ENSG00000063601	MTMR1	chrX	+	149683643	149684234	no
412	7.08e-69	-8.17	ENSG00000132300	PTCD3	chr2	+	86218103	86222791	no
413	9.97e-69	-7.43	ENSG00000160200	CBS	chr21	-	43366445	43366520	no
413	9.97e-69	-2.43	ENSG00000160200	CBS	chr21	-	43361688	43361794	yes,JnId_h_52708
413	9.97e-69	-6.37	ENSG00000160200	CBS	chr21	-	43346374	43346826	no
414	1.04e-68	-2.07	ENSG00000143476	DTL	chr1	+	210275542	210275907	no
414	1.04e-68	-2.25	ENSG00000143476	DTL	chr1	+	210302849	210302914	yes,JnId_h_7462
414	1.04e-68	-4.15	ENSG00000143476	DTL	chr1	+	210308189	210308292	yes,JnId_h_7462
414	1.04e-68	-5.63	ENSG00000143476	DTL	chr1	+	210342807	210344971	no
415	1.29e-68	-6.59	ENSG00000131473	ACLY	chr17	-	37328659	37328798	no
415	1.29e-68	-6.6	ENSG00000131473	ACLY	chr17	-	37276710	37277683	no
416	1.32e-68	-3.26	ENSG00000175334	BANF1	chr11	+	65526126	65526617	yes,JnId_h_14485
417	1.62e-68	-7.24	ENSG00000203879	GDI1	chrX	+	153318460	153318839	no
418	1.97e-68	-2.05	ENSG00000090061	CCNK	chr14	+	99030060	99031719	no
419	3.51e-68	-3.18	ENSG00000132824	SERINC3	chr20	-	42559486	42562489	no
420	5.48e-68	-6.28	ENSG00000134419	RPS15A	chr16	-	18709067	18709157	no
421	7.17e-68	-11.1	ENSG00000107949	BCCIP	chr10	+	127514663	127515110	yes,JnId_b_8750
421	7.17e-68	-8.14	ENSG00000107949	BCCIP	chr10	+	127519814	127521365	no
421	7.17e-68	-20.83	ENSG00000107949	BCCIP	chr10	+	127531684	127532254	no
422	9.2e-68	-4.11	ENSG00000154277	UCHL1	chr4	+	40953607	40953794	yes,JnId_b_49151
422	9.2e-68	-4.94	ENSG00000154277	UCHL1	chr4	+	40953889	40954511	"yes,JnId_b_49151;JnId_b_49152"
423	9.67e-68	-2.04	ENSG00000116473	RAP1A	chr1	+	111963928	111964079	no
423	9.67e-68	-4.67	ENSG00000116473	RAP1A	chr1	+	112056576	112060836	no
424	1.04e-67	-6.28	ENSG00000134644	PUM1	chr1	-	31311050	31311350	no
424	1.04e-67	-3.58	ENSG00000134644	PUM1	chr1	-	31176940	31178776	no
425	1.22e-67	-3.74	ENSG00000115241	PPM1G	chr2	-	27485674	27486058	no
426	1.22e-67	-9.35	ENSG00000171603	CLSTN1	chr1	-	9806288	9807171	no
426	1.22e-67	-2.58	ENSG00000171603	CLSTN1	chr1	-	9711671	9713350	no
427	1.54e-67	-5.39	ENSG00000040487	PQLC2	chr1	+	19511407	19511970	yes,JnId_h_1157
428	3.1e-67	-2.89	ENSG00000124208	UBE2V1	chr20	-	48165429	48165901	no
429	3.21e-67	-2.42	ENSG00000137337	MDC1	chr6	-	30783322	30784113	no
429	3.21e-67	-2.33	ENSG00000137337	MDC1	chr6	-	30775563	30776388	no
430	4.42e-67	-4.82	ENSG00000165458	INPPL1	chr11	+	71613473	71613858	no
430	4.42e-67	-3.14	ENSG00000165458	INPPL1	chr11	+	71625816	71626488	yes,JnId_h_15083
430	4.42e-67	-4.95	ENSG00000165458	INPPL1	chr11	+	71626734	71626867	yes,JnId_h_15092
430	4.42e-67	-7.33	ENSG00000165458	INPPL1	chr11	+	71626955	71627797	no
431	7.67e-67	-6.66	ENSG00000102580	DNAJC3	chr13	+	95125276	95127592	no
431	7.67e-67	-2.85	ENSG00000102580	DNAJC3	chr13	+	95241128	95245243	yes,JnId_h_22282
432	1.12e-66	-2	ENSG00000109919	MTCH2	chr11	-	47608683	47608742	no
432	1.12e-66	-12.68	ENSG00000109919	MTCH2	chr11	-	47595444	47597047	no

433	1.43e-66	-2.38	ENSG00000140105	WARS	chr14	-	99912350	99912433	yes,JnId_h_25163
433	1.43e-66	-2.16	ENSG00000140105	WARS	chr14	-	99869878	99871126	no
434	1.75e-66	-3.06	ENSG00000136448	NMT1	chr17	+	40538513	40541903	no
435	2.60e-66	-2.43	ENSG00000095380	NANS	chr9	+	99884949	99885178	no
436	2.95e-66	-5.24	ENSG00000113328	CCNG1	chr5	+	162797155	162797388	yes,JnId_h_66181
436	2.95e-66	-4.94	ENSG00000113328	CCNG1	chr5	+	162803258	162804598	no
437	3,00E-66	-7.32	ENSG00000147677	EIF3S3	chr8	-	117726253	117726523	yes,JnId_h_76110
438	3.05e-66	-5.21	ENSG00000102710	FAM48A	chr13	-	36481637	36481946	yes,JnId_h_21561
439	4.1e-66	-4.41	ENSG00000116478	HDAC1	chr1	+	32570278	32570430	no
439	4.1e-66	-12.96	ENSG00000116478	HDAC1	chr1	+	32571205	32571823	no
440	4.24e-66	-6.07	ENSG00000107959	PITRM1	chr10	-	3204909	3204999	no
440	4.24e-66	-6.59	ENSG00000107959	PITRM1	chr10	-	3189122	3189723	yes,JnId_h_8754
440	4.24e-66	-6.79	ENSG00000107959	PITRM1	chr10	-	3179764	3181945	"yes,JnId_h_8748;JnId_h_8749;JnId_h_8749;JnId_h_8750;JnId_h_8750"
440	4.24e-66	-5	ENSG00000107959	PITRM1	chr10	-	3169922	3170316	no
441	5.97e-66	-4.59	ENSG00000108883	EFTUD2	chr17	-	40283363	40284263	no
442	6.65e-66	-14.47	ENSG00000186676	EEF1G	chr11	-	62083651	62083885	yes,JnId_b_10349
443	6.88e-66	-3.79	ENSG00000130640	TUBGCP2	chr10	-	134953318	134954528	no
443	6.88e-66	-2.91	ENSG00000130640	TUBGCP2	chr10	-	134944767	134944930	no
443	6.88e-66	-6.16	ENSG00000130640	TUBGCP2	chr10	-	134943125	134943395	no
444	8.44e-66	-5.08	ENSG00000168385	2-Sep	chr2	+	241903396	241903698	no
445	1.06e-65	-2.85	ENSG00000124535	WRNIP1	chr6	+	2730240	2731926	yes,JnId_h_66865
446	1.28e-65	-6.23	ENSG00000136003	ISCU	chr12	+	107479369	107480641	no
447	1.59e-65	-4.97	ENSG00000196352	CD55	chr1	+	205561476	205561833	no
447	1.59e-65	-10.79	ENSG00000196352	CD55	chr1	+	205599514	205600934	no
448	2.12e-65	-3.86	ENSG00000100296	THOC5	chr22	-	28237095	28237285	no
448	2.12e-65	-11.16	ENSG00000100296	THOC5	chr22	-	28231868	28234509	no
449	3.91e-65	-4.22	ENSG00000084623	EIF3S2	chr1	+	32460558	32460632	no
449	3.91e-65	-3.31	ENSG00000084623	EIF3S2	chr1	+	32469303	32469792	no
450	4.36e-65	-2.8	ENSG00000146701	MDH2	chr7	+	75533533	75533863	no
451	5.16e-65	-16.6	ENSG00000136271	DDX56	chr7	-	44579960	44581175	no
451	5.16e-65	-2.27	ENSG00000136271	DDX56	chr7	-	44574242	44574347	no
452	5.35e-65	-2.75	ENSG00000197170	PSMD12	chr17	-	62765976	62767630	no
452	5.35e-65	-4.07	ENSG00000197170	PSMD12	chr17	-	62764495	62765184	no
453	5.75e-65	-6.5	ENSG00000104341	LAPTM4B	chr8	+	98856461	98857512	no
454	7.03e-65	-3.08	ENSG00000093010	COMT	chr22	+	18336059	18337450	no
455	8.6e-65	-2.43	ENSG00000204842	ATXN2	chr12	-	110520971	110521863	no
455	8.6e-65	-3.01	ENSG00000204842	ATXN2	chr12	-	110374455	110378443	"yes,JnId_h_19980;JnId_h_19981;JnId_h_19981;JnId_h_19982;JnId_h_19982;JnId_h_19983;JnId_h_19983"
456	2.25e-64	-5.47	ENSG00000183020	AP2A2	chr11	+	915841	916088	no
456	2.25e-64	-2.54	ENSG00000183020	AP2A2	chr11	+	990432	990598	no
456	2.25e-64	-6.17	ENSG00000183020	AP2A2	chr11	+	1000548	1002240	no
457	2.84e-64	-2.49	ENSG00000155366	RHOC	chr1	-	113051223	113051579	no
457	2.84e-64	-3.88	ENSG00000155366	RHOC	chr1	-	113049198	113050397	yes,JnId_h_4730
458	2.86e-64	-16.79	ENSG00000129460	NGDN	chr14	+	23016552	23017853	yes,JnId_h_23053
459	3.21e-64	-8.34	ENSG00000126247	CAPNS1	chr19	+	41322757	41322899	no
459	3.21e-64	-5.69	ENSG00000126247	CAPNS1	chr19	+	41323739	41323962	no
460	4.3e-64	-2.88	ENSG00000142892	PIGK	chr1	-	77391809	77392894	no
460	4.3e-64	-2.22	ENSG00000142892	PIGK	chr1	-	77327263	77330763	no
461	5,00E-64	-5.87	ENSG00000101856	PGRMC1	chrX	+	118261142	118262457	no
462	5.95e-64	-2.41	ENSG00000185104	FAF1	chr1	-	51198027	51198524	no
462	5.95e-64	-2.88	ENSG00000185104	FAF1	chr1	-	50944046	50944311	no
462	5.95e-64	-5.3	ENSG00000185104	FAF1	chr1	-	50677738	50679783	no
463	7.61e-64	-12.37	ENSG00000022267	FHL1	chrX	+	135057290	135057453	no
463	7.61e-64	-2.34	ENSG00000022267	FHL1	chrX	+	135119696	135121184	no
464	8.24e-64	-3.44	ENSG00000075151	EIF4G3	chr1	-	21375802	21375930	no
464	8.24e-64	-2.57	ENSG00000075151	EIF4G3	chr1	-	21375255	21375438	no
464	8.24e-64	-2.32	ENSG00000075151	EIF4G3	chr1	-	21092191	21092716	no
464	8.24e-64	-4.18	ENSG00000075151	EIF4G3	chr1	-	21005563	21006580	yes,JnId_h_1233
465	1.04e-63	-2.09	ENSG00000100503	NIN	chr14	-	50262301	50262534	yes,JnId_h_23672
465	1.04e-63	-2.57	ENSG00000100503	NIN	chr14	-	50256232	50260140	no
466	2.14e-63	-2.07	ENSG00000163466	ARPC2	chr2	+	218790119	218790222	yes,JnId_b_39388
466	2.14e-63	-2.4	ENSG00000163466	ARPC2	chr2	+	218826859	218827315	no
467	2.44e-63	-2.07	ENSG00000080603	Q6P4A2	chr16	+	30618730	30618803	no
467	2.44e-63	-2.57	ENSG00000080603	Q6P4A2	chr16	+	30629576	30629669	no
467	2.44e-63	-2.6	ENSG00000080603	Q6P4A2	chr16	+	30652716	30652830	no

467	2.44e-63	-12.38	ENSG00000080603	Q6P4A2	chr16	+	30662604	30663100	no	
468	2.69e-63	-3.96	ENSG00000145495	MARCH6	chr5	+	10406828	10407029	no	
468	2.69e-63	-2.86	ENSG00000145495	MARCH6	chr5	+	10430910	10431006	no	
468	2.69e-63	-3.75	ENSG00000145495	MARCH6	chr5	+	10486706	10488491	yes	JnId_h_63483
469	2.73e-63	-2.83	ENSG00000065135	GNAI3	chr1	+	109936490	109938498	no	
470	3.3e-63	-2.79	ENSG00000026297	RNASET2	chr6	-	167266853	167268485	no	
471	3.32e-63	-3.5	ENSG00000117597	C1orf107	chr1	+	208091172	208097533	yes	JnId_h_7412
472	3.5e-63	-13.33	ENSG00000136108	CKAP2	chr13	+	51937431	51937946	no	
472	3.5e-63	-5.5	ENSG00000136108	CKAP2	chr13	+	51945965	51946220	no	
472	3.5e-63	-11.93	ENSG00000136108	CKAP2	chr13	+	51947031	51948759	no	
473	3.90e-63	-2.36	ENSG00000144021	CIAO1	chr2	+	96300576	96303619	yes	JnId_h_46754
474	4.01e-63	-7.2	ENSG00000134686	PHC2	chr1	-	33605304	33605616	no	
474	4.01e-63	-8.19	ENSG00000134686	PHC2	chr1	-	33593026	33593441	no	
474	4.01e-63	-6.31	ENSG00000134686	PHC2	chr1	-	33587785	33588083	no	
475	1.07e-62	-3.92	ENSG00000105583	C19orf56	chr19	-	12641168	12643170	no	
476	1.11e-62	-3.21	ENSG00000157514	TSC22D3	chrX	-	106904986	106905645	no	
477	1.22e-62	-3.45	ENSG00000114646	CSPG5	chr3	-	47595091	47597286	no	
478	1.60e-62	-2.66	ENSG00000132275	KIAA0409	chr11	-	6572881	6578071	no	
479	1.64e-62	-5.59	ENSG00000157654	PALM2	chr9	+	111744787	111753577	no	
480	1.90e-62	-4.61	ENSG00000143155	TIPRL	chr1	+	166435765	166437976	no	
481	1.94e-62	-7.67	ENSG00000156531	PHF6	chrX	+	133378865	133382019	no	
482	1.94e-62	-5.5	ENSG00000134970	TICAM2	chr5	-	114942247	114944911	no	
483	2.34e-62	-2.67	ENSG00000188529	FUSIP1	chr1	-	24163881	24167033	yes	JnId_h_1471
484	2.94e-62	-2.64	ENSG00000022840	RNF10	chr12	+	119456538	119457154	no	
484	2.94e-62	-3.23	ENSG00000022840	RNF10	chr12	+	119497978	119498136	no	
484	2.94e-62	-11.64	ENSG00000022840	RNF10	chr12	+	119498776	119499740	no	
485	3.74e-62	-5.17	ENSG00000135778	C1orf57	chr1	+	231178711	231179897	yes	JnId_h_8245;JnId_h_8246"
486	3.74e-62	-3.1	ENSG00000076003	MCM6	chr2	-	136313674	136314991	no	
487	5.25e-62	-5.28	ENSG00000140464	PML	chr15	+	72123615	72127204	no	
488	7.14e-62	-4.96	ENSG00000119522	DENND1A	chr9	-	125202199	125204012	yes	JnId_b_63322
489	1.32e-61	-3.96	ENSG00000105197	TIMM50	chr19	+	44662892	44663441	no	
489	1.32e-61	-3.08	ENSG00000105197	TIMM50	chr19	+	44672199	44673368	no	
490	1.43e-61	-6.86	ENSG00000130816	DNMT1	chr19	-	10166496	10166811	no	
490	1.43e-61	-4.42	ENSG00000130816	DNMT1	chr19	-	10152454	10152561	no	
490	1.43e-61	-2.48	ENSG00000130816	DNMT1	chr19	-	10107412	10107528	no	
490	1.43e-61	-5.78	ENSG00000130816	DNMT1	chr19	-	10105893	10105983	no	
490	1.43e-61	-8.81	ENSG00000130816	DNMT1	chr19	-	10105023	10105377	no	
491	1.74e-61	-2.75	ENSG00000116455	WDR77	chr1	-	111792764	111792949	no	
491	1.74e-61	-5.54	ENSG00000116455	WDR77	chr1	-	111784035	111785534	no	
492	1.99e-61	-2.27	ENSG00000168000	HNRPUL2	chr11	-	62231157	62231372	no	
493	2.09e-61	-2.26	ENSG00000163714	SR140_HUMAN	chr3	+	144221501	144221568	no	
493	2.09e-61	-3.33	ENSG00000163714	SR140_HUMAN	chr3	+	144257844	144259182	yes	JnId_h_59501
494	5.88e-61	-2.05	ENSG00000060339	CCAR1	chr10	+	70216309	70216455	yes	JnId_b_7198
494	5.88e-61	-2.08	ENSG00000060339	CCAR1	chr10	+	70217906	70218091	no	
494	5.88e-61	-3.38	ENSG00000060339	CCAR1	chr10	+	70219473	70219678	no	
495	7.73e-61	-2.01	ENSG00000011007	TCEB3	chr1	+	23942510	23942655	no	
495	7.73e-61	-3.33	ENSG00000011007	TCEB3	chr1	+	23958589	23961136	no	
496	1.24e-60	-6.75	ENSG00000171566	PLRG1	chr4	-	155675629	155677346	no	
497	1.43e-60	-4.2	ENSG00000167325	RRM1	chr11	+	4116001	4116681	yes	JnId_h_12297
498	1.71e-60	-4.92	ENSG00000125611	CHCHD5	chr2	+	113060248	113063325	yes	JnId_h_47263
499	1.72e-60	-5.1	ENSG00000081154	PCNP	chr3	+	102794161	102795969	no	
500	3.04e-60	-3.02	ENSG00000108840	HDAC5	chr17	-	39556398	39556540	no	
500	3.04e-60	-3.45	ENSG00000108840	HDAC5	chr17	-	39512038	39512171	no	
500	3.04e-60	-3.78	ENSG00000108840	HDAC5	chr17	-	39511394	39511559	no	
500	3.04e-60	-11.08	ENSG00000108840	HDAC5	chr17	-	39509647	39511309	no	
501	3.98e-60	-2.92	ENSG00000130396	MLLT4	chr6	+	167970520	167970766	yes	JnId_h_70698
501	3.98e-60	-2.08	ENSG00000130396	MLLT4	chr6	+	168109286	168109840	no	
501	3.98e-60	-2.44	ENSG00000130396	MLLT4	chr6	+	168113311	168115552	no	
502	3.99e-60	-5.21	ENSG00000183291	Q4GZG7	chr1	-	87152299	87152695	no	
502	3.99e-60	-4.24	ENSG00000183291	Q4GZG7	chr1	-	87100718	87101876	yes	JnId_h_4099
503	4.93e-60	-16.58	ENSG00000089597	GANAB	chr11	-	62170610	62170680	yes	JnId_h_13838
503	4.93e-60	-2.57	ENSG00000089597	GANAB	chr11	-	62163675	62163779	yes	JnId_h_13828
503	4.93e-60	-3.73	ENSG00000089597	GANAB	chr11	-	62163407	62163515	yes	JnId_h_13828
503	4.93e-60	-19.23	ENSG00000089597	GANAB	chr11	-	62158358	62158423	yes	JnId_h_13828;JnId_h_13832"

503	4.93e-60	-2.49	ENSG00000089597	GANAB	chr11	-	62157232	62157319	yes,JnId_h_13828
503	4.93e-60	-5.91	ENSG00000089597	GANAB	chr11	-	62148882	62149972	no
504	6.9e-60	-4	ENSG00000183527	DSCR2	chr21	-	39468565	39469460	no
505	8.2e-60	-3.7	ENSG00000049618	ARID1B	chr6	+	157140756	157142297	yes,JnId_b_56278
505	8.2e-60	-5	ENSG00000049618	ARID1B	chr6	+	157511450	157515224	no
506	1.20e-59	-4.97	ENSG00000183741	CBX6	chr22	-	37544403	37548784	no
507	1.22e-59	-7.97	ENSG00000137076	TLN1	chr9	-	35722072	35722369	no
507	1.22e-59	-2.2	ENSG00000137076	TLN1	chr9	-	35715562	35715724	no
507	1.22e-59	-5.13	ENSG00000137076	TLN1	chr9	-	35713101	35714076	no
507	1.22e-59	-2.4	ENSG00000137076	TLN1	chr9	-	35712858	35712918	no
508	1.43e-59	-6.79	ENSG00000156976	EIF4A2	chr3	+	187989608	187990377	no
509	6.59e-59	-2.7	ENSG00000162909	CAPN2	chr1	+	221966657	221967202	no
509	6.59e-59	-4.18	ENSG00000162909	CAPN2	chr1	+	222029159	222030343	no
510	1.01e-58	-10.18	ENSG00000125037	TMEM111	chr3	-	9979221	9980881	no
511	1.06e-58	-2.27	ENSG00000087365	SF3B2	chr11	+	65592195	65592380	no
511	1.06e-58	-4.67	ENSG00000087365	SF3B2	chr11	+	65592721	65592958	no
512	1.35e-58	-4.53	ENSG00000108953	YWHAE	chr17	-	1194558	1195543	no
513	2.57e-58	-8.17	ENSG00000134910	STT3A	chr11	+	124995877	124996478	no
514	3.30e-58	-10.69	ENSG00000185049	WHSC2	chr4	-	1980275	1981635	no
514	3.30e-58	-7.22	ENSG00000185049	WHSC2	chr4	-	1954248	1955028	no
515	3.83e-58	-3.96	ENSG00000107937	GTPBP4	chr10	+	1053015	1055876	no
516	1.23e-57	-7.8	ENSG00000167965	Q86Y18	chr16	+	2195206	2195514	no
516	1.23e-57	-2.46	ENSG00000167965	Q86Y18	chr16	+	2198452	2199412	yes,JnId_h_28915
517	1.35e-57	-2.38	ENSG0000029993	HMGB3	chrX	+	149906908	149909906	no
518	2.06e-57	-3.37	ENSG00000131233	GJA10	chr1	-	39111550	39114610	no
519	3.05e-57	-4.79	ENSG00000177600	RPLP2	chr11	+	802760	802876	no
520	5.56e-57	-4.12	ENSG00000075790	BCAP29	chr7	+	107046009	107048159	yes,JnId_h_73098
520	5.56e-57	-12.47	ENSG00000075790	BCAP29	chr7	+	107049311	107050998	no
520	5.56e-57	-2.44	ENSG00000138768	Q86TB8	chr4	+	76869028	76869169	no
520	5.56e-57	-2.06	ENSG00000138768	Q86TB8	chr4	+	76897673	76897750	yes,JnId_b_49531
520	5.56e-57	-2.71	ENSG00000138768	Q86TB8	chr4	+	76946663	76946749	no
520	5.56e-57	-3.26	ENSG00000138768	Q86TB8	chr4	+	76953383	76954388	no
522	5.64e-57	-9.36	ENSG00000168118	RAB4A	chr1	+	227506176	227507874	no
523	6.38e-57	-2.53	ENSG00000183479	TREX2	chrX	-	152380212	152380719	yes,JnId_h_82883
524	8.32e-57	-8.45	ENSG00000122692	SMU1	chr9	-	33031762	33037389	no
525	9.27e-57	-3.97	ENSG00000130723	KIAA0515	chr9	+	133259301	133259471	no
525	9.27e-57	-2.17	ENSG00000130723	KIAA0515	chr9	+	133339662	133341743	"yes,JnId_h_79743;JnId_h_79746;JnId_h_79758"
526	1.25e-56	-3.74	ENSG00000100101	NOL12	chr22	+	36417127	36419429	"yes,JnId_h_54396;JnId_h_54397;JnId_h_54397"
527	1.25e-56	-3.51	ENSG00000121031	PRKDC	chr8	-	49035086	49035296	no
527	1.25e-56	-2.61	ENSG00000121031	PRKDC	chr8	-	49032468	49032544	no
527	1.25e-56	-2.56	ENSG00000121031	PRKDC	chr8	-	49032284	49032376	no
527	1.25e-56	-6.25	ENSG00000121031	PRKDC	chr8	-	49029451	49029559	no
527	1.25e-56	-2.26	ENSG00000121031	PRKDC	chr8	-	49028920	49029032	no
527	1.25e-56	-2.18	ENSG00000121031	PRKDC	chr8	-	49019087	49019142	no
527	1.25e-56	-3	ENSG00000121031	PRKDC	chr8	-	49014664	49014810	yes,JnId_b_60336
527	1.25e-56	-2.45	ENSG00000121031	PRKDC	chr8	-	48990441	48990531	yes,JnId_b_60270
527	1.25e-56	-2.63	ENSG00000121031	PRKDC	chr8	-	48937176	48937241	"yes,JnId_b_60269;JnId_b_60270"
528	1.84e-56	-5.04	ENSG00000173744	HRB	chr2	+	228127396	228130548	no
529	2.06e-56	-2.17	ENSG00000113810	SMC4	chr3	+	161603158	161603349	no
529	2.06e-56	-3.84	ENSG00000113810	SMC4	chr3	+	161613955	161614095	no
529	2.06e-56	-2.29	ENSG00000113810	SMC4	chr3	+	161632765	161632997	no
529	2.06e-56	-5.77	ENSG00000113810	SMC4	chr3	+	161634139	161635433	no
530	3.12e-56	-2.2	ENSG00000118495	PLAGL1	chr6	-	144323299	144324242	no
531	3.18e-56	-4.37	ENSG00000104408	EIF3S6	chr8	-	109283162	109283328	no
532	3.96e-56	-3.62	ENSG00000140391	TSPAN3	chr15	-	75150289	75150568	yes,JnId_h_27582
533	5.13e-56	-5.49	ENSG00000204632	HLA-G	chr6	+	29964223	29964498	yes,JnId_h_67351
534	6.04e-56	-4.19	ENSG00000136156	ITM2B	chr13	+	47733276	47734233	no
535	7.03e-56	-2.3	ENSG00000072041	SLC6A15	chr12	-	83798758	83801950	no
536	7.92e-56	-2.49	ENSG00000147044	CASK	chrX	-	41667127	41667660	no
536	7.92e-56	-4.2	ENSG00000147044	CASK	chrX	-	41303694	41304044	no
536	7.92e-56	-6.78	ENSG00000147044	CASK	chrX	-	41259131	41264793	no
537	1.36e-55	-11.96	ENSG00000055950	MRPL43	chr10	-	102727569	102729119	no
538	1.69e-55	-3.94	ENSG00000086061	DNAJA1	chr9	+	33028683	33029905	no
539	1.86e-55	-2.12	ENSG00000070061	IKBKAP	chr9	-	110696044	110696167	no

539	1.86e-55	-5.22	ENSG00000070061	IKBKAP	chr9	-	110669618	110671283	no
540	2.59e-55	-8.75	ENSG00000124422	USP22	chr17	-	20886570	20886944	no
540	2.59e-55	-5.79	ENSG00000124422	USP22	chr17	-	20843502	20846978	no
541	3.17e-55	-2.27	ENSG00000007372	PAX6	chr11	-	31789239	31789801	no
541	3.17e-55	-2.61	ENSG00000007372	PAX6	chr11	-	31788030	31788791	yes,JnId_h_12902
541	3.17e-55	-2.4	ENSG00000007372	PAX6	chr11	-	31780828	31782170	yes,JnId_h_12900
542	3.75e-55	-3.14	ENSG00000124207	CSE1L	chr20	+	47140881	47140966	no
542	3.75e-55	-2.3	ENSG00000124207	CSE1L	chr20	+	47144084	47144230	no
542	3.75e-55	-2.65	ENSG00000124207	CSE1L	chr20	+	47144676	47144907	no
542	3.75e-55	-7.25	ENSG00000124207	CSE1L	chr20	+	47146293	47146891	no
543	5.08e-55	-3.23	ENSG00000101421	CHMP4B	chr20	+	31904963	31905830	no
544	6.14e-55	-6.11	ENSG00000198060	MARCH5	chr10	+	94100828	94103701	no
545	8.36e-55	-5.37	ENSG00000180822	Q5JS53	chr6	+	3235032 3237217	no	
546	9.23e-55	-3.89	ENSG00000121057	AKAP1	chr17	+	52540306	52540408	yes,JnId_h_36080
546	9.23e-55	-2.94	ENSG00000121057	AKAP1	chr17	+	52552610	52553608	no
547	9.45e-55	-3.85	ENSG00000105698	USF2	chr19	+	40451721	40451906	no
547	9.45e-55	-2.72	ENSG00000105698	USF2	chr19	+	40461910	40462558	no
548	1.66e-54	-4.76	ENSG00000090520	DNAJB11	chr3	+	187770646	187771448	no
548	1.66e-54	-5.6	ENSG00000090520	DNAJB11	chr3	+	187785827	187786282	no
549	1.78e-54	-4.77	ENSG00000130283	GDF1	chr19	-	18867633	18867953	no
549	1.78e-54	-3.81	ENSG00000130283	GDF1	chr19	-	18841792	18842428	no
549	1.78e-54	-9.12	ENSG00000130283	GDF1	chr19	-	18840354	18841199	no
550	1.88e-54	-2.45	ENSG00000169714	CNBP	chr3	-	130371020	130372103	no
551	2.43e-54	-2.3	ENSG00000136758	YME1L1	chr10	-	27443456	27443542	no
551	2.43e-54	-3.75	ENSG00000136758	YME1L1	chr10	-	27439389	27441055	no
552	3.06e-54	-20.22	ENSG00000166012	SNORA25	chr11	-	93103017	93104030	yes,JnId_b_12019
553	3.11e-54	-4.86	ENSG00000105379	ETFB	chr19	-	56549216	56552178	no
553	3.11e-54	-2.23	ENSG00000105379	ETFB	chr19	-	56540222	56540447	no
554	4.75e-54	-4.17	ENSG00000175203	DCTN2	chr12	-	56210202	56210825	no
555	5.22e-54	-3.34	ENSG00000135862	LAMC1	chr1	+	181259176	181259892	no
555	5.22e-54	-4.11	ENSG00000135862	LAMC1	chr1	+	181344034	181344164	no
555	5.22e-54	-2.4	ENSG00000135862	LAMC1	chr1	+	181352335	181352433	no
555	5.22e-54	-3.16	ENSG00000135862	LAMC1	chr1	+	181378292	181381350	yes,JnId_h_6819
556	5.71e-54	-2.67	ENSG00000087502	ERGIC2	chr12	-	29414314	29414422	no
556	5.71e-54	-8.27	ENSG00000087502	ERGIC2	chr12	-	29381556	29385418	no
557	7.34e-54	-2.62	ENSG00000168813	ZNF507	chr19	+	37539362	37542539	no
558	9.55e-54	-3.8	ENSG00000168710	AHCYL1	chr1	+	110328831	110329317	no
558	9.55e-54	-2.36	ENSG00000168710	AHCYL1	chr1	+	110365819	110367880	no
559	1.26e-53	-2.06	ENSG00000100359	RUTBC3	chr22	+	39132388	39134379	"yes,JnId_h_54641;JnId_h_54642;JnId_h_54642;JnId_h_54643;JnId_h_54643;JnId_h_54644;JnId_h_54644;JnId_h_54645;JnId_h_54645;JnId_h_54645;JnId_h_54645"
559	1.26e-53	-3.13	ENSG00000100359	RUTBC3	chr22	+	39134744	39135322	"yes,JnId_h_54650;JnId_h_54651;JnId_h_54651;JnId_h_54653"
559	1.26e-53	-3.73	ENSG00000100359	RUTBC3	chr22	+	39135415	39136239	"yes,JnId_h_54653;JnId_h_54654;JnId_h_54655;JnId_h_54655"
560	1.66e-53	-7.87	ENSG00000131584	CENTB5	chr1	-	1229329 1231172	no	
560	1.66e-53	-2.99	ENSG00000131584	CENTB5	chr1	-	1223810 1224198	no	
561	2.85e-53	-3.18	ENSG0000010244	ZNF207	chr17	+	27720731	27721583	yes,JnId_b_27265
562	3.73e-53	-17.08	ENSG00000117984	CTSD	chr11	-	1741598 1741798	no	
562	3.73e-53	-4.04	ENSG00000117984	CTSD	chr11	-	1739115 1739274	no	
562	3.73e-53	-20.99	ENSG00000117984	CTSD	chr11	-	1730558 1731476	no	
563	3.97e-53	-2.93	ENSG00000054148	PHPT1	chr9	+	138862255	138862556	no
564	4.06e-53	-4.08	ENSG00000132182	NUP210	chr3	-	13436560	13436809	no
564	4.06e-53	-2.21	ENSG00000132182	NUP210	chr3	-	13404803	13404953	yes,JnId_h_55743
564	4.06e-53	-2.06	ENSG00000132182	NUP210	chr3	-	13356736	13356798	"yes,JnId_h_55742;JnId_h_55743"
564	4.06e-53	-2.45	ENSG00000132182	NUP210	chr3	-	13351954	13352112	"yes,JnId_h_55742;JnId_h_55743"
564	4.06e-53	-4.13	ENSG00000132182	NUP210	chr3	-	13332737	13334281	no
565	4.82e-53	-4.48	ENSG00000147231	CXorf57	chrX	+	105767646	105768291	yes,JnId_h_82082
565	4.82e-53	-5.48	ENSG00000147231	CXorf57	chrX	+	105808014	105809328	no
566	6.95e-53	-13.35	ENSG00000165672	PRDX3	chr10	-	120917205	120918035	no
567	8.12e-53	-3.21	ENSG00000130024	PHF10	chr6	-	169865866	169866026	no
568	9,00E-53	-3.17	ENSG00000124214	STAU1	chr20	-	47238060	47238311	no
568	9,00E-53	-4.09	ENSG00000124214	STAU1	chr20	-	47224139	47224213	no
568	9,00E-53	-2.36	ENSG00000124214	STAU1	chr20	-	47163285	47164837	no
569	2.61e-52	-2.44	ENSG00000182899	RPL35A	chr3	+	199167018	199167116	no
570	3,00E-52	-2.53	ENSG00000197102	DYNC1H1	chr14	+	101500737	101501037	no
570	3,00E-52	-2.32	ENSG00000197102	DYNC1H1	chr14	+	101516454	101516640	yes,JnId_h_25174
570	3,00E-52	-2.76	ENSG00000197102	DYNC1H1	chr14	+	101531076	101531186	yes,JnId_h_25184

570	3,00E-52	-3.87	ENSG00000197102	DYNC1H1	chr14	+	101586525	101586887	yes,JnId_h_25253
571	3.06e-52	-4.12	ENSG00000160214	RRP1	chr21	+	44047821	44049585	yes,JnId_h_52775
572	3.38e-52	-3.55	ENSG00000183431	SF3A3	chr1	-	38228129	38229180	no
572	3.38e-52	-2.82	ENSG00000183431	SF3A3	chr1	-	38195234	38196522	no
573	4.33e-52	-2.74	ENSG00000164615	CAMLG	chr5	+	134114348	134115740	no
574	6.07e-52	-2.58	ENSG00000131747	no_name	chr17	-	35822969	35823070	"yes,JnId_h_34889;JnId_h_34912"
574	6.07e-52	-6.24	ENSG00000131747	no_name	chr17	-	35798321	35799425	no
575	6.17e-52	-3.25	ENSG00000112658	SRF	chr6	+	43246898	43247885	no
575	6.17e-52	-3.59	ENSG00000112658	SRF	chr6	+	43254811	43257219	no
576	7.22e-52	-9.8	ENSG00000087263	OGFOD1	chr16	+	55067457	55070513	no
577	7.87e-52	-2.93	ENSG00000144895	EIF2A	chr3	+	151752833	151752902	no
577	7.87e-52	-2.02	ENSG00000144895	EIF2A	chr3	+	151783677	151783742	yes,JnId_h_59584
577	7.87e-52	-7.09	ENSG00000144895	EIF2A	chr3	+	151784323	151784717	no
578	8.21e-52	-9.38	ENSG00000175063	UBE2C	chr20	+	43874662	43875510	yes,JnId_h_51430
578	8.21e-52	-9.43	ENSG00000175063	UBE2C	chr20	+	43878755	43879003	no
579	8.85e-52	-2.74	ENSG00000167468	GPX4	chr19	+	1054936	1055126	yes,JnId_h_39322
580	9.25e-52	-2.85	ENSG00000123213	NLN	chr5	+	65154365	65160867	no
581	1.94e-51	-3.25	ENSG00000169750	RAC3	chr17	+	77582821	77582961	no
582	2.26e-51	-2.09	ENSG00000116120	FARSB	chr2	-	223172891	223173046	yes,JnId_h_49338
582	2.26e-51	-4.33	ENSG00000116120	FARSB	chr2	-	223143506	223144985	no
583	2.27e-51	-3.9	ENSG00000197386	HD	chr4	+	3046206	3046613	no
583	2.27e-51	-2.17	ENSG00000197386	HD	chr4	+	3146471	3146632	no
583	2.27e-51	-3.14	ENSG00000197386	HD	chr4	+	3211371	3215484	no
584	2.55e-51	-4.2	ENSG00000183337	BCOR	chrX	-	39841412	39841602	no
584	2.55e-51	-3.6	ENSG00000183337	BCOR	chrX	-	39795443	39796597	no
585	2.66e-51	-3.92	ENSG00000197157	SND1	chr7	+	127514226	127514339	no
585	2.66e-51	-2.87	ENSG00000197157	SND1	chr7	+	127519125	127519169	no
585	2.66e-51	-7.4	ENSG00000197157	SND1	chr7	+	127519281	127519894	no
586	2.78e-51	-7.2	ENSG00000117054	ACADM	chr1	+	75962624	75963090	yes,JnId_h_3892
586	2.78e-51	-11.73	ENSG00000117054	ACADM	chr1	+	76000965	76001952	no
587	4.45e-51	-6.21	ENSG00000143624	INTS3	chr1	+	152005575	152006927	no
587	4.45e-51	-4.14	ENSG00000143624	INTS3	chr1	+	152011440	152011811	no
588	5.41e-51	-3.22	ENSG00000164828	UNC84A	chr7	+	855683	856930	"yes,JnId_h_70810;JnId_h_70814;JnId_h_70816"
589	6.25e-51	-3.78	ENSG00000073111	MCM2	chr3	+	128799943	128800005	no
589	6.25e-51	-5.59	ENSG00000073111	MCM2	chr3	+	128823196	128823964	yes,JnId_h_58883
590	7.95e-51	-2.3	ENSG00000124789	NUP153	chr6	-	17754277	17754364	no
590	7.95e-51	-6.42	ENSG00000124789	NUP153	chr6	-	17723248	17724391	no
591	9.88e-51	-5.48	ENSG00000090266	NDUFB2	chr7	+	140067821	140069059	no
592	1.10e-50	-2.29	ENSG00000115839	RAB3GAP1	chr2	+	135565038	135565170	no
592	1.10e-50	-8.85	ENSG00000115839	RAB3GAP1	chr2	+	135635537	135636691	no
592	1.10e-50	-2.18	ENSG00000115839	RAB3GAP1	chr2	+	135636788	135636891	no
592	1.10e-50	-4.83	ENSG00000115839	RAB3GAP1	chr2	+	135642585	135644327	no
593	1.26e-50	-5.18	ENSG00000074356	C17orf85	chr17	-	3673836	3675093	no
593	1.26e-50	-2.17	ENSG00000074356	C17orf85	chr17	-	3661571	3663322	no
594	1.32e-50	-5.33	ENSG00000147649	MTDH	chr8	+	98806004	98807711	no
595	1.50e-50	-2.15	ENSG00000154122	ANKH	chr5	-	14924461	14924887	no
595	1.50e-50	-3.51	ENSG00000154122	ANKH	chr5	-	14757913	14764419	no
596	1.63e-50	-3.97	ENSG00000067533	RRP15	chr1	+	216570913	216577948	no
597	2.02e-50	-4.36	ENSG00000100280	AP1B1	chr22	-	28114413	28114569	no
597	2.02e-50	-5.37	ENSG00000100280	AP1B1	chr22	-	28053669	28054884	no
598	2.65e-50	-5.54	ENSG00000185057	TAF9	chr5	-	68682567	68683836	no
599	2.66e-50	-3.31	ENSG00000108588	CCDC47	chr17	-	59183032	59183199	no
599	2.66e-50	-11.85	ENSG00000108588	CCDC47	chr17	-	59176343	59178053	no
600	2.74e-50	-4.14	ENSG00000114739	ACVR2B	chr3	+	38489941	38493989	no
601	3.39e-50	-4.39	ENSG00000136754	ABI1	chr10	-	27075528	27077680	no
602	4.39e-50	-4.32	ENSG00000177030	DEAF1	chr11	-	684755	685740	no
603	4.83e-50	-4.05	ENSG00000126457	PRMT1	chr19	+	54874941	54874998	"yes,JnId_h_43576;JnId_h_43578;JnId_h_43579"
603	4.83e-50	-7.41	ENSG00000126457	PRMT1	chr19	+	54875208	54875322	"yes,JnId_h_43576;JnId_h_43578"
603	4.83e-50	-3.22	ENSG00000126457	PRMT1	chr19	+	54883231	54883516	no
604	4.97e-50	-3.99	ENSG00000166803	KIAA0101	chr15	-	62444266	62445327	yes,JnId_h_26850
605	5.59e-50	-11.92	ENSG00000160783	BGLAP	chr1	+	154479448	154479747	no
606	7.67e-50	-2.86	ENSG00000141367	CLTC	chr17	+	55105790	55105915	no
606	7.67e-50	-3.77	ENSG00000141367	CLTC	chr17	+	55125871	55127254	no
607	9.04e-50	-3.03	ENSG00000078304	PPP2R5C	chr14	+	101448491	101448692	yes,JnId_h_25171

607	9.04e-50	-2.79	ENSG00000078304	PPP2R5C	chr14	+	101461231	101463828	yes,JnId_b_19907
608	1.16e-49	-3.85	ENSG00000141756	FKBP10	chr17	+	37229619	37229801	"yes,JnId_h_34955;JnId_h_34956"
609	1.35e-49	-3.44	ENSG00000166037	CEP57	chr11	+	95163290	95163555	no
609	1.35e-49	-2.68	ENSG00000166037	CEP57	chr11	+	95194683	95194790	no
609	1.35e-49	-10.23	ENSG00000166037	CEP57	chr11	+	95203838	95205502	no
610	1.37e-49	-4.47	ENSG00000165609	NUDT5	chr10	-	12252237	12252913	no
611	1.60e-49	-3.18	ENSG00000064489	MEF2B	chr19	-	19150660	19152570	"yes,JnId_b_33338;JnId_b_33346"
612	2.52e-49	-4.14	ENSG00000168003	SLC3A2	chr11	+	62380094	62380429	yes,JnId_h_13956
612	2.52e-49	-3.6	ENSG00000168003	SLC3A2	chr11	+	62394793	62394885	yes,JnId_h_13956
612	2.52e-49	-4.69	ENSG00000168003	SLC3A2	chr11	+	62400832	62400927	"yes,JnId_h_13959;JnId_h_13960"
613	2.58e-49	-7.98	ENSG00000197006	METTL9	chr16	+	21574049	21576292	no
614	4.49e-49	-3.7	ENSG00000130826	DKC1	chrX	+	153644229	153644450	no
614	4.49e-49	-2.1	ENSG00000130826	DKC1	chrX	+	153646913	153646999	no
614	4.49e-49	-3.11	ENSG00000130826	DKC1	chrX	+	153658268	153659158	no
615	4.79e-49	-2.71	ENSG00000010810	FYN	chr6	-	112300864	112301348	yes,JnId_b_55860
615	4.79e-49	-5.15	ENSG00000010810	FYN	chr6	-	112127411	112127566	yes,JnId_h_69667
615	4.79e-49	-2.97	ENSG00000010810	FYN	chr6	-	112088228	112089843	no
616	4.85e-49	-6.52	ENSG00000112118	MCM3	chr6	-	52237992	52238142	yes,JnId_h_68688
617	8.51e-49	-2.28	ENSG00000178952	TUFM	chr16	-	28765040	28765144	no
617	8.51e-49	-2.58	ENSG00000178952	TUFM	chr16	-	28761615	28761970	no
617	8.51e-49	-2.84	ENSG00000167004	PDIA3	chr15	+	41850595	41851035	no
619	1.17e-48	-5.51	ENSG00000182979	MTA1	chr14	+	105007447	105008050	no
619	1.17e-48	-3.74	ENSG00000151725	MLF1IP	chr4	-	185892164	185892571	no
619	1.17e-48	-2.28	ENSG00000151725	MLF1IP	chr4	-	185852229	185853549	no
621	1.23e-48	-2.67	ENSG00000119969	HELLS	chr10	+	96351275	96351846	no
621	1.23e-48	-4.13	ENSG00000119969	HELLS	chr10	+	96359600	96363652	no
622	1.31e-48	-2.09	ENSG00000134294	SLC38A2	chr12	-	45038239	45041259	no
623	1.36e-48	-8.46	ENSG00000107164	FUBP3	chr9	+	132444799	132444972	no
623	1.36e-48	-7.26	ENSG00000107164	FUBP3	chr9	+	132502222	132503560	no
624	1.39e-48	-3.18	ENSG00000157216	SSBP3	chr1	-	54644214	54644680	no
624	1.39e-48	-2.39	ENSG00000116678	LEPR	chr1	+	65871423	65873699	no
626	2.89e-48	-4.84	ENSG00000116260	QSOX1	chr1	+	178432020	178439788	no
627	3.52e-48	-11.8	ENSG00000099904	ZDHHC8	chr22	+	18499364	18499574	no
627	3.52e-48	-2.48	ENSG00000099904	ZDHHC8	chr22	+	18508394	18508535	no
627	3.52e-48	-5.94	ENSG00000099904	ZDHHC8	chr22	+	18512752	18513958	no
628	4.05e-48	-4.35	ENSG00000170759	KIF5B	chr10	-	32368261	32368365	yes,JnId_b_6866
628	4.05e-48	-2.64	ENSG00000170759	KIF5B	chr10	-	32366188	32366312	yes,JnId_b_6866
628	4.05e-48	-6.03	ENSG00000170759	KIF5B	chr10	-	32337944	32340450	no
629	4.07e-48	-2.34	ENSG00000117906	RCN2	chr15	+	75011174	75011381	no
629	4.07e-48	-3.78	ENSG00000117906	RCN2	chr15	+	75028466	75029349	no
630	4.18e-48	-3.7	ENSG00000155506	LARP1	chr5	+	154115082	154115946	no
631	4.18e-48	-3.18	ENSG00000149485	FADS1	chr11	-	61397575	61397913	no
632	4.74e-48	-4.95	ENSG00000175166	PSMD2	chr3	+	185499189	185499883	no
632	4.74e-48	-2	ENSG00000175166	PSMD2	chr3	+	185508931	185509049	no
632	4.74e-48	-2.91	ENSG00000175166	PSMD2	chr3	+	185509190	185509531	no
633	4.99e-48	-2.26	ENSG00000109917	ZNF259	chr11	-	116163746	116163976	no
633	4.99e-48	-2.77	ENSG00000109917	ZNF259	chr11	-	116153646	116154985	no
634	5.3e-48	-2.99	ENSG00000101182	PSMA7	chr20	-	60145186	60145400	no
635	6.83e-48	-2.72	ENSG00000075142	SRI	chr7	-	87675758	87675816	no
635	6.83e-48	-8.97	ENSG00000075142	SRI	chr7	-	87672371	87673755	no
636	8.3e-48	-3.41	ENSG00000065000	AP3D1	chr19	-	2102238	2102554	no
636	8.3e-48	-3.16	ENSG00000065000	AP3D1	chr19	-	2064335	2064412	yes,JnId_h_39532
636	8.3e-48	-4.15	ENSG00000065000	AP3D1	chr19	-	2063859	2063930	yes,JnId_h_39532
637	1.03e-47	-3.34	ENSG00000115419	GLS	chr2	+	191535801	191538517	no
638	1.09e-47	-2.76	ENSG00000132485	ZRANB2	chr1	-	71319211	71319568	no
639	1.15e-47	-5.87	ENSG00000126261	SAE2	chr19	+	39611108	39611315	no
639	1.15e-47	-4.46	ENSG00000126261	SAE2	chr19	+	39637189	39637301	no
639	1.15e-47	-9.06	ENSG00000126261	SAE2	chr19	+	39651785	39652635	no
640	1.24e-47	-3.67	ENSG00000104904	OAZ1	chr19	+	2220520	2220743	"yes,JnId_b_31279;JnId_b_31280"
640	1.24e-47	-9.67	ENSG00000104904	OAZ1	chr19	+	2223971	2224487	no
641	1.35e-47	-9.72	ENSG00000110651	CD81	chr11	+	2355096	2355421	no
641	1.35e-47	-4.31	ENSG00000110651	CD81	chr11	+	2374610	2375225	no
642	1.50e-47	-4.44	ENSG00000141959	PFKL	chr21	+	44544358	44544501	no
642	1.50e-47	-2.4	ENSG00000141959	PFKL	chr21	+	44557949	44557993	yes,JnId_b_42460

642	1.50e-47	-4.52	ENSG00000141959	PFKL	chr21	+	44571026	44571681	no
643	1.61e-47	-5.17	ENSG00000101220	C20orf27	chr20	-	3696310	3697034	no
644	2.05e-47	-3.99	ENSG00000197043	ANXA6	chr5	-	150460461	150461261	no
645	2.30e-47	-2.95	ENSG00000092203	TOX4	chr14	+	21033228	21033391	no
645	2.30e-47	-8.72	ENSG00000092203	TOX4	chr14	+	21034544	21036880	no
646	3.31e-47	-3.45	ENSG00000132635	FAM113A	chr20	-	2763967	2764355	no
647	3.46e-47	-3.6	ENSG00000180198	RCC1	chr1	+	28715824	28715966	no
647	3.46e-47	-6.03	ENSG00000180198	RCC1	chr1	+	28717235	28717407	yes,JnId_h_1785
647	3.46e-47	-4.09	ENSG00000180198	RCC1	chr1	+	28729622	28729714	yes,JnId_h_1788
648	4.24e-47	-2.18	ENSG00000023228	NDUFS1	chr2	-	206699679	206699813	yes,JnId_b_39250
648	4.24e-47	-5.07	ENSG00000023228	NDUFS1	chr2	-	206695783	206697245	no
649	4.24e-47	-5.78	ENSG00000151503	NCAPD3	chr11	-	133598967	133599636	no
649	4.24e-47	-4.43	ENSG00000151503	NCAPD3	chr11	-	133527547	133528157	yes,JnId_b_12790
650	4.62e-47	-8.8	ENSG00000160216	AGPAT3	chr21	+	44209238	44212424	yes,JnId_h_52777
651	5.36e-47	-3.03	ENSG00000044115	CTNNA1	chr5	+	138297390	138298619	no
651	5.36e-47	-2.07	ENSG00000131507	NDFIP1	chr5	+	141511480	141513222	no
653	5.78e-47	-2.6	ENSG00000163539	CLASP2	chr3	-	33734304	33734852	no
653	5.78e-47	-4.13	ENSG00000163539	CLASP2	chr3	-	33512745	33515213	no
654	8.13e-47	-2.07	ENSG00000083454	P2RX5	chr17	-	3518531	3518725	no
655	9.25e-47	-3.72	ENSG00000139428	MMAB	chr12	-	108477662	108479324	no
656	9.75e-47	-3.28	ENSG00000065613	SLK	chr10	+	105775322	105778981	no
657	1.44e-46	-2.94	ENSG00000077942	FBLN1	chr22	+	44277383	44277608	no
657	1.44e-46	-2.3	ENSG00000077942	FBLN1	chr22	+	44349055	44349197	no
657	1.44e-46	-6.5	ENSG00000077942	FBLN1	chr22	+	44374851	44375678	no
658	1.47e-46	-6.91	ENSG00000106588	PSMA2	chr7	-	42922989	42923814	no
659	1.56e-46	-5.71	ENSG00000163156	SCNM1	chr1	+	149408086	149409397	no
660	1.82e-46	-5.32	ENSG00000057252	SOAT1	chr1	+	177589343	177594438	no
661	1.94e-46	-3.89	ENSG00000100528	CNIH	chr14	-	53963397	53964309	no
662	2.04e-46	-3.34	ENSG00000101191	DIDO1	chr20	-	60998030	60998189	no
662	2.04e-46	-2.35	ENSG00000101191	DIDO1	chr20	-	60979535	60984211	no
663	2.34e-46	-3.23	ENSG00000143793	Clorf35	chr1	-	226357458	226359735	no
664	2.93e-46	-3.38	ENSG00000103769	RAB11A	chr15	+	63948850	63949017	no
664	2.93e-46	-8.19	ENSG00000103769	RAB11A	chr15	+	63967093	63968846	no
665	3.08e-46	-2.27	ENSG00000136240	KDELR2	chr7	-	6467933	6469331	no
666	3.71e-46	-3.19	ENSG00000136888	ATP6V1G1	chr9	+	116399671	116400938	no
667	4.09e-46	-2.08	ENSG00000089280	FUS	chr16	+	31109564	31109664	"yes,JnId_b_24192;JnId_b_24193"
667	4.09e-46	-3.88	ENSG00000089280	FUS	chr16	+	31109785	31109932	yes,JnId_b_24194
667	4.09e-46	-11.46	ENSG00000089280	FUS	chr16	+	31110221	31110598	no
668	4.4e-46	-2.76	ENSG00000047634	SCML1	chrX	+	17672112	17672260	yes,JnId_h_80571
669	7.22e-46	-2.27	ENSG00000117450	PRDX1	chr1	-	45759868	45760215	"yes,JnId_b_2378;JnId_b_2379"
669	7.22e-46	-2.38	ENSG00000117450	PRDX1	chr1	-	45749295	45749673	no
670	8.05e-46	-2.88	ENSG00000185619	PCGF3	chr4	+	749820	754428	no
671	1.07e-45	-2.97	ENSG00000175756	AURKAIP1	chr1	-	1299948	1300738	"yes,JnId_h_162;JnId_h_163;JnId_h_163"
672	1.09e-45	-2.79	ENSG00000147099	HDAC8	chrX	-	71609991	71611304	yes,JnId_h_81772
673	1.19e-45	-2.49	ENSG00000074800	ENO1	chr1	-	8857470	8857563	no
673	1.19e-45	-6.11	ENSG00000074800	ENO1	chr1	-	8843648	8844075	no
674	1.44e-45	-3.22	ENSG00000106263	EIF3S9	chr7	+	2386365	2386904	yes,JnId_h_70956
675	2.1e-45	-2.35	ENSG00000198911	SREBF2	chr22	+	40623002	40623111	no
675	2.1e-45	-6.47	ENSG00000198911	SREBF2	chr22	+	40631390	40633254	no
676	2.47e-45	-11.22	ENSG00000087191	PSMC5	chr17	+	59258519	59259015	no
676	2.47e-45	-4.43	ENSG00000087191	PSMC5	chr17	+	59262598	59262708	yes,JnId_b_29004
676	2.47e-45	-6.74	ENSG00000087191	PSMC5	chr17	+	59262816	59262902	yes,JnId_b_29009
677	3.01e-45	-5.43	ENSG00000114391	RPL24	chr3	-	102882626	102882749	no
678	3.31e-45	-8.63	ENSG00000143570	SLC39A1	chr1	-	152201629	152202575	no
679	3.87e-45	-2.57	ENSG00000175455	CCDC14	chr3	-	125154132	125158620	"yes,JnId_h_58757;JnId_h_58758;JnId_h_58758;JnId_h_58759;JnId_h_58759;JnId_h_58756"
680	4.28e-45	-2.2	ENSG00000143514	TP53BP2	chr1	-	222099979	222100297	no
680	4.28e-45	-2.96	ENSG00000143514	TP53BP2	chr1	-	222034224	222035219	no
681	5.53e-45	-5.08	ENSG00000146963	LUC7L2	chr7	+	138709687	138709757	yes,JnId_h_73728
681	5.53e-45	-2.71	ENSG00000146963	LUC7L2	chr7	+	138757449	138758738	no
682	5.54e-45	-8.49	ENSG00000102606	ARHGEF7	chr13	+	110565783	110566039	no
682	5.54e-45	-3	ENSG00000102606	ARHGEF7	chr13	+	110660220	110660350	yes,JnId_h_22579
682	5.54e-45	-3.51	ENSG00000102606	ARHGEF7	chr13	+	110724162	110724300	no
682	5.54e-45	-3.67	ENSG00000102606	ARHGEF7	chr13	+	110753339	110756081	no
683	6.21e-45	-19.55	ENSG00000127540	UQCR	chr19	-	1548180	1549214	no

717	8.43e-43	-4.72	ENSG00000123575	CXorf39	chrX	+	103320945	103327239	no
718	8.95e-43	-4.22	ENSG00000131051	RBM39	chr20	-	33754946	33755917	no
719	1.39e-42	-6.65	ENSG00000165669	C10orf84	chr10	-	120055391	120060410	no
720	1.66e-42	-5.84	ENSG00000164880	Q6ZRB0	chr7	-	1488440	1490015	"yes,JnId_h_70879;JnId_h_70881;JnId_h_70882"
720	1.66e-42	-2.2	ENSG00000164880	Q6ZRB0	chr7	-	1479234	1479346	yes,JnId_h_70863
720	1.66e-42	-2.63	ENSG00000164880	Q6ZRB0	chr7	-	1478435	1478548	yes,JnId_h_70863
720	1.66e-42	-2.88	ENSG00000164880	Q6ZRB0	chr7	-	1477008	1477117	no
720	1.66e-42	-5.5	ENSG00000164880	Q6ZRB0	chr7	-	1476439	1476854	no
721	2.43e-42	-15.2	ENSG00000169727	GPS1	chr17	+	77603424	77603624	yes,JnId_h_37762
721	2.43e-42	-6.98	ENSG00000169727	GPS1	chr17	+	77608334	77608618	no
722	2.44e-42	-2.35	ENSG00000130821	SLC6A8	chrX	+	152606748	152607485	no
722	2.44e-42	-4.59	ENSG00000130821	SLC6A8	chrX	+	152610894	152611679	yes,JnId_h_82899
722	2.44e-42	-2.15	ENSG00000130821	SLC6A8	chrX	+	152612554	152612741	no
723	2.55e-42	-2.2	ENSG00000015475	BID	chr22	-	16600783	16600995	no
723	2.55e-42	-26.01	ENSG00000015475	BID	chr22	-	16596908	16598357	no
724	2.86e-42	-136.75	ENSG00000146109	ABT1	chr6	+	26706472	26708257	no
725	3.39e-42	-4.6	ENSG00000166226	CC2	chr12	+	68281342	68281624	yes,JnId_h_19040
726	3.45e-42	-2.06	ENSG00000143797	MBOAT2	chr2	-	9061120	9061393	no
726	3.45e-42	-2.71	ENSG00000143797	MBOAT2	chr2	-	8910271	8916485	no
727	3.5e-42	-2.45	ENSG00000076554	TPD52	chr8	-	81109662	81113025	no
728	3.64e-42	-3.14	ENSG00000066136	NFYC	chr1	+	41008656	41009864	yes,JnId_h_2551
729	3.72e-42	-7.91	ENSG00000164402	8-Sep	chr5	-	132140699	132141012	no
729	3.72e-42	-4.03	ENSG00000164402	8-Sep	chr5	-	132119596	132122598	no
730	4.27e-42	-2.25	ENSG00000008952	TLOC1	chr3	+	171193076	171198855	no
731	4.81e-42	-2.59	ENSG00000170606	HSPA4	chr5	+	132463136	132463243	no
731	4.81e-42	-4.86	ENSG00000170606	HSPA4	chr5	+	132467824	132468608	no
732	5.36e-42	-2.49	ENSG00000113575	PPP2CA	chr5	-	133560047	133561434	no
733	6.05e-42	-3.18	ENSG00000143815	LBR	chr1	-	223682279	223682360	no
733	6.05e-42	-3.75	ENSG00000143815	LBR	chr1	-	223655827	223657788	no
734	7.02e-42	-5.61	ENSG00000135655	USP15	chr12	+	61015214	61016730	"yes,JnId_h_18841;JnId_h_18842"
734	7.02e-42	-5.33	ENSG00000135655	USP15	chr12	+	61084240	61086165	no
735	7.18e-42	-2.22	ENSG00000085063	CD59	chr11	-	33681134	33688465	no
736	1.04e-41	-2.38	ENSG00000131828	PDHA1	chrX	+	19281121	19281366	yes,JnId_h_80622
736	1.04e-41	-2.4	ENSG00000131828	PDHA1	chrX	+	19283621	19283796	no
736	1.04e-41	-4.21	ENSG00000131828	PDHA1	chrX	+	19287528	19289724	no
737	1.30e-41	-3.29	ENSG00000117868	FAM62B	chr7	-	158314541	158315014	no
737	1.30e-41	-3.12	ENSG00000117868	FAM62B	chr7	-	158216450	158219704	no
738	1.56e-41	-6.27	ENSG00000112249	ASCC3	chr6	-	101410900	101413799	yes,JnId_h_69478
739	1.58e-41	-4.49	ENSG0000012174	MBTPS2	chrX	+	21797537	21801123	no
740	1.59e-41	-3.18	ENSG00000167005	NUDT21	chr16	-	55020550	55024169	no
741	1.82e-41	-2.09	ENSG00000134371	CDC73	chr1	+	191485483	191485624	no
741	1.82e-41	-7.93	ENSG00000134371	CDC73	chr1	+	191486429	191489654	no
742	2.04e-41	-5.1	ENSG00000103365	GGA2	chr16	-	23429143	23429309	no
742	2.04e-41	-3.67	ENSG00000103365	GGA2	chr16	-	23383145	23386522	no
743	2.21e-41	-4.98	ENSG00000156642	NPTN	chr15	-	71639418	71640442	yes,JnId_h_27308
744	2.36e-41	-2.95	ENSG00000090686	USP48	chr1	-	21981904	21982686	no
744	2.36e-41	-2.43	ENSG00000090686	USP48	chr1	-	21926931	21927799	no
744	2.36e-41	-2.77	ENSG00000090686	USP48	chr1	-	21922978	21924199	no
744	2.36e-41	-2.19	ENSG00000090686	USP48	chr1	-	21894146	21894301	no
744	2.36e-41	-5.35	ENSG00000090686	USP48	chr1	-	21877659	21878519	no
745	3.49e-41	-2.84	ENSG00000132463	GRSF1	chr4	-	71904114	71905442	no
746	3.97e-41	-3.35	ENSG00000186480	INSIG1	chr7	+	154726470	154726540	yes,JnId_h_74170
747	4.17e-41	-10.34	ENSG00000105723	GSK3A	chr19	-	47438175	47438591	no
747	4.17e-41	-4.48	ENSG00000105723	GSK3A	chr19	-	47426186	47426859	yes,JnId_b_34393
748	4.49e-41	-2.69	ENSG00000055917	PUM2	chr2	-	20311933	20314958	no
749	4.51e-41	-4.65	ENSG00000086232	EIF2AK1	chr7	-	6065123	6065311	no
749	4.51e-41	-2.56	ENSG00000086232	EIF2AK1	chr7	-	6053149	6053248	no
749	4.51e-41	-3.28	ENSG00000086232	EIF2AK1	chr7	-	6028406	6030958	yes,JnId_b_56784
750	4.51e-41	-3.52	ENSG00000144749	LRIG1	chr3	-	66633304	66634125	yes,JnId_b_46556
750	4.51e-41	-4.29	ENSG00000144749	LRIG1	chr3	-	66511912	66513603	no
751	4.66e-41	-4.47	ENSG00000196591	HDAC2	chr6	-	114368571	114368945	no
752	4.92e-41	-14.19	ENSG00000165716	FAM69B	chr9	+	138735158	138736301	no
753	5.27e-41	-4.28	ENSG00000094804	CDC6	chr17	+	35711690	35712939	no
754	6.46e-41	-2.07	ENSG00000152234	ATP5A1	chr18	-	41920077	41920221	no

754	6.46e-41	-4.41	ENSG00000152234	ATP5A1	chr18	-	41918468	41918618	no
754	6.46e-41	-8.4	ENSG00000152234	ATP5A1	chr18	-	41918108	41918327	no
755	6.94e-41	-3.23	ENSG00000137285	TUBB2B	chr6	-	3169516	3171044	no
756	7.55e-41	-2.71	ENSG00000143324	XPR1	chr1	+	179119765	179126010	no
757	8.67e-41	-2.3	ENSG00000092098	ISGF3G	chr14	+	23699569	23700387	no
757	8.67e-41	-2.19	ENSG00000092098	ISGF3G	chr14	+	23701193	23701373	no
757	8.67e-41	-2.23	ENSG00000092098	ISGF3G	chr14	+	23702015	23702198	no
757	8.67e-41	-2.83	ENSG00000092098	ISGF3G	chr14	+	23703663	23704004	no
757	8.67e-41	-4.02	ENSG00000092098	ISGF3G	chr14	+	23705171	23706451	no
758	9.03e-41	-2.2	ENSG00000198546	ZNF511	chr10	+	134971969	134972590	no
759	9.08e-41	-5.56	ENSG00000175792	RUVBL1	chr3	-	129284016	129284107	no
759	9.08e-41	-12.28	ENSG00000175792	RUVBL1	chr3	-	129282493	129282942	no
760	9.58e-41	-3.31	ENSG00000119414	PPP6C	chr9	-	126948673	126952021	no
761	9.85e-41	-26.71	ENSG00000147274	RBMX	chrX	-	135783286	135784277	yes,JnId_h_82748
762	1.04e-40	-4.28	ENSG00000150527	CTAGE5	chr14	+	38889053	38890333	no
763	1.09e-40	-4.54	ENSG00000110911	SLC11A2	chr12	-	49666044	49668485	no
763	1.09e-40	-5.62	ENSG00000110911	SLC11A2	chr12	-	49659585	49661853	no
764	1.57e-40	-2.06	ENSG00000174851	YIF1A	chr11	-	65811188	65811735	no
765	1.93e-40	-3.7	ENSG00000117133	BXDC5	chr1	+	84721186	84721601	yes,JnId_h_4026
765	1.93e-40	-5.92	ENSG00000117133	BXDC5	chr1	+	84735700	84736061	no
766	1.98e-40	-2.53	ENSG00000136436	CALCOCO2	chr17	+	44263371	44263439	no
766	1.98e-40	-5.36	ENSG00000136436	CALCOCO2	chr17	+	44295199	44297227	no
767	2.18e-40	-3.82	ENSG00000170242	USP47	chr11	+	11819546	11820347	no
767	2.18e-40	-3.71	ENSG00000170242	USP47	chr11	+	11934124	11937448	no
768	2.45e-40	-2.73	ENSG00000171634	BPTF	chr17	+	63408830	63410954	no
769	2.67e-40	-2.59	ENSG00000091436	MLTK_HUMAN	chr2	+	173794124	173800117	no
769	2.67e-40	-2.87	ENSG00000091436	MLTK_HUMAN	chr2	+	173839024	173840986	no
770	3.04e-40	-2.81	ENSG00000005007	UPF1	chr19	+	18803747	18804249	no
770	3.04e-40	-3.88	ENSG00000005007	UPF1	chr19	+	18838330	18840038	no
771	3.24e-40	-8.18	ENSG00000100722	ZC3H14	chr14	+	88147842	88149605	no
772	4.04e-40	-2.83	ENSG00000116750	UCHL5	chr1	-	191295386	191295751	no
772	4.04e-40	-3.05	ENSG00000116750	UCHL5	chr1	-	191254158	191254573	no
773	4.33e-40	-2.71	ENSG00000104852	SNRP70	chr19	+	54280277	54280705	no
774	4.43e-40	-2.2	ENSG00000198561	CTNND1	chr11	+	57285845	57286167	no
775	5.00E-40	-2.6	ENSG00000051108	HERPUD1	chr16	+	55534539	55535294	no
776	5.22e-40	-2.25	ENSG00000189091	SF3B3	chr16	+	69115241	69115332	no
776	5.22e-40	-2.13	ENSG00000189091	SF3B3	chr16	+	69163077	69163921	no
777	6.19e-40	-4.76	ENSG00000138078	PREPL	chr2	-	44440140	44441317	"yes,JnId_h_45525;JnId_h_45526;JnId_h_45524"
778	6.2e-40	-2.15	ENSG00000143013	LMO4	chr1	+	87583059	87585376	no
779	6.46e-40	-2.39	ENSG00000172046	USP19	chr3	-	49129874	49130007	yes,JnId_h_57070
779	6.46e-40	-8.43	ENSG00000172046	USP19	chr3	-	49121112	49121622	yes,JnId_h_57047
779	6.46e-40	-3.11	ENSG00000172046	USP19	chr3	-	49120568	49120965	no
780	7.01e-40	-2.85	ENSG00000105223	PLD3	chr19	+	45546425	45546515	no
780	7.01e-40	-3.32	ENSG00000105223	PLD3	chr19	+	45575733	45576222	no
781	8.35e-40	-2.17	ENSG00000134769	DTNA	chr18	+	30327279	30327476	no
781	8.35e-40	-3.96	ENSG00000134769	DTNA	chr18	+	30721728	30725341	no
782	1.58e-39	-3.39	ENSG00000068697	LAPTM4A	chr2	-	20095892	20096521	no
783	1.85e-39	-2.44	ENSG00000135829	DHX9	chr1	+	181122841	181123510	no
784	1.86e-39	-4.63	ENSG00000170348	TMED10	chr14	-	74667926	74671462	no
785	2.04e-39	-8.19	ENSG00000071553	ATP6AP1	chrX	+	153310178	153310393	no
785	2.04e-39	-7.56	ENSG00000071553	ATP6AP1	chrX	+	153317222	153318056	no
786	2.05e-39	-3.8	ENSG00000079459	FDFT1	chr8	+	11697573	11697849	"yes,JnId_h_74403;JnId_h_74404"
786	2.05e-39	-5.28	ENSG00000079459	FDFT1	chr8	+	11733306	11734227	no
787	2.08e-39	-7.85	ENSG00000071127	WDR1	chr4	-	9727373	9727671	no
787	2.08e-39	-6.21	ENSG00000071127	WDR1	chr4	-	9685062	9686206	no
788	2.39e-39	-6.21	ENSG00000185838	GNB1L	chr22	-	18150747	18156483	no
789	2.61e-39	-2.48	ENSG00000112146	FBXO9	chr6	+	53070479	53072360	no
790	2.83e-39	-4.18	ENSG00000033050	ABCF2	chr7	-	150555182	150555250	no
790	2.83e-39	-3.24	ENSG00000033050	ABCF2	chr7	-	150540510	150542210	no
791	3.24e-39	-2.11	ENSG00000100462	PRMT5	chr14	-	22459579	22460105	no
792	4.74e-39	-6.39	ENSG00000135404	CD63	chr12	-	54409333	54409711	no
793	5.2e-39	-3.61	ENSG00000163875	Clorf149	chr1	-	37751611	37752457	no
793	5.2e-39	-2.09	ENSG00000163875	Clorf149	chr1	-	37730763	37732295	no
794	1.17e-38	-2.17	ENSG00000113712	CSNK1A1	chr5	-	148855038	148856616	no

795	1.45e-38	-2.27	ENSG00000161013	MGAT4B	chr5	-	179166093	179166434	no
795	1.45e-38	-3.7	ENSG00000161013	MGAT4B	chr5	-	179161390	179162481	no
795	1.45e-38	-3.22	ENSG00000161013	MGAT4B	chr5	-	179157216	179157674	no
796	1.48e-38	-9.04	ENSG00000164062	APEH	chr3	+	49686439	49686850	yes,JnId_h_57137
796	1.48e-38	-2.68	ENSG00000164062	APEH	chr3	+	49695674	49695935	no
797	1.59e-38	-5.76	ENSG00000059573	ALDH18A1	chr10	-	97406344	97406557	yes,JnId_h_10617
797	1.59e-38	-2.59	ENSG00000059573	ALDH18A1	chr10	-	97386840	97386944	yes,JnId_h_10602
797	1.59e-38	-6.07	ENSG00000059573	ALDH18A1	chr10	-	97355677	97356690	yes,JnId_h_10600
798	1.75e-38	-2.62	ENSG00000006652	IFRD1	chr7	+	111889292	111889470	no
798	1.75e-38	-2.11	ENSG00000006652	IFRD1	chr7	+	111899510	111899638	no
798	1.75e-38	-3.14	ENSG00000006652	IFRD1	chr7	+	111900057	111900152	no
798	1.75e-38	-7.7	ENSG00000006652	IFRD1	chr7	+	111902721	111903480	no
799	1.78e-38	-3	ENSG00000128534	LSM8	chr7	+	117619202	117620114	no
799	1.78e-38	-2.16	ENSG00000204574	ABCF1	chr6	+	30647149	30647316	no
799	1.78e-38	-2.39	ENSG00000204574	ABCF1	chr6	+	30662397	30662467	no
799	1.78e-38	-4.33	ENSG00000204574	ABCF1	chr6	+	30666291	30667286	no
801	1.79e-38	-2.93	ENSG00000164683	HEY1	chr8	-	80838801	80839176	no
802	2.02e-38	-3.86	ENSG00000198171	C20orf116	chr20	-	3120158	3120467	no
802	2.02e-38	-3.29	ENSG00000198171	C20orf116	chr20	-	3118996	3119465	no
803	2.09e-38	-3.03	ENSG00000099385	BCL7C	chr16	-	30752874	30753970	no
804	2.69e-38	-4.02	ENSG00000163399	ATP1A1	chr1	+	116717359	116717668	no
804	2.69e-38	-2.34	ENSG00000163399	ATP1A1	chr1	+	116728159	116728269	no
804	2.69e-38	-3.5	ENSG00000163399	ATP1A1	chr1	+	116748561	116748917	no
805	2.83e-38	-2.53	ENSG00000064726	BTBD1	chr15	-	81476189	81477981	no
806	3.29e-38	-2.77	ENSG00000132676	DAP3	chr1	+	153974572	153975425	no
807	3.32e-38	-7.98	ENSG00000099783	HNRPM	chr19	+	8415651	8415995	no
807	3.32e-38	-5.69	ENSG00000099783	HNRPM	chr19	+	8459575	8459994	no
808	3.55e-38	-4.69	ENSG00000148730	EIF4EBP2	chr10	+	71851478	71858380	no
809	3.68e-38	-3.29	ENSG00000160014	Q96HY3	chr19	+	51796352	51796534	no
810	4.24e-38	-2.49	ENSG00000137831	UACA	chr15	-	68842723	68842904	no
810	4.24e-38	-5.87	ENSG00000137831	UACA	chr15	-	68733949	68736520	no
811	4.33e-38	-7.97	ENSG00000112237	CCNC	chr6	-	100096984	100098206	yes,JnId_h_69432
812	4.33e-38	-3.51	ENSG00000121073	SLC35B1	chr17	-	45140437	45140527	no
812	4.33e-38	-2.77	ENSG00000121073	SLC35B1	chr17	-	45140091	45140256	yes,JnId_h_35823
812	4.33e-38	-3.33	ENSG00000121073	SLC35B1	chr17	-	45138227	45138695	"yes,JnId_h_35818;JnId_h_35820"
812	4.33e-38	-6.93	ENSG00000121073	SLC35B1	chr17	-	45133339	45133871	no
813	4.47e-38	-2.04	ENSG00000170558	CDH2	chr18	-	23784934	23786321	no
814	4.55e-38	-2.7	ENSG00000134186	PRPF38B	chr1	+	109040885	109041649	yes,JnId_h_4457
815	6.52e-38	-3.24	ENSG00000088930	XRN2	chr20	+	21310632	21310695	no
815	6.52e-38	-6.57	ENSG00000088930	XRN2	chr20	+	21317911	21318463	no
816	6.92e-38	-6.17	ENSG00000133104	SPG20	chr13	-	35798060	35798835	no
816	6.92e-38	-5.61	ENSG00000133104	SPG20	chr13	-	35775162	35776769	no
817	7.68e-38	-3.24	ENSG00000143493	INTS7	chr1	-	210260087	210260233	no
817	7.68e-38	-4.82	ENSG00000143493	INTS7	chr1	-	210180364	210182076	no
818	8.23e-38	-3.64	ENSG00000188706	ZDHHC9	chrX	-	128764945	128768143	no
819	9.55e-38	-2.29	ENSG00000155096	AZIN1	chr8	-	103907712	103910082	no
820	1.18e-37	-3.99	ENSG00000141543	EIF4A3	chr17	-	75723614	75723900	no
821	1.30e-37	-2	ENSG00000073921	PICALM	chr11	-	85414982	85415057	no
821	1.30e-37	-2.63	ENSG00000073921	PICALM	chr11	-	85346134	85347751	yes,JnId_h_15426
822	1.55e-37	-3.28	ENSG00000172354	GNB2	chr7	+	100109311	100109482	no
822	1.55e-37	-2.59	ENSG00000172354	GNB2	chr7	+	100114254	100114727	no
823	1.62e-37	-4.48	ENSG00000143437	ARNT	chr1	-	149048810	149051210	no
824	1.64e-37	-12.25	ENSG00000175467	SART1	chr11	+	65503059	65504183	yes,JnId_h_14480
825	1.65e-37	-2.71	ENSG00000082014	SMARCD3	chr7	-	150576504	150576986	yes,JnId_h_74071
826	2.25e-37	-2.01	ENSG00000130294	KIF1A	chr2	-	241385737	241385902	no
826	2.25e-37	-2.42	ENSG00000130294	KIF1A	chr2	-	241301858	241305496	no
827	2.45e-37	-3.54	ENSG00000110048	OSBP	chr11	-	59139352	59140193	no
828	2.45e-37	-3.49	ENSG00000198901	PRC1	chr15	-	89310279	89311436	yes,JnId_h_28106
829	2.77e-37	-2.02	ENSG00000188554	NBR1	chr17	+	38576024	38576154	no
829	2.77e-37	-2.29	ENSG00000188554	NBR1	chr17	+	38717446	38719231	no
830	3.1e-37	-9.21	ENSG00000188243	COMMD6	chr13	-	74998117	74998776	yes,JnId_h_22073
831	3.6e-37	-2.17	ENSG00000145740	SLC30A5	chr5	+	68450082	68450211	no
831	3.6e-37	-2.14	ENSG00000145740	SLC30A5	chr5	+	68459587	68459715	no
831	3.6e-37	-5.33	ENSG00000145740	SLC30A5	chr5	+	68461030	68462648	no

832	3.7e-37	-2.26	ENSG00000204469	BAT2	chr6	+	31696471	31696614	no	
832	3.7e-37	-8.65	ENSG00000204469	BAT2	chr6	+	31713202	31713528	no	
833	3.78e-37	-2.76	ENSG00000067141	NEO1	chr15	+	71382007	71384592	no	
834	3.92e-37	-4.87	ENSG00000061676	NCKAP1	chr2	-	183610965	183611831	no	
834	3.92e-37	-3.93	ENSG00000061676	NCKAP1	chr2	-	183576206	183576298	no	
834	3.92e-37	-4.44	ENSG00000061676	NCKAP1	chr2	-	183499789	183499878	no	
834	3.92e-37	-4.44	ENSG00000061676	NCKAP1	chr2	-	183497857	183498791	no	
835	4.15e-37	-7.57	ENSG00000183726	TMEM50A	chr1	+	25559738	25561439	no	
836	4.16e-37	-5.39	ENSG00000134874	DZIP1	chr13	-	95028458	95032568	no	
837	4.65e-37	-6.39	ENSG00000131236	CAP1	chr1	+	40278492	40279060	yes	JnId_h_2502
837	4.65e-37	-2.57	ENSG00000131236	CAP1	chr1	+	40305799	40305976	no	
838	4.72e-37	-10.94	ENSG00000147224	PRPS1	chrX	+	106770788	106771010	no	
838	4.72e-37	-8.54	ENSG00000147224	PRPS1	chrX	+	106779826	106780908	no	
839	5.47e-37	-2.97	ENSG00000163806	PPP1CB	chr2	+	28875569	28879300	yes	JnId_h_45039
840	6.66e-37	-2.89	ENSG00000179115	FARSA	chr19	-	12896263	12896340	no	
840	6.66e-37	-4.79	ENSG00000179115	FARSA	chr19	-	12895965	12896079	no	
840	6.66e-37	-6.01	ENSG00000179115	FARSA	chr19	-	12894294	12894700	no	
841	8,00E-37	-2.03	ENSG00000125755	SYMPK	chr19	-	51011580	51011675	no	
841	8,00E-37	-3.11	ENSG00000125755	SYMPK	chr19	-	51010949	51011281	no	
841	8,00E-37	-3.19	ENSG00000125755	SYMPK	chr19	-	51010546	51010795	no	
842	8.41e-37	-4.35	ENSG00000136146	MED4	chr13	-	47548093	47549448	no	
843	1.21e-36	-8.13	ENSG00000176407	KCMF1	chr2	+	85051758	85052101	no	
843	1.21e-36	-7	ENSG00000176407	KCMF1	chr2	+	85133782	85134959	no	
844	1.31e-36	-2.19	ENSG00000109881	CCDC34	chr11	-	27326995	27328562	no	
845	1.32e-36	-4.68	ENSG00000165138	ANKS6	chr9	-	100598236	100598642	no	
845	1.32e-36	-3.5	ENSG00000165138	ANKS6	chr9	-	100591707	100594082	no	
845	1.32e-36	-2.73	ENSG00000165138	ANKS6	chr9	-	100533432	100538726	no	
846	1.37e-36	-2.77	ENSG00000124193	SFRS6	chr20	+	41522757	41525659	no	
847	1.43e-36	-6.08	ENSG00000113761	ZNF346	chr5	+	176438989	176440796	no	
848	1.73e-36	-9	ENSG00000169718	DUS1L	chr17	-	77616778	77616969	no	
848	1.73e-36	-2.57	ENSG00000169718	DUS1L	chr17	-	77609506	77609581	"yes	JnId_h_37779;JnId_h_37780"
848	1.73e-36	-3.52	ENSG00000169718	DUS1L	chr17	-	77609043	77609419	no	
849	1.86e-36	-3.68	ENSG00000101412	E2F1	chr20	-	31737471	31737871	yes	JnId_b_40770
849	1.86e-36	-2.17	ENSG00000101412	E2F1	chr20	-	31727147	31728446	no	
850	1.90e-36	-3.78	ENSG00000168214	RBPJ	chr4	+	26031797	26035199	no	
851	2.30e-36	-4.62	ENSG00000102316	MAGED2	chrX	+	54850757	54850960	no	
851	2.30e-36	-3.06	ENSG00000102316	MAGED2	chrX	+	54851529	54851591	yes	JnId_h_81530
851	2.30e-36	-2.31	ENSG00000102316	MAGED2	chrX	+	54858406	54859170	yes	JnId_h_81542
852	2.65e-36	-18.55	ENSG00000106603	C7orf44	chr7	-	43614608	43615619	no	
853	2.8e-36	-6.23	ENSG00000134057	CCNB1	chr5	+	68498593	68498866	no	
853	2.8e-36	-15.91	ENSG00000134057	CCNB1	chr5	+	68509107	68509828	no	
854	3.33e-36	-5.31	ENSG00000136709	WDR33	chr2	-	128178280	128180596	no	
855	3.55e-36	-2.92	ENSG00000150768	DLAT	chr11	+	111421797	111421904	no	
855	3.55e-36	-3.38	ENSG00000150768	DLAT	chr11	+	111427168	111427283	no	
855	3.55e-36	-6.79	ENSG00000150768	DLAT	chr11	+	111438340	111439798	no	
856	3.68e-36	-5.43	ENSG00000139168	ZCRB1	chr12	-	40992155	40993267	no	
857	4.07e-36	-2.04	ENSG00000143811	PYCR2	chr1	-	224177805	224178094	yes	JnId_h_7907
858	4.34e-36	-5.76	ENSG00000171262	FAM98B	chr15	+	36560785	36563158	no	
859	5.33e-36	-2.22	ENSG00000145730	PAM	chr5	+	102388734	102388941	no	
859	5.33e-36	-4.54	ENSG00000145730	PAM	chr5	+	102392490	102394708	no	
860	5.46e-36	-4.39	ENSG00000143401	ANP32E	chr1	-	148457341	148459687	yes	JnId_h_5181
861	6.17e-36	-2.39	ENSG00000204371	EHMT2	chr6	-	31972362	31972580	no	
861	6.17e-36	-4.08	ENSG00000204371	EHMT2	chr6	-	31971157	31972272	no	
861	6.17e-36	-2.12	ENSG00000204371	EHMT2	chr6	-	31964725	31964826	no	
862	6.42e-36	-4.38	ENSG00000170638	TRABD	chr22	+	48978901	48980146	no	
863	7.07e-36	-6.25	ENSG00000166295	C10orf104	chr10	+	73662765	73665622	no	
864	8.08e-36	-2.23	ENSG00000073536	NLE1	chr17	-	30479885	30483581	no	
865	1.05e-35	-3.93	ENSG00000120254	MTHFD1L	chr6	+	151228378	151228878	no	
865	1.05e-35	-2.15	ENSG00000120254	MTHFD1L	chr6	+	151377709	151377809	yes	JnId_b_56189
865	1.05e-35	-5.9	ENSG00000120254	MTHFD1L	chr6	+	151464355	151464716	yes	JnId_b_56192
866	1.08e-35	-2.58	ENSG00000112701	SENP6	chr6	+	76367945	76369012	no	
866	1.08e-35	-2.07	ENSG00000112701	SENP6	chr6	+	76443466	76443692	no	
866	1.08e-35	-2.62	ENSG00000112701	SENP6	chr6	+	76469081	76469508	no	
866	1.08e-35	-7.58	ENSG00000112701	SENP6	chr6	+	76481821	76483649	no	

