

GeneRank	CASI	zScore_CASI	ENSEMBL ID	gene symbol	chr	strand	exon start	exon end	support from alternative splice junction
1	0	-3.73	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_6664
1	0	-5.09	ENSG00000065882	TBC1D1	chr4	+	37569115	37569364	yes,JnId_b_49018
1	0	-3.67	ENSG00000065882	TBC1D1	chr4	+	37580019	37580528	yes,JnId_h_61143
1	0	-4.81	ENSG00000065882	TBC1D1	chr4	+	37815151	37817189	no
1	0	-2.27	ENSG00000205751	MRPL23	chr11	+	1925084	1925185	yes,JnId_h_12164
1	0	-2.4	ENSG00000196531	NACA	chr12	-	55405314	55407248	no
1	0	-2.03	ENSG00000124593	C6orf49	chr6	+	41862156	41863541	no
1	0	-2.81	ENSG00000009307	NRAS	chr1	-	115081615	115081707	"yes,JnId_h_4828;JnId_h_4833"
1	0	-2.21	ENSG00000009307	NRAS	chr1	-	115060802	115062360	no
1	0	-2.19	ENSG00000009307	NRAS	chr1	-	115060194	115060321	no
1	0	-3.1	ENSG00000009307	NRAS	chr1	-	115057944	115058122	no
1	0	-3.13	ENSG00000009307	NRAS	chr1	-	115053713	115053872	no
1	0	-3.28	ENSG00000009307	NRAS	chr1	-	115052675	115052798	no
1	0	-4.36	ENSG00000009307	NRAS	chr1	-	115048613	115052194	no
1	0	-2.47	ENSG00000164104	HMGB2	chr4	-	174491998	174492851	no
1	0	-3.08	ENSG00000092199	HNRPC	chr14	-	20747138	20749305	no
1	0	-2.45	ENSG00000122359	ANXA11	chr10	-	81913085	81913141	no
1	0	-9.23	ENSG00000122359	ANXA11	chr10	-	81900625	81905648	no
1	0	-7.3	ENSG00000164587	RPS14	chr5	-	149802945	149804109	no
1	0	-4.93	ENSG00000122566	HNRPA2B1	chr7	-	26203767	26206929	"yes,JnId_h_71352;JnId_h_71353;JnId_h_71353;JnId_h_71354;JnId_h_71354"
1	0	-5.85	ENSG00000122566	HNRPA2B1	chr7	-	26196459	26198722	"yes,JnId_h_71340;JnId_h_71341;JnId_h_71341"
1	0	-3.59	ENSG00000174886	NDUFA11	chr19	-	5842287	5844301	no
1	0	-7.66	ENSG00000144713	RPL32	chr3	-	12850989	12852722	no
1	0	-2.5	ENSG00000134046	MBD2	chr18	-	49934573	49935679	no
1	0	-2.77	ENSG00000137154	RPS6	chr9	-	19365713	19366386	yes,JnId_h_77115
1	0	-3.51	ENSG00000172115	CYCS	chr7	-	25124802	25129993	no
1	0	-7.39	ENSG00000136942	RPL35	chr9	-	126660376	126660637	yes,JnId_h_78987
1	0	-4.92	ENSG00000196262	PPIA	chr7	+	44807411	44809240	no
1	0	-15.68	ENSG00000149925	ALDOA	chr16	+	29982551	29983070	no
1	0	-5.69	ENSG00000149925	ALDOA	chr16	+	29983246	29983327	no
1	0	-2.07	ENSG00000149925	ALDOA	chr16	+	29988939	29989235	yes,JnId_b_23910
1	0	-2.08	ENSG00000070756	PABPC1	chr8	-	101802795	101804115	"yes,JnId_h_75966;JnId_h_75965"
1	0	-4.75	ENSG00000070756	PABPC1	chr8	-	101784320	101784763	yes,JnId_b_60849
1	0	-4.98	ENSG00000189043	NDUFA4	chr7	-	10938143	10939844	no
1	0	-4.19	ENSG00000172757	CFL1	chr11	-	65382144	65382677	no
1	0	-3.71	ENSG00000125691	RPL23	chr17	-	34263477	34263579	yes,JnId_h_34679
1	0	-4.9	ENSG00000125691	RPL23	chr17	-	34259020	34259993	no
1	0	-2.05	ENSG00000100316	RPL3	chr22	-	38040058	38040159	yes,JnId_h_54577
1	0	-3.01	ENSG00000165119	HNRPK	chr9	-	85784888	85784985	yes,JnId_h_77929
1	0	-17.91	ENSG00000165119	HNRPK	chr9	-	85780197	85780843	no
1	0	-7.85	ENSG00000165119	HNRPK	chr9	-	85772818	85774175	no
1	0	-5.98	ENSG00000065150	RANBP5	chr13	+	97471991	97474552	no
1	0	-2.72	ENSG00000135390	ATP5G2	chr12	-	52345253	52345479	no
1	0	-7.33	ENSG00000157654	PALM2	chr9	+	111744787	111753577	no
1	0	-83.18	ENSG00000105372	RPS19	chr19	+	47055828	47056199	no
1	0	-43.87	ENSG00000108107	RPL28	chr19	+	60591423	60595261	"yes,JnId_h_44017;JnId_h_44016"
1	0	-16.34	ENSG00000092621	PHGDH	chr1	+	120063773	120065467	yes,JnId_h_4958
1	0	-3.13	ENSG00000064489	MEF2B	chr19	-	19158702	19158814	"yes,JnId_b_33350;JnId_b_33346"
1	0	-2.73	ENSG00000064489	MEF2B	chr19	-	19154382	19154492	"yes,JnId_b_33338;JnId_b_33346"
1	0	-5.9	ENSG00000064489	MEF2B	chr19	-	19150660	19152570	"yes,JnId_b_33338;JnId_b_33346"
1	0	-4.02	ENSG00000064489	MEF2B	chr19	-	19148712	19149328	yes,JnId_h_41713
1	0	-6	ENSG00000187109	NAP1L1	chr12	-	74726227	74728511	yes,JnId_h_19128
1	0	-5.38	ENSG00000198034	RPS4X	chrX	-	71413768	71413875	no