867	1.18e-35	-3.67	ENSG00000115307	AUP1	chr2	-	74607284	74607471	no
868	1.43e-35	-2.57	ENSG00000104549	SQLI	chr8	+	126099483	126099625	no
868	1.43e-35	-2.08	ENSG00000104549	SQLI	chr8	+	126100055	126100151	no
868	1.43e-35	-2.84	ENSG00000104549	SQLI	chr8	+	126102208	126102295	no
868	1.43e-35	-5.54	ENSG00000104549	SQLI	chr8	+	126103177	126103707	no
869	1.43e-35	-3.24	ENSG00000124067	LCAT	chr16	-	66559843	66560026	no
869	1.43e-35	-2.33	ENSG00000124067	LCAT	chr16	-	66536773	66536957	no
869	1.43e-35	-2.38	ENSG00000124067	LCAT	chr16	-	66535352	66536335	no
869	1.43e-35	-4.76	ENSG00000124067	LCAT	chr16	-	66533767	66533991	no
869	1.43e-35	-5.97	ENSG00000124067	LCAT	chr16	-	66531154	66531882	no
870	1.48e-35	-5.17	ENSG00000020922	MRE11A	chr11	-	93866498	93866688	no
870	1.48e-35	-7.95	ENSG00000020922	MRE11A	chr11	-	93858738	93858898	no
870	1.48e-35	-21.11	ENSG00000020922	MRE11A	chr11	-	93790123	93792995	no
871	1.59e-35	-2.51	ENSG00000055955	MUSTN1	chr3	-	52906347	52906652	no
871	1.59e-35	-2.51	ENSG00000055955	MUSTN1	chr3	-	52832879	52833060	no
872	1.64e-35	-2.1	ENSG00000115825	PRKD3	chr2	-	37340870	37341031	yes,JnId_b_36455
872	1.64e-35	-2.7	ENSG00000115825	PRKD3	chr2	-	37331149	37333997	no
873	2.24e-35	-5.9	ENSG00000167123	CEECAM1	chr9	+	130222287	130225078	no
874	2.35e-35	-5.47	ENSG00000169682	LAT	chr16	+	28903027	28904339	no
875	2.53e-35	-6.21	ENSG00000136718	IMP4	chr2	+	130816453	130816978	no
876	2.67e-35	-2.27	ENSG00000120685	C13orf23	chr13	-	38509335	38510213	yes,JnId_b_16974
876	2.67e-35	-4.65	ENSG00000120685	C13orf23	chr13	-	38482003	38483624	no
877	2.70e-35	-2.63	ENSG00000100201	DDX17	chr22	-	37209389	37212391	no
878	2.89e-35	-20.59	ENSG00000030582	GRN	chr17	+	39778017	39778228	yes,JnId_b_28178
878	2.89e-35	-2.06	ENSG00000030582	GRN	chr17	+	39782052	39782196	yes,JnId_b_28178
878	2.89e-35	-4.17	ENSG00000030582	GRN	chr17	+	39785555	39785996	no
879	3.12e-35	-2.14	ENSG00000118873	RAB3GAP2	chr1	-	218453821	218453944	no
879	3.12e-35	-2.88	ENSG00000118873	RAB3GAP2	chr1	-	218388258	218391371	no
880	3.15e-35	-2.58	ENSG00000069248	NUP133	chr1	-	227652895	227652975	no
880	3.15e-35	-2.76	ENSG00000069248	NUP133	chr1	-	227651496	227651560	no
880	3.15e-35	-2.67	ENSG00000069248	NUP133	chr1	-	227647284	227647372	no
880	3.15e-35	-3.79	ENSG00000069248	NUP133	chr1	-	227643667	227644410	no
880	3.15e-35	-5.17	ENSG00000204463	BAT3	chr6	-	31728156	31728519	no
880	3.15e-35	-2.69	ENSG00000204463	BAT3	chr6	-	31715955	31716062	yes,JnId_h_67597
880	3.15e-35	-4.21	ENSG00000204463	BAT3	chr6	-	31715256	31715402	yes,JnId_h_67595
880	3.15e-35	-3.45	ENSG00000204463	BAT3	chr6	-	31714784	31714982	yes,JnId_h_67596
882	3.86e-35	-2.44	ENSG00000131503	ANKHD1	chr5	+	139898688	139898852	yes,JnId_h_65593
882	3.86e-35	-5.88	ENSG00000131503	ANKHD1	chr5	+	139899128	139899621	yes,JnId_h_65593
882	3.86e-35	-4.15	ENSG00000131503	ANKHD1	chr5	+	139908675	139908845	no
883	4.17e-35	-4.82	ENSG00000105063	SAPS1	chr19	-	60461615	60462175	no
883	4.17e-35	-2.31	ENSG00000105063	SAPS1	chr19	-	60434982	60435162	yes,JnId_h_43965
883	4.17e-35	-2.03	ENSG00000105063	SAPS1	chr19	-	60434778	60434848	yes,JnId_h_43965
883	4.17e-35	-2.98	ENSG00000105063	SAPS1	chr19	-	60433793	60433864	no
883	4.17e-35	-4.28	ENSG00000105063	SAPS1	chr19	-	60432960	60433711	no
884	4.2e-35	-10.28	ENSG00000088766	CRLS1	chr20	+	5965720	5968699	no
885	4.24e-35	-2.78	ENSG00000102103	PQBP1	chrX	+	48639531	48640320	no
885	4.24e-35	-2.32	ENSG00000102103	PQBP1	chrX	+	48645149	48645363	yes,JnId_h_81198
886	4.54e-35	-8.15	ENSG00000001036	FUCA2	chr6	-	143857642	143858677	no
887	4.64e-35	-3.77	ENSG00000006114	AP1GBP1	chr17	-	33013341	33013643	yes,JnId_h_34590
887	4.64e-35	-9.35	ENSG00000006114	AP1GBP1	chr17	-	33001064	33003139	yes,JnId_b_27469
887	4.64e-35	-3.03	ENSG00000006114	AP1GBP1	chr17	-	32952053	32953287	no
888	5.11e-35	-3.36	ENSG00000123983	ACSL3	chr2	+	223514459	223516360	no
889	5.16e-35	-2.37	ENSG00000113758	DBN1	chr5	-	176833043	176833271	no
889	5.16e-35	-2.16	ENSG00000113758	DBN1	chr5	-	176826379	176826442	no
889	5.16e-35	-2.53	ENSG00000113758	DBN1	chr5	-	176817262	176817364	no
889	5.16e-35	-5.28	ENSG00000113758	DBN1	chr5	-	176816220	176817110	no
890	5.23e-35	-4.68	ENSG00000147654	EBAG9	chr8	+	110621582	110621866	no
890	5.23e-35	-7.32	ENSG00000147654	EBAG9	chr8	+	110645844	110647397	no
891	5.69e-35	-5.62	ENSG00000173638	SLC19A1	chr21	-	45737914	45740721	no
892	6.43e-35	-4.62	ENSG00000060688	WDR57	chr1	-	31514592	31515100	no
893	7.42e-35	-2.18	ENSG00000163781	TOPBP1	chr3	-	134860550	134860684	no
893	7.42e-35	-2.23	ENSG00000163781	TOPBP1	chr3	-	134810069	134810230	no
893	7.42e-35	-8.28	ENSG00000163781	TOPBP1	chr3	-	134802140	134802927	no
894	8.28e-35	-2.93	ENSG00000148719	DNAJB12	chr10	-	73784529	73784875	no

894	8.28e-35	-4.28	ENSG00000148719	DNAJB12	chr10	-	73762594	73765695	"yes,JnId_h_9894;JnId_h_9895;JnId_h_9895"
895	8.72e-35	-6.61	ENSG00000159692	CTBP1	chr4	-	1232704	1232925	yes,JnId_h_60568
895	8.72e-35	-2.66	ENSG00000159692	CTBP1	chr4	-	1195228	1196214	yes,JnId_h_60558
896	1.08e-34	-5.1	ENSG00000150316	Q9P013	chr11	-	94335939	94336327	no
897	1.09e-34	-3.74	ENSG00000178425	NT5DC1	chr6	+	116671765	116673545	no
898	1.12e-34	-2.79	ENSG00000100138	NHP2L1	chr22	-	40408306	40408537	yes,JnId_h_54810
899	1.23e-34	-5.76	ENSG00000083642	APRIN	chr13	+	32247155	32250157	no
900	1.27e-34	-3.72	ENSG00000110801	PSMD9	chr12	+	120838573	120840153	no
901	1.27e-34	-5.1	ENSG00000168397	ATG4B	chr2	+	242239088	242239199	no
901	1.27e-34	-3.34	ENSG00000168397	ATG4B	chr2	+	242241600	242241698	no
901	1.27e-34	-8.32	ENSG00000168397	ATG4B	chr2	+	242260279	242261942	no
902	1.36e-34	-2.79	ENSG00000071794	HLTF	chr3	-	150248505	150248640	no
902	1.36e-34	-2.41	ENSG00000071794	HLTF	chr3	-	150230604	150232849	no
903	1.56e-34	-2.39	ENSG00000120438	TCP1	chr6	-	160120649	160120812	no
903	1.56e-34	-9.36	ENSG00000120438	TCP1	chr6	-	160119520	160120283	no
904	1.75e-34	-16.09	ENSG00000159346	ADIPOR1	chr1	-	201193936	201194140	no
904	1.75e-34	-4.01	ENSG00000159346	ADIPOR1	chr1	-	201176574	201177452	no
905	1.84e-34	-2.25	ENSG00000114784	EIF1B	chr3	+	40328465	40328919	no
906	1.86e-34	-3.78	ENSG00000171848	RRM2	chr2	+	10179906	10180475	no
906	1.86e-34	-3.52	ENSG00000171848	RRM2	chr2	+	10186812	10188996	no
907	2.18e-34	-3.39	ENSG00000185122	HSF1	chr8	+	145486088	145486364	no
907	2.18e-34	-2.02	ENSG00000185122	HSF1	chr8	+	145508005	145508110	no
907	2.18e-34	-3.87	ENSG00000185122	HSF1	chr8	+	145508596	145509187	no
908	2.52e-34	-4.48	ENSG00000173801	JUP	chr17	-	37196366	37196476	no
908	2.52e-34	-2.57	ENSG00000173801	JUP	chr17	-	37164412	37165210	yes,JnId_h_34928
909	2.64e-34	-15.47	ENSG00000136908	DPM2	chr9	-	129738134	129738755	no
910	2.91e-34	-2.68	ENSG00000099956	SMARCB1	chr22	+	22459150	22459449	no
910	2.91e-34	-2.93	ENSG00000099956	SMARCB1	chr22	+	22506328	22506701	no
911	2.95e-34	-2.83	ENSG00000102038	SMARCA1	chrX	-	128409960	128410101	no
911	2.95e-34	-5.97	ENSG00000102038	SMARCA1	chrX	-	128408163	128408959	no
912	3.15e-34	-38.95	ENSG00000196683	TOMM7	chr7	-	22818782	22819329	yes,JnId_b_56939
913	5.44e-34	-2.02	ENSG00000114738	MAPKAPK3	chr3	+	50629949	50630219	no
913	5.44e-34	-5.75	ENSG00000114738	MAPKAPK3	chr3	+	50660329	50661724	no
914	5.61e-34	-8.21	ENSG00000100099	HPS4	chr22	-	25177446	25179370	no
915	5.82e-34	-2.25	ENSG00000143183	TMCO1	chr1	-	164004543	164005041	yes,JnId_h_6403
915	5.82e-34	-3.83	ENSG00000143183	TMCO1	chr1	-	163962656	163963982	"yes,JnId_b_4812;JnId_b_4813"
916	6.28e-34	-3.65	ENSG00000127483	HP1BP3	chr1	-	20985266	20985720	yes,JnId_h_1230
916	6.28e-34	-2.03	ENSG00000127483	HP1BP3	chr1	-	20972527	20972996	no
917	7.44e-34	-3.83	ENSG00000126934	MAP2K2	chr19	-	4074781	4075126	no
917	7.44e-34	-3.07	ENSG00000126934	MAP2K2	chr19	-	4041331	4041706	no
918	8.92e-34	-2.62	ENSG00000088038	CNOT3	chr19	+	59349046	59349389	no
918	8.92e-34	-3.96	ENSG00000088038	CNOT3	chr19	+	59350859	59351239	no
919	9.25e-34	-2.03	ENSG00000167522	ANKRD11	chr16	-	88084154	88084470	yes,JnId_b_25668
919	9.25e-34	-2.24	ENSG00000167522	ANKRD11	chr16	-	87892785	87894871	yes,JnId_h_32063
920	9.35e-34	-3.08	ENSG00000174243	DDX23	chr12	-	47511192	47511366	no
920	9.35e-34	-7.18	ENSG00000174243	DDX23	chr12	-	47509807	47510742	no
921	9.53e-34	-4.07	ENSG00000108773	GCN5L2	chr17	-	37526510	37526901	no
921	9.53e-34	-2.89	ENSG00000108773	GCN5L2	chr17	-	37519763	37519826	no
921	9.53e-34	-3.72	ENSG00000108773	GCN5L2	chr17	-	37518655	37519386	no
922	1.10e-33	-2.95	ENSG00000099899	HTF9C_HUMAN	chr22	-	18479398	18480317	no
923	1.27e-33	-2.09	ENSG00000038427	VCAN	chr5	+	82821673	82822047	no
923	1.27e-33	-4.87	ENSG00000038427	VCAN	chr5	+	82850924	82853884	"yes,JnId_h_64596;JnId_h_64597"
924	1.29e-33	-2.68	ENSG00000169813	HNRPF	chr10	-	43223171	43223273	"yes,JnId_h_9460;JnId_h_9461;JnId_h_9462"
925	1.37e-33	-2.13	ENSG00000131697	NPHP4	chr1	-	5850383	5851022	no
925	1.37e-33	-2.6	ENSG00000131697	NPHP4	chr1	-	5845457	5849105	no
926	1.45e-33	-3.69	ENSG00000171130	ATP6V0E2	chr7	+	149200990	149202191	no
927	1.53e-33	-2.67	ENSG00000138293	NCOA4	chr10	+	51259231	51260740	no
928	1.61e-33	-3.2	ENSG00000085831	C1orf34	chr1	-	51535491	51540676	no
929	1.64e-33	-2.77	ENSG00000113368	LMNB1	chr5	+	126199814	126200582	no
930	1.66e-33	-3.48	ENSG00000135624	CCT7	chr2	+	73314913	73315020	no
930	1.66e-33	-4.66	ENSG00000135624	CCT7	chr2	+	73333276	73333655	no
931	1.79e-33	-5.3	ENSG00000088970	C20orf19	chr20	+	21172883	21175260	no
932	2.05e-33	-5.67	ENSG00000163611	CCDC52	chr3	-	114644262	114646897	no
933	2.27e-33	-3.08	ENSG00000131653	TRAF7	chr16	+	2145800	2145860	no

933	2.27e-33	-3.89	ENSG00000131653	TRAF7	chr16	+	2166562	2168130	no	
934	2.40e-33	-4.48	ENSG00000099940	SNAP29	chr22	+	19571967	19574109	no	
935	2.66e-33	-3.79	ENSG00000161547	SFRS2	chr17	-	72241796	72242835	yes	JnId_h_37231
936	2.66e-33	-4.22	ENSG00000131871	Q6GYA4	chr15	-	99628737	99629373	no	
937	2.67e-33	-7.41	ENSG00000128915	NARG2	chr15	-	58499100	58503253	no	
938	2.76e-33	-4.29	ENSG00000071243	ING3	chr7	+	120402018	120402938	no	
939	3.73e-33	-3.29	ENSG00000141380	SS18	chr18	-	21924463	21924609	yes	JnId_h_38529
939	3.73e-33	-3.9	ENSG00000141380	SS18	chr18	-	21869793	21869885	yes	JnId_h_38522
939	3.73e-33	-4.05	ENSG00000141380	SS18	chr18	-	21850217	21852342	no	
940	3.85e-33	-2.64	ENSG00000117519	CNN3	chr1	-	95164982	95165422	no	
940	3.85e-33	-5.47	ENSG00000117519	CNN3	chr1	-	95135095	95136227	no	
941	4.38e-33	-5.21	ENSG00000102226	USP11	chrX	+	46977258	46977562	no	
941	4.38e-33	-3.7	ENSG00000102226	USP11	chrX	+	46992136	46992671	no	
942	4.67e-33	-8.4	ENSG00000137720	C11orf1	chr11	+	111259705	111261774	no	
943	6.53e-33	-2.26	ENSG00000160201	U2AF1	chr21	-	43386136	43386428	no	
944	6.84e-33	-2.19	ENSG00000146918	NCAPG2	chr7	-	158130972	158131072	no	
944	6.84e-33	-4.58	ENSG00000146918	NCAPG2	chr7	-	158116772	158117170	no	
945	8.6e-33	-3.55	ENSG00000171862	PTENP1	chr10	+	89715024	89721667	no	
946	8.73e-33	-3.43	ENSG00000175866	BAIAP2	chr17	+	76695140	76695302	no	
946	8.73e-33	-9.86	ENSG00000175866	BAIAP2	chr17	+	76697363	76698907	no	
946	8.73e-33	-12.15	ENSG00000175866	BAIAP2	chr17	+	76704625	76705827	no	
947	8.89e-33	-2.59	ENSG00000133706	LARS	chr5	-	145519163	145519226	yes	JnId_h_65783
947	8.89e-33	-2.48	ENSG00000133706	LARS	chr5	-	145473221	145474067	no	
948	8.9e-33	-2.25	ENSG00000139617	Q96KV2	chr13	-	31914525	31916263	yes	JnId_h_21477
949	9.51e-33	-3.53	ENSG00000182481	KPNA2	chr17	+	63472350	63472499	no	
949	9.51e-33	-3.28	ENSG00000182481	KPNA2	chr17	+	63473082	63473431	no	
950	1.01e-32	-6.94	ENSG00000148481	C10orf97	chr10	-	15898840	15900013	no	
951	1.55e-32	-2.17	ENSG00000144554	FANCD2	chr3	+	10051379	10051482	no	
951	1.55e-32	-5.46	ENSG00000144554	FANCD2	chr3	+	10115404	10116344	no	
951	1.55e-32	-3	ENSG00000144554	FANCD2	chr3	+	10117872	10118614	no	
952	1.55e-32	-5.58	ENSG00000163681	SLMAP	chr3	+	57850808	57851973	yes	JnId_h_57920
952	1.55e-32	-5.16	ENSG00000163681	SLMAP	chr3	+	57857640	57858460	no	
953	1.6e-32	-2.33	ENSG00000165704	HPRT1	chrX	+	133461726	133462364	yes	JnId_h_82663
954	1.67e-32	-4.56	ENSG00000100354	TNRC6B	chr22	+	39048804	39061757	no	
955	1.74e-32	-2.82	ENSG00000159461	AMFR	chr16	-	55016486	55016804	no	
955	1.74e-32	-2.78	ENSG00000159461	AMFR	chr16	-	54952865	54954469	no	
956	1.89e-32	-7.26	ENSG00000164040	PGRMC2	chr4	-	129409861	129412018	no	
957	1.90e-32	-4.45	ENSG00000120805	ARL1	chr12	-	100312565	100313574	no	
958	2.18e-32	-2.34	ENSG00000148484	RSU1	chr10	-	16672616	16675501	no	
959	2.32e-32	-3.61	ENSG00000163608	C3orf17	chr3	-	114203981	114207541	no	
960	2.62e-32	-4.86	ENSG00000167475	SCAMP4	chr19	+	1862889	1864444	no	
961	2.94e-32	-2.07	ENSG00000105216	LSM14A	chr19	+	39410110	39412048	no	
962	3.44e-32	-4.15	ENSG00000163126	ANKRD23	chr2	-	96869880	96870376	no	
962	3.44e-32	-5.53	ENSG00000163126	ANKRD23	chr2	-	96865724	96869559	no	
963	3.57e-32	-6.55	ENSG00000159128	IFNGR2	chr21	+	33697072	33697792	no	
963	3.57e-32	-3.78	ENSG00000159128	IFNGR2	chr21	+	33731005	33731698	"yes	JnId_h_52444;JnId_h_52443"
964	3.64e-32	-2.17	ENSG00000077235	GTF3C1	chr16	-	27468492	27468735	no	
964	3.64e-32	-2.46	ENSG00000077235	GTF3C1	chr16	-	27383142	27383658	no	
964	3.64e-32	-2.36	ENSG00000077235	GTF3C1	chr16	-	27381116	27381308	no	
964	3.64e-32	-5.81	ENSG00000077235	GTF3C1	chr16	-	27379436	27380384	no	
965	3.98e-32	-2.22	ENSG00000009335	UBE3C	chr7	+	156624425	156624793	yes	JnId_h_74220
965	3.98e-32	-2.31	ENSG00000009335	UBE3C	chr7	+	156710862	156710994	no	
965	3.98e-32	-2.49	ENSG00000009335	UBE3C	chr7	+	156753040	156754823	no	
966	4.27e-32	-3.09	ENSG00000105401	CDC37	chr19	-	10375054	10375271	no	
966	4.27e-32	-4.18	ENSG00000105401	CDC37	chr19	-	10362809	10363382	no	
967	4.47e-32	-3.31	ENSG00000123505	AMD1	chr6	+	111321372	111323609	no	
968	4.57e-32	-7.07	ENSG00000108344	PSMD3	chr17	+	35405962	35406117	no	
968	4.57e-32	-3.56	ENSG00000108344	PSMD3	chr17	+	35407109	35407159	yes	JnId_h_34792
968	4.57e-32	-10.27	ENSG00000108344	PSMD3	chr17	+	35407283	35407738	yes	JnId_h_34792
969	4.6e-32	-3.32	ENSG00000116497	S100PBP	chr1	+	33094112	33097063	no	
970	5.92e-32	-2.75	ENSG00000124767	GLO1	chr6	-	38751697	38753137	no	
971	6.26e-32	-2.08	ENSG00000132842	AP3B1	chr5	-	77346990	77347128	yes	JnId_h_64482
971	6.26e-32	-8.01	ENSG00000132842	AP3B1	chr5	-	77332105	77334635	no	
972	6.66e-32	-5.01	ENSG00000068878	PSME4	chr2	-	53950017	53951601	no	

972	6.66e-32	-2.95	ENSG00000068878	PSME4	chr2	-	53945075	53946214	no
973	7.02e-32	-5.26	ENSG00000116337	AMPD2	chr1	+	109964799	109965411	yes,JnId_h_4575
973	7.02e-32	-2.44	ENSG00000116337	AMPD2	chr1	+	109969448	109969715	yes,JnId_h_4576
974	7.15e-32	-4.91	ENSG00000160752	FDPS	chr1	+	153545267	153545491	"yes,JnId_h_5801;JnId_h_5802"
974	7.15e-32	-9.2	ENSG00000160752	FDPS	chr1	+	153546204	153546380	"yes,JnId_h_5799;JnId_h_5800;JnId_h_5802;JnId_h_5803"
974	7.15e-32	-3.34	ENSG00000160752	FDPS	chr1	+	153556824	153557080	no
975	7.95e-32	-5.51	ENSG00000148334	PTGES2	chr9	-	129929539	129930562	no
975	7.95e-32	-2.33	ENSG00000148334	PTGES2	chr9	-	129922793	129923373	no
976	8.78e-32	-5.51	ENSG00000139182	CLSTN3	chr12	+	7176249	7177009	no
976	8.78e-32	-3.58	ENSG00000139182	CLSTN3	chr12	+	7201804	7202795	no
977	9.6e-32	-2.52	ENSG00000121716	Q8TET2	chr7	+	99790702	99793574	"yes,JnId_h_72737;JnId_h_72736"
978	1.09e-31	-2.66	ENSG00000089336	KIAA0841	chr19	+	40795513	40795634	no
978	1.09e-31	-2.14	ENSG00000089336	KIAA0841	chr19	+	40805343	40805475	no
978	1.09e-31	-4.42	ENSG00000089336	KIAA0841	chr19	+	40805618	40808091	no
979	1.16e-31	-2.09	ENSG00000067704	IARS2	chr1	+	218380148	218380254	no
979	1.16e-31	-3.97	ENSG00000067704	IARS2	chr1	+	218387458	218388003	no
980	1.22e-31	-3.53	ENSG00000134001	EIF2S1	chr14	+	66919785	66922986	no
981	1.27e-31	-5.48	ENSG00000113569	NUP155	chr5	-	37323996	37327897	no
982	1.28e-31	-2.67	ENSG00000008018	PSMB1	chr6	-	170686133	170686418	no
983	1.59e-31	-11.01	ENSG00000073050	XRCC1	chr19	-	48771400	48771998	no
983	1.59e-31	-2.74	ENSG00000073050	XRCC1	chr19	-	48756902	48757012	no
983	1.59e-31	-5.88	ENSG00000073050	XRCC1	chr19	-	48739032	48739497	no
984	1.59e-31	-2	ENSG00000106462	EZH2	chr7	-	148135408	148135731	no
985	1.68e-31	-2.41	ENSG00000108829	LRRC59	chr17	-	45829573	45829845	no
985	1.68e-31	-5.42	ENSG00000108829	LRRC59	chr17	-	45827289	45827348	no
985	1.68e-31	-5.99	ENSG00000108829	LRRC59	chr17	-	45813598	45815595	no
986	1.70e-31	-2.02	ENSG00000105829	BET1	chr7	-	93460499	93461633	no
987	1.83e-31	-4.71	ENSG00000187122	ARHGAP19	chr10	-	98747785	98751097	no
988	1.92e-31	-2.37	ENSG00000110880	CORO1C	chr12	-	107563020	107565427	no
989	1.92e-31	-4.78	ENSG00000120948	TARDBP	chr1	+	11004768	11008133	yes,JnId_h_635
990	2.05e-31	-7.12	ENSG00000184014	RAB6IP1	chr11	-	9243084	9243447	no
990	2.05e-31	-2.01	ENSG00000184014	RAB6IP1	chr11	-	9120063	9120231	yes,JnId_h_12425
990	2.05e-31	-2.63	ENSG00000184014	RAB6IP1	chr11	-	9116957	9117977	no
991	2.18e-31	-5.12	ENSG00000049449	RCN1	chr11	+	32069026	32069572	no
991	2.18e-31	-2.06	ENSG00000049449	RCN1	chr11	+	32082487	32083649	no
992	2.36e-31	-2.05	ENSG00000100934	SEC23A	chr14	-	38603868	38603948	no
992	2.36e-31	-6.63	ENSG00000100934	SEC23A	chr14	-	38570874	38572283	no
993	2.42e-31	-10.55	ENSG00000105364	MRPL4	chr19	+	10223640	10223986	no
994	2.47e-31	-6.47	ENSG00000113161	HMGCR	chr5	+	74691869	74693685	no
995	2.58e-31	-2.58	ENSG00000166260	COX11	chr17	-	50393479	50395275	no
996	2.76e-31	-7.41	ENSG00000129084	PSMA1	chr11	-	14589088	14589273	yes,JnId_h_12662
996	2.76e-31	-2.94	ENSG00000129084	PSMA1	chr11	-	14482999	14483370	no
997	3.20e-31	-4.22	ENSG00000124562	SNRPC	chr6	+	34833309	34833709	no
998	3.36e-31	-2.16	ENSG00000162734	PEA15	chr1	+	158441751	158441936	no
999	3.45e-31	-3.33	ENSG00000163812	ZDHHC3	chr3	-	44992429	44992618	no
999	3.45e-31	-5.04	ENSG00000163812	ZDHHC3	chr3	-	44941663	44943343	yes,JnId_b_45444
1000	3.73e-31	-2.9	ENSG00000058600	POLR3E	chr16	+	22216231	22216359	no
1000	3.73e-31	-2.58	ENSG00000058600	POLR3E	chr16	+	22252466	22253265	no
1001	4.04e-31	-6.76	ENSG00000164548	Q549U1	chr7	-	23510928	23511713	no
1002	4.3e-31	-3.48	ENSG00000162642	Clorf52	chr1	-	85488227	85490973	no
1003	4.34e-31	-3.95	ENSG00000107341	UBE2R2	chr9	+	33807182	33807932	no
1003	4.34e-31	-4.62	ENSG00000107341	UBE2R2	chr9	+	33907016	33910401	yes,JnId_b_62014
1004	4.66e-31	-2.46	ENSG00000198961	PJA2	chr5	-	108773442	108773594	yes,JnId_h_64856
1004	4.66e-31	-2.1	ENSG00000198961	PJA2	chr5	-	108698309	108700956	no
1005	4.73e-31	-5.12	ENSG00000133275	CSNK1G2	chr19	+	1892188	1892417	no
1006	5.2e-31	-7.69	ENSG00000065328	MCM10	chr10	+	13291097	13293110	yes,JnId_h_8995
1007	5.32e-31	-3.17	ENSG00000107521	HPS1	chr10	-	100178895	100179389	yes,JnId_h_10799
1008	5.54e-31	-3.68	ENSG00000109606	DHX15	chr4	-	24151561	24151669	no
1008	5.54e-31	-2.27	ENSG00000109606	DHX15	chr4	-	24140322	24140491	no
1008	5.54e-31	-8.13	ENSG00000109606	DHX15	chr4	-	24138188	24138762	no
1009	5.79e-31	-2.38	ENSG00000130202	PVRL2	chr19	+	50073320	50074033	yes,JnId_h_42926
1010	6.16e-31	-5.32	ENSG00000077152	UBE2T	chr1	-	200567408	200567711	no
1011	7.25e-31	-2.39	ENSG00000105568	PPP2R1A	chr19	+	57385046	57385239	no
1011	7.25e-31	-3.5	ENSG00000105568	PPP2R1A	chr19	+	57421030	57421482	no

1012	7.44e-31	-2.4	ENSG00000121741	ZMYM2	chr13	+	19554921	19555172	no
1012	7.44e-31	-5.85	ENSG00000121741	ZMYM2	chr13	+	19557962	19561253	no
1013	7.79e-31	-3.23	ENSG00000114650	SCAP	chr3	-	47431066	47431146	no
1013	7.79e-31	-2.71	ENSG00000114650	SCAP	chr3	-	47430674	47430880	no
1013	7.79e-31	-3.61	ENSG00000114650	SCAP	chr3	-	47430188	47430593	no
1014	8.29e-31	-5.42	ENSG00000164818	HEATR2	chr7	+	732864	733478	no
1014	8.29e-31	-3.48	ENSG00000164818	HEATR2	chr7	+	791680	792636	no
1015	8.87e-31	-2.7	ENSG00000158710	TAGLN2	chr1	-	158161864	158162146	no
1016	9.08e-31	-2.55	ENSG00000124783	SSR1	chr6	-	7232802	7235163	no
1017	9.14e-31	-3.31	ENSG00000117408	IPO13	chr1	+	44185198	44185943	no
1017	9.14e-31	-5.15	ENSG00000117408	IPO13	chr1	+	44205845	44206281	no
1018	9.15e-31	-3.85	ENSG00000132963	POMP	chr13	+	28150172	28151062	no
1019	9.83e-31	-7.54	ENSG00000119596	YLPM1	chr14	+	74357513	74358568	no
1019	9.83e-31	-2.03	ENSG00000119596	YLPM1	chr14	+	74365669	74365799	no
1019	9.83e-31	-3.3	ENSG00000119596	YLPM1	chr14	+	74371721	74371903	no
1019	9.83e-31	-5.17	ENSG00000119596	YLPM1	chr14	+	74372231	74372621	no
1020	9.9e-31	-2.98	ENSG00000163703	CRELD1	chr3	+	9960586	9960779	yes,JnId_h_55565
1021	1.10e-30	-7.35	ENSG00000128050	PAICS	chr4	+	56996698	56996851	no
1022	1.14e-30	-3.74	ENSG00000103200	NME4	chr16	+	387193	387314	no
1023	1.18e-30	-3.17	ENSG00000111144	LTA4H	chr12	-	94931659	94931762	no
1023	1.18e-30	-8.02	ENSG00000111144	LTA4H	chr12	-	94918742	94919015	no
1024	1.25e-30	-3.04	ENSG00000143674	M3KL4_HUMAN	chr1	+	231574407	231576503	no
1025	1.31e-30	-3.96	ENSG00000120656	TAF12	chr1	-	28841754	28842165	no
1025	1.31e-30	-3.52	ENSG00000120656	TAF12	chr1	-	28801949	28802673	no
1026	1.34e-30	-2.83	ENSG00000101752	MIB1	chr18	+	17698485	17704912	no
1027	1.40e-30	-6.44	ENSG00000149547	EI24	chr11	+	124944508	124944679	no
1027	1.40e-30	-2.13	ENSG00000149547	EI24	chr11	+	124958626	124959784	no
1028	1.45e-30	-2.15	ENSG00000155621	C9orf85	chr9	+	73787393	73790790	no
1029	1.58e-30	-12.34	ENSG00000160211	G6PD	chrX	-	153414985	153415216	no
1029	1.58e-30	-6.52	ENSG00000160211	G6PD	chrX	-	153412800	153413499	no
1030	1.96e-30	-3.06	ENSG00000134308	YWHAQ	chr2	-	9688521	9688629	no
1030	1.96e-30	-4.12	ENSG00000134308	YWHAQ	chr2	-	9641552	9642925	no
1031	1.99e-30	-4.83	ENSG00000131368	MRPS25	chr3	-	15065024	15069144	no
1032	1.99e-30	-33.45	ENSG00000204316	MRPL38	chr17	-	71412485	71413069	no
1032	1.99e-30	-5.53	ENSG00000204316	MRPL38	chr17	-	71406319	71406662	no
1033	2.08e-30	-2.02	ENSG00000153113	CAST	chr5	+	96134100	96136143	no
1034	2.13e-30	-2.45	ENSG00000164466	SFXN1	chr5	+	174886247	174888290	no
1035	2.8e-30	-4.99	ENSG00000132361	KIAA0664	chr17	-	2539432	2540821	no
1036	2.82e-30	-2.87	ENSG00000148110	HIATL1	chr9	+	96261264	96263145	no
1037	2.95e-30	-2.45	ENSG00000106771	C9orf5	chr9	-	110882940	110883044	no
1037	2.95e-30	-3.81	ENSG00000106771	C9orf5	chr9	-	110817244	110822606	no
1038	3.23e-30	-3.3	ENSG00000160218	TMEM1	chr21	+	44256634	44256869	no
1038	3.23e-30	-6.81	ENSG00000160218	TMEM1	chr21	+	44303774	44304570	yes,JnId_b_42417
1038	3.23e-30	-2.48	ENSG00000160218	TMEM1	chr21	+	44347602	44350852	no
1039	3.44e-30	-2.92	ENSG00000161692	DBF4B	chr17	+	40141502	40141733	no
1039	3.44e-30	-7.18	ENSG00000161692	DBF4B	chr17	+	40183489	40185157	no
1040	3.63e-30	-3.39	ENSG00000126216	TUBGCP3	chr13	-	112248797	112250067	no
1040	3.63e-30	-3.09	ENSG00000126216	TUBGCP3	chr13	-	112187327	112188466	no
1041	4.18e-30	-2.86	ENSG00000124571	XPO5	chr6	-	43651475	43651729	no
1041	4.18e-30	-2.4	ENSG00000124571	XPO5	chr6	-	43634216	43634306	no
1041	4.18e-30	-2.4	ENSG00000124571	XPO5	chr6	-	43606390	43606540	no
1041	4.18e-30	-3.87	ENSG00000124571	XPO5	chr6	-	43598053	43599721	no
1042	4.47e-30	-2.48	ENSG00000081791	KIAA0141	chr5	+	141298270	141299900	"yes,JnId_h_65729;JnId_h_65728"
1043	4.53e-30	-2.64	ENSG00000101343	CRNKL1	chr20	-	19980936	19981402	no
1043	4.53e-30	-2.55	ENSG00000101343	CRNKL1	chr20	-	19965967	19966215	no
1043	4.53e-30	-4.38	ENSG00000101343	CRNKL1	chr20	-	19963012	19965006	no
1044	4.6e-30	-8.96	ENSG00000157625	MAP3K7IP3	chrX	-	30771004	30774682	yes,JnId_b_64714
1044	4.6e-30	-2.34	ENSG00000157625	MAP3K7IP3	chrX	-	30755480	30759613	no
1045	5.48e-30	-2.25	ENSG00000150593	PDCD4	chr10	+	112647776	112649754	no
1046	5.91e-30	-5.87	ENSG00000133226	SRRM1	chr1	+	24842179	24842425	yes,JnId_b_1201
1046	5.91e-30	-2.19	ENSG00000133226	SRRM1	chr1	+	24845745	24845867	yes,JnId_h_1492
1046	5.91e-30	-4.1	ENSG00000133226	SRRM1	chr1	+	24871260	24872345	no
1047	6.58e-30	-2.35	ENSG00000067829	IDH3G	chrX	-	152709455	152709500	yes,JnId_b_66078
1047	6.58e-30	-2.16	ENSG00000067829	IDH3G	chrX	-	152708844	152708948	yes,JnId_b_66077

1047	6.58e-30	-3.69	ENSG00000067829	IDH3G	chrX	-	152704415	152705098	"yes,JnId_h_82919;JnId_h_82920;JnId_h_82920;JnId_h_82922"
1048	6.78e-30	-2.18	ENSG00000121940	CLCC1	chr1	-	109306454	109306614	"yes,JnId_h_4493;JnId_h_4495"
1048	6.78e-30	-2.11	ENSG00000121940	CLCC1	chr1	-	109291756	109291863	no
1048	6.78e-30	-3.66	ENSG00000121940	CLCC1	chr1	-	109273653	109276646	no
1049	7.12e-30	-2.71	ENSG00000135069	PSAT1	chr9	+	80106690	80106759	no
1049	7.12e-30	-2.89	ENSG00000135069	PSAT1	chr9	+	80133717	80134829	no
1050	8.51e-30	-3.94	ENSG00000112699	GMDS	chr6	-	1875336	1876232	no
1051	9.46e-30	-3.81	ENSG00000143149	ALDH9A1	chr1	-	163934239	163934724	no
1051	9.46e-30	-3.01	ENSG00000143149	ALDH9A1	chr1	-	163898077	163899005	no
1052	1.02e-29	-2.2	ENSG00000138069	RAB1A	chr2	-	65167493	65169328	no
1053	1.05e-29	-5.7	ENSG00000175567	UCP2	chr11	-	73371414	73372000	no
1054	1.39e-29	-3.05	ENSG00000155313	USP25	chr21	+	16024215	16024628	no
1054	1.39e-29	-4.11	ENSG00000155313	USP25	chr21	+	16172493	16174248	no
1055	1.47e-29	-3.33	ENSG00000165802	NELF	chr9	-	139473305	139473607	no
1055	1.47e-29	-3.19	ENSG00000165802	NELF	chr9	-	139468811	139468929	"yes,JnId_h_80351;JnId_h_80352"
1055	1.47e-29	-2.12	ENSG00000165802	NELF	chr9	-	139466738	139468093	"yes,JnId_h_80346;JnId_h_80347;JnId_h_80347;JnId_h_80348;JnId_h_80348;JnId_h_80348;JnId_h_80350;JnI
1056	1.49e-29	-2.95	ENSG00000100266	PACSIN2	chr22	-	41637971	41638107	no
1056	1.49e-29	-3.16	ENSG00000100266	PACSIN2	chr22	-	41595721	41597419	no
1057	1.53e-29	-2.04	ENSG00000060237	WNK1	chr12	+	838672	838891	no
1057	1.53e-29	-8.92	ENSG00000060237	WNK1	chr12	+	859000	859458	"yes,JnId_h_16680;JnId_h_16681"
1057	1.53e-29	-4.73	ENSG00000060237	WNK1	chr12	+	860148	860426	yes,JnId_h_16681
1057	1.53e-29	-3.03	ENSG00000060237	WNK1	chr12	+	873989	874062	no
1058	1.62e-29	-3.74	ENSG00000153944	MSI2	chr17	+	53064151	53065542	yes,JnId_b_28703
1059	1.67e-29	-9.6	ENSG00000123131	PRDX4	chrX	+	23603028	23603500	no
1059	1.67e-29	-4.04	ENSG00000123131	PRDX4	chrX	+	23610434	23610564	no
1060	1.79e-29	-2.27	ENSG00000135749	PCNXL2	chr1	-	231186505	231188909	yes,JnId_h_8247
1061	1.95e-29	-2.3	ENSG00000137804	NUSAP1	chr15	+	39459583	39460535	no
1062	2,00E-29	-3.7	ENSG00000088205	DDX18	chr2	+	118304628	118306425	no
1063	2.04e-29	-4.2	ENSG00000164172	MOCS2	chr5	-	52440852	52441359	no
1063	2.04e-29	-2.39	ENSG00000164172	MOCS2	chr5	-	52427266	52430254	no
1064	2.26e-29	-5.47	ENSG00000133657	ATP13A3	chr3	-	195652163	195654059	no
1064	2.26e-29	-2.57	ENSG00000133657	ATP13A3	chr3	-	195604692	195606184	no
1065	2.36e-29	-6.76	ENSG00000134375	TIMM17A	chr1	+	200205220	200206412	no
1066	2.83e-29	-4.25	ENSG00000162664	ZNF326	chr1	+	90243280	90244594	no
1067	2.88e-29	-2.08	ENSG00000175387	SMAD2	chr18	-	43618435	43622319	no
1068	3.39e-29	-2.48	ENSG00000100220	C22orf28	chr22	-	31118227	31118346	no
1068	3.39e-29	-5.77	ENSG00000100220	C22orf28	chr22	-	31113569	31114086	no
1069	3.61e-29	-2.01	ENSG00000115128	Q53TM1	chr2	-	24143958	24144225	no
1070	3.73e-29	-3.85	ENSG00000121481	RNF2	chr1	+	183281119	183281404	no
1070	3.73e-29	-9.57	ENSG00000121481	RNF2	chr1	+	183335955	183338363	no
1071	3.97e-29	-5.41	ENSG00000056097	ZFR	chr5	-	32390214	32391802	no
1072	4.44e-29	-2.22	ENSG00000136628	EPRS	chr1	-	218286308	218286623	no
1072	4.44e-29	-2.45	ENSG00000136628	EPRS	chr1	-	218208566	218208921	no
1073	4.44e-29	-2.41	ENSG00000143198	MGST3	chr1	+	163866722	163867158	no
1074	4.78e-29	-4.2	ENSG00000168827	GFM1	chr3	+	159891819	159893055	no
1075	5.16e-29	-2.5	ENSG00000102081	FMR1	chrX	+	146801173	146801440	no
1075	5.16e-29	-2.55	ENSG00000102081	FMR1	chrX	+	146837895	146840337	no
1076	5.17e-29	-3.48	ENSG00000113649	TCERG1	chr5	+	145807087	145807164	no
1076	5.17e-29	-2.82	ENSG00000113649	TCERG1	chr5	+	145828097	145828159	yes,JnId_h_65819
1076	5.17e-29	-2.25	ENSG00000113649	TCERG1	chr5	+	145867629	145867712	yes,JnId_b_52498
1076	5.17e-29	-4.24	ENSG00000113649	TCERG1	chr5	+	145870197	145871263	yes,JnId_b_52515
1077	5.28e-29	-2.87	ENSG00000112759	SLC29A1	chr6	+	44299280	44299356	yes,JnId_b_55001
1077	5.28e-29	-10.61	ENSG00000112759	SLC29A1	chr6	+	44301688	44301882	yes,JnId_h_68590
1077	5.28e-29	-7.06	ENSG00000112759	SLC29A1	chr6	+	44302854	44303057	yes,JnId_h_68591
1078	5.41e-29	-2.23	ENSG00000100714	MTHFD1	chr14	+	63994685	63994778	no
1078	5.41e-29	-4.55	ENSG00000100714	MTHFD1	chr14	+	63996230	63996474	no
1079	6.82e-29	-8.53	ENSG00000136521	NDUFB5	chr3	+	180824402	180828128	no
1080	7.03e-29	-5.96	ENSG00000183814	LIN9	chr1	-	224563433	224564193	no
1080	7.03e-29	-4.53	ENSG00000183814	LIN9	chr1	-	224485481	224486930	no
1081	8.01e-29	-3.39	ENSG00000138032	PPM1B	chr2	+	44311056	44312115	yes,JnId_h_45510
1081	8.01e-29	-3.47	ENSG00000138032	PPM1B	chr2	+	44312959	44315246	no
1082	9,00E-29	-7.98	ENSG00000117505	DR1	chr1	+	93598638	93600737	no
1083	9.05e-29	-4	ENSG00000143633	C1orf131	chr1	-	229426132	229427892	yes,JnId_h_8193
1084	9.47e-29	-4.72	ENSG00000181991	MRPS11	chr15	+	86822107	86823219	no

1085	1.01e-28	-7.28	ENSG00000164733	CTSB	chr8	-	11737442	11740140	no
1086	1.07e-28	-2.04	ENSG00000143486	LGTN	chr1	-	204852263	204852527	no
1086	1.07e-28	-2.31	ENSG00000143486	LGTN	chr1	-	204833591	204833765	no
1086	1.07e-28	-3.97	ENSG00000143486	LGTN	chr1	-	204831600	204831800	no
1087	1.07e-28	-4.32	ENSG00000184207	no_name	chr16	-	2202030 2202849	no	
1088	1.16e-28	-2.95	ENSG00000110075	SAPS3	chr11	+	68137110	68139373	no
1089	1.21e-28	-2.96	ENSG00000169490	TM2D2	chr8	-	38965484	38968221	no
1090	1.24e-28	-2.15	ENSG00000196914	ARHGEF12	chr11	+	119835093	119835239	no
1090	1.24e-28	-3.22	ENSG00000196914	ARHGEF12	chr11	+	119860986	119865855	no
1091	1.26e-28	-5.29	ENSG00000137955	RABGGTB	chr1	+	76032783	76033352	yes,JnId_b_2994
1092	1.27e-28	-2.48	ENSG00000101146	RAE1	chr20	+	55359535	55359885	yes,JnId_h_51780
1092	1.27e-28	-5.62	ENSG00000101146	RAE1	chr20	+	55386476	55387618	yes,JnId_h_51791
1093	1.33e-28	-7.08	ENSG00000071655	MBD3	chr19	-	1543521 1543710	yes,JnId_h_39455	
1094	1.34e-28	-3.89	ENSG00000132912	DCTN4	chr5	-	150068503	150071117	no
1095	1.35e-28	-2.03	ENSG00000164134	NARG1	chr4	+	140528488	140531239	no
1096	1.58e-28	-11.29	ENSG00000189306	Q6P4B5	chr22	-	41235933	41238945	no
1097	1.80e-28	-8.37	ENSG00000198176	TFDP1	chr13	+	113287056	113287204	no
1097	1.80e-28	-5.59	ENSG00000198176	TFDP1	chr13	+	113333939	113334221	"yes,JnId_h_22680;JnId_h_22685;JnId_h_22683;JnId_h_22684"
1097	1.80e-28	-2.23	ENSG00000198176	TFDP1	chr13	+	113342436	113343789	yes,JnId_h_22690
1098	1.87e-28	-2.72	ENSG00000154930	ACSS1	chr20	-	24986405	24987616	no
1098	1.87e-28	-2.26	ENSG00000154930	ACSS1	chr20	-	24937906	24938635	no
1099	1.91e-28	-4.41	ENSG00000104960	PTOV1	chr19	+	55046260	55046568	yes,JnId_h_43645
1099	1.91e-28	-5.09	ENSG00000104960	PTOV1	chr19	+	55055337	55055405	yes,JnId_h_43652
1099	1.91e-28	-4.63	ENSG00000104960	PTOV1	chr19	+	55055635	55055802	no
1100	2.13e-28	-3.83	ENSG00000158864	NDUFS2	chr1	+	159438561	159438894	no
1100	2.13e-28	-3.09	ENSG00000158864	NDUFS2	chr1	+	159450570	159450809	yes,JnId_h_6303
1101	2.16e-28	-3.46	ENSG00000176783	RUFY1	chr5	+	178910177	178910486	no
1101	2.16e-28	-6.48	ENSG00000176783	RUFY1	chr5	+	178961499	178962178	no
1102	2.7e-28	-4.01	ENSG00000118200	CAMSAP1L1	chr1	+	199093505	199096452	no
1103	2.72e-28	-11.04	ENSG00000141425	Q7Z5G8	chr18	-	31874768	31874826	yes,JnId_h_38690
1103	2.72e-28	-8.44	ENSG00000141425	Q7Z5G8	chr18	-	31823785	31824556	no
1104	2.76e-28	-6.21	ENSG00000131626	PPFIA1	chr11	+	69906757	69908148	no
1105	2.98e-28	-15.5	ENSG00000075399	C16orf7	chr16	-	88304495	88304919	no
1106	3.41e-28	-4.05	ENSG00000114942	EEF1B2	chr2	+	206732579	206732653	no
1107	3.45e-28	-5.39	ENSG00000110713	NUP98	chr11	-	3775206 3775468	no	
1107	3.45e-28	-2.62	ENSG00000110713	NUP98	chr11	-	3702909 3703025	no	
1107	3.45e-28	-2.14	ENSG00000110713	NUP98	chr11	-	3698518 3698631	no	
1107	3.45e-28	-3.22	ENSG00000110713	NUP98	chr11	-	3652817 3654182	no	
1108	3.85e-28	-3.55	ENSG00000169180	XPO6	chr16	-	28130188	28130691	no
1108	3.85e-28	-2.35	ENSG00000169180	XPO6	chr16	-	28096042	28096154	no
1108	3.85e-28	-2.05	ENSG00000169180	XPO6	chr16	-	28094720	28094917	no
1109	3.86e-28	-24.97	ENSG00000070495	JMJD6	chr17	-	72220514	72224399	no
1110	3.95e-28	-4.39	ENSG00000113648	H2AFY	chr5	-	134714412	134714502	"yes,JnId_h_65355;JnId_h_65356"
1110	3.95e-28	-2.21	ENSG00000113648	H2AFY	chr5	-	134697970	134698730	no
1111	4.07e-28	-2.93	ENSG00000134440	NARS	chr18	-	53433871	53433960	no
1111	4.07e-28	-2.25	ENSG00000134440	NARS	chr18	-	53431832	53431910	no
1111	4.07e-28	-4.68	ENSG00000134440	NARS	chr18	-	53418894	53420013	no
1112	4.68e-28	-2.58	ENSG00000004478	FKBP4	chr12	+	2774414 2774671	no	
1112	4.68e-28	-2.14	ENSG00000004478	FKBP4	chr12	+	2779466 2779549	no	
1112	4.68e-28	-2.3	ENSG00000004478	FKBP4	chr12	+	2782578 2783381	no	
1113	4.81e-28	-10.22	ENSG00000059122	FLYWCH1	chr16	+	2924883 2926879	yes,JnId_h_29056	
1113	4.81e-28	-3.38	ENSG00000059122	FLYWCH1	chr16	+	2938690 2941201	no	
1114	4.88e-28	-7.8	ENSG00000158042	MRPL17	chr11	-	6658589 6660209	no	
1115	5.01e-28	-3.06	ENSG00000120265	PCMT1	chr6	+	150173445	150174249	no
1116	6.26e-28	-7.16	ENSG00000089195	Q9Y2Z8	chr20	-	5869699 5870682	yes,JnId_h_50251	
1116	6.26e-28	-7.85	ENSG00000089195	Q9Y2Z8	chr20	-	5866479 5867372	no	
1117	6.8e-28	-2.47	ENSG00000143393	PIK4CB	chr1	-	149566371	149566815	no
1117	6.8e-28	-3.22	ENSG00000143393	PIK4CB	chr1	-	149565272	149565473	yes,JnId_b_3941
1117	6.8e-28	-4.66	ENSG00000143393	PIK4CB	chr1	-	149563845	149564017	yes,JnId_b_3941
1117	6.8e-28	-2.02	ENSG00000143393	PIK4CB	chr1	-	149531037	149532133	no
1118	6.87e-28	-4.56	ENSG00000125912	NCLN	chr19	+	3136875 3137212	no	
1118	6.87e-28	-2.81	ENSG00000125912	NCLN	chr19	+	3143468 3143658	no	
1118	6.87e-28	-4.88	ENSG00000125912	NCLN	chr19	+	3158627 3160572	no	
1119	6.89e-28	-2.43	ENSG00000024526	DEPDC1	chr1	-	68716058	68717591	no

1120	8.42e-28	-2.3	ENSG00000144635	DYNCLLI1	chr3	-	32551007	32551142	no
1120	8.42e-28	-3.64	ENSG00000144635	DYNCLLI1	chr3	-	32549482	32549593	no
1120	8.42e-28	-5.37	ENSG00000144635	DYNCLLI1	chr3	-	32542473	32543404	no
1121	8.5e-28	-2.76	ENSG0000032514	PGBD3	chr10	-	50333420	50337286	no
1122	9.91e-28	-2.67	ENSG00000120694	HSPH1	chr13	-	30612321	30612446	no
1122	9.91e-28	-6.92	ENSG00000120694	HSPH1	chr13	-	30608765	30609661	no
1123	1.03e-27	-2.62	ENSG00000169855	ROBO1	chr3	-	78792866	78793101	no
1123	1.03e-27	-5.55	ENSG00000169855	ROBO1	chr3	-	78729080	78730767	no
1124	1.06e-27	-5.15	ENSG00000141141	DDX52	chr17	-	33046526	33048511	no
1125	1.27e-27	-4.65	ENSG00000114346	ECT2	chr3	+	174020632	174021957	no
1126	1.31e-27	-4.27	ENSG00000148498	PARD3	chr10	-	34675132	34675383	yes,JnId_h_9371
1126	1.31e-27	-2.55	ENSG00000148498	PARD3	chr10	-	34646041	34646272	no
1126	1.31e-27	-3.12	ENSG00000148498	PARD3	chr10	-	34598591	34598833	no
1126	1.31e-27	-5.86	ENSG00000148498	PARD3	chr10	-	34438495	34440496	no
1127	1.37e-27	-4.7	ENSG00000089094	FBXL10	chr12	-	120431753	120432225	no
1128	1.44e-27	-6.63	ENSG00000146416	AIG1	chr6	+	143424044	143424436	yes,JnId_h_70158
1128	1.44e-27	-3	ENSG00000146416	AIG1	chr6	+	143702469	143703134	yes,JnId_h_70164
1129	1.57e-27	-5.57	ENSG00000163832	TMEM103	chr3	-	47514438	47514926	no
1130	1.64e-27	-2.9	ENSG00000179091	CYC1	chr8	+	145224123	145224415	no
1131	1.64e-27	-5.25	ENSG00000154370	TRIM11	chr1	-	226649858	226651371	no
1132	1.74e-27	-2.69	ENSG00000154222	CC2D1B	chr1	-	52588855	52591907	yes,JnId_h_3248
1133	1.83e-27	-2.83	ENSG00000076716	GPC4	chrX	-	132261797	132264763	no
1134	2.08e-27	-3.07	ENSG00000157212	PAXIP1	chr7	-	154408660	154408822	yes,JnId_h_74160
1134	2.08e-27	-2.07	ENSG00000157212	PAXIP1	chr7	-	154370546	154370646	yes,JnId_h_74144
1135	2.46e-27	-14.84	ENSG00000103266	STUB1	chr16	+	670116	670685	no
1136	2.5e-27	-2.01	ENSG00000115685	PPP1R7	chr2	+	241737746	241738635	yes,JnId_h_49849
1137	2.54e-27	-2.59	ENSG00000003756	RBM5	chr3	+	50115520	50115603	"yes,JnId_h_57262;JnId_h_57264;JnId_h_57270;JnId_h_57268"
1137	2.54e-27	-2.17	ENSG00000003756	RBM5	chr3	+	50129687	50129816	no
1137	2.54e-27	-6.02	ENSG00000003756	RBM5	chr3	+	50130768	50131392	no
1138	2.69e-27	-4.16	ENSG00000168256	NKIRAS2	chr17	+	37422564	37423170	no
1139	2.81e-27	-3.42	ENSG00000071859	FAM50A	chrX	+	153331966	153332202	no
1139	2.81e-27	-10.8	ENSG00000147155	EBP	chrX	+	48264490	48265239	no
1141	2.95e-27	-3.88	ENSG00000054118	THRAP3	chr1	+	36541984	36543545	no
1141	2.95e-27	-3.96	ENSG00000082397	EPB41L3	chr18	-	5479000	5479193	no
1141	2.95e-27	-2.98	ENSG00000082397	EPB41L3	chr18	-	5382388	5383477	no
1143	2.99e-27	-4.22	ENSG00000070476	ZXDC	chr3	-	127676492	127677398	no
1143	2.99e-27	-5.74	ENSG00000070476	ZXDC	chr3	-	127643298	127643479	no
1143	2.99e-27	-8.41	ENSG00000070476	ZXDC	chr3	-	127639135	127639994	no
1144	3.13e-27	-5.44	ENSG00000163950	SLBP	chr4	-	1683655	1684080	no
1144	3.13e-27	-2.33	ENSG00000163950	SLBP	chr4	-	1666299	1666365	no
1144	3.13e-27	-3.02	ENSG00000163950	SLBP	chr4	-	1664325	1665238	no
1145	3.38e-27	-3.35	ENSG00000130935	NOL11	chr17	+	63170321	63170772	no
1146	3.46e-27	-7.65	ENSG00000127328	RAB3IP	chr12	+	68495411	68497421	no
1147	4.06e-27	-2.15	ENSG00000101871	MID1	chrX	-	10548330	10548531	no
1148	4.12e-27	-3.56	ENSG00000014641	MDH1	chr2	+	63686577	63686666	yes,JnId_b_37098
1148	4.12e-27	-13.41	ENSG00000014641	MDH1	chr2	+	63687500	63687832	no
1149	4.33e-27	-4	ENSG00000106355	LSM5	chr7	-	32491476	32493430	no
1150	4.45e-27	-2.55	ENSG00000206560	ANKRD28	chr3	-	15753544	15753744	no
1150	4.45e-27	-4.94	ENSG00000206560	ANKRD28	chr3	-	15683747	15687067	no
1151	5.14e-27	-2.49	ENSG00000067057	PFKP	chr10	+	3161199	3162175	no
1152	5.2e-27	-2.03	ENSG00000159377	PSMB4	chr1	+	149640917	149641044	no
1153	5.28e-27	-4.24	ENSG00000134882	UBAC2	chr13	+	98651109	98651822	yes,JnId_h_22401
1154	5.4e-27	-4.23	ENSG00000105176	C19orf2	chr19	+	35125265	35125411	yes,JnId_h_41827
1154	5.4e-27	-4.3	ENSG00000105176	C19orf2	chr19	+	35197634	35198451	no
1155	5.86e-27	-2.86	ENSG00000116962	NID1	chr1	-	234294778	234295085	no
1156	5.92e-27	-4.5	ENSG00000106615	RHEB	chr7	-	150794032	150795230	no
1157	6.11e-27	-3.56	ENSG00000136937	NCBP1	chr9	+	99471696	99472179	no
1157	6.11e-27	-3.98	ENSG00000136937	NCBP1	chr9	+	99473189	99475851	no
1158	6.49e-27	-4.43	ENSG00000164022	SCYE1	chr4	+	107456302	107456950	no
1159	6.71e-27	-2.33	ENSG00000158062	UBXD5	chr1	-	26480406	26481647	no
1160	8.42e-27	-3.06	ENSG00000116198	KIAA0562	chr1	-	3718505	3721941	no
1161	8.93e-27	-10.95	ENSG00000103249	CLCN7	chr16	-	1464836	1465582	no
1161	8.93e-27	-2.56	ENSG00000103249	CLCN7	chr16	-	1445733	1445797	no
1162	9.08e-27	-4.87	ENSG00000062485	CS	chr12	-	54980211	54980442	no

1163	9.98e-27	-4.65	ENSG00000198833	UBE2J1	chr6	-	90118977	90119338	no
1163	9.98e-27	-5.79	ENSG00000198833	UBE2J1	chr6	-	90093066	90096395	yes,JnId_h_69242
1164	1.03e-26	-2.03	ENSG00000138796	HADH	chr4	+	109174844	109175772	no
1165	1.16e-26	-4	ENSG00000121892	Q96DB6	chr4	-	39655741	39655887	no
1165	1.16e-26	-2.42	ENSG00000121892	Q96DB6	chr4	-	39603851	39603948	no
1165	1.16e-26	-3.45	ENSG00000121892	Q96DB6	chr4	-	39600637	39600763	no
1165	1.16e-26	-3.02	ENSG00000121892	Q96DB6	chr4	-	39500879	39503503	no
1166	1.24e-26	-2.91	ENSG00000084463	WBP11	chr12	-	14845521	14845629	no
1166	1.24e-26	-2.86	ENSG00000084463	WBP11	chr12	-	14830681	14831699	no
1167	1.25e-26	-4.41	ENSG00000186635	STARD10	chr11	-	72181568	72182344	no
1167	1.25e-26	-3.06	ENSG00000186635	STARD10	chr11	-	72115313	72115865	no
1167	1.25e-26	-4.12	ENSG00000186635	STARD10	chr11	-	72101131	72101936	yes,JnId_b_11733
1167	1.25e-26	-3.65	ENSG00000186635	STARD10	chr11	-	72073763	72074374	no
1168	1.28e-26	-6.5	ENSG00000125870	SNRPB2	chr20	+	16669491	16670421	no
1169	1.35e-26	-3.73	ENSG00000090372	STRN4	chr19	-	51941246	51941527	no
1170	1.43e-26	-2.97	ENSG00000087269	NOL14	chr4	-	2910337	2910455	no
1170	1.43e-26	-4.77	ENSG00000087269	NOL14	chr4	-	2909464	2909713	no
1171	1.43e-26	-3.79	ENSG00000196365	LONP1	chr19	-	5642845	5643219	no
1172	1.46e-26	-4.3	ENSG00000177084	POLE	chr12	-	131773913	131774018	yes,JnId_h_21142
1172	1.46e-26	-2.92	ENSG00000177084	POLE	chr12	-	131710421	131711469	no
1173	1.73e-26	-2.47	ENSG00000117751	PPP1R8	chr1	+	28029876	28030464	no
1174	1.89e-26	-3.23	ENSG00000100083	GGA1	chr22	+	36334449	36334856	no
1174	1.89e-26	-3.45	ENSG00000100083	GGA1	chr22	+	36358554	36359518	no
1175	2.01e-26	-4.41	ENSG00000071537	SEL1L	chr14	-	81007646	81013278	no
1176	2.04e-26	-2.87	ENSG00000122218	COPA	chr1	-	158576323	158576396	no
1176	2.04e-26	-3	ENSG00000122218	COPA	chr1	-	158525687	158526630	no
1177	2.21e-26	-6.8	ENSG00000141696	Q53GI6	chr17	-	37222142	37222381	no
1177	2.21e-26	-3.09	ENSG00000141696	Q53GI6	chr17	-	37221232	37221920	no
1178	2.28e-26	-3.33	ENSG00000182220	ATP6AP2	chrX	+	40349757	40350833	no
1179	2.37e-26	-2.52	ENSG00000188938	FAM120AOS	chr9	-	95254250	95255695	no
1180	2.41e-26	-2.83	ENSG00000011485	PPP5C	chr19	+	51542134	51542314	no
1180	2.41e-26	-2.06	ENSG00000011485	PPP5C	chr19	+	51585148	51585229	no
1180	2.41e-26	-6.69	ENSG00000011485	PPP5C	chr19	+	51585381	51585943	no
1181	2.56e-26	-2.36	ENSG00000185650	ZFP36L1	chr14	-	68329352	68331206	no
1182	2.64e-26	-3.5	ENSG00000164244	PRRC1	chr5	+	126915298	126918671	no
1183	2.67e-26	-2.11	ENSG00000131508	UBE2D2	chr5	+	138986525	138988200	no
1184	2.72e-26	-8.61	ENSG00000111615	KRR1	chr12	-	74177688	74179998	no
1185	2.99e-26	-3.13	ENSG00000105647	PIK3R2	chr19	+	18132864	18132995	"yes,JnId_h_41527;JnId_h_41528"
1185	2.99e-26	-6.45	ENSG00000105647	PIK3R2	chr19	+	18133089	18133305	"yes,JnId_h_41527;JnId_h_41528"
1186	3.49e-26	-2.21	ENSG00000198492	YTHDF2	chr1	+	28968028	28968874	no
1187	3.57e-26	-6.58	ENSG00000068400	GRIPAP1	chrX	-	48718263	48719791	no
1187	3.57e-26	-2.84	ENSG00000068400	GRIPAP1	chrX	-	48716505	48716665	no
1187	3.57e-26	-3.93	ENSG00000068400	GRIPAP1	chrX	-	48715078	48715641	no
1188	3.69e-26	-5.19	ENSG00000060491	OGFR	chr20	+	60907683	60910122	yes,JnId_h_51996
1189	4.43e-26	-4.31	ENSG00000164346	Q5J7U2	chr5	+	74108185	74108490	no
1190	5.28e-26	-2.9	ENSG00000083444	PLOD1	chr1	+	11917333	11917499	no
1190	5.28e-26	-3.03	ENSG00000083444	PLOD1	chr1	+	11957297	11958181	no
1191	5.58e-26	-6.45	ENSG00000158793	NIT1	chr1	+	159360555	159361859	no
1192	5.75e-26	-5.97	ENSG00000100226	GTPBP1	chr22	+	37431753	37432098	yes,JnId_b_43796
1192	5.75e-26	-2.59	ENSG00000100226	GTPBP1	chr22	+	37456563	37459536	no
1193	5.79e-26	-2.05	ENSG00000066697	TMEFF1	chr9	+	102252660	102253814	no
1193	5.79e-26	-2.08	ENSG00000066697	TMEFF1	chr9	+	102378619	102379739	no
1194	6.3e-26	-17.96	ENSG00000182196	ARL6IP4	chr12	+	122033120	122033407	no
1195	6.8e-26	-4.19	ENSG00000133895	MEN1	chr11	-	64333698	64334789	"yes,JnId_h_14157;JnId_h_14158;JnId_h_14158"
1196	7.15e-26	-7.36	ENSG00000197081	IGF2R	chr6	+	160310121	160310417	no
1196	7.15e-26	-3.13	ENSG00000197081	IGF2R	chr6	+	160332206	160332345	no
1196	7.15e-26	-2.78	ENSG00000197081	IGF2R	chr6	+	160351709	160351807	no
1196	7.15e-26	-2.51	ENSG00000197081	IGF2R	chr6	+	160365594	160365726	no
1196	7.15e-26	-2.39	ENSG00000197081	IGF2R	chr6	+	160368207	160368336	no
1196	7.15e-26	-2.95	ENSG00000197081	IGF2R	chr6	+	160385536	160385679	no
1196	7.15e-26	-3.37	ENSG00000197081	IGF2R	chr6	+	160445696	160447573	no
1197	7.23e-26	-2.15	ENSG00000071539	TRIP13	chr5	+	945758	946205	no
1197	7.23e-26	-3.32	ENSG00000071539	TRIP13	chr5	+	970123	971235	yes,JnId_h_63334
1198	7.32e-26	-4.94	ENSG00000068438	FTSJ1	chrX	+	48219493	48219728	no

1198	7.32e-26	-11.85	ENSG00000068438	FTSJ1	chrX	+	48229068	48229696	no
1199	7.77e-26	-6.32	ENSG00000117362	APH1A	chr1	-	148507722	148508327	no
1199	7.77e-26	-3.29	ENSG00000117362	APH1A	chr1	-	148504428	148505680	yes,JnId_h_5188
1200	7.9e-26	-3.8	ENSG00000136824	SMC2	chr9	+	105941241	105943519	no
1201	8.17e-26	-2.85	ENSG00000143751	Clorf55	chr1	-	224237026	224239847	no
1202	8.25e-26	-3.66	ENSG00000147679	C8orf53	chr8	+	117852876	117853376	no
1203	8.34e-26	-2.86	ENSG00000140575	IQGAP1	chr15	+	88844231	88846479	no
1204	9.52e-26	-4.81	ENSG00000103502	CDIPT	chr16	-	29781637	29782556	no
1205	9.62e-26	-4.85	ENSG00000102241	HTATSF1	chrX	+	135406904	135407264	no
1206	9.66e-26	-4.64	ENSG00000116350	SFRS4	chr1	-	29380745	29381086	yes,JnId_h_1852
1207	1.05e-25	-4.02	ENSG00000130402	ACTN4	chr19	+	43830167	43830387	no
1207	1.05e-25	-3.45	ENSG00000130402	ACTN4	chr19	+	43911754	43913010	no
1208	1.05e-25	-3.88	ENSG00000035928	RFC1	chr4	-	38965471	38966859	no
1209	1.11e-25	-2.2	ENSG00000151348	EXT2	chr11	+	44222275	44223555	no
1210	1.13e-25	-2.96	ENSG00000101290	CDS2	chr20	+	5055432	5055795	no
1210	1.13e-25	-4.65	ENSG00000101290	CDS2	chr20	+	5104748	5105391	no
1211	1.18e-25	-4.69	ENSG00000171720	HDAC3	chr5	-	140980627	140981288	no
1212	1.23e-25	-9.95	ENSG00000196182	STK40	chr1	-	36623911	36624084	"yes,JnId_h_2297;JnId_h_2298"
1212	1.23e-25	-10.81	ENSG00000196182	STK40	chr1	-	36606036	36606272	"yes,JnId_h_2296;JnId_h_2297"
1212	1.23e-25	-6.58	ENSG00000196182	STK40	chr1	-	36599409	36599528	yes,JnId_h_2296
1212	1.23e-25	-6.04	ENSG00000196182	STK40	chr1	-	36577812	36581636	yes,JnId_h_2287
1213	1.29e-25	-4.49	ENSG00000092201	SUPT16H	chr14	-	20921861	20922265	no
1213	1.29e-25	-2.09	ENSG00000092201	SUPT16H	chr14	-	20895926	20896001	yes,JnId_h_22845
1213	1.29e-25	-2.18	ENSG00000092201	SUPT16H	chr14	-	20889478	20890817	no
1214	1.41e-25	-8.76	ENSG00000117395	EBNA1BP2	chr1	-	43402440	43402751	no
1215	1.81e-25	-3.82	ENSG00000185721	DRG1	chr22	+	30159858	30160438	no
1216	2.23e-25	-6.95	ENSG00000165416	SUGT1	chr13	+	52152110	52152291	no
1217	2.24e-25	-3.13	ENSG00000138190	EXOC6	chr10	+	94807970	94809241	no
1218	2.32e-25	-3.72	ENSG00000176102	CSTF3	chr11	-	33062713	33063411	no
1219	2.44e-25	-3.9	ENSG00000084774	CAD	chr2	+	27293762	27294005	yes,JnId_b_36099
1219	2.44e-25	-2.71	ENSG00000084774	CAD	chr2	+	27300717	27300862	yes,JnId_b_36099
1219	2.44e-25	-2.52	ENSG00000084774	CAD	chr2	+	27319788	27320164	no
1220	2.90e-25	-2.67	ENSG00000114544	SLC41A3	chr3	-	127214148	127214282	no
1220	2.90e-25	-2.87	ENSG00000114544	SLC41A3	chr3	-	127210265	127210413	no
1220	2.90e-25	-4.87	ENSG00000114544	SLC41A3	chr3	-	127207890	127208758	yes,JnId_h_58810
1221	2.91e-25	-2.36	ENSG00000116641	DOCK7	chr1	-	62713966	62714202	no
1221	2.91e-25	-2.08	ENSG00000116641	DOCK7	chr1	-	62712241	62712347	no
1221	2.91e-25	-3.37	ENSG00000116641	DOCK7	chr1	-	62695797	62695964	no
1221	2.91e-25	-8.29	ENSG00000116641	DOCK7	chr1	-	62692987	62693715	no
1222	2.93e-25	-2.07	ENSG0000011426	ANLN	chr7	+	36423214	36423324	no
1222	2.93e-25	-2.88	ENSG0000011426	ANLN	chr7	+	36458611	36459923	no
1223	3.02e-25	-3.83	ENSG00000112312	GMNN	chr6	+	24893845	24894306	no
1224	3.24e-25	-6.38	ENSG00000164252	AGGF1	chr5	+	76394633	76396815	no
1225	3.42e-25	-4.96	ENSG00000165934	CPSF2	chr14	+	91697749	91700296	no
1226	4.23e-25	-2.03	ENSG00000072274	TFRC	chr3	-	197280723	197280836	yes,JnId_h_60370
1226	4.23e-25	-4.44	ENSG00000072274	TFRC	chr3	-	197260553	197263452	no
1227	4.3e-25	-6.55	ENSG00000126746	ZNF384	chr12	-	6668525	6668751	yes,JnId_h_16946
1227	4.3e-25	-3.48	ENSG00000126746	ZNF384	chr12	-	6651777	6651959	yes,JnId_h_16939
1228	4.53e-25	-2.47	ENSG00000057608	GDI2	chr10	-	5895183	5895518	no
1228	4.53e-25	-4.67	ENSG00000057608	GDI2	chr10	-	5847192	5848121	no
1229	4.92e-25	-4.84	ENSG00000100227	POLDIP3	chr22	-	41340749	41340906	no
1229	4.92e-25	-3.35	ENSG00000100227	POLDIP3	chr22	-	41309671	41311918	yes,JnId_b_44108
1230	5.26e-25	-2.15	ENSG00000005302	MSL3L1	chrX	+	11703020	11703791	no
1231	5.33e-25	-2.89	ENSG00000161202	DVL3	chr3	+	185355978	185356278	no
1231	5.33e-25	-2.16	ENSG00000161202	DVL3	chr3	+	185370801	185374092	yes,JnId_b_47969
1232	7.46e-25	-2.27	ENSG00000082898	XPO1	chr2	-	61618201	61618922	no
1232	7.46e-25	-3.06	ENSG00000082898	XPO1	chr2	-	61558573	61559605	no
1233	7.65e-25	-2.44	ENSG00000165060	FXN	chr9	+	70839995	70840683	no
1234	7.69e-25	-4.94	ENSG00000122034	GTF3A	chr13	+	26896681	26896804	no
1234	7.69e-25	-2.48	ENSG00000122034	GTF3A	chr13	+	26907570	26907823	no
1235	8.14e-25	-3.23	ENSG00000100644	HIF1A	chr14	+	61283405	61284729	no
1236	8.78e-25	-3.54	ENSG00000142046	TMEM91	chr19	+	46595544	46595680	yes,JnId_b_34283
1236	8.78e-25	-2.64	ENSG00000142046	TMEM91	chr19	+	46622183	46622749	no
1237	9.16e-25	-2.56	ENSG00000079785	DDX1	chr2	+	15688351	15688676	no

1238	9.2e-25	-2.73	ENSG00000165637	VDAC2	chr10	+	76660662	76661212	no
1239	9.8e-25	-7.03	ENSG00000077549	CAPZB	chr1	-	19684517	19684594	no
1239	9.8e-25	-3.43	ENSG00000077549	CAPZB	chr1	-	19618742	19618840	yes,JnId_h_1173
1239	9.8e-25	-3.31	ENSG00000077549	CAPZB	chr1	-	19537857	19538698	no
1240	1.05e-24	-3.71	ENSG00000136877	FPGS	chr9	+	129604975	129605162	no
1240	1.05e-24	-3.62	ENSG00000136877	FPGS	chr9	+	129615295	129616377	no
1241	1.09e-24	-2.33	ENSG00000141429	GALNT1	chr18	+	31543586	31545792	no
1242	1.10e-24	-3.95	ENSG00000085733	CTTN	chr11	+	69958780	69960337	no
1243	1.20e-24	-3.97	ENSG00000125944	HNRPR	chr1	-	23539932	23540100	yes,JnId_h_1404
1244	1.24e-24	-3	ENSG00000167113	COQ4	chr9	+	130127879	130128500	yes,JnId_h_79273
1245	1.34e-24	-5.29	ENSG00000128708	HAT1	chr2	+	172556345	172556845	no
1246	1.48e-24	-5.91	ENSG00000105793	GTPBP10	chr7	+	89852142	89858255	no
1247	1.54e-24	-3.56	ENSG00000107404	DVL1	chr1	-	1274139	1274623	yes,JnId_b_84
1248	1.57e-24	-2.01	ENSG00000168615	ADAM9	chr8	+	38992794	38992870	no
1248	1.57e-24	-6.19	ENSG00000168615	ADAM9	chr8	+	39080283	39081934	no
1249	1.58e-24	-3.15	ENSG00000099917	PCQAP	chr22	+	19259400	19259519	yes,JnId_h_53449
1250	1.69e-24	-3.46	ENSG00000170291	C17orf81	chr17	+	7102631	7103974	yes,JnId_h_33011
1251	1.69e-24	-2.98	ENSG00000133026	MYH10	chr17	-	8474697	8474804	no
1251	1.69e-24	-2.85	ENSG00000133026	MYH10	chr17	-	8413763	8413855	no
1251	1.69e-24	-2.11	ENSG00000133026	MYH10	chr17	-	8392687	8392830	no
1252	1.71e-24	-6.36	ENSG00000139921	TXNDC1	chr14	+	50790809	50792509	no
1253	1.82e-24	-4.05	ENSG00000007202	KIAA0100	chr17	-	23996134	23996256	no
1253	1.82e-24	-2.68	ENSG00000007202	KIAA0100	chr17	-	23968034	23968144	no
1253	1.82e-24	-2.08	ENSG00000007202	KIAA0100	chr17	-	23967241	23967342	no
1253	1.82e-24	-2.56	ENSG00000007202	KIAA0100	chr17	-	23965599	23966391	no
1254	1.85e-24	-3	ENSG00000111328	CDK2AP1	chr12	-	122322064	122322640	yes,JnId_h_20754
1255	1.96e-24	-2.32	ENSG00000196700	ZNF512B	chr20	-	62069627	62069765	no
1255	1.96e-24	-3.16	ENSG00000196700	ZNF512B	chr20	-	62058499	62061936	no
1256	1.96e-24	-2.57	ENSG00000155561	NUP205	chr7	+	134980756	134980884	no
1256	1.96e-24	-3.02	ENSG00000155561	NUP205	chr7	+	134981446	134981519	no
1256	1.96e-24	-6.36	ENSG00000155561	NUP205	chr7	+	134983692	134984029	no
1257	1.98e-24	-4.14	ENSG00000134709	HOOK1	chr1	+	60053121	60053440	no
1257	1.98e-24	-4.79	ENSG00000134709	HOOK1	chr1	+	60111055	60114638	no
1258	2.36e-24	-6.46	ENSG00000148337	CIZ1	chr9	-	129993532	129993689	yes,JnId_h_79239
1258	2.36e-24	-2.98	ENSG00000148337	CIZ1	chr9	-	129968165	129968506	no
1259	2.4e-24	-2.2	ENSG00000109920	FBNP4	chr11	-	47694648	47695640	no
1260	2.44e-24	-5.33	ENSG00000131238	PPT1	chr1	-	40335374	40335962	no
1261	2.44e-24	-3.95	ENSG00000116604	MEF2D	chr1	-	154736902	154737244	no
1261	2.44e-24	-3.96	ENSG00000116604	MEF2D	chr1	-	154700143	154704715	yes,JnId_h_6005
1262	2.45e-24	-5.98	ENSG00000141644	MBD1	chr18	-	46047254	46048031	no
1263	2.56e-24	-7.54	ENSG00000070010	UFD1L	chr22	-	17817464	17818267	no
1264	2.64e-24	-2.32	ENSG00000149923	PPP4C	chr16	+	30003755	30004193	no
1265	2.67e-24	-2.08	ENSG00000124784	RIOK1	chr6	+	7346190	7346282	yes,JnId_h_66969
1265	2.67e-24	-8.6	ENSG00000124784	RIOK1	chr6	+	7362563	7363269	no
1266	3.14e-24	-2.33	ENSG00000184470	TXNRD2	chr22	-	18244563	18244757	yes,JnId_h_53341
1266	3.14e-24	-4.88	ENSG00000184470	TXNRD2	chr22	-	18243047	18243330	no
1267	3.16e-24	-4.51	ENSG00000134287	ARF3	chr12	-	47637360	47637577	no
1267	3.16e-24	-4.42	ENSG00000134287	ARF3	chr12	-	47616259	47619158	no
1268	3.17e-24	-2.26	ENSG00000182473	EXOC7	chr17	-	71611309	71611451	no
1268	3.17e-24	-6.68	ENSG00000182473	EXOC7	chr17	-	71598005	71598157	yes,JnId_h_37159
1268	3.17e-24	-2.5	ENSG00000182473	EXOC7	chr17	-	71588682	71591426	no
1269	3.26e-24	-3.8	ENSG00000137166	FOXP4	chr6	+	41622142	41622583	yes,JnId_h_68256
1269	3.26e-24	-2.71	ENSG00000137166	FOXP4	chr6	+	41674505	41678100	no
1270	3.35e-24	-4.75	ENSG00000100364	C22orf9	chr22	-	44015185	44015314	no
1270	3.35e-24	-5.56	ENSG00000100364	C22orf9	chr22	-	43966787	43971761	no
1271	3.39e-24	-2.74	ENSG00000204304	PBX2	chr6	-	32265450	32265941	no
1271	3.39e-24	-3.98	ENSG00000204304	PBX2	chr6	-	32262728	32263150	no
1272	3.44e-24	-5.73	ENSG00000160058	BSDC1	chr1	-	32603291	32606738	yes,JnId_h_2050
1273	3.51e-24	-2.95	ENSG00000100056	DGCR14	chr22	-	17512019	17512167	no
1273	3.51e-24	-2.14	ENSG00000100056	DGCR14	chr22	-	17510239	17510407	no
1273	3.51e-24	-2.37	ENSG00000100056	DGCR14	chr22	-	17510051	17510146	no
1273	3.51e-24	-9.17	ENSG00000100056	DGCR14	chr22	-	17500125	17501988	yes,JnId_h_53219
1274	3.74e-24	-2.02	ENSG00000122779	TRIM24	chr7	+	137795619	137796197	no
1274	3.74e-24	-2.42	ENSG00000122779	TRIM24	chr7	+	137919135	137919284	no

1274	3.74e-24	-3.44	ENSG00000122779	TRIM24	chr7	+	137920027	137920851	no
1275	3.87e-24	-3.82	ENSG00000160767	Clorf2	chr1	-	153483621	153484370	no
1276	4.04e-24	-6.09	ENSG00000090273	NUDC	chr1	+	27145208	27145940	no
1277	4.10e-24	-8.36	ENSG00000132849	INADL	chr1	+	62352313	62354965	yes,JnId_h_3582
1277	4.10e-24	-7.34	ENSG00000132849	INADL	chr1	+	62399168	62402180	no
1278	4.41e-24	-2.05	ENSG00000145147	SLIT2	chr4	+	20159778	20159849	no
1279	4.44e-24	-11.55	ENSG00000154553	PDLIM3	chr4	-	186670261	186672485	yes,JnId_h_63248
1280	5.11e-24	-2.54	ENSG00000137815	RTF1	chr15	+	39560071	39563043	no
1281	5.19e-24	-3.25	ENSG00000102393	GLA	chrX	-	100539453	100539743	no
1282	5.2e-24	-2.87	ENSG00000117385	LEPRE1	chr1	-	43000088	43000733	no
1282	5.2e-24	-4.43	ENSG00000117385	LEPRE1	chr1	-	42984633	42985670	yes,JnId_h_2620
1283	5.23e-24	-5.22	ENSG00000128039	Q9H8P0	chr4	+	55930756	55934020	no
1284	5.72e-24	-4.26	ENSG00000106628	POLD2	chr7	-	44121419	44121520	yes,JnId_b_57243
1284	5.72e-24	-11.81	ENSG00000106628	POLD2	chr7	-	44120812	44121069	no
1285	6.11e-24	-3.58	ENSG00000065600	Clorf75	chr1	-	210619860	210620002	no
1285	6.11e-24	-2.35	ENSG00000065600	Clorf75	chr1	-	210615158	210615265	no
1285	6.11e-24	-9.81	ENSG00000065600	Clorf75	chr1	-	210603896	210605341	no
1286	6.8e-24	-9.38	ENSG00000125741	OPA3	chr19	-	50722525	50724554	no
1287	7.00E-24	-2	ENSG00000109171	SLAIN2	chr4	+	48118785	48122825	no
1288	7.81e-24	-11.81	ENSG00000161981	C16orf33	chr16	+	43010	44058	no
1288	7.81e-24	-8.58	ENSG00000161981	C16orf33	chr16	+	47086	47443	no
1289	7.84e-24	-3.64	ENSG0000007047	MARK4	chr19	+	50459782	50460008	yes,JnId_h_42992
1289	7.84e-24	-3.08	ENSG0000007047	MARK4	chr19	+	50475673	50475832	yes,JnId_h_42994
1289	7.84e-24	-4.73	ENSG0000007047	MARK4	chr19	+	50497472	50500381	no
1290	7.92e-24	-2.49	ENSG00000173818	Q8N8Q3	chr17	+	76018168	76018737	no
1291	8.55e-24	-5.22	ENSG00000117335	CD46	chr1	+	206033487	206035481	no
1292	8.9e-24	-3.23	ENSG00000198732	SMOC1	chr14	+	69566712	69568836	yes,JnId_h_24347
1293	9.26e-24	-3.92	ENSG00000112029	FBXO5	chr6	-	153333353	153334242	no
1294	1.00e-23	-2.95	ENSG00000148690	C10orf4	chr10	-	95431227	95431345	no
1294	1.00e-23	-16.73	ENSG00000148690	C10orf4	chr10	-	95417630	95419615	no
1295	1.03e-23	-6.25	ENSG00000117713	ARID1A	chr1	+	26895111	26896618	no
1295	1.03e-23	-4.53	ENSG00000117713	ARID1A	chr1	+	26972424	26972574	no
1296	1.04e-23	-7.64	ENSG00000123143	PKN1	chr19	+	14405135	14405354	no
1296	1.04e-23	-3.16	ENSG00000123143	PKN1	chr19	+	14443393	14443678	no
1297	1.07e-23	-3.56	ENSG00000156599	ZDHHC5	chr11	+	57192050	57192235	no
1297	1.07e-23	-2.27	ENSG00000156599	ZDHHC5	chr11	+	57223914	57225235	no
1298	1.07e-23	-3.21	ENSG00000108946	PRKAR1A	chr17	+	64038013	64040503	no
1299	1.15e-23	-5.45	ENSG00000005436	C2orf3	chr2	-	75742802	75745417	no
1300	1.16e-23	-8.54	ENSG00000102974	CTCF	chr16	+	66153965	66154128	no
1300	1.16e-23	-6.22	ENSG00000102974	CTCF	chr16	+	66162552	66162668	no
1300	1.16e-23	-3.2	ENSG00000102974	CTCF	chr16	+	66202228	66203017	no
1300	1.16e-23	-5.02	ENSG00000102974	CTCF	chr16	+	66229092	66230584	yes,JnId_h_31139
1301	1.18e-23	-2.1	ENSG00000157927	A4D1Z5	chr7	-	4807810	4808152	no
1301	1.18e-23	-6.11	ENSG00000157927	A4D1Z5	chr7	-	4803212	4805640	no
1302	1.18e-23	-4.22	ENSG00000142453	CARM1	chr19	+	10843253	10843598	no
1302	1.18e-23	-2.99	ENSG00000142453	CARM1	chr19	+	10893051	10893119	yes,JnId_h_40674
1303	1.24e-23	-4.59	ENSG00000142166	IFNAR1	chr21	+	33649492	33654038	no
1304	1.29e-23	-3.31	ENSG00000130348	QRSL1	chr6	+	107207035	107208391	no
1304	1.29e-23	-2.57	ENSG00000130348	QRSL1	chr6	+	107220350	107222985	no
1305	1.35e-23	-7.62	ENSG00000132680	KIAA0907	chr1	-	154149458	154152379	"yes,JnId_b_4365;JnId_b_4367"
1306	1.36e-23	-2.7	ENSG000000053372	MRTO4	chr1	+	19450620	19450944	no
1306	1.36e-23	-2.38	ENSG000000053372	MRTO4	chr1	+	19457762	19459209	no
1307	1.42e-23	-4.18	ENSG00000086102	NFX1	chr9	+	33337661	33338360	no
1307	1.42e-23	-2.57	ENSG00000086102	NFX1	chr9	+	33341558	33341788	no
1307	1.42e-23	-8.06	ENSG00000086102	NFX1	chr9	+	33354706	33355281	no
1307	1.42e-23	-5.91	ENSG00000086102	NFX1	chr9	+	33359904	33361155	no
1308	1.55e-23	-3.15	ENSG00000134775	FHOD3	chr18	+	32543056	32545430	no
1309	1.71e-23	-2.25	ENSG00000172893	DHCR7	chr11	-	70823111	70824533	no
1310	1.86e-23	-2.31	ENSG00000065183	WDR3	chr1	+	118285896	118285993	yes,JnId_b_3649
1310	1.86e-23	-2.01	ENSG00000065183	WDR3	chr1	+	118301214	118301342	no
1310	1.86e-23	-3.2	ENSG00000065183	WDR3	chr1	+	118303056	118303149	no
1310	1.86e-23	-5.8	ENSG00000065183	WDR3	chr1	+	118303438	118304572	no
1311	2,00E-23	-3.98	ENSG00000001631	KRIT1	chr7	-	91712715	91713350	"yes,JnId_b_57919;JnId_b_57920;JnId_b_57920"
1311	2,00E-23	-2.06	ENSG00000001631	KRIT1	chr7	-	91711252	91711399	yes,JnId_h_72392

1311	2,00E-23	-7.26	ENSG0000001631	KRIT1	chr7	-	91666219	91668054	no
1312	2.03e-23	-7.11	ENSG00000149428	HYOU1	chr11	-	118433074	118433122	no
1312	2.03e-23	-2.26	ENSG00000149428	HYOU1	chr11	-	118432941	118433035	yes,JnId_h_16140
1313	2.15e-23	-4.21	ENSG00000115866	DARS	chr2	-	136380724	136381447	no
1314	2.27e-23	-2.91	ENSG00000160305	DIP2A	chr21	+	46786097	46786236	no
1314	2.27e-23	-3.1	ENSG00000160305	DIP2A	chr21	+	46791256	46791543	no
1314	2.27e-23	-7.29	ENSG00000160305	DIP2A	chr21	+	46797252	46798633	no
1315	2.41e-23	-2.56	ENSG00000125651	GTF2F1	chr19	-	6331915 6332053	no	
1315	2.41e-23	-2.48	ENSG00000125651	GTF2F1	chr19	-	6331584 6331701	no	
1315	2.41e-23	-4.58	ENSG00000125651	GTF2F1	chr19	-	6330746 6331496	no	
1316	2.51e-23	-6.11	ENSG00000105221	AKT2	chr19	-	45482928	45483036	no
1316	2.51e-23	-3.8	ENSG00000105221	AKT2	chr19	-	45430710	45431436	no
1316	2.51e-23	-6.02	ENSG00000105221	AKT2	chr19	-	45430084	45430613	no
1317	2.60e-23	-4.82	ENSG00000197912	SPG7	chr16	+	88116629	88117668	yes,JnId_h_32070
1317	2.60e-23	-3.53	ENSG00000197912	SPG7	chr16	+	88130674	88131629	no
1318	2.69e-23	-2.28	ENSG00000141456	no_name	chr17	-	4525622 4525928	no	
1318	2.69e-23	-2.62	ENSG00000141456	no_name	chr17	-	4525318 4525619	no	
1318	2.69e-23	-2.55	ENSG00000141456	no_name	chr17	-	4521437 4521575	no	
1319	2.72e-23	-3.61	ENSG00000037637	FBXO42	chr1	-	16445921	16450867	no
1320	2.72e-23	-6.02	ENSG00000111011	RSRC2	chr12	-	121555226	121556206	no
1321	3.08e-23	-2.63	ENSG00000100991	TRPC4AP	chr20	-	33144078	33144279	no
1322	3.33e-23	-4.8	ENSG00000156171	TMEM77	chr1	-	111483646	111484344	no
1322	3.33e-23	-8.87	ENSG00000156171	TMEM77	chr1	-	111461478	111462412	no
1323	3.39e-23	-2.66	ENSG00000088812	ATRN	chr20	+	3575370 3579760	no	
1324	4,00E-23	-10.42	ENSG00000065029	ZNF76	chr6	+	35334737	35335141	no
1324	4,00E-23	-5.8	ENSG00000065029	ZNF76	chr6	+	35370899	35371740	no
1325	4.3e-23	-4.51	ENSG00000119041	GTF3C3	chr2	-	197358410	197358557	no
1325	4.3e-23	-3.97	ENSG00000119041	GTF3C3	chr2	-	197339534	197339686	no
1325	4.3e-23	-14.52	ENSG00000119041	GTF3C3	chr2	-	197336917	197337654	no
1326	4.56e-23	-5.57	ENSG00000120526	NUDCD1	chr8	-	110322325	110324706	no
1327	4.72e-23	-2.86	ENSG00000108064	TFAM	chr10	+	59824694	59828987	no
1328	4.82e-23	-2.25	ENSG00000105819	PMPCB	chr7	+	102739326	102739411	no
1328	4.82e-23	-2	ENSG00000105819	PMPCB	chr7	+	102739491	102739579	no
1328	4.82e-23	-2.12	ENSG00000105819	PMPCB	chr7	+	102739739	102739814	no
1328	4.82e-23	-5.1	ENSG00000105819	PMPCB	chr7	+	102739890	102740242	no
1329	5.16e-23	-3.2	ENSG00000159399	HK2	chr2	+	74913290	74915278	no
1330	5.17e-23	-2.88	ENSG00000137996	RTCD1	chr1	+	100504668	100505073	no
1330	5.17e-23	-5.35	ENSG00000137996	RTCD1	chr1	+	100529547	100530913	no
1331	5.18e-23	-3.79	ENSG00000149480	MTA2	chr11	-	62125471	62125879	no
1331	5.18e-23	-3.04	ENSG00000149480	MTA2	chr11	-	62122375	62122438	no
1331	5.18e-23	-3.33	ENSG00000149480	MTA2	chr11	-	62117251	62118088	no
1332	5.39e-23	-2.21	ENSG00000162194	C11orf48	chr11	-	62191571	62191795	yes,JnId_b_10430
1333	5.43e-23	-3.65	ENSG00000166986	MARS	chr12	+	56167987	56168249	yes,JnId_b_14581
1333	5.43e-23	-2.76	ENSG00000166986	MARS	chr12	+	56169069	56169159	yes,JnId_b_14581
1333	5.43e-23	-2.47	ENSG00000166986	MARS	chr12	+	56196295	56196387	no
1333	5.43e-23	-5.98	ENSG00000166986	MARS	chr12	+	56196485	56196699	no
1334	5.48e-23	-2.1	ENSG00000176894	PGAM5	chr12	+	131805421	131805819	no
1335	5.49e-23	-2.33	ENSG00000103197	TSC2	chr16	+	2037991 2038067	yes,JnId_b_22609	
1335	5.49e-23	-2.47	ENSG00000103197	TSC2	chr16	+	2054274 2054429	"yes,JnId_b_22609;JnId_b_22618"	
1335	5.49e-23	-4.02	ENSG00000103197	TSC2	chr16	+	2078448 2078713	no	
1336	5.58e-23	-2.17	ENSG00000197195	CHURC1	chr14	+	64468609	64471666	yes,JnId_h_24143
1337	5.9e-23	-3.74	ENSG00000069329	VPS35	chr16	-	45251095	45252064	no
1338	5.99e-23	-2.26	ENSG00000184575	XPOT	chr12	+	63128152	63128728	no
1339	6.3e-23	-4.22	ENSG00000149357	C11orf59	chr11	-	71491877	71492081	no
1340	7.46e-23	-3.62	ENSG00000078061	ARAF	chrX	+	47309595	47310025	yes,JnId_h_81067
1340	7.46e-23	-2.76	ENSG00000078061	ARAF	chrX	+	47315666	47316249	yes,JnId_h_81079
1341	7.97e-23	-3.8	ENSG00000107758	PPP3CB	chr10	-	74873544	74874586	no
1341	7.97e-23	-2.66	ENSG00000107758	PPP3CB	chr10	-	74866192	74868184	no
1342	8.47e-23	-2.45	ENSG00000159596	TMEM69	chr1	+	45925473	45926534	no
1343	8.48e-23	-8.72	ENSG00000116752	BCAS2	chr1	-	114911701	114912400	no
1344	8.57e-23	-2.13	ENSG00000068793	CYFIP1	chr15	+	20549865	20549959	yes,JnId_h_25616
1344	8.57e-23	-3.53	ENSG00000068793	CYFIP1	chr15	+	20554317	20555043	no
1345	8.6e-23	-2.17	ENSG00000189367	C6orf174	chr6	-	127812828	127814054	no
1345	8.6e-23	-3.16	ENSG00000189367	C6orf174	chr6	-	127803181	127807120	no

1346	8.63e-23	-4.27	ENSG00000158623	TSGA13	chr7	-	130004012	130004563	no
1346	8.63e-23	-2.63	ENSG00000158623	TSGA13	chr7	-	129934762	129934900	no
1346	8.63e-23	-3.72	ENSG00000158623	TSGA13	chr7	-	129933318	129933883	no
1347	9.76e-23	-3.8	ENSG00000184058	TBX1	chr22	+	18128428	18128803	no
1347	9.76e-23	-2.73	ENSG00000184058	TBX1	chr22	+	18133912	18134855	no
1348	9.84e-23	-4.9	ENSG00000144048	DUSP11	chr2	-	73842841	73843494	no
1349	9.85e-23	-2.28	ENSG00000165629	ATP5C1	chr10	+	7889628 7889784	no	
1350	1.07e-22	-2.56	ENSG00000112592	TBP	chr6	+	170720625	170720792	no
1350	1.07e-22	-4.67	ENSG00000112592	TBP	chr6	+	170723199	170723871	no
1351	1.07e-22	-2.32	ENSG00000157500	APPL1	chr3	+	57278609	57282536	no
1352	1.12e-22	-2.71	ENSG00000117523	BAT2D1	chr1	+	169820182	169820289	yes,JnId_h_6515
1352	1.12e-22	-2.98	ENSG00000117523	BAT2D1	chr1	+	169827349	169829273	yes,JnId_h_6546
1353	1.17e-22	-5.44	ENSG00000198721	PECI	chr6	-	4060922 4061262	no	
1354	1.27e-22	-3.91	ENSG00000132388	UBE2G1	chr17	-	4119261 4122560	no	
1355	1.28e-22	-2.82	ENSG00000134077	THUMPD3	chr3	+	9401208 9403475	no	
1356	1.29e-22	-4.1	ENSG00000198898	CAPZA2	chr7	+	116289799	116289940	no
1356	1.29e-22	-5.35	ENSG00000198898	CAPZA2	chr7	+	116345017	116346548	no
1357	1.32e-22	-2.56	ENSG00000140948	ZCCHC14	chr16	-	85998785	86001442	no
1357	1.32e-22	-5.97	ENSG00000140948	ZCCHC14	chr16	-	85997378	85998121	no
1358	1.36e-22	-2.58	ENSG00000204525	HLA-C	chr6	-	31347755	31347914	no
1358	1.36e-22	-2.52	ENSG00000204525	HLA-C	chr6	-	31344499	31344929	no
1359	1.38e-22	-9.19	ENSG00000091527	CDV3	chr3	+	134775264	134775818	no
1359	1.38e-22	-7.16	ENSG00000091527	CDV3	chr3	+	134789430	134791794	yes,JnId_h_59174
1360	1.39e-22	-5.69	ENSG00000110619	CARS	chr11	-	3025559 3025808	yes,JnId_b_9118	
1360	1.39e-22	-3.77	ENSG00000110619	CARS	chr11	-	2978736 2979054	no	
1361	1.46e-22	-3.78	ENSG00000135473	USP52	chr12	-	54996988	54997694	no
1362	1.49e-22	-4.31	ENSG00000123374	CDK2	chr12	+	54651572	54652832	no
1363	1.61e-22	-21.08	ENSG00000204084	INPP5B	chr1	-	38166796	38170312	no
1363	1.61e-22	-11.24	ENSG00000204084	INPP5B	chr1	-	38098956	38100689	no
1364	1.61e-22	-3.92	ENSG00000147874	FAM29A	chr9	-	19046616	19048999	no
1364	1.61e-22	-4.07	ENSG00000147874	FAM29A	chr9	-	19043141	19046402	no
1365	1.66e-22	-8.25	ENSG00000176986	SEC24C	chr10	+	75200044	75200562	yes,JnId_h_10013
1365	1.66e-22	-6.25	ENSG00000176986	SEC24C	chr10	+	75200719	75201925	no
1366	1.74e-22	-6.98	ENSG00000086475	SEPHS1	chr10	-	13430006	13430303	yes,JnId_b_6645
1366	1.74e-22	-6.23	ENSG00000086475	SEPHS1	chr10	-	13399430	13401362	no
1367	1.87e-22	-8.16	ENSG00000121486	Clorf25	chr1	-	183387580	183388839	no
1367	1.87e-22	-4.21	ENSG00000121486	Clorf25	chr1	-	183353853	183356026	no
1368	1.92e-22	-4.96	ENSG00000101144	BMP7	chr20	-	55274168	55275091	no
1368	1.92e-22	-5.59	ENSG00000101144	BMP7	chr20	-	55177211	55179571	no
1369	1.95e-22	-3.21	ENSG00000072042	RDH11	chr14	-	67213274	67214893	no
1370	2.02e-22	-3.29	ENSG00000184117	NIPSNAP1	chr22	-	28306974	28307244	no
1371	2.1e-22	-7.17	ENSG00000160271	RALGDS	chr9	-	135014171	135014542	no
1371	2.1e-22	-4.71	ENSG00000160271	RALGDS	chr9	-	134986180	134986384	yes,JnId_h_79909
1371	2.1e-22	-2.05	ENSG00000160271	RALGDS	chr9	-	134962928	134963970	no
1371	2.1e-22	-5.18	ENSG00000160789	LMNA	chr1	+	154375495	154376504	no
1373	2.41e-22	-2.48	ENSG00000040275	CCDC99	chr5	+	168947976	168948157	yes,JnId_h_66244
1373	2.41e-22	-4.42	ENSG00000040275	CCDC99	chr5	+	168958058	168958161	no
1373	2.41e-22	-8.56	ENSG00000040275	CCDC99	chr5	+	168963642	168964357	no
1374	2.43e-22	-3.51	ENSG00000132478	UNK	chr17	+	71331938	71333474	no
1375	2.53e-22	-2.95	ENSG00000139842	CUL4A	chr13	+	112911448	112912090	yes,JnId_b_17869
1375	2.53e-22	-2.37	ENSG00000139842	CUL4A	chr13	+	112965802	112967400	no
1376	2.54e-22	-2.97	ENSG00000129197	RPAIN	chr17	+	5263685 5264335	no	
1377	2.55e-22	-3.75	ENSG00000107643	MAPK8	chr10	+	49312928	49317409	no
1378	2.89e-22	-8.09	ENSG00000156313	RPGR	chrX	-	38028646	38032238	yes,JnId_h_80784
1378	2.89e-22	-3.85	ENSG00000063046	EIF4B	chr12	+	51719289	51719394	no
1380	2.97e-22	-2.82	ENSG00000130725	UBE2M	chr19	-	63761452	63762147	no
1381	3.13e-22	-19.03	ENSG00000158604	TMED4	chr7	-	44584021	44585752	yes,JnId_h_71722
1382	3.18e-22	-2.24	ENSG00000109472	CPE	chr4	+	166638114	166638908	no
1383	3.33e-22	-4.43	ENSG00000064607	SFRS14	chr19	-	18966175	18967089	yes,JnId_b_33298
1384	3.38e-22	-2.09	ENSG00000007168	PAFAH1B1	chr17	+	2531773	2535638	no
1385	3.62e-22	-4.03	ENSG00000198793	FRAP1	chr1	-	11113173	11114202	no
1385	3.62e-22	-3.11	ENSG00000198793	FRAP1	chr1	-	11092293	11092373	no
1385	3.62e-22	-3.11	ENSG00000198793	FRAP1	chr1	-	11091934	11092014	no
1385	3.62e-22	-2.52	ENSG00000198793	FRAP1	chr1	-	11089179	11090144	no

1386	3.69e-22	-2.94	ENSG00000196924	FLNA	chrX	-	153252435	153252923	yes,JnId_h_83059
1386	3.69e-22	-2.14	ENSG00000196924	FLNA	chrX	-	153248124	153248201	"yes,JnId_h_83025;JnId_h_83026;JnId_h_83042;JnId_h_83050"
1386	3.69e-22	-2.36	ENSG00000196924	FLNA	chrX	-	153234115	153234237	"yes,JnId_h_83005;JnId_h_83008;JnId_h_83010"
1386	3.69e-22	-2.06	ENSG00000196924	FLNA	chrX	-	153230924	153231127	no
1387	3.82e-22	-2.6	ENSG00000074319	TSG101	chr11	-	18459753	18459992	no
1387	3.82e-22	-7.72	ENSG00000074319	TSG101	chr11	-	18458438	18458758	no
1388	3.85e-22	-6.19	ENSG00000116786	PLEKHM2	chr1	+	15883414	15883700	no
1388	3.85e-22	-4.46	ENSG00000116786	PLEKHM2	chr1	+	15932879	15933851	no
1389	3.89e-22	-4.3	ENSG00000104969	SGTA	chr19	-	2734231 2734354	no	
1390	4.12e-22	-5.52	ENSG00000159069	FBXW5	chr9	-	138954709	138955444	no
1391	4.18e-22	-2.54	ENSG00000135047	CTSL1	chr9	+	89530254	89531133	yes,JnId_h_78017
1392	4.33e-22	-2.13	ENSG00000116830	TTF2	chr1	+	117404600	117404702	no
1392	4.33e-22	-5.14	ENSG00000116830	TTF2	chr1	+	117445525	117447015	no
1393	4.37e-22	-3	ENSG00000114098	ARMC8	chr3	+	139446620	139448418	no
1393	4.37e-22	-2.94	ENSG00000114098	ARMC8	chr3	+	139497391	139498909	no
1394	4.63e-22	-2.17	ENSG00000188690	UROS	chr10	-	127485709	127486046	no
1395	4.73e-22	-4.44	ENSG00000173171	MTX1	chr1	+	153445114	153445747	no
1396	4.85e-22	-5.63	ENSG00000078403	MLLT10	chr10	+	21863100	21863455	no
1396	4.85e-22	-2.33	ENSG00000078403	MLLT10	chr10	+	22070874	22072565	no
1397	5.67e-22	-4.18	ENSG00000124802	EEF1E1	chr6	-	8024629 8025262	no	
1398	6.01e-22	-2.44	ENSG00000117758	STX12	chr1	+	27972281	27972523	no
1398	6.01e-22	-4.38	ENSG00000117758	STX12	chr1	+	28021329	28023550	no
1399	6.05e-22	-3.23	ENSG00000185963	BICD2	chr9	-	94513466	94517566	yes,JnId_b_62630
1400	6.29e-22	-2.16	ENSG00000141279	NPEPPS	chr17	+	43054133	43055634	no
1401	6.38e-22	-2.75	ENSG00000172780	RAB43	chr3	-	130289108	130292879	no
1402	6.41e-22	-9.31	ENSG00000174238	PITPNA	chr17	-	1412585 1412835	yes,JnId_h_32337	
1402	6.41e-22	-3.78	ENSG00000174238	PITPNA	chr17	-	1368037 1370582	no	
1403	7.12e-22	-4.8	ENSG00000117614	SYF2	chr1	-	25421759	25422509	no
1404	7.17e-22	-3.68	ENSG00000104728	ARHGEF10	chr8	+	1861950 1863075	no	
1405	7.31e-22	-3.09	ENSG00000147548	WHSC1L1	chr8	-	38293092	38294713	yes,JnId_h_74996
1406	7.38e-22	-5.09	ENSG00000140455	USP3	chr15	+	61669913	61673891	no
1407	7.53e-22	-3.98	ENSG00000115254	XAB1	chr2	+	27726486	27727879	no
1408	7.94e-22	-16.2	ENSG00000159335	PTMS	chr12	+	6745802 6746177	no	
1409	8.36e-22	-2.76	ENSG00000006453	BAIAP2L1	chr7	-	97868050	97868316	no
1409	8.36e-22	-2.14	ENSG00000006453	BAIAP2L1	chr7	-	97760007	97760844	no
1410	8.92e-22	-7.24	ENSG00000157837	Q53EP9	chr12	-	119826031	119826534	no
1410	8.92e-22	-2.89	ENSG00000157837	Q53EP9	chr12	-	119713655	119713743	no
1410	8.92e-22	-9.77	ENSG00000157837	Q53EP9	chr12	-	119685419	119687256	no
1411	8.96e-22	-2.03	ENSG00000106009	C7orf27	chr7	-	2548280 2550122	"yes,JnId_h_70965;JnId_h_70966;JnId_h_70966"	
1412	8.97e-22	-3.47	ENSG00000113658	SMAD5	chr5	+	135540987	135546321	no
1413	9.15e-22	-2.39	ENSG00000135776	ABCB10	chr1	-	227760506	227761065	no
1413	9.15e-22	-2.67	ENSG00000135776	ABCB10	chr1	-	227718952	227720780	no
1414	9.16e-22	-6.02	ENSG00000072319	ALG13	chrX	+	110817771	110818684	yes,JnId_h_82216
1415	9.58e-22	-2.68	ENSG00000125484	GTF3C4	chr9	+	134554089	134560163	no
1416	1.04e-21	-2.28	ENSG00000122515	ZMIZ2	chr7	+	44773640	44776002	yes,JnId_h_71764
1417	1.07e-21	-4.09	ENSG00000038358	EDC4	chr16	+	66464500	66464747	no
1417	1.07e-21	-2.65	ENSG00000038358	EDC4	chr16	+	66469940	66470035	no
1417	1.07e-21	-4.29	ENSG00000038358	EDC4	chr16	+	66474972	66475135	no
1417	1.07e-21	-4.88	ENSG00000038358	EDC4	chr16	+	66475360	66475906	no
1418	1.09e-21	-4.2	ENSG00000106028	SSBP1	chr7	+	141096580	141096725	no
1419	1.10e-21	-9.18	ENSG00000128595	CALU	chr7	+	128181819	128182012	yes,JnId_h_73372
1419	1.10e-21	-2.49	ENSG00000128595	CALU	chr7	+	128196353	128198763	no
1420	1.13e-21	-2.03	ENSG00000047410	TPR	chr1	-	184610633	184611080	no
1420	1.13e-21	-4.14	ENSG00000047410	TPR	chr1	-	184550384	184550479	no
1421	1.23e-21	-2.57	ENSG00000173575	CHD2	chr15	+	91300693	91300883	yes,JnId_b_22181
1421	1.23e-21	-6.45	ENSG00000173575	CHD2	chr15	+	91364246	91366396	no
1422	1.33e-21	-2.41	ENSG00000134291	TMEM106C	chr12	+	46643670 46643754	yes,JnId_h_17668	
1423	1.59e-21	-3.58	ENSG00000084754	HADHA	chr2	-	26320902	26321098	no
1423	1.59e-21	-4.5	ENSG00000084754	HADHA	chr2	-	26315306	26315376	no
1424	1.63e-21	-2.66	ENSG00000119487	MAPKAP1	chr9	-	127239494	127241112	no
1425	1.74e-21	-4.23	ENSG00000100804	PSMB5	chr14	-	22564900	22565424	no
1426	1.82e-21	-2.62	ENSG00000119333	WDR34	chr9	-	130458641	130458950	no
1426	1.82e-21	-2.41	ENSG00000119333	WDR34	chr9	-	130435761	130436082	no
1427	1.99e-21	-2.51	ENSG00000112306	RPS12	chr6	+	133180312	133180396	no

1428	2.19e-21	-5.11	ENSG00000172845	SP3	chr2	-	174481505	174483231	no
1429	2.22e-21	-2.67	ENSG00000166136	NDUFB8	chr10	-	102273487	102273676	no
1430	2.25e-21	-2.74	ENSG00000099817	POLR2E	chr19	-	1046258	1046314	no
1430	2.25e-21	-2.33	ENSG00000099817	POLR2E	chr19	-	1039166	1039719	no
1431	2.26e-21	-3.85	ENSG00000183520	UTP11L	chr1	+	38261804	38263083	no
1432	2.36e-21	-7.23	ENSG00000116906	GNPAT	chr1	+	229479868	229480342	no
1433	2.42e-21	-2.29	ENSG00000055208	MAP3K7IP2	chr6	+	149772406	149774442	no
1434	2.5e-21	-3.2	ENSG00000112290	WASF1	chr6	-	110606494	110606638	"yes,JnId_h_69608;JnId_h_69609"
1435	2.54e-21	-10.29	ENSG00000115207	GTF3C2	chr2	-	27433110	27433372	yes,JnId_h_44887
1435	2.54e-21	-2.81	ENSG00000115207	GTF3C2	chr2	-	27404839	27404967	yes,JnId_h_44868
1435	2.54e-21	-3.03	ENSG00000115207	GTF3C2	chr2	-	27402220	27403264	no
1436	2.66e-21	-2.4	ENSG00000034713	GABARAPL2	chr16	+	74168678	74169279	no
1437	2.7e-21	-4.05	ENSG00000135506	Q9BR60	chr12	+	56400149	56400313	"yes,JnId_h_18776;JnId_h_18782"
1438	3.01e-21	-3.93	ENSG00000108039	XPNPEP1	chr10	-	111673150	111673259	yes,JnId_h_11278
1438	3.01e-21	-3.07	ENSG00000108039	XPNPEP1	chr10	-	111664759	111664847	yes,JnId_h_11277
1438	3.01e-21	-3.72	ENSG00000108039	XPNPEP1	chr10	-	111619701	111619777	no
1438	3.01e-21	-5.04	ENSG00000108039	XPNPEP1	chr10	-	111614514	111615060	no
1439	3.12e-21	-2.53	ENSG00000164163	ABCE1	chr4	+	146260534	146260755	no
1439	3.12e-21	-2.96	ENSG00000164163	ABCE1	chr4	+	146268128	146269781	no
1440	3.14e-21	-7.17	ENSG00000171298	GAA	chr17	+	75689877	75690284	"yes,JnId_h_37383;JnId_h_37385"
1441	3.18e-21	-6.7	ENSG00000146909	NOM1	chr7	+	156454984	156458634	no
1442	3.18e-21	-2.73	ENSG00000102531	FNDC3A	chr13	+	48448051	48448314	yes,JnId_h_21835
1442	3.18e-21	-3.43	ENSG00000102531	FNDC3A	chr13	+	48478289	48478426	yes,JnId_h_21835
1442	3.18e-21	-6.89	ENSG00000102531	FNDC3A	chr13	+	48617915	48618984	no
1442	3.18e-21	-2.3	ENSG00000102531	FNDC3A	chr13	+	48640750	48640888	yes,JnId_h_21841
1442	3.18e-21	-2.79	ENSG00000102531	FNDC3A	chr13	+	48679218	48681729	no
1443	3.35e-21	-2.09	ENSG00000182871	COL18A1	chr21	+	45756530	45758061	no
1444	3.36e-21	-5.82	ENSG00000126005	ITGB4BP	chr20	-	33335943	33336202	no
1444	3.36e-21	-2.87	ENSG00000126005	ITGB4BP	chr20	-	33335393	33335932	yes,JnId_h_50903
1445	3.44e-21	-2.07	ENSG00000049656	CLPTM1L	chr5	-	1387404	1387498	no
1445	3.44e-21	-2.72	ENSG00000049656	CLPTM1L	chr5	-	1370983	1371568	no
1446	3.49e-21	-3.24	ENSG00000185344	ATP6V0A2	chr12	+	122762818	122763182	no
1446	3.49e-21	-6.23	ENSG00000185344	ATP6V0A2	chr12	+	122808427	122810394	no
1447	3.59e-21	-4.39	ENSG00000155827	RNF20	chr9	+	103364349	103365447	no
1448	3.81e-21	-4.01	ENSG00000065526	SPEN	chr1	+	16046946	16047232	no
1448	3.81e-21	-4.82	ENSG00000065526	SPEN	chr1	+	16073197	16073477	yes,JnId_b_730
1449	4.10e-21	-9.83	ENSG00000040341	STAU2	chr8	-	74624393	74627108	no
1449	4.10e-21	-17.07	ENSG00000040341	STAU2	chr8	-	74495160	74496254	no
1450	4.45e-21	-8.58	ENSG00000184216	IRAK1	chrX	-	152938322	152938625	no
1450	4.45e-21	-2.78	ENSG00000184216	IRAK1	chrX	-	152929145	152930562	no
1451	4.96e-21	-7.2	ENSG00000114166	PCAF	chr3	+	20056528	20057276	no
1451	4.96e-21	-5.58	ENSG00000114166	PCAF	chr3	+	20168828	20170887	no
1452	4.99e-21	-2.16	ENSG00000131242	RAB11FIP4	chr17	+	26742768	26743155	no
1452	4.99e-21	-2.62	ENSG00000131242	RAB11FIP4	chr17	+	26882754	26889352	no
1453	5.19e-21	-3.04	ENSG00000198408	MGEA5	chr10	-	103546793	103547901	no
1454	5.43e-21	-2.41	ENSG00000088325	TPX2	chr20	+	29790565	29791085	"yes,JnId_b_40656;JnId_b_40657"
1454	5.43e-21	-2.08	ENSG00000088325	TPX2	chr20	+	29852434	29853264	no
1455	5.62e-21	-3	ENSG00000103507	BCKDK	chr16	+	31030691	31031611	yes,JnId_h_30409
1456	5.64e-21	-2.77	ENSG00000111247	RAD51AP1	chr12	+	4538284	4539475	no
1457	5.8e-21	-2.21	ENSG00000204120	TNRC15	chr2	+	233333434	233333545	no
1457	5.8e-21	-3.23	ENSG00000204120	TNRC15	chr2	+	233429747	233431562	no
1458	6.28e-21	-2.77	ENSG00000077782	FGFR1	chr8	-	38444656	38445296	no
1458	6.28e-21	-2.01	ENSG00000077782	FGFR1	chr8	-	38389406	38390479	no
1459	6.61e-21	-4.28	ENSG00000100243	CYB5R3	chr22	-	41375245	41375349	no
1459	6.61e-21	-2.69	ENSG00000100243	CYB5R3	chr22	-	41362665	41362796	yes,JnId_b_44123
1460	6.89e-21	-2.8	ENSG00000158290	CUL4B	chrX	-	119575807	119575922	no
1460	6.89e-21	-6.41	ENSG00000158290	CUL4B	chrX	-	119542492	119544739	no
1461	7.26e-21	-2.75	ENSG00000204856	C12orf24	chr12	+	109412207	109412553	no
1462	7.55e-21	-8.71	ENSG00000122705	CLTA	chr9	+	36201600	36202056	no
1463	8.13e-21	-6.97	ENSG00000131013	PPIL4	chr6	-	149880183	149880693	no
1463	8.13e-21	-4.57	ENSG00000131013	PPIL4	chr6	-	149867324	149868533	no
1464	8.32e-21	-4.17	ENSG00000184840	TMED9	chr5	+	176954874	176955700	no
1465	8.97e-21	-4.78	ENSG00000033170	FUT8	chr14	+	64947063	64948464	no
1465	8.97e-21	-3.14	ENSG00000033170	FUT8	chr14	+	64949288	64949685	no

1465	8.97e-21	-2.61	ENSG00000033170	FUT8	chr14	+	65278564	65279714	no	
1466	9.53e-21	-4.08	ENSG00000122417	ODF2L	chr1	-	86585095	86590479	yes,JnId_h_4082	
1467	9.58e-21	-4.55	ENSG00000091140	DLD	chr7	+	107346875	107347645	no	
1468	9.6e-21	-3.24	ENSG00000185920	PTCH1	chr9	-	97310264	97310652	no	
1468	9.6e-21	-7.49	ENSG00000185920	PTCH1	chr9	-	97251944	97255723	yes,JnId_h_78246	
1468	9.6e-21	-3.6	ENSG00000185920	PTCH1	chr9	-	97245083	97248494	no	
1469	9.6e-21	-2.45	ENSG00000136715	SAP130	chr2	-	128501984	128502103	no	
1469	9.6e-21	-2.04	ENSG00000136715	SAP130	chr2	-	128452029	128452133	yes,JnId_h_47479	
1469	9.6e-21	-4.1	ENSG00000136715	SAP130	chr2	-	128415267	128416208	no	
1470	1.12e-20	-4.37	ENSG00000167881	SRP68	chr17	-	71579984	71580202	no	
1470	1.12e-20	-3.62	ENSG00000167881	SRP68	chr17	-	71552968	71553062	yes,JnId_h_37133	
1471	1.14e-20	-3.45	ENSG00000101911	PRPS2	chrX	+	12738062	12738409	no	
1471	1.14e-20	-2.35	ENSG00000101911	PRPS2	chrX	+	12750744	12752262	no	
1472	1.16e-20	-2.79	ENSG00000123178	C13orf1	chr13	-	49384843	49387297	no	
1473	1.17e-20	-2.1	ENSG00000153037	SRP19	chr5	+	112231000	112231988	no	
1474	1.21e-20	-22.72	ENSG00000205670	C21orf51	chr21	+	34693879	34694067	no	no
1475	1.21e-20	-2.74	ENSG00000131462	TUBG1	chr17	+	38020040	38020201	no	
1476	1.24e-20	-2.68	ENSG0000013563	DNASE1L1	chrX	-	153290948	153291569	no	
1476	1.24e-20	-4.68	ENSG0000013563	DNASE1L1	chrX	-	153290088	153290808	no	
1477	1.42e-20	-2.06	ENSG00000102858	MGRN1	chr16	+	4614870	4615050	no	
1478	1.51e-20	-2.43	ENSG00000140416	TPM1	chr15	+	61121891	61122195	no	
1478	1.51e-20	-2.63	ENSG00000140416	TPM1	chr15	+	61149122	61151164	no	
1479	1.52e-20	-3.96	ENSG00000108786	HSD17B1	chr17	+	37954758	37958574	no	
1480	1.56e-20	-7.93	ENSG00000129292	PHF20L1	chr8	+	133892473	133894619	no	
1480	1.56e-20	-5.54	ENSG00000129292	PHF20L1	chr8	+	133906462	133906756	yes,JnId_h_76371	
1481	1.60e-20	-3.66	ENSG00000072401	UBE2D1	chr10	+	59798486	59800515	no	
1482	1.87e-20	-2.92	ENSG00000140400	MAN2C1	chr15	-	73447877	73447994	no	
1482	1.87e-20	-2.62	ENSG00000140400	MAN2C1	chr15	-	73445916	73445986	no	
1482	1.87e-20	-2.52	ENSG00000140400	MAN2C1	chr15	-	73435681	73435843	yes,JnId_h_27454	
1482	1.87e-20	-3.7	ENSG00000140400	MAN2C1	chr15	-	73435504	73435613	no	
1482	1.87e-20	-5.94	ENSG00000140400	MAN2C1	chr15	-	73435186	73435426	no	
1483	1.92e-20	-2.43	ENSG00000204356	RDBP	chr6	-	32027844	32028154	no	
1484	2.02e-20	-3.29	ENSG00000013374	NUB1	chr7	+	150702116	150702262	no	
1484	2.02e-20	-3.39	ENSG00000013374	NUB1	chr7	+	150705066	150706463	no	
1485	2.15e-20	-5.37	ENSG00000149257	SERPINH1	chr11	+	74960474	74961473	no	
1486	2.2e-20	-3.05	ENSG00000100345	MYH9	chr22	-	35047749	35047812	yes,JnId_h_54298	
1486	2.2e-20	-2.16	ENSG00000100345	MYH9	chr22	-	35026119	35026256	"yes,JnId_b_43522;JnId_b_43531"	
1486	2.2e-20	-2.7	ENSG00000100345	MYH9	chr22	-	35007273	35008777	no	
1487	2.31e-20	-3.72	ENSG00000105676	ARMC6	chr19	+	19005538	19005739	yes,JnId_h_41687	
1487	2.31e-20	-2.57	ENSG00000105676	ARMC6	chr19	+	19027600	19027737	yes,JnId_h_41695	
1487	2.31e-20	-3.4	ENSG00000105676	ARMC6	chr19	+	19029225	19029985	yes,JnId_h_41696	
1488	2.44e-20	-2.15	ENSG00000125520	SLC2A4RG	chr20	+	61844676	61845846	no	
1489	2.66e-20	-2.23	ENSG00000026036	TNFRSF6B	chr20	+	61800077	61800495	no	
1490	2.71e-20	-2.79	ENSG00000173848	NET1	chr10	+	5444514	5444783	no	
1490	2.71e-20	-2.38	ENSG00000173848	NET1	chr10	+	5488551	5490426	no	
1491	2.72e-20	-57.61	ENSG00000101363	MANBAL	chr20	+	35358713	35359351	"yes,JnId_h_51123;JnId_h_51124"	
1492	2.73e-20	-3.88	ENSG00000175826	DULLARD	chr17	-	7096008	7096124	no	
1493	2.91e-20	-2.5	ENSG00000113269	RNF130	chr5	-	179431062	179431715	no	
1493	2.91e-20	-3.39	ENSG00000113269	RNF130	chr5	-	179315111	179315275	no	
1494	3.08e-20	-3.36	ENSG00000116489	CAPZA1	chr1	+	112963306	112964028	no	
1494	3.08e-20	-2.18	ENSG00000116489	CAPZA1	chr1	+	113014137	113015757	no	
1495	3.1e-20	-3.04	ENSG00000005100	DHX33	chr17	-	5284956	5288557	no	
1496	3.16e-20	-2.32	ENSG00000111897	SERINC1	chr6	-	122806195	122808023	no	
1497	3.22e-20	-4.61	ENSG00000153201	RANBP2	chr2	+	108766484	108767683	no	
1498	3.26e-20	-10.91	ENSG00000138386	NAB1	chr2	+	191263216	191265734	no	
1499	3.29e-20	-8.03	ENSG00000038002	AGA	chr4	-	178588918	178589956	no	
1500	3.34e-20	-2.94	ENSG00000046647	GEMIN8	chrX	-	13954092	13956446	no	
1501	3.43e-20	-2.3	ENSG00000134851	TMEM165	chr4	+	55956837	55957320	no	
1501	3.43e-20	-7.31	ENSG00000134851	TMEM165	chr4	+	55986300	55987099	no	
1502	3.56e-20	-3.59	ENSG00000168924	LETM1	chr4	-	1827394	1827772	no	
1502	3.56e-20	-2.33	ENSG00000168924	LETM1	chr4	-	1797089	1797208	no	
1502	3.56e-20	-2.54	ENSG00000168924	LETM1	chr4	-	1783004	1786098	no	
1503	3.61e-20	-9.14	ENSG00000100219	XBP1	chr22	-	27526286	27526560	yes,JnId_h_53850	
1503	3.61e-20	-11.08	ENSG00000100219	XBP1	chr22	-	27520549	27521720	no	

1504	3.92e-20	-2.35	ENSG00000104853	CLPTM1	chr19	+	50150477	50150564	no
1505	3.97e-20	-2.48	ENSG00000108179	PPIF	chr10	+	80777226	80777505	no
1506	4.03e-20	-2.92	ENSG00000132254	ARFIP2	chr11	-	6459037	6459171	yes,JnId_h_12337
1506	4.03e-20	-3.16	ENSG00000132254	ARFIP2	chr11	-	6453504	6455074	no
1507	4.27e-20	-2.48	ENSG00000205250	E2F4	chr16	+	65783569	65783766	no
1508	4.3e-20	-3.01	ENSG00000111445	RFC5	chr12	+	116941260	116941324	no
1508	4.3e-20	-7.4	ENSG00000111445	RFC5	chr12	+	116950141	116950218	no
1508	4.3e-20	-6.41	ENSG00000111445	RFC5	chr12	+	116953370	116954421	no
1509	4.32e-20	-17.44	ENSG00000156928	C7orf30	chr7	+	23315500	23317894	no
1510	4.36e-20	-3.33	ENSG00000154832	CXXC1	chr18	-	46062717	46063107	no
1511	4.7e-20	-3.05	ENSG00000184432	COPB2	chr3	-	140560276	140560344	no
1511	4.7e-20	-2.17	ENSG00000184432	COPB2	chr3	-	140559732	140559803	no
1511	4.7e-20	-5.45	ENSG00000184432	COPB2	chr3	-	140559125	140559490	no
1512	4.95e-20	-2.02	ENSG00000205302	SNX2	chr5	+	122158860	122158977	no
1512	4.95e-20	-2.42	ENSG00000205302	SNX2	chr5	+	122191169	122191240	no
1512	4.95e-20	-6.09	ENSG00000205302	SNX2	chr5	+	122193192	122193699	no
1513	4.98e-20	-3.06	ENSG00000148840	PPRC1	chr10	+	103882777	103882968	no
1513	4.98e-20	-2.13	ENSG00000148840	PPRC1	chr10	+	103898564	103898685	no
1513	4.98e-20	-3.18	ENSG00000148840	PPRC1	chr10	+	103898925	103899076	no
1513	4.98e-20	-6.16	ENSG00000148840	PPRC1	chr10	+	103899673	103900078	no
1514	5.06e-20	-2.83	ENSG00000120992	LYPLA1	chr8	-	55176868	55177130	no
1514	5.06e-20	-2.64	ENSG00000120992	LYPLA1	chr8	-	55121492	55123231	no
1515	5.18e-20	-2.27	ENSG00000170471	KIAA1219	chr20	+	36636831	36640918	no
1516	5.2e-20	-2.29	ENSG00000105373	GLTSCR2	chr19	+	52950417	52950592	yes,JnId_h_43269
1516	5.2e-20	-5.37	ENSG00000105373	GLTSCR2	chr19	+	52951757	52951828	no
1516	5.2e-20	-2.72	ENSG00000105373	GLTSCR2	chr19	+	52952068	52952126	no
1517	5.49e-20	-3.17	ENSG00000115548	JMJD1A	chr2	+	86572673	86573350	no
1518	5.58e-20	-2.72	ENSG00000116141	MARK1	chr1	+	218901777	218904426	no
1519	5.72e-20	-2.74	ENSG00000177731	FLII	chr17	-	18089594	18089699	no
1519	5.72e-20	-3.5	ENSG00000177731	FLII	chr17	-	18089393	18089458	no
1519	5.72e-20	-4.09	ENSG00000177731	FLII	chr17	-	18088880	18089311	no
1520	5.83e-20	-2.24	ENSG00000110811	LEPREL2	chr12	+	6807774	6808286	no
1521	6.58e-20	-2.53	ENSG00000137100	DCTN3	chr9	-	34604460	34604765	yes,JnId_b_62068
1522	6.68e-20	-2.94	ENSG00000115540	PREI3	chr2	+	198123484	198125577	no
1523	6.77e-20	-2.18	ENSG00000134602	Q8NC04	chrX	+	131031187	131031372	yes,JnId_b_65862
1523	6.77e-20	-6.43	ENSG00000134602	Q8NC04	chrX	+	131035844	131037652	no
1524	6.82e-20	-4.61	ENSG00000108774	RAB5C	chr17	-	37560437	37560557	no
1524	6.82e-20	-2.02	ENSG00000108774	RAB5C	chr17	-	37530526	37531442	yes,JnId_b_27845
1525	6.89e-20	-5.2	ENSG00000120159	C9orf82	chr9	-	26830683	26832645	no
1526	6.89e-20	-10.64	ENSG00000135297	MTO1	chr6	+	74267018	74269005	no
1527	7.17e-20	-2.56	ENSG00000112584	FAM120B	chr6	+	170555776	170558078	no
1528	7.21e-20	-2.68	ENSG00000144362	KLHL23	chr2	+	170265702	170266462	no
1529	7.65e-20	-5.76	ENSG00000166900	STX3	chr11	+	59279108	59279684	no
1529	7.65e-20	-2.67	ENSG00000166900	STX3	chr11	+	59324904	59326752	yes,JnId_h_13571
1530	7.81e-20	-5.22	ENSG00000100304	TTLL12	chr22	-	41912843	41913051	yes,JnId_b_44168
1530	7.81e-20	-2.41	ENSG00000100304	TTLL12	chr22	-	41892572	41894109	no
1531	8.7e-20	-3.33	ENSG00000164253	WDR41	chr5	-	76794676	76794807	no
1531	8.7e-20	-3.32	ENSG00000164253	WDR41	chr5	-	76762514	76764868	no
1532	8.77e-20	-2.29	ENSG00000175309	AGXT2L2	chr5	-	177591276	177592398	no
1533	9.1e-20	-2.81	ENSG00000120253	NUP43	chr6	-	150109205	150109507	no
1533	9.1e-20	-2.61	ENSG00000120253	NUP43	chr6	-	150087144	150090027	no
1534	1.02e-19	-2.35	ENSG00000172009	THOP1	chr19	+	2736506	2736676	no
1535	1.05e-19	-2.07	ENSG00000085449	WDFY1	chr2	-	224518109	224518296	no
1535	1.05e-19	-3.33	ENSG00000085449	WDFY1	chr2	-	224448309	224451691	no
1536	1.05e-19	-3.8	ENSG00000198843	Q6IAK0	chr3	+	151828136	151830922	no
1537	1.05e-19	-2.64	ENSG00000070961	ATP2B1	chr12	-	88560066	88560263	no
1537	1.05e-19	-4.72	ENSG00000070961	ATP2B1	chr12	-	88505959	88509203	no
1538	1.05e-19	-7.55	ENSG00000159840	ZYX	chr7	+	142788482	142788624	no
1538	1.05e-19	-2.48	ENSG00000159840	ZYX	chr7	+	142788772	142788994	no
1539	1.07e-19	-2.82	ENSG00000168090	COPS6	chr7	+	99524519	99524625	no
1539	1.07e-19	-2.97	ENSG00000168090	COPS6	chr7	+	99527208	99527756	no
1540	1.14e-19	-3.67	ENSG00000167797	CDK2AP2	chr11	-	67032048	67032678	yes,JnId_b_11420
1541	1.17e-19	-9.6	ENSG00000115295	CLIP4	chr2	+	29257942	29260178	no
1542	1.21e-19	-5.06	ENSG00000143164	IQWD1	chr1	+	166258850	166259912	yes,JnId_h_6437

1543	1.27e-19	-2.61	ENSG00000125304	TM9SF2	chr13	+	98970291	98970384	no
1543	1.27e-19	-3.83	ENSG00000125304	TM9SF2	chr13	+	99012946	99013644	no
1544	1.41e-19	-2.2	ENSG00000118939	UCHL3	chr13	+	75021620	75021999	yes,JnId_h_22078
1545	1.50e-19	-6.27	ENSG00000137055	PLAA	chr9	-	26894081	26896074	no
1546	1.57e-19	-3.22	ENSG00000165097	AOF1	chr6	+	18279573	18279713	yes,JnId_h_67192
1546	1.57e-19	-3.62	ENSG00000165097	AOF1	chr6	+	18330119	18332063	no
1547	1.59e-19	-4.37	ENSG00000134152	C15orf29	chr15	-	32220168	32221864	no
1548	1.62e-19	-53.26	ENSG00000133243	BTBD2	chr19	-	1966296	1966702	no
1548	1.62e-19	-4.16	ENSG00000133243	BTBD2	chr19	-	1948343	1948462	no
1549	1.67e-19	-2.36	ENSG00000168374	ARF4	chr3	-	57532145	57533065	no
1550	1.81e-19	-7.06	ENSG00000107872	FBXL15	chr10	+	104169579	104170929	no
1551	1.81e-19	-2.62	ENSG00000100897	WDR23	chr14	+	23653840	23654342	no
1552	1.82e-19	-3.87	ENSG00000159259	CHAF1B	chr21	+	36710443	36710994	no
1553	1.83e-19	-3.97	ENSG00000007392	LUC7L	chr16	-	178971	180135	"yes,JnId_h_28315;JnId_h_28317"
1554	1.85e-19	-2.49	ENSG00000136100	VPS36	chr13	-	51908057	51908540	no
1555	1.88e-19	-4.91	ENSG00000108528	SLC25A11	chr17	-	4783856	4784208	no
1555	1.88e-19	-5.19	ENSG00000108528	SLC25A11	chr17	-	4781169	4781936	no
1556	1.92e-19	-3.81	ENSG00000004142	POLDIP2	chr17	-	23708523	23708600	no
1556	1.92e-19	-2.4	ENSG00000004142	POLDIP2	chr17	-	23697787	23699384	no
1557	1.98e-19	-2.58	ENSG00000167196	FBXO22	chr15	+	74012081	74013999	no
1558	2.01e-19	-2	ENSG00000130997	POLN	chr4	-	2050017	2052679	no
1559	2.16e-19	-7.35	ENSG00000143106	PSMA5	chr1	-	109745997	109746235	yes,JnId_h_4551
1560	2.22e-19	-2.1	ENSG00000117394	SLC2A1	chr1	-	43164106	43165499	no
1561	2.28e-19	-2.52	ENSG00000100442	FKBP3	chr14	-	44654859	44655205	no
1562	2.47e-19	-3.06	ENSG00000038382	TRIO	chr5	+	14560989	14563312	no
1563	2.47e-19	-5.56	ENSG00000072849	DERL2	chr17	-	5330113	5330261	no
1563	2.47e-19	-31.69	ENSG00000072849	DERL2	chr17	-	5315295	5318833	no
1564	2.52e-19	-3.87	ENSG00000107854	TNKS2	chr10	+	93548049	93548626	no
1564	2.52e-19	-2.14	ENSG00000107854	TNKS2	chr10	+	93578022	93578143	no
1564	2.52e-19	-2.9	ENSG00000107854	TNKS2	chr10	+	93591020	93591185	no
1564	2.52e-19	-2.65	ENSG00000107854	TNKS2	chr10	+	93612674	93615013	no
1565	2.84e-19	-3.55	ENSG00000156261	CCT8	chr21	-	29354733	29354852	no
1565	2.84e-19	-7.82	ENSG00000156261	CCT8	chr21	-	29350518	29350744	no
1566	2.86e-19	-4.92	ENSG00000173905	GOLPH4	chr3	-	169209925	169210900	no
1567	2.97e-19	-3.62	ENSG00000104885	DOT1L	chr19	+	2115148	2115264	no
1567	2.97e-19	-2.59	ENSG00000104885	DOT1L	chr19	+	2162750	2162841	no
1567	2.97e-19	-7.68	ENSG00000104885	DOT1L	chr19	+	2178736	2179346	no
1568	3.05e-19	-2.87	ENSG00000147905	ZCCHC7	chr9	+	37346832	37348146	no
1569	3.22e-19	-2.31	ENSG00000161203	AP2M1	chr3	+	185375328	185375441	no
1569	3.22e-19	-3.52	ENSG00000161203	AP2M1	chr3	+	185383964	185384572	no
1570	3.48e-19	-4.35	ENSG00000119139	TJP2	chr9	+	70978901	70979168	no
1570	3.48e-19	-2.12	ENSG00000119139	TJP2	chr9	+	71022993	71023275	no
1570	3.48e-19	-4.5	ENSG00000119139	TJP2	chr9	+	71052748	71053726	no
1570	3.48e-19	-4.78	ENSG00000119139	TJP2	chr9	+	71058945	71059940	no
1571	3.53e-19	-3.2	ENSG00000147130	ZMYM3	chrX	-	70382928	70383087	no
1571	3.53e-19	-2.4	ENSG00000147130	ZMYM3	chrX	-	70381914	70382060	no
1572	3.58e-19	-2.81	ENSG00000116266	STXBP3	chr1	+	109152928	109153671	no
1573	3.62e-19	-2.12	ENSG00000066855	MTFR1	chr8	+	66783765	66785339	no
1574	3.73e-19	-2.98	ENSG00000140983	RHOT2	chr16	+	663481	664133	no
1575	3.76e-19	-2.49	ENSG00000105220	GPI	chr19	+	39582646	39583072	no
1576	3.76e-19	-6.43	ENSG00000079999	KEAP1	chr19	-	10474917	10475243	no
1576	3.76e-19	-3.41	ENSG00000079999	KEAP1	chr19	-	10457802	10458494	no
1577	3.90e-19	-101.91	ENSG00000149658	YTHDF1	chr20	-	61297226	61298531	no
1578	3.91e-19	-7.31	ENSG00000056661	PCGF2	chr17	-	34159141	34159596	no
1579	3.96e-19	-4.5	ENSG00000120837	NFYB	chr12	-	103034988	103037677	no
1580	3.99e-19	-2.21	ENSG00000120705	ETF1	chr5	-	137869690	137871975	no
1581	3.99e-19	-2.44	ENSG00000148688	RPP30	chr10	+	92621453	92621805	no
1581	3.99e-19	-3.54	ENSG00000148688	RPP30	chr10	+	92650307	92651928	no
1582	4,00E-19	-3.29	ENSG00000173821	RNF213	chr17	+	75981740	75984680	no
1583	4.07e-19	-8.57	ENSG00000072682	P4HA2	chr5	-	131555430	131556672	no
1584	4.1e-19	-4.78	ENSG00000138385	SSB	chr2	+	170376424	170376797	no
1585	4.11e-19	-4.77	ENSG00000117724	CENPF	chr1	+	212903557	212904554	no
1586	4.35e-19	-5.87	ENSG00000143889	HNRPLL	chr2	-	38642624	38644883	no
1587	4.39e-19	-2.97	ENSG00000108106	UBE2S	chr19	-	60610767	60611239	no

1588	4.46e-19	-17.55	ENSG00000103018	CYB5B	chr16	+	68053834	68055357	no
1589	4.65e-19	-2.16	ENSG00000092148	HECTD1	chr14	-	30696122	30696260	no
1589	4.65e-19	-2.27	ENSG00000092148	HECTD1	chr14	-	30683024	30683214	no
1589	4.65e-19	-2.72	ENSG00000092148	HECTD1	chr14	-	30639075	30640024	no
1590	4.81e-19	-2.34	ENSG00000134046	MBD2	chr18	-	50004386	50005156	no
1590	4.81e-19	-2.94	ENSG00000134046	MBD2	chr18	-	49934573	49935679	no
1591	4.87e-19	-3.28	ENSG00000175354	PTPN2	chr18	-	12782301	12784484	no
1592	5.06e-19	-3.28	ENSG00000089351	GRAMD1A	chr19	+	40208793	40209213	yes,JnId_b_33617
1593	5.19e-19	-2.26	ENSG00000078808	SDF4	chr1	-	1142151 1143047	no	
1594	5.49e-19	-6.75	ENSG00000133997	MED6	chr14	-	70120059	70121413	no
1595	5.68e-19	-17.09	ENSG00000137054	POLR1E	chr9	+	37476150	37476803	no
1595	5.68e-19	-3.3	ENSG00000137054	POLR1E	chr9	+	37493040	37493694	no
1596	5.91e-19	-6.63	ENSG00000206062	Q4G0T4	chr22	+	24236596	24237583	no
1597	5.93e-19	-2.08	ENSG00000155438	MKI67IP	chr2	-	122204939	122205150	no
1597	5.93e-19	-3.97	ENSG00000155438	MKI67IP	chr2	-	122201027	122201958	no
1598	5.97e-19	-4.98	ENSG00000152455	SUV39H2	chr10	+	14984411	14986320	no
1599	6.15e-19	-3.51	ENSG00000004975	DVL2	chr17	-	7078112 7078592	no	
1599	6.15e-19	-3.96	ENSG00000004975	DVL2	chr17	-	7069384 7070356	no	
1600	6.27e-19	-6.31	ENSG00000137824	FAM82C	chr15	-	38834087	38835341	yes,JnId_h_25977
1600	6.27e-19	-3.9	ENSG00000137824	FAM82C	chr15	-	38815378	38816084	no
1601	6.47e-19	-2.47	ENSG00000138758	11-Sep	chr4	+	78089919	78090107	no
1602	7.36e-19	-4.36	ENSG00000138448	ITGAV	chr2	+	187250169	187253872	no
1603	7.44e-19	-2.74	ENSG00000197747	S100A10	chr1	-	150232852	150233490	no
1604	7.47e-19	-2.21	ENSG00000177728	KIAA0195	chr17	+	70964317	70964427	no
1604	7.47e-19	-2.88	ENSG00000177728	KIAA0195	chr17	+	70979476	70979605	no
1604	7.47e-19	-3.16	ENSG00000177728	KIAA0195	chr17	+	70996435	70996586	yes,JnId_h_36937
1604	7.47e-19	-2.17	ENSG00000177728	KIAA0195	chr17	+	71005457	71005538	no
1604	7.47e-19	-3.01	ENSG00000177728	KIAA0195	chr17	+	71006938	71007758	no
1605	7.57e-19	-2.96	ENSG00000132466	ANKRD17	chr4	-	74186957	74187128	no
1605	7.57e-19	-3.55	ENSG00000132466	ANKRD17	chr4	-	74159369	74160871	no
1606	8.12e-19	-4.74	ENSG00000100029	PES1	chr22	-	29302613	29303116	no
1607	8.19e-19	-5.54	ENSG00000144867	SRPRB	chr3	+	135021087	135022213	no
1608	8.36e-19	-6.41	ENSG00000066651	TRMT11	chr6	+	126401544	126402630	no
1609	9.12e-19	-2.17	ENSG00000140374	ETFA	chr15	-	74305245	74305325	no
1609	9.12e-19	-6.01	ENSG00000140374	ETFA	chr15	-	74295646	74295993	no
1610	9.3e-19	-2.25	ENSG00000136068	FLNB	chr3	+	58039484	58039581	no
1610	9.3e-19	-2.34	ENSG00000136068	FLNB	chr3	+	58069225	58069338	no
1610	9.3e-19	-2.05	ENSG00000136068	FLNB	chr3	+	58110872	58110994	yes,JnId_b_46440
1610	9.3e-19	-4.76	ENSG00000136068	FLNB	chr3	+	58131342	58133015	no
1611	9.35e-19	-2.02	ENSG00000152601	MBNL1	chr3	+	153468519	153469571	no
1611	9.35e-19	-2.19	ENSG00000152601	MBNL1	chr3	+	153662864	153666258	no
1612	9.71e-19	-2.66	ENSG00000152495	CAMK4	chr5	+	110847623	110858483	no
1613	1.05e-18	-4.13	ENSG00000171456	ASXL1	chr20	+	30409821	30410296	no
1613	1.05e-18	-3.25	ENSG00000171456	ASXL1	chr20	+	30479789	30479886	yes,JnId_h_50687
1614	1.06e-18	-3.3	ENSG00000126226	PCID2	chr13	-	112910339	112911026	yes,JnId_b_17867
1615	1.08e-18	-2.05	ENSG00000086065	CHMP5	chr9	+	33270807	33271525	no
1616	1.10e-18	-3.53	ENSG00000108828	VAT1	chr17	-	38427479	38427930	no
1617	1.16e-18	-3.62	ENSG00000085224	ATRX	chrX	-	76647034	76650763	no
1618	1.21e-18	-4.5	ENSG00000122965	RBM19	chr12	-	112738930	112740374	no
1619	1.27e-18	-4.73	ENSG00000099381	SETD1A	chr16	+	30876116	30876786	yes,JnId_h_30366
1620	1.30e-18	-5.58	ENSG00000132330	SCLY	chr2	+	238664598	238665409	yes,JnId_h_49718
1621	1.31e-18	-3.24	ENSG00000138750	NUP54	chr4	-	77254842	77255671	no
1622	1.32e-18	-2.11	ENSG00000101166	SLMO2	chr20	-	57046916	57047084	no
1622	1.32e-18	-9.55	ENSG00000101166	SLMO2	chr20	-	57041595	57043576	no
1623	1.36e-18	-3.21	ENSG00000164053	TREX1	chr3	+	48481890	48482712	no
1623	1.36e-18	-4.26	ENSG00000164053	TREX1	chr3	+	48483033	48484045	no
1624	1.44e-18	-2.6	ENSG00000110315	RNF141	chr11	-	10489801	10493189	no
1625	1.47e-18	-8.7	ENSG00000065882	TBC1D1	chr4	+	37580019	37580528	yes,JnId_h_61143
1625	1.47e-18	-2.14	ENSG00000065882	TBC1D1	chr4	+	37773945	37774106	yes,JnId_b_49035
1625	1.47e-18	-2.43	ENSG00000065882	TBC1D1	chr4	+	37802978	37803147	no
1625	1.47e-18	-13.17	ENSG00000065882	TBC1D1	chr4	+	37815151	37817189	no
1626	1.51e-18	-3.99	ENSG00000198919	Q5MY58	chr3	+	109894897	109896382	no
1627	1.65e-18	-6.89	ENSG00000166503	HDGR3_HUMAN	chr15	-	81667087	81667774	no
1627	1.65e-18	-5.81	ENSG00000166503	HDGR3_HUMAN	chr15	-	81597934	81599031	no

1628	1.69e-18	-2.37	ENSG00000183207	RUVBL2	chr19	+	54210090	54210219	no
1628	1.69e-18	-2.45	ENSG00000183207	RUVBL2	chr19	+	54210641	54210755	no
1628	1.69e-18	-2.69	ENSG00000183207	RUVBL2	chr19	+	54210886	54210952	no
1629	1.75e-18	-3.92	ENSG00000133422	MORC2	chr22	-	29693052	29694187	yes,JnId_b_43337
1629	1.75e-18	-2.17	ENSG00000133422	MORC2	chr22	-	29654006	29654194	no
1630	1.77e-18	-2.22	ENSG0000014824	SLC30A9	chr4	+	41782856	41784295	no
1631	1.79e-18	-2.57	ENSG00000084733	RAB10	chr2	+	26211311	26213827	no
1631	1.79e-18	-10.18	ENSG00000141101	NOB1	chr16	-	68333276	68334005	no
1633	1.92e-18	-3.52	ENSG00000172530	BANP	chr16	+	86667697	86668301	no
1634	1.96e-18	-4.73	ENSG00000119912	IDE	chr10	-	94201421	94204276	no
1635	2.05e-18	-2.49	ENSG00000163349	HIPK1	chr1	+	114273855	114274084	no
1636	2.08e-18	-3.11	ENSG00000204209	DAXX	chr6	-	33398617	33398769	yes,JnId_b_54392
1637	2.36e-18	-5.77	ENSG00000198554	WDHD1	chr14	-	54476692	54478158	no
1638	2.50e-18	-3.41	ENSG00000103549	RNF40	chr16	+	30681131	30681182	no
1639	2.53e-18	-5.36	ENSG00000151327	C14orf24	chr14	+	34619979	34622338	no
1640	2.57e-18	-7.34	ENSG00000166228	PCBD1	chr10	-	72318294	72318547	no
1641	2.58e-18	-2.29	ENSG00000078747	ITCH	chr20	+	32559161	32562859	no
1642	2.74e-18	-3.77	ENSG00000147592	LACTB2	chr8	-	71712045	71712692	no
1643	2.84e-18	-2.04	ENSG00000108604	SMARCD2	chr17	-	59264161	59264262	no
1643	2.84e-18	-3.99	ENSG00000108604	SMARCD2	chr17	-	59263176	59264083	no
1644	2.86e-18	-2.67	ENSG00000164190	NIPBL	chr5	+	36912618	36913037	no
1644	2.86e-18	-2.58	ENSG00000164190	NIPBL	chr5	+	37031481	37031663	no
1644	2.86e-18	-2.27	ENSG00000164190	NIPBL	chr5	+	37042216	37042447	no
1644	2.86e-18	-7.82	ENSG00000164190	NIPBL	chr5	+	37100386	37102272	no
1645	2.87e-18	-2.87	ENSG00000139684	ESD	chr13	-	46269241	46269368	no
1645	2.87e-18	-3.59	ENSG00000139684	ESD	chr13	-	46243392	46243632	no
1646	2.98e-18	-2.33	ENSG00000035687	ADSS	chr1	-	242638419	242639563	no
1647	3.01e-18	-2.81	ENSG00000115266	APC2	chr19	+	1416154	1424243	no
1648	3.1e-18	-3.54	ENSG00000198836	OPA1	chr3	+	194895089	194898009	no
1649	3.17e-18	-10.98	ENSG00000178053	MLF1	chr3	+	159805580	159807713	no
1650	3.34e-18	-22.11	ENSG00000125772	Q5QPF0	chr20	-	5512927	5514683	yes,JnId_h_50247
1650	3.34e-18	-7.01	ENSG00000125772	Q5QPF0	chr20	-	5473085	5476496	no
1651	3.65e-18	-2.24	ENSG00000113522	RAD50	chr5	+	131979594	131979721	no
1651	3.65e-18	-2.7	ENSG00000113522	RAD50	chr5	+	131981661	131981885	no
1651	3.65e-18	-3.13	ENSG00000113522	RAD50	chr5	+	132005769	132007651	no
1652	3.76e-18	-14.51	ENSG00000105229	PIAS4	chr19	+	3988614	3990383	no
1653	3.93e-18	-2.81	ENSG00000067064	IDI1	chr10	-	1084804	1085110	no
1654	4.05e-18	-3.14	ENSG00000183576	SETD3	chr14	-	99016818	99016979	no
1655	4.1e-18	-3.99	ENSG00000122687	FTSJ2	chr7	-	2244176	2245098	"yes,JnId_h_70925;JnId_h_70926"
1655	4.1e-18	-2.24	ENSG00000125450	NUP85	chr17	+	70713192	70713484	no
1657	4.16e-18	-2.87	ENSG00000198792	C22orf5	chr22	-	36945244	36947663	no
1658	4.52e-18	-6.87	ENSG00000152061	RABGAP1L	chr1	+	173225609	173231068	no
1659	4.61e-18	-2.75	ENSG00000181789	COPG	chr3	+	130478827	130479304	no
1660	4.61e-18	-2.67	ENSG00000085998	POMGNT1	chr1	-	46427717	46427826	no
1660	4.61e-18	-4.16	ENSG00000085998	POMGNT1	chr1	-	46426942	46427616	no
1661	4.68e-18	-3.05	ENSG00000197381	ADARB1	chr21	+	45466361	45470902	yes,JnId_h_52880
1662	4.72e-18	-47.25	ENSG00000165194	PCDH19	chrX	-	99433300	99438529	no
1663	4.74e-18	-4.34	ENSG00000115216	NRBP1	chr2	+	27504689	27505102	no
1663	4.74e-18	-2.2	ENSG00000115216	NRBP1	chr2	+	27518079	27518630	no
1664	5.29e-18	-2.11	ENSG00000070814	TCOF1	chr5	+	149717410	149717610	no
1664	5.29e-18	-2.04	ENSG00000070814	TCOF1	chr5	+	149731762	149731992	yes,JnId_h_65892
1665	5.41e-18	-5.29	ENSG00000137713	PPP2R1B	chr11	-	111113815	111117546	no
1666	5.47e-18	-2.8	ENSG00000088035	ALG6	chr1	+	63667187	63667385	no
1666	5.47e-18	-7.83	ENSG00000088035	ALG6	chr1	+	63675082	63676821	no
1667	5.6e-18	-2.3	ENSG00000188739	RBM34	chr1	-	233391112	233391395	no
1667	5.6e-18	-3.06	ENSG00000188739	RBM34	chr1	-	233361121	233361935	no
1668	5.62e-18	-3.79	ENSG00000107798	LIPA	chr10	-	91001474	91001795	yes,JnId_h_10343
1669	5.85e-18	-2.88	ENSG00000161956	SENP3	chr17	+	7405996	7406304	no
1669	5.85e-18	-2.02	ENSG00000161956	SENP3	chr17	+	7415415	7415912	no
1670	6.04e-18	-2.42	ENSG00000138085	C2orf28	chr2	+	27293216	27293548	no
1671	6.13e-18	-8.86	ENSG00000115289	PCGF1	chr2	-	74588211	74589215	no
1672	6.66e-18	-2.03	ENSG00000171148	TADA3L	chr3	-	9799812	9800897	no
1673	6.7e-18	-3.71	ENSG00000145354	ZCD2	chr4	+	104027934	104029833	no
1674	6.82e-18	-5.71	ENSG00000090621	PABPC4	chr1	-	39799075	39799381	no

1675	7.1e-18	-4.81	ENSG00000006715	VPS41	chr7	-	38730069	38732451	no	
1676	7.3e-18	-2.32	ENSG00000171723	GPHN	chr14	+	66043878	66045062	no	
1676	7.3e-18	-2.08	ENSG00000171723	GPHN	chr14	+	66717274	66718268	no	
1677	7.33e-18	-2.28	ENSG00000087053	MTMR2	chr11	-	95296687	95297107	no	
1677	7.33e-18	-2.68	ENSG00000087053	MTMR2	chr11	-	95205694	95208263	no	
1678	7.75e-18	-2.43	ENSG00000118046	STK11	chr19	+	1178592	1179434	no	
1679	7.78e-18	-3.18	ENSG00000068308	OTUD5	chrX	-	48699183	48699837	yes	,JnId_b_65068
1679	7.78e-18	-3.66	ENSG00000068308	OTUD5	chrX	-	48664432	48665516	"yes	,JnId_b_65056;JnId_b_65058;JnId_b_65059"
1680	8.39e-18	-2.38	ENSG00000088367	EPB41L1	chr20	+	34260824	34261234	yes	,JnId_h_51026
1680	8.39e-18	-3.83	ENSG00000088367	EPB41L1	chr20	+	34280668	34284135	no	
1681	8.42e-18	-3.08	ENSG00000168291	PDHB	chr3	-	58392498	58392560	no	
1681	8.42e-18	-3.12	ENSG00000168291	PDHB	chr3	-	58388398	58388946	no	
1682	8.46e-18	-3.22	ENSG00000162623	TYW3	chr1	+	74987023	74987094	no	
1682	8.46e-18	-20.28	ENSG00000162623	TYW3	chr1	+	75002166	75004946	no	
1683	9.18e-18	-2.89	ENSG00000103423	DNAJA3	chr16	+	4444813	4444929	yes	,JnId_h_29222
1683	9.18e-18	-2.84	ENSG00000103423	DNAJA3	chr16	+	4445548	4446774	yes	,JnId_h_29223
1684	9.5e-18	-3.67	ENSG00000140386	ZNF291	chr15	-	74513474	74513706	no	
1684	9.5e-18	-11.1	ENSG00000140386	ZNF291	chr15	-	74459119	74461011	no	
1684	9.5e-18	-3.48	ENSG00000140386	ZNF291	chr15	-	74433345	74433536	no	
1684	9.5e-18	-8.16	ENSG00000140386	ZNF291	chr15	-	74427593	74428132	no	
1685	9.64e-18	-2.21	ENSG00000127586	CHTF18	chr16	+	778166	778776	no	
1686	1.03e-17	-2.3	ENSG00000100461	RBM23	chr14	-	22439746	22440782	no	
1687	1.05e-17	-3.33	ENSG00000198604	BAZ1A	chr14	-	34414095	34414604	no	
1687	1.05e-17	-2.3	ENSG00000198604	BAZ1A	chr14	-	34291694	34292661	no	
1688	1.14e-17	-4.38	ENSG00000165209	STRBP	chr9	-	124926811	124927773	yes	,JnId_b_63301
1689	1.15e-17	-2.36	ENSG00000130699	TAF4	chr20	-	60072902	60074261	no	
1690	1.16e-17	-5.61	ENSG00000102753	KPNA3	chr13	-	49264575	49265058	no	
1690	1.16e-17	-2.29	ENSG00000102753	KPNA3	chr13	-	49171463	49174035	no	
1691	1.17e-17	-2.29	ENSG00000182712	MTCP1	chrX	-	153945503	153946868	yes	,JnId_h_83209
1692	1.19e-17	-5	ENSG00000105402	NAPA	chr19	-	52709912	52710309	yes	,JnId_h_43253
1692	1.19e-17	-2.44	ENSG00000105402	NAPA	chr19	-	52682703	52683458	"yes	,JnId_h_43241;JnId_h_43243"
1693	1.20e-17	-2.42	ENSG00000147010	SH3KBP1	chrX	-	19462014	19464497	no	
1694	1.27e-17	-2.71	ENSG00000104635	SLC39A14	chr8	+	22280737	22280866	no	
1695	1.38e-17	-3.09	ENSG00000166913	YWHAB	chr20	+	42949703	42949797	"yes	,JnId_h_51367;JnId_h_51368"
1696	1.50e-17	-2.71	ENSG00000106153	CHCHD2	chr7	-	56136762	56137048	no	
1697	1.53e-17	-8.69	ENSG00000198728	LDB1	chr10	-	103864153	103864693	yes	,JnId_h_11011
1697	1.53e-17	-2.27	ENSG00000198728	LDB1	chr10	-	103857307	103858070	no	
1698	1.54e-17	-3.84	ENSG00000197226	TBC1D9B	chr5	-	179267310	179267464	no	
1698	1.54e-17	-2.12	ENSG00000197226	TBC1D9B	chr5	-	179221679	179223734	no	
1699	1.58e-17	-2.22	ENSG00000158435	C2orf29	chr2	+	101252110	101253208	no	
1700	1.60e-17	-2.5	ENSG00000089053	ANAPC5	chr12	-	120268025	120268417	yes	,JnId_h_20533
1700	1.60e-17	-2.8	ENSG00000089053	ANAPC5	chr12	-	120230544	120230877	no	
1701	1.73e-17	-8.36	ENSG00000204217	BMPR2	chr2	+	203132664	203140719	no	
1702	1.86e-17	-5.6	ENSG00000133687	TMTC1	chr12	-	29550182	29551186	no	
1703	1.93e-17	-3.46	ENSG00000148358	GPR107	chr9	+	131855526	131856173	no	
1704	1.93e-17	-2.34	ENSG00000066926	FECH	chr18	-	53366535	53369076	no	
1705	1.94e-17	-3.14	ENSG00000130766	SESN2	chr1	+	28458593	28459035	no	
1705	1.94e-17	-2.22	ENSG00000130766	SESN2	chr1	+	28479814	28481586	no	
1706	1.98e-17	-6.47	ENSG00000135999	EPC2	chr2	+	149260344	149261608	no	
1707	2.05e-17	-3.93	ENSG00000132471	WBP2	chr17	-	71353396	71354463	no	
1708	2.15e-17	-6.73	ENSG00000141378	PTRH2	chr17	-	55131014	55132332	yes	,JnId_h_36254
1709	2.16e-17	-3.8	ENSG00000136536	MARCH7	chr2	+	160332041	160333329	no	
1710	2.16e-17	-2.06	ENSG00000106052	TAX1BP1	chr7	+	27799210	27799356	no	
1710	2.16e-17	-11.3	ENSG00000106052	TAX1BP1	chr7	+	27822493	27822664	no	
1710	2.16e-17	-4.74	ENSG00000106052	TAX1BP1	chr7	+	27834772	27835399	no	
1711	2.33e-17	-4.96	ENSG00000085662	AKR1B1	chr7	-	133782590	133782673	no	
1711	2.33e-17	-11.29	ENSG00000085662	AKR1B1	chr7	-	133777649	133778062	no	
1712	2.55e-17	-6.46	ENSG00000164975	SNAPC3	chr9	+	15443039	15443575	no	
1712	2.55e-17	-4.97	ENSG00000164975	SNAPC3	chr9	+	15449717	15454132	yes	,JnId_h_77067
1712	2.55e-17	-4.7	ENSG00000070159	PTPN3	chr9	-	111177800	111181734	no	
1714	2.87e-17	-2.25	ENSG00000118816	CCNI	chr4	-	78215649	78216152	no	
1715	2.92e-17	-4.34	ENSG00000148908	RGS10	chr10	-	121249330	121249761	no	
1716	3.01e-17	-2.49	ENSG00000173442	EHBP1L1	chr11	+	65105586	65107812	no	
1717	3.01e-17	-6.8	ENSG00000111206	FOXM1	chr12	-	2856347	2856564	no	

1717	3.01e-17	-5.66	ENSG00000111206	FOXM1	chr12	-	2840726	2840839	yes,JnId_h_16743	
1718	3.14e-17	-2.54	ENSG00000149930	TAOK2	chr16	+	29908415	29908627	no	
1718	3.14e-17	-2.83	ENSG00000149930	TAOK2	chr16	+	29909606	29909788	no	
1718	3.14e-17	-4.93	ENSG00000149930	TAOK2	chr16	+	29909869	29911082	no	
1719	3.2e-17	-5.67	ENSG00000141759	TXNL4A	chr18	-	75833857	75834844	no	
1720	3.26e-17	-10.09	ENSG00000126602	TRAP1	chr16	-	3707423	3707521	no	
1720	3.26e-17	-2.31	ENSG00000126602	TRAP1	chr16	-	3655973	3656120	no	
1721	3.27e-17	-2.3	ENSG00000004487	AOF2	chr1	+	23218533	23219027	no	
1721	3.27e-17	-5.37	ENSG00000004487	AOF2	chr1	+	23282259	23282771	no	
1722	3.36e-17	-2.09	ENSG00000142208	AKT1	chr14	-	104306734	104307802	no	
1723	3.55e-17	-9.26	ENSG00000102977	ACD	chr16	-	66251526	66252214	no	
1723	3.55e-17	-2.8	ENSG00000102977	ACD	chr16	-	66248934	66249088	yes,JnId_b_24815	
1724	3.65e-17	-2.36	ENSG00000100796	SMEK1	chr14	-	90993708	90994966	no	
1725	3.76e-17	-2.89	ENSG00000160916	ATP5J2	chr7	-	98893721	98893914	yes,JnId_b_58142	
1726	3.86e-17	-3.43	ENSG00000119285	HEATR1	chr1	-	234832748	234833299	no	
1726	3.86e-17	-3.22	ENSG00000119285	HEATR1	chr1	-	234822446	234822556	no	
1726	3.86e-17	-2.33	ENSG00000119285	HEATR1	chr1	-	234821916	234822033	no	
1726	3.86e-17	-2.26	ENSG00000119285	HEATR1	chr1	-	234817325	234817413	no	
1727	4.2e-17	-3.86	ENSG00000176915	KIAA0692	chr12	-	131848277	131848490	yes,JnId_b_16674	
1728	4.29e-17	-2.62	ENSG00000162813	BPNT1	chr1	-	218297449	218298957	no	
1729	4.34e-17	-3.9	ENSG00000108788	MLX	chr17	+	37972616	37972872	yes,JnId_h_35132	
1730	4.53e-17	-6.67	ENSG00000163507	KIAA1524	chr3	-	109752104	109752856	no	
1731	4.65e-17	-3.95	ENSG00000147202	DIAPH2	chrX	+	96740908	96746652	no	
1732	4.97e-17	-4.14	ENSG0000023287	RB1CC1	chr8	-	53697569	53698972	no	
1733	5.13e-17	-5.62	ENSG00000171824	EXOSC10	chr1	-	11082365	11082530	no	
1733	5.13e-17	-11.13	ENSG00000171824	EXOSC10	chr1	-	11050652	11050728	no	
1734	5.77e-17	-3.51	ENSG00000159110	IFNAR2	chr21	+	33556736	33559839	yes,JnId_b_42122	
1735	5.88e-17	-3.07	ENSG00000165156	ZHX1	chr8	-	124329878	124331741	no	
1736	6.02e-17	-3.9	ENSG00000109790	KLHL5	chr4	+	38793174	38794347	no	
1736	6.02e-17	-2.07	ENSG00000109790	KLHL5	chr4	+	38799025	38800224	no	
1737	6.1e-17	-5.45	ENSG00000114861	FOXP1	chr3	-	71087426	71091232	no	
1738	6.32e-17	-4.14	ENSG00000130811	EIF3S4	chr19	-	10087155	10087261	no	
1739	6.4e-17	-8.81	ENSG00000127884	ECHS1	chr10	-	135036740	135037183	no	
1739	6.4e-17	-5.34	ENSG00000127884	ECHS1	chr10	-	135025974	135026427	no	
1740	6.47e-17	-2.14	ENSG00000175216	CKAP5	chr11	-	46824347	46824419	no	
1740	6.47e-17	-2.12	ENSG00000175216	CKAP5	chr11	-	46786157	46786270	yes,JnId_h_13211	
1741	6.56e-17	-5.48	ENSG00000163930	BAP1	chr3	-	52418898	52419058	no	
1741	6.56e-17	-2.4	ENSG00000163930	BAP1	chr3	-	52410069	52411477	no	
1742	7.02e-17	-2.21	ENSG00000140259	MFAP1	chr15	-	41889245	41889404	no	
1742	7.02e-17	-3.64	ENSG00000140259	MFAP1	chr15	-	41884025	41884766	no	
1743	7.65e-17	-4.93	ENSG00000126814	TRMT5	chr14	-	60507922	60511665	no	
1744	7.96e-17	-3.18	ENSG00000119688	ABCD4	chr14	-	73821902	73822985	no	
1745	7.99e-17	-2.5	ENSG00000073712	PLEKHCl	chr14	-	52393743	52395018	no	
1746	8.08e-17	-2.49	ENSG00000113141	IK	chr5	+	140021668	140021776	yes,JnId_h_65623	
1746	8.08e-17	-4.06	ENSG00000113141	IK	chr5	+	140022071	140022248	no	
1747	8.22e-17	-2.72	ENSG00000099284	H2AFY2	chr10	+	71541280	71542021	no	
1748	8.44e-17	-2.71	ENSG00000065548	ZC3H15	chr2	+	187059130	187059429	no	
1748	8.44e-17	-5.73	ENSG00000065548	ZC3H15	chr2	+	187081515	187082323	no	
1749	8.54e-17	-3.92	ENSG00000131437	KIF3A	chr5	-	132056267	132060273	no	
1750	8.85e-17	-2.69	ENSG00000116984	MTR	chr1	+	235082871	235083011	no	
1750	8.85e-17	-2.96	ENSG00000116984	MTR	chr1	+	235091048	235091200	no	
1751	9.12e-17	-2.82	ENSG00000000003	TSPAN6	chrX	-	99770323	99771639	no	
1752	9.16e-17	-2.2	ENSG00000114573	ATP6V1A	chr3	+	115010872	115013591	no	
1753	9.17e-17	-4.66	ENSG00000178057	C3orf60	chr3	+	49035493	49035926	no	
1754	9.19e-17	-4.35	ENSG00000168395	ING5	chr2	+	242313077	242317560	no	
1755	9.23e-17	-6.21	ENSG00000173020	ADRBK1	chr11	+	66790507	66790859	yes,JnId_b_11298	
1755	9.23e-17	-2.23	ENSG00000173020	ADRBK1	chr11	+	66801319	66801395	yes,JnId_b_11298	
1755	9.23e-17	-3.17	ENSG00000173020	ADRBK1	chr11	+	66803465	66803566	yes,JnId_b_11298	
1755	9.23e-17	-2.09	ENSG00000173020	ADRBK1	chr11	+	66807901	66807996	yes,JnId_b_11314	
1756	9.56e-17	-2.64	ENSG00000145041	Q9UG37	chr3	-	51442525	51442704	yes,JnId_h_57429	
1756	9.56e-17	-5.48	ENSG00000145041	Q9UG37	chr3	-	51410313	51411298	no	
1757	9.64e-17	-2.16	ENSG00000148843	PDCD11	chr10	+	105192912	105193080	no	
1757	9.64e-17	-2.12	ENSG00000148843	PDCD11	chr10	+	105193662	105193815	no	
1757	9.64e-17	-4.5	ENSG00000148843	PDCD11	chr10	+	105195125	105196039	no	