1	0	-6.12	ENSG00000198034	RPS4X	chrX	-	71408617	71409347	no
1	0	-7.88	ENSG00000102144	PGK1	chrX	+	77267943	77271449	no
1	0	-6.39	ENSG00000080824	HSP90AA1	chr14	-	101675340	101675776	no
1	0	-20.25	ENSG00000140350	ANP32A	chr15	-	66868636	66871641	no
1	0	-4.67	ENSG00000140350	ANP32A	chr15	-	66858321	66859535	no
1	0	-6.26	ENSG00000188428	TXNDC5	chr6	-	8009497	8009646	no
1	0	-7.49	ENSG00000188428	TXNDC5	chr6	-	7986371	7986500	no
1	0	-9	ENSG00000188428	TXNDC5	chr6	-	7958799	7961060	yes,JnId_b_53513
1	0	-3.22	ENSG00000204418	CLIC1	chr6	-	31804621	31805548	no
1	0	-4.32	ENSG00000102572	STK24	chr13	-	97910627	97910695	no

1	0	-12.99	ENSG00000102572	STK24	chr13	-	97906248	97906815	yes,JnId_h_22362
1	0	-4.38	ENSG00000102572	STK24	chr13	-	97900456	97903464	no
1	0	-3.67	ENSG00000197958	RPL12	chr9	-	129249774	129250089	yes,JnId_h_79106
1	0	-2.36	ENSG00000154518	ATP5G3	chr2	-	175754630	175757581	yes,JnId_b_38863
1	0	-7.67	ENSG00000067225	PKM2	chr15	-	70310291	70310738	"yes,JnId_h_27206;JnId_h_27207"
1	0	-9.52	ENSG00000067225	PKM2	chr15	-	70282417	70282583	yes,JnId_h_27197
1	0	-5.3	ENSG00000196084	Q3MIH3	chr19	+	18543614	18543719	yes,JnId_h_41594
1	0	-5.78	ENSG00000196084	Q3MIH3	chr19	+	18546867	18549269	no
1	0	-2.11	ENSG00000070214	SLC44A1	chr9	+	107046724	107047006	yes,JnId_b_62905
1	0	-3.24	ENSG00000070214	SLC44A1	chr9	+	107160446	107160535	no
1	0	-6.49	ENSG00000070214	SLC44A1	chr9	+	107191135	107199448	no
1	0	-2.88	ENSG00000009413	REV3L	chr6	-	111726924	111728052	no
1	0	-2.76	ENSG00000129351	ILF3	chr19	+	10625980	10626163	yes,JnId_b_32267
1	0	-2.46	ENSG00000129351	ILF3	chr19	+	10642192	10642284	yes,JnId_b_32265
1	0	-7.07	ENSG00000129351	ILF3	chr19	+	10656092	10656152	"yes,JnId_h_40610;JnId_h_40617;JnId_h_40618;JnId_h_40619"
1	0	-5.75	ENSG00000129351	ILF3	chr19	+	10660855	10664095	yes,JnId_h_40623
1	0	-5.6	ENSG00000044574	HSPA5	chr9	-	127036953	127039254	no
49	3.91e-319	-17.36	ENSG00000142541	RPL13A	chr19	+	54686798	54687374	yes,JnId_h_43517
50	1.02e-318	-8.13	ENSG00000143549	TPM3	chr1	-	152411129	152411777	no
51	4.49e-318	-2.12	ENSG00000163931	TKT	chr3	-	53235812	53235934	"yes,JnId_b_46327;JnId_b_46328;JnId_b_46330"
51	4.49e-318	-2.94	ENSG00000163931	TKT	chr3	-	53234807	53234987	"yes,JnId_b_46327;JnId_b_46328"
51	4.49e-318	-16.25	ENSG00000163931	TKT	chr3	-	53233770	53234665	no
52	8.84e-316	-6.65	ENSG00000198563	ATP6V1G2	chr6	-	31620218	31621337	no
53	6.15e-315	-5.33	ENSG00000100297	MCM5	chr22	+	34126128	34126201	no
53	6.15e-315	-6	ENSG00000100297	MCM5	chr22	+	34136402	34136903	no
53	6.15e-315	-7.96	ENSG00000100297	MCM5	chr22	+	34147311	34150494	"yes,JnId_h_54248;JnId_h_54249;JnId_h_54249"
54	5.84e-313	-36.51	ENSG00000184640	9-Sep	chr17	+	72909732	72910380	no
54	5.84e-313	-2.04	ENSG00000184640	9-Sep	chr17	+	72989821	72990012	no
54	5.84e-313	-5.94	ENSG00000184640	9-Sep	chr17	+	73006200	73008269	yes,JnId_b_29532
55	7.61e-312	-24.14	ENSG00000175390	EIF3S5	chr11	+	7974068	7976283	no
56	1.34e-308	-6.26	ENSG00000113916	BCL6	chr3	-	188945892	188946169	no
56	1.34e-308	-2.97	ENSG00000113916	BCL6	chr3	-	188921859	188923083	no
57	3.40e-308	-9.45	ENSG00000168952	STXBP6	chr14	-	24354708	24357155	yes,JnId_b_18404
57	3.40e-308	-2.59	ENSG00000168952	STXBP6	chr14	-	24348708	24351778	no
58	6.16e-305	-2.29	ENSG00000160967	CUTL1	chr7	+	101626634	101627305	yes,JnId_h_72920
58	6.16e-305	-2.15	ENSG00000160967	CUTL1	chr7	+	101631360	101632204	yes,JnId_h_72920
58	6.16e-305	-2.06	ENSG00000160967	CUTL1	chr7	+	101634391	101634556	yes,JnId_h_72920
58	6.16e-305	-2.5	ENSG00000160967	CUTL1	chr7	+	101664052	101664240	yes,JnId_h_72920
58	6.16e-305	-2.74	ENSG00000160967	CUTL1	chr7	+	101669320	101669584	yes,JnId_h_72920
58	6.16e-305	-3.66	ENSG00000160967	CUTL1	chr7	+	101678412	101679860	yes,JnId_h_72920
59	2.47e-303	-4.4	ENSG00000112081	SFRS3	chr6	+	36675576	36676031	no