1758	9.78e-17	-6.13	ENSG00000184047	DIABLO	chr12	-	121276465	121277153	no
1759	9.8e-17	-3.01	ENSG00000108389	MTMR4	chr17	-	53921897	53924200	no
1760	9.92e-17	-3.2	ENSG00000179889	PDXDC1	chr16	+	15037374	15039689	no
1761	1.01e-16	-3.24	ENSG00000125821	DTD1	chr20	+	18516537	18516759	no
1762	1.03e-16	-5.19	ENSG00000174371	EXO1	chr1	+	240119390	240119864	no
1763	1.05e-16	-41.69	ENSG00000134049	IER3IP1	chr18	-	42935413	42936601	no
1764	1.05e-16	-4.07	ENSG00000111642	CHD4	chr12	-	6586727	6586812	no
1764	1.05e-16	-2.58	ENSG00000111642	CHD4	chr12	-	6585701	6585878	no
1764	1.05e-16	-2.61	ENSG00000111642	CHD4	chr12	-	6581387	6581602	yes,JnId_h_16928
1764	1.05e-16	-2.3	ENSG00000111642	CHD4	chr12	-	6581075	6581193	no
1764	1.05e-16	-2.53	ENSG00000111642	CHD4	chr12	-	6557836	6557973	yes,JnId_b_13064
1764	1.05e-16	-5.43	ENSG00000111642	CHD4	chr12	-	6549510	6550120	no
1765	1.08e-16	-5.1	ENSG00000166411	IDH3A	chr15	+	76236305	76236559	"yes,JnId_h_27608;JnId_h_27609"
1766	1.09e-16	-5.04	ENSG00000163374	YY1AP1	chr1	-	153924486	153924988	"yes,JnId_h_5857;JnId_h_5856"
1767	1.10e-16	-12.6	ENSG00000113140	SPARC	chr5	-	151021212	151023353	no
1768	1.12e-16	-2.54	ENSG00000185787	MORF4L1	chr15	+	76976380	76977127	no
1769	1.13e-16	-2.24	ENSG00000085832	EPS15	chr1	-	51683149	51683305	no
1769	1.13e-16	-3.93	ENSG00000085832	EPS15	chr1	-	51592523	51595106	no
1770	1.13e-16	-5.07	ENSG00000006125	AP2B1	chr17	+	30938395	30938560	no
1770	1.13e-16	-6.04	ENSG00000006125	AP2B1	chr17	+	30949362	30949467	no
1770	1.13e-16	-2.86	ENSG00000006125	AP2B1	chr17	+	30956837	30956972	no
1770	1.13e-16	-3.04	ENSG00000006125	AP2B1	chr17	+	31074757	31077547	no
1771	1.14e-16	-3.45	ENSG00000167699	GLOD4	chr17	-	609300	610228	no
1772	1.16e-16	-4.58	ENSG00000108100	CCNY	chr10	+	35665808	35666141	no
1772	1.16e-16	-11.68	ENSG00000108100	CCNY	chr10	+	35897988	35900858	no
1773	1.20e-16	-2.19	ENSG00000105953	OGDH	chr7	+	44702149	44702251	no
1773	1.20e-16	-2.48	ENSG00000105953	OGDH	chr7	+	44714003	44715193	no
1774	1.24e-16	-3.49	ENSG00000181222	POLR2A	chr17	+	7328422	7328900	no
1775	1.24e-16	-10.19	ENSG00000135439	CENTG1	chr12	-	56405251	56406844	no
1776	1.24e-16	-2.16	ENSG00000104320	NBN	chr8	-	91034648	91035095	no
1776	1.24e-16	-5.21	ENSG00000104320	NBN	chr8	-	91014740	91017016	no
1777	1.25e-16	-2.52	ENSG00000184164	CRELD2	chr22	+	48698348	48698550	no
1777	1.25e-16	-3.09	ENSG00000184164	CRELD2	chr22	+	48706907	48707178	no
1778	1.27e-16	-4.08	ENSG00000082458	DLG3	chrX	+	69638738	69642062	no
1779	1.32e-16	-3.23	ENSG00000100916	BRMS1L	chr14	+	35409317	35410919	no
1780	1.43e-16	-5.41	ENSG00000114353	GNAI2	chr3	+	50248651	50248889	yes,JnId_h_57305
1780	1.43e-16	-4.46	ENSG00000114353	GNAI2	chr3	+	50270804	50271775	yes,JnId_b_46050
1781	1.54e-16	-2.64	ENSG00000128585	MKLN1	chr7	+	130822906	130831930	yes,JnId_h_73531
1782	1.56e-16	-2.57	ENSG00000177885	GRB2	chr17	-	70913165	70913384	no
1782	1.56e-16	-2.06	ENSG00000177885	GRB2	chr17	-	70825753	70828229	no
1783	1.65e-16	-2.54	ENSG00000137411	GTF2H4	chr6	+	30989567	30990793	yes,JnId_h_67500
1783	1.65e-16	-2.59	ENSG00000137411	GTF2H4	chr6	+	31001300	31001475	no
1783	1.65e-16	-3.4	ENSG00000137411	GTF2H4	chr6	+	31001865	31002215	no
1784	1.71e-16	-5.37	ENSG00000170312	CDC2	chr10	+	62223641	62224616	no
1785	1.77e-16	-2.14	ENSG00000198917	C9orf114	chr9	-	130630835	130630960	no
1786	1.81e-16	-3.45	ENSG00000163636	PSMD6	chr3	-	63971271	63971480	yes,JnId_h_58048
1787	2.01e-16	-2.03	ENSG00000007341	ST7L	chr1	-	112867663	112870256	no
1788	2.06e-16	-2.12	ENSG00000174233	ADCY6	chr12	-	47462621	47464157	no
1788	2.06e-16	-2.34	ENSG00000174233	ADCY6	chr12	-	47450816	47451020	no
1788	2.06e-16	-2.6	ENSG00000174233	ADCY6	chr12	-	47446248	47448766	no
1789	2.08e-16	-41.85	ENSG00000141552	ANAPC11	chr17	+	77451088	77451655	no
1790	2.19e-16	-3.17	ENSG00000109133	TMEM33	chr4	+	41650844	41652588	no
1791	2.2e-16	-2.41	ENSG00000006015	C19orf60	chr19	+	18562664	18564146	"yes,JnId_h_41603;JnId_h_41604;JnId_h_41605;JnId_h_41605"
1792	2.22e-16	-2.81	ENSG00000047579	DTNBP1	chr6	-	15631787	15632879	no
1793	2.23e-16	-8.61	ENSG00000119446	RBM18	chr9	-	124041655	124044143	no
1794	2.26e-16	-3.23	ENSG00000117528	ABCD3	chr1	+	94755196	94756807	no
1795	2.26e-16	-2.2	ENSG00000184203	PPP1R2	chr3	-	196722514	196725029	no
1796	2.34e-16	-3.65	ENSG00000047932	GOPC	chr6	-	117988125	117991240	no
1797	2.48e-16	-6.44	ENSG00000091483	FH	chr1	-	239727526	239727893	no
1798	2.51e-16	-4.15	ENSG00000138279	ANXA7	chr10	-	74805209	74805981	no
1799	2.71e-16	-4.89	ENSG00000119314	ROD1	chr9	-	114020536	114026084	no
1800	2.71e-16	-2.23	ENSG00000152556	PFKM	chr12	+	46824096	46824207	yes,JnId_h_17713
1801	2.78e-16	-2.78	ENSG00000160392	C19orf47	chr19	-	45517302	45520123	no
1802	2.83e-16	-2.46	ENSG00000129083	COPB1	chr11	-	14438330	14438419	no

1802	2.83e-16	-7.68	ENSG00000129083	COPB1	chr11	-	14435631	14436005	no
1803	2.93e-16	-4.61	ENSG00000112851	ERBB2IP	chr5	+	65410007	65414133	no
1804	3.71e-16	-2.55	ENSG00000117625	RCOR3	chr1	+	209499244	209499691	no
1804	3.71e-16	-2.93	ENSG00000117625	RCOR3	chr1	+	209553389	209556350	no
1805	3.74e-16	-4.59	ENSG00000154767	XPC	chr3	-	14161651	14162660	no
1806	3.82e-16	-2.4	ENSG00000095564	BTAF1	chr10	+	93778527	93780058	no
1807	3.83e-16	-4.05	ENSG00000072958	AP1M1	chr19	+	16169731	16169879	no
1807	3.83e-16	-2.84	ENSG00000072958	AP1M1	chr19	+	16206224	16207149	no
1808	3.83e-16	-3.1	ENSG00000065154	OAT	chr10	-	126075866	126076661	no
1809	3.87e-16	-2.9	ENSG00000136811	ODF2	chr9	+	130258157	130258355	yes,JnId_h_79304
1809	3.87e-16	-4.11	ENSG00000136811	ODF2	chr9	+	130259298	130259537	yes,JnId_h_79304
1809	3.87e-16	-2.12	ENSG00000136811	ODF2	chr9	+	130287465	130287574	yes,JnId_h_79308
1809	3.87e-16	-2.3	ENSG00000136811	ODF2	chr9	+	130302167	130303060	no
1810	4.04e-16	-4.42	ENSG00000100350	FOXRED2	chr22	-	35232905	35233015	yes,JnId_h_54321
1810	4.04e-16	-3.24	ENSG00000100350	FOXRED2	chr22	-	35223984	35224390	no
1811	4.23e-16	-6.85	ENSG00000161999	Q6GMW5	chr16	-	674235	674530	no
1812	4.28e-16	-38.87	ENSG00000159055	C21orf45	chr21	-	32563889	32563985	no
1812	4.28e-16	-110.53	ENSG00000159055	C21orf45	chr21	-	32562403	32563299	no
1813	4.34e-16	-3.3	ENSG00000114686	MRPL3	chr3	-	132663736	132664409	no
1814	4.38e-16	-2.12	ENSG00000068305	MEF2A	chr15	+	98029248	98029385	yes,JnId_h_28203
1815	4.67e-16	-2.49	ENSG00000169599	NFU1	chr2	-	69476403	69476926	no
1816	4.68e-16	-2.21	ENSG00000041357	PSMA4	chr15	+	76628187	76628591	no
1817	4.89e-16	-4.93	ENSG00000096063	SRPK1	chr6	-	35996223	35996942	yes,JnId_b_54621
1818	4.97e-16	-3.86	ENSG00000136868	SLC31A1	chr9	+	115062373	115066593	no
1819	4.98e-16	-2.31	ENSG00000123992	DNPEP	chr2	-	219960542	219960981	no
1819	4.98e-16	-2.25	ENSG00000123992	DNPEP	chr2	-	219946512	219947308	no
1820	5.09e-16	-2.53	ENSG00000146067	Q96PV7	chr5	-	176912775	176914114	yes,JnId_h_66550
1820	5.09e-16	-2.49	ENSG00000146067	Q96PV7	chr5	-	176891560	176891807	"yes,JnId_h_66545;JnId_h_66546"
1821	5.2e-16	-3.52	ENSG00000154144	TBRG1	chr11	+	124007199	124010497	no
1822	5.23e-16	-2.6	ENSG00000104064	GABPB2	chr15	-	48356681	48358273	no
1823	5.52e-16	-2.27	ENSG00000156970	BUB1B	chr15	+	38300057	38300627	no
1824	5.6e-16	-9.48	ENSG00000079950	STX7	chr6	-	132820747	132823682	no
1825	5.74e-16	-4.08	ENSG00000147050	UTX	chrX	+	44855571	44856791	no
1826	5.82e-16	-2.77	ENSG00000047188	YTHDC2	chr5	+	112957078	112958878	no
1827	6.31e-16	-4.62	ENSG00000169439	SDC2	chr8	+	97690789	97693213	no
1828	7,00E-16	-2.11	ENSG00000130703	OSBPL2	chr20	+	60268432	60268576	no
1828	7,00E-16	-3.95	ENSG00000130703	OSBPL2	chr20	+	60302236	60304664	no
1829	7.15e-16	-5.56	ENSG00000198355	PIM3	chr22	+	48740165	48740684	yes,JnId_h_55139
1830	7.29e-16	-4.2	ENSG00000137563	GGH	chr8	-	64090197	64090566	no
1831	7.84e-16	-2.41	ENSG00000099875	MKMK2	chr19	-	2002095	2002233	no
1831	7.84e-16	-2.55	ENSG00000099875	MKMK2	chr19	-	2001800	2001946	no
1832	8.09e-16	-3.55	ENSG00000128602	SMO	chr7	+	128615949	128616559	no
1833	8.21e-16	-2.1	ENSG00000100216	TOMM22	chr22	+	37409718	37410709	no
1834	8.38e-16	-2.85	ENSG00000101224	CDC25B	chr20	+	3724401	3725378	yes,JnId_b_40312
1835	8.47e-16	-5.18	ENSG00000100600	LGMN	chr14	-	92284587	92284765	no
1835	8.47e-16	-5.82	ENSG00000100600	LGMN	chr14	-	92239910	92240459	no
1836	8.55e-16	-4.1	ENSG00000108001	EBF3	chr10	-	131523537	131526214	no
1837	8.84e-16	-2.01	ENSG00000180817	PPA1	chr10	-	71639320	71639447	no
1837	8.84e-16	-6	ENSG00000180817	PPA1	chr10	-	71632592	71632948	no
1838	9.1e-16	-2.61	ENSG00000033627	ATP6V0A1	chr17	+	37864388	37864507	no
1838	9.1e-16	-2.18	ENSG00000033627	ATP6V0A1	chr17	+	37875634	37875762	no
1839	9.28e-16	-3.08	ENSG00000023516	AKAP11	chr13	+	41791224	41795403	no
1840	9.37e-16	-2.1	ENSG00000072571	HMMR	chr5	+	162843653	162843829	no
1840	9.37e-16	-5.9	ENSG00000072571	HMMR	chr5	+	162850696	162851523	no
1841	9.58e-16	-2.78	ENSG00000138802	SEC24B	chr4	+	110574320	110574607	no
1841	9.58e-16	-2.06	ENSG00000138802	SEC24B	chr4	+	110680166	110681058	no
1842	1.02e-15	-2.62	ENSG00000108021	C10orf18	chr10	+	5844501	5844615	no
1842	1.02e-15	-5.09	ENSG00000108021	C10orf18	chr10	+	5844998	5845709	no
1843	1.06e-15	-2.99	ENSG00000108641	Q9UPM9	chr17	-	19191175	19191237	yes,JnId_h_33786
1843	1.06e-15	-10.46	ENSG00000108641	Q9UPM9	chr17	-	19187082	19187367	yes,JnId_h_33784
1844	1.10e-15	-2.58	ENSG00000183579	ZNRF3	chr22	+	27779567	27783475	no
1845	1.12e-15	-2.52	ENSG00000074695	LMAN1	chr18	-	55148088	55149341	no
1846	1.15e-15	-4.48	ENSG00000163818	LZTFL1	chr3	-	45840461	45842828	no
1847	1.19e-15	-7.77	ENSG00000013306	SLC25A39	chr17	-	39757605	39757710	no

1848	1.22e-15	-2.09	ENSG00000065427	KARS	chr16	-	74238977	74239078	yes,JnId_h_31728
1848	1.22e-15	-5.51	ENSG00000065427	KARS	chr16	-	74235682	74235861	yes,JnId_h_31727
1848	1.22e-15	-2.19	ENSG00000065427	KARS	chr16	-	74219131	74219392	no
1849	1.25e-15	-2.13	ENSG00000105983	LMBR1	chr7	-	156166332	156169618	no
1850	1.30e-15	-2.06	ENSG00000066135	JMJD2A	chr1	+	43905212	43905349	no
1850	1.30e-15	-2.93	ENSG00000066135	JMJD2A	chr1	+	43929754	43929830	no
1850	1.30e-15	-4.62	ENSG00000066135	JMJD2A	chr1	+	43942488	43943773	no
1851	1.31e-15	-198.88	ENSG00000123353	ORMDL2	chr12	+	54500311	54501736	no
1852	1.33e-15	-3.61	ENSG00000063245	EPN1	chr19	+	60878404	60878613	no
1853	1.4e-15	-2.01	ENSG00000115761	NOL10	chr2	-	10747373	10747549	no
1853	1.4e-15	-2.51	ENSG00000115761	NOL10	chr2	-	10729131	10729267	no
1853	1.4e-15	-3.88	ENSG00000115761	NOL10	chr2	-	10628343	10629767	no
1854	1.41e-15	-4.75	ENSG00000166582	PRR6	chr17	-	16197066	16197538	no
1854	1.41e-15	-2.95	ENSG00000166582	PRR6	chr17	-	16186574	16186980	yes,JnId_h_33554
1855	1.43e-15	-2.54	ENSG00000136930	PSMB7	chr9	-	126155566	126155809	no
1856	1.44e-15	-2.47	ENSG00000109586	GALNT7	chr4	+	174479306	174481692	no
1857	1.45e-15	-6.57	ENSG00000012061	ERCC1	chr19	-	50618879	50619017	no
1857	1.45e-15	-7.41	ENSG00000012061	ERCC1	chr19	-	50618368	50618642	yes,JnId_h_43043
1857	1.45e-15	-3.96	ENSG00000012061	ERCC1	chr19	-	50609959	50610058	"yes,JnId_h_43037;JnId_h_43036"
1857	1.45e-15	-10.39	ENSG00000012061	ERCC1	chr19	-	50608533	50608843	yes,JnId_h_43035
1858	1.46e-15	-5.82	ENSG00000169241	RAG1AP1	chr1	+	153374444	153374780	no
1859	1.50e-15	-3.54	ENSG00000111725	PRKAB1	chr12	+	118602436	118603799	no
1860	1.52e-15	-2.45	ENSG00000137207	YIPF3	chr6	-	43589304	43589437	no
1861	1.53e-15	-3.24	ENSG00000055130	CUL1	chr7	+	148094586	148094748	yes,JnId_h_73857
1861	1.53e-15	-2.07	ENSG00000055130	CUL1	chr7	+	148095644	148095774	no
1861	1.53e-15	-4.04	ENSG00000055130	CUL1	chr7	+	148128527	148129056	no
1862	1.55e-15	-2.59	ENSG00000135931	ARMC9	chr2	+	231917931	231918151	no
1862	1.55e-15	-3.89	ENSG00000135931	ARMC9	chr2	+	231944468	231946850	no
1863	1.58e-15	-2.39	ENSG00000125630	POLR1B	chr2	+	113016084	113016719	no
1863	1.58e-15	-2.64	ENSG00000125630	POLR1B	chr2	+	113023315	113023447	no
1864	1.58e-15	-5.39	ENSG00000020129	NCDN	chr1	+	35795661	35796411	yes,JnId_h_2198
1865	1.60e-15	-2.17	ENSG00000120008	BRWD2	chr10	+	122600685	122601008	no
1865	1.60e-15	-2.1	ENSG00000120008	BRWD2	chr10	+	122658058	122659026	no
1866	1.65e-15	-4.74	ENSG00000100105	PATZ1	chr22	-	30066667	30067669	yes,JnId_h_54105
1867	1.65e-15	-15.05	ENSG00000115738	ID2	chr2	+	8741266 8741997	no	
1868	1.66e-15	-9.75	ENSG00000058729	RIOK2	chr5	-	96522327	96524685	no
1869	1.79e-15	-2.15	ENSG00000156787	WDR67	chr8	+	124154101	124154267	no
1870	1.82e-15	-7.8	ENSG00000141140	MYOHD1	chr17	-	31964701	31965376	no
1870	1.82e-15	-2.67	ENSG00000141140	MYOHD1	chr17	-	31925601	31926363	no
1871	1.93e-15	-3.5	ENSG00000123130	ACOT9	chrX	-	23634666	23635238	no
1871	1.93e-15	-3.67	ENSG00000123130	ACOT9	chrX	-	23630310	23632020	no
1872	1.94e-15	-4.72	ENSG00000100239	SAPS2	chr22	+	49128626	49128845	no
1872	1.94e-15	-3.75	ENSG00000100239	SAPS2	chr22	+	49177162	49177310	"yes,JnId_h_55235;JnId_h_55236"
1872	1.94e-15	-2.29	ENSG00000100239	SAPS2	chr22	+	49226096	49226321	no
1872	1.94e-15	-3.21	ENSG00000100239	SAPS2	chr22	+	49229161	49229412	no
1872	1.94e-15	-3.32	ENSG00000100239	SAPS2	chr22	+	49229494	49230380	no
1873	1.95e-15	-4.79	ENSG00000133119	RFC3	chr13	+	33308241	33309633	no
1874	1.98e-15	-2.1	ENSG00000137575	SDCBP	chr8	+	59628282	59628416	no
1875	2.06e-15	-4.01	ENSG00000070718	AP3M2	chr8	+	42145636	42147857	no
1876	2.12e-15	-4.45	ENSG00000172660	TAF15	chr17	+	31198023	31198350	no
1877	2.13e-15	-2.08	ENSG00000111300	C12orf30	chr12	-	110948877	110951840	no
1877	2.13e-15	-7.56	ENSG00000133641	C12orf29	chr12	+	86966142	86968067	no
1879	2.19e-15	-2.25	ENSG00000101901	CXorf45	chrX	+	110857498	110857654	no
1879	2.19e-15	-4.26	ENSG00000101901	CXorf45	chrX	+	110889618	110890528	no
1880	2.21e-15	-3.15	ENSG00000112972	HMGCS1	chr5	-	43325255	43327079	no
1881	2.26e-15	-2.7	ENSG00000126214	KLC1	chr14	+	103223171	103223301	no
1882	2.28e-15	-2.71	ENSG00000153406	NMRAL1	chr16	-	4464095 4464794	"yes,JnId_b_22982;JnId_b_22983;JnId_b_22983;JnId_b_22984;JnId_b_22984"	
1883	2.35e-15	-2.67	ENSG00000109689	STIM2	chr4	+	26471409	26472089	yes,JnId_b_48985
1883	2.35e-15	-2.65	ENSG00000109689	STIM2	chr4	+	26633239	26636101	no
1884	2.49e-15	-2.23	ENSG00000174442	ZWILCH	chr15	+	64627743	64628866	no
1885	2.54e-15	-3.46	ENSG00000124275	MTRR	chr5	+	7953027 7954237	no	
1886	2.99e-15	-2.96	ENSG00000188419	CHM	chrX	-	85002841	85006482	no
1887	3.01e-15	-3.23	ENSG00000101843	PSMD10	chrX	-	107218366	107218736	no
1888	3.20e-15	-3.21	ENSG00000139218	SFRS2IP	chr12	-	44601459	44602244	no

1889	3.38e-15	-2.2	ENSG00000101210	EEF1A2	chr20	-	61599417	61599631	no	
1889	3.38e-15	-7.48	ENSG00000101210	EEF1A2	chr20	-	61589810	61590222	no	
1890	3.42e-15	-4.81	ENSG00000113845	C3orf1	chr3	+	120725143	120725810	no	
1891	3.60e-15	-3.78	ENSG00000171204	TMEM126B	chr11	+	85024738	85025210	no	
1892	3.71e-15	-5.27	ENSG00000135525	MAP7	chr6	-	136913173	136913485	no	
1892	3.71e-15	-6.81	ENSG00000135525	MAP7	chr6	-	136705566	136707069	no	
1893	3.87e-15	-2.25	ENSG00000088986	DYNLL1	chr12	+	119420259	119420679	no	
1894	3.98e-15	-3.64	ENSG00000100092	SH3BP1	chr22	+	36381225	36381995	no	
1895	4.23e-15	-4.13	ENSG00000145220	LYAR_HUMAN	chr4	-	4320329	4320651	no	
1896	4.24e-15	-2.58	ENSG00000057663	ATG5	chr6	-	106739044	106741244	no	
1897	4.33e-15	-2	ENSG00000142945	KIF2C	chr1	+	44993009	44993104	no	
1897	4.33e-15	-3.02	ENSG00000142945	KIF2C	chr1	+	45005356	45006026	no	
1898	4.47e-15	-2.29	ENSG00000177595	LRDD	chr11	-	789185	790244	yes	JnId_h_12050
1899	4.5e-15	-2.67	ENSG00000067177	PHKA1	chrX	-	71715389	71717750	no	
1900	4.5e-15	-4.34	ENSG00000063854	HAGH	chr16	-	1816714	1817163	no	
1901	4.55e-15	-3.49	ENSG00000198837	DENND4B	chr1	-	152185397	152185796	no	
1902	4.61e-15	-8.31	ENSG00000083937	CHMP2B	chr3	+	87385552	87387338	no	
1903	4.62e-15	-4.58	ENSG00000115966	ATF2	chr2	-	175645228	175647809	no	
1904	4.76e-15	-2.84	ENSG00000095139	ARCN1	chr11	+	117948321	117948475	no	
1904	4.76e-15	-2.41	ENSG00000095139	ARCN1	chr11	+	117957171	117957434	no	
1905	4.84e-15	-13.99	ENSG00000174840	Q8IYU3	chr3	+	57520329	57522721	no	
1906	4.9e-15	-2.14	ENSG00000159479	MED8	chr1	-	43622175	43623364	no	
1907	4.9e-15	-3.36	ENSG00000126254	Q8N5R7	chr19	+	40820184	40820427	no	
1908	5,00E-15	-2.99	ENSG00000178691	SUZ12	chr17	+	27288185	27288652	no	
1908	5,00E-15	-3.76	ENSG00000178691	SUZ12	chr17	+	27349790	27352162	no	
1909	5.26e-15	-3.18	ENSG00000165476	REEP3	chr10	+	65050579	65054887	no	
1910	5.38e-15	-2.29	ENSG00000105486	LIG1	chr19	-	53312707	53312850	no	
1910	5.38e-15	-3.34	ENSG00000105486	LIG1	chr19	-	53310942	53311034	no	
1910	5.38e-15	-2.15	ENSG00000105486	LIG1	chr19	-	53310515	53310801	no	
1911	5.39e-15	-5.65	ENSG00000166965	RCCD1	chr15	+	89305852	89307357	no	
1912	5.74e-15	-2.61	ENSG00000139436	GIT2	chr12	-	108851992	108855378	no	
1913	5.78e-15	-4.09	ENSG00000072803	FBXW11	chr5	-	171366067	171366482	yes	JnId_h_66278
1914	6.55e-15	-5.96	ENSG00000189079	ARID2	chr12	+	44584984	44588086	no	
1915	6.59e-15	-5.4	ENSG00000164338	UTP15	chr5	+	72911458	72913540	no	
1916	7,00E-15	-2.79	ENSG00000198000	NOL8	chr9	-	94127409	94127659	no	
1916	7,00E-15	-2.79	ENSG00000198000	NOL8	chr9	-	94126126	94126763	no	
1916	7,00E-15	-3.47	ENSG00000198000	NOL8	chr9	-	94099461	94099989	no	
1917	7,00E-15	-20.73	ENSG00000189337	Q6ZUD1	chr1	+	15259255	15262705	yes	JnId_h_846
1918	7.2e-15	-6.06	ENSG00000143515	ATP8B2	chr1	+	152564654	152564802	no	
1918	7.2e-15	-3.87	ENSG00000143515	ATP8B2	chr1	+	152587940	152590407	no	
1919	7.38e-15	-2.82	ENSG00000182541	LIMK2	chr22	+	30002775	30003624	yes	JnId_h_54101
1919	7.38e-15	-2.3	ENSG00000182541	LIMK2	chr22	+	30004283	30006066	no	
1920	7.5e-15	-6.14	ENSG00000076382	SPAG5	chr17	-	23950041	23950424	no	
1920	7.5e-15	-7.61	ENSG00000076382	SPAG5	chr17	-	23930286	23930397	no	
1920	7.5e-15	-9.37	ENSG00000076382	SPAG5	chr17	-	23929518	23929673	no	
1920	7.5e-15	-11.62	ENSG00000076382	SPAG5	chr17	-	23928735	23928915	no	
1921	7.84e-15	-2.26	ENSG00000141698	NT5C3L	chr17	-	37234998	37235435	no	
1922	8.15e-15	-2.28	ENSG00000115414	FN1	chr2	-	216008623	216009041	no	
1922	8.15e-15	-2.63	ENSG00000115414	FN1	chr2	-	215965899	215966171	yes	JnId_h_48987
1923	8.32e-15	-2.66	ENSG00000105671	DDX49	chr19	+	18899937	18900436	no	
1924	8.36e-15	-10.22	ENSG00000174672	BRSK2	chr11	+	1367707	1368181	no	
1924	8.36e-15	-5.04	ENSG00000174672	BRSK2	chr11	+	1438306	1439551	no	
1925	8.72e-15	-2.54	ENSG00000165675	ENOX2	chrX	-	129618236	129618350	no	
1925	8.72e-15	-3.63	ENSG00000165675	ENOX2	chrX	-	129585031	129587100	no	
1926	8.78e-15	-3.56	ENSG00000111276	CDKN1B	chr12	+	12765237	12766569	no	
1927	9.62e-15	-3.55	ENSG00000134987	WDR36	chr5	+	110490331	110494099	no	
1928	9.97e-15	-2.29	ENSG00000104312	RIPK2	chr8	+	90871448	90872432	no	
1929	1.02e-14	-4.09	ENSG00000118454	ANKRD13C	chr1	-	70498859	70501118	no	
1930	1.02e-14	-2.49	ENSG00000136875	PRPF4	chr9	+	115077444	115077871	no	
1930	1.02e-14	-2.06	ENSG00000136875	PRPF4	chr9	+	115093568	115095287	no	
1931	1.08e-14	-3.12	ENSG00000171792	C12orf32	chr12	+	2867338	2868885	no	
1932	1.09e-14	-2.29	ENSG00000100207	TCF20	chr22	-	40885963	40887308	no	
1933	1.09e-14	-2.82	ENSG00000186543	Q6ZWC0	chr1	-	16819927	16823960	yes	JnId_h_952
1934	1.10e-14	-3.83	ENSG00000112983	BRD8	chr5	-	137524479	137524656	yes	JnId_h_65387

1934	1.10e-14	-3.73	ENSG00000112983	BRD8	chr5	-	137523657	137523761	yes,JnId_h_65387
1934	1.10e-14	-5.73	ENSG00000112983	BRD8	chr5	-	137520485	137520855	yes,JnId_h_65387
1935	1.11e-14	-2.13	ENSG00000122203	KIAA1191	chr5	-	175721211	175721415	no
1935	1.11e-14	-3.65	ENSG00000122203	KIAA1191	chr5	-	175705674	175707417	no
1936	1.12e-14	-4.04	ENSG00000165671	NSD1	chr5	+	176494711	176495637	yes,JnId_h_66440
1936	1.12e-14	-2.55	ENSG00000102172	SMS	chrX	+	21868612	21868912	no
1936	1.12e-14	-2.46	ENSG00000102172	SMS	chrX	+	21922351	21922874	no
1938	1.14e-14	-17.92	ENSG00000173846	PLK3	chr1	+	45043746	45049479	no
1939	1.23e-14	-3.32	ENSG00000054267	ARID4B	chr1	-	233458249	233459323	no
1939	1.23e-14	-2.04	ENSG00000054267	ARID4B	chr1	-	233407554	233407851	no
1939	1.23e-14	-2.32	ENSG00000054267	ARID4B	chr1	-	233396835	233398590	no
1940	1.25e-14	-4.2	ENSG00000005059	CCDC109B	chr4	+	110828120	110829312	no
1941	1.26e-14	-3.88	ENSG00000135241	PNPLA10P	chr7	-	107898104	107900355	no
1942	1.28e-14	-2.21	ENSG00000165698	C9orf9	chr9	+	134753498	134755409	no
1943	1.29e-14	-2.83	ENSG00000139687	RB1	chr13	+	47775912	47776186	no
1943	1.29e-14	-2.23	ENSG00000139687	RB1	chr13	+	47839631	47839740	no
1943	1.29e-14	-2.82	ENSG00000139687	RB1	chr13	+	47952135	47954123	no
1944	1.31e-14	-2.05	ENSG00000048991	R3HDM1	chr2	+	136005541	136005673	yes,JnId_b_38445
1944	1.31e-14	-2.79	ENSG00000048991	R3HDM1	chr2	+	136078846	136079056	yes,JnId_h_47668
1944	1.31e-14	-2.32	ENSG00000048991	R3HDM1	chr2	+	136095534	136095648	yes,JnId_b_38445
1944	1.31e-14	-3.38	ENSG00000048991	R3HDM1	chr2	+	136105901	136106041	yes,JnId_b_38445
1944	1.31e-14	-4.75	ENSG00000048991	R3HDM1	chr2	+	136115576	136115830	yes,JnId_h_47673
1944	1.31e-14	-3.96	ENSG00000048991	R3HDM1	chr2	+	136197977	136199306	no
1944	1.31e-14	-6.73	ENSG00000101040	ZMYND8	chr20	-	45299482	45301289	no
1944	1.31e-14	-2.02	ENSG00000101040	ZMYND8	chr20	-	45271266	45272949	no
1946	1.36e-14	-2.33	ENSG00000116062	MSH6	chr2	+	47887095	47887294	no
1946	1.36e-14	-3.48	ENSG00000116062	MSH6	chr2	+	47887422	47887588	no
1947	1.42e-14	-2.9	ENSG00000147457	CHMP7	chr8	+	23159705	23160452	yes,JnId_b_59836
1948	1.43e-14	-2.48	ENSG00000135763	KIAA0133	chr1	+	227861470	227862569	no
1949	1.46e-14	-5.13	ENSG00000139579	OBFC2B	chr12	+	54909065	54909904	yes,JnId_b_14337
1950	1.48e-14	-5.53	ENSG00000130520	LSM4	chr19	-	18294828	18294958	no
1951	1.49e-14	-3.26	ENSG0000017260	ATP2C1	chr3	+	132095712	132095871	no
1951	1.49e-14	-3.33	ENSG0000017260	ATP2C1	chr3	+	132096124	132096309	no
1951	1.49e-14	-2.99	ENSG0000017260	ATP2C1	chr3	+	132199140	132199287	no
1951	1.49e-14	-2.02	ENSG0000017260	ATP2C1	chr3	+	132201052	132201193	no
1952	1.51e-14	-13.39	ENSG00000115317	HTRA2	chr2	+	74610040	74611147	no
1952	1.51e-14	-7.02	ENSG00000115317	HTRA2	chr2	+	74612202	74612337	no
1953	1.53e-14	-4.33	ENSG00000163029	SMC6	chr2	-	17708560	17710361	yes,JnId_h_44487
1954	1.54e-14	-4.55	ENSG00000143653	SCCPDH	chr1	+	244997120	244998062	no
1955	1.55e-14	-6.27	ENSG00000100890	KIAA0391	chr14	+	34813569	34816571	no
1956	1.55e-14	-2.38	ENSG00000137776	SLTM	chr15	-	56958537	56959598	no
1957	1.55e-14	-4.52	ENSG00000111653	ING4	chr12	-	6629710	6630661	no
1958	1.57e-14	-2.98	ENSG00000124702	KLHDC3	chr6	+	43094349	43094435	no
1958	1.57e-14	-3.56	ENSG00000124702	KLHDC3	chr6	+	43096383	43097010	no
1959	1.59e-14	-2.33	ENSG00000188603	CLN3	chr16	-	28401149	28401494	"yes,JnId_h_30003;JnId_h_30004;JnId_h_30004"
1960	1.61e-14	-2.46	ENSG00000176393	RNPEP	chr1	+	200218375	200218864	no
1961	1.69e-14	-9.38	ENSG00000105887	MTPN	chr7	-	135262051	135262336	no
1962	1.69e-14	-2.72	ENSG00000070367	EXOC5	chr14	-	56738954	56745268	no
1963	1.69e-14	-5.6	ENSG00000174227	PIGG	chr4	+	514629	517770	no
1964	1.75e-14	-2.33	ENSG00000165688	PMPCA	chr9	+	138430564	138430828	no
1965	1.80e-14	-4.75	ENSG00000140474	ULK3	chr15	-	72922398	72922740	no
1966	1.83e-14	-2.86	ENSG00000156639	ZFAND3	chr6	+	37895285	37895770	no
1967	1.89e-14	-4.01	ENSG00000204619	PPP1R11	chr6	+	30143962	30144454	no
1968	1.91e-14	-3.19	ENSG00000013455	ARPC1A	chr7	+	98761446	98761563	no
1968	1.91e-14	-3.52	ENSG00000013455	ARPC1A	chr7	+	98799102	98799192	no
1968	1.91e-14	-7.02	ENSG00000013455	ARPC1A	chr7	+	98801450	98801821	no
1969	2.03e-14	-3.44	ENSG00000186716	BCR	chr22	+	21987620	21990224	no
1970	2.03e-14	-2.45	ENSG00000141646	SMAD4	chr18	+	46858624	46860142	no
1971	2.05e-14	-2.67	ENSG00000113597	Q9H8I3	chr5	+	64978638	64978765	yes,JnId_h_64169
1971	2.05e-14	-2.26	ENSG00000113597	Q9H8I3	chr5	+	64989951	64990084	no
1971	2.05e-14	-6.39	ENSG00000113597	Q9H8I3	chr5	+	64996087	64997648	no
1972	2.07e-14	-10.12	ENSG00000160710	ADAR	chr1	-	152847092	152847306	yes,JnId_h_5658
1973	2.18e-14	-6.25	ENSG00000066084	DIP2B	chr12	+	49358729	49360309	no
1973	2.18e-14	-2.27	ENSG00000066084	DIP2B	chr12	+	49424637	49428717	yes,JnId_b_13976

1974	2.2e-14	-2.6	ENSG00000104067	TJP1	chr15	-	27901497	27902010	no		
1975	2.21e-14		-3.5	ENSG00000064601	CTSA	chr20	+	43952190	43953808	yes,JnId_h_51439	
1976	2.28e-14		-5.43	ENSG00000005339	CREBBP	chr16	-	3869834	3870723	no	
1977	2.35e-14		-3.7	ENSG00000137710	RDX	chr11	-	109672402	109672647	no	
1978	2.5e-14	-4.08		ENSG00000127150	C14orf153	chr14	+	103126271	103128261	yes,JnId_h_25377	
1979	2.5e-14	-2.46		ENSG00000198431	TXNRD1	chr12	+	103204857	103205254	yes,JnId_h_19574	
1979	2.5e-14	-2.92		ENSG00000198431	TXNRD1	chr12	+	103206688	103206948	yes,JnId_h_19574	
1980	2.54e-14		-5.85	ENSG00000100084	HIRA	chr22	-	17798963	17799219	no	
1980	2.54e-14		-2.52	ENSG00000100084	HIRA	chr22	-	17698224	17699079	no	
1981	2.6e-14	-4.36		ENSG00000101255	TRIB3	chr20	+	309273	309813	no	
1982	2.83e-14		-8.92	ENSG00000111790	FGFR10P2	chr12	+	27008796	27010124	no	
1983	2.84e-14		-4.8	ENSG00000117593	DARS2	chr1	+	172093279	172094307	no	
1984	3.1e-14	-4.94		ENSG00000173085	COQ2	chr4	-	84424689	84425091	no	
1984	3.1e-14	-5.33		ENSG00000173085	COQ2	chr4	-	84404003	84404540	no	
1985	3.3e-14	-7.11		ENSG00000185608	MRPL40	chr22	+	17799425	17800130	no	
1986	3.34e-14		-2.4	ENSG00000077254	USP33	chr1	-	77934260	77935747	no	
1987	3.34e-14		-2.81	ENSG00000062650	WAPAL	chr10	-	88184993	88187345	no	
1988	3.36e-14		-2.82	ENSG00000118420	C6orf157	chr6	-	83783588	83785574	no	
1988	3.36e-14		-4.44	ENSG00000086504	MRPL28	chr16	-	357437	357783	no	
1990	3.59e-14		-2.4	ENSG00000184640	9-Sep	chr17	+	73006200	73008269	yes,JnId_b_29532	
1991	3.61e-14		-7.36	ENSG00000038274	MAT2B	chr5	+	162862809	162863008	no	
1991	3.61e-14		-5.02	ENSG00000038274	MAT2B	chr5	+	162877777	162878904	no	
1992	3.71e-14		-12.35	ENSG00000100865	Q86TU0	chr14	-	101879116	101880479	no	
1992	3.71e-14		-2.89	ENSG00000179632	MAF1	chr8	+	145231306	145231749	no	
1994	3.72e-14		-2.74	ENSG00000167792	NDUFV1	chr11	+	67136419	67136581	no	
1994	3.72e-14		-3.12	ENSG00000064932	SBNO2	chr19	-	1105183	1105401	no	
1994	3.72e-14		-2.03	ENSG00000064932	SBNO2	chr19	-	1073413	1073557	no	
1994	3.72e-14		-3.11	ENSG00000064932	SBNO2	chr19	-	1058641	1059703	no	
1994	3.72e-14		-3.66	ENSG00000090054	SPTLC1	chr9	-	93833248	93834661	no	
1997	3.93e-14		-2.48	ENSG00000196419	XRCC6	chr22	+	40387281	40387394	yes,JnId_b_44050	
1998	3.98e-14		-3.97	ENSG00000198952	SMG5	chr1	-	154519022	154519240	no	
1999	4.04e-14		-2.1	ENSG00000182718	ANXA2P1	chr15	-	58426643	58427180	no	
2000	4.05e-14		-3.13	ENSG00000143575	HAX1	chr1	+	152511611	152511876	no	
2001	4.05e-14		-2.34	ENSG00000087087	Q7Z4Y3	chr7	+	100310671	100310885	yes,JnId_b_58367	
2001	4.05e-14		-3.13	ENSG00000087087	Q7Z4Y3	chr7	+	100323575	100323700	yes,JnId_h_72859	
2001	4.05e-14		-2.95	ENSG00000087087	Q7Z4Y3	chr7	+	100323814	100323940	yes,JnId_b_58388	
2001	4.05e-14		-4.48	ENSG00000087087	Q7Z4Y3	chr7	+	100324031	100324221	yes,JnId_b_58389	
2002	4.52e-14		-3.03	ENSG00000080189	SLC35C2	chr20	-	44420433	44421004	no	
2002	4.52e-14		-4.45	ENSG00000080189	SLC35C2	chr20	-	44411574	44412570	no	
2003	4.56e-14		-2.13	ENSG00000144136	SLC20A1	chr2	+	113136912	113137867	no	
2004	4.62e-14		-2.03	ENSG00000169299	PGM2	chr4	+	37507981	37508148	no	
2004	4.62e-14		-6.6	ENSG00000169299	PGM2	chr4	+	37539526	37540953	no	
2005	4.83e-14		-3.11	ENSG00000100393	EP300	chr22	+	39817736	39819048	no	
2005	4.83e-14		-3.28	ENSG00000100393	EP300	chr22	+	39878156	39878300	no	
2006	4.89e-14		-2.02	ENSG00000117360	PRPF3	chr1	+	148583534	148583647	no	
2006	4.89e-14		-3.76	ENSG00000117360	PRPF3	chr1	+	148585118	148585236	no	
2006	4.89e-14		-5.8	ENSG00000117360	PRPF3	chr1	+	148591933	148592295	no	
2007	5.02e-14		-4.59	ENSG00000116688	MFN2	chr1	+	11962956	11963128	no	
2007	5.02e-14		-2.72	ENSG00000116688	MFN2	chr1	+	11964614	11964758	no	
2008	5.06e-14		-8.8	ENSG00000124532	MRS2L	chr6	+	24531144	24531683	no	
2008	5.06e-14		-3.07	ENSG00000124532	MRS2L	chr6	+	24531791	24533789	no	
2009	5.16e-14		-2.05	ENSG00000107929	LARP5	chr10	-	872343	872446	no	
2009	5.16e-14		-3.04	ENSG00000107929	LARP5	chr10	-	845482	849153	no	
2010	5.28e-14		-2.18	ENSG00000107651	SEC23IP	chr10	+	121679109	121679264	no	
2010	5.28e-14		-4.01	ENSG00000107651	SEC23IP	chr10	+	121690088	121691648	no	
2011	5.6e-14	-2.72		ENSG00000151240	DIP2C	chr10	-	725434	725606	no	
2011	5.6e-14	-4.19		ENSG00000151240	DIP2C	chr10	-	458764	458973	yes,JnId_h_8658	
2011	5.6e-14	-8.12		ENSG00000151240	DIP2C	chr10	-	310130	313517	yes,JnId_h_8652	
2012	5.78e-14		-2.23	ENSG00000204197	KIFC1	chr6	+	33467291	33467752	no	
2012	5.78e-14		-3.55	ENSG00000204197	KIFC1	chr6	+	33485401	33485679	no	
2013	5.84e-14		-6.5	ENSG00000153015	SDCCAG10	chr5	+	64349742	64350346	no	
2014	5.87e-14		-22.12	ENSG00000144827	ABHD10	chr3	+	113192914	113194896	no	
2015	5.97e-14		-2.15	ENSG00000008294	SPAG9	chr17	-	46479735	46479829	no	
2015	5.97e-14		-2.66	ENSG00000008294	SPAG9	chr17	-	46397988	46398747	no	

2016	6.14e-14	-2.52	ENSG00000142871	CYR61	chr1	+	85819005	85819318	no	
2016	6.14e-14	-4.16	ENSG00000142871	CYR61	chr1	+	85821011	85822233	no	
2017	6.15e-14	-2.2	ENSG00000152782	PANK1	chr10	-	91332726	91334202	no	
2018	6.3e-14	-2.31	ENSG00000171208	NETO2	chr16	-	45734991	45735409	no	
2018	6.3e-14	-2	ENSG00000171208	NETO2	chr16	-	45672943	45675213	no	
2019	6.39e-14	-3.59	ENSG00000153339	KIAA1012	chr18	-	27663902	27664950	no	
2020	6.59e-14	-3.69	ENSG00000198752	CDC42BPB	chr14	-	102593089	102593552	no	
2020	6.59e-14	-2.79	ENSG00000198752	CDC42BPB	chr14	-	102514216	102514295	yes	JnId_h_25324
2020	6.59e-14	-2.91	ENSG00000198752	CDC42BPB	chr14	-	102500592	102500740	yes	JnId_h_25308
2020	6.59e-14	-2.49	ENSG00000198752	CDC42BPB	chr14	-	102499151	102499245	yes	JnId_h_25308
2021	6.9e-14	-2.88	ENSG00000088838	THRAP4	chr17	-	35428881	35429424	no	
2022	7.29e-14	-3.48	ENSG00000173933	RBM4	chr11	+	66170074	66170515	no	
2023	7.62e-14	-2.26	ENSG00000197498	BXDC1	chr6	+	111453299	111453996	no	
2024	7.62e-14	-2.32	ENSG00000135250	SRPK2	chr7	-	104560687	104560787	no	
2024	7.62e-14	-4.36	ENSG00000135250	SRPK2	chr7	-	104544060	104545705	no	
2025	7.8e-14	-7.14	ENSG00000150961	SEC24D	chr4	-	119863427	119864258	no	
2026	8.21e-14	-5.91	ENSG00000146223	RPL7L1	chr6	+	42955344	42955667	no	
2027	8.22e-14	-3.45	ENSG00000119718	EIF2B2	chr14	+	74544178	74544244	no	
2027	8.22e-14	-5.98	ENSG00000119718	EIF2B2	chr14	+	74545487	74546045	no	
2028	8.34e-14	-2.53	ENSG00000093009	CDC45L	chr22	+	17847416	17847542	no	
2028	8.34e-14	-2.48	ENSG00000093009	CDC45L	chr22	+	17850213	17850350	yes	JnId_h_53302
2028	8.34e-14	-3.25	ENSG00000093009	CDC45L	chr22	+	17884050	17884168	yes	JnId_b_42750
2028	8.34e-14	-5.38	ENSG00000093009	CDC45L	chr22	+	17884340	17884416	no	
2029	8.37e-14	-4.08	ENSG00000152952	PLOD2	chr3	-	147361358	147361972	no	
2029	8.37e-14	-2.46	ENSG00000152952	PLOD2	chr3	-	147269922	147271349	no	
2030	8.39e-14	-2.69	ENSG00000143537	ADAM15	chr1	+	153290386	153290565	no	
2030	8.39e-14	-3.55	ENSG00000143537	ADAM15	chr1	+	153301560	153301876	no	
2031	8.51e-14	-3.61	ENSG00000173894	CBX2	chr17	+	75370090	75370926	no	
2032	8.63e-14	-2.82	ENSG00000110851	PRDM4	chr12	-	106650774	106652429	no	
2033	8.8e-14	-4.49	ENSG00000112697	TMEM30A	chr6	-	76019360	76022731	no	
2034	9.15e-14	-4.25	ENSG0000014919	COX15	chr10	-	101481707	101482413	no	
2034	9.15e-14	-3.37	ENSG0000014919	COX15	chr10	-	101461591	101464465	no	
2035	9.26e-14	-4.6	ENSG00000115947	ORC4L	chr2	-	148408202	148409737	no	
2036	9.52e-14	-2.01	ENSG00000164209	SLC25A46	chr5	+	110124803	110128760	no	
2037	1.02e-13	-2.35	ENSG00000025434	NR1H3	chr11	+	47238536	47238802	no	
2038	1.02e-13	-3.04	ENSG00000173692	PSMD1	chr2	+	231651617	231651705	no	
2038	1.02e-13	-2.63	ENSG00000173692	PSMD1	chr2	+	231743524	231743679	no	
2039	1.05e-13	-8.52	ENSG00000147804	SLC39A4	chr8	-	145609429	145609581	no	
2040	1.05e-13	-3.31	ENSG00000197694	SPTAN1	chr9	+	130368838	130369077	yes	JnId_h_79348
2040	1.05e-13	-3.42	ENSG00000197694	SPTAN1	chr9	+	130377299	130377445	yes	JnId_h_79348
2040	1.05e-13	-2.3	ENSG00000197694	SPTAN1	chr9	+	130384579	130384656	yes	JnId_h_79356
2041	1.12e-13	-3.16	ENSG00000156858	PRR14	chr16	+	30574854	30575234	no	
2042	1.13e-13	-2.54	ENSG00000162735	PEX19	chr1	-	158513223	158516048	no	
2043	1.17e-13	-8.61	ENSG00000166710	B2M	chr15	+	42797097	42797649	no	
2044	1.19e-13	-2.6	ENSG00000156875	HIAT1	chr1	+	100320147	100321521	no	
2045	1.24e-13	-3.13	ENSG00000062725	APPBP2	chr17	-	55884023	55884188	no	
2045	1.24e-13	-6.02	ENSG00000062725	APPBP2	chr17	-	55875302	55879977	no	
2046	1.27e-13	-5.01	ENSG00000120733	JMJD1B	chr5	+	137716184	137716575	no	
2047	1.27e-13	-3.15	ENSG00000138663	COPS4	chr4	+	84215474	84215994	no	
2048	1.31e-13	-3.93	ENSG00000198648	STK39	chr2	-	168811980	168812191	no	
2048	1.31e-13	-3.44	ENSG00000198648	STK39	chr2	-	168518777	168520326	no	
2049	1.32e-13	-2.73	ENSG00000136933	RABEPK	chr9	+	127022639	127024487	no	
2050	1.32e-13	-2.56	ENSG00000072110	ACTN1	chr14	-	68515422	68515747	no	
2050	1.32e-13	-2.81	ENSG00000072110	ACTN1	chr14	-	68421245	68421353	no	
2050	1.32e-13	-2.53	ENSG00000072110	ACTN1	chr14	-	68413552	68413710	no	
2050	1.32e-13	-5.69	ENSG00000072110	ACTN1	chr14	-	68410793	68411487	no	
2051	1.33e-13	-2.25	ENSG00000087470	DNM1L	chr12	+	32787555	32789750	no	
2052	1.33e-13	-4.36	ENSG00000089154	GCN1L1	chr12	-	119112484	119112586	yes	JnId_b_15932
2052	1.33e-13	-2.32	ENSG00000089154	GCN1L1	chr12	-	119106298	119106429	yes	JnId_b_15932
2052	1.33e-13	-2.12	ENSG00000089154	GCN1L1	chr12	-	119101038	119101136	yes	JnId_b_15932
2052	1.33e-13	-3.04	ENSG00000089154	GCN1L1	chr12	-	119098329	119098403	yes	JnId_b_15932
2052	1.33e-13	-2.52	ENSG00000089154	GCN1L1	chr12	-	119083677	119083770	yes	JnId_b_15932
2052	1.33e-13	-2.13	ENSG00000089154	GCN1L1	chr12	-	119077157	119077227	yes	JnId_b_15932
2052	1.33e-13	-4.03	ENSG00000089154	GCN1L1	chr12	-	119049399	119050161	no	

2053	1.47e-13	-2.89	ENSG00000172500	FIBP	chr11	-	65407787	65408090	no	
2054	1.48e-13	-3.32	ENSG00000115107	STEAP3	chr2	+	119704666	119705080	no	
2055	1.51e-13	-3.39	ENSG00000165792	METT11D1	chr14	+	20527805	20528076	no	
2056	1.53e-13	-2.78	ENSG00000117862	TXNDC12	chr1	-	52293260	52294431	no	
2057	1.55e-13	-2.05	ENSG00000186575	NF2	chr22	+	28329563	28330101	no	
2057	1.55e-13	-3.28	ENSG00000186575	NF2	chr22	+	28420741	28424583	no	
2058	1.56e-13	-2.78	ENSG00000125885	MCM8	chr20	+	5879298	5879723	no	
2058	1.56e-13	-2.81	ENSG00000125885	MCM8	chr20	+	5922945	5923852	no	
2059	1.61e-13	-4.16	ENSG00000162961	DPY30_HUMAN	chr2	-	32102465	32102829	no	
2060	1.72e-13	-5.04	ENSG00000097007	ABL1	chr9	+	132579089	132579663	no	
2061	1.73e-13	-2.64	ENSG00000162434	JAK1	chr1	-	65117296	65117419	no	
2061	1.73e-13	-5.03	ENSG00000162434	JAK1	chr1	-	65103058	65103243	no	
2061	1.73e-13	-2.07	ENSG00000162434	JAK1	chr1	-	65084920	65085007	no	
2061	1.73e-13	-3.96	ENSG00000162434	JAK1	chr1	-	65079516	65079610	no	
2061	1.73e-13	-2.68	ENSG00000162434	JAK1	chr1	-	65074369	65074486	no	
2061	1.73e-13	-2.88	ENSG00000162434	JAK1	chr1	-	65071500	65072928	no	
2062	1.84e-13	-2.54	ENSG00000153936	HS2ST1	chr1	+	87336109	87336697	no	
2063	1.91e-13	-2.21	ENSG00000117139	JARID1B	chr1	-	200963149	200964924	no	
2064	1.92e-13	-10.58	ENSG00000100473	COCH	chr14	+	30428573	30429573	no	
2065	1.95e-13	-4.37	ENSG00000152127	MGAT5	chr2	+	134725638	134728685	yes,JnId_b_38415	
2066	1.96e-13	-2.62	ENSG00000169679	BUB1	chr2	-	111111883	111112208	no	
2067	2.16e-13	-4.48	ENSG00000145817	YIPF5	chr5	-	143517924	143520316	no	
2068	2.23e-13	-3.21	ENSG00000114631	PODXL2	chr3	+	128830729	128830822	no	
2068	2.23e-13	-2.99	ENSG00000114631	PODXL2	chr3	+	128873801	128874334	no	
2069	2.29e-13	-2.11	ENSG00000117155	SSX2IP	chr1	-	84909448	84909579	no	
2069	2.29e-13	-2.35	ENSG00000117155	SSX2IP	chr1	-	84894103	84894276	yes,JnId_h_4040	
2069	2.29e-13	-5.56	ENSG00000117155	SSX2IP	chr1	-	84881978	84885878	no	
2070	2.3e-13	-2.3	ENSG00000103037	SETD6	chr16	+	57107196	57107502	yes,JnId_h_30876	
2070	2.3e-13	-5.46	ENSG00000103037	SETD6	chr16	+	57110129	57111051	no	
2071	2.62e-13	-2.23	ENSG00000168906	MAT2A	chr2	+	85624304	85625912	no	
2072	2.71e-13	-6.54	ENSG00000167775	CD320	chr19	-	8273011	8273489	no	
2073	2.74e-13	-4.07	ENSG00000167114	SLC27A4	chr9	+	130142661	130142938	no	
2073	2.74e-13	-4.56	ENSG00000167114	SLC27A4	chr9	+	130162434	130163322	no	
2074	2.79e-13	-3.13	ENSG00000062822	POLD1	chr19	+	55612241	55612338	no	
2074	2.79e-13	-6.17	ENSG00000062822	POLD1	chr19	+	55612911	55613082	no	
2075	2.91e-13	-2.41	ENSG00000103855	CD276	chr15	+	71763675	71763854	no	
2076	2.93e-13	-2.2	ENSG00000140848	CPNE2	chr16	+	55737498	55739377	yes,JnId_h_30772	
2077	2.94e-13	-6.85	ENSG00000160691	SHC1	chr1	-	153209132	153209847	no	
2077	2.94e-13	-2.32	ENSG00000160691	SHC1	chr1	-	153201398	153203031	no	
2078	3.00E-13	-2.78	ENSG00000107816	LZTS2	chr10	+	102749223	102752693	no	
2079	3.00e-13	-2.75	ENSG00000197594	ENPP1	chr6	+	132253174	132257988	no	
2080	3.03e-13	-6.36	ENSG00000077514	POLD3	chr11	+	73981277	73981411	no	
2080	3.03e-13	-2.07	ENSG00000077514	POLD3	chr11	+	74008710	74008782	no	
2080	3.03e-13	-8.16	ENSG00000077514	POLD3	chr11	+	74029257	74031413	no	
2081	3.04e-13	-3.86	ENSG00000141736	ERBB2	chr17	+	35137468	35138441	no	
2082	3.05e-13	-5.76	ENSG00000085382	HACE1	chr6	-	105414135	105414867	no	
2082	3.05e-13	-5.03	ENSG00000085382	HACE1	chr6	-	105339553	105341982	yes,JnId_b_55679	
2082	3.05e-13	-6.03	ENSG00000085382	HACE1	chr6	-	105282661	105284332	no	
2083	3.13e-13	-2.33	ENSG00000158156	XKR8	chr1	+	28158560	28159460	no	
2084	3.16e-13	-4.2	ENSG00000125485	DDX31	chr9	-	134458205	134460320	no	
2085	3.29e-13	-2.32	ENSG00000137074	APTX	chr9	-	32979757	32980086	yes,JnId_h_77248	
2086	3.32e-13	-2.41	ENSG00000127337	YEATS4	chr12	+	68045837	68045931	yes,JnId_h_19017	
2086	3.32e-13	-7.16	ENSG00000127337	YEATS4	chr12	+	68070194	68070842	no	
2087	3.33e-13	-3.23	ENSG00000119392	GLE1L	chr9	+	130306792	130307004	yes,JnId_b_63618	
2087	3.33e-13	-6.47	ENSG00000119392	GLE1L	chr9	+	130341716	130341975	no	
2087	3.33e-13	-4	ENSG00000119392	GLE1L	chr9	+	130343202	130344398	no	
2088	3.33e-13	-15.54	ENSG00000148248	SURF4	chr9	-	135232614	135232791	no	
2088	3.33e-13	-7.44	ENSG00000148248	SURF4	chr9	-	135218146	135220456	no	
2089	3.44e-13	-3.55	ENSG00000100968	NFATC4	chr14	+	23916684	23918645	no	
2090	3.49e-13	-6.54	ENSG00000132128	LRRC41	chr1	-	46541383	46541867	no	
2091	3.53e-13	-2.09	ENSG00000147533	GOLGA7	chr8	+	41467238	41467293	no	
2091	3.53e-13	-6.81	ENSG00000147533	GOLGA7	chr8	+	41486260	41487650	no	
2092	3.78e-13	-2.02	ENSG00000116539	ASH1L	chr1	-	153571683	153574166	no	
2093	3.84e-13	-2.71	ENSG00000110435	PDHX	chr11	+	34973037	34974092	no	

2094	3.85e-13	-2.21	ENSG00000100926	TM9SF1	chr14	-	23728203	23728854	no
2095	3.94e-13	-3.02	ENSG00000075914	EXOSC7	chr3	+	45027731	45027889	no
2096	3.97e-13	-5.51	ENSG00000134748	PRPF38A	chr1	+	52654908	52656580	yes,JnId_b_2647
2096	3.97e-13	-2.08	ENSG00000042429	CRSP6	chr11	+	93170349	93170533	no
2096	3.97e-13	-7.62	ENSG00000042429	CRSP6	chr11	+	93184667	93186102	no
2098	4.15e-13	-2.63	ENSG00000169905	TOR1AIP2	chr1	-	178075725	178082586	no
2099	4.31e-13	-2.58	ENSG00000095319	NUP188	chr9	+	130754873	130754946	no
2099	4.31e-13	-4.15	ENSG00000095319	NUP188	chr9	+	130759052	130759139	no
2099	4.31e-13	-2.29	ENSG00000095319	NUP188	chr9	+	130760902	130760994	no
2100	4.4e-13	-2.07	ENSG00000044446	PHKA2	chrX	-	18911894	18912637	no
2100	4.4e-13	-2.57	ENSG00000044446	PHKA2	chrX	-	18820339	18821694	no
2101	4.4e-13	-2.05	ENSG00000135801	TAF5L	chr1	-	227828255	227828417	no
2102	4.4e-13	-2.35	ENSG00000189308	LIN54	chr4	-	84065167	84068480	no
2103	4.52e-13	-2.3	ENSG00000066427	ATXN3	chr14	-	91618397	91618563	no
2103	4.52e-13	-7.75	ENSG00000066427	ATXN3	chr14	-	91598887	91600511	no
2104	4.62e-13	-3.77	ENSG00000013375	PGM3	chr6	-	83955052	83955236	no
2104	4.62e-13	-2.01	ENSG00000013375	PGM3	chr6	-	83936743	83936916	no
2104	4.62e-13	-6.39	ENSG00000013375	PGM3	chr6	-	83933025	83935761	no
2105	4.88e-13	-3.45	ENSG00000169139	UBE2V2	chr8	+	49116860	49118294	no
2106	5.02e-13	-3.18	ENSG00000025039	RRAGD	chr6	-	90131074	90134645	no
2107	5.17e-13	-3.42	ENSG00000138709	LARP2	chr4	+	129350461	129351737	no
2108	5.18e-13	-5.09	ENSG00000112685	EXOC2	chr6	-	430139	431764	no
2109	5.32e-13	-2.45	ENSG00000062716	TMEM49	chr17	+	55139811	55139891	no
2109	5.32e-13	-3.27	ENSG00000062716	TMEM49	chr17	+	55271911	55273235	no
2110	5.4e-13	-2.13	ENSG00000075218	GTSE1	chr22	+	45107643	45108257	no
2111	5.69e-13	-3.3	ENSG00000161526	SAP30BP	chr17	+	71214015	71215733	no
2112	5.88e-13	-3.51	ENSG00000141480	ARRB2	chr17	+	4560533	4560788	"yes,JnId_h_32713;JnId_h_32714"
2112	5.88e-13	-4.3	ENSG00000141480	ARRB2	chr17	+	4570594	4570684	yes,JnId_b_26169
2113	5.9e-13	-2.4	ENSG00000125633	CCDC93	chr2	-	118482591	118482704	no
2113	5.9e-13	-2.06	ENSG00000125633	CCDC93	chr2	-	118389524	118394442	no
2114	6.38e-13	-2.21	ENSG00000105771	C19orf61	chr19	-	48927148	48927666	no
2115	6.53e-13	-2.16	ENSG00000080822	CLDND1	chr3	-	99717045	99718413	no
2116	6.65e-13	-5.63	ENSG00000077522	ACTN2	chr1	+	234981393	234981575	no
2117	6.69e-13	-2.49	ENSG00000072364	AFF4	chr5	-	132326850	132327225	no
2117	6.69e-13	-2.65	ENSG00000072364	AFF4	chr5	-	132255408	132255995	no
2117	6.69e-13	-3	ENSG00000072364	AFF4	chr5	-	132251437	132251573	no
2117	6.69e-13	-2.68	ENSG00000072364	AFF4	chr5	-	132238970	132244777	no
2118	6.75e-13	-2.51	ENSG00000113360	RNASEN	chr5	-	31551318	31551428	yes,JnId_h_63599
2118	6.75e-13	-5.15	ENSG00000113360	RNASEN	chr5	-	31436926	31437426	no
2119	6.87e-13	-2.73	ENSG00000157014	TATDN2	chr3	+	10295905	10297900	no
2120	6.94e-13	-3.77	ENSG00000100403	ZC3H7B	chr22	+	40027513	40027722	no
2120	6.94e-13	-2.01	ENSG00000100403	ZC3H7B	chr22	+	40083127	40086097	no
2121	7.28e-13	-2.3	ENSG00000119203	CPSF3	chr2	+	9517111	9517198	no
2121	7.28e-13	-3.56	ENSG00000119203	CPSF3	chr2	+	9530496	9530681	no
2122	7.66e-13	-2.43	ENSG00000134250	NOTCH2	chr1	-	120413471	120413799	no
2122	7.66e-13	-2.5	ENSG00000134250	NOTCH2	chr1	-	120266782	120266924	no
2123	7.68e-13	-14.2	ENSG00000178498	DTX3	chr12	+	56284874	56286302	"yes,JnId_h_18746;JnId_h_18747;JnId_h_18747"
2124	7.68e-13	-3.47	ENSG00000125991	ERGIC3	chr20	+	33593192	33593348	no
2125	7.77e-13	-3.82	ENSG00000085788	DDHD2	chr8	+	38214764	38214884	yes,JnId_h_74970
2125	7.77e-13	-3.64	ENSG00000085788	DDHD2	chr8	+	38218925	38219060	yes,JnId_h_74971
2125	7.77e-13	-2.17	ENSG00000085788	DDHD2	chr8	+	38224388	38224510	no
2125	7.77e-13	-2.65	ENSG00000085788	DDHD2	chr8	+	38228587	38228703	no
2125	7.77e-13	-6.01	ENSG00000085788	DDHD2	chr8	+	38237275	38239436	no
2126	7.9e-13	-2.27	ENSG00000175634	RPS6KB2	chr11	+	66958629	66958741	no
2126	7.9e-13	-2.53	ENSG00000175634	RPS6KB2	chr11	+	66959036	66959454	no
2127	8.05e-13	-3.2	ENSG00000071564	TCF3	chr19	-	1561964	1562848	"yes,JnId_h_39458;JnId_h_39459;JnId_h_39459"
2128	8.18e-13	-9.51	ENSG00000163655	GMPS	chr3	+	157071019	157071380	yes,JnId_h_59649
2128	8.18e-13	-5.97	ENSG00000163655	GMPS	chr3	+	157122670	157122785	no
2129	8.18e-13	-4	ENSG00000005955	ZNF403	chr17	+	31974917	31975059	no
2129	8.18e-13	-4.48	ENSG00000005955	ZNF403	chr17	+	32019751	32020387	no
2130	8.66e-13	-3.28	ENSG00000132294	A0PJL1	chr8	+	133092219	133094951	no
2131	8.78e-13	-2.53	ENSG00000103091	WDR59	chr16	-	73464975	73465843	no
2132	1.04e-12	-3.05	ENSG00000106246	PTCD1	chr7	-	98852298	98855708	no
2133	1.05e-12	-2.28	ENSG00000116871	MAP7D1	chr1	+	36394153	36394651	no

2133	1.05e-12	-2.3	ENSG00000116871	MAP7D1	chr1	+	36418436	36419037	no	
2134	1.08e-12	-2.52	ENSG00000164917	A4D1Z4	chr7	+	4797272	4800552	no	
2135	1.11e-12	-5.01	ENSG00000115306	SPTBN1	chr2	+	54607013	54607207	no	
2135	1.11e-12	-4.88	ENSG00000115306	SPTBN1	chr2	+	54639035	54639528	yes	JnId_h_45691
2135	1.11e-12	-2.55	ENSG00000115306	SPTBN1	chr2	+	54718354	54718444	yes	JnId_h_45704
2135	1.11e-12	-5.76	ENSG00000115306	SPTBN1	chr2	+	54740577	54741098	no	
2136	1.12e-12	-5.09	ENSG00000121749	TBC1D15	chr12	+	70603030	70604364	no	
2137	1.15e-12	-4.64	ENSG00000124380	SNUT3_HUMAN	chr2	+	69983817	69983881	no	
2137	1.15e-12	-7.52	ENSG00000124380	SNUT3_HUMAN	chr2	+	69984890	69985852	no	
2138	1.16e-12	-4.25	ENSG00000109046	WSB1	chr17	+	22663363	22664772	no	
2139	1.16e-12	-2.82	ENSG00000085491	SLC25A24	chr1	-	108478965	108480982	no	
2140	1.17e-12	-3.13	ENSG00000163629	PTPN13	chr4	+	87954633	87955326	no	
2141	1.21e-12	-4.6	ENSG00000135372	NAT10	chr11	+	34086334	34086456	no	
2141	1.21e-12	-2.88	ENSG00000135372	NAT10	chr11	+	34093946	34094007	no	
2141	1.21e-12	-2.04	ENSG00000135372	NAT10	chr11	+	34117314	34117410	no	
2141	1.21e-12	-2.41	ENSG00000135372	NAT10	chr11	+	34121568	34121651	no	
2141	1.21e-12	-4.03	ENSG00000135372	NAT10	chr11	+	34124207	34125033	no	
2142	1.22e-12	-2.24	ENSG00000090006	LTBP4	chr19	+	45797148	45797302	no	
2142	1.22e-12	-2.82	ENSG00000090006	LTBP4	chr19	+	45802781	45802972	no	
2143	1.26e-12	-2.02	ENSG00000178741	COX5A	chr15	-	73003042	73003164	yes	JnId_h_27428
2143	1.26e-12	-4.73	ENSG00000178741	COX5A	chr15	-	72999674	72999836	no	
2144	1.27e-12	-2.65	ENSG00000131089	ARHGEF9	chrX	-	62833730	62833909	no	
2144	1.27e-12	-3.63	ENSG00000131089	ARHGEF9	chrX	-	62771572	62774814	no	
2145	1.28e-12	-3.15	ENSG00000137876	C15orf15	chr15	-	53260813	53261715	no	
2146	1.29e-12	-2.48	ENSG00000109180	OCIAD1	chr4	+	48553987	48554139	no	
2146	1.29e-12	-2.59	ENSG00000109180	OCIAD1	chr4	+	48557499	48558022	no	
2147	1.35e-12	-7.1	ENSG00000156110	ADK	chr10	+	76138085	76139067	no	
2148	1.38e-12	-3.04	ENSG00000151353	TMEM18	chr2	-	665758	666162	yes	JnId_h_44162
2149	1.44e-12	-2.98	ENSG00000142173	COL6A2	chr21	+	46373245	46374147	no	
2150	1.46e-12	-2.87	ENSG00000153207	AHCTF1	chr1	-	245069023	245070923	no	
2151	1.46e-12	-4.84	ENSG00000075856	SART3	chr12	-	107440487	107441541	yes	JnId_h_19724
2152	1.46e-12	-4.75	ENSG00000197930	ERO1L	chr14	-	52178357	52180098	no	
2153	1.50e-12	-3.65	ENSG00000120688	WBP4	chr13	+	40554840	40556142	no	
2154	1.51e-12	-2.54	ENSG00000094880	CDC23	chr5	-	137551259	137552736	yes	JnId_h_65425
2155	1.57e-12	-3.91	ENSG00000105618	PRPF31	chr19	+	59310649	59310989	no	
2155	1.57e-12	-2.5	ENSG00000105618	PRPF31	chr19	+	59324459	59324557	no	
2156	1.57e-12	-2.5	ENSG00000177189	RPS6KA3	chrX	-	20115867	20116009	no	
2156	1.57e-12	-3.88	ENSG00000177189	RPS6KA3	chrX	-	20077950	20083559	no	
2157	1.58e-12	-2.08	ENSG00000143398	PIP5K1A	chr1	+	149486963	149488636	no	
2158	1.58e-12	-2.16	ENSG00000114993	RTKN	chr2	-	74522341	74522568	no	
2159	1.6e-12	-4.82	ENSG00000180098	TRSPAP1	chr1	+	28776599	28777638	no	
2160	1.60e-12	-3.27	ENSG00000144909	OSBPL11	chr3	-	126777723	126777899	no	
2160	1.60e-12	-9.52	ENSG00000144909	OSBPL11	chr3	-	126730392	126732114	no	
2161	1.61e-12	-2.21	ENSG00000198900	TOP1	chr20	+	39090876	39091154	no	
2161	1.61e-12	-3.54	ENSG00000198900	TOP1	chr20	+	39185249	39186541	no	
2162	1.64e-12	-2.65	ENSG00000022277	C20orf43	chr20	+	54526550	54527345	no	
2163	1.67e-12	-2.53	ENSG00000163938	GNL3	chr3	+	52703093	52703159	no	
2164	1.68e-12	-3.75	ENSG00000112742	TTK	chr6	+	80808555	80808958	no	
2165	1.69e-12	-2.19	ENSG00000132382	MYBBP1A	chr17	-	4404063	4404137	no	
2165	1.69e-12	-2.95	ENSG00000132382	MYBBP1A	chr17	-	4388948	4390011	no	
2166	1.72e-12	-7.12	ENSG00000104365	IKKBK	chr8	+	42247986	42248144	no	
2166	1.72e-12	-8.69	ENSG00000104365	IKKBK	chr8	+	42295945	42297519	"yes	JnId_h_75115;JnId_h_75116;JnId_h_75116"
2166	1.72e-12	-6.5	ENSG00000104365	IKKBK	chr8	+	42307589	42309130	no	
2167	1.75e-12	-2.04	ENSG00000109111	SUPT6H	chr17	+	24026115	24026307	no	
2167	1.75e-12	-2.64	ENSG00000109111	SUPT6H	chr17	+	24026546	24026630	no	
2167	1.75e-12	-4.88	ENSG00000109111	SUPT6H	chr17	+	24052584	24053375	no	
2168	1.81e-12	-3.2	ENSG00000136783	NIPSNAP3A	chr9	+	106561364	106562226	no	
2169	1.90e-12	-2.96	ENSG00000104872	PIH1D1	chr19	-	54642407	54642536	no	
2170	1.94e-12	-3.65	ENSG00000130177	CDC16	chr13	+	114048470	114048817	no	
2170	1.94e-12	-2.01	ENSG00000130177	CDC16	chr13	+	114055761	114056300	no	
2171	1.98e-12	-4.09	ENSG00000136717	BIN1	chr2	-	127580906	127581334	no	
2171	1.98e-12	-6.45	ENSG00000136717	BIN1	chr2	-	127522107	127522679	no	
2172	2.04e-12	-3.15	ENSG00000113812	ACTR8	chr3	-	53876195	53877929	no	
2173	2.1e-12	-3.79	ENSG00000180957	PITPNB	chr22	-	26645160	26645255	no	

2173	2.1e-12	-2.2	ENSG00000180957	PITPNB	chr22	-	26577658	26579651	no	
2174	2.12e-12		-11.29	ENSG00000198211	MC1R	chr16	+	88513168	88514117	no
2175	2.16e-12		-3.06	ENSG00000123684	LPGAT1	chr1	-	209983422	209990015	no
2176	2.27e-12		-2.69	ENSG00000138434	SSFA2	chr2	+	182502533	182503707	no
2177	2.29e-12		-5.74	ENSG00000118260	CREB1	chr2	+	208169883	208171806	no
2178	2.32e-12		-2.68	ENSG00000100519	PSMC6	chr14	+	52247878	52247992	no
2179	2.34e-12		-5.08	ENSG00000139514	SLC7A1	chr13	-	29067553	29067721	no
2179	2.34e-12		-4.13	ENSG00000139514	SLC7A1	chr13	-	28989004	28989447	no
2180	2.39e-12		-2.12	ENSG00000145907	G3BP1	chr5	+	151163639	151165106	no
2181	2.44e-12		-3.84	ENSG00000121064	SCPEP1	chr17	+	52438533	52439123	no
2182	2.47e-12		-2.22	ENSG00000005810	MYCBP2	chr13	-	76715942	76716087	yes,JnId_h_22116
2182	2.47e-12		-2.26	ENSG00000005810	MYCBP2	chr13	-	76516793	76517629	no
2183	2.48e-12		-2.29	ENSG00000163482	STK36	chr2	+	219258052	219258195	no
2183	2.48e-12		-2.47	ENSG00000163482	STK36	chr2	+	219265110	219265260	no
2183	2.48e-12		-5.59	ENSG00000163482	STK36	chr2	+	219274833	219275678	no
2184	2.56e-12		-2.72	ENSG00000136104	RNASEH2B	chr13	+	50381815	50382277	no
2185	2.6e-12	-3.17		ENSG00000108854	SMURF2	chr17	-	60088409	60088848	no
2185	2.6e-12	-5.21		ENSG00000108854	SMURF2	chr17	-	59971197	59972527	no
2186	2.69e-12		-2.01	ENSG00000110344	UBE4A	chr11	+	117748432	117748612	no
2186	2.69e-12		-2.16	ENSG00000110344	UBE4A	chr11	+	117772239	117775132	no
2187	2.78e-12		-4.59	ENSG00000187555	USP7	chr16	-	8964565	8964842	no
2187	2.78e-12		-3.07	ENSG00000187555	USP7	chr16	-	8903440	8903545	no
2187	2.78e-12		-3.23	ENSG00000187555	USP7	chr16	-	8894851	8895462	no
2188	2.81e-12		-3.75	ENSG00000197785	ATAD3A	chr1	+	1437394	1437716	no
2188	2.81e-12		-4.69	ENSG00000197785	ATAD3A	chr1	+	1459169	1459930	no
2189	2.81e-12		-3.83	ENSG00000147383	NSDHL	chrX	+	151787984	151788929	no
2190	2.82e-12		-2.86	ENSG00000122970	IFT81	chr12	+	109140232	109140414	no
2191	2.83e-12		-4.17	ENSG00000105329	TGFB1	chr19	-	46528254	46528955	no
2192	2.86e-12		-2.34	ENSG00000204310	AGPAT1	chr6	-	32251569	32251877	no
2193	2.96e-12		-4.5	ENSG00000117118	SDHB	chr1	-	17217804	17218040	no
2194	2.98e-12		-2.48	ENSG00000160094	ZNF362	chr1	+	33537118	33538907	no
2195	3.00E-12		-7.91	ENSG00000124177	CHD6	chr20	-	39558863	39560280	yes,JnId_h_51282
2196	3.05e-12		-3.19	ENSG00000115183	TANC1	chr2	+	159741109	159741275	yes,JnId_h_47920
2196	3.05e-12		-2.53	ENSG00000115183	TANC1	chr2	+	159794335	159797412	no
2197	3.08e-12		-9.38	ENSG00000069998	CECR5	chr22	-	16020016	16020169	yes,JnId_h_53147
2197	3.08e-12		-4.7	ENSG00000069998	CECR5	chr22	-	15998401	15999247	no
2198	3.14e-12		-2.94	ENSG00000110717	NDUFS8	chr11	+	67554670	67554776	no
2199	3.19e-12		-12.34	ENSG00000100938	Q7Z527	chr14	+	23771488	23771893	yes,JnId_b_18344
2199	3.19e-12		-2.75	ENSG00000100938	Q7Z527	chr14	+	23777635	23778285	yes,JnId_h_23217
2200	3.22e-12		-2.97	ENSG00000170266	GLB1	chr3	-	33013114	33013840	no
2201	3.28e-12		-3.05	ENSG00000145331	RG9MTD2	chr4	-	100686910	100689536	no
2202	3.34e-12		-19.13	ENSG00000176444	CLK2	chr1	-	153509616	153509931	no
2202	3.34e-12		-11.26	ENSG00000176444	CLK2	chr1	-	153500636	153500715	yes,JnId_h_5784
2202	3.34e-12		-6.76	ENSG00000176444	CLK2	chr1	-	153499283	153499815	no
2203	3.48e-12		-2.95	ENSG00000012983	MAP4K5	chr14	-	50068410	50068626	no
2203	3.48e-12		-4.82	ENSG00000012983	MAP4K5	chr14	-	49954999	49956574	no
2204	3.55e-12		-4.88	ENSG00000104231	ZFAND1	chr8	-	82776513	82777655	no
2205	3.55e-12		-4.41	ENSG00000182872	RBM10	chrX	+	46930059	46930133	no
2205	3.55e-12		-4.75	ENSG00000182872	RBM10	chrX	+	46930601	46930730	no
2205	3.55e-12		-9.48	ENSG00000182872	RBM10	chrX	+	46930817	46931154	no
2206	3.62e-12		-2.23	ENSG00000006744	ELAC2	chr17	-	12861745	12862049	no
2206	3.62e-12		-3.39	ENSG00000006744	ELAC2	chr17	-	12858481	12858538	no
2206	3.62e-12		-2.39	ENSG00000006744	ELAC2	chr17	-	12842454	12842550	yes,JnId_h_33445
2206	3.62e-12		-2.11	ENSG00000006744	ELAC2	chr17	-	12838467	12838545	no
2206	3.62e-12		-3.25	ENSG00000006744	ELAC2	chr17	-	12836435	12837087	no
2207	3.65e-12		-2.95	ENSG00000174799	CEP135	chr4	+	56592283	56594283	no
2208	3.67e-12		-3.25	ENSG00000198160	MIER1	chr1	+	67184421	67184884	yes,JnId_h_3763
2208	3.67e-12		-3.3	ENSG00000198160	MIER1	chr1	+	67222843	67226302	yes,JnId_h_3772
2209	3.79e-12		-2.5	ENSG00000143458	Q8NAR5	chr1	+	149357057	149364642	no
2210	3.79e-12		-3.47	ENSG00000138029	HADHB	chr2	+	26366290	26366840	no
2211	3.84e-12		-3.98	ENSG00000013561	RNF14	chr5	+	141347482	141348934	no
2212	3.96e-12		-3.92	ENSG00000166166	C14orf172	chr14	+	103070640	103073161	no
2213	4.07e-12		-2.08	ENSG00000111581	NUP107	chr12	+	67395674	67395787	no
2213	4.07e-12		-2.43	ENSG00000111581	NUP107	chr12	+	67399625	67399701	no

2213	4.07e-12	-3.76	ENSG00000111581	NUP107	chr12	+	67413499	67413659	no
2213	4.07e-12	-3.48	ENSG00000111581	NUP107	chr12	+	67414755	67414880	no
2213	4.07e-12	-6.64	ENSG00000111581	NUP107	chr12	+	67421860	67422027	no
2214	4.13e-12	-2.11	ENSG0000009830	POMT2	chr14	-	76811054	76813577	no
2215	4.17e-12	-2.91	ENSG00000185420	SMYD3	chr1	-	243979267	243979589	no
2216	4.32e-12	-3.74	ENSG00000120727	PAIP2	chr5	+	138732321	138733307	no
2217	4.38e-12	-6.42	ENSG00000185065	Q6P5X5	chr22	-	17809056	17811194	no
2218	4.53e-12	-8.07	ENSG00000088899	A2A2Q7	chr20	-	3095351 3097207	no	
2219	4.63e-12	-2.38	ENSG00000064961	HMG20B	chr19	+	3529507 3530073	no	
2220	4.65e-12	-2.84	ENSG00000141127	PRPSAP2	chr17	+	18774578	18775305	no
2221	4.7e-12	-5.52	ENSG00000163071	SPATA18	chr4	+	52655803	52658215	no
2222	4.78e-12	-3.54	ENSG00000167774	NDUFA7	chr19	-	8282234 8282479	yes,JnId_b_31987	
2223	4.82e-12	-2.57	ENSG00000090316	MAEA	chr4	+	1322862 1323924	no	
2224	5.04e-12	-3.22	ENSG00000068078	FGFR3	chr4	+	1770779 1771048	no	
2224	5.04e-12	-3.44	ENSG00000068078	FGFR3	chr4	+	1774439 1774589	yes,JnId_h_60613	
2224	5.04e-12	-2.32	ENSG00000068078	FGFR3	chr4	+	1778641 1780396	no	
2225	5.04e-12	-7.95	ENSG00000198015	MRPL42	chr12	+	92419083	92420562	no
2226	5.18e-12	-2.47	ENSG00000204410	MSH5	chr6	+	31838176	31838924	no
2227	5.35e-12	-4.03	ENSG00000183093	MRPL12	chr17	+	77280812	77281010	no
2227	5.35e-12	-4.52	ENSG00000183093	MRPL12	chr17	+	77284559	77284951	no
2228	5.39e-12	-4.02	ENSG00000023608	SNAPC1	chr14	+	61331420	61332898	no
2229	5.41e-12	-2.06	ENSG00000145901	TNIP1	chr5	-	150440634	150440762	yes,JnId_h_65976
2230	5.41e-12	-2.59	ENSG00000158850	B4GALT3	chr1	-	159413837	159413938	no
2230	5.41e-12	-2.19	ENSG00000158850	B4GALT3	chr1	-	159407724	159408503	no
2231	5.46e-12	-8.64	ENSG00000145494	NDUFS6	chr5	+	1868965 1869168	no	
2232	5.59e-12	-6.39	ENSG00000168005	Q68CV7	chr11	+	63337436	63337861	no
2232	5.59e-12	-3.16	ENSG00000168005	Q68CV7	chr11	+	63350976	63351727	no
2233	5.7e-12	-2.29	ENSG00000101940	WDR13	chrX	+	48340810	48341369	"yes,JnId_h_81137;JnId_h_81139"
2234	5.7e-12	-2.07	ENSG00000138160	KIF11	chr10	+	94359122	94359246	yes,JnId_h_10490
2234	5.7e-12	-2.31	ENSG00000138160	KIF11	chr10	+	94403402	94405130	no
2235	5.7e-12	-2.63	ENSG00000196576	PLXNB2	chr22	-	49058991	49059075	yes,JnId_b_44378
2235	5.7e-12	-2.43	ENSG00000196576	PLXNB2	chr22	-	49055535	49056364	no
2236	5.84e-12	-12.67	ENSG00000110066	SUV420H1	chr11	-	67680083	67683214	no
2237	5.87e-12	-4.29	ENSG00000115020	PIP5K3	chr2	+	208877815	208878514	no
2237	5.87e-12	-2.43	ENSG00000115020	PIP5K3	chr2	+	208928159	208931720	no
2238	5.91e-12	-2.17	ENSG00000182621	PLCB1	chr20	+	8810269 8813547	no	
2239	6,00E-12	-2.06	ENSG00000068120	COASY	chr17	+	37967663	37967763	no
2239	6,00E-12	-2.15	ENSG00000068120	COASY	chr17	+	37971450	37971821	no
2240	6.01e-12	-2.56	ENSG00000100330	MTMR3	chr22	+	28751619	28753869	no
2241	6.17e-12	-2.25	ENSG00000114770	ABCC5	chr3	-	185120420	185121883	no
2242	6.21e-12	-3.13	ENSG00000118418	HMGN3	chr6	-	79967685	79968162	no
2243	6.33e-12	-4.19	ENSG00000123240	OPTN	chr10	+	13182088	13182308	no
2243	6.33e-12	-2.04	ENSG00000123240	OPTN	chr10	+	13191103	13191294	no
2243	6.33e-12	-11.63	ENSG00000123240	OPTN	chr10	+	13218751	13220297	no
2244	6.37e-12	-3.06	ENSG00000082516	GEMIN5	chr5	-	154297721	154297941	no
2244	6.37e-12	-2.08	ENSG00000082516	GEMIN5	chr5	-	154287138	154287303	no
2244	6.37e-12	-2.39	ENSG00000082516	GEMIN5	chr5	-	154264260	154264382	no
2244	6.37e-12	-3.42	ENSG00000082516	GEMIN5	chr5	-	154247169	154248130	no
2245	6.47e-12	-2.51	ENSG00000001084	GCLC	chr6	-	53517253	53517790	no
2245	6.47e-12	-3.77	ENSG00000001084	GCLC	chr6	-	53470098	53471724	no
2246	6.53e-12	-4.42	ENSG00000023330	ALAS1	chr3	+	52207156	52207311	no
2246	6.53e-12	-6.16	ENSG00000023330	ALAS1	chr3	+	52223076	52223383	no
2247	6.82e-12	-3.41	ENSG00000144395	Q8N8C6	chr2	+	197302162	197302830	no
2247	6.82e-12	-7.15	ENSG00000144395	Q8N8C6	chr2	+	197305415	197305761	no
2248	6.84e-12	-5.08	ENSG00000163743	RCHY1	chr4	-	76623381	76626900	no
2249	6.91e-12	-3.61	ENSG00000087274	ADD1	chr4	+	2815382 2815549	no	
2250	7.41e-12	-3.67	ENSG00000170836	PPM1D	chr17	+	56032336	56033029	yes,JnId_h_36339
2250	7.41e-12	-5.06	ENSG00000170836	PPM1D	chr17	+	56095138	56096818	no
2251	7.9e-12	-4.62	ENSG00000156256	USP16	chr21	+	29348258	29348676	no
2252	7.91e-12	-2.64	ENSG00000160199	PKNOX1	chr21	+	43323069	43326757	no
2253	7.92e-12	-2.38	ENSG00000120053	GOT1	chr10	-	101146648	101147433	no
2254	7.93e-12	-11.56	ENSG00000114745	GORASP1	chr3	-	39123974	39124858	no
2255	8.11e-12	-4.01	ENSG00000130810	PPAN	chr19	+	10077965	10078088	yes,JnId_h_40413
2256	8.7e-12	-2.79	ENSG00000101557	USP14	chr18	+	148483 148714	no	