59	2.47e-303	-4.26	ENSG00000112081	SFRS3	chr6	+	36677717	36679187	no
60	1.13e-299	-3.69	ENSG00000115758	ODC1	chr2	-	10505698	10506081	no
60	1.13e-299	-4.93	ENSG00000115758	ODC1	chr2	-	10497545	10498445	no
61	1.10e-297	-19.69	ENSG00000104529	EEF1D	chr8	-	144742304	144743394	"yes,JnId_h_76546;JnId_h_76547"
62	2.37e-294	-4.37	ENSG00000113719	ERGIC1	chr5	+	172193947	172194042	no
62	2.37e-294	-9.07	ENSG00000113719	ERGIC1	chr5	+	172274323	172277940	yes,JnId_h_66303
63	1.49e-288	-3.78	ENSG00000163479	SSR2	chr1	-	154246636	154251484	yes,JnId_h_5931
64	1.15e-284	-2.64	ENSG00000078369	GNB1	chr1	-	1760489	1760537	yes,JnId_h_255
64	1.15e-284	-2.74	ENSG00000078369	GNB1	chr1	-	1706589	1708352	no
65	8.68e-279	-5.14	ENSG00000168066	SF1	chr11	-	64302035	64302834	yes,JnId_h_14137
65	8.68e-279	-3.61	ENSG00000168066	SF1	chr11	-	64288654	64290203	"yes,JnId_h_14120;JnId_h_14122;JnId_h_14123"
66	8.64e-277	-3.44	ENSG00000115053	NCL	chr2	-	232027704	232028222	no
67	1.77e-276	-3.54	ENSG00000125971	DYNLRB1	chr20	+	32567865	32568342	no
68	1.12e-262	-25.84	ENSG00000142937	RPS8	chr1	+	45013696	45013859	no
68	1.12e-262	-9.62	ENSG00000142937	RPS8	chr1	+	45016835	45017038	yes,JnId_h_2900
69	5.44e-261	-2.42	ENSG00000196642	C9orf86	chr9	+	138807092	138807530	no
69	5.44e-261	-3.54	ENSG00000196642	C9orf86	chr9	+	138820351	138820945	no
69	5.44e-261	-2.52	ENSG00000196642	C9orf86	chr9	+	138822013	138824308	no
69	5.44e-261	-2.76	ENSG00000196642	C9orf86	chr9	+	138847993	138848589	yes,JnId_h_80177
70	8.91e-260	-2.02	ENSG00000145687	SSBP2	chr5	-	81082556	81082828	no
70	8.91e-260	-6.01	ENSG00000145687	SSBP2	chr5	-	80744596	80752108	yes,JnId_b_51546
71	1.00e-258	-19.51	ENSG00000198211	MC1R	chr16	+	88513168	88514117	no
71	1.00e-258	-6.84	ENSG00000198211	MC1R	chr16	+	88517285	88517367	no

72	4.84e-254	-13.63	ENSG00000072501	SMC1A	chrX	-	53465570	53465848	"yes,JnId_h_81376;JnId_h_81378"
72	4.84e-254	-3.45	ENSG00000072501	SMC1A	chrX	-	53458432	53458544	yes,JnId_h_81376
72	4.84e-254	-3.03	ENSG00000072501	SMC1A	chrX	-	53453077	53453159	no
72	4.84e-254	-3.62	ENSG00000072501	SMC1A	chrX	-	53443236	53443377	yes,JnId_h_81360
72	4.84e-254	-2.39	ENSG00000072501	SMC1A	chrX	-	53440117	53440262	yes,JnId_h_81360
72	4.84e-254	-8.6	ENSG00000072501	SMC1A	chrX	-	53417795	53423832	no
73	1.89e-251	-7.9	ENSG00000103275	UBE2I	chr16	+	1310440	1311765	no
73	1.89e-251	-2.42	ENSG00000103275	UBE2I	chr16	+	1314732	1315391	no
74	2.4e-247	-5.89	ENSG00000198561	CTNND1	chr11	+	57264147	57265020	no
74	2.4e-247	-22.86	ENSG00000198561	CTNND1	chr11	+	57340345	57343226	no
75	2.09e-243	-2.4	ENSG00000116560	SFPQ	chr1	-	35429529	35429717	no
75	2.09e-243	-4.46	ENSG00000116560	SFPQ	chr1	-	35425391	35425439	no
75	2.09e-243	-4.58	ENSG00000116560	SFPQ	chr1	-	35425189	35425310	no
75	2.09e-243	-17.27	ENSG00000116560	SFPQ	chr1	-	35421120	35422781	no
76	3.83e-242	-2.11	ENSG00000114867	EIF4G1	chr3	+	185515033	185515156	yes,JnId_h_60115
76	3.83e-242	-3.46	ENSG00000114867	EIF4G1	chr3	+	185515788	185516338	"yes,JnId_h_60114;JnId_h_60115;JnId_h_60116"
76	3.83e-242	-4.01	ENSG00000114867	EIF4G1	chr3	+	185535209	185535839	no
77	5.92e-242	-4.94	ENSG00000099995	SF3A1	chr22	-	29057979	29060684	no
78	1.78e-241	-3.05	ENSG00000081237	PTPRC	chr1	+	196991658	196993035	no
79	1.97e-241	-6.94	ENSG00000036257	CUL3	chr2	-	225043113	225047337	yes,JnId_h_49395
80	1.65e-240	-3.05	ENSG00000127022	CANX	chr5	+	179088198	179091243	no
81	9.57e-237	-2.91	ENSG00000089157	RPLP0	chr12	-	119122916	119123077	"yes,JnId_h_20418;JnId_h_20420"
81	9.57e-237	-3.13	ENSG00000089157	RPLP0	chr12	-	119118893	119119120	no
82	1.26e-231	-3.65	ENSG00000119318	RAD23B	chr9	+	109131645	109134291	no
83	2.24e-227	-32.65	ENSG00000173959	RBM14	chr11	+	66150362	66153961	no
84	3.95e-226	-6.53	ENSG00000047849	MAP4	chr3	-	47925532	47926882	yes,JnId_h_56795
84	3.95e-226	-2.04	ENSG00000047849	MAP4	chr3	-	47893414	47894017	no