2256	8.7e-12	-2.97	ENSG00000101557	USP14	chr18	+	193098	193190	no	
2256	8.7e-12	-4.38	ENSG00000101557	USP14	chr18	+	201133	203739	no	
2257	8.74e-12	-3.01	ENSG00000100075	SLC25A1	chr22	-	17546093	17546260	no	
2258	9.17e-12	-3.4	ENSG00000185238	PRMT3	chr11	+	20365682	20365896	no	
2258	9.17e-12	-3.52	ENSG00000185238	PRMT3	chr11	+	20486426	20487404	no	
2259	9.21e-12	-2.5	ENSG00000117153	KLHL12	chr1	-	201162840	201163013	no	
2259	9.21e-12	-2.26	ENSG00000117153	KLHL12	chr1	-	201126851	201128410	no	
2260	9.3e-12	-11.51	ENSG00000059758	PCTK2	chr12	-	95317895	95318354	no	
2260	9.3e-12	-17.62	ENSG00000059758	PCTK2	chr12	-	95196171	95198188	no	
2261	9.52e-12	-3.65	ENSG00000184436	THAP7	chr22	-	19686121	19686404	yes	JnId_h_53543
2262	9.65e-12	-2.54	ENSG00000174917	Q86YE5	chr19	-	5631469	5631911	no	
2263	9.83e-12	-2.91	ENSG00000136518	ACTL6A	chr3	+	180788412	180788886	no	
2264	1.02e-11	-3.29	ENSG00000170275	CRTAP	chr3	+	33130574	33131048	no	
2264	1.02e-11	-2.43	ENSG00000170275	CRTAP	chr3	+	33146435	33146563	no	
2265	1.04e-11	-7.06	ENSG00000092470	WDR76	chr15	+	41945618	41947909	no	
2266	1.06e-11	-2.26	ENSG00000167302	C17orf56	chr17	-	76825946	76827190	yes	JnId_h_37558
2267	1.06e-11	-6.59	ENSG00000100603	SNW1	chr14	-	77253717	77254382	no	
2268	1.07e-11	-6.44	ENSG00000074201	CLNS1A	chr11	-	77004847	77005388	no	
2269	1.08e-11	-3.01	ENSG00000113163	COL4A3BP	chr5	-	74702684	74705772	no	
2270	1.1e-11	-6.7	ENSG00000179526	SHARPIN	chr8	-	145230444	145231128	no	
2270	1.1e-11	-4.21	ENSG00000179526	SHARPIN	chr8	-	145225529	145225679	no	
2271	1.10e-11	-2.92	ENSG00000186501	C1orf160	chr1	+	27533229	27533974	no	
2272	1.12e-11	-7.15	ENSG00000132434	LANCL2	chr7	+	55400635	55401416	no	
2272	1.12e-11	-2.64	ENSG00000132434	LANCL2	chr7	+	55435144	55435291	no	
2272	1.12e-11	-4.46	ENSG00000132434	LANCL2	chr7	+	55466413	55468929	no	
2273	1.14e-11	-2.89	ENSG00000152749	GPR180	chr13	+	94052133	94052327	no	
2273	1.14e-11	-3.41	ENSG00000152749	GPR180	chr13	+	94077268	94079937	no	
2274	1.14e-11	-5.44	ENSG00000114779	ABHD14B	chr3	-	51983021	51983290	no	
2275	1.17e-11	-3.44	ENSG00000142186	SCYL1	chr11	+	65049159	65049311	no	
2275	1.17e-11	-2.77	ENSG00000142186	SCYL1	chr11	+	65062317	65062371	yes	JnId_b_10965
2276	1.17e-11	-2.41	ENSG00000178999	AURKB	chr17	-	8048776	8049087	no	
2277	1.20e-11	-2.46	ENSG00000181555	SETD2	chr3	-	47133117	47133248	no	
2277	1.20e-11	-3.5	ENSG00000181555	SETD2	chr3	-	47032926	47033748	no	
2278	1.22e-11	-6.41	ENSG00000108465	CDK5RAP3	chr17	+	43403521	43403772	yes	JnId_h_35732
2278	1.22e-11	-2.68	ENSG00000108465	CDK5RAP3	chr17	+	43413802	43414099	no	
2279	1.24e-11	-4.87	ENSG00000112379	KIAA1244	chr6	+	138654563	138654883	yes	JnId_h_70102
2279	1.24e-11	-3.26	ENSG00000112379	KIAA1244	chr6	+	138696800	138698018	no	
2279	1.24e-11	-5.75	ENSG00000112379	KIAA1244	chr6	+	138699125	138707463	no	
2280	1.26e-11	-3.89	ENSG00000157557	ETS2	chr21	+	39116468	39118749	no	
2281	1.28e-11	-4.31	ENSG00000176171	BNIP3	chr10	-	133631181	133632063	no	
2282	1.29e-11	-3.08	ENSG00000138035	PNPT1	chr2	-	55715971	55717031	no	
2283	1.30e-11	-3.78	ENSG00000188343	FAM92A1	chr8	+	94781911	94782077	no	
2283	1.30e-11	-6.06	ENSG00000188343	FAM92A1	chr8	+	94809609	94810654	no	
2284	1.31e-11	-2.01	ENSG00000061936	SFRS8	chr12	+	130805884	130805977	no	
2284	1.31e-11	-5.87	ENSG00000061936	SFRS8	chr12	+	130847676	130847858	no	
2284	1.31e-11	-5.95	ENSG00000061936	SFRS8	chr12	+	130849921	130850235	no	
2285	1.35e-11	-3.77	ENSG00000145191	EIF2B5	chr3	+	185335520	185336062	no	
2286	1.36e-11	-2.48	ENSG00000149503	INCENP	chr11	+	61648021	61648211	yes	JnId_b_10328
2286	1.36e-11	-3.61	ENSG00000149503	INCENP	chr11	+	61675810	61676372	yes	JnId_b_10347
2287	1.39e-11	-5.15	ENSG00000078053	AMPH	chr7	-	38389832	38391051	no	
2288	1.42e-11	-2.15	ENSG00000155363	MOV10	chr1	+	113032473	113033283	no	
2289	1.44e-11	-3.04	ENSG00000163956	LRPAP1	chr4	-	3503734	3503947	no	
2289	1.44e-11	-3.98	ENSG00000163956	LRPAP1	chr4	-	3484088	3484561	no	
2290	1.46e-11	-2.09	ENSG00000113282	CLINT1	chr5	-	157146500	157147578	yes	JnId_b_52804
2291	1.51e-11	-3.15	ENSG00000014138	POLA2	chr11	+	64819587	64819646	no	
2291	1.51e-11	-4.1	ENSG00000014138	POLA2	chr11	+	64819911	64820037	no	
2291	1.51e-11	-5.95	ENSG00000014138	POLA2	chr11	+	64821167	64821663	no	
2292	1.55e-11	-2.72	ENSG00000178538	CA8	chr8	-	61263977	61265098	no	
2293	1.56e-11	-2.94	ENSG00000069869	NEDD4	chr15	-	53906423	53909489	no	
2294	1.58e-11	-2.46	ENSG00000205758	CRYZL1	chr21	-	33935857	33936094	no	
2294	1.58e-11	-3.04	ENSG00000205758	CRYZL1	chr21	-	33883517	33884097	no	
2295	1.59e-11	-6.87	ENSG00000160447	PKN3	chr9	+	130504623	130505039	no	
2295	1.59e-11	-2.04	ENSG00000160447	PKN3	chr9	+	130522494	130523019	no	
2296	1.60e-11	-2.31	ENSG00000141002	TCF25	chr16	+	88504989	88505293	no	

2297	1.60e-11	-3.2	ENSG00000134755	DSC2	chr18	-	26935864	26936375	no
2297	1.60e-11	-2.34	ENSG00000134755	DSC2	chr18	-	26900005	26902176	no
2298	1.64e-11	-2.79	ENSG00000143033	MTF2	chr1	+	93374815	93377226	no
2299	1.65e-11	-3.9	ENSG00000177666	PNPLA2	chr11	+	809574	809905	no
2299	1.65e-11	-2.31	ENSG00000177666	PNPLA2	chr11	+	814523	815216	no
2300	1.76e-11	-2.47	ENSG00000164916	FOXK1	chr7	+	4768341	4777600	no
2301	1.77e-11	-2.72	ENSG00000132356	PRKAA1	chr5	-	40795239	40798881	no
2302	1.83e-11	-4.69	ENSG00000212130	TWF2	chr3	-	52237670	52238257	no
2303	1.85e-11	-4.6	ENSG00000156709	AIFM1	chrX	-	129091018	129091284	no
2304	1.86e-11	-2.38	ENSG00000106638	TBL2	chr7	-	72621938	72623238	no
2305	1.88e-11	-3.91	ENSG00000122545	7-Sep	chr7	+	35807190	35807405	no
2305	1.88e-11	-3.07	ENSG00000122545	7-Sep	chr7	+	35910389	35911440	no
2306	1.88e-11	-3.08	ENSG00000005194	CIAPIN1	chr16	-	56022564	56022883	no
2307	1.94e-11	-3.21	ENSG0000010017	RANBP9	chr6	-	13819146	13819932	no
2307	1.94e-11	-3.54	ENSG0000010017	RANBP9	chr6	-	13729714	13730703	no
2308	1.97e-11	-3.87	ENSG00000126883	NUP214	chr9	+	133098662	133099878	no
2309	1.97e-11	-2.04	ENSG00000107438	PDLIM1	chr10	-	97040567	97040771	no
2310	1.97e-11	-3.15	ENSG00000087111	PIGS	chr17	-	23922194	23922333	no
2310	1.97e-11	-2.62	ENSG00000087111	PIGS	chr17	-	23904535	23905640	no
2311	2.00e-11	-2.49	ENSG00000144224	UBXD2	chr2	+	136256789	136259093	no
2312	2.02e-11	-2.46	ENSG00000163104	SMARCAD1	chr4	+	95429647	95431464	no
2313	2.04e-11	-2.65	ENSG00000129559	NEDD8	chr14	-	23755912	23756269	no
2313	2.04e-11	-2.04	ENSG00000087586	AURKA	chr20	-	54400406	54400758	yes,JnId_h_51755
2315	2.09e-11	-3.73	ENSG00000061794	MRPS35	chr12	+	27799381	27800494	no
2316	2.11e-11	-2.09	ENSG00000135365	PHF21A	chr11	-	45910693	45912352	no
2317	2.24e-11	-5.22	ENSG00000204351	SKIV2L	chr6	+	32034560	32034970	no
2317	2.24e-11	-2.65	ENSG00000204351	SKIV2L	chr6	+	32044442	32044552	no
2317	2.24e-11	-3.28	ENSG00000204351	SKIV2L	chr6	+	32045271	32045509	no
2318	2.32e-11	-3.87	ENSG00000076928	ARHGEF1	chr19	+	47103097	47103437	no
2319	2.37e-11	-2.41	ENSG00000072062	PRKACA	chr19	-	14063509	14065049	no
2320	2.39e-11	-2.65	ENSG00000196411	EPHB4	chr7	-	100262537	100263079	no
2321	2.44e-11	-3.58	ENSG00000157107	FCHO2	chr5	+	72419651	72422104	no
2322	2.58e-11	-2.14	ENSG00000155229	MMS19L	chr10	-	99248020	99248162	no
2322	2.58e-11	-2.01	ENSG00000155229	MMS19L	chr10	-	99219876	99219950	yes,JnId_h_10746
2322	2.58e-11	-2.21	ENSG00000155229	MMS19L	chr10	-	99208547	99208647	yes,JnId_h_10722
2322	2.58e-11	-3.8	ENSG00000155229	MMS19L	chr10	-	99208071	99208466	no
2323	2.6e-11	-3.42	ENSG00000128641	MYO1B	chr2	+	191818375	191818597	no
2323	2.6e-11	-3.28	ENSG00000128641	MYO1B	chr2	+	191849858	191850001	no
2323	2.6e-11	-2.93	ENSG00000128641	MYO1B	chr2	+	191987019	191987151	no
2323	2.6e-11	-3.02	ENSG00000128641	MYO1B	chr2	+	191996808	191998287	no
2324	2.62e-11	-4.77	ENSG00000188986	A2BFA3	chr9	+	139269580	139269884	no
2324	2.62e-11	-2.2	ENSG00000188986	A2BFA3	chr9	+	139281513	139281619	no
2324	2.62e-11	-3.62	ENSG00000188986	A2BFA3	chr9	+	139287055	139287819	no
2325	2.64e-11	-2.13	ENSG00000131043	C20orf4	chr20	+	34287814	34288118	no
2326	2.65e-11	-2.52	ENSG00000165282	PIGO	chr9	-	35086152	35086545	yes,JnId_h_77450
2327	2.73e-11	-3	ENSG00000050748	MAPK9	chr5	-	179595388	179596132	no
2328	2.87e-11	-2.33	ENSG00000066557	LRRC40	chr1	-	70383076	70384176	no
2329	2.87e-11	-3.93	ENSG00000125931	CITED1	chrX	-	71443052	71443562	no
2330	2.94e-11	-3.09	ENSG00000103148	C16orf35	chr16	-	128149	128333	no
2331	3.06e-11	-3.16	ENSG00000119541	VPS4B	chr18	-	59207407	59209289	no
2332	3.16e-11	-2.18	ENSG00000004961	HCCS	chrX	+	11049653	11051119	no
2333	3.2e-11	-2.81	ENSG00000090861	AARS	chr16	-	68880825	68880910	yes,JnId_b_25065
2333	3.2e-11	-2.76	ENSG00000090861	AARS	chr16	-	68874024	68874188	"yes,JnId_b_25057;JnId_b_25063"
2333	3.2e-11	-2.23	ENSG00000090861	AARS	chr16	-	68867890	68868035	yes,JnId_h_31438
2333	3.2e-11	-3.24	ENSG00000090861	AARS	chr16	-	68843791	68844310	no
2334	3.22e-11	-6.45	ENSG00000145386	CCNA2	chr4	-	122958002	122958291	no
2335	3.4e-11	-2.61	ENSG00000183605	SFXN4	chr10	-	120890269	120890821	no
2336	3.4e-11	-2.23	ENSG00000025156	HSF2	chr6	+	122794769	122795810	no
2337	3.4e-11	-4.03	ENSG00000185359	HGS	chr17	+	77261425	77261538	no
2337	3.4e-11	-2.61	ENSG00000185359	HGS	chr17	+	77278943	77279548	no
2338	3.41e-11	-6.49	ENSG00000198585	NUDT16	chr3	+	132584696	132587619	no
2339	3.54e-11	-4.58	ENSG00000187239	FNBP1	chr9	-	131697368	131698096	no
2339	3.54e-11	-3.9	ENSG00000187239	FNBP1	chr9	-	131689287	131692646	no
2339	3.54e-11	-2.5	ENSG00000133789	SWP70_HUMAN	chr11	+	9727987	9731081	yes,JnId_b_9329

2341	3.62e-11	-2.33	ENSG00000137075	RNF38	chr9	-	36327583	36329811	no	
2342	3.73e-11	-3.9	ENSG00000197858	GPAA1	chr8	+	145209512	145209695	no	
2342	3.73e-11	-2.11	ENSG00000197858	GPAA1	chr8	+	145212464	145212634	no	
2342	3.73e-11	-6.12	ENSG00000197858	GPAA1	chr8	+	145212773	145213102	no	
2343	3.77e-11	-5.01	ENSG00000122958	VPS26A	chr10	+	70553422	70554042	no	
2344	3.85e-11	-2.1	ENSG00000197451	HNRPAB	chr5	+	177570160	177570787	no	
2345	4.03e-11	-2.5	ENSG00000185504	C17orf70	chr17	-	77129634	77129844	no	
2346	4.08e-11	-2.25	ENSG00000173409	ARV1	chr1	+	229202507	229203094	no	
2347	4.15e-11	-2.18	ENSG00000160695	VPS11	chr11	+	118457379	118457896	no	
2348	4.26e-11	-2.15	ENSG00000188807	Q5SNT3	chr1	+	9584714	9587594	no	
2348	4.26e-11	-2.8	ENSG00000188807	Q5SNT3	chr1	+	9593151	9593450	no	
2348	4.26e-11	-3.64	ENSG00000188807	Q5SNT3	chr1	+	9595631	9597515	no	
2349	4.4e-11	-3.01	ENSG00000198087	CD2AP	chr6	+	47700107	47702620	no	
2350	4.47e-11	-2.05	ENSG00000119655	NPC2	chr14	-	74016397	74016744	no	
2351	4.48e-11	-2.08	ENSG00000072134	EPN2	chr17	+	19177862	19180620	no	
2352	4.49e-11	-2.01	ENSG00000157193	LRP8	chr1	-	53504733	53504907	yes	JnId_b_2695
2352	4.49e-11	-2.71	ENSG00000157193	LRP8	chr1	-	53483800	53485316	yes	JnId_h_3356
2353	4.50e-11	-3.96	ENSG00000077097	TOP2B	chr3	-	25654660	25654805	"yes	JnId_b_45056;JnId_b_45072"
2353	4.50e-11	-3.85	ENSG00000077097	TOP2B	chr3	-	25653710	25653807	"yes	JnId_b_45056;JnId_b_45072"
2353	4.50e-11	-2.71	ENSG00000077097	TOP2B	chr3	-	25648941	25649078	"yes	JnId_b_45056;JnId_b_45072"
2353	4.50e-11	-2.07	ENSG00000077097	TOP2B	chr3	-	25646524	25646649	"yes	JnId_b_45056;JnId_b_45072"
2353	4.50e-11	-2.51	ENSG00000077097	TOP2B	chr3	-	25643267	25643359	"yes	JnId_b_45056;JnId_b_45072"
2353	4.50e-11	-2.24	ENSG00000077097	TOP2B	chr3	-	25622538	25622617	yes	JnId_b_45056
2353	4.50e-11	-7.55	ENSG00000077097	TOP2B	chr3	-	25614479	25614972	no	
2354	4.58e-11	-2.91	ENSG00000101844	ATG4A	chrX	+	107283528	107284557	no	
2355	4.88e-11	-2.1	ENSG00000154734	ADAMTS1	chr21	-	27133777	27133952	no	
2355	4.88e-11	-3.03	ENSG00000154734	ADAMTS1	chr21	-	27130479	27132468	no	
2356	5.17e-11	-3.37	ENSG00000172922	RNASEH2C	chr11	-	65241746	65243856	no	
2357	5.32e-11	-3.07	ENSG00000181192	DHTKD1	chr10	+	12150977	12151192	no	
2357	5.32e-11	-2.7	ENSG00000181192	DHTKD1	chr10	+	12202792	12205230	no	
2358	5.36e-11	-2.1	ENSG00000196465	MYL6B	chr12	+	54837933	54838027	no	
2359	5.65e-11	-28.45	ENSG00000145912	NOLA2	chr5	-	177509074	177509445	no	
2360	5.7e-11	-4.05	ENSG00000165699	TSC1	chr9	-	134756557	134761962	no	
2361	5.84e-11	-3.3	ENSG00000102181	CD99L2	chrX	-	149817653	149817837	no	
2362	5.87e-11	-2.23	ENSG00000116133	DHCR24	chr1	-	55125150	55125493	no	
2363	5.9e-11	-2.63	ENSG00000068796	KIF2A	chr5	+	61689721	61689883	no	
2363	5.9e-11	-2.21	ENSG00000068796	KIF2A	chr5	+	61717068	61718998	no	
2364	5.93e-11	-3.54	ENSG00000152465	NMT2	chr10	-	15189909	15191220	no	
2365	5.97e-11	-4.37	ENSG00000175287	PHYHD1	chr9	+	130722995	130723768	no	
2366	5.98e-11	-3.42	ENSG00000174839	FAM116A	chr3	-	57586222	57589112	yes	JnId_h_57900
2367	5.99e-11	-4.92	ENSG00000116675	DNAJC6	chr1	+	65651195	65654140	no	
2368	6.22e-11	-4.11	ENSG00000070413	DGCR2	chr22	-	17489641	17489962	no	
2368	6.22e-11	-2.51	ENSG00000070413	DGCR2	chr22	-	17403801	17406634	no	
2369	6.26e-11	-6.16	ENSG00000153046	CDYL	chr6	+	4899131	4900780	no	
2370	6.39e-11	-2.22	ENSG00000108592	FTSJ3	chr17	-	59255917	59256021	no	
2370	6.39e-11	-6.12	ENSG00000108592	FTSJ3	chr17	-	59250527	59251086	no	
2371	6.46e-11	-3.02	ENSG00000083720	OXCT1	chr5	-	41906140	41906360	no	
2371	6.46e-11	-2.65	ENSG00000083720	OXCT1	chr5	-	41843190	41843297	no	
2371	6.46e-11	-4.26	ENSG00000083720	OXCT1	chr5	-	41765924	41767629	no	
2372	6.6e-11	-2.68	ENSG00000052749	RRP12	chr10	-	99106448	99106943	no	
2373	6.76e-11	-2.02	ENSG00000136631	VPS45	chr1	+	148305993	148306631	yes	JnId_h_5163
2374	6.81e-11	-5.72	ENSG00000140943	MBTPS1	chr16	-	82707841	82708018	no	
2374	6.81e-11	-2.22	ENSG00000140943	MBTPS1	chr16	-	82684294	82684403	no	
2374	6.81e-11	-2.18	ENSG00000140943	MBTPS1	chr16	-	82644872	82645751	no	
2374	6.81e-11	-5.26	ENSG00000108523	RNF167	chr17	+	4784048	4784400	"yes	JnId_h_32778;JnId_h_32779"
2374	6.81e-11	-2.23	ENSG00000108523	RNF167	chr17	+	4784527	4785033	"yes	JnId_h_32777;JnId_h_32778;JnId_h_32780"
2376	6.9e-11	-3.24	ENSG00000095002	MSH2	chr2	+	47551608	47551705	no	
2376	6.9e-11	-5.58	ENSG00000095002	MSH2	chr2	+	47563422	47563864	no	
2377	6.93e-11	-3.25	ENSG00000072071	LPHN1	chr19	-	14119547	14123427	no	
2378	6.96e-11	-2.03	ENSG00000127837	AAMP	chr2	-	218838798	218838913	no	
2378	6.96e-11	-5.61	ENSG00000127837	AAMP	chr2	-	218837097	218837575	yes	JnId_b_39399
2379	7.01e-11	-2.33	ENSG00000066468	FGFR2	chr10	-	123347466	123347962	no	
2379	7.01e-11	-2.38	ENSG00000066468	FGFR2	chr10	-	123314942	123315208	"yes	JnId_h_11607;JnId_h_11609"
2380	7.13e-11	-3.53	ENSG00000116874	WARS2	chr1	-	119375362	119377534	yes	JnId_h_4950

2381	7.33e-11	-2.5	ENSG00000090989	EXOC1	chr4	+	56414573	56414876	yes,JnId_b_49338
2381	7.33e-11	-2.54	ENSG00000090989	EXOC1	chr4	+	56465266	56466001	no
2382	7.6e-11	-3.69	ENSG00000090863	GLG1	chr16	-	73043357	73043530	no
2383	7.8e-11	-4.73	ENSG00000129484	PARP2	chr14	+	19895637	19895902	no
2384	8.01e-11	-3.26	ENSG00000160818	GPATCH4	chr1	-	154834216	154834537	yes,JnId_h_6059
2385	8.16e-11	-4.5	ENSG00000104774	MAN2B1	chr19	-	12638357	12638828	no
2385	8.16e-11	-2.27	ENSG00000104774	MAN2B1	chr19	-	12636606	12636799	no
2385	8.16e-11	-4.05	ENSG00000104774	MAN2B1	chr19	-	12618322	12618546	no
2386	8.2e-11	-2.61	ENSG00000186184	POLR1D	chr13	+	27092903	27093277	no
2387	8.4e-11	-2.3	ENSG00000077458	FAM76B	chr11	-	95141765	95144462	no
2388	8.62e-11	-5.86	ENSG00000113615	SEC24A	chr5	+	134056620	134057284	yes,JnId_h_65318
2388	8.62e-11	-4.37	ENSG00000113615	SEC24A	chr5	+	134088569	134091398	no
2389	9.23e-11	-2.07	ENSG00000124228	DDX27	chr20	+	47269291	47269485	no
2389	9.23e-11	-3.28	ENSG00000124228	DDX27	chr20	+	47292027	47292150	no
2389	9.23e-11	-4.73	ENSG00000124228	DDX27	chr20	+	47292538	47292625	no
2390	9.24e-11	-2.34	ENSG00000111371	SLC38A1	chr12	-	44948576	44949045	no
2390	9.24e-11	-2.2	ENSG00000111371	SLC38A1	chr12	-	44909614	44909689	no
2391	9.26e-11	-4.55	ENSG00000135912	TTL4	chr2	+	219327101	219328380	no
2392	9.31e-11	-3.86	ENSG00000129173	E2F8	chr11	-	19218671	19219083	no
2392	9.31e-11	-4.48	ENSG00000129173	E2F8	chr11	-	19202194	19202963	no
2393	9.54e-11	-2.68	ENSG00000197070	ARRDC1	chr9	+	139627169	139627783	yes,JnId_h_80377
2394	9.55e-11	-2.39	ENSG00000111775	COX6A1	chr12	+	119362640	119362915	no
2395	1,00E-10	-2.23	ENSG00000117448	AKR1A1	chr1	+	45788802	45789414	no
2395	1,00E-10	-2.29	ENSG00000117448	AKR1A1	chr1	+	45790695	45790822	yes,JnId_b_2380
2396	1.01e-10	-2.76	ENSG00000167258	CRKRS	chr17	+	34940383	34942044	yes,JnId_h_34726
2397	1.01e-10	-2.96	ENSG00000126773	C14orf135	chr14	+	59670441	59671280	no
2398	1.03e-10	-5.97	ENSG00000176155	CCDC57	chr17	-	77663157	77664930	no
2399	1.03e-10	-3.49	ENSG00000176715	Q6P2C7	chr16	+	87747999	87749670	no
2400	1.04e-10	-3.46	ENSG00000167962	ZNF598	chr16	-	1999629	1999745	no
2400	1.04e-10	-2.64	ENSG00000167962	ZNF598	chr16	-	1988704	1988854	no
2400	1.04e-10	-2.46	ENSG00000167962	ZNF598	chr16	-	1987769	1988587	no
2401	1.05e-10	-2.87	ENSG00000139613	SMARCC2	chr12	-	54869402	54869618	no
2402	1.05e-10	-16.82	ENSG00000111911	HINT3	chr6	+	126340483	126343056	no
2403	1.06e-10	-2.78	ENSG00000100151	PICK1	chr22	+	36800817	36801646	no
2404	1.09e-10	-3.13	ENSG00000137266	C6orf85	chr6	-	3401139	3401734	no
2404	1.09e-10	-4.85	ENSG00000137266	C6orf85	chr6	-	3268558	3269235	no
2405	1.10e-10	-2.91	ENSG00000131558	EXOC4	chr7	+	133399584	133401051	no
2406	1.12e-10	-5.64	ENSG00000169733	RFNG	chr17	-	77602665	77602939	no
2407	1.13e-10	-3.85	ENSG00000110429	FBXO3	chr11	-	33719066	33720206	no
2408	1.16e-10	-2.86	ENSG00000104880	ARHGEF18	chr19	+	7441012	7441201	no
2408	1.16e-10	-3.36	ENSG00000104880	ARHGEF18	chr19	+	7441423	7443370	no
2409	1.21e-10	-2.16	ENSG00000181090	EHMT1	chr9	+	139757644	139757801	yes,JnId_b_64437
2409	1.21e-10	-3.62	ENSG00000181090	EHMT1	chr9	+	139849046	139850397	no
2410	1.21e-10	-6.48	ENSG00000114209	PDCC10	chr3	-	168884391	168884871	no
2411	1.23e-10	-6.77	ENSG00000170502	NUDT9	chr4	+	88598019	88599630	no
2412	1.24e-10	-2.71	ENSG00000110497	Q9C0C7	chr11	-	46571954	46572147	no
2412	1.24e-10	-2.24	ENSG00000110497	Q9C0C7	chr11	-	46374540	46376069	no
2413	1.29e-10	-3.27	ENSG00000130830	MPP1	chrX	-	153660153	153660822	no
2414	1.34e-10	-7.71	ENSG00000100596	SPTLC2	chr14	-	77152544	77152863	no
2414	1.34e-10	-11.26	ENSG00000100596	SPTLC2	chr14	-	77043025	77048499	no
2415	1.36e-10	-2.49	ENSG00000014123	KIAA0776	chr6	+	97077743	97077888	no
2415	1.36e-10	-3.15	ENSG00000014123	KIAA0776	chr6	+	97107882	97109873	no
2415	1.36e-10	-19.75	ENSG00000069509	FUNDC1	chrX	-	44267829	44268465	no
2417	1.38e-10	-2.96	ENSG00000162889	MAPKAPK2	chr1	+	204924912	204925476	no
2417	1.38e-10	-2.71	ENSG00000162889	MAPKAPK2	chr1	+	204972006	204974251	no
2418	1.41e-10	-3.05	ENSG00000113300	CNOT6	chr5	+	179854023	179854369	no
2418	1.41e-10	-4.15	ENSG00000113300	CNOT6	chr5	+	179933594	179937959	no
2419	1.43e-10	-2.05	ENSG00000034053	APBA2	chr15	+	27181094	27182254	no
2420	1.44e-10	-3.67	ENSG00000174720	LARP7	chr4	+	113797852	113798190	no
2421	1.48e-10	-2.78	ENSG00000075702	WDR62	chr19	+	41287510	41287848	no
2422	1.50e-10	-10.75	ENSG00000204308	RNF5	chr6	+	32254047	32254406	no
2423	1.51e-10	-3.59	ENSG00000108963	DPH1	chr17	+	1892077	1892275	yes,JnId_h_32449
2424	1.55e-10	-3.02	ENSG00000170185	USP38	chr4	+	144360898	144362087	no
2425	1.56e-10	-2.61	ENSG00000058272	PPP1R12A	chr12	-	78692317	78693926	no

2426	1.56e-10	-6.36	ENSG00000144579	CTDSP1	chr2	+	218972722	218973124	no
2427	1.61e-10	-2.6	ENSG00000139154	AEBP2	chr12	+	19562288	19564424	no
2428	1.62e-10	-2.17	ENSG00000115365	LANCL1	chr2	-	211004223	211007532	no
2429	1.62e-10	-2.02	ENSG00000205339	IPO7	chr11	+	9401129 9401263	yes,JnId_b_9302	
2430	1.70e-10	-3.15	ENSG0000023902	PLEKH01	chr1	+	148388794	148389101	no
2431	1.70e-10	-2.46	ENSG00000156802	ATAD2	chr8	-	124440642	124440757	no
2431	1.70e-10	-3.65	ENSG00000156802	ATAD2	chr8	-	124404359	124404487	no
2431	1.70e-10	-4.09	ENSG00000156802	ATAD2	chr8	-	124401922	124402596	no
2432	1.71e-10	-2.69	ENSG00000060762	BRP44L	chr6	-	166698397	166698931	no
2433	1.73e-10	-2.51	ENSG00000122042	UBL3	chr13	-	29321649	29322821	no
2433	1.73e-10	-5.94	ENSG00000122042	UBL3	chr13	-	29236508	29239444	no
2434	1.73e-10	-6.56	ENSG00000099910	SCARF2	chr22	-	19121869	19122146	no
2434	1.73e-10	-2.59	ENSG00000099910	SCARF2	chr22	-	19115305	19115824	yes,JnId_h_53433
2435	1.76e-10	-5.26	ENSG00000187735	TCEA1	chr8	-	55097176	55097561	no
2436	1.78e-10	-2.19	ENSG00000132376	SKIP_HUMAN	chr17	-	1366500	1366719	yes,JnId_h_32325
2436	1.78e-10	-2.26	ENSG00000132376	SKIP_HUMAN	chr17	-	1344622	1345923	no
2437	1.84e-10	-2.49	ENSG00000181704	YIPF6	chrX	+	67634890	67635690	no
2438	1.90e-10	-3.09	ENSG00000115902	SLC1A4	chr2	+	65101550	65104501	no
2439	1.93e-10	-3.64	ENSG00000196961	AP2A1	chr19	+	54961992	54962269	no
2439	1.93e-10	-2.05	ENSG00000196961	AP2A1	chr19	+	54997050	54997210	no
2439	1.93e-10	-3.67	ENSG00000196961	AP2A1	chr19	+	55001188	55001322	no
2439	1.93e-10	-4.16	ENSG00000196961	AP2A1	chr19	+	55001750	55002181	no
2440	1.93e-10	-2.32	ENSG00000133704	IPO8	chr12	-	30715163	30715297	yes,JnId_h_17401
2441	1.95e-10	-6.8	ENSG00000133511	PIK4CA	chr22	-	19542858	19543070	no
2441	1.95e-10	-3.77	ENSG00000133511	PIK4CA	chr22	-	19504827	19504899	no
2441	1.95e-10	-3.1	ENSG00000133511	PIK4CA	chr22	-	19495255	19495320	no
2441	1.95e-10	-6.53	ENSG00000133511	PIK4CA	chr22	-	19391990	19392386	no
2442	2.01e-10	-3.16	ENSG00000173418	NAT5	chr20	+	19961746	19962550	no
2443	2.04e-10	-2.75	ENSG00000198189	HSD17B11	chr4	-	88476790	88477542	no
2444	2.05e-10	-2.08	ENSG00000168894	Q53H81	chr2	+	85678079	85678342	no
2445	2.08e-10	-3.37	ENSG00000172037	LAMB2	chr3	-	49145229	49145603	no
2445	2.08e-10	-2.69	ENSG00000172037	LAMB2	chr3	-	49134121	49134297	no
2445	2.08e-10	-4.04	ENSG00000172037	LAMB2	chr3	-	49133870	49134029	no
2445	2.08e-10	-3.64	ENSG00000172037	LAMB2	chr3	-	49133663	49133799	no
2446	2.11e-10	-6.33	ENSG00000104313	EYA1	chr8	-	72436436	72437021	no
2446	2.11e-10	-4.25	ENSG00000104313	EYA1	chr8	-	72272222	72274209	no
2447	2.16e-10	-4.77	ENSG00000145439	CBR4	chr4	-	170145319	170148054	no
2448	2.22e-10	-2.19	ENSG00000136982	Q969N5	chr8	-	120915398	120916422	no
2449	2.22e-10	-2.89	ENSG00000000419	DPM1	chr20	-	48984811	48985180	no
2450	2.37e-10	-2.02	ENSG00000131067	GGTL3	chr20	-	32902246	32902381	yes,JnId_h_50830
2450	2.37e-10	-2.77	ENSG00000131067	GGTL3	chr20	-	32896184	32896955	"yes,JnId_h_50829;JnId_h_50830"
2451	2.49e-10	-29.62	ENSG00000153551	CMTM7	chr3	+	32408167	32408561	no
2452	2.51e-10	-2.8	ENSG00000005206	PSL1_HUMAN	chr19	+	2285601	2285720	no
2452	2.51e-10	-3.26	ENSG00000005206	PSL1_HUMAN	chr19	+	2303944	2305799	no
2453	2.57e-10	-2.42	ENSG00000109118	PHF12	chr17	-	24302039	24302634	no
2453	2.57e-10	-2.88	ENSG00000109118	PHF12	chr17	-	24260720	24261513	no
2454	2.64e-10	-2.41	ENSG00000176105	YES1	chr18	-	711747 714632	no	
2455	2.64e-10	-3.61	ENSG00000152382	TADA1L	chr1	-	165112021	165112188	no
2455	2.64e-10	-3.15	ENSG00000152382	TADA1L	chr1	-	165092371	165093580	no
2456	2.66e-10	-2.21	ENSG00000101052	IFT52	chr20	+	41704533	41704678	yes,JnId_h_51322
2457	2.67e-10	-4	ENSG00000138614	C15orf44	chr15	-	63658173	63659050	no
2458	2.81e-10	-2	ENSG00000204227	RING1	chr6	+	33284255	33284399	no
2459	3.10e-10	-3.45	ENSG00000135148	TRAFD1	chr12	+	111047747	111048336	no
2459	3.10e-10	-2.2	ENSG00000135148	TRAFD1	chr12	+	111074922	111075790	no
2460	3.13e-10	-6.21	ENSG00000182504	LRRIQ2	chr3	+	102966381	102972095	no
2461	3.18e-10	-6.09	ENSG00000138801	PAPSS1	chr4	-	108754272	108754992	no
2462	3.22e-10	-9.24	ENSG00000103353	UBFD1	chr16	+	23475893	23476589	no
2463	3.33e-10	-2.56	ENSG00000070770	CSNK2A2	chr16	-	56789038	56789283	no
2464	3.38e-10	-2.21	ENSG00000079616	KIF22	chr16	+	29724085	29724205	no
2465	3.59e-10	-2.05	ENSG00000146592	CREB5	chr7	+	28815329	28815556	no
2465	3.59e-10	-2.77	ENSG00000146592	CREB5	chr7	+	28825258	28832036	no
2466	3.62e-10	-5.17	ENSG00000131759	RARA	chr17	+	35764080	35764284	no
2466	3.62e-10	-6.68	ENSG00000131759	RARA	chr17	+	35765787	35767420	no
2467	3.63e-10	-5.29	ENSG00000054654	SYNE2	chr14	+	63539191	63539801	"yes,JnId_b_19031;JnId_b_19034"

2467	3.63e-10	-4.22	ENSG00000054654	SYNE2	chr14	+	63567487	63567828	"yes,JnId_b_19031;JnId_b_19034"
2467	3.63e-10	-3.76	ENSG00000054654	SYNE2	chr14	+	63588028	63590128	"yes,JnId_b_19031;JnId_b_19034"
2467	3.63e-10	-2.17	ENSG00000054654	SYNE2	chr14	+	63592415	63592737	"yes,JnId_b_19031;JnId_b_19034"
2467	3.63e-10	-2.32	ENSG00000054654	SYNE2	chr14	+	63601903	63602121	"yes,JnId_b_19031;JnId_b_19034"
2468	3.65e-10	-3.75	ENSG00000069849	ATP1B3	chr3	+	143115184	143115368	no
2468	3.65e-10	-9.56	ENSG00000069849	ATP1B3	chr3	+	143127063	143128072	no
2469	3.72e-10	-2.24	ENSG00000198730	CTR9	chr11	+	10756802	10757863	no
2470	3.85e-10	-2.07	ENSG00000157184	CPT2	chr1	+	53434689	53435355	no
2471	3.86e-10	-2.61	ENSG00000103415	HMOX2	chr16	+	4499414	4499540	no
2471	3.86e-10	-4.6	ENSG00000103415	HMOX2	chr16	+	4499631	4500348	no
2472	3.93e-10	-3.33	ENSG00000125779	PANK2	chr20	+	3817742	3818375	no
2472	3.93e-10	-5.02	ENSG00000125779	PANK2	chr20	+	3851891	3852502	no
2473	3.94e-10	-2.05	ENSG00000100749	VRK1	chr14	+	96417267	96417703	no
2474	3.95e-10	-4.07	ENSG00000100234	TIMP3	chr22	+	31526802	31528108	no
2475	3.97e-10	-5.67	ENSG00000169992	NLGN2	chr17	+	7252226	7252755	no
2475	3.97e-10	-2.4	ENSG00000169992	NLGN2	chr17	+	7260969	7263903	no
2476	3.97e-10	-5.36	ENSG00000157211	CDCP2	chr1	-	54422422	54424547	no
2477	4.16e-10	-4.09	ENSG00000108262	GIT1	chr17	-	24940471	24940735	no
2478	4.23e-10	-7.05	ENSG00000196781	TLE1	chr9	-	83388418	83389040	no
2479	4.27e-10	-5.29	ENSG00000164347	GFM2	chr5	-	74052785	74053364	no
2480	4.30e-10	-2.07	ENSG00000133835	HSD17B4	chr5	+	118865635	118865686	no
2480	4.30e-10	-4.97	ENSG00000133835	HSD17B4	chr5	+	118905499	118905926	no
2481	4.32e-10	-2.2	ENSG00000157450	RNF111	chr15	+	57067157	57067559	no
2481	4.32e-10	-3.58	ENSG00000157450	RNF111	chr15	+	57174274	57176541	no
2482	4.32e-10	-3.57	ENSG00000166562	SEC11C	chr18	+	54976844	54977041	no
2483	4.39e-10	-7.97	ENSG00000143756	FBXO28	chr1	+	222411677	222416372	no
2484	4.4e-10	-2.24	ENSG00000179051	RCC2	chr1	-	17637313	17637644	no
2485	4.44e-10	-4.09	ENSG00000068885	IFT80	chr3	-	161638201	161639668	no
2485	4.44e-10	-2.3	ENSG00000068885	IFT80	chr3	-	161599628	161600014	no
2485	4.44e-10	-2.16	ENSG00000068885	IFT80	chr3	-	161457497	161459117	no
2486	4.54e-10	-3.36	ENSG00000156515	HK1	chr10	+	70748606	70748772	no
2487	4.75e-10	-2.24	ENSG00000172466	ZNF24	chr18	-	31169948	31171732	no
2488	4.84e-10	-2.61	ENSG00000119408	NEK6	chr9	+	126152937	126155407	no
2489	4.88e-10	-6.42	ENSG00000148341	SH3GLB2	chr9	-	130830192	130830400	no
2489	4.88e-10	-2.67	ENSG00000148341	SH3GLB2	chr9	-	130810134	130810891	"yes,JnId_b_63785;JnId_b_63787;JnId_b_63788"
2490	4.9e-10	-2.6	ENSG00000061987	MON2	chr12	+	61239957	61241160	no
2490	4.9e-10	-4.33	ENSG00000061987	MON2	chr12	+	61272633	61273667	no
2491	4.91e-10	-2.44	ENSG00000005156	LIG3	chr17	+	30355405	30356201	no
2492	4.97e-10	-3.87	ENSG00000177628	GBA	chr1	-	153480921	153481112	no
2493	5.11e-10	-4.18	ENSG00000149474	CSRP2BP	chr20	+	18115930	18117031	no
2494	5.16e-10	-4.92	ENSG00000142082	SIRT3	chr11	-	226048	226431	no
2494	5.16e-10	-4.84	ENSG00000142082	SIRT3	chr11	-	205031	206718	no
2495	5.16e-10	-2.73	ENSG00000143409	FAM63A	chr1	-	149232306	149235375	no
2496	5.19e-10	-6.04	ENSG00000089327	FXD5	chr19	+	40337467	40338354	yes,JnId_h_42015
2497	5.26e-10	-2.12	ENSG00000187741	FANCA	chr16	-	88410446	88410566	no
2497	5.26e-10	-7.65	ENSG00000187741	FANCA	chr16	-	88331460	88332617	no
2498	5.26e-10	-2.25	ENSG00000163946	C3orf63	chr3	-	56632014	56632634	no
2499	5.26e-10	-2.66	ENSG00000111885	MAN1A1	chr6	-	119540073	119542809	no
2500	5.27e-10	-69.91	ENSG00000104714	ERICH1	chr8	-	632478	632612	no
2501	5.28e-10	-3.43	ENSG00000148331	ASB6	chr9	-	131443987	131444265	no
2501	5.28e-10	-2.8	ENSG00000148331	ASB6	chr9	-	131436704	131440557	no
2502	5.38e-10	-2.3	ENSG00000147400	CETN2	chrX	-	151746173	151747130	no
2503	5.51e-10	-2.67	ENSG00000115808	STRN	chr2	-	37046877	37047119	no
2503	5.51e-10	-2.93	ENSG00000115808	STRN	chr2	-	36924287	36930272	no
2504	5.62e-10	-8.53	ENSG00000047249	ATP6V1H	chr8	-	54790669	54791137	no
2505	6.02e-10	-9.79	ENSG00000204386	NEU1	chr6	-	31938374	31938662	no
2505	6.02e-10	-5.31	ENSG00000204386	NEU1	chr6	-	31934931	31935701	no
2506	6.19e-10	-2.21	ENSG00000004534	RBM6	chr3	+	49952525	49952662	no
2506	6.19e-10	-3.44	ENSG00000004534	RBM6	chr3	+	50087638	50087767	no
2506	6.19e-10	-7.89	ENSG00000004534	RBM6	chr3	+	50089445	50089685	no
2507	6.2e-10	-2.88	ENSG00000073969	NSF	chr17	+	42188335	42189993	no
2508	6.32e-10	-4.01	ENSG00000172732	MUS81	chr11	+	65384525	65384935	no
2508	6.32e-10	-2.36	ENSG00000172732	MUS81	chr11	+	65386491	65386576	no
2508	6.32e-10	-10.12	ENSG00000172732	MUS81	chr11	+	65390033	65390485	no

2509	6.47e-10	-3.35	ENSG00000086619	ERO1LB	chr1	-	234445478	234448499	no
2510	6.52e-10	-2.5	ENSG00000151718	WWC2	chr4	+	184411904	184412146	no
2510	6.52e-10	-4.02	ENSG00000151718	WWC2	chr4	+	184473810	184476893	no
2511	6.62e-10	-6.79	ENSG00000171467	ZNF318	chr6	-	43444683	43445194	no
2512	6.63e-10	-2.03	ENSG00000033178	UBE1L2	chr4	-	68218783	68218905	no
2512	6.63e-10	-2.38	ENSG00000033178	UBE1L2	chr4	-	68174673	68174790	no
2512	6.63e-10	-4.46	ENSG00000033178	UBE1L2	chr4	-	68165123	68167445	no
2513	6.63e-10	-3.01	ENSG00000118922	KLF12	chr13	-	73284707	73285425	no
2514	6.68e-10	-2.67	ENSG00000146830	PERQ1	chr7	-	100123763	100125007	no
2515	6.82e-10	-2.51	ENSG00000140829	DHX38	chr16	+	70685116	70685451	no
2515	6.82e-10	-3.32	ENSG00000140829	DHX38	chr16	+	70703813	70704311	yes,JnId_h_31620
2516	6.85e-10	-2.38	ENSG00000139620	C12orf41	chr12	-	47361432	47362275	yes,JnId_h_17747
2516	6.85e-10	-3.75	ENSG00000139620	C12orf41	chr12	-	47333452	47334225	no
2517	7,00E-10	-4.18	ENSG00000170004	CHD3	chr17	+	7728849	7729126	no
2517	7,00E-10	-2.51	ENSG00000170004	CHD3	chr17	+	7738458	7738651	no
2517	7,00E-10	-3.07	ENSG00000170004	CHD3	chr17	+	7754890	7755016	no
2517	7,00E-10	-3.02	ENSG00000170004	CHD3	chr17	+	7755507	7756246	no
2518	7.07e-10	-2.84	ENSG00000181610	MRPS23	chr17	-	53271847	53272295	no
2519	7.1e-10	-3.81	ENSG00000127054	CPSF3L	chr1	-	1236841	1237167	no
2520	7.18e-10	-3.67	ENSG00000119820	YIPF4	chr2	+	32384062	32385159	no
2521	7.48e-10	-2.07	ENSG00000085276	EVI1	chr3	-	170283999	170285525	no
2522	7.59e-10	-2.7	ENSG00000004139	SARM1	chr17	+	23723181	23723648	no
2523	7.64e-10	-3.32	ENSG00000035499	DEPDC1B	chr5	-	59928496	59929498	no
2524	7.72e-10	-2.77	ENSG00000170017	ALCAM	chr3	+	106568403	106569015	no
2524	7.72e-10	-3.91	ENSG00000170017	ALCAM	chr3	+	106721601	106721701	no
2524	7.72e-10	-5.39	ENSG00000170017	ALCAM	chr3	+	106776011	106778433	no
2525	7.75e-10	-2.31	ENSG00000128581	RABL5	chr7	-	100743369	100745283	no
2526	7.89e-10	-2.17	ENSG00000010803	SCMH1	chr1	-	41424380	41424509	no
2526	7.89e-10	-4.14	ENSG00000010803	SCMH1	chr1	-	41397984	41398192	"yes,JnId_h_2587;JnId_h_2589"
2526	7.89e-10	-2.13	ENSG00000010803	SCMH1	chr1	-	41265461	41266578	no
2527	8.08e-10	-3.81	ENSG00000023191	RNH1	chr11	-	497113	497300	yes,JnId_h_11989
2527	8.08e-10	-2.66	ENSG00000023191	RNH1	chr11	-	484513	484778	no
2528	8.23e-10	-3.56	ENSG00000124523	SIRT5	chr6	+	13712687	13713950	yes,JnId_h_67087
2529	8.48e-10	-4.9	ENSG00000144567	C2orf17	chr2	+	219751198	219751599	no
2530	8.53e-10	-5.47	ENSG00000008405	CRY1	chr12	-	105909289	105909909	no
2531	8.59e-10	-2.52	ENSG00000115415	STAT1	chr2	-	191586989	191587181	no
2531	8.59e-10	-2.91	ENSG00000115415	STAT1	chr2	-	191542121	191543688	no
2532	8.68e-10	-4.3	ENSG00000156603	MED19	chr11	-	57227765	57228683	yes,JnId_h_13503
2533	8.85e-10	-2.07	ENSG00000100568	VTI1B	chr14	-	67186985	67187951	no
2534	8.95e-10	-3.27	ENSG00000141424	SLC39A6	chr18	-	31943197	31943706	no
2535	9.13e-10	-2.39	ENSG00000131778	CHD1L	chr1	+	145232715	145232823	no
2535	9.13e-10	-2.7	ENSG00000131778	CHD1L	chr1	+	145233736	145234067	no
2536	9.43e-10	-2.13	ENSG00000148737	TCF7L2	chr10	+	114700201	114700694	no
2536	9.43e-10	-2.04	ENSG00000148737	TCF7L2	chr10	+	114915304	114917427	no
2537	9.46e-10	-4.27	ENSG00000167543	TP53I13	chr17	+	24919788	24919974	no
2538	9.6e-10	-2.2	ENSG00000136807	CDK9	chr9	+	129587898	129588340	no
2539	9.64e-10	-2.06	ENSG00000101773	RBBP8	chr18	+	18856090	18856231	no
2539	9.64e-10	-2.57	ENSG00000101773	RBBP8	chr18	+	18860104	18860443	no
2540	9.69e-10	-3.08	ENSG00000161800	RACGAP1	chr12	-	48669214	48670393	no
2541	9.82e-10	-2.32	ENSG00000072778	ACADVL	chr17	+	7063855	7064089	no
2541	9.82e-10	-3.86	ENSG00000072778	ACADVL	chr17	+	7064165	7064240	no
2541	9.82e-10	-2.46	ENSG00000072778	ACADVL	chr17	+	7064809	7064873	no
2541	9.82e-10	-2.23	ENSG00000072778	ACADVL	chr17	+	7068685	7068757	no
2542	1.00e-09	-8.28	ENSG00000128928	IVD	chr15	+	38484978	38485464	no
2543	1.02e-09	-5.13	ENSG00000137171	KLC4	chr6	+	43150338	43150815	no
2544	1.07e-09	-2.63	ENSG00000133131	MORC4	chrX	-	106070625	106071518	no
2545	1.07e-09	-2.51	ENSG00000122299	ZC3H7A	chr16	-	11780523	11780720	no
2545	1.07e-09	-3.57	ENSG00000122299	ZC3H7A	chr16	-	11768774	11768935	no
2545	1.07e-09	-3.8	ENSG00000122299	ZC3H7A	chr16	-	11751957	11752863	no
2546	1.15e-09	-3.26	ENSG00000119599	WDR21A	chr14	+	72495073	72496109	no
2547	1.18e-09	-5.43	ENSG00000088451	TGDS	chr13	-	94024277	94025107	no
2548	1.22e-09	-5.14	ENSG00000153790	C7orf31	chr7	-	25185806	25186342	no
2548	1.22e-09	-5.34	ENSG00000153790	C7orf31	chr7	-	25140841	25142937	no
2549	1.22e-09	-2.47	ENSG00000154945	ANKRD40	chr17	-	46125552	46128503	no

2550	1.23e-09	-2.26	ENSG00000163808	KIF15	chr3	+	44818261	44818470	no	
2551	1.23e-09	-3.48	ENSG00000136051	KIAA1033	chr12	+	104084772	104087034	no	
2552	1.26e-09	-2.25	ENSG0000042088	TDP1	chr14	+	89525002	89525187	no	
2552	1.26e-09	-8.11	ENSG0000042088	TDP1	chr14	+	89579167	89580859	no	
2553	1.26e-09	-2.45	ENSG00000149269	PAK1	chr11	-	76710709	76712053		"yes,JnId_h_15311;JnId_h_15312"
2554	1.27e-09	-2.08	ENSG00000130340	SNX9	chr6	+	158164282	158164466	no	
2555	1.35e-09	-4.54	ENSG00000170085	C5orf25	chr5	+	175696329	175696485	no	
2555	1.35e-09	-8.13	ENSG00000170085	C5orf25	chr5	+	175704792	175705594	no	
2556	1.36e-09	-4.78	ENSG0000049541	RFC2	chr7	-	73283770	73284482	no	
2557	1.36e-09	-3.42	ENSG00000131375	CAPN7	chr3	+	15249030	15249176	no	
2557	1.36e-09	-2.56	ENSG00000131375	CAPN7	chr3	+	15251536	15251656	no	
2557	1.36e-09	-3.44	ENSG00000131375	CAPN7	chr3	+	15267627	15269426	no	
2558	1.38e-09	-3	ENSG00000119787	ARL6IP2	chr2	-	38423914	38424158	no	
2558	1.38e-09	-3.56	ENSG00000119787	ARL6IP2	chr2	-	38375526	38377236	no	
2559	1.44e-09	-6.63	ENSG00000131725	WDR44	chrX	+	117466884	117467949	no	
2560	1.46e-09	-2.78	ENSG00000157106	O75201	chr16	-	18844773	18845239	no	
2560	1.46e-09	-2.41	ENSG00000157106	O75201	chr16	-	18772406	18772690		yes,JnId_h_29621
2561	1.48e-09	-2.18	ENSG00000101190	TCFL5	chr20	-	60962821	60963560	no	
2561	1.48e-09	-2.45	ENSG00000101190	TCFL5	chr20	-	60942912	60943894	no	
2562	1.48e-09	-5.12	ENSG00000175606	TMEM70	chr8	+	75055944	75057565	no	
2563	1.49e-09	-2.95	ENSG00000108582	CPD	chr17	+	25815732	25819825	no	
2564	1.52e-09	-2.25	ENSG00000130511	SSBP4	chr19	+	18391136	18391517	no	
2564	1.52e-09	-2.35	ENSG00000130511	SSBP4	chr19	+	18406027	18406459	no	
2565	1.53e-09	-2.29	ENSG00000130939	UBE4B	chr1	+	10083753	10083840		yes,JnId_h_547
2565	1.53e-09	-2.21	ENSG00000130939	UBE4B	chr1	+	10131829	10131927		yes,JnId_b_462
2565	1.53e-09	-2.57	ENSG00000130939	UBE4B	chr1	+	10143787	10143931		yes,JnId_b_462
2565	1.53e-09	-4.37	ENSG00000130939	UBE4B	chr1	+	10162540	10163884		yes,JnId_b_469
2566	1.55e-09	-2.07	ENSG00000167674	Q9BW08	chr19	+	4423255	4423419	no	
2566	1.55e-09	-6.12	ENSG00000167674	Q9BW08	chr19	+	4452923	4453213		yes,JnId_h_39896
2567	1.55e-09	-4.16	ENSG00000180370	PAK2	chr3	+	198039587	198043749	no	
2568	1.56e-09	-11.28	ENSG0000072609	CHFR	chr12	-	131927011	131928255	no	
2569	1.65e-09	-2.15	ENSG00000104517	EDD1	chr8	-	103380252	103380375		yes,JnId_h_76001
2569	1.65e-09	-2.95	ENSG00000104517	EDD1	chr8	-	103334748	103335918	no	
2570	1.67e-09	-2.46	ENSG00000076944	STXBP2	chr19	+	7611027	7611239		yes,JnId_h_40276
2570	1.67e-09	-2.58	ENSG00000076944	STXBP2	chr19	+	7611305	7611695	no	
2571	1.68e-09	-2.46	ENSG00000166949	SMAD3	chr15	+	65145249	65145752	no	
2571	1.68e-09	-2.66	ENSG00000166949	SMAD3	chr15	+	65269805	65274586	no	
2572	1.69e-09	-2.07	ENSG00000106070	GRB10	chr7	-	50625260	50628289	no	
2573	1.73e-09	-5.41	ENSG00000196199	Q5JPE5	chr13	+	19143974	19145581	no	
2574	1.78e-09	-4.96	ENSG00000144747	TMF1	chr3	-	69154462	69155161	no	
2575	1.84e-09	-5.72	ENSG00000165916	PSMC3	chr11	-	47404332	47404565	no	
2576	1.87e-09	-3.75	ENSG00000108559	NUP88	chr17	-	5231028	5231154	no	
2576	1.87e-09	-5.75	ENSG00000108559	NUP88	chr17	-	5230070	5230313	no	
2577	1.88e-09	-8.43	ENSG00000136828	RALGPS1	chr9	+	129019006	129019912		yes,JnId_b_63436
2577	1.88e-09	-6.58	ENSG00000136828	RALGPS1	chr9	+	129020840	129025264	no	
2577	1.88e-09	-8.35	ENSG00000006625	C7orf24	chr7	-	30502764	30503376	no	
2579	1.89e-09	-2.39	ENSG00000151208	DLG5	chr10	-	79355981	79356384	no	
2579	1.89e-09	-2.01	ENSG00000151208	DLG5	chr10	-	79246315	79246465	no	
2579	1.89e-09	-2.96	ENSG00000151208	DLG5	chr10	-	79220557	79222307	no	
2580	1.91e-09	-6.4	ENSG00000115762	PLEKHB2	chr2	+	131578890	131579441		yes,JnId_b_38401
2581	1.94e-09	-2.09	ENSG00000143374	TARS2	chr1	+	148728064	148728408	no	
2582	1.94e-09	-2.93	ENSG00000122140	MRPS2	chr9	+	137532237	137532420	no	
2583	1.94e-09	-3.21	ENSG00000184916	JAG2	chr14	-	104705139	104705489	no	
2584	1.97e-09	-2.16	ENSG00000143842	SOX13	chr1	+	202308866	202309462	no	
2585	2.01e-09	-2.57	ENSG00000103051	COG4	chr16	-	69072763	69072891	no	
2586	2.01e-09	-4.89	ENSG00000198231	DDX42	chr17	+	59205299	59205468		yes,JnId_h_36498
2587	2.01e-09	-2.61	ENSG00000160220	PWP2	chr21	+	44351636	44351743	no	
2588	2.03e-09	-2.88	ENSG00000171953	ATPAF2	chr17	-	17862104	17862725	no	
2589	2.08e-09	-3.48	ENSG00000105726	ATP13A1	chr19	-	19635080	19635479	no	
2589	2.08e-09	-2.09	ENSG00000105726	ATP13A1	chr19	-	19617009	19617341	no	
2590	2.09e-09	-5.19	ENSG00000070785	EIF2B3	chr1	-	45112786	45113085	no	
2591	2.10e-09	-2.78	ENSG00000123485	Q9NSL8	chr2	-	234427769	234427951	no	
2592	2.11e-09	-2.15	ENSG00000168495	POLR3D	chr8	+	22158903	22159072	no	
2592	2.11e-09	-2.05	ENSG00000168495	POLR3D	chr8	+	22163854	22164624	no	

2593	2.13e-09	-2.63	ENSG00000164024	METAP1	chr4	+	100135903	100136041	no	
2593	2.13e-09	-4.76	ENSG00000164024	METAP1	chr4	+	100201328	100202976	no	
2594	2.14e-09	-5.07	ENSG00000196911	KPNA5	chr6	+	117159992	117163500	no	
2595	2.16e-09	-5.21	ENSG00000089022	MAPKAPK5	chr12	+	110815154	110815543	no	
2596	2.21e-09	-2.43	ENSG00000139641	FAM62A	chr12	+	54808302	54808760	no	
2596	2.21e-09	-2.42	ENSG00000139641	FAM62A	chr12	+	54811091	54811164	no	
2596	2.21e-09	-2.32	ENSG00000139641	FAM62A	chr12	+	54811295	54811367	no	
2596	2.21e-09	-2.22	ENSG00000139641	FAM62A	chr12	+	54818819	54818890	yes	JnId_b_14281
2596	2.21e-09	-2.42	ENSG00000139641	FAM62A	chr12	+	54823279	54823384	no	
2596	2.21e-09	-5.66	ENSG00000139641	FAM62A	chr12	+	54823874	54824719	no	
2597	2.22e-09	-3.44	ENSG00000160298	C21orf58	chr21	-	46545474	46546496		"yes,JnId_h_53031;JnId_h_53033"
2598	2.28e-09	-3.82	ENSG00000151458	ANKRD50	chr4	-	125804916	125808119	no	
2599	2.32e-09	-3.18	ENSG00000167815	PRDX2	chr19	-	12773554	12773694	no	
2600	2.34e-09	-4.55	ENSG00000196943	LTB4R	chr14	+	23854683	23855990	no	
2601	2.35e-09	-2.44	ENSG00000103342	GSPT1	chr16	-	11916727	11917309		"yes,JnId_b_23196;JnId_b_23195"
2601	2.35e-09	-2.3	ENSG00000103342	GSPT1	chr16	-	11874040	11874529	no	
2602	2.36e-09	-3.06	ENSG00000106344	RBM28	chr7	-	127766517	127766611	no	
2602	2.36e-09	-5.07	ENSG00000106344	RBM28	chr7	-	127737673	127738220	no	
2603	2.48e-09	-3.69	ENSG00000112787	Q9HCM7	chr12	+	131660978	131661223	yes	JnId_h_21085
2603	2.48e-09	-2.88	ENSG00000112787	Q9HCM7	chr12	+	131669630	131670437	no	
2604	2.50e-09	-6.27	ENSG00000135541	AHI1	chr6	-	135820325	135820544	no	
2604	2.50e-09	-10.94	ENSG00000135541	AHI1	chr6	-	135774179	135774375	no	
2604	2.50e-09	-28.1	ENSG00000135541	AHI1	chr6	-	135646817	135648478	no	
2605	2.53e-09	-5.19	ENSG00000159579	RSPRY1	chr16	+	55830292	55831887	no	
2606	2.53e-09	-2.15	ENSG00000196290	NIF3L1	chr2	+	201476462	201476891	no	
2607	2.54e-09	-9.37	ENSG00000053770	C14orf108	chr14	+	56825273	56826544	no	
2608	2.55e-09	-4.47	ENSG00000122484	C1orf82	chr1	+	92625156	92626318	no	
2609	2.6e-09	-8.04	ENSG00000182670	TTC3	chr21	+	37381417	37381571	yes	JnId_h_52590
2609	2.6e-09	-2.98	ENSG00000182670	TTC3	chr21	+	37441651	37441773	no	
2609	2.6e-09	-2.51	ENSG00000182670	TTC3	chr21	+	37446063	37446199	no	
2609	2.6e-09	-2.03	ENSG00000182670	TTC3	chr21	+	37481220	37481316	no	
2609	2.6e-09	-2.07	ENSG00000182670	TTC3	chr21	+	37482666	37482766	no	
2610	2.61e-09	-3.07	ENSG00000169738	DCXR	chr17	-	77588796	77588862	no	
2610	2.61e-09	-3.6	ENSG00000169738	DCXR	chr17	-	77588615	77588712	no	
2611	2.67e-09	-4.51	ENSG00000069345	DNAJA2	chr16	-	45547796	45548633	no	
2612	2.78e-09	-3.71	ENSG00000076356	PLXNA2	chr1	-	206483611	206484288	no	
2612	2.78e-09	-7.88	ENSG00000076356	PLXNA2	chr1	-	206262210	206267306	no	
2613	2.79e-09	-4.18	ENSG00000196776	CD47	chr3	-	109244631	109248829	no	
2614	2.79e-09	-5.44	ENSG00000170088	Q7Z3A1	chr4	-	166218550	166220398	no	
2615	2.80e-09	-2.7	ENSG00000106049	HIBADH	chr7	-	27668842	27669127	no	
2615	2.80e-09	-2.62	ENSG00000106049	HIBADH	chr7	-	27531588	27532516	no	
2616	2.89e-09	-2	ENSG00000174989	FBXW8	chr12	+	115833144	115833543	no	
2617	2.91e-09	-4.01	ENSG00000133135	RNF128	chrX	+	105925466	105926900	no	
2618	2.92e-09	-2.92	ENSG00000163161	ERCC3	chr2	-	127731336	127731773	no	
2619	3.03e-09	-3.07	ENSG00000010270	STARD3NL	chr7	+	38236049	38236760	no	
2620	3.05e-09	-4.64	ENSG00000141258	RUTBC1	chr17	+	2187556	2187789	no	
2621	3.06e-09	-6.82	ENSG00000166347	CYB5A	chr18	-	70071508	70071880	no	
2622	3.08e-09	-2.38	ENSG00000085274	MYNN	chr3	+	170986898	170988027	no	
2623	3.11e-09	-2.92	ENSG00000174953	DHX36	chr3	-	155505289	155505455	no	
2623	3.11e-09	-2.06	ENSG00000174953	DHX36	chr3	-	155477230	155477382	no	
2623	3.11e-09	-4.9	ENSG00000174953	DHX36	chr3	-	155476152	155476839	no	
2624	3.14e-09	-2.82	ENSG00000161813	LARP4	chr12	+	49155576	49160046	no	
2625	3.30e-09	-3.95	ENSG00000108587	GOSR1	chr17	+	25873398	25877957	no	
2626	3.34e-09	-9.43	ENSG00000131899	LLGL1	chr17	+	18069661	18069802	no	
2626	3.34e-09	-3.4	ENSG00000131899	LLGL1	chr17	+	18073980	18074077	no	
2626	3.34e-09	-2.29	ENSG00000131899	LLGL1	chr17	+	18079509	18079576	no	
2626	3.34e-09	-4.8	ENSG00000131899	LLGL1	chr17	+	18087947	18088914	no	
2627	3.43e-09	-2.53	ENSG00000164093	PITX2	chr4	-	111777386	111778759	no	
2628	3.43e-09	-4.98	ENSG00000168883	USP39	chr2	+	85721610	85721752	no	
2628	3.43e-09	-5.76	ENSG00000168883	USP39	chr2	+	85728564	85728650	no	
2628	3.43e-09	-7.34	ENSG00000168883	USP39	chr2	+	85729395	85729916	yes	JnId_h_46593
2629	3.47e-09	-3.78	ENSG00000196504	PRPF40A	chr2	-	153281990	153282206	yes	JnId_h_47879
2629	3.47e-09	-2.24	ENSG00000196504	PRPF40A	chr2	-	153228898	153229012	no	
2629	3.47e-09	-2.54	ENSG00000196504	PRPF40A	chr2	-	153224030	153224116	no	

2630	3.47e-09	-6.61	ENSG00000037757	Q9BV20	chr19	+	13745743	13746096	no	
2631	3.47e-09	-2.45	ENSG00000079739	PGM1	chr1	+	63897845	63898504	no	
2632	3.47e-09	-6.55	ENSG0000009954	BAZ1B	chr7	-	72574093	72574551	no	
2632	3.47e-09	-2.35	ENSG0000009954	BAZ1B	chr7	-	72503113	72503260	no	
2632	3.47e-09	-2.14	ENSG0000009954	BAZ1B	chr7	-	72492669	72493263	no	
2633	3.49e-09	-2.09	ENSG00000148399	WDR85	chr9	-	139592898	139593208	yes	JnId_h_80370
2633	3.49e-09	-2.52	ENSG00000148399	WDR85	chr9	-	139569182	139569921	no	
2634	3.5e-09	-2.12	ENSG00000149782	PLCB3	chr11	+	63778946	63779086	no	
2634	3.5e-09	-2.49	ENSG00000149782	PLCB3	chr11	+	63783106	63783292	no	
2635	3.6e-09	-5.64	ENSG00000110172	CHORDC1	chr11	-	89573832	89575367	no	
2636	3.68e-09	-7.29	ENSG00000103067	RBM35B	chr16	-	66819951	66821719	no	
2637	3.72e-09	-6.09	ENSG00000180843	KIAA1618	chr17	+	75907585	75909853	no	
2637	3.72e-09	-2.09	ENSG00000180843	KIAA1618	chr17	+	75924556	75925295	no	
2638	3.73e-09	-4.21	ENSG00000186416	NKRF	chrX	-	118610374	118611141	no	
2639	3.77e-09	-2.68	ENSG00000115163	CENPA	chr2	+	26870184	26870965	no	
2640	3.79e-09	-12.32	ENSG00000165288	BRWD3	chrX	-	79813009	79819518	no	
2641	3.8e-09	-2	ENSG00000148700	ADD3	chr10	+	111883074	111885313	yes	JnId_h_11291
2642	3.87e-09	-2.17	ENSG00000159352	PSMD4	chr1	+	149506273	149506579	no	
2643	3.95e-09	-2.99	ENSG00000105576	TNPO2	chr19	-	12692693	12692804	no	
2643	3.95e-09	-3.67	ENSG00000105576	TNPO2	chr19	-	12673886	12673991	no	
2643	3.95e-09	-2.61	ENSG00000105576	TNPO2	chr19	-	12673566	12673665	no	
2644	4.00E-09	-6.29	ENSG00000184708	EIF4ENIF1	chr22	-	30165355	30166107	no	
2645	4.05e-09	-5.27	ENSG00000080819	CPOX	chr3	-	99780982	99782304	no	
2646	4.07e-09	-3.35	ENSG00000160299	PCNT	chr21	+	46633085	46633227	yes	JnId_h_53055
2646	4.07e-09	-4.6	ENSG00000160299	PCNT	chr21	+	46643932	46644138	no	
2646	4.07e-09	-2.78	ENSG00000160299	PCNT	chr21	+	46689035	46689162	no	
2646	4.07e-09	-3.55	ENSG00000160299	PCNT	chr21	+	46689625	46690106	no	
2647	4.1e-09	-2.35	ENSG00000124160	NCOA5	chr20	-	44123031	44124935	no	
2648	4.12e-09	-5.1	ENSG00000189077	Q86TE9	chr7	-	75461744	75461913	no	
2648	4.12e-09	-7.28	ENSG00000189077	Q86TE9	chr7	-	75454238	75454539	no	
2649	4.18e-09	-2.88	ENSG00000172534	HCFC1	chrX	-	152889293	152890452	no	
2650	4.18e-09	-3.92	ENSG00000172340	SUCLG2	chr3	-	67507836	67508973	no	
2651	4.20e-09	-2.48	ENSG00000172239	PAIP1	chr5	-	43592441	43592947	no	
2652	4.27e-09	-5.56	ENSG00000198380	GFPT1	chr2	-	69405907	69406869	no	
2653	4.38e-09	-7.35	ENSG00000130204	TOMM40	chr19	+	50086328	50086411	no	
2653	4.38e-09	-4.64	ENSG00000130204	TOMM40	chr19	+	50086504	50086786	no	
2654	4.41e-09	-2.61	ENSG00000134899	ERCC5	chr13	+	102295195	102296705	no	
2655	4.45e-09	-2.54	ENSG00000154059	IMPACT	chr18	+	20284741	20287490	no	
2656	4.6e-09	-4.2	ENSG00000113460	BXDC2	chr5	+	34961088	34961857	no	
2657	4.64e-09	-2.65	ENSG00000067836	ROGDI	chr16	-	4792529	4792952	no	
2658	4.67e-09	-7.29	ENSG00000138459	SLC35A5	chr3	+	113784208	113785692	no	
2659	4.76e-09	-5.08	ENSG00000133858	CCDC131	chr12	-	70291105	70291934	yes	JnId_h_19076
2659	4.76e-09	-4.77	ENSG00000133858	CCDC131	chr12	-	70289651	70290612	no	
2660	4.87e-09	-2.42	ENSG00000125703	ATG4C	chr1	+	63041978	63042121	no	
2660	4.87e-09	-8.53	ENSG00000125703	ATG4C	chr1	+	63102251	63103772	no	
2661	4.92e-09	-4.14	ENSG00000105483	CARD8	chr19	-	53404726	53407044	no	
2662	4.92e-09	-3.48	ENSG0000010322	NISCH	chr3	+	52464662	52464790	no	
2662	4.92e-09	-3.03	ENSG0000010322	NISCH	chr3	+	52466899	52466982	no	
2662	4.92e-09	-3.51	ENSG0000010322	NISCH	chr3	+	52500928	52502124	no	
2663	4.94e-09	-9.79	ENSG00000143643	TTC13	chr1	-	229108612	229109388	no	
2664	4.98e-09	-2.35	ENSG00000133424	LARGE	chr22	-	31998847	32000610	no	
2665	5.03e-09	-2.55	ENSG00000204560	DHX16	chr6	-	30735492	30735590	no	
2665	5.03e-09	-2.63	ENSG00000204560	DHX16	chr6	-	30731191	30731353	no	
2665	5.03e-09	-3.77	ENSG00000204560	DHX16	chr6	-	30730931	30731092	no	
2665	5.03e-09	-2.92	ENSG00000204560	DHX16	chr6	-	30730462	30730635	no	
2666	5.05e-09	-2.7	ENSG00000168610	STAT3	chr17	-	37793823	37794039	no	
2667	5.1e-09	-4.65	ENSG00000153132	CLGN	chr4	-	141529059	141529908	no	
2668	5.15e-09	-2.07	ENSG00000169684	CHRNA5	chr15	+	76644961	76645222	no	
2668	5.15e-09	-5.68	ENSG00000169684	CHRNA5	chr15	+	76672489	76673493	no	
2669	5.17e-09	-2	ENSG00000103047	TMCO7	chr16	+	67469522	67469684	no	
2669	5.17e-09	-9.96	ENSG00000103047	TMCO7	chr16	+	67674889	67676584	no	
2670	5.37e-09	-5.17	ENSG00000155755	ALS2CR4	chr2	-	202196668	202197290	no	
2671	5.57e-09	-4.22	ENSG00000083799	CYLD	chr16	+	49387736	49390029	no	
2672	5.77e-09	-3.23	ENSG00000134014	ELP3	chr8	+	28006328	28006669	no	

2672	5.77e-09	-2.4	ENSG00000134014	ELP3	chr8	+	28103085	28104592	no	
2673	5.84e-09	-2.06	ENSG00000148180	GSN	chr9	+	123113570	123114587	no	
2674	5.89e-09	-4.74	ENSG00000106078	COBL	chr7	-	51051404	51052759	no	
2675	5.93e-09	-2.17	ENSG00000155097	ATP6V1C1	chr8	+	104150056	104154460	no	
2676	6.2e-09	-2.2	ENSG00000128789	TNFSF5IP1	chr18	+	12692425	12693163	no	
2677	6.31e-09	-3.61	ENSG00000144566	RAB5A	chr3	+	20000204	20001647	no	
2678	6.35e-09	-2.47	ENSG0000010278	CD9	chr12	+	6217190	6217686	no	
2678	6.35e-09	-2.99	ENSG00000129245	FXR2	chr17	-	7458495	7458885	no	
2680	6.47e-09	-5.46	ENSG00000198121	EDG2	chr9	-	112675364	112677823	no	
2681	6.5e-09	-2.71	ENSG00000084070	SMAP1L	chr1	+	40611956	40612482	no	
2681	6.5e-09	-2.98	ENSG00000084070	SMAP1L	chr1	+	40660235	40661585	no	
2682	6.54e-09	-2.54	ENSG00000152700	SAR1B	chr5	-	133969443	133970655	no	
2683	6.59e-09	-2.12	ENSG00000105705	SF4	chr19	-	19249543	19249688	no	
2683	6.59e-09	-4.44	ENSG00000105705	SF4	chr19	-	19247827	19248483	no	
2684	6.65e-09	-3.68	ENSG00000176619	LMNB2	chr19	-	2407668	2407958	no	
2685	6.68e-09	-3.2	ENSG00000160633	SAFB	chr19	+	5615033	5615170	no	
2685	6.68e-09	-4.63	ENSG00000160633	SAFB	chr19	+	5618057	5618175	no	
2685	6.68e-09	-9.13	ENSG00000160633	SAFB	chr19	+	5619173	5619488	no	
2686	6.79e-09	-2.07	ENSG00000164896	FASTK	chr7	-	150404933	150405047	yes	JnId_h_74014
2686	6.79e-09	-2.03	ENSG00000164896	FASTK	chr7	-	150404641	150404852	no	
2687	6.8e-09	-3.29	ENSG00000160072	ATAD3B	chr1	+	1409812	1410414	no	
2687	6.8e-09	-2.87	ENSG00000160072	ATAD3B	chr1	+	1420728	1421445	no	
2688	6.89e-09	-2.82	ENSG00000082212	ME2	chr18	+	46659433	46659676	no	
2688	6.89e-09	-2.08	ENSG00000082212	ME2	chr18	+	46727385	46728256	no	
2689	6.98e-09	-4.4	ENSG00000149231	CCDC82	chr11	-	95725589	95726526	no	
2690	7.00e-09	-3.35	ENSG00000136295	TTYH3	chr7	+	2638129	2638438	no	
2691	7.22e-09	-2.16	ENSG00000169188	APEX2	chrX	+	55049676	55052215	no	
2692	7.25e-09	-3.6	ENSG00000100262	ARFGAP3	chr22	-	41522476	41523555	no	
2693	7.3e-09	-5.94	ENSG00000130724	CHMP2A	chr19	-	63754746	63754955	no	
2694	7.35e-09	-3.59	ENSG00000076321	KLHL20	chr1	+	172020924	172022446	no	
2695	7.4e-09	-2.73	ENSG00000137817	PARP6	chr15	-	70320594	70320952	no	
2696	7.42e-09	-2.5	ENSG00000134283	PPHLN1	chr12	+	41121384	41122016	no	
2696	7.42e-09	-2.44	ENSG00000134283	PPHLN1	chr12	+	41126042	41126359	no	
2697	7.89e-09	-2.93	ENSG00000151229	SLC2A13	chr12	-	38435090	38440321	no	
2698	8.02e-09	-2.26	ENSG00000010165	KIAA0859	chr1	+	170021642	170021841	no	
2698	8.02e-09	-3.53	ENSG00000010165	KIAA0859	chr1	+	170032245	170033480	no	
2699	8.48e-09	-2.58	ENSG00000111731	KIAA0528	chr12	-	22492808	22494092	no	
2700	8.72e-09	-5.13	ENSG00000160439	RDH13	chr19	-	60247523	60248489	no	
2701	8.75e-09	-2.74	ENSG00000164741	DLC1	chr8	-	12985243	12987811	no	
2702	8.75e-09	-2.22	ENSG00000149823	C11orf2	chr11	+	64620259	64620526	no	
2702	8.75e-09	-2.17	ENSG00000149823	C11orf2	chr11	+	64635375	64635756	no	
2703	8.8e-09	-8.21	ENSG00000107731	UNC5B	chr10	+	72642333	72642827	no	
2704	8.96e-09	-3.05	ENSG00000051009	C11orf56	chr11	-	6189153	6189673	no	
2705	9.12e-09	-3.87	ENSG00000139505	MTMR6	chr13	-	24759362	24760147	no	
2705	9.12e-09	-5.05	ENSG00000139505	MTMR6	chr13	-	24718339	24721630	no	
2705	9.12e-09	-3.18	ENSG00000118193	KIF14	chr1	-	198801196	198801420	no	
2705	9.12e-09	-5.74	ENSG00000118193	KIF14	chr1	-	198787248	198789518	no	
2707	9.25e-09	-3.03	ENSG00000140854	KATNB1	chr16	+	56328618	56328696	no	
2707	9.25e-09	-2.72	ENSG00000140854	KATNB1	chr16	+	56347769	56347885	no	
2707	9.25e-09	-5.22	ENSG00000140854	KATNB1	chr16	+	56348227	56348657	no	
2708	9.5e-09	-2.3	ENSG00000141448	GATA6	chr18	+	18034617	18036225	no	
2708	9.5e-09	-3.24	ENSG00000175931	UBE2O	chr17	-	71960402	71960883	no	
2710	9.53e-09	-2.6	ENSG00000176371	ZSCAN2	chr15	+	82964837	82967951	no	
2711	9.68e-09	-3.27	ENSG00000204160	ZDHHC18	chr1	+	27025788	27026217	no	
2711	9.68e-09	-2.08	ENSG00000204160	ZDHHC18	chr1	+	27052804	27054794	no	
2712	9.78e-09	-6.12	ENSG00000146007	ZMAT2	chr5	+	140061775	140061898	no	
2712	9.78e-09	-21.47	ENSG00000146007	ZMAT2	chr5	+	140065382	140066423	no	
2713	9.84e-09	-3.63	ENSG00000105701	FKBP8	chr19	-	18515296	18515383	no	
2714	9.84e-09	-2.85	ENSG00000123066	THRAP2	chr12	-	114880766	114883586	no	
2714	9.84e-09	-4.06	ENSG00000137941	TTLL7	chr1	-	84185395	84185897	no	
2714	9.84e-09	-5.37	ENSG00000137941	TTLL7	chr1	-	84103299	84108353	yes	JnId_h_4011
2716	9.98e-09	-3.68	ENSG00000119927	GPAM	chr10	-	113903618	113907137	"yes	JnId_h_11345;JnId_h_11346;JnId_h_11346"
2717	1.02e-08	-3.06	ENSG00000064545	TMEM161A	chr19	-	19104939	19105019	no	
2717	1.02e-08	-2.64	ENSG00000064545	TMEM161A	chr19	-	19091430	19091992	no	