85	5.41e-224	-9.65	ENSG00000125354	6-Sep	chrX	-	118711067	118711361	no
85	5.41e-224	-4.83	ENSG00000125354	6-Sep	chrX	-	118634936	118638042	"yes,JnId_h_82340;JnId_h_82341"
85	5.41e-224	-17.17	ENSG00000125354	6-Sep	chrX	-	118633718	118634733	no
86	1.24e-221	-3.58	ENSG00000135387	CAPRIN1	chr11	+	34029806	34029994	no
86	1.24e-221	-2.17	ENSG00000135387	CAPRIN1	chr11	+	34050024	34050110	yes,JnId_b_9648
86	1.24e-221	-5.81	ENSG00000135387	CAPRIN1	chr11	+	34077426	34080733	no
87	4.82e-219	-2.15	ENSG00000135316	SYNCRIP	chr6	-	86380543	86381784	no
87	4.82e-219	-3.02	ENSG00000135316	SYNCRIP	chr6	-	86374772	86379360	no
88	9.65e-217	-3.42	ENSG00000132507	EIF5AP1	chr17	+	7151042	7151158	no
88	9.65e-217	-2.38	ENSG00000132507	EIF5AP1	chr17	+	7151416	7151795	yes,JnId_h_33015
89	1.97e-216	-4.71	ENSG00000198833	UBE2J1	chr6	-	90093066	90096395	yes,JnId_h_69242
90	2.87e-216	-2.69	ENSG00000131174	COX7B	chrX	+	77047337	77049526	no
91	8.41e-216	-2.42	ENSG00000116473	RAP1A	chr1	+	111963928	111964079	no
91	8.41e-216	-8.94	ENSG00000116473	RAP1A	chr1	+	112056576	112060836	no
92	5.44e-214	-3.66	ENSG00000115875	SFRS7	chr2	-	38824245	38825833	yes,JnId_h_45318
93	1.29e-213	-4.13	ENSG00000065978	YBX1	chr1	+	42940239	42940660	no
94	9.74e-211	-2.64	ENSG00000132341	RAN	chr12	+	129922521	129922624	no
94	9.74e-211	-12.16	ENSG00000132341	RAN	chr12	+	129926380	129927316	no
95	9.51e-209	-3.29	ENSG00000109475	RPL34	chr4	+	109770626	109771086	no
96	1.13e-206	-3.15	ENSG00000079805	DNM2	chr19	+	10684794	10685021	no
96	1.13e-206	-4.77	ENSG00000079805	DNM2	chr19	+	10773964	10776400	no
97	1.27e-206	-2.18	ENSG00000198668	CALM1	chr14	+	89940786	89940904	no
97	1.27e-206	-14.28	ENSG00000198668	CALM1	chr14	+	89941189	89944148	no
98	3,00E-206	-16.22	ENSG00000101558	VAPA	chr18	+	9944050	9949571	no
99	1.53e-203	-21.24	ENSG00000089009	RPL6	chr12	-	111331598	111331826	"yes,JnId_h_20149;JnId_h_20146;JnId_h_20148"
100	1.42e-202	-3.48	ENSG00000011052	NME1	chr17	+	46586585	46586804	yes,JnId_h_35992
101	3.09e-202	-11.27	ENSG00000055163	CYFIP2	chr5	+	156625669	156625783	no
101	3.09e-202	-3.38	ENSG00000055163	CYFIP2	chr5	+	156667347	156667451	"yes,JnId_b_52755;JnId_b_52764"
101	3.09e-202	-6.11	ENSG00000055163	CYFIP2	chr5	+	156752419	156755184	no
102	1.11e-201	-25.39	ENSG00000173436	C1orf151	chr1	+	19825468	19828901	no
103	2.88e-198	-2.17	ENSG00000143799	PARP1	chr1	-	224616293	224616407	no
103	2.88e-198	-3.71	ENSG00000143799	PARP1	chr1	-	224615015	224615865	no
104	1.93e-196	-2.51	ENSG00000110777	POU2AF1	chr11	-	110755097	110755627	yes,JnId_b_12210
105	1.18e-194	-4.18	ENSG00000071564	TCF3	chr19	-	1566284	1566519	yes,JnId_h_39461
105	1.18e-194	-3.48	ENSG00000071564	TCF3	chr19	-	1561964	1562848	"yes,JnId_h_39458;JnId_h_39459;JnId_h_39459"
106	4.2e-193	-4.45	ENSG00000163466	ARPC2	chr2	+	218790119	218790222	yes,JnId_b_39388
106	4.2e-193	-5.09	ENSG00000163466	ARPC2	chr2	+	218826859	218827315	no

107	6.49e-193	-2.41	ENSG00000110321	EIF4G2	chr11	-	10777336	10777547	yes,JnId_b_9379
107	6.49e-193	-2.18	ENSG00000110321	EIF4G2	chr11	-	10777115	10777236	no
107	6.49e-193	-4.96	ENSG00000110321	EIF4G2	chr11	-	10775178	10776004	no
108	1.88e-191	-2.46	ENSG00000148773	MKI67	chr10	-	129803182	129804261	yes,JnId_b_8762
109	1.75e-189	-2.96	ENSG00000092820	VIL2	chr6	-	159160337	159160432	no
109	1.75e-189	-2.17	ENSG00000092820	VIL2	chr6	-	159106761	159108098	no
110	2.36e-186	-9.48	ENSG00000166508	MCM7	chr7	-	99536823	99537363	no
110	2.36e-186	-4.26	ENSG00000166508	MCM7	chr7	-	99528851	99528960	no
110	2.36e-186	-4.86	ENSG00000166508	MCM7	chr7	-	99528340	99528692	no
111	2.78e-185	-2.6	ENSG00000100664	EIF5	chr14	+	102877053	102881112	no
112	5.17e-184	-53.26	ENSG00000132475	H3F3B	chr17	-	71284112	71286399	no
113	1.72e-181	-2.09	ENSG00000124795	DEK	chr6	-	18332392	18333940	no
114	6.03e-181	-16.43	ENSG00000117632	STMN1	chr1	-	26105467	26105544	no