2718	1.03e-08	-2.78	ENSG00000164237	CMBL	chr5	-	10332389	10333744	no
2719	1.08e-08	-2.46	ENSG00000068366	ACSL4	chrX	-	108863024	108863277	no
2720	1.09e-08	-2.88	ENSG00000137500	CCDC90B	chr11	-	82674564	82675045	yes,JnId_h_15415
2720	1.09e-08	-9.42	ENSG00000137500	CCDC90B	chr11	-	82650154	82650656	no
2721	1.09e-08	-3.59	ENSG00000174891	RSRC1	chr3	+	159744666	159745268	no
2722	1.09e-08	-3.1	ENSG00000136738	STAM	chr10	+	17796548	17797919	no
2723	1.12e-08	-2.52	ENSG00000158636	C11orf30	chr11	+	75938644	75940234	no
2724	1.16e-08	-3.79	ENSG00000165281	FANCG	chr9	-	35069438	35070013	"yes,JnId_h_77439;JnId_h_77438"
2724	1.16e-08	-4.42	ENSG00000165281	FANCG	chr9	-	35064924	35065079	yes,JnId_b_62105
2724	1.16e-08	-4.15	ENSG00000165281	FANCG	chr9	-	35064368	35064491	yes,JnId_b_62105
2724	1.16e-08	-12.02	ENSG00000165281	FANCG	chr9	-	35063835	35064213	no
2725	1.17e-08	-2.53	ENSG00000172292	LASS6	chr2	+	169334266	169339398	no
2726	1.18e-08	-4.42	ENSG00000055044	Q53SA4	chr2	+	202876354	202876596	no
2727	1.18e-08	-4.74	ENSG00000008130	NADK	chr1	-	1699588	1699769	yes,JnId_b_161
2728	1.22e-08	-5.92	ENSG00000167220	HDHD2	chr18	-	42887777	42889154	no
2729	1.23e-08	-4.18	ENSG00000171055	FEZ2	chr2	-	36678524	36678827	no
2729	1.23e-08	-5.82	ENSG00000171055	FEZ2	chr2	-	36632910	36633826	no
2730	1.24e-08	-2.64	ENSG00000128829	EIF2AK4	chr15	+	38114520	38115089	no
2731	1.24e-08	-9.84	ENSG00000100288	CPT1B	chr22	-	49354156	49354716	no
2732	1.25e-08	-3.33	ENSG00000066455	GOLGA5	chr14	+	92330403	92330554	no
2732	1.25e-08	-2.19	ENSG00000066455	GOLGA5	chr14	+	92369220	92369445	no
2732	1.25e-08	-5.87	ENSG00000066455	GOLGA5	chr14	+	92375464	92376057	no
2733	1.26e-08	-2.46	ENSG00000184863	PRR8	chr7	+	155186228	155186630	no
2733	1.26e-08	-3.27	ENSG00000184863	PRR8	chr7	+	155223515	155225481	yes,JnId_b_59438
2734	1.26e-08	-2.46	ENSG00000077044	DGKD	chr2	+	234015272	234015380	no
2735	1.27e-08	-5.12	ENSG00000121058	COIL	chr17	-	52370562	52371514	no
2736	1.34e-08	-3.29	ENSG00000104973	MED25	chr19	+	55031295	55032049	yes,JnId_b_35165
2736	1.34e-08	-2.52	ENSG00000104973	MED25	chr19	+	55033649	55033848	no
2737	1.38e-08	-78.49	ENSG00000132002	DNAJB1	chr19	-	14486582	14487982	no
2738	1.39e-08	-2.05	ENSG00000151012	SLC7A11	chr4	-	139304698	139312621	no
2739	1.40e-08	-2.73	ENSG00000133103	COG6	chr13	+	39223083	39224766	no
2740	1.42e-08	-2.36	ENSG00000168872	DDX19A	chr16	+	68963329	68964780	no
2741	1.44e-08	-2.19	ENSG00000101104	C20orf119	chr20	+	42972117	42972391	no
2741	1.44e-08	-5.04	ENSG00000101104	C20orf119	chr20	+	43020392	43021090	no
2742	1.45e-08	-3.31	ENSG00000001497	LAS1L	chrX	-	64649187	64649506	yes,JnId_h_81580
2743	1.46e-08	-2.3	ENSG00000196449	YRDC	chr1	-	38041201	38042256	no
2744	1.48e-08	-2.21	ENSG00000148634	HERC4	chr10	-	69362360	69362543	no
2745	1.49e-08	-3.76	ENSG00000125734	Q96I30	chr19	-	6681998	6682122	no
2745	1.49e-08	-5.63	ENSG00000125734	Q96I30	chr19	-	6681068	6681395	no
2746	1.49e-08	-2.87	ENSG00000196187	TMEM63A	chr1	-	224099860	224101256	no
2747	1.49e-08	-2.87	ENSG00000182054	IDH2	chr15	-	88428220	88428589	no
2748	1.52e-08	-2.72	ENSG0000012048	BRCA1	chr17	-	38510411	38510499	no
2748	1.52e-08	-3.52	ENSG0000012048	BRCA1	chr17	-	38509665	38509804	no
2748	1.52e-08	-3.14	ENSG0000012048	BRCA1	chr17	-	38449840	38451345	no
2749	1.54e-08	-3.07	ENSG00000205269	Q5T4T1	chr6	+	11683650	11691743	no
2750	1.54e-08	-2.87	ENSG00000123159	GIPC1	chr19	-	14454501	14454818	no
2750	1.54e-08	-2.98	ENSG00000123159	GIPC1	chr19	-	14449572	14450379	no
2751	1.55e-08	-2.2	ENSG00000111412	C12orf49	chr12	-	115659978	115660226	no
2752	1.61e-08	-2.95	ENSG00000130714	POMT1	chr9	+	133368126	133368281	no
2752	1.61e-08	-2.85	ENSG00000130714	POMT1	chr9	+	133369397	133369548	no
2752	1.61e-08	-2.25	ENSG00000130714	POMT1	chr9	+	133371322	133371428	no
2752	1.61e-08	-2.63	ENSG00000130714	POMT1	chr9	+	133388140	133389014	no
2753	1.61e-08	-2.03	ENSG00000084676	NCOA1	chr2	+	24844594	24847075	yes,JnId_h_44615
2754	1.63e-08	-2.16	ENSG00000138030	KHK	chr2	+	27176037	27177144	no
2755	1.69e-08	-3.06	ENSG00000160957	RECQL4	chr8	-	145708102	145708258	no
2755	1.69e-08	-4.21	ENSG00000160957	RECQL4	chr8	-	145707480	145707746	no
2756	1.70e-08	-2.83	ENSG00000152256	PDK1	chr2	+	173129025	173129320	no
2756	1.70e-08	-2.73	ENSG00000152256	PDK1	chr2	+	173168803	173172108	no
2757	1.7e-08	-2.21	ENSG00000137103	C9orf127	chr9	+	35843502	35844843	no
2758	1.74e-08	-2.15	ENSG00000165795	NDRG2	chr14	-	20554763	20555761	no
2759	1.75e-08	-2.84	ENSG00000011566	MAP4K3	chr2	-	39329911	39331350	no
2760	1.80e-08	-3.68	ENSG00000137135	C9orf100	chr9	-	35655029	35655284	no
2760	1.80e-08	-5.3	ENSG00000137135	C9orf100	chr9	-	35649341	35651999	no
2761	1.85e-08	-6.19	ENSG00000101849	TBL1X	chrX	+	9393039	9393487	yes,JnId_b_64482

2762	1.90e-08	-2.1	ENSG00000196588	Q29R68	chr22	-	39136252	39137857	no	
2763	1.96e-08	-29.73	ENSG00000175868	CALCB	chr11	+	15056205	15056754	no	
2764	1.98e-08	-2.56	ENSG00000134452	FBXO18	chr10	+	6006280	6006477	yes,JnId_h_8806	
2765	2,00E-08	-4.21	ENSG00000163882	POLR2H	chr3	+	185562254	185562628	no	
2766	2.06e-08	-6.67	ENSG00000173113	TR112_HUMAN	chr11	-	63840743	63841016	no	
2767	2.08e-08	-9.82	ENSG00000049167	ERCC8	chr5	-	60276516	60276648	yes,JnId_h_64062	
2767	2.08e-08	-41.14	ENSG00000049167	ERCC8	chr5	-	60205415	60206267	no	
2768	2.08e-08	-3.46	ENSG00000147471	PROSC	chr8	+	37738833	37739434	no	
2769	2.17e-08	-2.36	ENSG00000143153	ATP1B1	chr1	+	167342182	167342788	no	
2769	2.17e-08	-3.12	ENSG00000143153	ATP1B1	chr1	+	167367154	167368584	no	
2770	2.18e-08	-3.19	ENSG00000110711	AIP	chr11	+	67014835	67015150	no	
2771	2.18e-08	-4.73	ENSG00000147416	ATP6V1B2	chr8	+	20098984	20099333	no	
2772	2.22e-08	-3.82	ENSG00000149806	FAU	chr11	-	64646138	64646236	no	
2773	2.22e-08	-4.1	ENSG00000169032	MAP2K1	chr15	+	64569894	64570935	no	
2774	2.23e-08	-2.11	ENSG00000152894	PTPRK	chr6	-	128684242	128685148	no	
2774	2.23e-08	-5.03	ENSG00000152894	PTPRK	chr6	-	128331627	128333118	no	
2775	2.26e-08	-2.91	ENSG00000169398	PTK2	chr8	-	142080406	142080514	no	
2775	2.26e-08	-2.4	ENSG00000169398	PTK2	chr8	-	141737683	141738959	no	
2776	2.30e-08	-2.35	ENSG00000117305	HMGCL	chr1	-	24000909	24001641	no	
2777	2.35e-08	-2.09	ENSG00000189007	DEADC1	chr6	-	143807387	143807799	yes,JnId_h_70170	
2777	2.35e-08	-2.47	ENSG00000189007	DEADC1	chr6	-	143789819	143791336	no	
2778	2.42e-08	-2.4	ENSG00000135049	AGTPBP1	chr9	-	87477285	87477416	no	
2778	2.42e-08	-2.01	ENSG00000135049	AGTPBP1	chr9	-	87423950	87424036	no	
2778	2.42e-08	-4.2	ENSG00000135049	AGTPBP1	chr9	-	87393033	87393213	no	
2778	2.42e-08	-5.78	ENSG00000135049	AGTPBP1	chr9	-	87380050	87380210	no	
2778	2.42e-08	-7.93	ENSG00000135049	AGTPBP1	chr9	-	87351275	87352021	no	
2779	2.43e-08	-2.62	ENSG00000112655	PTK7	chr6	+	43152007	43152283	no	
2780	2.45e-08	-2.76	ENSG00000081087	OSTM1	chr6	-	108469306	108472737	no	
2781	2.45e-08	-3.43	ENSG00000138867	C22orf13	chr22	-	23280917	23281275	yes,JnId_h_53733	
2782	2.47e-08	-4.89	ENSG00000100726	TELO2	chr16	+	1483365	1483607	no	
2782	2.47e-08	-2.14	ENSG00000100726	TELO2	chr16	+	1491422	1491501	yes,JnId_h_28629	
2782	2.47e-08	-5.12	ENSG00000100726	TELO2	chr16	+	1499832	1500454	no	
2783	2.52e-08	-4.24	ENSG00000067182	TNFRSF1A	chr12	-	6321203	6321522	no	
2783	2.52e-08	-12.02	ENSG00000067182	TNFRSF1A	chr12	-	6308185	6309049	no	
2784	2.54e-08	-2.33	ENSG00000001167	NFYA	chr6	+	41148662	41148801	yes,JnId_h_68246	
2785	2.55e-08	-3.77	ENSG00000185324	CDK10	chr16	+	88281617	88281724	"yes,JnId_h_32096;JnId_h_32097"	
2785	2.55e-08	-2.64	ENSG00000185324	CDK10	chr16	+	88288082	88288314	yes,JnId_h_32102	
2785	2.55e-08	-2.74	ENSG00000185324	CDK10	chr16	+	88289504	88290260	no	
2786	2.56e-08	-3.86	ENSG00000185246	PRPF39	chr14	+	44651271	44651455	yes,JnId_h_23539	
2786	2.56e-08	-4.94	ENSG00000185246	PRPF39	chr14	+	44653810	44654552	no	
2787	2.58e-08	-4.66	ENSG00000113580	NR3C1	chr5	-	142762969	142763447	yes,JnId_b_52445	
2787	2.58e-08	-2.19	ENSG00000113580	NR3C1	chr5	-	142637689	142641799	no	
2788	2.67e-08	-2.55	ENSG00000149929	HIRIP3	chr16	-	29911818	29912192	no	
2789	2.67e-08	-2.82	ENSG00000035403	VCL	chr10	+	75427878	75428139	no	
2789	2.67e-08	-3.23	ENSG00000035403	VCL	chr10	+	75504507	75504667	no	
2790	2.69e-08	-2.18	ENSG00000107833	NPM3	chr10	-	103531072	103531379	no	
2791	2.73e-08	-3.24	ENSG00000137221	TJAP1	chr6	+	43553289	43553948	"yes,JnId_h_68484;JnId_h_68486"	
2792	2.73e-08	-2.85	ENSG00000187961	KLHL17	chr1	+	890206	890962	no	
2793	2.73e-08	-2.91	ENSG00000103126	AXIN1	chr16	-	281191	281298	yes,JnId_h_28348	
2793	2.73e-08	-2.77	ENSG00000103126	AXIN1	chr16	-	279441	279608	no	
2793	2.73e-08	-3.39	ENSG00000103126	AXIN1	chr16	-	277441	278249	no	
2794	2.74e-08	-8.45	ENSG00000106245	BUD31	chr7	+	98844537	98844804	yes,JnId_h_72611	
2795	2.75e-08	-2.42	ENSG00000076984	no_name	chr19	+	7880948	7881107	yes,JnId_h_40309	
2796	2.78e-08	-3.03	ENSG00000038219	FAM44A	chr4	-	13179460	13180850	no	
2797	2.79e-08	-3.06	ENSG00000057019	DCBLD2	chr3	-	100102656	100103223	no	
2797	2.79e-08	-3.74	ENSG00000057019	DCBLD2	chr3	-	99997504	100001375	no	
2798	2.9e-08	-3.38	ENSG00000187742	SECISBP2	chr9	+	91163456	91164377	no	
2799	2.97e-08	-2.53	ENSG00000161671	Q5UCC4	chr19	+	55672998	55673070	no	
2799	2.97e-08	-2.27	ENSG00000161671	Q5UCC4	chr19	+	55677218	55678419	yes,JnId_h_43792	
2800	3.07e-08	-2.86	ENSG00000162231	NXF1	chr11	-	62329377	62329529	no	
2800	3.07e-08	-2.49	ENSG00000162231	NXF1	chr11	-	62316220	62316562	no	
2801	3.12e-08	-3.31	ENSG00000198646	NCOA6	chr20	-	32766239	32766830	no	
2802	3.22e-08	-21.33	ENSG00000125445	MRPS7	chr17	+	70773378	70774046	yes,JnId_b_29286	
2803	3.24e-08	-4.18	ENSG00000104763	ASAHL	chr8	-	17986465	17986757	no	

2803	3.24e-08	-2.02	ENSG00000104763	ASAH1	chr8	-	17958214	17959412	no
2804	3.27e-08	-14.33	ENSG00000138650	PCDH10	chr4	+	134330746	134332181	no
2805	3.4e-08	-2.8	ENSG00000119326	CTNNA1	chr9	-	110767479	110767629	no
2806	3.47e-08	-8.88	ENSG00000164329	PAPD4	chr5	+	79016778	79018227	no
2807	3.47e-08	-2.68	ENSG00000147894	C9orf72	chr9	-	27536544	27538420	no
2808	3.5e-08	-4.77	ENSG0000011258	MBTD1	chr17	-	46623961	46625376	no
2809	3.52e-08	-2.73	ENSG00000135775	COG2	chr1	+	228881282	228881421	no
2809	3.52e-08	-6	ENSG00000135775	COG2	chr1	+	228895661	228896351	no
2810	3.53e-08	-8.94	ENSG00000100387	RBX1	chr22	+	39698426	39698628	no
2811	3.53e-08	-3.13	ENSG00000149100	PCID1	chr11	+	32579884	32579944	no
2812	3.67e-08	-2.1	ENSG00000147382	FAM58A	chrX	-	152517614	152517835	no
2813	3.73e-08	-11.96	ENSG00000117650	NEK2	chr1	-	209906395	209907196	no
2813	3.73e-08	-8.58	ENSG00000117650	NEK2	chr1	-	209902737	209903617	no
2814	3.75e-08	-2.42	ENSG00000167862	ICT1	chr17	+	70528611	70528950	no
2815	3.88e-08	-34.78	ENSG00000109686	Q86XB3	chr4	-	152260889	152262809	no
2816	3.91e-08	-17.02	ENSG00000141741	C17orf37	chr17	-	35140186	35140566	no
2817	3.94e-08	-3.2	ENSG00000102910	LONP2	chr16	+	46852836	46852999	yes,JnId_h_30572
2817	3.94e-08	-2.55	ENSG00000102910	LONP2	chr16	+	46861428	46861686	yes,JnId_h_30572
2817	3.94e-08	-3.21	ENSG00000102910	LONP2	chr16	+	46942993	46944908	no
2818	4.00E-08	-5.01	ENSG00000134444	KIAA1468	chr18	+	58123627	58125333	no
2819	4.04e-08	-3.43	ENSG00000157538	DSCR3	chr21	-	37561409	37562090	no
2819	4.04e-08	-2.83	ENSG00000157538	DSCR3	chr21	-	37534667	37534810	no
2820	4.04e-08	-9.99	ENSG00000173039	RELA	chr11	-	65177649	65179047	no
2821	4.06e-08	-16.33	ENSG00000065833	ME1	chr6	-	83976827	83978532	no
2822	4.08e-08	-5.54	ENSG00000120539	MASTL	chr10	+	27483759	27484547	no
2822	4.08e-08	-8.09	ENSG00000120539	MASTL	chr10	+	27515314	27515854	yes,JnId_b_6813
2823	4.1e-08	-2.84	ENSG00000103160	HSDL1	chr16	-	82713389	82715834	no
2824	4.19e-08	-4.84	ENSG0000011243	AKAP8L	chr19	-	15351862	15352241	no
2825	4.19e-08	-2.21	ENSG00000166266	CUL5	chr11	+	107430584	107430729	no
2825	4.19e-08	-2.02	ENSG00000166266	CUL5	chr11	+	107471467	107471628	no
2825	4.19e-08	-3.07	ENSG00000166266	CUL5	chr11	+	107480127	107483676	no
2826	4.27e-08	-3.26	ENSG00000101161	PRPF6	chr20	+	62131174	62131288	no
2826	4.27e-08	-2.89	ENSG00000101161	PRPF6	chr20	+	62133715	62133841	no
2826	4.27e-08	-5.31	ENSG00000101161	PRPF6	chr20	+	62134638	62134893	no
2827	4.36e-08	-7.3	ENSG00000075336	C18orf55	chr18	+	69976591	69977177	no
2828	4.47e-08	-3.67	ENSG00000151491	EPS8	chr12	-	15664343	15665631	no
2829	4.63e-08	-4.12	ENSG00000111364	DDX55	chr12	+	122670464	122671433	no
2830	4.7e-08	-4.26	ENSG00000175215	CTDSP2	chr12	-	56526422	56526789	no
2831	4.73e-08	-3.18	ENSG00000068903	SIRT2	chr19	-	44081986	44082304	yes,JnId_h_42364
2831	4.73e-08	-5.6	ENSG00000068903	SIRT2	chr19	-	44061061	44061407	no
2832	4.79e-08	-2.21	ENSG00000163291	PAQR3	chr4	-	80060712	80060859	no
2833	4.8e-08	-7.59	ENSG00000162409	PRKAA2	chr1	+	56945736	56953596	no
2834	4.81e-08	-3.24	ENSG00000134759	ELP2	chr18	+	32001062	32001183	no
2834	4.81e-08	-3.37	ENSG00000134759	ELP2	chr18	+	32005008	32005121	no
2834	4.81e-08	-4.55	ENSG00000134759	ELP2	chr18	+	32008446	32008616	no
2835	4.82e-08	-3.1	ENSG00000125844	RRBP1	chr20	-	17610673	17610878	no
2835	4.82e-08	-3.53	ENSG00000125844	RRBP1	chr20	-	17542323	17542865	no
2836	4.86e-08	-4.16	ENSG00000141971	FAM125A	chr19	+	17391853	17392034	no
2836	4.86e-08	-3.85	ENSG00000141971	FAM125A	chr19	+	17396740	17397141	no
2837	4.96e-08	-2.2	ENSG00000101079	NDRG3	chr20	-	34783496	34783600	no
2838	5.23e-08	-2.02	ENSG00000100889	PCK2	chr14	+	23633323	23633483	no
2838	5.23e-08	-3.48	ENSG00000100889	PCK2	chr14	+	23642559	23643179	yes,JnId_h_23107
2839	5.31e-08	-2.66	ENSG00000101811	CSTF2	chrX	+	99979884	99980009	no
2840	5.32e-08	-2.08	ENSG00000167491	GATAD2A	chr19	+	19477153	19478787	no
2841	5.45e-08	-6.6	ENSG00000150093	ITGB1	chr10	-	33287079	33287204	no
2841	5.45e-08	-2.62	ENSG00000150093	ITGB1	chr10	-	33229326	33230569	no
2842	5.72e-08	-2.24	ENSG00000156471	PTDSS1	chr8	+	97414861	97415950	no
2843	5.75e-08	-5.16	ENSG00000106397	PLOD3	chr7	-	100647167	100647731	no
2843	5.75e-08	-2.32	ENSG00000106397	PLOD3	chr7	-	100643108	100643205	no
2843	5.75e-08	-2.44	ENSG00000106397	PLOD3	chr7	-	100635979	100636437	no
2844	5.87e-08	-2.75	ENSG00000166851	PLK1	chr16	+	23597692	23598162	no
2844	5.87e-08	-2.56	ENSG00000166851	PLK1	chr16	+	23608682	23609188	no
2845	5.92e-08	-2.91	ENSG0000007541	PIGQ	chr16	+	572884	574109	no
2846	6.02e-08	-2.39	ENSG00000114331	CENTB2	chr3	-	196476768	196481446	no

2847	6.1e-08	-4.95	ENSG00000060656	PTPRU	chr1	+	29435615	29435816	no	
2847	6.1e-08	-2.99	ENSG00000060656	PTPRU	chr1	+	29458548	29458663	no	
2847	6.1e-08	-2.47	ENSG00000060656	PTPRU	chr1	+	29524698	29525899	no	
2848	6.12e-08	-3.39	ENSG00000112651	MRPL2	chr6	-	43131261	43131334	yes	JnId_h_68397
2848	6.12e-08	-6.22	ENSG00000112651	MRPL2	chr6	-	43129745	43130202	yes	JnId_b_54879
2849	6.29e-08	-5.33	ENSG00000189339	SLC35E2	chr1	-	1582802	1587321	no	
2850	6.42e-08	-2.27	ENSG00000198522	ZNF512	chr2	+	27697524	27699467	no	
2851	6.5e-08	-3.62	ENSG00000142599	RERE	chr1	-	8335044	8337767	no	
2852	6.54e-08	-9.75	ENSG00000196284	SUPT3H	chr6	-	44904447	44905591	no	
2853	6.65e-08	-2.1	ENSG00000115840	SLC25A12	chr2	-	172401877	172402023	no	
2853	6.65e-08	-5.87	ENSG00000115840	SLC25A12	chr2	-	172349127	172350231	no	
2854	6.65e-08	-3.44	ENSG00000080345	RIF1	chr2	+	152039617	152040665	no	
2854	6.65e-08	-8.93	ENSG00000197965	MPZL1	chr1	+	166000919	166001610	yes	JnId_b_4851
2856	6.66e-08	-4	ENSG00000138073	PREB	chr2	-	27210659	27211047	yes	JnId_h_44783
2857	6.79e-08	-2.36	ENSG00000165914	TTC7B	chr14	-	90352272	90352514	no	
2858	6.83e-08	-2.88	ENSG00000160584	Q0IJ40	chr11	-	116219328	116221555	no	
2859	7.12e-08	-2.68	ENSG00000138031	ADCY3	chr2	-	24898884	24899003	no	
2860	7.27e-08	-3.44	ENSG00000109320	NFKB1	chr4	+	103641518	103641977	no	
2861	7.28e-08	-2.46	ENSG00000157796	WDR19	chr4	+	38883578	38883751	no	
2862	7.44e-08	-6.89	ENSG00000154743	TSEN2	chr3	+	12501010	12501379	no	
2862	7.44e-08	-7.86	ENSG00000154743	TSEN2	chr3	+	12549161	12549809	no	
2862	7.44e-08	-7.3	ENSG00000154743	TSEN2	chr3	+	12555660	12556122	no	
2863	7.51e-08	-2.8	ENSG00000128973	CLN6	chr15	-	66308894	66309102	no	
2864	7.58e-08	-2.24	ENSG00000108557	RAI1	chr17	+	17654009	17655492	no	
2865	7.6e-08	-4.21	ENSG00000146281	ACY1L2	chr6	+	89915703	89915851	no	
2865	7.6e-08	-7.91	ENSG00000146281	ACY1L2	chr6	+	89928547	89932003	no	
2866	7.61e-08	-2.77	ENSG00000143303	Clorf66	chr1	+	154973048	154973365	no	
2867	7.7e-08	-2.67	ENSG00000101365	IDH3B	chr20	-	2587040	2587483	"yes	JnId_h_50037;JnId_h_50038;JnId_h_50038"
2868	7.83e-08	-38.81	ENSG00000164620	C5orf16	chr5	+	140996777	140998160	yes	JnId_b_52400
2869	7.84e-08	-4.1	ENSG00000119185	ITGB1BP1	chr2	-	9463264	9463637	no	
2870	8.00E-08	-3.37	ENSG00000162368	CMPK	chr1	+	47611214	47611702	no	
2871	8.16e-08	-3.5	ENSG00000082269	KIAA1411	chr6	+	71326140	71327595	no	
2872	8.22e-08	-2.91	ENSG00000108055	SMC3	chr10	+	112352222	112352413	no	
2872	8.22e-08	-7.41	ENSG00000108055	SMC3	chr10	+	112353979	112354384	no	
2873	8.23e-08	-3.98	ENSG00000137216	TMEM63B	chr6	+	44230407	44231234	no	
2874	8.44e-08	-4.12	ENSG00000139350	NEDD1	chr12	+	95869858	95871259	no	
2875	8.52e-08	-3.52	ENSG00000102218	RP2	chrX	+	46624065	46626737	no	
2876	8.65e-08	-2.35	ENSG00000149294	NCAM1	chr11	+	112651199	112653781	no	
2877	8.72e-08	-2.04	ENSG00000119383	PPP2R4	chr9	+	130949487	130951046	no	
2877	8.72e-08	-2.33	ENSG00000076770	MBNL3	chrX	-	131333710	131341386	yes	JnId_b_65869
2879	8.85e-08	-2.75	ENSG00000107371	EXOSC3	chr9	-	37770308	37770877	no	
2880	9.03e-08	-2.72	ENSG00000148019	CEP78	chr9	+	80075577	80076416	no	
2881	9.22e-08	-3	ENSG00000198356	ASNA1	chr19	+	12719787	12720137	no	
2882	9.44e-08	-3.05	ENSG00000136261	BZW2	chr7	+	16710697	16710819	yes	JnId_b_56885
2882	9.44e-08	-3.03	ENSG00000136261	BZW2	chr7	+	16712210	16712662	no	
2883	9.48e-08	-2.33	ENSG00000166575	TMEM135	chr11	+	86709891	86712216	no	
2884	9.66e-08	-2.11	ENSG00000113595	TRIM23	chr5	-	64955777	64956199	no	
2885	9.83e-08	-2.19	ENSG00000130021	HDHD1A	chrX	-	6976961	6978513	no	
2886	1.02e-07	-2.37	ENSG00000166681	NGFRAP1	chrX	+	102517910	102518197	no	
2887	1.02e-07	-2.31	ENSG00000076201	PTPN23	chr3	+	47397528	47397674	no	
2888	1.03e-07	-2.82	ENSG00000035681	NSMAF	chr8	-	59658624	59659313	no	
2889	1.06e-07	-3.41	ENSG00000116791	CRYZ	chr1	-	74943758	74944729	no	
2889	1.06e-07	-3.42	ENSG00000127993	Q9P078	chr7	+	92001652	92005254	no	
2891	1.06e-07	-2.71	ENSG00000134900	TPP2	chr13	+	102126647	102126766	no	
2891	1.06e-07	-5.63	ENSG00000134900	TPP2	chr13	+	102128578	102129522	no	
2892	1.07e-07	-2.21	ENSG00000178971	C17orf68	chr17	-	8078498	8078698	no	
2892	1.07e-07	-4.19	ENSG00000178971	C17orf68	chr17	-	8070918	8072362	no	
2893	1.08e-07	-5.94	ENSG00000132305	IMMT	chr2	-	86275972	86276108	yes	JnId_b_37579
2893	1.08e-07	-2.38	ENSG00000132305	IMMT	chr2	-	86261933	86262006	yes	JnId_b_37575
2893	1.08e-07	-6.05	ENSG00000132305	IMMT	chr2	-	86254284	86254395	yes	JnId_b_37575
2893	1.08e-07	-2.03	ENSG00000132305	IMMT	chr2	-	86224574	86225515	no	
2894	1.09e-07	-2.37	ENSG00000142188	TMEM50B	chr21	-	33774015	33774155	no	
2894	1.09e-07	-2.11	ENSG00000142188	TMEM50B	chr21	-	33743312	33745040	no	
2895	1.09e-07	-3.19	ENSG00000170871	K0232_HUMAN	chr4	+	6933415	6936791	no	

2896	1.1e-07	-2.51	ENSG00000119929	CUTC	chr10	+	101505372	101505881	no	
2897	1.10e-07	-2.11	ENSG00000085840	ORC1L	chr1	-	52642506	52642719	no	
2897	1.10e-07	-5.99	ENSG00000085840	ORC1L	chr1	-	52611089	52611635	no	
2898	1.11e-07	-4.42	ENSG00000156675	RAB11FIP1		chr8	-	37847954	37849855	no
2899	1.11e-07	-2.31	ENSG00000153317	DDEF1	chr8	-	131295984	131296129	no	
2899	1.11e-07	-2.63	ENSG00000153317	DDEF1	chr8	-	131199917	131200103	no	
2899	1.11e-07	-2.03	ENSG00000153317	DDEF1	chr8	-	131133535	131136233	no	
2900	1.12e-07	-3.55	ENSG00000064313	TAF2	chr8	-	120900767	120900927	yes	JnId_h_76146
2900	1.12e-07	-2.2	ENSG00000064313	TAF2	chr8	-	120879083	120879267	yes	JnId_h_76146
2900	1.12e-07	-2.46	ENSG00000064313	TAF2	chr8	-	120862474	120862614	yes	JnId_h_76146
2900	1.12e-07	-3	ENSG00000064313	TAF2	chr8	-	120812196	120813607	yes	JnId_h_76142
2901	1.14e-07	-2.39	ENSG00000086589	RBM22	chr5	-	150060687	150060817	no	
2902	1.14e-07	-5.08	ENSG00000171109	MFN1	chr3	+	180592463	180593700	no	
2903	1.16e-07	-3.22	ENSG00000105393	Q9P018	chr19	+	17250654	17251162	no	
2904	1.16e-07	-5.9	ENSG00000100580	TMED8	chr14	-	76871119	76872824	no	
2905	1.16e-07	-3.37	ENSG00000075420	FNDC3B	chr3	+	173597648	173601181	no	
2906	1.19e-07	-3.11	ENSG00000198055	GRK6	chr5	+	176786294	176786504	no	
2906	1.19e-07	-2.58	ENSG00000198055	GRK6	chr5	+	176801344	176801434	no	
2907	1.23e-07	-3.67	ENSG00000104369	JPH1	chr8	-	75309493	75311824	no	
2908	1.24e-07	-3.65	ENSG00000104375	STK3	chr8	-	99536041	99537404	no	
2909	1.25e-07	-2.42	ENSG00000102900	NUP93	chr16	+	55430365	55430482	no	
2909	1.25e-07	-2.11	ENSG00000102900	NUP93	chr16	+	55435912	55436177	no	
2910	1.29e-07	-2.11	ENSG00000196498	NCOR2	chr12	-	123374915	123376082	no	
2911	1.29e-07	-2.41	ENSG00000183495	EP400	chr12	+	131011082	131012452	no	
2912	1.33e-07	-2.32	ENSG00000075413	MARK3	chr14	+	102921524	102922170	no	
2912	1.33e-07	-4.76	ENSG00000075413	MARK3	chr14	+	103038972	103039917	yes	JnId_h_25359
2913	1.36e-07	-2.39	ENSG00000198862	ZNF294	chr21	-	29275312	29275492	no	
2913	1.36e-07	-2.83	ENSG00000198862	ZNF294	chr21	-	29222337	29224703	no	
2914	1.37e-07	-2.36	ENSG00000092140	KIAA1333		chr14	+	30155235	30158797	no
2915	1.38e-07	-3.64	ENSG00000165271	NOL6	chr9	-	33454877	33455192	no	
2916	1.39e-07	-3.63	ENSG00000103264	FBXO31	chr16	-	85951402	85952062	no	
2917	1.40e-07	-2.75	ENSG00000136574	GATA4	chr8	+	11602774	11603846	no	
2918	1.41e-07	-2.46	ENSG00000198276	UCKL1	chr20	-	62041630	62041852	yes	JnId_h_52121
2919	1.42e-07	-2.11	ENSG00000117399	CDC20	chr1	+	43597199	43597264	no	
2920	1.5e-07	-2.94	ENSG00000008516	MMP25	chr16	+	3048829	3050728	no	
2921	1.53e-07	-2.1	ENSG00000108666	C17orf75		chr17	-	27689326	27689483	no
2922	1.58e-07	-2.27	ENSG00000157916	RER1	chr1	+	2313127	2313257	yes	JnId_h_290
2923	1.6e-07	-2.64	ENSG00000089057	SLC23A2	chr20	-	4798234	4798699	yes	JnId_h_50212
2924	1.62e-07	-2.03	ENSG00000139517	LNX2	chr13	-	27018048	27020607	no	
2925	1.66e-07	-3	ENSG00000086200	IPO11	chr5	+	61958737	61960164	no	
2926	1.66e-07	-3.17	ENSG00000198168	SVIP_HUMAN		chr11	-	22798433	22801255	no
2927	1.67e-07	-11.58	ENSG00000163257	C4orf30	chr4	-	17411376	17415492	"yes	JnId_h_61000;JnId_h_61001"
2928	1.71e-07	-4.41	ENSG00000143228	NUF2	chr1	+	161591749	161592178	no	
2929	1.75e-07	-2.21	ENSG00000120756	PLS1	chr3	+	143885538	143885703	no	
2929	1.75e-07	-4.12	ENSG00000120756	PLS1	chr3	+	143913404	143915191	no	
2930	1.78e-07	-2.79	ENSG00000172590	MRPL52	chr14	+	22373221	22374079	no	
2931	1.79e-07	-2.78	ENSG00000126787	DLG7	chr14	-	54684601	54684944	no	
2932	1.81e-07	-2.24	ENSG00000145293	ENOPH1	chr4	+	83600158	83601263	no	
2933	1.86e-07	-3.51	ENSG00000148339	SLC25A25		chr9	+	129870300	129870680	no
2934	1.87e-07	-5.29	ENSG00000187231	SESTD1	chr2	-	179681776	179683000	no	
2935	1.90e-07	-4.68	ENSG00000102901	CENPT	chr16	-	66425154	66425504	no	
2935	1.90e-07	-3.61	ENSG00000102901	CENPT	chr16	-	66423158	66423294	yes	JnId_h_31185
2936	1.93e-07	-2.63	ENSG00000176871	WSB2	chr12	-	116954882	116956546	no	
2937	1.97e-07	-2.41	ENSG00000140553	UNC45A	chr15	+	89279536	89279609	yes	JnId_b_22112
2937	1.97e-07	-3.03	ENSG00000140553	UNC45A	chr15	+	89297693	89298326	no	
2938	2.01e-07	-2.52	ENSG00000196652	ZKSCAN5	chr7	+	98966667	98969380	no	
2939	2.02e-07	-8.22	ENSG00000159445	THEM4	chr1	-	150148460	150148908	no	
2939	2.02e-07	-2.51	ENSG00000159445	THEM4	chr1	-	150112684	150114028	no	
2940	2.05e-07	-2.82	ENSG00000121753	BAI2	chr1	-	31965305	31965793	no	
2941	2.08e-07	-3.07	ENSG00000105677	TMEM147	chr19	+	40730066	40730268	no	
2942	2.16e-07	-4.56	ENSG00000185722	ANKFY1	chr17	-	4057977	4058126	no	
2943	2.16e-07	-3.5	ENSG00000091129	NRCAM	chr7	-	107575318	107577828	no	
2944	2.17e-07	-2.28	ENSG00000137200	KIAA0082		chr6	+	37555767	37557266	no
2945	2.18e-07	-2.29	ENSG00000170365	SMAD1	chr4	+	146698393	146699773	no	

2946	2.18e-07	-2.39	ENSG00000127947	PTPN12	chr7	+	77106472	77107324	no
2947	2.19e-07	-5.95	ENSG00000089876	DHX32	chr10	-	127532520	127533418	no
2948	2.20e-07	-2.74	ENSG00000129071	MBD4	chr3	-	130632483	130633111	no
2949	2.25e-07	-3.51	ENSG00000164111	ANXA5	chr4	-	122837468	122837626	no
2949	2.25e-07	-3.44	ENSG00000164111	ANXA5	chr4	-	122837186	122837229	no
2949	2.25e-07	-2.68	ENSG00000164111	ANXA5	chr4	-	122823969	122824082	yes,JnId_h_62499
2949	2.25e-07	-4.07	ENSG00000164111	ANXA5	chr4	-	122808598	122809132	no
2950	2.36e-07	-2.33	ENSG00000132005	RFX1	chr19	-	13965337	13965707	no
2950	2.36e-07	-2.05	ENSG00000132005	RFX1	chr19	-	13944555	13944939	no
2950	2.36e-07	-3.45	ENSG00000132005	RFX1	chr19	-	13933353	13934676	no
2951	2.39e-07	-2.67	ENSG00000107890	ANKRD26	chr10	-	27333233	27334658	no
2951	2.39e-07	-2.82	ENSG00000090581	GNPTG	chr16	+	1352999 1353352	yes,JnId_h_28592	
2953	2.45e-07	-2.62	ENSG00000141560	Q6FIG5	chr17	+	78277998	78279178	no
2954	2.52e-07	-6.82	ENSG00000150051	MKX	chr10	-	28001809	28004350	no
2955	2.53e-07	-2.12	ENSG00000137547	MRPL15	chr8	+	55217776	55217899	no
2955	2.53e-07	-4.44	ENSG00000137547	MRPL15	chr8	+	55222495	55223011	no
2956	2.55e-07	-5.31	ENSG00000111639	MRPL51	chr12	-	6471579 6471894	no	
2957	2.58e-07	-8.89	ENSG00000104643	MTMR9	chr8	+	11217544	11223080	no
2958	2.62e-07	-2.91	ENSG00000151498	ACAD8	chr11	+	133628617	133628813	no
2958	2.62e-07	-4.15	ENSG00000151498	ACAD8	chr11	+	133640012	133640954	no
2959	2.63e-07	-5.3	ENSG00000007520	C16orf42	chr16	-	1341695	1341876	no
2960	2.64e-07	-2.54	ENSG00000076924	XAB2	chr19	-	7591161 7591332	no	
2960	2.64e-07	-3.37	ENSG00000076924	XAB2	chr19	-	7590832 7590961	no	
2960	2.64e-07	-2.74	ENSG00000076924	XAB2	chr19	-	7590633 7590742	no	
2961	2.78e-07	-2.14	ENSG00000138686	BBS7	chr4	-	123010883	123011092	no
2961	2.78e-07	-4.92	ENSG00000138686	BBS7	chr4	-	122965089	122966598	no
2962	2.82e-07	-3.81	ENSG00000110514	MADD	chr11	+	47263578	47263717	yes,JnId_h_13320
2962	2.82e-07	-5.21	ENSG00000110514	MADD	chr11	+	47307173	47308158	yes,JnId_h_13339
2963	2.85e-07	-9.23	ENSG00000153250	RBMS1	chr2	-	161058046	161058551	no
2964	2.86e-07	-2.27	ENSG00000152102	Q69YH2	chr2	-	131522249	131522406	no
2965	2.86e-07	-37.65	ENSG00000142611	PRDM16	chr1	+	3317808 3319224	no	
2965	2.86e-07	-69.36	ENSG00000142611	PRDM16	chr1	+	3340101 3345045	no	
2966	2.87e-07	-2.82	ENSG00000151693	DDEF2	chr2	+	9264345 9264810	no	
2966	2.87e-07	-2.19	ENSG00000151693	DDEF2	chr2	+	9460833 9463257	no	
2967	2.88e-07	-3.18	ENSG00000129353	SLC44A2	chr19	+	10603302	10603425	yes,JnId_b_32249
2967	2.88e-07	-3.77	ENSG00000129353	SLC44A2	chr19	+	10614955	10616233	no
2968	2.90e-07	-2.42	ENSG00000132591	ERAL1	chr17	+	24206153	24206461	no
2969	2.90e-07	-3.69	ENSG00000156697	UTP14A	chrX	+	128869024	128869099	yes,JnId_h_82550
2969	2.90e-07	-4.32	ENSG00000156697	UTP14A	chrX	+	128882114	128882237	no
2969	2.90e-07	-7.02	ENSG00000156697	UTP14A	chrX	+	128890993	128891409	no
2970	2.91e-07	-2.04	ENSG00000137269	LRRC1	chr6	+	53877136	53878119	yes,JnId_b_55141
2971	2.99e-07	-4.96	ENSG00000040531	CTNS	chr17	+	3486765 3486874	no	
2972	3.02e-07	-2.07	ENSG00000159267	HLCS	chr21	-	37045066	37048588	no
2973	3.02e-07	-2.75	ENSG00000087299	L2HGDH	chr14	-	49782933	49783721	no
2974	3.03e-07	-3.91	ENSG00000135040	MAK10	chr9	+	87746264	87746609	yes,JnId_b_62496
2974	3.03e-07	-4.32	ENSG00000135040	MAK10	chr9	+	87826636	87827033	no
2975	3.03e-07	-4.59	ENSG00000169991	Q9H7K0	chr1	-	19103362	19107747	no
2976	3.1e-07	-4.04	ENSG00000185000	DGAT1	chr8	-	145520908	145521360	no
2976	3.1e-07	-2.39	ENSG00000185000	DGAT1	chr8	-	145510763	145511180	no
2977	3.15e-07	-3.76	ENSG00000123091	RNF11	chr1	+	51509411	51511798	no
2978	3.16e-07	-3.4	ENSG00000113240	CLK4	chr5	-	177962272	177963364	no
2979	3.17e-07	-9.57	ENSG00000123106	CCDC91	chr12	+	28593263	28594365	no
2980	3.18e-07	-3.77	ENSG00000103035	PSMD7	chr16	+	72892451	72892543	no
2980	3.18e-07	-3.2	ENSG00000103035	PSMD7	chr16	+	72896688	72897685	no
2981	3.25e-07	-2.86	ENSG00000148824	MTG1	chr10	+	135083520	135084813	no
2982	3.45e-07	-15.53	ENSG00000122008	POLK	chr5	+	74929515	74932725	no
2983	3.56e-07	-2.11	ENSG00000135521	LTV1	chr6	+	144225674	144225726	no
2983	3.56e-07	-5.88	ENSG00000135521	LTV1	chr6	+	144226247	144226642	no
2984	3.56e-07	-2.11	ENSG00000003989	SLC7A2	chr8	+	17466733	17472296	no
2985	3.78e-07	-3.41	ENSG00000103653	CSK	chr15	+	72861651	72861876	no
2986	3.84e-07	-2.51	ENSG00000168653	NDUFS5	chr1	+	39272651	39272895	no
2987	3.90e-07	-4.52	ENSG00000103544	Q7L371	chr16	+	19619201	19619943	no
2988	3.95e-07	-2.5	ENSG00000062582	MRPS24	chr7	-	43872685	43873106	no
2989	4.01e-07	-3.77	ENSG00000163964	PIGX	chr3	+	197945027	197946161	no

2990	4.07e-07	-2.68	ENSG00000107938	C10orf137	chr10	+	127398074	127398474	no
2990	4.07e-07	-4.33	ENSG00000107938	C10orf137	chr10	+	127427856	127428124	no
2990	4.07e-07	-2.25	ENSG00000107938	C10orf137	chr10	+	127432253	127432404	no
2990	4.07e-07	-3.94	ENSG00000107938	C10orf137	chr10	+	127441860	127442702	no
2991	4.11e-07	-2.37	ENSG00000185800	DMWD	chr19	-	50987414	50987866	no
2992	4.17e-07	-42.08	ENSG00000121005	CRISPLD1	chr8	+	76106981	76109346	no
2993	4.19e-07	-2.43	ENSG00000186522	10-Sep	chr2	-	109728664	109729072	no
2993	4.19e-07	-2.23	ENSG00000186522	10-Sep	chr2	-	109657669	109659190	no
2994	4.21e-07	-5.77	ENSG00000125247	TMTC4	chr13	-	100054189	100055397	no
2995	4.25e-07	-2.16	ENSG00000177707	PVRL3	chr3	+	112273555	112274047	no
2996	4.29e-07	-2.07	ENSG00000083544	TDRD3	chr13	+	60000502	60001352	no
2997	4.33e-07	-3.69	ENSG00000131100	ATP6V1E1	chr22	-	16454960	16455502	no
2998	4.39e-07	-2.35	ENSG00000172172	MRPL13	chr8	-	121526489	121526828	no
2999	4.45e-07	-2.26	ENSG00000117691	NENF	chr1	+	210672852	210673085	no
3000	4.45e-07	-5.59	ENSG00000090263	MRPS33	chr7	-	140352436	140352804	no
3001	4.45e-07	-4.31	ENSG00000164808	KIAA0146	chr8	+	48810422	48811026	no
3002	4.65e-07	-2.45	ENSG00000173226	IQCB1	chr3	-	122971300	122972111	no
3003	4.73e-07	-3.2	ENSG00000137522	RNF121	chr11	+	71384889	71386289	no
3004	4.74e-07	-8.88	ENSG00000145860	RNF145	chr5	-	158516997	158518621	no
3005	4.76e-07	-28.95	ENSG00000119640	ACYP1	chr14	-	74589683	74590115	no
3006	5.12e-07	-2.81	ENSG00000123268	ATF1	chr12	+	49499685	49500327	no
3007	5.16e-07	-11.38	ENSG00000162729	IGSF8	chr1	-	158327754	158328045	"yes,JnId_h_6136;JnId_h_6135"
3008	5.25e-07	-2.23	ENSG00000144591	GMPPA	chr2	+	220078424	220078727	"yes,JnId_h_49282;JnId_h_49284"
3009	5.3e-07	-2.78	ENSG00000165659	DACH1	chr13	-	70910099	70912825	no
3010	5.33e-07	-26.57	ENSG00000129235	TXNL5	chr17	+	6486995	6488644	no
3011	5.37e-07	-2.87	ENSG00000007944	MYLIP	chr6	+	16254872	16256455	no
3012	5.51e-07	-2.51	ENSG00000139263	LRIG3	chr12	-	57600048	57600529	no
3013	5.66e-07	-2.67	ENSG00000105173	CCNE1	chr19	+	35006402	35007056	no
3014	5.83e-07	-2.59	ENSG00000133028	SCO1	chr17	-	10524380	10525295	no
3015	5.95e-07	-2.06	ENSG00000196141	Q9NUQ6	chr2	+	201012090	201012296	no
3016	6.01e-07	-5.06	ENSG00000165533	TTC8	chr14	+	88413391	88414087	no
3017	6.1e-07	-3.45	ENSG00000198931	APRT	chr16	-	87403378	87403749	yes,JnId_h_32030
3018	6.14e-07	-3.34	ENSG00000001461	NPAL3	chr1	+	24668063	24672053	no
3019	6.18e-07	-3.81	ENSG00000122882	ECD	chr10	-	74563420	74564577	no
3020	6.22e-07	-2.51	ENSG00000072506	HSD17B10	chrX	-	53474931	53475267	no
3021	6.27e-07	-3.41	ENSG00000198586	TLK1	chr2	-	171725046	171725289	no
3021	6.27e-07	-4.79	ENSG00000198586	TLK1	chr2	-	171556816	171558712	no
3022	6.31e-07	-2.04	ENSG00000135677	GNS	chr12	-	63439132	63439479	no
3023	6.32e-07	-4.25	ENSG00000082781	ITGB5	chr3	-	126088468	126088842	no
3023	6.32e-07	-3.33	ENSG00000082781	ITGB5	chr3	-	125964488	125965255	no
3024	6.33e-07	-4.78	ENSG00000174738	NR1D2	chr3	+	23961810	23962089	no
3024	6.33e-07	-2.21	ENSG00000174738	NR1D2	chr3	+	23972532	23972620	no
3025	6.42e-07	-2.61	ENSG00000140521	POLG	chr15	-	87678908	87679030	yes,JnId_b_22012
3025	6.42e-07	-2.01	ENSG00000140521	POLG	chr15	-	87663166	87663334	no
3025	6.42e-07	-2.44	ENSG00000140521	POLG	chr15	-	87661611	87661771	no
3026	6.51e-07	-2.29	ENSG00000164904	ALDH7A1	chr5	-	125913787	125913884	no
3026	6.51e-07	-2.91	ENSG00000164904	ALDH7A1	chr5	-	125908348	125908610	no
3027	6.54e-07	-4.83	ENSG00000133216	EPHB2	chr1	+	23111524	23114405	yes,JnId_h_1377
3028	6.66e-07	-3.3	ENSG00000068912	C2orf30	chr2	+	53898539	53899437	no
3029	6.67e-07	-9.83	ENSG00000011114	BTBD7	chr14	-	92823729	92824806	yes,JnId_h_24993
3029	6.67e-07	-3.85	ENSG00000011114	BTBD7	chr14	-	92773649	92779187	no
3030	7.03e-07	-2.28	ENSG00000151465	CDC123	chr10	+	12332316	12332593	no
3031	7.12e-07	-2.53	ENSG00000123908	EIF2C2	chr8	-	141610447	141611433	no
3032	7.16e-07	-2.95	ENSG00000178950	GAK	chr4	-	915831	916161	no
3032	7.16e-07	-2.4	ENSG00000178950	GAK	chr4	-	877165	877277	no
3032	7.16e-07	-2.18	ENSG00000178950	GAK	chr4	-	872635	872758	no
3032	7.16e-07	-5.34	ENSG00000178950	GAK	chr4	-	835335	835762	no
3032	7.16e-07	-3.64	ENSG00000178950	GAK	chr4	-	833066	833562	no
3033	7.2e-07	-2.14	ENSG00000114480	GBE1	chr3	-	81893216	81894002	no
3033	7.2e-07	-2.79	ENSG00000114480	GBE1	chr3	-	81621542	81622304	no
3034	7.37e-07	-3.32	ENSG00000153395	AYTL2	chr5	-	1576825	1577076	no
3035	7.39e-07	-2.2	ENSG00000132604	TERF2	chr16	-	67976997	67977374	no
3035	7.39e-07	-3.59	ENSG00000132604	TERF2	chr16	-	67947036	67948460	no
3036	7.43e-07	-2.6	ENSG00000158417	EIF5B	chr2	+	99365675	99365816	yes,JnId_h_46958

3036	7.43e-07	-2.25	ENSG00000158417	EIF5B	chr2	+	99377162	99377293	no
3036	7.43e-07	-2.2	ENSG00000158417	EIF5B	chr2	+	99381643	99381804	no
3036	7.43e-07	-3.82	ENSG00000158417	EIF5B	chr2	+	99382202	99382673	no
3037	7.5e-07	-2.17	ENSG00000921108	SCFD1	chr14	+	30178734	30178821	yes,JnId_h_23283
3038	7.55e-07	-2.06	ENSG00000178026	C22orf36	chr22	-	23318184	23319040	"yes,JnId_h_53741;JnId_h_53742"
3039	7.57e-07	-5.82	ENSG00000102781	KATNAL1	chr13	-	29674767	29680875	no
3040	7.58e-07	-6.36	ENSG0000064225	ST3GAL6	chr3	+	99995209	99996784	no
3041	7.63e-07	-2.91	ENSG00000123739	PLA2G12A	chr4	-	110854140	110855100	no
3042	7.64e-07	-3.07	ENSG00000163755	HPS3	chr3	+	150372572	150373995	no
3043	7.74e-07	-5.48	ENSG0000039319	ZFYVE16	chr5	+	79808794	79810925	no
3044	7.75e-07	-4.47	ENSG00000172977	HTATIP	chr11	+	65236315	65236492	yes,JnId_h_14403
3044	7.75e-07	-2.71	ENSG00000172977	HTATIP	chr11	+	65237395	65237550	yes,JnId_h_14407
3044	7.75e-07	-2.92	ENSG00000180488	FAM73A	chr1	+	78113119	78116694	no
3046	7.77e-07	-2.92	ENSG00000172432	GTPBP2	chr6	-	43704692	43704914	no
3047	7.86e-07	-2.69	ENSG00000182518	FAM104B	chrX	-	55186260	55187033	no
3048	8.03e-07	-4.82	ENSG00000156298	TSPAN7	chrX	+	38305553	38305824	no
3048	8.03e-07	-2.12	ENSG00000156298	TSPAN7	chrX	+	38432137	38433118	no
3049	8.03e-07	-4.54	ENSG00000204394	VAR5	chr6	-	31871302	31871565	no
3049	8.03e-07	-2.16	ENSG00000204394	VAR5	chr6	-	31855181	31855292	no
3050	8.13e-07	-2.32	ENSG0000047230	CTPS2	chrX	-	16640766	16640980	no
3050	8.13e-07	-2.03	ENSG0000047230	CTPS2	chrX	-	16640379	16640696	yes,JnId_h_80536
3051	8.35e-07	-2.35	ENSG00000204221	WDR46	chr6	-	33364857	33365048	no
3051	8.35e-07	-2.96	ENSG00000204221	WDR46	chr6	-	33354860	33355129	no
3052	8.38e-07	-3.92	ENSG00000107957	SH3PXD2A	chr10	-	105343774	105353536	no
3053	8.41e-07	-3.06	ENSG00000104695	PPP2CB	chr8	-	30762683	30763365	no
3054	8.57e-07	-3.25	ENSG00000100567	PSMA3	chr14	+	57808322	57808475	no
3055	8.6e-07	-2	ENSG00000100141	PISD	chr22	-	30351749	30352002	"yes,JnId_h_54156;JnId_h_54158"
3055	8.6e-07	-2.55	ENSG00000100141	PISD	chr22	-	30349670	30349835	no
3056	8.63e-07	-2.95	ENSG00000071051	NCK2	chr2	+	105799319	105799502	no
3057	8.65e-07	-3.39	ENSG00000196586	MYO6	chr6	+	76515646	76515860	no
3057	8.65e-07	-2.09	ENSG00000196586	MYO6	chr6	+	76653281	76653431	no
3057	8.65e-07	-3.45	ENSG00000196586	MYO6	chr6	+	76681250	76683049	no
3058	8.66e-07	-5.48	ENSG00000171316	CHD7	chr8	+	61753893	61754195	no
3058	8.66e-07	-2	ENSG00000171316	CHD7	chr8	+	61870099	61870240	no
3058	8.66e-07	-4.63	ENSG00000171316	CHD7	chr8	+	61897616	61897859	no
3058	8.66e-07	-4.86	ENSG00000171316	CHD7	chr8	+	61905435	61905690	no
3058	8.66e-07	-2.85	ENSG00000171316	CHD7	chr8	+	61912781	61912948	no
3058	8.66e-07	-3.97	ENSG00000171316	CHD7	chr8	+	61940129	61942017	no
3059	8.66e-07	-3.11	ENSG00000167693	NXN	chr17	-	829309	829760	no
3060	8.86e-07	-2.18	ENSG00000086189	DIMT1L	chr5	-	61720108	61720636	no
3061	8.92e-07	-2.65	ENSG00000104866	Q8IWK3	chr19	+	50341669	50342377	no
3062	8.95e-07	-3.63	ENSG00000065060	C6orf107	chr6	+	34909972	34910161	no
3062	8.95e-07	-3.68	ENSG00000065060	C6orf107	chr6	+	34948068	34953269	yes,JnId_b_54544
3063	9.04e-07	-2.55	ENSG00000011523	CEP68	chr2	+	65164277	65167618	no
3064	9.19e-07	-2.21	ENSG00000011260	UTP18	chr17	+	46720389	46720563	yes,JnId_h_36015
3064	9.19e-07	-3.68	ENSG00000011260	UTP18	chr17	+	46726263	46726405	yes,JnId_h_36020
3065	9.35e-07	-2.27	ENSG00000134897	BIVM	chr13	+	102249400	102249872	no
3065	9.35e-07	-5.33	ENSG00000134897	BIVM	chr13	+	102270738	102271483	no
3066	9.5e-07	-2.23	ENSG0000009950	MLXIPL	chr7	-	72645460	72646669	yes,JnId_h_72021
3067	9.72e-07	-3.36	ENSG00000162337	LRP5	chr11	+	67871891	67872287	no
3067	9.72e-07	-6.5	ENSG00000162337	LRP5	chr11	+	67972853	67973301	no
3068	9.74e-07	-2.56	ENSG00000073614	JARID1A	chr12	-	263249	265089	no
3069	9.75e-07	-2.66	ENSG00000143379	SETDB1	chr1	+	149203347	149203837	yes,JnId_h_5275
3070	1.00E-06	-2.55	ENSG00000151726	ACSL1	chr4	-	185913744	185915413	no
3071	1.02e-06	-2.97	ENSG00000108469	RECQL5	chr17	-	71135893	71136117	no
3071	1.02e-06	-2.78	ENSG00000108469	RECQL5	chr17	-	71134530	71135197	no
3072	1.04e-06	-5.78	ENSG00000104976	SNAPC2	chr19	+	7891211	7891434	no
3072	1.04e-06	-6.58	ENSG00000104976	SNAPC2	chr19	+	7893330	7894134	no
3073	1.06e-06	-6.01	ENSG00000077454	LRCH4	chr7	-	100021440	100021712	no
3073	1.06e-06	-2.4	ENSG00000077454	LRCH4	chr7	-	100014209	100014345	no
3073	1.06e-06	-3.27	ENSG00000077454	LRCH4	chr7	-	100013958	100014070	no
3073	1.06e-06	-4.2	ENSG00000077454	LRCH4	chr7	-	100010219	100010863	no
3074	1.06e-06	-2.36	ENSG00000150403	TMCO3	chr13	+	113251741	113252545	no
3075	1.07e-06	-2.99	ENSG00000111726	CMAS	chr12	+	22109322	22109869	no

3076	1.07e-06	-7.58	ENSG00000137992	DBT	chr1	-	100432324	100434566	no	
3077	1.09e-06	-3.71	ENSG00000140181	HERC2P2	chr15	-	20833729	20834586	no	
3078	1.09e-06	-3.65	ENSG00000153147	SMARCA5	chr4	+	144693722	144694016	yes	JnId_b_50243
3079	1.09e-06	-3.2	ENSG00000172273	MIZF	chr11	+	118510004	118510974	yes	JnId_h_16197
3080	1.12e-06	-4.21	ENSG00000167930	ITFG3	chr16	+	239549	239654	no	
3080	1.12e-06	-4.17	ENSG00000167930	ITFG3	chr16	+	255509	255600	no	
3081	1.12e-06	-2.72	ENSG00000148516	ZEB1	chr10	+	31855606	31858748	no	
3082	1.13e-06	-2.41	ENSG00000161036	Q8WV43	chr7	+	101892385	101892612	no	
3083	1.13e-06	-2.4	ENSG00000196663	KIAA0329	chr14	+	102034193	102038562	no	
3084	1.15e-06	-5.29	ENSG00000101464	PIGU	chr20	-	32728421	32728750	no	
3084	1.15e-06	-2.32	ENSG00000101464	PIGU	chr20	-	32612007	32612444	no	
3085	1.18e-06	-2.36	ENSG00000037897	METTL1	chr12	-	56448523	56449201	no	
3086	1.18e-06	-6.57	ENSG00000129933	KIAA0892	chr19	+	19292644	19292944	no	
3086	1.18e-06	-2.2	ENSG00000129933	KIAA0892	chr19	+	19307931	19307996	no	
3086	1.18e-06	-2.8	ENSG00000129933	KIAA0892	chr19	+	19313061	19313216	no	
3087	1.20e-06	-3.26	ENSG00000156521	TYSND1	chr10	-	71567743	71569903	no	
3088	1.22e-06	-2.49	ENSG00000107036	KIAA1432	chr9	+	5619120	5619453	no	
3088	1.22e-06	-2.09	ENSG00000107036	KIAA1432	chr9	+	5758970	5759454	no	
3088	1.22e-06	-2.43	ENSG00000107036	KIAA1432	chr9	+	5763958	5766555	no	
3089	1.22e-06	-3.15	ENSG00000108061	SHOC2	chr10	+	112761358	112763415	no	
3090	1.23e-06	-2.22	ENSG00000003509	Q7L592	chr2	+	37328782	37329807	no	
3091	1.23e-06	-3.72	ENSG00000164961	KIAA0196	chr8	-	126173039	126173191	no	
3091	1.23e-06	-3.37	ENSG00000164961	KIAA0196	chr8	-	126165137	126165446	yes	JnId_h_76305
3091	1.23e-06	-2.33	ENSG00000164961	KIAA0196	chr8	-	126156422	126156535	no	
3091	1.23e-06	-2.13	ENSG00000164961	KIAA0196	chr8	-	126138980	126139090	no	
3091	1.23e-06	-6.57	ENSG00000164961	KIAA0196	chr8	-	126113665	126113818	no	
3092	1.24e-06	-3.42	ENSG00000121211	MND1	chr4	+	154555353	154555693	no	
3093	1.24e-06	-2.18	ENSG00000197056	ZMYM1	chr1	+	35351165	35354047	no	
3094	1.25e-06	-14.17	ENSG00000133302	ANKRD32	chr5	+	94056292	94059082	no	
3095	1.26e-06	-4.12	ENSG00000165733	BMS1	chr10	+	42599816	42600024	no	
3095	1.26e-06	-3.51	ENSG00000165733	BMS1	chr10	+	42607947	42608068	no	
3095	1.26e-06	-3.32	ENSG00000165733	BMS1	chr10	+	42612876	42612977	no	
3095	1.26e-06	-2.11	ENSG00000165733	BMS1	chr10	+	42639063	42639238	no	
3095	1.26e-06	-14.57	ENSG00000165733	BMS1	chr10	+	42646320	42646862	no	
3096	1.27e-06	-2.42	ENSG00000184677	ZBTB40	chr1	+	22725282	22730234	no	
3097	1.29e-06	-2.37	ENSG00000113643	RARS	chr5	+	167878664	167878885	no	
3098	1.29e-06	-15.66	ENSG00000127314	RAP1B	chr12	+	67339327	67340641	no	
3099	1.3e-06	-5.53	ENSG00000170921	TANC2	chr17	+	58820401	58822850	no	
3100	1.33e-06	-5.08	ENSG00000089048	ESF1	chr20	-	13642969	13643814	no	
3101	1.34e-06	-4.21	ENSG00000131966	ACTR10	chr14	+	57770841	57771273	no	
3102	1.35e-06	-2.7	ENSG00000148606	POLR3A	chr10	-	79404913	79407390	no	
3102	1.35e-06	-3.48	ENSG00000144677	CTDSPL	chr3	+	37878454	37878773	no	
3102	1.35e-06	-7.52	ENSG00000050820	BCAR1	chr16	-	73820430	73821422	no	
3105	1.36e-06	-3.73	ENSG00000065268	WDR18	chr19	+	945212	945569	no	
3106	1.39e-06	-2.09	ENSG00000139324	TMTC3	chr12	+	87112746	87116936	no	
3107	1.42e-06	-2.01	ENSG00000071462	WBSCR22	chr7	+	72743182	72743278	no	
3107	1.42e-06	-2.19	ENSG00000071462	WBSCR22	chr7	+	72746258	72746316	no	
3107	1.42e-06	-7.34	ENSG00000071462	WBSCR22	chr7	+	72750098	72750477	no	
3108	1.43e-06	-6.16	ENSG00000148835	TAF5	chr10	+	105137753	105138812	no	
3109	1.44e-06	-2.55	ENSG00000182973	CNOT10	chr3	+	32789953	32790358	no	
3110	1.5e-06	-2.51	ENSG00000144711	IQSEC1	chr3	-	12958071	12958365	no	
3110	1.5e-06	-4.2	ENSG00000144711	IQSEC1	chr3	-	12914374	12915933	no	
3111	1.52e-06	-2.07	ENSG00000162521	RBBP4	chr1	+	32889336	32889510	no	
3112	1.54e-06	-3.62	ENSG00000170037	CNTROB	chr17	+	7792530	7792728	yes	JnId_h_33255
3113	1.57e-06	-2.34	ENSG00000196236	XPNPEP3	chr22	+	39655354	39658766	no	
3114	1.57e-06	-2.67	ENSG00000102109	PCSK1N	chrX	-	48578765	48578984	no	
3115	1.6e-06	-2.96	ENSG00000165406	MARCH8	chr10	-	45278605	45279339	yes	JnId_h_9472
3116	1.60e-06	-3.14	ENSG00000171453	POLR1C	chr6	+	43595049	43595290	no	
3116	1.60e-06	-3.66	ENSG00000171453	POLR1C	chr6	+	43596648	43597222	yes	JnId_h_68512
3117	1.61e-06	-3.03	ENSG00000125124	BBS2	chr16	-	55075801	55076280	no	
3118	1.62e-06	-3.06	ENSG00000136895	GARNL3	chr9	+	129159319	129159477	no	
3119	1.63e-06	-5.31	ENSG00000121653	MAPK8IP1	chr11	+	45883776	45884591	no	
3120	1.66e-06	-6.4	ENSG00000204642	HLA-F	chr6	+	29799929	29800204	no	
3121	1.67e-06	-3.55	ENSG00000101974	ATP11C	chrX	-	138841841	138842895	yes	JnId_h_82779

3122	1.67e-06	-2.04	ENSG00000066583	ISOC1	chr5	+	128476447	128477612	no	
3123	1.67e-06	-3.75	ENSG00000151748	SAV1	chr14	-	50170834	50171852	no	
3124	1.69e-06	-7.43	ENSG00000151332	MBIP	chr14	-	35837522	35838147	yes,JnId_h_23470	
3125	1.70e-06	-3.14	ENSG00000114978	MOBK1B	chr2	-	74235495	74237280	no	
3126	1.73e-06	-2.37	ENSG00000132199	ENOSF1	chr18	-	663900 664406	no		
3127	1.82e-06	-4.09	ENSG00000064999	ANKS1A	chr6	+	34965019	34965354	no	
3127	1.82e-06	-2.56	ENSG00000064999	ANKS1A	chr6	+	35070057	35070177	no	
3127	1.82e-06	-2.26	ENSG00000064999	ANKS1A	chr6	+	35164361	35167166	no	
3128	1.82e-06	-2.59	ENSG00000169016	E2F6	chr2	-	11501952	11504100	no	
3129	1.83e-06	-2.34	ENSG00000106554	CHCHD3	chr7	-	132417157	132417390	no	
3129	1.83e-06	-4.82	ENSG00000106554	CHCHD3	chr7	-	132120170	132120961	no	
3129	1.83e-06	-12.02	ENSG00000118402	ELOVL4	chr6	-	80681248	80683319	no	
3131	1.85e-06	-5.68	ENSG00000153786	ZDHHC7	chr16	-	83602393	83602642	no	
3132	1.85e-06	-3.6	ENSG00000187051	RPS19BP1	chr22	-	38258638	38258806	no	
3133	1.87e-06	-3.99	ENSG00000174106	LEMD3	chr12	+	63926209	63928374	no	
3134	1.88e-06	-4.67	ENSG00000179364	PACS2	chr14	+	104852126	104852419	no	
3134	1.88e-06	-2.09	ENSG00000179364	PACS2	chr14	+	104920189	104920295	no	
3135	1.89e-06	-2.11	ENSG00000083838	ZNF446	chr19	+	63683355	63684403	no	
3136	1.9e-06	-3.95	ENSG00000105053	VRK3	chr19	-	55187929	55188021	no	
3136	1.9e-06	-3.19	ENSG00000105053	VRK3	chr19	-	55174152	55174311	no	
3136	1.9e-06	-12.12	ENSG00000105053	VRK3	chr19	-	55171538	55171853	no	
3137	1.91e-06	-2.06	ENSG00000100372	SLC25A17	chr22	-	39495587	39496931	no	
3138	1.93e-06	-4.48	ENSG00000177963	RIC8A	chr11	+	198530 198938	no		
3139	2.02e-06	-4.15	ENSG00000105613	MAST1	chr19	+	12845423	12846765	no	
3140	2.02e-06	-14.79	ENSG00000128578	FAM40B	chr7	+	128912656	128915473	no	
3141	2.04e-06	-2.7	ENSG00000111229	ARPC3	chr12	-	109362500	109362576	no	
3141	2.04e-06	-3.71	ENSG00000111229	ARPC3	chr12	-	109357090	109357405	no	
3142	2.06e-06	-4.79	ENSG00000164305	CASP3	chr4	-	185785845	185787649	no	
3143	2.07e-06	-3.53	ENSG00000091127	PUS7	chr7	-	104884194	104885609	no	
3144	2.09e-06	-2.73	ENSG00000185024	BRF1	chr14	-	104837828	104838374	yes,JnId_h_25512	
3145	2.12e-06	-2.3	ENSG00000039560	RAI14	chr5	+	34866550	34868473	no	
3146	2.13e-06	-4.28	ENSG00000126107	HECTD3	chr1	-	45249148	45249588	no	
3146	2.13e-06	-2.77	ENSG00000126107	HECTD3	chr1	-	45246499	45246960	"yes,JnId_h_2916;JnId_h_2927"	
3147	2.14e-06	-4.64	ENSG00000087074	PPP1R15A	chr19	+	54070683	54071126	no	
3148	2.14e-06	-2.86	ENSG00000106290	TAF6	chr7	-	99554763	99554915	"yes,JnId_b_58215;JnId_b_58216"	
3149	2.20e-06	-2.09	ENSG00000156990	RPUSD3	chr3	-	9858883 9858927	yes,JnId_h_55547		
3149	2.20e-06	-2.53	ENSG00000156990	RPUSD3	chr3	-	9854533 9854891	yes,JnId_b_44693		
3150	2.31e-06	-4.04	ENSG00000104823	ECH1	chr19	-	43999545	43999609	no	
3151	2.35e-06	-2.06	ENSG00000184368	MAP7D2	chrX	-	19944133	19944364	no	
3151	2.35e-06	-2.98	ENSG00000184368	MAP7D2	chrX	-	19934752	19936437	no	
3152	2.45e-06	-2.03	ENSG00000099822	HCN2	chr19	+	566795 568157	no		
3153	2.48e-06	-2.04	ENSG00000136830	FAM129B	chr9	-	129370920	129371188	no	
3153	2.48e-06	-2.16	ENSG00000136830	FAM129B	chr9	-	129307439	129309531	no	
3154	2.54e-06	-2.89	ENSG00000157881	PANK4	chr1	-	2429832 2430359	no		
3155	2.54e-06	-5.98	ENSG00000188130	MAPK12	chr22	-	49041941	49042312	no	
3155	2.54e-06	-4.77	ENSG00000188130	MAPK12	chr22	-	49033484	49034036	no	
3156	2.54e-06	-3.31	ENSG00000108094	CUL2	chr10	-	35419113	35419300	yes,JnId_h_9393	
3156	2.54e-06	-6.06	ENSG00000108094	CUL2	chr10	-	35337485	35339376	no	
3157	2.55e-06	-2.87	ENSG00000204991	SPIRE2	chr16	+	88463959	88465228	no	
3158	2.58e-06	-6.71	ENSG00000186193	C9orf140	chr9	-	139084163	139084805	no	
3159	2.6e-06	-6.65	ENSG00000112473	SLC39A7	chr6	+	33276631 33277411	yes,JnId_h_67844		
3160	2.61e-06	-2.17	ENSG00000118007	STAG1	chr3	-	137953727	137953935	no	
3160	2.61e-06	-3.3	ENSG00000118007	STAG1	chr3	-	137537766	137539809	no	
3161	2.63e-06	-2.06	ENSG00000101413	C20orf77	chr20	+	36151542	36154632	no	
3162	2.69e-06	-2.27	ENSG00000136861	CDK5RAP2	chr9	-	122382019	122382258	no	
3162	2.69e-06	-2.17	ENSG00000136861	CDK5RAP2	chr9	-	122217139	122217258	yes,JnId_b_63147	
3162	2.69e-06	-2.07	ENSG00000136861	CDK5RAP2	chr9	-	122213457	122213573	yes,JnId_b_63147	
3162	2.69e-06	-6.51	ENSG00000136861	CDK5RAP2	chr9	-	122190968	122191391	no	
3163	2.76e-06	-4.17	ENSG00000182134	TDRKH	chr1	-	150029910	150030516	no	
3163	2.76e-06	-2.16	ENSG00000182134	TDRKH	chr1	-	150012579	150013604	no	
3164	2.81e-06	-2.87	ENSG00000106025	TSPAN12	chr7	-	120285110	120285413	no	
3164	2.81e-06	-4.15	ENSG00000106025	TSPAN12	chr7	-	120214612	120216187	no	
3165	2.83e-06	-3.32	ENSG00000084207	GSTP1	chr11	+	67108171	67108216	"yes,JnId_b_11423;JnId_b_11424"	
3166	2.83e-06	-2.24	ENSG00000186908	ZDHHC17	chr12	+	75768758	75771605	no	

3167	2.86e-06	-2.13	ENSG00000141295	SCRN2	chr17	-	43270057	43270815	no	
3168	2.86e-06	-2.21	ENSG00000000460	Clorf112	chr1	+	168043556	168043694	no	
3168	2.86e-06	-10.37	ENSG00000000460	Clorf112	chr1	+	168088555	168089845	no	
3169	2.9e-06	-6.96	ENSG00000130881	LRP3	chr19	+	38377364	38377604	no	
3170	2.93e-06	-4.68	ENSG00000082996	RNF13	chr3	+	151013194	151013830	"yes,JnId_b_47463;JnId_b_47464"	
3171	2.98e-06	-4.78	ENSG00000107186	MPDZ	chr9	-	13109501	13110649	no	
3171	2.98e-06	-2.25	ENSG00000107186	MPDZ	chr9	-	13095703	13097110	no	
3172	2.99e-06	-2.54	ENSG00000066279	ASPM	chr1	-	195328805	195329014	no	
3172	2.99e-06	-5.27	ENSG00000066279	ASPM	chr1	-	195325949	195326141	no	
3173	3.00e-06	-3.01	ENSG00000164332	UBLCP1	chr5	+	158644490	158645618	no	
3174	3.03e-06	-2.05	ENSG00000186432	KPNA4	chr3	-	161765696	161766070	no	
3175	3.03e-06	-2.01	ENSG00000139546	TARBP2	chr12	+	52180972	52181512	no	
3176	3.1e-06	-11.17	ENSG00000137404	NRM	chr6	-	30766598	30767037	no	
3177	3.12e-06	-6.79	ENSG00000078872	NFS1	chr20	-	33720024	33721021	no	
3178	3.16e-06	-3.61	ENSG00000198964	SGMS1	chr10	-	51735352	51737087	no	
3179	3.19e-06	-61.58	ENSG00000183060	LYSMD4	chr15	-	98073429	98075550	no	
3180	3.20e-06	-2.75	ENSG00000198056	PRIM1	chr12	-	55423048	55423147	no	
3180	3.20e-06	-6.9	ENSG00000198056	PRIM1	chr12	-	55411647	55411785	no	
3181	3.20e-06	-2.42	ENSG00000170832	USP32	chr17	-	55824025	55824368	no	
3182	3.37e-06	-2.27	ENSG00000125447	GGA3	chr17	-	70744290	70746065	no	
3183	3.42e-06	-2.22	ENSG00000164292	RHOBTB3	chr5	+	95154519	95157827	no	
3184	3.44e-06	-2.81	ENSG00000198909	MAP3K3	chr17	+	59053533	59053855	no	
3185	3.56e-06	-8.31	ENSG00000147364	FBXO25	chr8	+	408715	409890	no	
3186	3.57e-06	-4.17	ENSG00000196497	IPO4	chr14	-	23727765	23727833	no	
3186	3.57e-06	-2.67	ENSG00000196497	IPO4	chr14	-	23721838	23721888	no	
3186	3.57e-06	-2.7	ENSG00000196497	IPO4	chr14	-	23719488	23719618	no	
3187	3.57e-06	-5.03	ENSG00000158106	RHPN1	chr8	+	144535749	144537532	no	
3188	3.68e-06	-4	ENSG00000179295	PTPN11	chr12	+	111340919	111341312	no	
3189	3.69e-06	-2.16	ENSG00000132589	FLOT2	chr17	-	24233262	24233381	no	
3189	3.69e-06	-2.76	ENSG00000132589	FLOT2	chr17	-	24230484	24231743	no	
3190	3.71e-06	-3.24	ENSG00000172375	TMEM24	chr11	+	118490000	118490285	no	
3190	3.71e-06	-4.43	ENSG00000172375	TMEM24	chr11	+	118491965	118493036	no	
3191	3.73e-06	-2.1	ENSG00000158201	ABHD3	chr18	-	17484856	17485722	no	
3192	3.73e-06	-2.48	ENSG00000175137	SH3BP5L	chr1	-	247071273	247073192	no	
3193	3.85e-06	-4.29	ENSG00000132773	TOE1	chr1	+	45577929	45578563	no	
3194	3.9e-06	-2.81	ENSG00000072121	ZFYVE26	chr14	-	67352240	67352516	no	
3194	3.9e-06	-2.49	ENSG00000072121	ZFYVE26	chr14	-	67282991	67285109	no	
3195	3.9e-06	-2.05	ENSG00000196547	MAN2A2	chr15	+	89263869	89265435	no	
3196	3.91e-06	-2.57	ENSG00000146386	C6orf115	chr6	+	139396985	139397406	no	
3197	3.91e-06	-6.93	ENSG00000156136	DCK	chr4	+	72113933	72115477	no	
3198	3.94e-06	-2.19	ENSG00000198915	RASGEF1A	chr10	-	43009989	43011722	no	
3199	3.96e-06	-2.43	ENSG00000105655	Q6NXT5	chr19	-	18409670	18409798	no	
3200	4.01e-06	-3.72	ENSG00000185513	L3MBTL	chr20	+	41593023	41594978	no	
3200	4.01e-06	-4.14	ENSG00000185513	L3MBTL	chr20	+	41602807	41603949	no	
3201	4.04e-06	-2.3	ENSG00000083535	C13orf24	chr13	+	72470961	72471134	no	
3202	4.04e-06	-9.03	ENSG00000150625	GPM6A	chr4	-	176791083	176793202	no	
3203	4.09e-06	-8.17	ENSG00000130717	UCK1	chr9	-	133396275	133396476	no	
3203	4.09e-06	-5.02	ENSG00000130717	UCK1	chr9	-	133389009	133390429	no	
3204	4.12e-06	-2.13	ENSG00000116991	SIPAL1L2	chr1	-	230600334	230601642	no	
3205	4.22e-06	-2.22	ENSG00000109572	CLCN3	chr4	+	170877633	170878731	yes,JnId_h_63087	
3206	4.23e-06	-2.49	ENSG00000127527	EPS15L1	chr19	-	16413703	16413792	no	
3206	4.23e-06	-3.36	ENSG00000127527	EPS15L1	chr19	-	16333408	16333795	no	
3207	4.25e-06	-3.96	ENSG00000161267	BDH1	chr3	-	198721051	198723632	no	
3208	4.26e-06	-7.48	ENSG00000148803	C10orf125	chr10	-	135018654	135018999	no	
3209	4.29e-06	-2.27	ENSG00000198720	ANKRD13B	chr17	+	24965407	24965904	no	
3210	4.34e-06	-5.89	ENSG00000169019	COMMD8	chr4	-	47147570	47148439	no	
3211	4.40e-06	-27.99	ENSG00000163463	KRTCAP2	chr1	-	153412321	153412437	no	
3212	4.46e-06	-2.18	ENSG00000127948	POR	chr7	+	75421243	75421434	no	
3212	4.46e-06	-2.96	ENSG00000127948	POR	chr7	+	75453591	75454108	no	
3213	4.49e-06	-5.07	ENSG00000118058	MLL	chr11	+	117812415	117812869	no	
3213	4.49e-06	-2.52	ENSG00000118058	MLL	chr11	+	117847587	117850240	no	
3213	4.49e-06	-2.06	ENSG00000118058	MLL	chr11	+	117874295	117874453	no	
3214	4.49e-06	-2.43	ENSG00000120616	EPC1	chr10	-	32596694	32598069	no	
3215	4.5e-06	-4.62	ENSG00000160445	ZER1	chr9	-	130573681	130574019	yes,JnId_b_63713	

3216	4.52e-06	-2.61	ENSG00000075391	RASAL2	chr1	+	176708833	176714608	no
3217	4.56e-06	-13.08	ENSG00000140545	MFGE8	chr15	-	87257482	87257646	no
3217	4.56e-06	-5.41	ENSG00000140545	MFGE8	chr15	-	87242949	87243767	yes,JnId_h_27821
3218	4.56e-06	-2.3	ENSG00000196923	PDLIM7	chr5	-	176856024	176856130	no
3218	4.56e-06	-3.69	ENSG00000196923	PDLIM7	chr5	-	176849853	176850200	yes,JnId_h_66518
3219	4.64e-06	-4.16	ENSG00000138468	SENP7	chr3	-	102567964	102568303	no
3219	4.64e-06	-7.71	ENSG00000138468	SENP7	chr3	-	102525807	102527614	no
3220	4.77e-06	-5.54	ENSG00000119711	ALDH6A1	chr14	-	73603161	73603342	no
3220	4.77e-06	-6.79	ENSG00000119711	ALDH6A1	chr14	-	73596644	73597202	no
3221	4.79e-06	-2.05	ENSG00000169251	NMD3	chr3	+	162438595	162438673	no
3221	4.79e-06	-4.38	ENSG00000169251	NMD3	chr3	+	162451262	162452489	no
3222	4.87e-06	-3.68	ENSG00000162408	NOL9	chr1	-	6503994	6508650	no
3223	4.89e-06	-2.58	ENSG00000174606	ANGEL2	chr1	-	211232147	211235157	no
3224	4.95e-06	-3.3	ENSG00000084072	PPIE	chr1	+	39991546	39991965	no
3225	4.98e-06	-2.55	ENSG00000104368	PLAT	chr8	-	42184169	42184351	no
3226	5.02e-06	-12.39	ENSG00000173653	RCE1	chr11	+	66367459	66367687	no
3226	5.02e-06	-4.41	ENSG00000173653	RCE1	chr11	+	66368333	66368411	no
3226	5.02e-06	-3.96	ENSG00000173653	RCE1	chr11	+	66369907	66370593	yes,JnId_h_14668
3227	5.09e-06	-2.75	ENSG00000138640	FAM13A1	chr4	-	89866129	89868833	no
3228	5.1e-06	-3.9	ENSG00000116212	LRRC42	chr1	+	54184338	54184810	yes,JnId_h_3404
3228	5.1e-06	-4.34	ENSG00000116212	LRRC42	chr1	+	54205926	54206429	no
3229	5.15e-06	-2.52	ENSG00000156876	SASS6	chr1	-	100321707	100323578	no
3230	5.16e-06	-2.45	ENSG00000197037	ZNF498	chr7	+	99064750	99067966	no
3231	5.18e-06	-2.71	ENSG00000130227	XPO7	chr8	+	21833128	21833245	no
3231	5.18e-06	-2.19	ENSG00000130227	XPO7	chr8	+	21895188	21895334	yes,JnId_b_59720
3231	5.18e-06	-2.71	ENSG00000130227	XPO7	chr8	+	21902460	21902531	yes,JnId_h_74568
3232	5.18e-06	-9.07	ENSG00000051180	RAD51	chr15	+	38810545	38811646	no
3233	5.3e-06	-3.64	ENSG00000182568	SATB1	chr3	-	18440123	18441069	no
3234	5.31e-06	-3.78	ENSG00000179912	R3HDM2	chr12	-	56110770	56111055	no
3235	5.32e-06	-3.56	ENSG00000115239	ASB3	chr2	-	53750622	53751331	no
3236	5.34e-06	-3.67	ENSG00000163932	PRKCD	chr3	+	53170263	53170484	"yes,JnId_h_57745;JnId_h_57746"
3236	5.34e-06	-2.31	ENSG00000163932	PRKCD	chr3	+	53198929	53199057	yes,JnId_h_57762
3236	5.34e-06	-3.04	ENSG00000163932	PRKCD	chr3	+	53201164	53201771	no
3237	5.34e-06	-3.14	ENSG00000204523	HLA-B	chr6	-	31432842	31433001	no
3237	5.34e-06	-3.6	ENSG00000204523	HLA-B	chr6	-	31429622	31430052	no
3238	5.44e-06	-2.32	ENSG00000065485	PDIA5	chr3	+	124268607	124268743	no
3239	5.44e-06	-2.28	ENSG00000074935	TUBE1	chr6	-	112507296	112507650	no
3239	5.44e-06	-4.27	ENSG00000074935	TUBE1	chr6	-	112498673	112499466	no
3240	5.5e-06	-2.19	ENSG00000106993	CDC37L1	chr9	+	4696011	4698398	no
3241	5.85e-06	-2.72	ENSG00000134690	CDCA8	chr1	+	37946581	37947978	no
3242	5.89e-06	-2.28	ENSG00000116761	CTH	chr1	+	70677372	70677841	no
3243	5.89e-06	-3.65	ENSG00000120690	ELF1	chr13	-	40404168	40406164	no
3244	5.96e-06	-2.25	ENSG00000095397	DFNB31	chr9	-	116227089	116228172	no
3245	5.99e-06	-7.21	ENSG00000100997	ABHD12	chr20	-	25319149	25319612	no
3246	6.00E-06	-3.11	ENSG00000196155	PLEKHG4	chr16	+	65880207	65880883	no
3247	6.02e-06	-2.57	ENSG00000150712	MTMR12	chr5	-	32262872	32266210	no
3248	6.04e-06	-5.44	ENSG00000108264	TADA2L	chr17	+	32911015	32911337	no
3249	6.06e-06	-2.17	ENSG00000135451	TROAP	chr12	+	48007259	48007380	no
3249	6.06e-06	-2.35	ENSG00000135451	TROAP	chr12	+	48011264	48011457	no
3249	6.06e-06	-4.84	ENSG00000135451	TROAP	chr12	+	48011623	48011781	no
3250	6.07e-06	-2.11	ENSG00000044090	CUL7	chr6	-	43116631	43116791	no
3251	6.14e-06	-3.6	ENSG00000132792	CTNBL1	chr20	+	35808284	35808463	no
3251	6.14e-06	-2.1	ENSG00000132792	CTNBL1	chr20	+	35839089	35839233	no
3252	6.17e-06	-2.38	ENSG00000183856	IQGAP3	chr1	-	154808909	154809020	no
3252	6.17e-06	-2.41	ENSG00000183856	IQGAP3	chr1	-	154805792	154805879	yes,JnId_h_6048
3253	6.22e-06	-2.43	ENSG00000134330	Q05D21	chr2	+	9545727	9547305	no
3254	6.3e-06	-3.42	ENSG00000183624	C3orf37	chr3	+	130506122	130506823	no
3255	6.33e-06	-2.16	ENSG00000163811	WDR43	chr2	+	28978357	28978494	yes,JnId_h_45043
3256	6.37e-06	-3.99	ENSG00000006576	PHTF2	chr7	+	77422111	77424477	no
3257	6.4e-06	-2.1	ENSG00000138760	SCARB2	chr4	-	77298918	77301928	yes,JnId_h_61743
3258	6.48e-06	-3.98	ENSG00000153885	KCTD15	chr19	+	38979607	38979732	no
3259	6.5e-06	-2.27	ENSG00000135919	SERPINE2	chr2	-	224548123	224548865	no
3260	6.5e-06	-5.77	ENSG00000128294	TPST2	chr22	-	25251712	25252233	no
3261	6.63e-06	-3.37	ENSG00000109787	KLF3	chr4	+	38375098	38379058	no

3262	6.71e-06	-2.86	ENSG00000070761	C16orf80	chr16	-	56705000	56705435	no
3263	6.73e-06	-2.68	ENSG00000084652	TXLNA	chr1	+	32418253	32418702	no
3264	6.86e-06	-2.9	ENSG00000150990	DHX37	chr12	-	124039416	124039620	no
3264	6.86e-06	-2.37	ENSG00000150990	DHX37	chr12	-	123997326	123998386	no
3265	6.91e-06	-2.06	ENSG0000013275	PSMC4	chr19	+	45168913	45168985	no
3265	6.91e-06	-2.14	ENSG0000013275	PSMC4	chr19	+	45178033	45178201	no
3265	6.91e-06	-4.64	ENSG0000013275	PSMC4	chr19	+	45178939	45179191	no
3266	6.95e-06	-3.21	ENSG00000168259	DNAJC7	chr17	-	37389107	37389180	no
3267	7.00E-06	-2.66	ENSG00000163602	RYBP	chr3	-	72506448	72510478	no
3268	7.05e-06	-3.09	ENSG00000085978	ATG16L1	chr2	+	233825039	233825327	no
3268	7.05e-06	-6.16	ENSG00000085978	ATG16L1	chr2	+	233838277	233838528	no
3268	7.05e-06	-3.87	ENSG00000085978	ATG16L1	chr2	+	233867642	233869051	no
3269	7.11e-06	-4.55	ENSG00000146409	C6orf192	chr6	-	133132200	133133168	no
3270	7.26e-06	-2.26	ENSG00000167900	TK1	chr17	-	73681776	73682626	yes,JnId_b_29560
3271	7.31e-06	-2.71	ENSG00000128654	MTX2	chr2	+	176910467	176910997	no
3272	7.37e-06	-2.1	ENSG00000141720	PIP5K2B	chr17	-	34209045	34209684	no
3273	7.47e-06	-4.12	ENSG00000159348	CYB5R1	chr1	-	201197620	201198450	no
3274	7.5e-06	-4.67	ENSG00000118900	UBN1	chr16	+	4849027	4849161	no
3274	7.5e-06	-4.67	ENSG00000118900	UBN1	chr16	+	4870085	4872364	no
3275	7.52e-06	-2.05	ENSG00000107331	ABCA2	chr9	-	139024042	139024176	no
3275	7.52e-06	-3.95	ENSG00000107331	ABCA2	chr9	-	139021507	139022237	no
3276	7.53e-06	-2.97	ENSG00000147507	LYN	chr8	+	56954926	56955216	no
3276	7.53e-06	-2.2	ENSG00000147507	LYN	chr8	+	57085021	57086493	no
3277	7.58e-06	-2.81	ENSG00000108591	DRG2	chr17	+	17951193	17952017	no
3278	7.59e-06	-5.37	ENSG00000175782	SLC35E3	chr12	+	67444751	67446120	no
3279	7.66e-06	-3.39	ENSG00000165304	MELK	chr9	+	36571641	36571736	yes,JnId_h_77652
3279	7.66e-06	-2.09	ENSG00000165304	MELK	chr9	+	36660995	36661163	no
3279	7.66e-06	-5.74	ENSG00000165304	MELK	chr9	+	36667157	36667678	no
3280	7.68e-06	-2.56	ENSG00000112186	CAP2	chr6	+	17622059	17622164	no
3280	7.68e-06	-5.96	ENSG00000112186	CAP2	chr6	+	17664569	17666000	no
3281	7.78e-06	-5.08	ENSG00000188677	PARVB	chr22	+	42751501	42751664	no
3281	7.78e-06	-2.53	ENSG00000188677	PARVB	chr22	+	42895815	42896434	no
3282	7.82e-06	-3.38	ENSG00000152492	CCDC50	chr3	+	192529568	192530206	no
3282	7.82e-06	-3.32	ENSG00000152492	CCDC50	chr3	+	192592224	192592658	no
3283	7.92e-06	-2.07	ENSG00000103343	ZNF174	chr16	+	3398322	3399361	no
3284	8.07e-06	-4.41	ENSG00000164934	WDSOF1	chr8	+	104496118	104496920	no
3284	8.07e-06	-2.17	ENSG00000164934	WDSOF1	chr8	+	104517030	104517194	no
3285	8.26e-06	-6.4	ENSG00000134815	DHX34	chr19	+	52572155	52572261	yes,JnId_h_43233
3285	8.26e-06	-3.25	ENSG00000134815	DHX34	chr19	+	52575904	52576080	no
3285	8.26e-06	-11.93	ENSG00000134815	DHX34	chr19	+	52577068	52577795	no
3286	8.32e-06	-4.12	ENSG00000117676	RPS6KA1	chr1	+	26773157	26774108	no
3287	8.33e-06	-4.2	ENSG00000188313	PLSCR1	chr3	-	147715658	147716578	no
3288	8.44e-06	-2.61	ENSG00000175224	KIAA0652	chr11	+	46622405	46622486	no
3288	8.44e-06	-2.01	ENSG00000175224	KIAA0652	chr11	+	46623465	46623545	no
3289	8.44e-06	-2.94	ENSG00000100744	C14orf129	chr14	+	95921613	95923376	no
3290	8.64e-06	-2.32	ENSG00000196678	EXOD1	chr16	-	20715167	20717890	no
3291	8.88e-06	-2.6	ENSG00000137573	SULF1	chr8	+	70661146	70661297	no
3291	8.88e-06	-4.78	ENSG00000137573	SULF1	chr8	+	70733294	70735701	no
3292	8.92e-06	-3.52	ENSG00000184232	OAF	chr11	+	119586957	119587428	no
3293	9.07e-06	-2.68	ENSG00000167461	RAB8A	chr19	+	16083467	16083835	no
3294	9.08e-06	-2.01	ENSG00000132953	XPO4	chr13	-	20251014	20256058	no
3295	9.09e-06	-2.82	ENSG00000105767	CADM4	chr19	-	48818362	48819431	no
3296	9.13e-06	-3.18	ENSG00000185686	PRAME	chr22	-	21229232	21230000	no
3297	9.28e-06	-2.7	ENSG00000162129	CLPB	chr11	-	71681122	71682307	no
3298	9.58e-06	-3.73	ENSG00000081307	UBE1DC1	chr3	+	133877977	133879311	no
3299	9.6e-06	-4.95	ENSG00000004864	SLC25A13	chr7	-	95789190	95789341	no
3299	9.6e-06	-2.67	ENSG00000004864	SLC25A13	chr7	-	95587469	95588625	no
3300	9.65e-06	-2.76	ENSG00000047056	WDR37	chr10	+	1165153	1168237	no
3301	9.72e-06	-3.19	ENSG00000180228	PRKRA	chr2	-	179004396	179005227	no
3302	9.73e-06	-6.45	ENSG00000106459	NRF1	chr7	+	129182094	129183090	no
3303	9.74e-06	-2.11	ENSG00000179348	GATA2	chr3	-	129680962	129682851	no
3304	9.76e-06	-3.05	ENSG00000124574	ABCC10	chr6	+	43525645	43526142	no
3305	9.76e-06	-2.84	ENSG00000141013	GAS8	chr16	+	88634209	88634418	yes,JnId_h_32212
3306	9.8e-06	-14.25	ENSG00000162627	SNX7	chr1	+	98998198	98998644	no

3307	9.88e-06	-3.3	ENSG00000149582	TMEM25	chr11	+	117910432	117911757	no	
3308	9.91e-06	-6.39	ENSG00000139116	KIF21A	chr12	-	37973298	37974586	no	
3309	1.00e-05	-2.64	ENSG00000157483	MYO1E	chr15	-	57451989	57452362	no	
3309	1.00e-05	-5.01	ENSG00000157483	MYO1E	chr15	-	57215461	57216947	no	
3310	1.04e-05	-2.4	ENSG00000186812	ZNF397	chr18	+	31091890	31093189	no	
3311	1.05e-05	-2.22	ENSG00000031823	RANBP3	chr19	-	5908929	5908986	yes,JnId_h_40081	
3311	1.05e-05	-4.44	ENSG00000031823	RANBP3	chr19	-	5868120	5868270	no	
3312	1.06e-05	-5.05	ENSG00000125648	SLC25A23	chr19	-	6410484	6410781	no	
3313	1.06e-05	-2.85	ENSG00000100376	FAM118A	chr22	+	44114931	44116498	no	
3314	1.07e-05	-3.39	ENSG00000142327	RNPEPL1	chr2	+	241165689	241166814	no	
3315	1.07e-05	-2.44	ENSG00000180900	SCRIB	chr8	-	144969372	144969537	no	
3316	1.12e-05	-2.7	ENSG00000143499	SMYD2	chr1	+	212521091	212521393	yes,JnId_h_7528	
3316	1.12e-05	-4.08	ENSG00000143499	SMYD2	chr1	+	212576670	212577097	no	
3317	1.13e-05	-4.56	ENSG00000185386	MAPK11	chr22	-	49044295	49045583	no	
3318	1.14e-05	-3.67	ENSG00000135333	EPHA7	chr6	-	94006459	94009979	no	
3319	1.21e-05	-2.69	ENSG00000137942	FNBP1L	chr1	+	93789092	93792806	yes,JnId_h_4280	
3320	1.21e-05	-2.5	ENSG00000128463	TMEM85	chr15	+	32309246	32309642	yes,JnId_b_20323	
3321	1.22e-05	-2.43	ENSG00000104205	SGK3	chr8	+	67934200	67936800	no	
3322	1.24e-05	-4.54	ENSG00000158545	Q96MP7	chr16	+	87164320	87164475	yes,JnId_b_25514	
3323	1.24e-05	-3.78	ENSG00000068323	TFE3	chrX	-	48787581	48787956	no	
3323	1.24e-05	-5.27	ENSG00000068323	TFE3	chrX	-	48771186	48773056	no	
3324	1.25e-05	-2.84	ENSG00000170322	NFRKB	chr11	-	129267820	129268116	no	
3325	1.26e-05	-2.38	ENSG00000119771	KLHL29	chr2	+	23769644	23769903	no	
3325	1.26e-05	-3.33	ENSG00000119771	KLHL29	chr2	+	23782855	23784977	no	
3326	1.28e-05	-2.23	ENSG00000198663	C6orf89	chr6	+	36990308	36990447	no	
3326	1.28e-05	-2.09	ENSG00000198663	C6orf89	chr6	+	36999101	37002294	no	
3327	1.33e-05	-2.35	ENSG00000150627	WDR17	chr4	+	177337605	177340959	no	
3328	1.35e-05	-2.14	ENSG00000159423	ALDH4A1	chr1	-	19070513	19072038	no	
3329	1.36e-05	-2.01	ENSG00000120093	HOXB3	chr17	-	44006198	44006848	no	
3330	1.36e-05	-2.02	ENSG00000170448	NFXL1	chr4	-	47596144	47596322	no	
3330	1.36e-05	-7.53	ENSG00000170448	NFXL1	chr4	-	47544014	47545110	no	
3331	1.38e-05	-3.61	ENSG00000166788	SAAL1	chr11	-	18061658	18061854	no	
3331	1.38e-05	-3.17	ENSG00000166788	SAAL1	chr11	-	18059534	18059626	no	
3332	1.40e-05	-2.82	ENSG00000011454	RABGAP1	chr9	+	124791397	124792869	yes,JnId_h_78923	
3333	1.42e-05	-11.5	ENSG00000173545	ZNF622	chr5	-	16516217	16516379	no	
3334	1.43e-05	-2.26	ENSG00000103723	AP3B2	chr15	-	81125089	81125517	no	
3335	1.43e-05	-10.16	ENSG00000182362	C21orf57	chr21	+	46530695	46531079	no	
3335	1.43e-05	-7.24	ENSG00000182362	C21orf57	chr21	+	46541881	46542092	no	
3336	1.44e-05	-3.07	ENSG00000167670	CHAF1A	chr19	+	4353661	4353811	yes,JnId_h_39854	
3336	1.44e-05	-2.31	ENSG00000167670	CHAF1A	chr19	+	4393922	4394125	no	
3337	1.44e-05	-3.69	ENSG00000080802	CNOT4	chr7	-	134697975	134698478	no	
3338	1.49e-05	-3.24	ENSG00000164068	RNF123	chr3	+	49703567	49703684	no	
3338	1.49e-05	-2.62	ENSG00000164068	RNF123	chr3	+	49715864	49715965	no	
3338	1.49e-05	-2.42	ENSG00000164068	RNF123	chr3	+	49717087	49717193	no	
3339	1.50e-05	-2.1	ENSG00000184277	TM2D3	chr15	-	99999580	100000370	no	
3340	1.54e-05	-3.86	ENSG00000169375	SIN3A	chr15	-	73479434	73479550	no	
3341	1.54e-05	-6.03	ENSG00000204520	MICA	chr6	+	31475540	31476519	no	
3342	1.55e-05	-4.78	ENSG0000029364	SLC39A9	chr14	+	68998167	68998851	no	
3343	1.58e-05	-5.58	ENSG00000165689	SDCCAG3	chr9	-	138424601	138424880	no	
3344	1.59e-05	-3.25	ENSG00000100883	SRP54	chr14	+	34568018	34568522	no	
3345	1.60e-05	-3.09	ENSG00000138443	ABI2	chr2	+	203984253	203984339	yes,JnId_h_48821	
3345	1.60e-05	-2.29	ENSG00000138443	ABI2	chr2	+	204000145	204000576	no	
3346	1.61e-05	-2.21	ENSG00000066117	SMARCD1	chr12	+	48765402	48765596	no	
3347	1.62e-05	-2.79	ENSG00000170264	Q9H8R2	chr2	-	61905494	61907238	no	
3348	1.65e-05	-2.3	ENSG00000169683	LRRC45	chr17	+	77581774	77582313	no	
3349	1.7e-05	-3.34	ENSG00000115963	RND3	chr2	-	151032955	151034998	no	
3350	1.71e-05	-5.57	ENSG00000115274	ZNHIT4	chr2	+	74537969	74538499	no	
3351	1.71e-05	-3.06	ENSG00000104660	LEPROTL1	chr8	+	30114330	30115254	no	
3352	1.74e-05	-2.05	ENSG00000178202	KDELC2	chr11	-	107866907	107867441	no	
3353	1.74e-05	-2.06	ENSG00000196455	PIK3R4	chr3	-	131947852	131948340	no	
3353	1.74e-05	-7.11	ENSG00000196455	PIK3R4	chr3	-	131880468	131881019	no	
3354	1.75e-05	-2.24	ENSG00000149554	CHEK1	chr11	+	125030330	125030847	no	
3355	1.75e-05	-3.09	ENSG00000125351	UPF3B	chrX	-	118870764	118870996	no	
3355	1.75e-05	-8.34	ENSG00000125351	UPF3B	chrX	-	118852017	118853018	no	

3356	1.76e-05	-2.03	ENSG00000136021	SCYL2	chr12	+	99200852	99201056	no	
3356	1.76e-05	-2.05	ENSG00000136021	SCYL2	chr12	+	99209412	99209569	no	
3356	1.76e-05	-2.02	ENSG00000136021	SCYL2	chr12	+	99256437	99258043	no	
3357	1.76e-05	-3.48	ENSG00000145332	KLHL8	chr4	-	88335500	88335866	no	
3357	1.76e-05	-2.96	ENSG00000145332	KLHL8	chr4	-	88300749	88303818	no	
3358	1.76e-05	-2.13	ENSG00000112096	SOD2	chr6	-	160023162	160023660	no	
3359	1.78e-05	-2.34	ENSG00000008869	HEATR5B	chr2	-	37061657	37062441	no	
3360	1.78e-05	-2.18	ENSG00000163848	SLC12A8	chr3	-	126514842	126515190	no	
3360	1.78e-05	-12.38	ENSG00000163848	SLC12A8	chr3	-	126309011	126309660	no	
3361	1.79e-05	-2.5	ENSG00000173599	PC	chr11	-	66373658	66373906	no	
3361	1.79e-05	-2.39	ENSG00000173599	PC	chr11	-	66372605	66373194	no	
3362	1.80e-05	-3.38	ENSG00000114054	PCCB	chr3	+	137530290	137530389	no	
3362	1.80e-05	-7.09	ENSG00000114054	PCCB	chr3	+	137531437	137531695	no	
3363	1.85e-05	-11.03	ENSG00000144674	GOLGA4	chr3	+	37382575	37383240	yes	JnId_h_56260
3364	1.90e-05	-2.02	ENSG00000116698	SMG7	chr1	+	181708257	181708407	no	
3364	1.90e-05	-2.61	ENSG00000116698	SMG7	chr1	+	181751632	181751844	no	
3365	1.95e-05	-2.17	ENSG00000160294	MCM3AP	chr21	-	46481171	46481321	no	
3365	1.95e-05	-8.82	ENSG00000160294	MCM3AP	chr21	-	46479476	46479768	no	
3366	1.96e-05	-2.79	ENSG00000197860	SGTB	chr5	-	64997511	65001940	no	
3367	1.97e-05	-3	ENSG00000112874	NUDT12	chr5	-	102912455	102914571	no	
3368	2.06e-05	-4.33	ENSG00000082146	ALS2CR2	chr2	+	202053000	202053695	no	
3369	2.07e-05	-5.2	ENSG00000166507	NDST2	chr10	-	75231675	75232340	no	
3370	2.08e-05	-44.79	ENSG00000166848	TERF2IP	chr16	+	74247606	74248830	no	
3371	2.08e-05	-8.88	ENSG00000111877	MCM9	chr6	-	119273463	119274633	no	
3372	2.09e-05	-4.45	ENSG00000134352	IL6ST	chr5	-	55266680	55273404	no	
3373	2.1e-05	-2.2	ENSG00000099204	ABLIM1	chr10	-	116180862	116186122	no	
3374	2.10e-05	-5.22	ENSG00000181513	ACBD4	chr17	+	40576593	40577322	no	
3375	2.11e-05	-3.09	ENSG00000112478	VPS52	chr6	-	33347341	33347640	no	
3375	2.11e-05	-2.29	ENSG00000112478	VPS52	chr6	-	33345499	33345574	no	
3376	2.12e-05	-2.45	ENSG00000099814	KIAA0284	chr14	+	104432093	104434131	no	
3377	2.14e-05	-2.67	ENSG00000164930	FZD6	chr8	+	104412745	104414214	no	
3378	2.23e-05	-3.23	ENSG00000116685	KIAA2013	chr1	-	11902235	11902976	no	
3379	2.24e-05	-2.72	ENSG00000140534	C15orf42	chr15	+	87938650	87938789	no	
3379	2.24e-05	-2.25	ENSG00000140534	C15orf42	chr15	+	87939628	87939846	no	
3379	2.24e-05	-3.18	ENSG00000140534	C15orf42	chr15	+	87943559	87943710	no	
3379	2.24e-05	-3.45	ENSG00000140534	C15orf42	chr15	+	87971191	87972254	no	
3380	2.29e-05	-2.9	ENSG00000118965	WDR35	chr2	-	19973502	19976950	no	
3381	2.3e-05	-7.68	ENSG00000117410	ATP6V0B	chr1	+	44216240	44216553	no	
3382	2.31e-05	-2.92	ENSG00000178445	GLDC	chr9	-	6635245	6635650	no	
3382	2.31e-05	-6.1	ENSG00000178445	GLDC	chr9	-	6522464	6523160	no	
3383	2.34e-05	-2.04	ENSG00000118197	DDX59	chr1	-	198879820	198880268	no	
3384	2.4e-05	-6.76	ENSG00000120885	CLU	chr8	-	27510351	27511684	no	
3385	2.4e-05	-4.29	ENSG00000167515	TRAPPC2L	chr16	+	87454820	87455020	yes	JnId_h_32047
3386	2.43e-05	-2.72	ENSG00000128059	PPAT	chr4	-	56996273	56996602	no	
3386	2.43e-05	-3.25	ENSG00000128059	PPAT	chr4	-	56962253	56962404	no	
3386	2.43e-05	-5.06	ENSG00000128059	PPAT	chr4	-	56954288	56956471	no	
3387	2.43e-05	-7.67	ENSG00000112234	FBXL4	chr6	-	99471971	99472316	no	
3387	2.43e-05	-14.06	ENSG00000112234	FBXL4	chr6	-	99428055	99429038	no	
3388	2.44e-05	-2.2	ENSG00000183098	GPC6	chr13	+	93280408	93280799	yes	JnId_h_22227
3388	2.44e-05	-2.92	ENSG00000183098	GPC6	chr13	+	93853270	93857656	no	
3389	2.46e-05	-4.68	ENSG00000005175	Q9H6T3	chr12	-	46343344	46343640	no	
3390	2.47e-05	-2.07	ENSG00000100697	DICER1	chr14	-	94643970	94644183	yes	JnId_b_19754
3390	2.47e-05	-2.29	ENSG00000100697	DICER1	chr14	-	94622319	94626753	no	
3391	2.48e-05	-2.75	ENSG00000111880	RNGTT	chr6	-	89376704	89379320	no	
3392	2.52e-05	-2.25	ENSG00000101346	POFUT1	chr20	+	30259344	30259529	no	
3393	2.53e-05	-2.3	ENSG00000083223	ZCCHC6	chr9	-	88092468	88093479	no	
3394	2.57e-05	-3.08	ENSG00000099991	Q8IVX9	chr22	+	22762537	22762629	yes	JnId_h_53675
3394	2.57e-05	-2.02	ENSG00000099991	Q8IVX9	chr22	+	22764796	22764909	yes	JnId_h_53675
3394	2.57e-05	-2.59	ENSG00000099991	Q8IVX9	chr22	+	22810959	22811104	no	
3394	2.57e-05	-3.1	ENSG00000099991	Q8IVX9	chr22	+	22839533	22839715	no	
3394	2.57e-05	-2.06	ENSG00000163214	DHX57	chr2	-	38928915	38929048	no	
3394	2.57e-05	-3.07	ENSG00000163214	DHX57	chr2	-	38878375	38879088	no	
3396	2.64e-05	-5.52	ENSG00000165684	SNAPC4	chr9	-	138412572	138413072	no	
3396	2.64e-05	-2.33	ENSG00000165684	SNAPC4	chr9	-	138409876	138410043	no	

3396	2.64e-05	-2.52	ENSG00000165684	SNAPC4	chr9	-	138391816	138393572	no	
3397	2.66e-05	-5.49	ENSG00000088448	ANKRD10	chr13	-	110328888	110330460	no	
3398	2.66e-05	-2.36	ENSG00000079332	SAR1A	chr10	-	71579966	71582354	no	
3399	2.68e-05	-3.51	ENSG00000140463	BBS4	chr15	+	70816872	70817869	no	
3400	2.74e-05	-2	ENSG00000160948	VPS28	chr8	-	145619996	145620323	yes	JnId_h_76788
3401	2.75e-05	-6.7	ENSG00000078900	TP73	chr1	+	3639171	3642625	no	
3402	2.78e-05	-2.2	ENSG00000156345	CCRK	chr9	-	89779107	89779488	no	
3402	2.78e-05	-3.43	ENSG00000156345	CCRK	chr9	-	89771181	89772394	no	
3402	2.78e-05	-4.64	ENSG00000141325	CCDC45	chr17	+	59935172	59935300	yes	JnId_h_36598
3402	2.78e-05	-4.52	ENSG00000141325	CCDC45	chr17	+	59963182	59963328	no	
3402	2.78e-05	-9.64	ENSG00000141325	CCDC45	chr17	+	59964183	59964522	no	
3404	2.79e-05	-2.87	ENSG00000118246	FASTKD2	chr2	+	207364652	207365477	no	
3405	2.83e-05	-2.54	ENSG00000168781	HISPPD2A	chr15	-	41612952	41614966	no	
3406	2.86e-05	-4.69	ENSG00000125695	Q5JPI2	chr17	-	59172833	59173062	no	
3406	2.86e-05	-2.27	ENSG00000125695	Q5JPI2	chr17	-	59133928	59136000	"yes	JnId_h_36474;JnId_h_36475;JnId_h_36475"
3407	2.92e-05	-9.88	ENSG00000107105	ELAVL2	chr9	-	23680102	23682882	no	
3408	2.97e-05	-2.26	ENSG00000126456	IRF3	chr19	-	54854642	54854902	no	
3409	3.06e-05	-4.07	ENSG00000167904	TMEM68	chr8	-	56813874	56815331	no	
3410	3.07e-05	-2.76	ENSG00000011028	MRC2	chr17	+	58123324	58124629	no	
3411	3.07e-05	-2.02	ENSG00000134905	CARS2	chr13	-	110156218	110156464	no	
3412	3.09e-05	-2.46	ENSG00000071894	CPSF1	chr8	-	145597632	145597765	yes	JnId_h_76779
3412	3.09e-05	-2.85	ENSG00000071894	CPSF1	chr8	-	145595156	145595236	yes	JnId_b_61555
3412	3.09e-05	-2.59	ENSG00000071894	CPSF1	chr8	-	145593766	145593902	yes	JnId_b_61555
3412	3.09e-05	-2.43	ENSG00000071894	CPSF1	chr8	-	145593230	145593436	"yes	JnId_b_61548;JnId_b_61555"
3413	3.1e-05	-3.43	ENSG00000122557	HERPUD2	chr7	-	35700936	35701254	no	
3413	3.1e-05	-3.04	ENSG00000122557	HERPUD2	chr7	-	35641270	35641593	no	
3413	3.1e-05	-7.56	ENSG00000122557	HERPUD2	chr7	-	35638797	35639986	no	
3414	3.11e-05	-2.26	ENSG00000167447	C17orf71	chr17	+	54646948	54647390	no	
3415	3.12e-05	-9.35	ENSG00000136522	MRPL47	chr3	-	180788951	180789477	no	
3416	3.12e-05	-4.36	ENSG00000141562	NARF	chr17	+	78039081	78039430	no	
3417	3.16e-05	-2.1	ENSG00000108651	UTP6	chr17	-	27214303	27214648	no	
3418	3.17e-05	-2.34	ENSG00000100911	PSME2	chr14	-	23685583	23686270	no	
3419	3.19e-05	-3.21	ENSG00000137601	NEK1	chr4	-	170551007	170552249	no	
3420	3.27e-05	-2.4	ENSG00000107736	CDH23	chr10	+	72826700	72827081	no	
3421	3.33e-05	-6.06	ENSG00000100575	TIMM9	chr14	-	57945121	57945639	no	
3422	3.34e-05	-2.78	ENSG00000069702	TGFBR3	chr1	-	91918488	91922002	no	
3423	3.37e-05	-2.82	ENSG00000151065	DCP1B	chr12	-	1925477	1925713	no	
3424	3.40e-05	-3.28	ENSG00000168393	DTYMK	chr2	-	242274742	242274900	no	
3424	3.40e-05	-3.57	ENSG00000168393	DTYMK	chr2	-	242263830	242264325	no	
3425	3.43e-05	-2.1	ENSG00000083857	FAT	chr4	-	187821447	187821761	no	
3426	3.44e-05	-4.16	ENSG00000162144	CYBASC3	chr11	-	60885781	60886322	yes	JnId_h_13656
3426	3.44e-05	-2.02	ENSG00000162144	CYBASC3	chr11	-	60875039	60875195	no	
3426	3.44e-05	-2.18	ENSG00000162144	CYBASC3	chr11	-	60872856	60874470	no	
3427	3.52e-05	-3.34	ENSG00000101898	MCTS1	chrX	+	119630066	119630362	no	
3428	3.52e-05	-2.01	ENSG00000163785	RYK	chr3	-	135379475	135379607	no	
3428	3.52e-05	-3.5	ENSG00000163785	RYK	chr3	-	135358668	135359798	no	
3429	3.57e-05	-2.08	ENSG00000185214	KLHL22	chr22	-	19125806	19126725	no	
3430	3.61e-05	-3.53	ENSG00000007080	CCDC124	chr19	+	17915317	17915783	yes	JnId_h_41509
3431	3.62e-05	-10.89	ENSG00000089818	NECAP1	chr12	+	8139905	8141616	no	
3432	3.65e-05	-5.44	ENSG00000163162	RNF149	chr2	-	101258985	101260175	no	
3433	3.66e-05	-2.22	ENSG00000105849	TWISTNB	chr7	-	19701610	19704875	no	
3434	3.71e-05	-2.98	ENSG00000183258	DDX41	chr5	-	176876332	176876442	no	
3434	3.71e-05	-3.39	ENSG00000183258	DDX41	chr5	-	176871929	176872000	no	
3434	3.71e-05	-2.04	ENSG00000183258	DDX41	chr5	-	176871185	176871534	no	
3435	3.72e-05	-2.07	ENSG00000102098	SCML2	chrX	-	18167355	18169420	no	
3436	3.76e-05	-13.25	ENSG00000133597	ADCK2	chr7	+	140040932	140041378	no	
3437	3.87e-05	-2.19	ENSG00000021355	SERPINB1	chr6	-	2777565	2779245	no	
3438	3.87e-05	-5.5	ENSG00000164823	OSGIN2	chr8	+	91005906	91009271	no	
3439	3.88e-05	-2.97	ENSG00000143641	GALNT2	chr1	+	228269579	228269776	no	
3440	3.88e-05	-3.03	ENSG00000162650	ATXN7L2	chr1	+	109833696	109834273	no	
3441	3.91e-05	-5.34	ENSG00000100139	MICALL1	chr22	+	36632292	36632521	no	
3442	3.98e-05	-2.1	ENSG00000197622	CDC42SE1	chr1	-	149290071	149292427	no	
3443	4.09e-05	-2.94	ENSG00000143093	FAM40A	chr1	+	110378761	110378962	no	
3443	4.09e-05	-2.19	ENSG00000143093	FAM40A	chr1	+	110397810	110398786	no	

3444	4.15e-05	-3.32	ENSG00000164649	CDCA7L	chr7	-	21922897	21923037	yes,JnId_h_71271
3444	4.15e-05	-7.36	ENSG00000164649	CDCA7L	chr7	-	21917760	21917897	"yes,JnId_h_71270;JnId_h_71272"
3444	4.15e-05	-3.59	ENSG00000109270	MAP2K1IP1	chr4	-	101021279	101022247	no
3446	4.17e-05	-2.15	ENSG00000121931	C1orf103	chr1	-	111295433	111296960	yes,JnId_h_4649
3447	4.19e-05	-5.92	ENSG00000154813	DPH3	chr3	-	16274490	16277340	no
3448	4.23e-05	-3.55	ENSG00000143553	SNAPAP	chr1	+	151900300	151900930	no
3449	4.24e-05	-55.21	ENSG00000211450	C11orf31	chr11	+	57266911	57267459	no
3450	4.26e-05	-2.09	ENSG00000152767	FARP1	chr13	+	97840212	97840375	no
3450	4.26e-05	-2.17	ENSG00000152767	FARP1	chr13	+	97890925	97891091	yes,JnId_h_22349
3450	4.26e-05	-2.83	ENSG00000152767	FARP1	chr13	+	97898491	97900017	yes,JnId_h_22361
3451	4.38e-05	-5.89	ENSG00000064490	RFXANK	chr19	+	19173458	19173678	no
3452	4.47e-05	-3.13	ENSG00000204267	TAP2	chr6	-	32901165	32904789	no
3453	4.48e-05	-18.03	ENSG00000115204	MPV17	chr2	-	27398819	27398935	no
3454	4.56e-05	-5.67	ENSG00000105298	C19orf29	chr19	-	3561650	3562074	no
3455	4.57e-05	-3.48	ENSG00000149541	B3GAT3	chr11	-	62145914	62146202	no
3456	4.62e-05	-2.45	ENSG00000006118	TMEM132A	chr11	+	60448522	60448781	no
3457	4.63e-05	-2.44	ENSG00000183444	Q6P5R4	chr7	-	97439383	97439584	no
3458	4.72e-05	-2.55	ENSG00000197724	PHF2	chr9	+	95447732	95447892	no
3458	4.72e-05	-4.37	ENSG00000197724	PHF2	chr9	+	95479691	95481684	no
3459	4.74e-05	-3.41	ENSG00000131748	STARD3	chr17	+	35046844	35047010	no
3459	4.74e-05	-2.07	ENSG00000131748	STARD3	chr17	+	35072583	35073214	no
3460	4.75e-05	-4.05	ENSG00000153006	Q8N9Q2	chr5	-	64052109	64056156	no
3461	4.84e-05	-2.08	ENSG00000163389	KTELC1	chr3	+	120693819	120696240	no
3462	4.85e-05	-3.31	ENSG00000158941	KIAA1967	chr8	+	22519194	22519289	no
3462	4.85e-05	-2.02	ENSG00000158941	KIAA1967	chr8	+	22521427	22521523	yes,JnId_h_74659
3462	4.85e-05	-2.22	ENSG00000158941	KIAA1967	chr8	+	22533096	22533920	no
3463	4.88e-05	-3.5	ENSG00000151092	NGLY1	chr3	-	25748814	25748978	no
3463	4.88e-05	-3.85	ENSG00000151092	NGLY1	chr3	-	25736509	25736686	no
3464	4.91e-05	-2.69	ENSG00000073169	Q5JZ81	chr22	+	48981535	48982146	no
3465	4.94e-05	-2.34	ENSG00000197345	MRPL21	chr11	-	68415323	68415439	no
3466	4.96e-05	-2.36	ENSG00000109390	NDUFC1	chr4	-	140430542	140430696	no
3467	5.01e-05	-5.6	ENSG00000198945	L3MBTL3	chr6	+	130502448	130504275	no
3468	5.13e-05	-2.73	ENSG00000099954	CECR2	chr22	+	16400101	16400489	no
3468	5.13e-05	-4.85	ENSG00000099954	CECR2	chr22	+	16412535	16413845	no
3469	5.19e-05	-2.89	ENSG00000186638	C9orf48	chr9	-	34299983	34301369	no
3470	5.19e-05	-2.31	ENSG00000181045	SLC26A11	chr17	+	75841019	75841890	no
3471	5.2e-05	-2.56	ENSG00000135334	C6orf166	chr6	-	88441509	88442044	no
3472	5.32e-05	-2.62	ENSG00000116406	EDEM3	chr1	-	182925988	182930229	no
3473	5.39e-05	-2.73	ENSG00000159593	APPBP1	chr16	-	65399925	65400017	no
3473	5.39e-05	-4.3	ENSG00000159593	APPBP1	chr16	-	65394284	65394522	no
3474	5.41e-05	-2.81	ENSG00000121621	KIF18A	chr11	-	28075746	28076116	no
3474	5.41e-05	-2.15	ENSG00000121621	KIF18A	chr11	-	28014340	28014787	no
3474	5.41e-05	-5.93	ENSG00000121621	KIF18A	chr11	-	27998742	27999405	no
3475	5.42e-05	-3.29	ENSG00000073417	PDE8A	chr15	+	83326209	83326583	no
3476	5.44e-05	-4.29	ENSG00000152620	C5orf33	chr5	-	36229574	36231141	no
3477	5.44e-05	-4.63	ENSG00000149600	COMMD7	chr20	-	30794775	30795464	no
3478	5.47e-05	-2.97	ENSG00000139291	TMEM19	chr12	+	70380879	70382568	no
3479	5.56e-05	-4.16	ENSG00000131773	KHDRBS3	chr8	+	136728418	136729028	no
3480	5.68e-05	-9.32	ENSG00000102738	MRPS31	chr13	-	40201432	40201737	no
3481	5.7e-05	-4.25	ENSG00000137478	FCHSD2	chr11	-	72225460	72227567	no
3482	5.7e-05	-4.67	ENSG00000102384	CENPI	chrX	+	100304478	100305326	no
3483	5.8e-05	-2.21	ENSG00000099992	TBC1D10A	chr22	-	29052662	29052921	no
3483	5.8e-05	-3.45	ENSG00000099992	TBC1D10A	chr22	-	29017980	29018840	no
3484	5.8e-05	-3.85	ENSG00000134697	GNL2	chr1	-	37830900	37830994	no
3484	5.8e-05	-3.48	ENSG00000134697	GNL2	chr1	-	37828894	37829033	no
3484	5.8e-05	-6.51	ENSG00000134697	GNL2	chr1	-	37822055	37822121	no
3484	5.8e-05	-6.21	ENSG00000134697	GNL2	chr1	-	37813783	37813887	yes,JnId_b_1862
3484	5.8e-05	-2.92	ENSG00000134697	GNL2	chr1	-	37805861	37805952	no
3484	5.8e-05	-7.3	ENSG00000134697	GNL2	chr1	-	37805004	37805195	no
3485	5.82e-05	-3.91	ENSG00000170727	BOP1	chr8	-	145485762	145485928	no
3486	5.96e-05	-2.48	ENSG00000138092	CENPO	chr2	+	24869518	24869893	no
3487	6.04e-05	-2.08	ENSG00000060069	CTDP1	chr18	+	75540789	75541249	no
3488	6.14e-05	-5.3	ENSG00000136560	TANK	chr2	+	161800099	161800928	no
3489	6.15e-05	-2.03	ENSG00000093167	LRRFIP2	chr3	-	37070181	37070456	yes,JnId_h_56223

3490	6.18e-05	-8.25	ENSG00000107140	TESK1	chr9	+	35595281	35595835	no
3490	6.18e-05	-4.67	ENSG00000107140	TESK1	chr9	+	35596834	35596980	no
3491	6.22e-05	-3.97	ENSG00000170892	TSEN34	chr19	+	59388905	59389333	no
3492	6.25e-05	-2.54	ENSG00000103043	VAC14	chr16	-	69392201	69392572	no
3493	6.3e-05	-4.59	ENSG00000108294	PSMB3	chr17	+	34173898	34174003	no
3494	6.33e-05	-5.07	ENSG00000189050	Q96IZ9	chr17	-	55390434	55390587	yes,JnId_h_36286
3494	6.33e-05	-10.64	ENSG00000189050	Q96IZ9	chr17	-	55384506	55385254	no
3495	6.35e-05	-9.27	ENSG00000183735	TBK1	chr12	+	63181377	63182153	no
3496	6.43e-05	-3.67	ENSG00000136444	RSAD1	chr17	+	45911189	45911379	no
3497	6.49e-05	-2.5	ENSG00000174080	CTSF	chr11	-	66087516	66088054	no
3498	6.53e-05	-2.58	ENSG00000188229	TUBB2C	chr9	+	139255532	139255690	no
3499	6.57e-05	-3.32	ENSG00000185753	CXorf38	chrX	-	40383205	40384516	no
3500	6.58e-05	-3.76	ENSG00000163686	ABHD6	chr3	+	58254356	58255499	no
3501	6.6e-05	-2.04	ENSG00000163634	THOC7	chr3	-	63794587	63794915	no
3502	6.65e-05	-4.57	ENSG00000183785	PEX26	chr22	+	16952746	16954236	no
3503	6.78e-05	-2.16	ENSG00000134138	MEIS2	chr15	-	35178948	35179996	no
3504	6.81e-05	-2.01	ENSG00000197444	OGDHL	chr10	-	50636441	50636645	no
3504	6.81e-05	-3.06	ENSG00000197444	OGDHL	chr10	-	50612695	50613403	no
3505	6.94e-05	-2.67	ENSG00000196313	Q9H9X1	chr7	+	71987872	71988392	no
3506	6.98e-05	-155.53	ENSG00000100625	SIX4	chr14	-	60246010	60250674	no
3507	7.21e-05	-2.59	ENSG00000047315	POLR2B	chr4	+	57591127	57591322	no
3508	7.32e-05	-2.52	ENSG00000077809	GTF2I	chr7	+	73709966	73710330	no
3509	7.38e-05	-2.39	ENSG00000162980	ARL5A	chr2	-	152365726	152368084	no
3510	7.42e-05	-4.49	ENSG00000165480	C13orf3	chr13	-	20625734	20627289	no
3511	7.43e-05	-30.53	ENSG00000049130	KITLG	chr12	-	87410697	87415089	no
3512	7.54e-05	-110.12	ENSG00000072756	TRNT1	chr3	+	3153944	3154137	no
3513	7.63e-05	-3.15	ENSG00000107951	PAPD1	chr10	-	30641765	30642906	no
3514	7.74e-05	-3.35	ENSG00000173757	STAT5B	chr17	-	37681792	37681950	no
3515	7.76e-05	-7.03	ENSG00000164463	Q86YR3	chr5	+	172493239	172496567	no
3516	7.82e-05	-3.25	ENSG00000168056	LTBP3	chr11	-	65081676	65082275	no
3517	7.85e-05	-2.03	ENSG00000105939	ZC3HAV1	chr7	-	138378808	138383139	no
3518	8.04e-05	-3.32	ENSG00000003393	ALS2	chr2	-	202273522	202274857	no
3519	8.18e-05	-4.15	ENSG00000101199	ARFGAP1	chr20	+	61387777	61388015	yes,JnId_h_52038
3520	8.2e-05	-6.07	ENSG00000136273	A4D2F2	chr7	-	47969508	47971560	yes,JnId_b_57379
3521	8.27e-05	-2.84	ENSG00000180773	SLC36A4	chr11	-	92520500	92521658	no
3522	8.33e-05	-3.62	ENSG00000111361	EIF2B1	chr12	-	122684045	122684200	no
3522	8.33e-05	-2.95	ENSG00000111361	EIF2B1	chr12	-	122682845	122682946	no
3523	8.56e-05	-3.6	ENSG00000092208	SIP1	chr14	+	38675395	38675926	no
3524	8.62e-05	-10.62	ENSG00000204130	RUFY2	chr10	-	69774908	69775674	no
3525	8.68e-05	-2.56	ENSG00000112769	LAMA4	chr6	-	112682337	112682605	no
3525	8.68e-05	-2.31	ENSG00000112769	LAMA4	chr6	-	112619531	112619745	no
3525	8.68e-05	-4.35	ENSG00000112769	LAMA4	chr6	-	112536654	112537478	no
3526	8.77e-05	-3.14	ENSG00000145604	SKP2	chr5	+	36213044	36213151	no
3527	8.79e-05	-6.53	ENSG00000134255	CEPT1	chr1	+	111526332	111526463	yes,JnId_h_4663
3527	8.79e-05	-12.89	ENSG00000134255	CEPT1	chr1	+	111528336	111529247	no
3528	8.82e-05	-2.26	ENSG00000114767	RRP9	chr3	-	51944398	51944532	no
3529	8.86e-05	-7.42	ENSG00000010219	DYRK4	chr12	+	4592939	4593291	no
3530	8.99e-05	-3.26	ENSG00000145216	FIP1L1	chr4	+	53944697	53944800	no
3530	8.99e-05	-4.46	ENSG00000145216	FIP1L1	chr4	+	53951445	53951552	no
3530	8.99e-05	-2.66	ENSG00000145216	FIP1L1	chr4	+	53975539	53975646	yes,JnId_h_61432
3531	9.07e-05	-2.3	ENSG00000173273	TNKS	chr8	+	9450832	9451532	no
3531	9.07e-05	-2.15	ENSG00000173273	TNKS	chr8	+	9671570	9677266	no
3532	9.1e-05	-7.83	ENSG00000001630	CYP51A1	chr7	-	91579420	91581093	no
3532	9.1e-05	-3.13	ENSG00000114388	TUSC4	chr3	-	50363010	50363490	no
3532	9.1e-05	-3.49	ENSG00000114388	TUSC4	chr3	-	50359923	50360108	yes,JnId_h_57343
3534	9.14e-05	-2.62	ENSG00000116584	ARHGEF2	chr1	-	154219522	154219615	no
3534	9.14e-05	-4.83	ENSG00000116584	ARHGEF2	chr1	-	154214780	154214942	no
3534	9.14e-05	-3.9	ENSG00000116584	ARHGEF2	chr1	-	154183269	154184430	no
3535	9.26e-05	-3.5	ENSG00000072518	MARK2	chr11	+	63426246	63426378	yes,JnId_h_13993
3535	9.26e-05	-3.92	ENSG00000072518	MARK2	chr11	+	63428034	63428201	"yes,JnId_h_13993;JnId_h_13998"
3536	9.38e-05	-2.15	ENSG00000163510	Q7Z6I0	chr2	-	180543913	180544048	no
3537	9.41e-05	-2.74	ENSG00000186654	ARHGAP8	chr22	+	43476747	43477152	no
3538	9.57e-05	-6.2	ENSG00000196233	LCOR	chr10	+	98704700	98714188	no
3539	9.63e-05	-4.54	ENSG00000095485	CWF19L1	chr10	-	101982040	101983118	no

3540	9.66e-05	-6.61	ENSG00000115271	GCA	chr2	+	162924973	162925875	no	
3541	9.8e-05	-2.06	ENSG00000126243	LRFN3	chr19	+	41127290	41127924	no	
3542	1,00E-04	-2.86	ENSG00000091732	ZC3HC1	chr7	-	129445363	129445808	no	
3543	0.000101	-2.29	ENSG00000030110	BAK1	chr6	-	33648307	33649662	no	
3544	0.000101	-3.13	ENSG00000131269	ABCB7	chrX	-	74210249	74210336	no	
3544	0.000101	-3.59	ENSG00000131269	ABCB7	chrX	-	74189834	74190145	no	
3545	0.000103	-2.23	ENSG00000074181	NOTCH3	chr19	-	15163771	15164109	no	
3545	0.000103	-5.68	ENSG00000074181	NOTCH3	chr19	-	15149336	15149901	no	
3546	0.000103	-3.46	ENSG00000115750	TAF1B	chr2	+	9991363	9991940	no	
3547	0.000104	-2.98	ENSG00000080823	RAGE	chr14	-	101764932	101765456	no	
3548	0.000105	-3.26	ENSG00000186994	ANKRD47	chr19	-	8305384	8306676	no	
3549	0.000106	-3.07	ENSG00000113645	WWC1	chr5	+	167828534	167829334	no	
3550	0.000106	-2.11	ENSG00000164830	OXR1	chr8	+	107832210	107834093	no	
3551	0.000107	-13.48	ENSG00000107130	FREQ	chr9	+	132035090	132039404	no	
3552	0.000107	-3.33	ENSG00000129534	C14orf106	chr14	-	44742144	44743165	no	
3553	0.000107	-3.66	ENSG00000067248	DHX29	chr5	-	54594215	54594517	no	
3554	0.000108	-3.13	ENSG00000149150	SLC43A1	chr11	-	57039493	57039735	no	
3554	0.000108	-2.31	ENSG00000149150	SLC43A1	chr11	-	57011144	57011267	no	
3554	0.000108	-5.78	ENSG00000149150	SLC43A1	chr11	-	57008586	57009291	no	
3555	0.000110	-2.03	ENSG00000104957	CCDC130	chr19	+	13734404	13735046	no	
3556	0.000111	-5.06	ENSG00000151445	C14orf133	chr14	-	76993191	76993697	no	
3557	0.000111	-2.52	ENSG00000127452	FBXL12	chr19	-	9790404	9790755	no	
3558	0.000112	-2.1	ENSG00000158691	ZSCAN12	chr6	-	28454711	28458365	no	
3559	0.000113	-7.82	ENSG00000079462	PAFAH1B3	chr19	-	47498224	47498563	no	
3559	0.000113	-5.77	ENSG00000079462	PAFAH1B3	chr19	-	47493025	47493357	no	
3560	0.000114	-2.11	ENSG00000204220	PFDN6	chr6	+	33366471	33366688	no	
3561	0.000114	-2.78	ENSG00000134313	Q9H9E4	chr2	-	8848641	8848805	no	
3562	0.000114	-2.17	ENSG00000049759	NEDD4L	chr18	+	54214379	54216369	no	
3563	0.000116	-7.95	ENSG00000177663	IL17RA	chr22	+	15945858	15946119	no	
3563	0.000116	-6.44	ENSG00000177663	IL17RA	chr22	+	15969197	15971387	no	
3564	0.000119	-2.21	ENSG00000099949	LZTR1	chr22	+	19666656	19666860	no	
3564	0.000119	-3.77	ENSG00000099949	LZTR1	chr22	+	19671793	19671872	no	
3564	0.000119	-2.3	ENSG00000099949	LZTR1	chr22	+	19675917	19676118	no	
3565	0.000121	-3.27	ENSG00000162493	PDPN	chr1	+	13814987	13817039	no	
3566	0.000124	-2.96	ENSG00000160293	VAV2	chr9	-	135616837	135619052	no	
3567	0.000124	-7.06	ENSG00000115211	EIF2B4	chr2	-	27443445	27443572	no	
3567	0.000124	-8.12	ENSG00000115211	EIF2B4	chr2	-	27443130	27443307	no	
3567	0.000124	-20.24	ENSG00000115211	EIF2B4	chr2	-	27440723	27440970	no	
3568	0.000125	-6.01	ENSG00000069966	GNB5	chr15	-	50200415	50202257	no	
3569	0.000125	-8.73	ENSG00000166855	CLPX	chr15	-	63229837	63230304	no	
3570	0.000125	-5.39	ENSG00000091317	CMTM6	chr3	-	32519104	32519869	no	
3571	0.000127	-2.84	ENSG00000058063	ATP11B	chr3	+	184118505	184122113	no	
3572	0.000127	-5.01	ENSG00000166946	CCNDBP1	chr15	+	41264793	41265097	no	
3572	0.000127	-10.56	ENSG00000166946	CCNDBP1	chr15	+	41274217	41274680	no	
3572	0.000127	-2.96	ENSG00000123737	EXOSC9	chr4	+	122957377	122957626	no	
3574	0.000127	-3.91	ENSG00000185475	Q7Z7N9	chr11	+	62311475	62311575	no	
3575	0.000129	-3.46	ENSG00000172869	DMXL1	chr5	+	118610589	118612721	no	
3576	0.000129	-4.13	ENSG00000070047	K1542_HUMAN	chr11	+	601634	602220	yes,JnId_h_12010	
3577	0.000130	-8.48	ENSG00000144034	TPRKB	chr2	-	73811195	73811371	no	
3578	0.000131	-3.15	ENSG00000119650	C14orf179	chr14	+	75619554	75619842	no	
3579	0.000134	-3.18	ENSG00000091656	ZFHX4	chr8	+	77852999	77853230	no	
3579	0.000134	-7.59	ENSG00000091656	ZFHX4	chr8	+	77925677	77931091	no	
3580	0.000135	-2.51	ENSG00000197879	MYO1C	chr17	-	1334192	1334347	no	
3581	0.000136	-2.24	ENSG00000158769	F11R	chr1	-	159231625	159235320	no	
3582	0.000136	-2.8	ENSG00000143436	MRPL9	chr1	-	150002427	150002664	no	
3583	0.000136	-6.2	ENSG00000128918	ALDH1A2	chr15	-	56145024	56145908	no	
3583	0.000136	-2.03	ENSG00000128918	ALDH1A2	chr15	-	56032920	56034759	no	
3584	0.000137	-5.24	ENSG00000119760	SUPT7L	chr2	-	27737355	27738652	yes,JnId_h_45002	
3584	0.000137	-3.65	ENSG00000119760	SUPT7L	chr2	-	27729423	27730118	no	
3585	0.000139	-2.85	ENSG00000080803	JARID2	chr6	+	15354506	15354794	no	
3586	0.000141	-6.44	ENSG00000089916	C14orf118	chr14	+	75737787	75738887	no	
3587	0.000142	-3.12	ENSG00000165516	KLHDC2	chr14	+	49304076	49305089	no	
3587	0.000142	-2.07	ENSG00000165516	KLHDC2	chr14	+	49318838	49318925	no	
3587	0.000142	-7.2	ENSG00000165516	KLHDC2	chr14	+	49319298	49319605	no	

3588	0.000143	-2.41	ENSG00000110013	SIAE	chr11	-	124013648	124013843	no	
3588	0.000143	-8.33	ENSG00000110013	SIAE	chr11	-	124010904	124012308	no	
3589	0.000144	-3.32	ENSG00000132694	ARHGGEF11	chr1	-	155280715	155281786	no	
3590	0.000144	-2.23	ENSG00000109016	DHRS7B	chr17	+	21034853	21035428	no	
3591	0.000145	-3.25	ENSG00000132510	JMJD3	chr17	+	7691148	7691495	no	
3591	0.000145	-2.2	ENSG00000132510	JMJD3	chr17	+	7691589	7693771	no	
3591	0.000145	-2.62	ENSG00000132510	JMJD3	chr17	+	7697253	7698831	yes	JnId_h_33183
3592	0.000145	-4.81	ENSG00000091490	Q68CR1	chr4	-	25358154	25359284	no	
3593	0.000149	-3.91	ENSG00000133961	NUMB	chr14	-	72946398	72946529	no	
3593	0.000149	-3.69	ENSG00000133961	NUMB	chr14	-	72892087	72892230	no	
3593	0.000149	-2.81	ENSG00000133961	NUMB	chr14	-	72811671	72813754	yes	JnId_b_19311
3594	0.000151	-2.83	ENSG00000137312	FLOT1	chr6	-	30818283	30818443	no	
3595	0.000154	-2.02	ENSG00000167645	YIF1B	chr19	-	43487601	43487987	no	
3596	0.000155	-3.6	ENSG00000126351	THRA	chr17	+	35502799	35503644	no	
3597	0.000156	-2.97	ENSG00000147065	MSN	chrX	+	64869771	64869867	yes	JnId_b_65340
3598	0.000156	-9.97	ENSG00000173914	RBM4B	chr11	-	66189048	66189625	no	
3599	0.000158	-4.3	ENSG00000063660	GPC1	chr2	+	241023788	241024174	no	
3600	0.000159	-3.02	ENSG00000141385	AFG3L2	chr18	-	12366968	12367194	no	
3600	0.000159	-2.05	ENSG00000141385	AFG3L2	chr18	-	12361591	12361690	no	
3600	0.000159	-3.4	ENSG00000141385	AFG3L2	chr18	-	12319108	12319782	no	
3601	0.000162	-3.35	ENSG00000165238	WNK2	chr9	+	94987019	94987713	no	
3601	0.000162	-5.05	ENSG00000165238	WNK2	chr9	+	95119976	95121307	no	
3602	0.000163	-3.93	ENSG00000074755	ZZEF1	chr17	-	3992585	3993063	no	
3602	0.000163	-2.37	ENSG00000074755	ZZEF1	chr17	-	3945874	3946022	yes	JnId_b_26082
3602	0.000163	-2.53	ENSG00000074755	ZZEF1	chr17	-	3920727	3920967	yes	JnId_b_26082
3603	0.000166	-3.04	ENSG00000161011	SQSTM1	chr5	+	179180503	179180747	yes	JnId_h_66690
3604	0.000167	-5.1	ENSG00000111912	NCOA7	chr6	+	126291475	126293950	no	
3605	0.000169	-4.23	ENSG00000198947	DMD	chrX	-	31047257	31049968	no	
3606	0.000169	-2.95	ENSG00000132964	CDK8	chr13	+	25876093	25877375	no	
3606	0.000169	-2.49	ENSG00000159113	IL10RB	chr21	+	33590359	33591409	no	
3608	0.000172	-2.91	ENSG00000106537	TSPAN13	chr7	+	16759853	16760180	no	
3608	0.000172	-3.44	ENSG00000106537	TSPAN13	chr7	+	16789567	16790630	no	
3609	0.000173	-2.09	ENSG00000064666	CNN2	chr19	+	988624	990060	no	
3610	0.000173	-7.13	ENSG00000048649	RSF1	chr11	-	77209222	77209528	no	
3610	0.000173	-3.16	ENSG00000048649	RSF1	chr11	-	77054923	77056184	no	
3611	0.000174	-2.65	ENSG00000165525	SDCCAG1	chr14	-	49336888	49337987	no	
3611	0.000174	-2.92	ENSG00000165525	SDCCAG1	chr14	-	49320283	49321181	no	
3612	0.000177	-4.52	ENSG00000138081	FBXO11	chr2	-	47887565	47888890	no	
3613	0.000178	-2.44	ENSG00000168938	PPIC	chr5	-	122386979	122387597	no	
3614	0.000181	-3.32	ENSG00000159842	ABR	chr17	-	1029711	1029881	yes	JnId_b_25844
3615	0.000182	-2.2	ENSG00000153310	FAM49B	chr8	-	130922903	130923633	no	
3616	0.000184	-7.72	ENSG00000154447	SH3RF1	chr4	-	170251985	170254413	no	
3617	0.000186	-2.44	ENSG00000111875	ASF1A	chr6	+	119270266	119272105	no	
3618	0.000189	-2.94	ENSG00000087095	NLK	chr17	+	23545735	23547529	no	
3619	0.000189	-5.69	ENSG00000121104	FAM117A	chr17	-	45196253	45196518	no	
3620	0.000195	-3.72	ENSG00000186625	KATNA1	chr6	-	149957702	149958063	no	
3621	0.000196	-2.87	ENSG00000100325	ASCC2	chr22	-	28548324	28548453	yes	JnId_h_53963
3621	0.000196	-2.5	ENSG00000100325	ASCC2	chr22	-	28541995	28542062	yes	JnId_h_53960
3621	0.000196	-2.59	ENSG00000100325	ASCC2	chr22	-	28534100	28534174	yes	JnId_h_53960
3622	0.000196	-2.35	ENSG00000153574	RPIA	chr2	+	88772314	88772616	no	
3622	0.000196	-2.48	ENSG00000153574	RPIA	chr2	+	88830613	88831566	no	
3623	0.000203	-2.34	ENSG00000179094	PER1	chr17	-	7984534	7985383	no	
3624	0.000204	-2.32	ENSG00000064651	SLC12A2	chr5	+	127447382	127448301	no	
3624	0.000204	-4.73	ENSG00000064651	SLC12A2	chr5	+	127550087	127553278	no	
3625	0.000206	-6.96	ENSG00000003402	CFLAR	chr2	+	201709166	201712845	yes	JnId_b_39200
3626	0.000206	-2.06	ENSG00000141084	RANBP10	chr16	-	66397706	66398056	no	
3627	0.000207	-2.54	ENSG00000164151	Q9Y2F5	chr5	+	5475807	5476112	no	
3627	0.000207	-2.37	ENSG00000164151	Q9Y2F5	chr5	+	5542262	5543305	no	
3628	0.000209	-4.01	ENSG00000103381	Q9BRF8	chr16	-	12664438	12666473	no	
3629	0.000211	-2.38	ENSG00000198373	WWP2	chr16	+	68531245	68533144	no	
3630	0.000213	-2.07	ENSG00000111203	ITFG2	chr12	+	2803517	2804367	no	
3631	0.000213	-6.92	ENSG00000171570	EGLN2	chr19	+	46005554	46006176	no	
3632	0.000215	-2.02	ENSG00000104299	INT9_HUMAN	chr8	-	28772872	28772999	no	
3632	0.000215	-4.54	ENSG00000104299	INT9_HUMAN	chr8	-	28681099	28681758	yes	JnId_b_59993

3633	0.000215	-2.12	ENSG00000114904	NEK4	chr3	-	52779710	52779995	no
3633	0.000215	-2.12	ENSG00000114904	NEK4	chr3	-	52774943	52775050	no
3633	0.000215	-2.72	ENSG00000114904	NEK4	chr3	-	52748485	52748690	no
3634	0.000219	-4.29	ENSG00000115368	WDR75	chr2	+	190048184	190048509	no
3635	0.000222	-2.05	ENSG00000114023	C3orf28	chr3	+	123611391	123611651	no
3636	0.000223	-2.92	ENSG00000198399	ITSN2	chr2	-	24279237	24280156	no
3637	0.000226	-3.96	ENSG00000070882	OSBPL3	chr7	-	24986030	24986285	no
3637	0.000226	-5.26	ENSG00000070882	OSBPL3	chr7	-	24802691	24806423	no
3638	0.000233	-3.5	ENSG00000136045	PWP1	chr12	+	106617280	106617341	no
3638	0.000233	-2.96	ENSG00000136045	PWP1	chr12	+	106630018	106630387	no
3639	0.000233	-2.39	ENSG00000145725	HISPPD1	chr5	+	102531675	102531898	no
3639	0.000233	-3.81	ENSG00000145725	HISPPD1	chr5	+	102565122	102566806	no
3640	0.000234	-2.12	ENSG00000108578	BLMH	chr17	-	25636532	25636624	no
3641	0.000234	-3.2	ENSG00000103932	RPAP1	chr15	-	39596669	39597181	no
3642	0.000237	-8.36	ENSG00000182858	ALG12	chr22	-	48697915	48698110	no
3642	0.000237	-2.9	ENSG00000182858	ALG12	chr22	-	48693256	48693495	no
3642	0.000237	-3.36	ENSG00000182858	ALG12	chr22	-	48682862	48683718	no
3643	0.000238	-2.29	ENSG00000184481	MLLT7	chrX	+	70238652	70240110	no
3644	0.000238	-3.68	ENSG00000068394	GPKOW	chrX	-	48857278	48857637	no
3645	0.000239	-4.71	ENSG00000126858	RHOT1	chr17	+	27575748	27576899	no
3646	0.000240	-3.51	ENSG00000023697	DERA	chr12	+	15955373	15955615	no
3646	0.000240	-2.76	ENSG00000023697	DERA	chr12	+	16080891	16081476	no
3647	0.000246	-2.57	ENSG00000099795	NDUFB7	chr19	-	14537892	14538077	no
3648	0.000248	-2.15	ENSG00000197818	SLC9A8	chr20	+	47937773	47942179	no
3649	0.000253	-2.3	ENSG00000158296	SLC13A3	chr20	-	44619870	44622244	no
3650	0.000255	-3.32	ENSG00000171320	ESCO2	chr8	+	27716742	27718661	no
3651	0.000259	-2.31	ENSG00000148356	LRSAM1	chr9	+	129253605	129254184	yes,JnId_h_79109
3652	0.000261	-3.25	ENSG00000186106	ANKRD46	chr8	-	101602178	101604175	no
3653	0.000263	-2.74	ENSG00000114127	XRN1	chr3	-	143508143	143513345	no
3654	0.000268	-4.24	ENSG00000167315	ACAA2	chr18	-	45563873	45564299	no
3655	0.000268	-2.26	ENSG00000134574	DDB2	chr11	+	47216927	47217339	no
3656	0.000272	-5.59	ENSG00000163870	GPR175	chr3	-	128774679	128775321	no
3657	0.000275	-3.22	ENSG00000185414	MRPL30	chr2	+	99178011	99178168	no
3658	0.000275	-2.69	ENSG00000120697	ALG5	chr13	-	36421967	36422194	no
3659	0.000278	-3.02	ENSG00000135903	PAX3	chr2	-	222772851	222774405	no
3660	0.000279	-2.03	ENSG00000103335	FAM38A	chr16	-	87327497	87327654	no
3660	0.000279	-2.1	ENSG00000103335	FAM38A	chr16	-	87317780	87317880	no
3660	0.000279	-2.04	ENSG00000103335	FAM38A	chr16	-	87310468	87310640	no
3660	0.000279	-2.31	ENSG00000103335	FAM38A	chr16	-	87309842	87310028	no
3660	0.000279	-2.13	ENSG00000103335	FAM38A	chr16	-	87309256	87309763	no
3661	0.000284	-2.53	ENSG00000109466	KLHL2	chr4	+	166462634	166463748	no
3662	0.000285	-3.66	ENSG00000105669	COPE	chr19	-	18891032	18891206	no
3662	0.000285	-3.93	ENSG00000105669	COPE	chr19	-	18884793	18884855	no
3662	0.000285	-3	ENSG00000105669	COPE	chr19	-	18871323	18871535	yes,JnId_b_33276
3663	0.000285	-4.26	ENSG00000164164	OTUD4	chr4	-	146299740	146300237	no
3664	0.000293	-3.09	ENSG00000128656	CHN1	chr2	-	175577868	175578361	yes,JnId_h_48227
3665	0.000293	-4.36	ENSG00000124172	ATP5E	chr20	-	57037129	57037291	no
3666	0.000293	-2.09	ENSG00000109670	FBXW7	chr4	-	153493072	153493428	yes,JnId_h_62890
3667	0.000298	-2.05	ENSG00000169764	UGP2	chr2	+	63966979	63967176	no
3667	0.000298	-2.83	ENSG00000169764	UGP2	chr2	+	63971758	63972196	no
3668	3,00E-04	-7.48	ENSG00000100242	UNC84B	chr22	-	37481714	37481928	no
3668	3,00E-04	-3.04	ENSG00000100242	UNC84B	chr22	-	37476176	37476271	no
3669	0.000301	-3.62	ENSG00000161714	PLCD3	chr17	-	40565141	40565407	no
3669	0.000301	-2.9	ENSG00000161714	PLCD3	chr17	-	40544544	40544821	no
3670	0.000304	-6.1	ENSG00000187672	ERC2	chr3	-	55517376	55520344	no
3671	0.000307	-2.2	ENSG00000131652	THOC6	chr16	+	3017579 3017756	yes,JnId_h_29089	
3672	0.000308	-15.16	ENSG00000181026	ISG20L1	chr15	+	86974293	86976516	no
3673	0.000316	-3.46	ENSG00000125875	TBC1D20	chr20	-	364124 364830	no	
3674	0.000327	-6.27	ENSG00000104886	PLEKHJ1	chr19	-	2184155 2184904	no	
3675	0.000328	-2.16	ENSG00000142731	PLK4	chr4	+	129039044	129039377	no
3676	0.000329	-2.58	ENSG00000092847	EIF2C1	chr1	+	36131285	36131466	yes,JnId_h_2232
3676	0.000329	-4.23	ENSG00000092847	EIF2C1	chr1	+	36157687	36162487	no
3677	0.000332	-53.68	ENSG00000163026	C2orf44	chr2	-	24105714	24107536	no
3678	0.000333	-2.27	ENSG00000176876	PXMP2	chr12	+	131774265	131774451	no

3679	0.000334	-3.81	ENSG00000113593	PPWD1	chr5	+	64918836	64919124	no	
3680	0.000339	-6.77	ENSG00000141582	CBX4	chr17	-	75427577	75427808	no	
3681	0.000342	-2.53	ENSG00000140688	C16orf58	chr16	-	31410831	31410908	no	
3682	0.000342	-7.15	ENSG00000100422	CERK	chr22	-	45512568	45512816	no	
3683	0.000342	-10.01	ENSG00000158828	PINK1	chr1	+	20832535	20833015	no	
3684	0.000344	-2.38	ENSG00000105875	Q9H9B6	chr7	-	134528523	134528691	no	
3684	0.000344	-3.09	ENSG00000105875	Q9H9B6	chr7	-	134522264	134522461	no	
3684	0.000344	-3.51	ENSG00000105875	Q9H9B6	chr7	-	134520525	134521607	no	
3685	0.000348	-2.6	ENSG00000117640	FAM54B	chr1	+	26030999	26032016	no	
3685	0.000348	-7.71	ENSG00000066629	EML1	chr14	+	99476077	99478146	no	
3687	0.000351	-3.8	ENSG00000100335	SMCR7L	chr22	+	38228230	38228388	no	
3688	0.000352	-3.52	ENSG00000198265	HELZ	chr17	-	62504528	62505164	no	
3689	0.000356	-2.88	ENSG00000122390	Q6IA31	chr16	+	3472503	3472599	no	
3690	0.000357	-2.11	ENSG00000196730	DAPK1	chr9	+	89302616	89302842	no	
3691	0.000359	-2.85	ENSG00000092094	OSGEP	chr14	-	19985056	19985278	no	
3692	0.00036	-3.14	ENSG00000158863	RAI16	chr8	+	22016249	22017835	no	
3693	0.000361	-3.75	ENSG00000138346	DNA2L	chr10	-	69843828	69844868	no	
3694	0.000361	-2.67	ENSG00000079931	MOXD1	chr6	-	132737463	132737897	no	
3695	0.000364	-2.69	ENSG00000068097	Q6MZY2	chr17	-	55504358	55504472	no	
3695	0.000364	-3	ENSG00000068097	Q6MZY2	chr17	-	55478168	55478372	no	
3696	0.000365	-5.51	ENSG00000156958	GALK2	chr15	+	47407441	47409294	no	
3697	0.000369	-2.36	ENSG00000171132	PRKCE	chr2	+	45732547	45733091	no	
3697	0.000369	-2.71	ENSG00000171132	PRKCE	chr2	+	46265378	46268632	no	
3698	0.000371	-4.04	ENSG00000180902	D2HGDH	chr2	+	242330523	242330679	no	
3698	0.000371	-8.48	ENSG00000180902	D2HGDH	chr2	+	242355798	242356897	no	
3699	0.000375	-3.64	ENSG00000160469	BRSK1	chr19	+	60515091	60515713	no	
3700	0.000382	-2.05	ENSG00000143702	CEP170	chr1	-	241354353	241356663	no	
3701	0.000385	-3.46	ENSG00000160050	CCDC28B	chr1	+	32442786	32443575	yes	JnId_h_2019
3702	0.000387	-2.25	ENSG00000025293	PHF20	chr20	+	33920774	33920887	no	
3703	0.000388	-5.1	ENSG00000064199	SPA17	chr11	+	124069409	124069895	no	
3704	0.000388	-2.06	ENSG00000020426	MNAT1	chr14	+	60504700	60505149	yes	JnId_b_18983
3705	0.000389	-6.86	ENSG00000099958	DERL3	chr22	-	22509056	22509149	yes	JnId_h_53658
3705	0.000389	-3.28	ENSG00000099958	DERL3	chr22	-	22507014	22507119	no	
3706	0.00039	-2.47	ENSG00000138641	HERC3	chr4	+	89846926	89848709	no	
3706	0.00039	-4.18	ENSG00000162441	LZIC	chr1	-	9911584	9913102	no	
3708	0.00039	-14.76	ENSG00000197223	Q13901	chr2	-	68122844	68123689	no	
3709	0.000392	-3.2	ENSG00000143258	USP21	chr1	+	159395893	159396092	no	
3709	0.000392	-2.36	ENSG00000143258	USP21	chr1	+	159400948	159401026	no	
3710	0.000392	-3.47	ENSG00000167972	ABCA3	chr16	-	2287768	2287923	no	
3710	0.000392	-3.04	ENSG00000167972	ABCA3	chr16	-	2265886	2266807	no	
3711	0.000393	-3.55	ENSG00000101216	GMEB2	chr20	-	61721064	61721673	no	
3712	0.000405	-6.8	ENSG00000136002	ARHGEF4	chr2	+	131390694	131391104	no	
3712	0.000405	-4.48	ENSG00000136002	ARHGEF4	chr2	+	131520081	131521306	no	
3713	0.000421	-3.68	ENSG00000148384	INPP5E	chr9	-	138452881	138454095	no	
3713	0.000421	-2.99	ENSG00000148384	INPP5E	chr9	-	138442892	138444080	no	
3714	0.000427	-4.48	ENSG00000121691	CAT	chr11	+	34427315	34427486	no	
3714	0.000427	-9.05	ENSG00000121691	CAT	chr11	+	34449491	34450176	no	
3715	0.000434	-2.74	ENSG00000170325	PRDM10	chr11	-	129274817	129277621	no	
3716	0.000435	-2.1	ENSG00000185418	TARSL2	chr15	-	100041801	100041963	no	
3716	0.000435	-3.01	ENSG00000185418	TARSL2	chr15	-	100011479	100012456	no	
3717	0.000437	-2.94	ENSG00000165630	PRPF18	chr10	+	13698404	13698559	no	
3717	0.000437	-7.35	ENSG00000165630	PRPF18	chr10	+	13712266	13712874	no	
3718	0.000437	-3.82	ENSG00000146476	C6orf211	chr6	+	151815115	151815414	no	
3718	0.000437	-2.01	ENSG00000146476	C6orf211	chr6	+	151831171	151832929	no	
3719	0.000438	-2.28	ENSG00000168487	BMP1	chr8	+	22125052	22125784	no	
3720	0.000453	-2.55	ENSG00000021826	CPS1	chr2	+	211250856	211252074	no	
3721	0.000455	-2.33	ENSG00000118655	DCLRE1B	chr1	+	114255276	114258231	no	
3722	0.000457	-3.08	ENSG00000133315	LRP16_HUMAN	chr11	-	63522607	63522735	no	
3723	0.000458	-6.03	ENSG00000198924	DCLRE1A	chr10	-	115584474	115585061	no	
3724	0.000463	-3.78	ENSG00000101882	A0PJ73	chrX	-	118943046	118943385	no	
3725	0.000466	-7.92	ENSG00000115073	ACTR1B	chr2	-	97646738	97646893	yes	JnId_b_37800
3726	0.000468	-2.48	ENSG00000132323	ILKAP	chr2	-	238755445	238755566	no	
3726	0.000468	-4.7	ENSG00000132323	ILKAP	chr2	-	238743783	238744056	no	
3727	0.000483	-2.23	ENSG00000125753	VASP	chr19	+	50721238	50722076	no	

3727	0.000483	-2.78	ENSG00000170876	TMEM43	chr3	+	14141546	14141706	no	
3727	0.000483	-2.64	ENSG00000170876	TMEM43	chr3	+	14158094	14160178	no	
3729	0.000485	-2.66	ENSG00000104859	SFRS16	chr19	+	50265901	50266054	no	
3730	0.000493	-5.05	ENSG00000094975	Clorf9	chr1	+	170837827	170837981	no	
3730	0.000493	-4.51	ENSG00000094975	Clorf9	chr1	+	170845579	170847594	no	
3731	0.000494	-4.08	ENSG00000095321	CRAT	chr9	-	130912583	130912904	no	
3731	0.000494	-3.8	ENSG00000095321	CRAT	chr9	-	130896894	130897712	no	
3732	0.000494	-3.23	ENSG00000113318	MSH3	chr5	+	80207326	80208387	no	
3733	0.000495	-36.49	ENSG00000152240	CCDC5	chr18	+	41939158	41939332	no	
3734	0.000498	-4.89	ENSG00000157152	SYN2	chr3	+	12206990	12207907	no	
3735	0.000499	-3.34	ENSG00000086827	ZW10	chr11	-	113109123	113109746	no	
3736	0.000499	-4.32	ENSG00000110888	CAPRIN2	chr12	-	30797545	30798715	no	
3736	0.000499	-6.08	ENSG00000110888	CAPRIN2	chr12	-	30753755	30754671	no	
3737	0.000501	-3.75	ENSG00000110011	DNAJC4	chr11	+	63754480	63754988	no	
3737	0.000501	-7.82	ENSG00000110011	DNAJC4	chr11	+	63758121	63758326	no	
3738	0.000503	-2.15	ENSG00000136643	RPS6KC1	chr1	+	211512490	211514739	no	
3739	0.000508	-4.68	ENSG00000172728	FUT10	chr8	-	33347884	33349864	no	
3739	0.000508	-3.49	ENSG00000105426	PTPRS	chr19	-	5237061	5237399	no	
3739	0.000508	-2	ENSG00000105426	PTPRS	chr19	-	5189930	5190074	no	
3741	0.000508	-4.06	ENSG00000198088	NUP62CL	chrX	-	106253313	106254218	no	
3742	0.000517	-2.66	ENSG00000131467	PSME3	chr17	+	38244235	38244342	yes	JnId_h_35211
3743	0.00052	-14.66	ENSG00000165322	ARHGAP12	chr10	-	32134371	32136766	no	
3744	0.000531	-3.01	ENSG00000113716	Q562E5	chr5	+	149364607	149364745	no	
3745	0.000535	-6.29	ENSG00000065970	FOXJ2	chr12	+	8076626	8077696	no	
3745	0.000535	-2.06	ENSG00000065970	FOXJ2	chr12	+	8091745	8092152	no	
3745	0.000535	-8.07	ENSG00000065970	FOXJ2	chr12	+	8096625	8099384	no	
3746	0.000536	-2.16	ENSG00000090565	RAB11FIP3	chr16	+	415669	416721	no	
3747	0.000541	-4.88	ENSG00000173581	CCDC106	chr19	+	60851213	60851455	no	
3748	0.000541	-3.42	ENSG00000102595	UGCG2	chr13	-	95327157	95328111	yes	JnId_h_22287
3749	0.000543	-2.61	ENSG00000159082	SYNJ1	chr21	-	32922944	32925982	no	
3750	0.000549	-2.07	ENSG00000051825	MPHOSPH9	chr12	-	122253614	122253875	yes	JnId_b_16289
3750	0.000549	-2.83	ENSG00000051825	MPHOSPH9	chr12	-	122244886	122245101	no	
3750	0.000549	-4.21	ENSG00000051825	MPHOSPH9	chr12	-	122206901	122207408	no	
3751	0.000552	-3.26	ENSG00000068784	SRBD1	chr2	-	45469323	45470242	no	
3752	0.000554	-2.68	ENSG00000144724	PTPRG	chr3	+	62253876	62255613	no	
3753	0.000559	-6.53	ENSG00000145335	SNCA	chr4	-	90866479	90866834	no	
3754	0.000561	-2.58	ENSG00000141446	ESCO1	chr18	-	17434582	17434843	no	
3754	0.000561	-2.56	ENSG00000141446	ESCO1	chr18	-	17363262	17364449	no	
3755	0.000576	-2.41	ENSG00000169696	ASPSCR1	chr17	+	77528715	77528913	no	
3756	0.000579	-4.41	ENSG00000115486	GGCX	chr2	-	85632446	85632615	no	
3756	0.000579	-7.11	ENSG00000115486	GGCX	chr2	-	85629718	85630760	no	
3757	0.000582	-2.16	ENSG00000054611	TBC1D22A	chr22	+	45537193	45537409	no	
3757	0.000582	-2.65	ENSG00000054611	TBC1D22A	chr22	+	45947805	45948393	no	
3758	0.000587	-2.35	ENSG00000144161	ZC3H8	chr2	-	112689913	112690516	no	
3759	0.000592	-4.84	ENSG00000129925	TMEM8	chr16	-	371702	371908	no	
3760	0.000595	-8.53	ENSG00000183617	MRPL54	chr19	+	3718259	3718562	no	
3761	6,00E-04	-2.5	ENSG00000124588	NQO2	chr6	+	2945116	2945318	no	
3762	6,00E-04	-3.41	ENSG00000167264	DUS2L	chr16	+	66670153	66670727	no	
3763	6,00E-04	-4.57	ENSG00000156239	N6AMT1	chr21	-	29166400	29166932	no	
3764	0.000617	-7.83	ENSG00000099250	NRP1	chr10	-	33529952	33531929	no	
3765	0.000619	-2.36	ENSG00000128573	FOXP2	chr7	+	114055831	114056266	yes	JnId_h_73202
3766	0.000626	-2.49	ENSG00000196208	O60321	chr2	+	11697868	11700363	no	
3767	0.000633	-7	ENSG00000132600	PRMT7	chr16	+	66906803	66907478	no	
3767	0.000633	-2.79	ENSG00000132600	PRMT7	chr16	+	66939746	66939835	no	
3767	0.000633	-3.41	ENSG00000132600	PRMT7	chr16	+	66948105	66948201	no	
3767	0.000633	-4.25	ENSG00000132600	PRMT7	chr16	+	66948458	66948663	no	
3768	0.00064	-6.4	ENSG00000111845	PAK1IP1	chr6	+	10802914	10803288	no	
3768	0.00064	-4.18	ENSG00000111845	PAK1IP1	chr6	+	10812726	10812871	no	
3768	0.00064	-8.42	ENSG00000111845	PAK1IP1	chr6	+	10817457	10818001	no	
3769	0.000643	-2.6	ENSG00000198089	SFI1	chr22	+	30222261	30222623	no	
3769	0.000643	-2.26	ENSG00000198089	SFI1	chr22	+	30344300	30344535	no	
3770	0.000645	-3.14	ENSG00000078674	PCM1	chr8	+	17857259	17857682	no	
3770	0.000645	-2.5	ENSG00000078674	PCM1	chr8	+	17882380	17882544	yes	JnId_h_74502
3771	0.000651	-3.35	ENSG00000100429	HDAC10	chr22	-	49031530	49031941	no	

3772	0.000651	-2.49	ENSG00000070366	SMG6	chr17	-	2153677	2153815	no		
3773	0.000661	-5.29	ENSG00000091136	LAMB1	chr7	-	107430792		107431040	no	
3773	0.000661	-2.84	ENSG00000091136	LAMB1	chr7	-	107359037		107359181	no	
3774	0.000667	-3.57	ENSG00000118482	PHF3	chr6	+	64403700		64404014	no	
3774	0.000667	-2.16	ENSG00000118482	PHF3	chr6	+	64414391		64414659	yes,JnId_h_68848	
3775	0.000671	-2.74	ENSG00000184428	TOP1MT	chr8	-	144488285		144488425	no	
3775	0.000671	-3.73	ENSG00000184428	TOP1MT	chr8	-	144462910		144463088	no	
3776	0.000675	-2.46	ENSG00000102125	TAZ	chrX	+	153293071		153293537	no	
3776	0.000675	-2.3	ENSG00000102125	TAZ	chrX	+	153301565		153301797	"yes,JnId_h_83086;JnId_h_83085"	
3777	0.000678	-2.17	ENSG00000196792	STRN3	chr14	-	30564861		30565340	no	
3777	0.000678	-2.54	ENSG00000196792	STRN3	chr14	-	30432761		30434537	no	
3778	0.000679	-2.71	ENSG00000130856	ZNF236	chr18	+	72760720		72761002	no	
3778	0.000679	-7.25	ENSG00000130856	ZNF236	chr18	+	72809159		72811668	no	
3778	0.000679	-2.75	ENSG00000085760	MTIF2	chr2	-	55323580		55323720	no	
3778	0.000679	-2.62	ENSG00000085760	MTIF2	chr2	-	55317928		55318068	no	
3778	0.000679	-4.06	ENSG00000085760	MTIF2	chr2	-	55317288		55317460	no	
3780	0.000687	-3.59	ENSG00000137944	CCBL2	chr1	-	89217727		89222337	yes,JnId_h_4145	
3780	0.000687	-2.21	ENSG00000137944	CCBL2	chr1	-	89206941		89207085	no	
3780	0.000687	-3.25	ENSG00000137944	CCBL2	chr1	-	89174044		89174516	no	
3781	0.000689	-6.02	ENSG00000198960	ARMCX6	chrX	-	100756766		100758412	yes,JnId_h_82014	
3782	0.000689	-2.7	ENSG00000125457	MIF4GD	chr17	-	70777790		70777921	no	
3783	0.000692	-7.42	ENSG00000124357	NAGK	chr2	+	71148955		71149350	no	
3784	0.00071	-2.81	ENSG00000169756	LIMS1	chr2	+	108666773	108667319		no	
3785	0.000715	-6.87	ENSG00000106682	EIF4H	chr7	+	73242513		73242572	no	
3786	0.00073	-6.36	ENSG00000120725	SIL1	chr5	-	138310342	138311061		no	
3787	0.00073	-2.4	ENSG00000134698	EIF2C4	chr1	+	36091685	36096078		no	
3788	0.000732	-2.19	ENSG00000180376	CCDC66	chr3	+	56575662		56575827	yes,JnId_h_57830	
3788	0.000732	-2.3	ENSG00000180376	CCDC66	chr3	+	56628339		56628595	no	
3789	0.000736	-3.4	ENSG00000178209	PLEC1	chr8	-	145073566		145073922	no	
3789	0.000736	-2.1	ENSG00000178209	PLEC1	chr8	-	145068660		145072040	no	
3790	0.00074	-7.28	ENSG00000122707	RECK	chr9	+	36075172	36076181		no	
3790	0.00074	-8.37	ENSG00000122707	RECK	chr9	+	36112821	36114448		no	
3791	0.000744	-8.46	ENSG00000108506	INTS2	chr17	-	57297517		57299869	no	
3792	0.000754	-5.72	ENSG00000133114	KIAA1704		chr13	+	44499920	44500405	no	
3793	0.000766	-2.08	ENSG00000166483	WEE1	chr11	+	9552057	9552632		no	
3794	0.00078	-2.59	ENSG00000105520	Q9H929	chr19	+	11336023	11337372		no	
3795	0.000784	-7.09	ENSG00000180901	KCTD2	chr17	+	70554876		70555279	no	
3796	0.000788	-2.17	ENSG00000164070	HSPA4L	chr4	+	128948601		128948734	no	
3796	0.000788	-3.22	ENSG00000164070	HSPA4L	chr4	+	128973288		128973974	no	
3797	0.000788	-4.24	ENSG00000120314	WDR55	chr5	+	140031038		140032113	no	
3798	0.000792	-4.98	ENSG00000172071	EIF2AK3	chr2	-	88637376		88638569	no	
3799	8,00E-04	-4.63	ENSG00000184967	NOC4L	chr12	+	131194946		131195103	no	
3799	8,00E-04	-5.16	ENSG00000184967	NOC4L	chr12	+	131202780		131202939	no	
3800	0.000802	-4.24	ENSG00000169851	PCDH7	chr4	+	30753193		30753569	no	
3801	0.000816	-3.87	ENSG00000109445	ZNF330	chr4	+	142370770		142370874	no	
3801	0.000816	-11.96	ENSG00000109445	ZNF330	chr4	+	142374319		142375298	no	
3802	0.000818	-2.67	ENSG00000182400	TRAPPC6B		chr14	-	38686770	38689336	no	
3803	0.000827	-2.6	ENSG00000124299	PEPD	chr19	-	38569705		38570227	no	
3804	0.000827	-4.29	ENSG00000133027	PEMT	chr17	-	17435570		17435719	yes,JnId_h_33623	
3804	0.000827	-2.56	ENSG00000133027	PEMT	chr17	-	17350266		17350340	no	
3805	0.000831	-6.82	ENSG00000131470	PSMC3IP	chr17	-	37983197		37983375	no	
3806	0.000835	-4.05	ENSG00000122729	ACO1	chr9	+	32439996		32440834	no	
3807	0.000839	-13.57	ENSG00000065057	NTHL1	chr16	-	2029817	2030049		no	
3808	0.00085	-2.29	ENSG00000151500	THYN1	chr11	-	133627944	133628470		yes,JnId_h_16604	
3808	0.00085	-2.24	ENSG00000151500	THYN1	chr11	-	133623913	133624063		no	
3808	0.00085	-2.66	ENSG00000151500	THYN1	chr11	-	133623383	133623588		no	
3809	0.000854	-2.07	ENSG00000043822	Q9BTU6	chr10	+	99390433		99390924	no	
3810	0.000855	-3.85	ENSG00000170293	CMTM8	chr3	+	32386380		32386815	no	
3811	0.000856	-4.98	ENSG00000166685	COG1	chr17	+	68700668		68701118	no	
3812	0.000858	-3.17	ENSG00000132386	SERPINF1		chr17	+	1625102	1625244	no	
3813	0.000866	-6.09	ENSG00000163001	CCDC104	chr2	+	55625547		55625718	no	
3814	0.000875	-2.73	ENSG00000177542	SLC25A22		chr11	-	784987	785169	no	
3815	0.000876	-2.57	ENSG00000165644	COMTD1	chr10	-	76665599		76665775	yes,JnId_b_7486	
3816	0.000878	-2.24	ENSG00000119906	C10orf6	chr10	+	102711624		102714879	no	