114	6.03e-181	-8.63	ENSG00000117632	STMN1	chr1	-	26099180	26100165	yes,JnId_h_1560
115	7,00E-181	-4.6	ENSG00000125818	PSMF1	chr20	+	1093673	1097022	yes,JnId_h_50001
116	2.00e-179	-2.63	ENSG00000154473	BUB3	chr10	+	124913326	124914876	no
117	6.98e-177	-6.72	ENSG00000132780	NASP	chr1	+	45845580	45846596	yes,JnId_h_2994
117	6.98e-177	-4.13	ENSG00000132780	NASP	chr1	+	45856320	45857145	no
118	3.58e-175	-4.23	ENSG00000120690	ELF1	chr13	-	40491364	40491450	yes,JnId_b_16997
118	3.58e-175	-3.39	ENSG00000120690	ELF1	chr13	-	40404168	40406164	no
119	4.13e-175	-4.14	ENSG00000130985	UBE1	chrX	+	46935204	46935293	no
119	4.13e-175	-3.12	ENSG00000130985	UBE1	chrX	+	46938185	46938367	"yes,JnId_h_80993;JnId_h_80997"
119	4.13e-175	-5.05	ENSG00000130985	UBE1	chrX	+	46952905	46954030	yes,JnId_b_64867
120	1.73e-174	-13.49	ENSG00000120963	ZNF706	chr8	-	102278464	102280643	no
121	8.57e-174	-3.71	ENSG00000150459	SAP18	chr13	+	20619325	20621221	no
122	2.81e-173	-4.04	ENSG00000101057	MYBL2	chr20	+	41729123	41729357	no
122	2.81e-173	-3.24	ENSG00000101057	MYBL2	chr20	+	41778013	41778536	no
123	1.06e-172	-19.89	ENSG00000073060	SCARB1	chr12	-	123833952	123837002	"yes,JnId_h_20891;JnId_h_20890"
123	1.06e-172	-7.16	ENSG00000073060	SCARB1	chr12	-	123833182	123833310	"yes,JnId_h_20889;JnId_h_20891"
124	4.51e-172	-5.77	ENSG00000145741	BTF3	chr5	+	72836773	72837216	no
125	4.8e-172	-2.46	ENSG00000152795	HNRPDL	chr4	-	83563388	83564373	no
126	1.52e-170	-2.59	ENSG00000125976	RBM12	chr20	-	33710266	33710350	"yes,JnId_h_50969;JnId_h_50970;JnId_h_50973"
126	1.52e-170	-6.08	ENSG00000125976	RBM12	chr20	-	33700261	33706680	"yes,JnId_h_50969;JnId_h_50970"
126	1.52e-170	-3.02	ENSG00000125976	RBM12	chr20	-	33683853	33684032	yes,JnId_b_40949
126	1.52e-170	-2.33	ENSG00000125976	RBM12	chr20	-	33683499	33683570	yes,JnId_h_50964
127	1.89e-170	-2.97	ENSG00000102898	NUTF2	chr16	+	66462204	66463934	no
128	2.3e-168	-2.62	ENSG00000180879	SSR4	chrX	+	152712165	152713234	no
129	6.11e-168	-9.35	ENSG00000184203	PPP1R2	chr3	-	196722514	196725029	no
130	4.29e-165	-16.26	ENSG00000100836	PABPN1	chr14	+	22859337	22860869	no
130	4.29e-165	-6.1	ENSG00000100836	PABPN1	chr14	+	22864296	22865202	no
131	9.38e-163	-5.14	ENSG00000139746	RBM26	chr13	-	78848353	78849651	no
131	9.38e-163	-2.17	ENSG00000139746	RBM26	chr13	-	78814800	78814967	no
131	9.38e-163	-2.91	ENSG00000139746	RBM26	chr13	-	78791388	78792846	no
131	9.38e-163	-2.91	ENSG00000139746	RBM26	chr13	-	78783960	78787129	no
132	3.03e-162	-4.42	ENSG00000116754	SFRS11	chr1	+	70443953	70444051	no
132	3.03e-162	-3.53	ENSG00000116754	SFRS11	chr1	+	70469819	70470648	yes,JnId_h_3823
132	3.03e-162	-5.31	ENSG00000116754	SFRS11	chr1	+	70488879	70491323	yes,JnId_h_3833
133	1.57e-161	-19.61	ENSG00000109861	CTSC	chr11	-	87693630	87699259	yes,JnId_h_15464
133	1.57e-161	-4.83	ENSG00000109861	CTSC	chr11	-	87666421	87667324	yes,JnId_b_11997
134	1.03e-160	-8.51	ENSG00000112339	HBS1L	chr6	-	135398688	135400857	yes,JnId_h_70032
134	1.03e-160	-6.2	ENSG00000112339	HBS1L	chr6	-	135345289	135346404	no
134	1.03e-160	-8.87	ENSG00000112339	HBS1L	chr6	-	135323209	135328121	no
135	1.15e-160	-3.75	ENSG00000204287	HLA-DRA	chr6	+	32520407	32520943	no
136	2.12e-159	-2.22	ENSG00000071054	MAP4K4	chr2	+	101843719	101843880	yes,JnId_h_47034
136	2.12e-159	-5.01	ENSG00000071054	MAP4K4	chr2	+	101846715	101846945	yes,JnId_h_47034
136	2.12e-159	-2.44	ENSG00000071054	MAP4K4	chr2	+	101865445	101865579	no
136	2.12e-159	-2.74	ENSG00000071054	MAP4K4	chr2	+	101874060	101877583	no
137	1.01e-156	-3.13	ENSG00000168439	STIP1	chr11	+	63728102	63728591	no
138	5.86e-156	-46.7	ENSG00000167088	SNRPD1	chr18	+	17463021	17464342	no
139	1.13e-155	-5.33	ENSG00000117242	DDOST	chr1	-	20847395	20851608	no
140	3.58e-153	-2.03	ENSG00000198700	IPO9	chr1	+	200091534	200091685	"yes,JnId_h_7119;JnId_h_7120"
140	3.58e-153	-4.4	ENSG00000198700	IPO9	chr1	+	200111695	200120045	yes,JnId_h_7133
141	5.48e-152	-6.66	ENSG00000116459	ATP5F1	chr1	+	111805062	111806918	no
142	1.20e-150	-2.69	ENSG00000008952	TLOC1	chr3	+	171193076	171198855	no

143	2.05e-150	-2.49	ENSG00000143569	UBAP2L	chr1	+	152464180	152464313	no
143	2.05e-150	-3.24	ENSG00000143569	UBAP2L	chr1	+	152500692	152500797	yes,JnId_h_5596
143	2.05e-150	-10.88	ENSG00000143569	UBAP2L	chr1	+	152502203	152502605	yes,JnId_h_5596
143	2.05e-150	-2.59	ENSG00000143569	UBAP2L	chr1	+	152505601	152505668	yes,JnId_b_4126
143	2.05e-150	-4.46	ENSG00000143569	UBAP2L	chr1	+	152507857	152508054	yes,JnId_b_4126
143	2.05e-150	-9.08	ENSG00000143569	UBAP2L	chr1	+	152509300	152509952	yes,JnId_h_5599
144	6.34e-150	-12.73	ENSG00000112531	QKI	chr6	+	163905689	163911167	yes,JnId_h_70652
144	6.34e-150	-2.89	ENSG00000112531	QKI	chr6	+	163911716	163914886	yes,JnId_h_70656
145	1.79e-149	-2.6	ENSG00000049618	ARID1B	chr6	+	157140756	157142297	yes,JnId_b_56278
145	1.79e-149	-5.47	ENSG00000049618	ARID1B	chr6	+	157511450	157515224	no
146	1.92e-149	-3.16	ENSG00000168000	HNRPUL2	chr11	-	62229349	62229665	no
146	1.92e-149	-3.23	ENSG00000168000	HNRPUL2	chr11	-	62218616	62218759	no
146	1.92e-149	-2.46	ENSG00000168000	HNRPUL2	chr11	-	62216711	62216845	no
146	1.92e-149	-2.54	ENSG00000168000	HNRPUL2	chr11	-	62216424	62216521	no
146	1.92e-149	-3.21	ENSG00000168000	HNRPUL2	chr11	-	62215328	62215469	no
146	1.92e-149	-3.29	ENSG00000168000	HNRPUL2	chr11	-	62214323	62214569	no
147	3.14e-149	-3.95	ENSG00000105323	HNRPUL1	chr19	+	46460264	46460327	no
148	9.86e-148	-3.93	ENSG00000120437	ACAT2	chr6	+	160101350	160103164	no
149	1.28e-147	-2.24	ENSG00000163468	CCT3	chr1	-	154574569	154574819	no
149	1.28e-147	-2.86	ENSG00000163468	CCT3	chr1	-	154545376	154545718	no
150	4.24e-147	-3.3	ENSG00000142583	SLC2A5	chr1	-	9022710 9024583	yes,JnId_b_389	
150	4.24e-147	-4.03	ENSG00000142583	SLC2A5	chr1	-	9017753 9020435	no	
151	4.98e-146	-6.56	ENSG00000138430	GTPBP9	chr2	-	174645421	174648501	no
152	4.48e-145	-2.6	ENSG00000102054	RBBP7	chrX	-	16772385	16773147	no
153	3.46e-144	-5.96	ENSG00000158710	TAGLN2	chr1	-	158161864	158162146	no
154	1.06e-143	-2.19	ENSG00000173442	EHBP1L1	chr11	+	65105586	65107812	no
154	1.06e-143	-2.75	ENSG00000173442	EHBP1L1	chr11	+	65109006	65109638	no
155	1.95e-143	-6.69	ENSG00000142676	RPL11	chr1	+	23895421	23895502	no
156	3.14e-142	-3.46	ENSG00000100503	NIN	chr14	-	50263704	50264219	yes,JnId_h_23672
156	3.14e-142	-2.31	ENSG00000100503	NIN	chr14	-	50262301	50262534	yes,JnId_h_23672
156	3.14e-142	-3.51	ENSG00000100503	NIN	chr14	-	50256232	50260140	no
157	7.1e-141	-8.37	ENSG00000073584	SMARCE1	chr17	-	36057551	36058286	no
157	7.1e-141	-4.18	ENSG00000073584	SMARCE1	chr17	-	36037511	36038771	no
158	9.95e-141	-2.48	ENSG00000112996	MRPS30	chr5	+	44850772	44856287	no
159	2.49e-140	-2.72	ENSG00000090061	CCNK	chr14	+	99030060	99031719	no
160	6.48e-140	-3.86	ENSG00000168488	ATXN2L	chr16	+	28741857	28742380	no
160	6.48e-140	-2.12	ENSG00000168488	ATXN2L	chr16	+	28754755	28756057	"yes,JnId_h_30047;JnId_h_30048;JnId_h_30048;JnId_h_30049;JnId_h_30049"
161	7.24e-139	-2.02	ENSG00000083312	TNPO1	chr5	+	72224960	72225118	yes,JnId_h_64333
161	7.24e-139	-3.14	ENSG00000083312	TNPO1	chr5	+	72236886	72237028	no
161	7.24e-139	-5.11	ENSG00000083312	TNPO1	chr5	+	72240292	72248316	no
162	7.9e-136	-3.08	ENSG00000100650	SFRS5	chr14	+	69302584	69303725	yes,JnId_h_24326
162	7.9e-136	-2.08	ENSG00000100650	SFRS5	chr14	+	69307664	69308474	no
163	9.26e-136	-2.42	ENSG00000054654	SYNE2	chr14	+	63515323	63515485	yes,JnId_b_19010
163	9.26e-136	-2.3	ENSG00000054654	SYNE2	chr14	+	63517457	63517644	no
163	9.26e-136	-2.95	ENSG00000054654	SYNE2	chr14	+	63531515	63531673	yes,JnId_b_19031
163	9.26e-136	-2.63	ENSG00000054654	SYNE2	chr14	+	63552944	63553102	"yes,JnId_b_19031;JnId_b_19034"
163	9.26e-136	-2.4	ENSG00000054654	SYNE2	chr14	+	63554066	63554227	"yes,JnId_b_19031;JnId_b_19034"