3817	0.000882	-2.47	ENSG00000092853	CLSPN	chr1	-	35986593	35986792	no
3817	0.000882	-4.26	ENSG00000092853	CLSPN	chr1	-	35974405	35974794	no
3818	0.00089	-3.61	ENSG00000025770	NCAPH2	chr22	+	49306260	49306331	no
3819	0.00089	-5.47	ENSG00000160410	SHKBP1	chr19	+	45774598	45774731	no
3820	0.000892	-2.89	ENSG00000149679	CABLES2	chr20	-	60397087	60399562	no
3821	0.000894	-2.32	ENSG00000171680	PLEKHG5	chr1	-	6450472	6451233	no
3821	0.000894	-5.57	ENSG00000171680	PLEKHG5	chr1	-	6448716	6450219	no
3822	9,00E-04	-2.28	ENSG00000100418	Q6ICB0	chr22	-	40326825	40327140	no
3823	0.000904	-3.8	ENSG00000125826	RBCK1	chr20	+	347991	348112	no
3823	0.000904	-2.19	ENSG00000125826	RBCK1	chr20	+	350771	350882	yes,JnId_b_40149
3823	0.000904	-2.36	ENSG00000125826	RBCK1	chr20	+	358994	359610	no
3824	0.00091	-3	ENSG00000142856	ITGB3BP	chr1	-	63761388	63761761	no
3824	0.00091	-2.08	ENSG00000142856	ITGB3BP	chr1	-	63692639	63692732	no
3824	0.00091	-2.07	ENSG00000142856	ITGB3BP	chr1	-	63679032	63679362	no
3825	0.000915	-6.85	ENSG00000159256	MORC3	chr21	+	36669311	36670813	no
3826	0.00092	-6.34	ENSG00000130706	ADRM1	chr20	+	60311422	60311500	yes,JnId_b_41737
3826	0.00092	-2.62	ENSG00000130706	ADRM1	chr20	+	60312019	60312232	yes,JnId_h_51922
3827	0.00094	-3.27	ENSG00000155893	ACPL2	chr3	+	142493800	142496435	no
3828	0.00094	-2.65	ENSG00000165752	STK32C	chr10	-	133888727	133889110	yes,JnId_h_11847
3829	0.000942	-4.96	ENSG00000145391	SETD7	chr4	-	140696702	140697027	no
3830	0.000956	-2.43	ENSG00000163719	MTMR14	chr3	+	9666146	9666426	yes,JnId_h_55471
3831	0.000957	-3.2	ENSG0000009780	FAM76A	chr1	+	27959593	27962220	no
3832	0.000963	-36.64	ENSG00000128283	CDC42EP1	chr22	+	36286446	36286541	no
3833	0.000967	-2.09	ENSG00000130779	CLIP1	chr12	-	121321934	121323600	no
3834	0.000975	-5.69	ENSG00000133138	TBC1D8B	chrX	+	106003456	106006031	no
3835	0.000979	-2.77	ENSG0000008853	RHOBTB2	chr8	+	22930710	22933657	no
3836	0.00098	-131.11	ENSG00000125459	MSTO1	chr1	+	153850474	153851381	no
3837	0.00099	-2.86	ENSG00000144283	PKP4	chr2	+	159222889	159223072	no
3838	0.00099	-2.2	ENSG00000204592	HLA-E	chr6	+	30568505	30569950	no
3839	0.000998	-4.88	ENSG00000066777	ARFGEF1	chr8	-	68272451	68273887	no
3840	0.00100	-3.67	ENSG00000197324	LRP10	chr14	+	22410800	22411386	no
3841	0.00101	-3.44	ENSG00000112282	CRSP3	chr6	-	131949566	131950679	no
3842	0.00102	-2.26	ENSG00000109089	CDR2L	chr17	+	70495322	70495812	no
3843	0.00102	-2.9	ENSG00000064102	C12orf11	chr12	-	26981996	26982210	no
3844	0.00102	-3.31	ENSG00000165494	PCF11	chr11	+	82573369	82574481	no
3845	0.00102	-2.65	ENSG00000174915	PTDSS2	chr11	+	463895	463977	no
3846	0.00103	-3.23	ENSG00000104946	TBC1D17	chr19	+	55072641	55072813	no
3846	0.00103	-5.75	ENSG00000104946	TBC1D17	chr19	+	55083493	55083812	no
3847	0.00105	-2.56	ENSG00000106415	GLCCI1	chr7	+	7974948	7975963	no
3848	0.00106	-2.43	ENSG00000167291	TBC1D16	chr17	-	75601761	75602003	no
3848	0.00106	-2.5	ENSG00000167291	TBC1D16	chr17	-	75598554	75599151	no
3849	0.00107	-2.08	ENSG00000167642	SPINT2	chr19	+	43474320	43474927	no
3850	0.00109	-2.84	ENSG00000184613	NELL2	chr12	-	43496036	43496186	no
3850	0.00109	-2.81	ENSG00000184613	NELL2	chr12	-	43200055	43200279	no
3850	0.00109	-11.54	ENSG00000184613	NELL2	chr12	-	43188332	43189034	no
3851	0.00109	-2.49	ENSG00000062194	GPBP1	chr5	+	56594178	56594666	no
3852	0.0011	-3.02	ENSG00000131504	DIAPH1	chr5	-	140978549	140978747	yes,JnId_b_52385
3853	0.0011	-2.14	ENSG00000108384	RAD51C	chr17	+	54166478	54166689	no
3854	0.00111	-2.36	ENSG00000103642	LACTB	chr15	+	61201072	61201480	no
3854	0.00111	-2.08	ENSG00000103642	LACTB	chr15	+	61220532	61221305	no
3855	0.00111	-3.43	ENSG00000125733	TRIP10	chr19	+	6702074	6702484	no
3856	0.00112	-2.53	ENSG00000197905	TEAD4	chr12	+	3019792	3020103	no
3857	0.00114	-3.03	ENSG00000122335	SERAC1	chr6	-	158450535	158452522	no
3858	0.00114	-2.99	ENSG00000046651	OFD1	chrX	+	13680744	13681481	no
3858	0.00114	-3.56	ENSG00000046651	OFD1	chrX	+	13697106	13697393	no
3859	0.00115	-2.91	ENSG00000066322	ELOVL1	chr1	-	43601428	43602395	no
3860	0.00115	-5.9	ENSG00000164117	FBXO8	chr4	-	175394384	175395325	no
3861	0.00115	-3.81	ENSG00000054965	KIAA0280	chr11	-	72789493	72795437	no
3862	0.00117	-2.14	ENSG00000134575	ACP2	chr11	-	47226803	47226939	no
3862	0.00117	-3.04	ENSG00000134575	ACP2	chr11	-	47217429	47218376	no
3863	0.00118	-2.58	ENSG00000184220	C3orf26	chr3	+	101377861	101377949	no
3864	0.00118	-2.16	ENSG00000142039	CCDC97	chr19	+	46507934	46508101	no
3865	0.00119	-4.58	ENSG00000103994	ZFP106	chr15	-	40536448	40537022	no
3865	0.00119	-2.14	ENSG00000103994	ZFP106	chr15	-	40529261	40531444	no

3866	0.00121	-2.19	ENSG00000092445	TYRO3	chr15	+	39653169	39653305	no
3866	0.00121	-3	ENSG00000092445	TYRO3	chr15	+	39657376	39658818	no
3867	0.00122	-17.85	ENSG00000147650	LRP12	chr8	-	105570643	105572943	no
3868	0.00124	-4.47	ENSG00000160563	CRSP8	chr9	-	133725315	133725880	no
3869	0.00126	-4.51	ENSG00000078618	NRD1	chr1	-	52075747	52075880	yes,JnId_h_3231
3869	0.00126	-3.72	ENSG00000078618	NRD1	chr1	-	52038816	52038943	no
3870	0.00126	-2.98	ENSG00000080546	SESN1	chr6	-	109521691	109521970	no
3871	0.00127	-27.07	ENSG00000181938	GINS3	chr16	+	56995904	56997548	yes,JnId_h_30865
3872	0.00128	-2.28	ENSG00000103168	TAF1C	chr16	-	82773309	82773547	"yes,JnId_h_31816;JnId_h_31820"
3873	0.00129	-2.39	ENSG00000165195	PIGA	chrX	-	15247499	15249815	no
3873	0.00129	-2.42	ENSG00000130363	RSHL2	chr6	-	159317300	159318868	no
3875	0.00131	-2.16	ENSG00000070269	C14orf101	chr14	+	56183714	56184755	no
3876	0.00131	-3.86	ENSG00000116898	MRPS15	chr1	-	36693906	36694113	no
3877	0.00132	-4.47	ENSG00000112394	SLC16A10	chr6	+	111515399	111515991	no
3877	0.00132	-9.56	ENSG00000112394	SLC16A10	chr6	+	111649899	111651838	no
3878	0.00133	-4.06	ENSG00000120137	PANK3	chr5	-	167938839	167939166	no
3879	0.00134	-4.36	ENSG00000107362	FAM108B1	chr9	-	73669888	73671742	no
3880	0.00135	-3.88	ENSG00000082438	COBLL1	chr2	-	165249502	165250788	no
3881	0.00136	-2.72	ENSG00000160051	IQCC	chr1	+	32445428	32446875	no
3882	0.00136	-3.96	ENSG00000107745	CBARA1	chr10	-	73937919	73938033	no
3883	0.00136	-4.98	ENSG00000107263	RAPGEF1	chr9	-	133604978	133605282	yes,JnId_b_64006
3884	0.00139	-2.5	ENSG00000099331	MYO9B	chr19	+	17183704	17185093	no
3885	0.00140	-8.48	ENSG00000147257	GPC3	chrX	-	132946968	132947588	no
3885	0.00140	-4.89	ENSG00000147257	GPC3	chrX	-	132497439	132497987	no
3886	0.00140	-3.58	ENSG00000137145	DENND4C	chr9	+	19346970	19347693	no
3887	0.0014	-2.45	ENSG00000166206	GABRB3	chr15	-	24339793	24344374	no
3888	0.00142	-2.42	ENSG00000197713	RPE	chr2	+	210589476	210589610	no
3889	0.00142	-3.38	ENSG00000143801	PSEN2	chr1	+	225149748	225150422	no
3890	0.00144	-2.12	ENSG00000091428	RAPGEF4	chr2	+	173624614	173625864	no
3891	0.00145	-5.49	ENSG00000182919	C11orf54	chr11	+	93134329	93135868	no
3892	0.00146	-2.67	ENSG00000149182	ZNF289	chr11	-	47146036	47146170	no
3892	0.00146	-2.12	ENSG00000149182	ZNF289	chr11	-	47142430	47143629	no
3893	0.00147	-2.4	ENSG00000064309	CDON	chr11	-	125331926	125336210	no
3894	0.00150	-2.42	ENSG00000121068	TBX2	chr17	+	56832039	56832714	no
3895	0.00152	-2.23	ENSG00000197256	ANKRD25	chr19	-	11164507	11165718	no
3896	0.00153	-2.24	ENSG00000099882	SHANK3	chr22	+	49482863	49483009	no
3896	0.00153	-5.57	ENSG00000099882	SHANK3	chr22	+	49516015	49518504	no
3897	0.00154	-3.23	ENSG00000115935	WIPF1	chr2	-	175133744	175135099	no
3898	0.00155	-2.17	ENSG00000197530	MIB2	chr1	+	1554628	1554809	yes,JnId_b_126
3899	0.00156	-3.39	ENSG00000163918	RFC4	chr3	-	187992208	187992333	no
3899	0.00156	-7.12	ENSG00000163918	RFC4	chr3	-	187990378	187990547	no
3900	0.00156	-2.72	ENSG00000146376	ARHGAP18	chr6	-	129938970	129941442	no
3901	0.00158	-2.23	ENSG00000052841	TTC17	chr11	+	43357359	43357448	no
3902	0.00159	-2.54	ENSG00000144306	SCRN3	chr2	+	175000687	175001971	no
3903	0.00159	-2.19	ENSG00000162600	OMA1	chr1	-	58718979	58719434	no
3904	0.00160	-2.94	ENSG00000105607	GCDH	chr19	+	12871282	12871782	no
3905	0.00160	-13.91	ENSG00000068383	INPP5A	chr10	+	134445531	134446969	no
3906	0.0016	-2.1	ENSG00000028839	TBPL1	chr6	+	134347207	134347310	no
3906	0.0016	-8.84	ENSG00000028839	TBPL1	chr6	+	134347408	134347554	no
3907	0.00161	-2.2	ENSG00000136731	UGCGL1	chr2	+	128581982	128582112	no
3907	0.00161	-2.92	ENSG00000136731	UGCGL1	chr2	+	128589168	128589264	no
3907	0.00161	-2.35	ENSG00000136731	UGCGL1	chr2	+	128631296	128631394	no
3908	0.00165	-2.19	ENSG00000055147	C5orf3	chr5	-	153351519	153352863	no
3909	0.00172	-15.14	ENSG00000121644	C1orf121	chr1	+	242882860	242883280	yes,JnId_b_6281
3910	0.00172	-6.85	ENSG00000146083	RNF44	chr5	-	175896547	175897027	yes,JnId_b_53070
3911	0.00172	-2.39	ENSG00000090020	SLC9A1	chr1	-	27304529	27305165	no
3912	0.00177	-2.54	ENSG00000168411	RFWD3	chr16	-	73258185	73258280	no
3913	0.00178	-3.55	ENSG00000165475	CRYL1	chr13	-	19875810	19876381	no
3914	0.00179	-3.92	ENSG00000151835	SACS	chr13	-	22800965	22813829	no
3915	0.00180	-6.83	ENSG00000105072	C19orf44	chr19	+	16491905	16493160	no
3916	0.00180	-5.32	ENSG00000155275	C4orf23	chr4	+	8528399	8532160	no
3917	0.00181	-2.5	ENSG00000148154	UGCG	chr9	+	113698867	113699414	no
3917	0.00181	-2.1	ENSG00000148154	UGCG	chr9	+	113734928	113737470	no
3918	0.00185	-4.29	ENSG00000081189	MEF2C	chr5	-	88051922	88054498	no

3919	0.00186	-2.04	ENSG00000143727	ACP1	chr2	+	262192	262305	no		
3920	0.00186	-3.68	ENSG00000135048	TMEM2	chr9	-	73488102		73490129	no	
3921	0.00187	-2.64	ENSG00000146872	TLK2	chr17	+	58043485		58044757	no	
3922	0.00188	-2.42	ENSG00000167632	Q6P149	chr8	-	140813404		140813627	no	
3922	0.00188	-2.03	ENSG00000167632	Q6P149	chr8	-	140811770		140812653	no	
3923	0.0019	-61.39	ENSG00000155729	KCTD18	chr2	-	201061933		201063584	no	
3924	0.00191	-2	ENSG00000076706	MCAM	chr11	-	118684444		118685835	no	
3925	0.00194	-26.49	ENSG00000197948	FCHSD1	chr5	-	140999054		141001314	no	
3926	0.00196	-3.69	ENSG00000135723	FHOD1	chr16	-	65820800		65821122	no	
3927	0.00198	-2.94	ENSG00000040933	INPP4A	chr2	+	98427753		98427980	no	
3928	0.00198	-3.47	ENSG00000166340	TPP1	chr11	-	6597003	6597074	yes,JnId_h_12368		
3929	0.00200	-2.86	ENSG00000064393	HIPK2	chr7	-	138907915		138908683	no	
3930	0.00201	-2.07	ENSG00000153827	TRIP12	chr2	-	230387193		230387285	yes,JnId_h_49465	
3930	0.00201	-3.93	ENSG00000153827	TRIP12	chr2	-	230361758		230361900	no	
3930	0.00201	-2.98	ENSG00000153827	TRIP12	chr2	-	230340174		230340710	no	
3931	0.00202	-5.82	ENSG00000169288	MRPL1	chr4	+	79092667		79092961	no	
3932	0.00202	-4.19	ENSG00000135111	TBX3	chr12	+	113592442		113594490	no	
3933	0.00203	-4.32	ENSG00000130429	ARPC1B	chr7	+	98830010		98830335	no	
3934	0.00203	-2.04	ENSG00000121022	COPS5	chr8	-	68126019		68126130	yes,JnId_b_60532	
3934	0.00203	-2.83	ENSG00000121022	COPS5	chr8	-	68120601		68120749	yes,JnId_b_60532	
3935	0.00203	-2.74	ENSG00000140488	BRUNOL6	chr15	-	70423288		70423535	no	
3936	0.00204	-4.35	ENSG00000106524	ANKMY2	chr7	-	16605932		16607095	no	
3937	0.00206	-2.5	ENSG00000016864	GLT8D1	chr3	-	52714503		52715088	no	
3937	0.00206	-2.36	ENSG00000016864	GLT8D1	chr3	-	52705598		52705715	yes,JnId_h_57683	
3937	0.00206	-3.51	ENSG00000016864	GLT8D1	chr3	-	52703548		52704091	no	
3938	0.00209	-3.25	ENSG00000147439	BIN3	chr8	-	22534186		22535026	no	
3939	0.00209	-2.7	ENSG00000157456	CCNB2	chr15	+	57203008		57203118	no	
3939	0.00209	-2.64	ENSG00000157456	CCNB2	chr15	+	57204258		57204535	no	
3940	0.0021	-3.28	ENSG00000196396	PTPN1	chr20	+	48611307		48611397	no	
3940	0.0021	-4	ENSG00000196396	PTPN1	chr20	+	48624461		48624598	no	
3940	0.0021	-3.58	ENSG00000196396	PTPN1	chr20	+	48632636		48634706	no	
3941	0.00213	-4.09	ENSG00000129636	ITFG1	chr16	-	45746815		45747190	no	
3942	0.00213	-2.96	ENSG00000136935	GOLGA1	chr9	-	126680467		126682710	no	
3943	0.00213	-12.22	ENSG00000112308	C6orf62	chr6	-	24813068		24814469	no	
3944	0.00214	-2.9	ENSG00000121988	ZRANB3	chr2	-	135743002		135743181	no	
3944	0.00214	-2.58	ENSG00000121988	ZRANB3	chr2	-	135704553		135704967	no	
3945	0.00216	-9	ENSG00000136161	RCBTB2	chr13	-	47961104		47962388	no	
3946	0.00220	-2.22	ENSG00000086015	MAST2	chr1	+	46265990		46266122	no	
3946	0.00220	-2.27	ENSG00000086015	MAST2	chr1	+	46272797		46274383	yes,JnId_h_3038	
3947	0.0022	-4.9	ENSG00000157593	SLC35B2	chr6	-	44332057		44332211	no	
3948	0.00223	-4.11	ENSG00000198258	UBL5	chr19	+	9801641	9801791	no		
3949	0.00223	-10.63	ENSG00000112541	PDE10A	chr6	-	165660766		165666606	no	
3950	0.00224	-4.24	ENSG00000126822	PLEKHG3	chr14	+	64240946		64241175	no	
3950	0.00224	-2.74	ENSG00000126822	PLEKHG3	chr14	+	64277507		64278926	no	
3950	0.00224	-4.61	ENSG00000126822	PLEKHG3	chr14	+	64279453		64280810	no	
3951	0.00224	-3.65	ENSG00000162062	C16orf59	chr16	+		2450285	2450695	no	
3952	0.00229	-2.01	ENSG00000163113	OTUD7B	chr1	-	148178855		148183588	no	
3953	0.00230	-2.01	ENSG00000151806	GUF1	chr4	+	44395318		44397700	no	
3954	0.0023	-3.31	ENSG00000139370	SLC15A4	chr12	-	127843720		127844854	no	
3955	0.00231	-13.52	ENSG00000149716	ORAOV1	chr11	-	69189515		69191536	no	
3956	0.00232	-2.21	ENSG00000162063	CCNF	chr16	+	2443212	2443311	no		
3956	0.00232	-2.05	ENSG00000162063	CCNF	chr16	+	2446547	2448856	no		
3957	0.00232	-2.29	ENSG00000129103	SUMF2	chr7	+	56108184		56108298	yes,JnId_h_71880	
3958	0.00238	-2.22	ENSG00000160193	WDR4	chr21	-	43136275		43136460	no	
3959	0.00242	-2.05	ENSG00000126070	EIF2C3	chr1	+	36277978		36278172	no	
3960	0.00245	-2.72	ENSG00000161533	ACOX1	chr17	-	71453260		71454471	no	
3961	0.00247	-3.99	ENSG00000166484	MAPK7	chr17	+	19221659		19222007	no	
3962	0.00248	-2.74	ENSG00000196510	ANAPC7	chr12	-	109325715		109325815	no	
3962	0.00248	-2.88	ENSG00000196510	ANAPC7	chr12	-	109296332		109296521	no	
3963	0.00249	-2.68	ENSG00000188976	NOC2L	chr1	-	878418	878531	no		
3964	0.0025	-2.73	ENSG00000121848	ZNF364	chr1	+	144399446		144402018	no	
3965	0.00253	-2.35	ENSG00000132155	RAF1	chr3	-	12680312		12680678	no	
3966	0.00254	-3.28	ENSG00000164944	KIAA1429	chr8	-		95577732	95577884	no	
3966	0.00254	-3.48	ENSG00000164944	KIAA1429	chr8	-		95569776	95570264	no	

3967	0.00257	-8.29	ENSG00000141985	SH3GL1	chr19	-	4351321	4351496	no	
3967	0.00257	-2.48	ENSG00000141985	SH3GL1	chr19	-	4317923	4317991	no	
3968	0.0026	-2.34	ENSG00000114948	ADAM23	chr2	+	207190548	207191124	no	
3969	0.00261	-2.4	ENSG00000101004	Q9BQX2	chr20	-	25381341	25382278	no	
3970	0.00261	-2.16	ENSG00000112039	FANCE	chr6	+	35541999	35542859	no	
3971	0.00264	-4.79	ENSG00000138780	GSTCD	chr4	+	106963560	106964296	yes	JnId_h_62267
3972	0.00264	-2.65	ENSG00000123989	CHSS2_HUMAN	chr2	-	220116191	220116753	no	
3973	0.00265	-2.24	ENSG00000125386	C4orf8	chr4	+	2703300	2704097	no	
3974	0.00266	-2.21	ENSG00000100554	ATP6V1D	chr14	-	66875031	66875232	no	
3975	0.00266	-3.73	ENSG00000173950	C3orf21	chr3	-	196472573	196473152	no	
3976	0.00267	-2.12	ENSG00000132024	CC2D1A	chr19	+	13878014	13878314	no	
3977	0.00271	-2.01	ENSG00000104218	CSPP1	chr8	+	68270171	68271048	no	
3978	0.00272	-7.69	ENSG00000130449	ZSWIM6	chr5	+	60875039	60877754	no	
3979	0.00272	-2.03	ENSG00000147454	SLC25A37	chr8	+	23485183	23486008	no	
3980	0.00273	-2.42	ENSG00000160796	NBEAL2	chr3	+	47012765	47013086	yes	JnId_h_56618
3980	0.00273	-2.26	ENSG00000160796	NBEAL2	chr3	+	47015453	47015611	yes	JnId_h_56618
3980	0.00273	-2.6	ENSG00000160796	NBEAL2	chr3	+	47018865	47019014	"yes	JnId_b_45500;JnId_b_45504"
3980	0.00273	-6.25	ENSG00000160796	NBEAL2	chr3	+	47025713	47026042	yes	JnId_b_45546
3981	0.00278	-3.1	ENSG00000178381	ZFAND2A	chr7	-	1159070	1159386	no	
3982	0.00278	-2.81	ENSG00000104907	TRMT1	chr19	-	13077081	13077210	no	
3982	0.00278	-2.33	ENSG00000104907	TRMT1	chr19	-	13076721	13076895	no	
3983	0.00278	-3.11	ENSG00000177200	CHD9	chr16	+	51747339	51748954	no	
3983	0.00278	-2.16	ENSG00000177200	CHD9	chr16	+	51915433	51918283	no	
3984	0.0028	-2.56	ENSG00000161217	PCYT1A	chr3	-	197449652	197450162	no	
3985	0.0028	-2.03	ENSG00000171988	JMJD1C	chr10	-	64630242	64630443	no	
3985	0.0028	-3.77	ENSG00000171988	JMJD1C	chr10	-	64618934	64619212	no	
3986	0.00283	-3.79	ENSG00000158321	AUTS2	chr7	+	69884537	69884678	no	
3987	0.00287	-2.3	ENSG00000162302	RPS6KA4	chr11	+	63884211	63884429	no	
3987	0.00287	-3.82	ENSG00000162302	RPS6KA4	chr11	+	63895331	63896263	no	
3988	0.00288	-2.43	ENSG00000197217	ENTPD4	chr8	-	23342610	23346612	no	
3989	0.00299	-2.07	ENSG00000085185	BCORL1	chrX	+	129017510	129019319	no	
3990	0.003	-3.78	ENSG00000145979	TBC1D7	chr6	-	13436507	13436755	no	
3991	0.00305	-32.58	ENSG00000180964	TCEAL8	chrX	-	102394579	102395601	no	
3992	0.00305	-2.8	ENSG00000153208	MERTK	chr2	+	112502399	112503413	no	
3993	0.00306	-3.52	ENSG00000143748	NVL	chr1	-	222481659	222481995	no	
3994	0.00309	-2.64	ENSG00000117682	DHDDS	chr1	+	26646637	26647254	no	
3995	0.00311	-5.48	ENSG00000182796	Q71RD9	chr12	+	54510011	54511134	no	
3996	0.00311	-3.14	ENSG0000013503	POLR3B	chr12	+	105427328	105428104	no	
3997	0.00315	-4.34	ENSG00000105409	ATP1A3	chr19	-	47190063	47190222	no	
3997	0.00315	-2.07	ENSG00000105409	ATP1A3	chr19	-	47183928	47184131	no	
3997	0.00315	-2.44	ENSG00000105409	ATP1A3	chr19	-	47162578	47162957	no	
3998	0.00317	-2.08	ENSG00000143924	EML4	chr2	+	42383748	42383873	no	
3999	0.00321	-5.67	ENSG00000080608	KIAA0020	chr9	-	2794152	2794463	no	
4000	0.00326	-2.11	ENSG00000186532	SMYD4	chr17	-	1629579	1631483	no	
4001	0.00327	-2.21	ENSG00000171105	INSR	chr19	-	7067049	7068421	no	
4002	0.00329	-3.09	ENSG00000132781	MUTYH	chr1	-	45578478	45578729	no	
4002	0.00329	-2.28	ENSG00000132781	MUTYH	chr1	-	45570833	45570946	yes	JnId_h_2950
4002	0.00329	-2.88	ENSG00000132781	MUTYH	chr1	-	45570650	45570747	yes	JnId_h_2950
4002	0.00329	-5.19	ENSG00000132781	MUTYH	chr1	-	45567501	45567696	no	
4003	0.0033	-2.98	ENSG00000123124	WWP1	chr8	+	87548139	87548821	no	
4004	0.00331	-3.79	ENSG00000121851	POLR3GL	chr1	-	144167593	144168080	no	
4005	0.00333	-2.1	ENSG00000142102	ATHL1	chr11	+	284556	285678	no	
4006	0.00342	-2.64	ENSG00000168078	PBK	chr8	-	27723056	27723937	no	
4007	0.00342	-2.07	ENSG00000136280	CCM2	chr7	+	45081901	45082593	no	
4008	0.00343	-5.56	ENSG00000001617	SEMA3F	chr3	+	50200142	50201511	no	
4009	0.00344	-2.85	ENSG00000115355	KIAA1212	chr2	-	55368482	55371804	no	
4010	0.00349	-2.18	ENSG00000112679	DUSP22	chr6	+	295822	296347	no	
4011	0.00352	-14.47	ENSG00000171362	PNMA2	chr8	-	26418113	26422676	no	
4012	0.00353	-3.83	ENSG00000125534	C20orf149	chr20	+	61622521	61622691	no	
4013	0.00354	-2.28	ENSG00000164168	TMEM34	chr4	+	148774770	148776120	no	
4014	0.00357	-2.98	ENSG00000144455	SUMF1	chr3	-	4377829	4378938	no	
4015	0.00358	-3.33	ENSG00000126524	SBDS	chr7	-	66090125	66090921	no	
4016	0.00359	-4	ENSG00000140598	EFTUD1	chr15	-	80209632	80209957	no	
4017	0.00363	-57.48	ENSG00000116205	C1orf83	chr1	+	54291862	54292019	no	

4018	0.00364	-3.84	ENSG000000118096	C11orf60	chr11	-	117920471	117920936	no
4019	0.00365	-3.64	ENSG000000146263	C6orf167	chr6	-	97700373	97701484	no
4020	0.00366	-2.25	ENSG000000140043	ZADH1	chr14	+	73420557	73421915	no
4021	0.00368	-8.7	ENSG000000141858	SAMD1	chr19	-	14061597	14061911	no
4022	0.00369	-2.04	ENSG000000077150	NFKB2	chr10	+	104151999	104152271	no
4023	0.00372	-2.8	ENSG000000103356	EARS2	chr16	-	23441551	23442239	no
4024	0.00372	-7.95	ENSG000000099942	CRKL	chr22	+	19637494	19638034	no
4025	0.00373	-2	ENSG000000166734	CASC4	chr15	+	42492826	42495247	no
4026	0.00379	-6.96	ENSG000000083093	PALB2	chr16	-	23521984	23522491	no
4027	0.00379	-11.15	ENSG000000169814	BTD	chr3	+	15660827	15662328	no
4028	0.00380	-2.14	ENSG000000117543	DPH5	chr1	-	101263809	101263959	yes,JnId_h_4437
4028	0.00380	-2.08	ENSG000000117543	DPH5	chr1	-	101228207	101228775	no
4029	0.00383	-9.33	ENSG000000105327	BBC3	chr19	-	52423255	52423543	yes,JnId_h_43214
4030	0.00383	-32.33	ENSG000000082196	C1QTNF3	chr5	-	34022040	34025364	no
4031	0.00394	-3.12	ENSG000000137185	ZNF193	chr6	+	28308319	28309239	no
4032	0.00395	-2.3	ENSG000000106803	SEC61B	chr9	+	101032440	101032715	no
4033	0.00399	-2.31	ENSG000000155393	HEATR3	chr16	+	48697253	48697796	no
4034	0.00404	-3.01	ENSG000000184182	UBE2F	chr2	+	238614668	238615413	no
4035	0.00406	-4.12	ENSG000000171503	ETFDH	chr4	+	159848966	159849283	no
4036	0.00409	-2.01	ENSG000000136827	TOR1A	chr9	-	131626008	131626234	no
4036	0.00409	-5.93	ENSG000000136827	TOR1A	chr9	-	131615043	131616322	no
4037	0.00411	-2.1	ENSG000000166133	RPUSD2	chr15	+	38653018	38654183	no
4038	0.00416	-4.62	ENSG000000116691	ANKRD38	chr1	+	12014366	12014693	no
4039	0.00417	-4.11	ENSG000000115993	TRAK2	chr2	-	201950176	201954186	no
4040	0.00417	-4.85	ENSG000000142156	COL6A1	chr21	+	46226111	46226289	no
4040	0.00417	-3.4	ENSG000000142156	COL6A1	chr21	+	46226976	46227105	no
4041	0.00419	-2.99	ENSG000000182325	FBXL6	chr8	-	145552500	145552915	no
4042	0.00423	-2.29	ENSG000000023572	GLRX2	chr1	-	191332221	191332512	no
4043	0.00434	-23.09	ENSG000000188883	KLRG2	chr7	-	138787977	138788993	no
4044	0.00439	-2.57	ENSG000000159199	ATP5G1	chr17	+	44328016	44328229	no
4045	0.00442	-2.68	ENSG000000077092	RARB	chr3	+	25612915	25614424	no
4046	0.00443	-2.48	ENSG000000174943	KCTD13	chr16	-	29844612	29845046	no
4047	0.00448	-10.14	ENSG000000099308	MAST3	chr19	+	18121001	18123494	no
4048	0.00449	-4.79	ENSG000000177380	PPFIA3	chr19	+	54345305	54346090	yes,JnId_h_43469
4049	0.00453	-4.18	ENSG000000138592	USP8	chr15	+	48578392	48579255	no
4050	0.00454	-3.14	ENSG000000107862	GBF1	chr10	+	103995279	103995528	no
4050	0.00454	-3.14	ENSG000000107862	GBF1	chr10	+	104008676	104008781	no
4050	0.00454	-2.06	ENSG000000107862	GBF1	chr10	+	104117225	104117307	no
4051	0.00465	-3.7	ENSG000000140543	DET1	chr15	-	86856586	86857375	no
4052	0.00469	-4.82	ENSG000000188055	Q6ZVX1	chr4	+	657369 659643	no	
4053	0.00479	-2.33	ENSG000000092439	TRPM7	chr15	-	48684355	48684633	no
4054	0.00481	-2.16	ENSG000000088305	DNMT3B	chr20	+	30838697	30838918	no
4054	0.00481	-3.16	ENSG000000088305	DNMT3B	chr20	+	30859229	30860823	no
4055	0.00483	-2.29	ENSG000000111961	SASH1	chr6	+	148705422	148706052	no
4055	0.00483	-2.44	ENSG000000111961	SASH1	chr6	+	148911124	148914879	no
4056	0.00483	-2.39	ENSG000000143222	UFC1	chr1	+	159390166	159390534	no
4057	0.00488	-2.63	ENSG000000123358	NR4A1	chr12	+	50733469	50737310	"yes,JnId_h_18081;JnId_h_18082;JnId_h_18082;JnId_h_18079"
4058	0.00499	-4.04	ENSG000000106635	BCL7B	chr7	-	72609753	72609960	yes,JnId_h_72014
4059	0.005	-4.93	ENSG000000152291	TGOLN2	chr2	-	85408551	85408885	no
4060	0.005	-3.11	ENSG000000153721	MAGI1	chr6	-	154768003	154769478	no
4061	0.0052	-2.82	ENSG000000002016	RAD52	chr12	-	891504 892879	no	
4062	0.00525	-2.07	ENSG000000164144	ARFIP1	chr4	+	154021565	154021786	no
4062	0.00525	-2.5	ENSG000000164144	ARFIP1	chr4	+	154050666	154052514	no
4063	0.00525	-2.37	ENSG000000105135	ILVBL	chr19	-	15097467	15097577	no
4063	0.00525	-2.44	ENSG000000105135	ILVBL	chr19	-	15091793	15091892	no
4063	0.00525	-3.45	ENSG000000105135	ILVBL	chr19	-	15087377	15087482	no
4063	0.00525	-3.55	ENSG000000105135	ILVBL	chr19	-	15086789	15087241	no
4064	0.00529	-2.09	ENSG000000117616	C1orf63	chr1	-	25536118	25537243	no
4064	0.00529	-2.31	ENSG000000117616	C1orf63	chr1	-	25441327	25441783	no
4065	0.00529	-2.48	ENSG000000162032	SPSB3	chr16	-	1771360 1771497	no	
4066	0.00533	-2.88	ENSG000000152942	RAD17	chr5	+	68702288	68702754	no
4067	0.00542	-2.38	ENSG000000101019	C20orf44	chr20	-	33463157	33463359	no
4068	0.00555	-2.4	ENSG000000135452	TSPAN31	chr12	+	56425051	56425267	no
4068	0.00555	-15.74	ENSG000000135452	TSPAN31	chr12	+	56427266	56428271	no

4069	0.00557	-2.4	ENSG000000167257	RNF214	chr11	+	116657240	116657330	no	
4069	0.00557	-4.25	ENSG000000167257	RNF214	chr11	+	116661012	116661263	no	
4070	0.00559	-2.23	ENSG000000119899	SLC17A5	chr6	-	74420237	74420599	no	
4070	0.00559	-3.14	ENSG000000119899	SLC17A5	chr6	-	74359823	74361658	no	
4071	0.00562	-3.45	ENSG000000135414	GDF11	chr12	+	54423331	54423812	no	
4072	0.00564	-3.79	ENSG000000099889	ARVCF	chr22	-	18358108	18358335	no	
4072	0.00564	-2.52	ENSG000000099889	ARVCF	chr22	-	18348734	18349260	no	
4072	0.00564	-3.84	ENSG000000099889	ARVCF	chr22	-	18337421	18338266		"yes,JnId_h_53361;JnId_h_53362"
4073	0.00569	-11.55	ENSG000000198682	PAPSS2	chr10	+	89495569	89497442	no	
4074	0.00576	-2.37	ENSG000000161241	FBXO17	chr19	-	44158066	44158220	no	
4075	0.00576	-3.42	ENSG000000114439	BBX	chr3	+	108911979	108912159	no	
4076	0.00579	-2.85	ENSG000000175727	MLXIP	chr12	+	121185989	121186166	no	
4077	0.00583	-9.17	ENSG000000169371	SNUPN	chr15	-	73677519	73678077	no	
4078	0.00584	-5.51	ENSG000000049323	LTBP1	chr2	+	33476935	33478077	no	
4079	0.00584	-3.43	ENSG000000170525	PFKFB3	chr10	+	6284835	6285305	no	
4080	0.00598	-14.9	ENSG000000147586	MRPS28	chr8	-	80993653	80993938	no	
4081	0.00604	-4.77	ENSG000000182771	GRID1	chr10	-	87351731	87352438	no	
4082	0.00605	-2.36	ENSG000000006704	GTF2IRD1	chr7	+	73560341	73560469	no	
4082	0.00605	-5.59	ENSG000000006704	GTF2IRD1	chr7	+	73654628	73654846	no	
4083	0.00606	-2.96	ENSG000000177697	CD151	chr11	+	824530	824591		"yes,JnId_h_12077;JnId_h_12079"
4084	0.00608	-2.76	ENSG000000172775	Q6P4H7	chr16	-	55777238	55777445		"yes,JnId_h_30775;JnId_h_30774"
4085	0.00609	-2.59	ENSG000000144535	DIS3L2	chr2	+	232909423	232909930	no	
4086	0.0061	-2.36	ENSG000000144848	ATG3	chr3	-	113734236	113734317	no	
4087	0.00611	-3.19	ENSG000000168394	TAP1	chr6	-	32928794	32929729	no	
4087	0.00611	-3.7	ENSG000000168394	TAP1	chr6	-	32926699	32926904	no	
4087	0.00611	-5.79	ENSG000000168394	TAP1	chr6	-	32920804	32921540	no	
4088	0.00612	-2.05	ENSG000000154310	TNIK	chr3	-	172262986	172264447	no	
4089	0.00627	-8.45	ENSG000000152229	PSTPIP2	chr18	-	41817501	41819414	no	
4089	0.00627	-6.85	ENSG000000167671	UBXD1	chr19	-	4408612	4408790	no	
4091	0.00629	-9.07	ENSG000000090487	SPG21	chr15	-	63069056	63069304	no	
4092	0.00631	-5.01	ENSG000000170364	SETMAR	chr3	+	4329582	4330445		yes,JnId_b_44557
4093	0.00631	-2.36	ENSG000000114019	AMOTL2	chr3	-	135575874	135576096	no	
4094	0.00632	-2.37	ENSG000000086062	B4GALT1	chr9	-	33156756	33157354	no	
4095	0.00634	-2.74	ENSG000000122642	FKBP9	chr7	+	33011312	33013067	no	
4096	0.00639	-2.19	ENSG000000099219	KIAA1815	chr9	-	5822454	5823070	no	
4096	0.00639	-2.23	ENSG000000099219	KIAA1815	chr9	-	5774571	5777308	no	
4097	0.0064	-2.92	ENSG000000137656	BUD13	chr11	-	116124096	116124501	no	
4098	0.00648	-3.07	ENSG000000136854	STXBP1	chr9	+	129414365	129414540	no	
4099	0.00649	-3.26	ENSG000000104936	DMPK	chr19	-	50974876	50975268	no	
4100	0.00649	-11.13	ENSG000000168061	SAC3D1	chr11	+	64564981	64565261		yes,JnId_h_14207
4101	0.00651	-2.08	ENSG000000112855	HARS2	chr5	+	140058262	140059073	no	
4102	0.00651	-5.23	ENSG000000105663	WBP7_HUMAN	chr19	+	40900761	40901123	no	
4103	0.00667	-6.54	ENSG000000173264	GPR137	chr11	+	63809907	63810109		yes,JnId_h_14088
4104	0.00675	-2.08	ENSG000000130787	HIP1R	chr12	+	121912206	121913460	no	
4105	0.00677	-2.42	ENSG000000125503	PPP1R12C	chr19	-	60320403	60320739	no	
4106	0.00685	-5.14	ENSG000000115541	HSPE1	chr2	+	198076178	198076349	no	
4107	0.00686	-2.25	ENSG000000110756	HPS5	chr11	-	18256793	18258065	no	
4108	0.00696	-2.32	ENSG000000131669	NINJ1	chr9	-	94936246	94936391	no	
4109	0.00698	-2.84	ENSG000000110917	KIAA0152	chr12	+	119609332	119609717	no	
4109	0.00698	-2.04	ENSG000000110917	KIAA0152	chr12	+	119618502	119624050		yes,JnId_h_20477
4110	0.007	-11.35	ENSG000000101333	PLCB4	chr20	+	9407568	9409889	no	
4111	0.00707	-4.51	ENSG000000142784	WDTC1	chr1	+	27433746	27434029	no	
4111	0.00707	-2.51	ENSG000000142784	WDTC1	chr1	+	27502699	27502873	no	
4112	0.00708	-2.77	ENSG000000160949	NFKBIL2	chr8	-	145640371	145640466	no	
4112	0.00708	-2.65	ENSG000000160949	NFKBIL2	chr8	-	145639329	145639512	no	
4112	0.00708	-2.23	ENSG000000160949	NFKBIL2	chr8	-	145637157	145637302	no	
4113	0.0071	-3.1	ENSG000000075945	KIFAP3	chr1	-	168310201	168310503	no	
4113	0.0071	-4.23	ENSG000000075945	KIFAP3	chr1	-	168157091	168157546	no	
4114	0.00713	-2.84	ENSG000000163935	SFMBT1	chr3	-	52913668	52914332	no	
4115	0.00713	-2.13	ENSG000000137310	TCF19	chr6	+	31234294	31234478	no	
4116	0.00716	-2.39	ENSG000000021776	AQR	chr15	-	32935845	32936599	no	
4117	0.00717	-5.14	ENSG000000164659	KIAA1324L	chr7	-	86347174	86347782	no	
4118	0.00722	-6.15	ENSG000000117298	ECE1	chr1	-	21478271	21478629	no	
4118	0.00722	-2.46	ENSG000000117298	ECE1	chr1	-	21459351	21459472	no	

4119	0.00743	-2.42	ENSG000000171608	PIK3CD	chr1	+	9709554	9711564	no	
4120	0.00743	-2.61	ENSG000000146414	SHPRH	chr6	-	146247636	146249616	no	
4121	0.00744	-2.86	ENSG000000167619	TMEM145	chr19	+	47520553	47521054	no	
4122	0.00746	-2.29	ENSG000000135736	CCDC102A	chr16	-	56103596	56104283	no	
4123	0.00746	-2.45	ENSG000000177058	Q8NBW4	chr5	-	54996278	54996448	no	
4123	0.00746	-4.75	ENSG000000177058	Q8NBW4	chr5	-	54984114	54984308	yes	JnId_h_64001
4123	0.00746	-9.96	ENSG000000177058	Q8NBW4	chr5	-	54957435	54958244	no	
4124	0.00748	-2.3	ENSG000000166747	AP1G1	chr16	-	70400167	70400477	no	
4124	0.00748	-2.64	ENSG000000166747	AP1G1	chr16	-	70380683	70380886	no	
4125	0.0075	-4.87	ENSG000000116922	C1orf109	chr1	-	37919829	37921419	no	
4126	0.00751	-3.19	ENSG000000026559	KCNG1	chr20	-	49072814	49073051	no	
4127	0.00751	-2.55	ENSG000000159023	EPB41	chr1	+	29192429	29192641	yes	JnId_h_1828
4128	0.00754	-2.42	ENSG000000182307	C8orf33	chr8	+	146250208	146252219	no	
4129	0.00758	-2.49	ENSG000000104835	SARS2	chr19	-	44112950	44113238	no	
4129	0.00758	-2.48	ENSG000000104835	SARS2	chr19	-	44097779	44098229	no	
4130	0.00766	-3.7	ENSG000000114316	USP4	chr3	-	49290003	49290888	yes	JnId_h_57109
4131	0.00769	-2.06	ENSG000000134318	ROCK2	chr2	-	11265864	11266024	no	
4132	0.0077	-4.86	ENSG000000105854	PON2	chr7	-	94872111	94872736	no	
4133	0.00774	-2.56	ENSG000000156253	C21orf6	chr21	-	29302587	29302813	yes	JnId_h_52273
4133	0.00774	-3.52	ENSG000000156253	C21orf6	chr21	-	29299953	29300843	no	
4134	0.00776	-3.53	ENSG000000092010	PSME1	chr14	+	23677523	23678015	yes	JnId_h_23132
4135	0.00778	-5.03	ENSG000000176209	C8orf40	chr8	+	42526844	42527272	no	
4136	0.00789	-9.12	ENSG000000128833	MYO5C	chr15	-	50271814	50273543	no	
4137	0.0079	-5.19	ENSG000000075131	TIPIN	chr15	-	64416230	64416573	no	
4138	0.00794	-2.26	ENSG000000112659	Q5TCY3	chr6	+	43259458	43260621	no	
4138	0.00794	-3.12	ENSG000000112659	Q5TCY3	chr6	+	43263429	43264674	yes	JnId_h_68442
4139	0.008	-2.84	ENSG000000169964	TMEM42	chr3	+	44881536	44882162	no	
4140	0.00803	-5.27	ENSG000000197375	SLC22A5	chr5	+	131757776	131759205	no	
4141	0.00807	-3.86	ENSG000000174013	no_name	chr3	+	197795401	197798553	no	
4142	0.00808	-2.5	ENSG000000170469	Q8N799	chr5	-	138760153	138760543	no	
4143	0.00808	-4.66	ENSG000000102302	FGD1	chrX	-	54538284	54539324	no	
4143	0.00808	-4.02	ENSG000000102302	FGD1	chrX	-	54513741	54513918	no	
4144	0.00826	-4	ENSG000000111665	CDCA3	chr12	-	6828262	6828623	"yes	JnId_b_13145;JnId_b_13146"
4145	0.00831	-2.34	ENSG000000102119	EMD	chrX	+	153260751	153261120	no	
4146	0.00835	-2.42	ENSG000000173926	MARCH3	chr5	-	126233454	126234382	no	
4146	0.00835	-2.04	ENSG000000171311	EXOSC1	chr10	-	99185889	99186298	no	
4148	0.00835	-3.03	ENSG000000117569	PTBP2	chr1	+	97051417	97052937	no	
4149	0.00841	-2.98	ENSG000000139343	SNRPF	chr12	+	94783914	94784048	no	
4150	0.00846	-2.93	ENSG000000196655	TRAPPC4	chr11	+	118399241	118399585	no	
4151	0.0085	-2.34	ENSG000000139372	TDG	chr12	+	102901203	102901297	no	
4151	0.0085	-2.89	ENSG000000139372	TDG	chr12	+	102904856	102906785	no	
4152	0.00852	-50.5	ENSG000000164978	NUDT2	chr9	+	34333122	34333709	no	
4153	0.00854	-2.58	ENSG000000108825	AARSD1	chr17	-	38360419	38360510	yes	JnId_b_28022
4153	0.00854	-8.4	ENSG000000108825	AARSD1	chr17	-	38356097	38356271	no	
4154	0.00875	-2.33	ENSG000000136044	APPL2	chr12	-	104153867	104154138	no	
4155	0.00884	-2.58	ENSG000000106144	CASP2	chr7	+	142695524	142695744	no	
4156	0.0089	-3.04	ENSG000000021762	OSBPL5	chr11	-	3064922	3066149	no	
4157	0.00896	-2.2	ENSG000000182150	C9orf102	chr9	+	97768665	97769265	no	
4158	0.0091	-2.61	ENSG000000162836	ACP6	chr1	-	145586672	145586837	no	
4159	0.00914	-3.92	ENSG000000143333	RGS16	chr1	-	180834381	180836271	no	
4160	0.00924	-2.4	ENSG000000125871	C20orf72	chr20	+	17897556	17897784	no	
4160	0.00924	-2.13	ENSG000000125871	C20orf72	chr20	+	17918582	17919765	no	
4161	0.0093	-26.27	ENSG000000164088	PPM1M	chr3	+	52258230	52259651	no	
4162	0.00938	-2.51	ENSG000000104881	PPP1R13L	chr19	-	50586978	50587438	no	
4163	0.00939	-2.32	ENSG000000171246	NPTX1	chr17	-	76064398	76064999	no	
4164	0.0094	-3.34	ENSG000000119537	FVT1	chr18	-	59185224	59185438	no	
4165	0.00942	-2.51	ENSG000000169410	PTPN9	chr15	-	73658110	73658680	no	
4166	0.00944	-4.29	ENSG000000152990	GPR125	chr4	-	22126249	22126770	no	
4166	0.00944	-2.03	ENSG000000152990	GPR125	chr4	-	22024322	22024535	no	
4167	0.00948	-2.18	ENSG000000065883	CDC2L5	chr7	+	40007985	40008155	yes	JnId_h_71609
4167	0.00948	-2.02	ENSG000000065883	CDC2L5	chr7	+	40051960	40052149	yes	JnId_h_71609
4168	0.0095	-8.35	ENSG000000186376	ZNF75	chrX	-	134247386	134249444	no	
4169	0.0095	-4.81	ENSG000000110841	PPF1BP1	chr12	+	27736996	27739763	no	
4170	0.00952	-2.75	ENSG000000167508	MVD	chr16	-	87245849	87246514	no	

4171	0.00965	-2.93	ENSG000000111143	MKS1	chr17	-	53637802	53638530	no	
4172	0.00967	-5.08	ENSG000000135698	MPHOSPH6	chr16	-	80739273	80739969	no	no
4173	0.00967	-2.91	ENSG00000039523	FAM65A	chr16	+	66137770	66138189	no	
4174	0.00978	-4.38	ENSG00000095574	IKZF5	chr10	-	124740312	124744229	no	
4174	0.00978	-2.57	ENSG000000157869	RAB28	chr4	-	13071421	13071550	no	
4174	0.00978	-2.77	ENSG000000157869	RAB28	chr4	-	12978446	12979372	no	
4176	0.0098	-4.21	ENSG000000167535	CACNB3	chr12	+	47507635	47508991	no	
4177	0.00985	-2.02	ENSG00000096060	FKBP5	chr6	-	35764559	35764718	no	
4178	0.00991	-3.08	ENSG000000163659	TIPARP	chr3	+	157905167	157907249	no	
4179	0.0100	-4.51	ENSG000000119321	FKBP15	chr9	-	114967621	114968256	no	
4180	0.0100	-3.03	ENSG000000109184	DCUN1D4	chr4	+	52474452	52477760	no	
4181	0.0101	-4.24	ENSG000000166908	PIP5K2C	chr12	+	56271253	56271513	no	
4181	0.0101	-3.88	ENSG000000166908	PIP5K2C	chr12	+	56281976	56283465	no	
4182	0.0101	-2.19	ENSG000000185627	PSMD13	chr11	+	240803	240865	no	
4183	0.0103	-5.11	ENSG00000051341	POLQ	chr3	-	122632968	122633954	no	
4184	0.0103	-2.53	ENSG00000099821	POLRMT	chr19	-	584425	584568	no	
4185	0.0103	-2.11	ENSG000000149743	TRPT1	chr11	-	63750098	63750277	no	
4186	0.0103	-2.28	ENSG000000163904	SENP2	chr3	+	186819781	186819984	no	
4187	0.0104	-2.09	ENSG00000013523	ANGEL1	chr14	-	76348860	76348983	no	
4188	0.0106	-14.51	ENSG000000171097	CCBL1	chr9	-	130644754	130644901	no	
4188	0.0106	-31.77	ENSG000000171097	CCBL1	chr9	-	130635044	130635743	no	
4189	0.0107	-2.85	ENSG000000165661	QSOX2	chr9	-	138277143	138277470	no	
4190	0.0107	-2.12	ENSG000000164182	NDUFA12L	chr5	+	60484288	60484609	no	no
4191	0.0108	-9.71	ENSG00000011332	DPF1	chr19	-	43393523	43394613	no	
4192	0.0108	-2.22	ENSG000000146085	MUT	chr6	-	49527138	49527386	no	
4192	0.0108	-7.07	ENSG000000146085	MUT	chr6	-	49506958	49507528	no	
4193	0.0109	-2.03	ENSG000000145506	NKD2	chr5	+	1090920	1091925	no	
4194	0.0110	-2.07	ENSG000000186660	ZFP91	chr11	+	58141245	58145089	no	
4195	0.0113	-5.02	ENSG000000157911	PEX10	chr1	-	2333690	2333870	no	
4196	0.0113	-2.24	ENSG000000174485	DENND4A	chr15	-	63740596	63741379	no	
4197	0.0116	-2.88	ENSG000000103174	NAGPA	chr16	-	5014848	5015687	no	
4198	0.0118	-2.05	ENSG000000140263	SORD	chr15	+	43152855	43154330	no	
4199	0.0119	-2.26	ENSG00000087338	GMCL1	chr2	+	69959545	69960267	no	
4200	0.0119	-3.08	ENSG000000126432	PRDX5	chr11	+	63845634	63845858	no	
4201	0.0119	-2.54	ENSG000000110274	CEP164	chr11	+	116770846	116771117	no	
4202	0.0120	-7.22	ENSG000000204155	PARG	chr10	-	50696446	50697546	no	
4203	0.0121	-2.02	ENSG000000147912	FBXO10	chr9	-	37500893	37502718	no	
4204	0.0121	-2.81	ENSG000000111647	Q9BTS5	chr12	-	98954996	98955664	no	
4205	0.0121	-5.71	ENSG000000101400	SNTA1	chr20	-	31494778	31495359	no	
4206	0.0121	-4.27	ENSG000000162419	GMEB1	chr1	+	28913172	28918452	no	
4207	0.0123	-3.16	ENSG000000197355	UAP1L1	chr9	+	139091801	139092094	no	
4207	0.0123	-3.43	ENSG000000197355	UAP1L1	chr9	+	139092323	139092950	no	
4208	0.0123	-3.78	ENSG000000120868	APAF1	chr12	+	97650329	97653335	no	
4209	0.0124	-2.44	ENSG000000100211	CBY1	chr22	+	37399110	37399795	no	
4210	0.0125	-2.62	ENSG000000114554	PLXNA1	chr3	+	128204863	128205003	no	
4210	0.0125	-2.45	ENSG000000114554	PLXNA1	chr3	+	128216717	128216853	no	
4210	0.0125	-2.03	ENSG000000114554	PLXNA1	chr3	+	128218958	128219197	no	
4211	0.0125	-2.33	ENSG000000106346	USP42	chr7	+	6166711	6167717	no	
4212	0.0126	-9.33	ENSG000000121957	GPSM2	chr1	+	109220896	109221373	no	
4212	0.0126	-4.83	ENSG000000121957	GPSM2	chr1	+	109229420	109229723	no	
4212	0.0126	-2.67	ENSG000000121957	GPSM2	chr1	+	109245935	109246090	no	
4213	0.0127	-2.01	ENSG000000108175	ZMIZ1	chr10	+	80723144	80723416	no	
4214	0.0128	-3.76	ENSG00000065559	MAP2K4	chr17	+	11864866	11865043	no	
4215	0.0130	-3.13	ENSG000000164576	SAP30L	chr5	+	153815653	153816059	no	
4216	0.0131	-2.74	ENSG00000085999	RAD54L	chr1	+	46516331	46516731	no	
4217	0.0132	-2.41	ENSG00000076650	GPATCH1	chr19	+	38300571	38300787	no	
4218	0.0134	-2.67	ENSG000000156831	NSMCE2	chr8	+	126448192	126448543	no	
4219	0.0134	-3.41	ENSG000000163513	TGFBR2	chr3	+	30707916	30710635	no	
4220	0.0134	-33.25	ENSG000000168785	TSPAN5	chr4	-	99798320	99798750	no	
4221	0.0134	-2.16	ENSG000000100417	PMM1	chr22	-	40302853	40303390	no	
4222	0.0135	-2.03	ENSG00000084112	SSH1	chr12	-	107709831	107710734	no	
4223	0.0136	-6.72	ENSG000000147854	UHRF2	chr9	+	6496033	6497051	no	
4224	0.0137	-2.51	ENSG00000083290	ULK2	chr17	-	19711233	19711841	no	
4225	0.0137	-4.87	ENSG000000123552	USP45	chr6	-	100036859	100037481	no	

4225	0.0137	-3.93	ENSG000000123552	USP45	chr6	-	100000394	100001060	no	
4226	0.0137	-4.46	ENSG000000068028	RASSF1	chr3	-	50342221	50343162	no	
4227	0.0137	-3.2	ENSG00000000457	SCYL3	chr1	-	168124441	168124655	no	
4228	0.0137	-2.12	ENSG000000079387	SENP1	chr12	-	46785452	46786042	no	
4229	0.014	-2.85	ENSG000000122483	CCDC18	chr1	+	93452888	93453111	no	
4229	0.014	-2.62	ENSG000000122483	CCDC18	chr1	+	93477828	93478041	no	
4230	0.0140	-3.3	ENSG000000164116	GUCY1A3	chr4	+	156870632	156872926	no	
4231	0.0141	-2.67	ENSG000000092421	SEMA6A	chr5	-	115937780	115938529	no	
4231	0.0141	-2.2	ENSG000000092421	SEMA6A	chr5	-	115807247	115811406	no	
4232	0.0142	-2.28	ENSG000000141401	IMPA2	chr18	+	11971427	11971764	no	
4233	0.0142	-2.41	ENSG000000133265	HPBP1_HUMAN	chr19	-	60482579	60482882	no	
4234	0.0142	-4.28	ENSG000000108961	Q9HD47	chr17	+	8133856	8134128	no	
4235	0.0142	-2.12	ENSG000000112511	PHF1	chr6	+	33486718	33486970	no	
4236	0.0144	-2.15	ENSG000000183751	TBL3	chr16	+	1968315	1968473	no	
4236	0.0144	-4.16	ENSG000000183751	TBL3	chr16	+	1968554	1968752	no	
4237	0.0145	-2.33	ENSG000000011275	UB7I1_HUMAN	chr7	-	5731481	5731595	no	
4238	0.0146	-16.3	ENSG000000108669	PSCD1	chr17	-	74181727	74183846	no	
4238	0.0146	-2.75	ENSG000000166902	MRPL16	chr11	-	59334653	59334921	no	
4240	0.0146	-2.71	ENSG000000159658	KIAA0494	chr1	-	46913418	46916895	no	
4241	0.0148	-3.12	ENSG000000115568	ZNF142	chr2	-	219232336	219232599	no	
4242	0.0149	-2.55	ENSG000000138182	MPHOSPH1	chr10	+	91464692	91464919	no	
4242	0.0149	-3.16	ENSG000000138182	MPHOSPH1	chr10	+	91476030	91476258	yes	JnId_h_10364
4242	0.0149	-2.69	ENSG000000138182	MPHOSPH1	chr10	+	91523708	91524680	no	
4243	0.0150	-2.25	ENSG000000173145	NOC3L	chr10	-	96096172	96096303	no	
4244	0.0152	-2.3	ENSG000000148291	SURF2	chr9	+	135217753	135217866	yes	JnId_h_79927
4245	0.0153	-2.38	ENSG000000198920	KIAA0753	chr17	-	6422375	6423908	no	
4246	0.0154	-17.04	ENSG000000115129	TP53I3	chr2	-	24160563	24161589	yes	JnId_h_44585
4246	0.0154	-13.9	ENSG000000115129	TP53I3	chr2	-	24153807	24154135	no	
4247	0.0155	-2.2	ENSG000000068354	TBC1D25	chrX	+	48282789	48283252	no	
4248	0.0156	-2.2	ENSG000000130940	CASZ1	chr1	-	10629856	10630783	no	
4249	0.0156	-2.88	ENSG000000115970	THADA	chr2	-	43311495	43311986	no	
4250	0.0157	-2.28	ENSG000000140307	GTF2A2	chr15	-	57718358	57718648	no	
4251	0.0158	-3.09	ENSG000000140299	BNIP2	chr15	-	57750674	57750805	no	
4251	0.0158	-6.48	ENSG000000140299	BNIP2	chr15	-	57742356	57743611	no	
4252	0.0158	-7.43	ENSG000000178896	EXOSC4	chr8	+	145205510	145205794	no	
4253	0.0158	-2.2	ENSG000000100888	CHD8	chr14	-	20937601	20937704	yes	JnId_h_22874
4253	0.0158	-2.22	ENSG000000100888	CHD8	chr14	-	20929832	20929945	no	
4253	0.0158	-4.72	ENSG000000139990	WDR22	chr14	-	68689235	68689473	no	
4255	0.0161	-2.32	ENSG000000137193	PIM1	chr6	+	37249688	37251180	no	
4256	0.0162	-6.12	ENSG000000145703	IQGAP2	chr5	+	76038781	76039711	no	
4257	0.0162	-2.03	ENSG000000166595	FAM96B	chr16	-	65523469	65523704	no	
4258	0.0163	-5.23	ENSG000000176623	FAM82B	chr8	-	87555454	87555703	no	
4259	0.0164	-2.13	ENSG000000086666	ZFAND6	chr15	+	78177813	78177975	yes	JnId_h_27688
4260	0.0164	-2.42	ENSG000000173588	CCDC41	chr12	-	93226189	93226824	no	
4261	0.0164	-2.33	ENSG000000067596	DHX8	chr17	+	38916860	38917079	no	
4262	0.0166	-2.81	ENSG000000160703	NLRX1	chr11	+	118559037	118559933	no	
4263	0.0166	-2.14	ENSG000000136379	FAM108C1	chr15	+	78833547	78835013	no	
4264	0.0166	-2.75	ENSG000000163913	IFT122	chr3	+	130641658	130641904	no	
4265	0.0167	-4.08	ENSG000000111641	NOL1	chr12	-	6547243	6547389	no	
4265	0.0167	-2.06	ENSG000000111641	NOL1	chr12	-	6543318	6543373	no	
4266	0.0168	-5.77	ENSG000000116030	SUMO1P3	chr2	-	202779155	202780289	no	
4267	0.0168	-2.68	ENSG000000171206	TRIM8	chr10	+	104406494	104408154	no	
4268	0.0169	-2.09	ENSG000000108296	CCDC49	chr17	-	34224640	34224876	no	
4269	0.0169	-2.25	ENSG000000106133	NSUN5C	chr7	-	72056771	72057072	no	
4270	0.0169	-5.12	ENSG000000119514	GALNT12	chr9	+	100651055	100652184	no	
4271	0.0171	-2.87	ENSG000000141012	GALNS	chr16	-	87407644	87408434	no	
4272	0.0172	-2.23	ENSG000000091157	WDR7	chr18	+	52845233	52848034	no	
4273	0.0174	-3.83	ENSG000000171940	ZNF217	chr20	-	51617011	51619210	no	
4274	0.0175	-7.01	ENSG000000164294	Q8TED1	chr5	+	54495640	54498628	yes	JnId_h_63958
4275	0.0175	-5.48	ENSG000000104687	GSR	chr8	-	30704589	30704894	no	
4275	0.0175	-4.18	ENSG000000104687	GSR	chr8	-	30658989	30659120	yes	JnId_b_60040
4275	0.0175	-4.27	ENSG000000104687	GSR	chr8	-	30657963	30658096	no	
4276	0.0176	-2.44	ENSG000000163541	SUCLG1	chr2	-	84521682	84521739	no	
4276	0.0176	-2.41	ENSG000000163541	SUCLG1	chr2	-	84504194	84504407	no	

4277	0.0178	-2.08	ENSG00000124608	AARS2	chr6	-	44388796	44389041	no	
4278	0.0178	-2.87	ENSG00000101442	ACTR5	chr20	+	36833616	36834247	no	
4279	0.0181	-2.65	ENSG00000168014	Q6ZU92	chr11	-	73557037	73557306	no	
4280	0.0181	-3.68	ENSG00000161647	MPP3	chr17	-	39234315	39234771	no	
4281	0.0183	-2.66	ENSG00000077684	PHF17	chr4	+	129986980	129987137	no	
4282	0.0183	-5.38	ENSG00000197892	KIF13B	chr8	-	28980715	28984202	no	
4283	0.0186	-3.19	ENSG00000105186	ANKRD27	chr19	-	37857817	37857945	no	
4283	0.0186	-2.42	ENSG00000105186	ANKRD27	chr19	-	37832428	37832538	yes	JnId_h_41883
4283	0.0186	-2.14	ENSG00000105186	ANKRD27	chr19	-	37779754	37781124	no	
4284	0.0187	-2.22	ENSG00000172057	ORMDL3	chr17	-	35330822	35332464	no	
4285	0.0188	-7.89	ENSG00000171365	CLCN5	chrX	+	49743526	49750632	no	
4286	0.0189	-2.1	ENSG00000170653	ATF7	chr12	-	52196111	52197405	no	
4287	0.0191	-6.6	ENSG00000112242	E2F3	chr6	+	20510377	20510835	no	
4288	0.0191	-2.98	ENSG00000149577	SIDT2	chr11	+	116555107	116555372	no	
4288	0.0191	-2.22	ENSG00000149577	SIDT2	chr11	+	116571728	116573370	no	
4289	0.0193	-2.22	ENSG00000133065	SLC41A1	chr1	-	204048559	204048927	no	
4290	0.0193	-2.32	ENSG00000136098	NEK3	chr13	-	51604780	51605363	no	
4291	0.0193	-2.8	ENSG00000112320	SOBP	chr6	+	108086104	108088067	no	
4292	0.0196	-3.39	ENSG00000138336	CXXC6	chr10	+	70120571	70124245	no	
4292	0.0196	-2.82	ENSG00000140497	SCAMP2	chr15	-	72924249	72924611	no	
4294	0.0196	-2.65	ENSG00000110881	ACCN2	chr12	+	48760548	48760777	no	
4295	0.0198	-2.12	ENSG00000104450	SPAG1	chr8	+	101322295	101323306	no	
4296	0.0199	-2.66	ENSG00000184056	VPS33B	chr15	-	89342909	89343288	no	
4297	0.0202	-2.22	ENSG00000125257	ABCC4	chr13	-	94470090	94471937	no	
4298	0.0204	-2.6	ENSG00000165392	WRN	chr8	+	31150053	31150818	no	
4299	0.0204	-6.35	ENSG00000103227	TMEM112	chr16	-	843639	844707	no	
4300	0.0206	-3.21	ENSG00000162714	ZNF496	chr1	-	245561357	245561668	no	
4301	0.0206	-5.27	ENSG00000121964	GTDC1	chr2	-	144419791	144421172	no	
4302	0.0207	-2.69	ENSG00000125845	BMP2	chr20	+	6706892	6708927	no	
4303	0.0208	-2.23	ENSG00000101337	TM9SF4	chr20	+	30184462	30184590	yes	JnId_h_50652
4304	0.0211	-3.4	ENSG00000127580	WDR24	chr16	-	674993	675177	yes	JnId_h_28491
4305	0.0211	-2.2	ENSG00000141034	C17orf39	chr17	+	17883336	17883941	no	
4306	0.0212	-2.77	ENSG00000145734	BDP1	chr5	+	70826768	70826991	no	
4306	0.0212	-2.54	ENSG00000145734	BDP1	chr5	+	70893857	70894103	no	
4307	0.0213	-3.4	ENSG00000142733	MAP3K6	chr1	-	27565336	27565970	no	
4307	0.0213	-3.96	ENSG00000142733	MAP3K6	chr1	-	27555668	27556245	no	
4308	0.0214	-3.11	ENSG00000187164	KIAA1598	chr10	-	118634298	118636067	no	
4309	0.0214	-3.31	ENSG00000176454	AGPAT7	chr15	-	32446480	32446707	no	
4310	0.0216	-2.81	ENSG00000140632	Q5U632	chr16	-	4822776	4822914	yes	JnId_b_23039
4311	0.0218	-2.69	ENSG00000167112	TRUB2	chr9	-	130124400	130124842	no	
4312	0.0220	-2.49	ENSG00000173209	AHSA2	chr2	+	61267256	61267555	no	
4313	0.0221	-3.08	ENSG00000108733	PEX12	chr17	-	30925928	30927313	no	
4314	0.0222	-17.04	ENSG00000157379	DHRS1	chr14	-	23838627	23838815	no	
4315	0.0223	-3.91	ENSG00000109576	AADAT	chr4	-	171217948	171218695	no	
4316	0.0225	-22.13	ENSG00000162647	C1orf119	chr1	+	109438562	109441079	no	
4317	0.0226	-3.3	ENSG00000103876	FAH	chr15	+	78265527	78265740	no	
4318	0.0228	-2.09	ENSG00000143363	PRUNE	chr1	+	149257567	149257769	no	
4318	0.0228	-2.23	ENSG00000143363	PRUNE	chr1	+	149272906	149274813	no	
4319	0.0228	-5.34	ENSG00000128805	ARHGAP22	chr10	-	49324085	49324668	no	
4320	0.0230	-6.32	ENSG00000143952	VPS54	chr2	-	63973171	63974173	no	
4321	0.023	-5.84	ENSG00000139926	FRMD6	chr14	+	51264213	51266898	no	
4322	0.0231	-2.13	ENSG00000134480	CCNH	chr5	-	86742797	86742919	no	
4323	0.0234	-3.18	ENSG00000119801	YPEL5	chr2	+	30224615	30224911	yes	JnId_h_45070
4324	0.0234	-2.56	ENSG00000168538	Q7Z392	chr4	+	184870747	184871738	no	
4325	0.0234	-9.31	ENSG00000130684	ZNF337	chr20	-	25615027	25615593	no	
4326	0.0235	-2	ENSG00000135469	COQ10A	chr12	+	54946916	54947303	no	
4327	0.0240	-3.24	ENSG00000161996	WDR90	chr16	+	639312	639855	yes	JnId_h_28424
4328	0.0242	-25.32	ENSG00000115257	PCSK4	chr19	-	1432427	1433206	no	
4329	0.0244	-6.15	ENSG00000110330	BIRC2	chr11	+	101753931	101754604	no	
4330	0.0244	-3.21	ENSG00000158773	USF1	chr1	-	159275665	159276423	no	
4331	0.0245	-8.15	ENSG00000100629	C14orf145	chr14	-	80032577	80033678	no	
4332	0.0247	-2.19	ENSG00000070182	SPTB	chr14	-	64309051	64309425	no	
4333	0.0248	-5.29	ENSG00000110171	TRIM3	chr11	-	6427112	6428427	no	
4334	0.0248	-2.37	ENSG00000172379	ARNT2	chr15	+	78554406	78554619	no	

4334	0.0248	-3.6	ENSG00000172379	ARNT2	chr15	+	78672996	78677324	no
4335	0.0249	-2.3	ENSG00000126870	WDR60	chr7	+	158431034	158431231	no
4336	0.0251	-2.04	ENSG00000181929	PRKAG1	chr12	-	47685356	47685414	no
4337	0.0254	-3.32	ENSG00000087157	PGS1	chr17	+	73886325	73886484	no
4337	0.0254	-4.61	ENSG00000087157	PGS1	chr17	+	73931737	73932230	no
4338	0.0254	-2.59	ENSG00000120699	EXOSC8	chr13	+	36480194	36480314	no
4338	0.0254	-2.25	ENSG00000120699	EXOSC8	chr13	+	36481321	36481538	no
4339	0.0255	-2.78	ENSG00000074054	CLASP1	chr2	-	122079747	122080226	no
4340	0.0255	-3.1	ENSG00000171606	ZNF274	chr19	+	63386208	63386621	no
4341	0.0258	-2.1	ENSG00000187498	COL4A1	chr13	-	109599311	109600792	no
4342	0.0259	-2.78	ENSG00000181523	SGSH	chr17	-	75805426	75805586	yes,JnId_h_37420
4343	0.0261	-22.76	ENSG00000167700	MFSD3	chr8	+	145707182	145707387	no
4344	0.0262	-3.54	ENSG00000163006	Q4ZG07	chr2	+	108858976	108859279	no
4345	0.0263	-2.84	ENSG00000141503	MINK1	chr17	+	4728437	4728551	no
4346	0.0266	-4.94	ENSG00000162104	ADCY9	chr16	-	4105692	4106187	no
4347	0.027	-3.83	ENSG00000081913	PHLPP	chr18	+	58533897	58535472	no
4348	0.0275	-2.26	ENSG00000167720	SRR	chr17	+	2173699	2175304	no
4349	0.0276	-2.06	ENSG00000104731	KLHDC4	chr16	-	86299457	86299573	no
4350	0.0278	-2.15	ENSG00000163660	CCNL1	chr3	-	158350319	158350460	no
4351	0.028	-2.2	ENSG00000130254	SAFB2	chr19	-	5543758	5543898	yes,JnId_b_31601
4352	0.0283	-4.51	ENSG00000172828	CES3	chr16	+	65564258	65566552	no
4353	0.0290	-3.89	ENSG00000033011	ALG1	chr16	+	5061821	5062059	no
4353	0.0290	-2.63	ENSG00000033011	ALG1	chr16	+	5070948	5071058	no
4354	0.029	-2.75	ENSG00000017373	Q75T46	chr17	-	33971225	33972090	no
4355	0.0292	-2.29	ENSG00000079102	RUNX1T1	chr8	-	93040328	93041921	no
4356	0.0294	-2.99	ENSG00000073670	ADAM11	chr17	+	40212633	40214740	no
4357	0.0298	-2.78	ENSG00000196177	ACADSB	chr10	+	124803201	124807817	no
4358	0.0299	-8.56	ENSG00000122507	BBS9	chr7	+	33611332	33612205	no
4359	0.0302	-2.81	ENSG00000176658	MYO1D	chr17	-	28126995	28127160	no
4359	0.0302	-2.08	ENSG00000176658	MYO1D	chr17	-	27956218	27956372	no
4360	0.0303	-3.76	ENSG00000110074	FOXRED1	chr11	+	125652540	125653229	no
4361	0.0305	-4.74	ENSG00000167967	E4F1	chr16	+	2213568	2213772	no
4362	0.0305	-2.56	ENSG00000106799	TGFBR1	chr9	+	100951283	100956406	no
4363	0.0305	-5.39	ENSG00000198026	ZNF335	chr20	-	44010700	44011126	no
4364	0.0305	-4.04	ENSG00000044524	EPHA3	chr3	+	89341700	89342360	no
4364	0.0305	-8.96	ENSG00000044524	EPHA3	chr3	+	89611237	89613972	no
4365	0.0308	-8.82	ENSG00000107897	ACBD5	chr10	-	27524152	27526377	no
4366	0.0309	-6.12	ENSG00000100150	DEPDC5	chr22	+	30632191	30633000	no
4367	0.0309	-4.28	ENSG00000099326	MZF1	chr19	-	63776234	63776754	no
4367	0.0309	-2.45	ENSG00000099326	MZF1	chr19	-	63774173	63774608	no
4368	0.0312	-2.04	ENSG00000130477	UNC13A	chr19	-	17627692	17628207	no
4368	0.0312	-2.16	ENSG00000130477	UNC13A	chr19	-	17573167	17578163	no
4369	0.0313	-2.8	ENSG00000158411	MITD1	chr2	-	99153432	99153547	no
4370	0.0315	-6.86	ENSG00000136856	SLC2A8	chr9	+	129206918	129207091	yes,JnId_h_79101
4370	0.0315	-10.48	ENSG00000136856	SLC2A8	chr9	+	129209212	129209998	yes,JnId_h_79103
4371	0.0315	-8.83	ENSG00000147852	VLDLR	chr9	+	2643833	2644485	no
4372	0.0317	-4.14	ENSG00000106080	FKBP14	chr7	-	30019409	30021034	no
4373	0.0319	-2.87	ENSG00000126581	BECN1	chr17	-	38215681	38216472	no
4374	0.0322	-3.42	ENSG00000105972	C7orf20	chr7	+	882717	882963	no
4374	0.0322	-2.59	ENSG00000105972	C7orf20	chr7	+	893533	893682	no
4374	0.0322	-3.1	ENSG00000105972	C7orf20	chr7	+	901497	902597	no
4375	0.0323	-9.24	ENSG00000152022	LIX1L	chr1	+	144209893	144213026	no
4376	0.0327	-7.49	ENSG00000167695	FAM57A	chr17	+	582548	582759	no
4377	0.0329	-3.25	ENSG00000160813	C7orf47	chr7	-	99871700	99872030	no
4378	0.0334	-9.87	ENSG00000135315	KIAA1009	chr6	-	84918983	84919617	no
4379	0.0335	-2.15	ENSG00000007376	RPUSD1	chr16	-	777557	777745	no
4380	0.0336	-4.17	ENSG00000196843	ARID5A	chr2	+	96579217	96579749	yes,JnId_h_46815
4381	0.0336	-6.37	ENSG00000100711	ZFYVE21	chr14	+	103269073	103269757	no
4382	0.0338	-4.04	ENSG00000128159	TUBGCP6	chr22	-	48998245	48998383	no
4383	0.0338	-2.1	ENSG00000164051	CCDC51	chr3	-	48448591	48449580	no
4384	0.0338	-3.41	ENSG00000116809	ZBTB17	chr1	-	16140951	16141334	no
4385	0.0339	-24.27	ENSG00000184281	TSSC4	chr11	+	2378294	2378604	no
4386	0.034	-2.06	ENSG00000053747	LAMA3	chr18	+	19788465	19789025	no
4387	0.034	-2.88	ENSG00000172339	ALG14	chr1	-	95220885	95221450	no

4388	0.0341	-5.97	ENSG00000149262	INTS4	chr11	-	77267416	77267821	no	
4389	0.0341	-3.01	ENSG00000111707	SUDS3	chr12	+	117336523	117340223	no	
4390	0.0344	-2.37	ENSG00000171703	TCEA2	chr20	+	62164454	62165181	no	
4391	0.0346	-2.09	ENSG00000183828	NUDT14	chr14	-	104718511	104718685	no	
4392	0.0346	-3.16	ENSG00000178105	DDX10	chr11	+	108091816	108091903	no	
4393	0.0347	-3.8	ENSG00000159685	CHCHD6	chr3	+	128161729	128161934	no	
4394	0.0351	-2.84	ENSG00000042445	RETSAT	chr2	-	85422733	85424015	no	
4395	0.0351	-3.72	ENSG00000123384	LRP1	chr12	+	55808543	55809081	no	
4395	0.0351	-2.94	ENSG00000123384	LRP1	chr12	+	55892465	55893390	no	
4396	0.0354	-2.14	ENSG00000102096	PIM2	chrX	-	48655403	48656515	no	
4397	0.0354	-2.2	ENSG00000168758	SEMA4C	chr2	-	96897242	96897387	no	
4397	0.0354	-2.6	ENSG00000168758	SEMA4C	chr2	-	96891201	96891358	no	
4397	0.0354	-2.44	ENSG00000168758	SEMA4C	chr2	-	96889206	96890919	no	
4397	0.0354	-3.56	ENSG00000034063	UHRF1	chr19	+	4911668	4913158	no	
4399	0.0361	-3.94	ENSG00000211445	GPX3	chr5	+	150380112	150380495	no	
4400	0.0369	-2.73	ENSG00000073008	PVR	chr19	+	49853850	49854008	yes	JnId_h_42911
4401	0.0374	-2.14	ENSG00000070018	LRP6	chr12	-	12182526	12182735	no	
4402	0.0377	-2.24	ENSG00000111266	DUSP16	chr12	-	12606318	12606584	no	
4403	0.0377	-2.45	ENSG00000139624	LASS5	chr12	-	48824002	48824107	no	
4403	0.0377	-2.55	ENSG00000139624	LASS5	chr12	-	48809849	48810744	no	
4404	0.0378	-3.1	ENSG00000100241	SBF1	chr22	-	49253671	49253756	yes	JnId_h_55289
4404	0.0378	-3.82	ENSG00000100241	SBF1	chr22	-	49253081	49253218	yes	JnId_h_55282
4405	0.0384	-2.04	ENSG00000104637	Q6QWG9	chr8	-	10659885	10660836	yes	JnId_b_59578
4406	0.0384	-4.49	ENSG00000144712	CAND2	chr3	+	12826558	12826823	no	
4406	0.0384	-2.3	ENSG00000144712	CAND2	chr3	+	12850254	12851301	no	
4407	0.0386	-2.14	ENSG00000116954	RRAGC	chr1	-	39097669	39098082	no	
4408	0.0386	-2.73	ENSG00000133739	LRRCC1	chr8	+	86206702	86206886	no	
4409	0.0386	-2.08	ENSG00000173153	ESRRA	chr11	+	63831216	63831552	yes	JnId_b_10674
4409	0.0386	-2.18	ENSG00000173153	ESRRA	chr11	+	63838792	63838959	no	
4410	0.0388	-13.58	ENSG00000006327	TNFRSF12A	chr16	+	3010343	3010761	no	
4411	0.0388	-7.67	ENSG00000056050	C4orf27	chr4	-	170899683	170899833	no	
4411	0.0388	-4	ENSG00000056050	C4orf27	chr4	-	170889430	170889602	no	
4412	0.0388	-2.83	ENSG00000197265	GTF2E2	chr8	-	30635032	30635260	no	
4412	0.0388	-6.64	ENSG00000197265	GTF2E2	chr8	-	30555422	30556096	no	
4413	0.0389	-4.83	ENSG00000111554	MDM1	chr12	-	66974613	66975413	no	
4414	0.0390	-3.78	ENSG00000143126	CELSR2	chr1	+	109618167	109619895	no	
4415	0.0391	-3.04	ENSG00000167716	WDR81	chr17	+	1585616	1586262	yes	JnId_h_32399
4416	0.0393	-25.83	ENSG00000133195	SLC39A11	chr17	-	68153684	68155396	no	
4417	0.0394	-2.19	ENSG00000076513	ANKRD13A	chr12	+	108921618	108921972	yes	JnId_b_15452
4417	0.0394	-2.81	ENSG00000076513	ANKRD13A	chr12	+	108952833	108952946	no	
4418	0.0395	-3.99	ENSG00000196476	C20orf96	chr20	-	199524	199908	no	
4419	0.0395	-2.12	ENSG00000134871	COL4A2	chr13	+	109757632	109757876	no	
4420	0.0398	-4.17	ENSG00000006432	MAP3K9	chr14	-	70264746	70267334	no	
4421	0.0405	-2.61	ENSG00000087903	RFX2	chr19	-	5944175	5945961	no	
4422	0.0406	-5.1	ENSG00000063761	ADCK1	chr14	+	77469316	77470047	no	
4423	0.0407	-2.2	ENSG00000166847	DCTN5	chr16	+	23585869	23588683	no	
4424	0.0411	-7.12	ENSG00000127359	KIAA1147	chr7	-	141048155	141048411	no	
4425	0.0418	-8.68	ENSG00000149483	TMEM138	chr11	+	60886083	60886468	no	
4426	0.0419	-3.7	ENSG00000155508	CNOT8	chr5	+	154218299	154218521	yes	JnId_b_52718
4427	0.0422	-34.74	ENSG00000066248	NGEF	chr2	-	233451665	233452633	no	
4428	0.0427	-2.24	ENSG00000196814	FAM125B	chr9	+	128305277	128309141	no	
4429	0.0428	-3.12	ENSG00000144645	OSBPL10	chr3	-	31677324	31678612	no	
4430	0.0431	-2.86	ENSG00000174780	SRP72	chr4	+	57048872	57048936	no	
4430	0.0431	-4.33	ENSG00000174780	SRP72	chr4	+	57050311	57050406	yes	JnId_b_49378
4431	0.0432	-3.37	ENSG00000168564	CDKN2AIP	chr4	+	184604235	184606340	no	
4432	0.0435	-2.59	ENSG00000164970	C9orf25	chr9	-	34392248	34392465	no	
4433	0.0438	-2.24	ENSG00000135847	ACBD6	chr1	-	178523988	178524275	no	
4434	0.044	-3.46	ENSG00000198208	RPS6KL1	chr14	-	74445999	74446604	no	
4435	0.0446	-23.06	ENSG00000124786	SLC35B3	chr6	-	8358300	8358931	no	
4436	0.0446	-2.26	ENSG00000152409	A1L4P5	chr5	+	78653185	78653704	no	
4437	0.0449	-3.71	ENSG00000112367	KIAA0274	chr6	+	110252984	110253327	no	
4438	0.0452	-7.8	ENSG00000131941	RHPN2	chr19	-	38161339	38163002	no	
4439	0.0454	-5.44	ENSG00000177769	TSPAN4	chr11	+	856562	857116	no	
4440	0.0456	-22.79	ENSG00000125841	NRSN2	chr20	+	277893	278007	no	

4441	0.0459	-2.14	ENSG00000128872	TMOD2	chr15	+	49887909	49889634	yes	JnId_h_26536
4442	0.0459	-2.16	ENSG00000115170	ACVR1	chr2	-	158301207	158302423	no	
4443	0.046	-2.22	ENSG00000116793	PHTF1	chr1	-	114103168	114103621	no	
4444	0.0462	-2.29	ENSG00000165118	C9orf64	chr9	-	85743046	85744478	no	
4444	0.0462	-3.54	ENSG00000119720	C14orf102	chr14	-	89814151	89814558	no	
4446	0.0462	-3.6	ENSG00000087077	TRIP6	chr7	+	100308730	100309004	no	
4447	0.0463	-4.15	ENSG00000070371	CLTCL1	chr22	-	17546989	17547482	no	
4448	0.0463	-19.23	ENSG00000109066	TMEM104	chr17	+	70343661	70347484	no	
4449	0.0464	-3.19	ENSG00000028310	BRD9	chr5	-	939707	939882	no	
4449	0.0464	-3.12	ENSG00000028310	BRD9	chr5	-	916856	917683	no	
4450	0.0465	-18.25	ENSG00000149115	TNKS1BP1	chr11	-	56823694	56824131	no	
4451	0.0467	-2.24	ENSG00000108423	TUBD1	chr17	-	55291633	55292567	no	
4452	0.047	-8.04	ENSG00000033100	CHGUT_HUMAN	chr7	+	150565393	150566838	no	
4453	0.048	-9.33	ENSG00000106692	FCMD	chr9	+	107437153	107443220	no	
4454	0.0482	-5.64	ENSG00000197894	ADH5	chr4	-	100212327	100212615	no	
4455	0.0487	-3.96	ENSG00000141337	ARSG	chr17	+	63927925	63928549	no	
4456	0.0487	-4.1	ENSG00000033327	GAB2	chr11	-	77603990	77608109	no	
4457	0.049	-5.7	ENSG00000145016	Q5HYI6	chr3	-	198887485	198888306	no	
4457	0.049	-5.26	ENSG00000145016	Q5HYI6	chr3	-	198883253	198884573	no	
4458	0.0492	-4.49	ENSG00000100523	DDHD1	chr14	-	52688729	52689750	no	
4458	0.0492	-5.44	ENSG00000100523	DDHD1	chr14	-	52582495	52583417	yes	JnId_b_18786
4459	0.05	-2.11	ENSG00000167566	KIAA1602	chr12	-	48471196	48472638	no	