163	9.26e-136	-2.55	ENSG00000054654	SYNE2	chr14	+	63558328	63558499	"yes,JnId_b_19031;JnId_b_19034"
163	9.26e-136	-2.06	ENSG00000054654	SYNE2	chr14	+	63584471	63584626	"yes,JnId_b_19031;JnId_b_19034"
164	2.64e-135	-6.14	ENSG00000136718	IMP4	chr2	+	130816453	130816978	no
165	5.53e-135	-2.14	ENSG00000023318	TXNDC4	chr9	-	101809681	101809792	no
165	5.53e-135	-7.29	ENSG00000023318	TXNDC4	chr9	-	101781282	101784816	no
166	2.55e-134	-10.22	ENSG00000168384	HLA-DPA1	chr6	-	33140324	33141102	no
167	2.68e-132	-3.47	ENSG00000170584	NUDCD2	chr5	-	162806112	162813634	no
168	3.06e-131	-2.25	ENSG00000170248	PDCD6IP	chr3	+	33814561	33815433	no
168	3.06e-131	-4.17	ENSG00000170248	PDCD6IP	chr3	+	33882847	33886198	no
169	3.96e-131	-5.95	ENSG00000166197	NOLC1	chr10	+	103911858	103913617	no
170	1.73e-130	-4.41	ENSG00000155368	DBI	chr2	+	119846291	119846586	no
171	5.39e-130	-5.58	ENSG00000107263	RAPGEF1	chr9	-	133604978	133605282	yes,JnId_b_64006
171	5.39e-130	-8.48	ENSG00000107263	RAPGEF1	chr9	-	133484259	133484417	yes,JnId_h_79811
171	5.39e-130	-3.22	ENSG00000107263	RAPGEF1	chr9	-	133453150	133453234	no
172	1.76e-129	-4.01	ENSG00000155966	AFF2	chrX	+	147880447	147889899	no
173	2.95e-129	-2.17	ENSG00000137073	UBAP2	chr9	-	33938372	33938964	no
173	2.95e-129	-2.46	ENSG00000137073	UBAP2	chr9	-	33917795	33918833	no

174	1.13e-128	-2.25	ENSG00000103365	GGA2	chr16	-	23429143	23429309	no
174	1.13e-128	-4.39	ENSG00000103365	GGA2	chr16	-	23383145	23386522	no
175	1.64e-126	-8.09	ENSG00000152558	TMEM123	chr11	-	101772277	101774832	no
176	1.54e-125	-10.31	ENSG00000179335	CLK3	chr15	+	72719271	72724807	no
177	2.56e-125	-10.95	ENSG00000089737	DDX24	chr14	-	93591095	93593996	yes,JnId_h_24997
178	2.39e-124	-2.48	ENSG00000182199	SHMT2	chr12	+	55914053	55914160	yes,JnId_h_18663
178	2.39e-124	-3.82	ENSG00000182199	SHMT2	chr12	+	55914284	55914981	no
179	7.45e-123	-3.85	ENSG00000071626	DAZAP1	chr19	+	1358584	1358801	no
179	7.45e-123	-2.14	ENSG00000071626	DAZAP1	chr19	+	1381221	1381361	yes,JnId_h_39428
179	7.45e-123	-5.67	ENSG00000071626	DAZAP1	chr19	+	1385736	1386683	"yes,JnId_h_39435;JnId_h_39436"
180	1.14e-120	-4.82	ENSG00000058804	TMEM48	chr1	-	54076466	54077121	yes,JnId_b_2718
180	1.14e-120	-2.65	ENSG00000058804	TMEM48	chr1	-	54038954	54039109	no
180	1.14e-120	-4.03	ENSG00000058804	TMEM48	chr1	-	54003721	54006294	no
181	1.67e-120	-2.46	ENSG00000136111	TBC1D4	chr13	-	74756809	74759162	no
182	3.64e-120	-3.19	ENSG00000134453	RBM17	chr10	+	6197422	6198849	no
183	4.28e-120	-3.28	ENSG00000112576	CCND3	chr6	-	42010649	42011823	yes,JnId_b_54782
184	5.7e-119	-4.3	ENSG00000132424	C6orf111	chr6	-	99958426	99959299	"yes,JnId_h_69411;JnId_h_69412"
184	5.7e-119	-4.8	ENSG00000132424	C6orf111	chr6	-	99952648	99956227	"yes,JnId_h_69407;JnId_h_69408;JnId_h_69408"
185	1.38e-118	-4.06	ENSG00000142599	RERE	chr1	-	8638619	8639087	no
185	1.38e-118	-5.03	ENSG00000142599	RERE	chr1	-	8480052	8480176	no
185	1.38e-118	-2.16	ENSG00000142599	RERE	chr1	-	8335044	8337767	no
186	6.29e-118	-2.74	ENSG00000081853	PCDHGA12	chr5	+	140844925	140847366	"yes,JnId_h_65657;JnId_h_65658"
187	1.43e-117	-5.18	ENSG00000111832	RWDD1	chr6	+	117020836	117023635	no
188	7.06e-117	-3.65	ENSG00000134884	Q9NWB6	chr13	-	105992022	105994509	no
189	2.67e-116	-12.27	ENSG00000160213	CSTB	chr21	-	44016826	44018639	no
190	4.11e-116	-3.14	ENSG00000106244	PDAP1	chr7	-	98844095	98844228	no
190	4.11e-116	-4.36	ENSG00000106244	PDAP1	chr7	-	98830525	98832299	no
191	2.28e-115	-4.25	ENSG00000186792	IFRD2	chr3	-	50311648	50311903	yes,JnId_b_46063
191	2.28e-115	-2.56	ENSG00000186792	IFRD2	chr3	-	50308853	50310107	yes,JnId_b_46062
191	2.28e-115	-5.37	ENSG00000186792	IFRD2	chr3	-	50307144	50308054	no
191	2.28e-115	-6.13	ENSG00000186792	IFRD2	chr3	-	50305023	50305950	no
192	2.54e-115	-14.5	ENSG00000101294	HM13	chr20	+	29589643	29591257	yes,JnId_h_50614
192	2.54e-115	-2.9	ENSG00000101294	HM13	chr20	+	29620584	29621031	"yes,JnId_h_50625;JnId_h_50626"
193	5.16e-115	-2.66	ENSG00000085832	EPS15	chr1	-	51592523	51595106	no
194	5.05e-113	-4.32	ENSG00000100364	C22orf9	chr22	-	44015185	44015314	no
194	5.05e-113	-2.13	ENSG00000100364	C22orf9	chr22	-	43979762	43979863	no
194	5.05e-113	-5.36	ENSG00000100364	C22orf9	chr22	-	43966787	43971761	no
195	5.14e-112	-12.42	ENSG00000104964	AES	chr19	-	3013698	3014010	no
196	9.37e-112	-3.06	ENSG00000161960	EIF4A1	chr17	+	7422384	7423048	yes,JnId_h_33124
197	3.10e-111	-4.35	ENSG00000174437	ATP2A2	chr12	+	109272480	109273278	no
198	2.08e-110	-7.47	ENSG00000204628	GNB2L1	chr5	-	180596532	180596648	"yes,JnId_h_66801;JnId_h_66802"
199	3.3e-109	-4.64	ENSG00000063244	U2AF2	chr19	+	60857228	60858331	no
200	3.33e-108	-4.37	ENSG00000116604	MEF2D	chr1	-	154736902	154737244	no
200	3.33e-108	-8.68	ENSG00000116604	MEF2D	chr1	-	154700143	154704715	yes,JnId_h_6005
201	4.84e-108	-4.11	ENSG00000086758	HUWE1	chrX	-	53727544	53727839	"yes,JnId_h_81480;JnId_h_81481;JnId_h_81482"
201	4.84e-108	-2.24	ENSG00000086758	HUWE1	chrX	-	53673192	53673292	no
201	4.84e-108	-2.76	ENSG00000086758	HUWE1	chrX	-	53669472	53669714	"yes,JnId_h_81443;JnId_h_81446;JnId_h_81463"
201	4.84e-108	-2.86	ENSG00000086758	HUWE1	chrX	-	53575782	53577097	no
202	5.76e-108	-2.52	ENSG00000144749	LRIG1	chr3	-	66633304	66634125	yes,JnId_b_46556
202	5.76e-108	-4.15	ENSG00000144749	LRIG1	chr3	-	66511912	66513603	no
203	7.25e-108	-2.21	ENSG00000136521	NDUFB5	chr3	+	180816465	180816531	yes,JnId_h_59925
203	7.25e-108	-14.88	ENSG00000136521	NDUFB5	chr3	+	180824402	180828128	no
204	1.10e-107	-2.04	ENSG00000197111	PCBP2	chr12	+	52132153	52132427	no
204	1.10e-107	-3.6	ENSG00000197111	PCBP2	chr12	+	52159457	52159883	no
205	1.23e-107	-2.12	ENSG00000198755	RPL10A	chr6	+	35544350	35544628	"yes,JnId_h_68067;JnId_h_68068"
206	1.42e-107	-3.05	ENSG00000167978	SRRM2	chr16	+	2758483	2758943	"yes,JnId_h_29033;JnId_h_29037"
207	1.81e-107	-3.02	ENSG00000136527	SFRS10	chr3	-	187132242	187132334	"yes,JnId_h_60221;JnId_h_60222"
208	2.54e-107	-2.37	ENSG00000100106	TRIOBP	chr22	+	36480830	36480937	yes,JnId_b_43690
208	2.54e-107	-8.19	ENSG00000100106	TRIOBP	chr22	+	36485370	36485905	yes,JnId_h_54404
209	3.32e-107	-7.58	ENSG00000127616	SMARCA4	chr19	+	10932606	10932850	no
209	3.32e-107	-2.62	ENSG00000127616	SMARCA4	chr19	+	10968170	10968220	yes,JnId_b_32361
209	3.32e-107	-9.96	ENSG00000127616	SMARCA4	chr19	+	11005443	11005541	"yes,JnId_h_40702;JnId_h_40711"
209	3.32e-107	-5.92	ENSG00000127616	SMARCA4	chr19	+	11033460	11033953	no
210	2.07e-105	-32.73	ENSG00000114353	GNAI2	chr3	+	50239173	50239629	yes,JnId_b_46041

210	2.07e-105	-4.34	ENSG00000114353	GNAI2	chr3	+	50248651	50248889	yes,JnId_h_57305
210	2.07e-105	-8.39	ENSG00000114353	GNAI2	chr3	+	50264536	50264578	yes,JnId_h_57305
210	2.07e-105	-3.52	ENSG00000114353	GNAI2	chr3	+	50270804	50271775	yes,JnId_b_46050
211	2.20e-105	-5.57	ENSG00000178878	APOLD1	chr12	+	12831110	12835664	no
212	2.57e-105	-7.73	ENSG00000134333	LDHA	chr11	+	18380963	18381136	yes,JnId_h_12785
213	2.36e-104	-4.56	ENSG00000113810	SMC4	chr3	+	161634139	161635433	no
214	3.13e-104	-5.46	ENSG00000148730	EIF4EBP2	chr10	+	71851478	71858380	no
215	4.04e-104	-2.04	ENSG00000179222	MAGED1	chrX	+	51657631	51660132	"yes,JnId_h_81307;JnId_h_81308;JnId_h_81308;JnId_h_81309;JnId_h_81309;JnId_h_81310;JnI
216	3.44e-103	-6.74	ENSG00000175567	UCP2	chr11	-	73371414	73372000	no
217	4.58e-102	-4.3	ENSG00000132300	PTCD3	chr2	+	86218103	86222791	no
218	5.4e-102	-2.49	ENSG00000162511	LAPTM5	chr1	-	30977903	30979351	no
219	7.33e-102	-2.6	ENSG00000182498	RPS18	chr6	+	33347765	33347877	no
220	1.09e-101	-8.49	ENSG00000204256	BRD2	chr6	+	33044415	33044811	no
220	1.09e-101	-2.91	ENSG00000204256	BRD2	chr6	+	33056337	33057075	no
221	3.29e-101	-9.44	ENSG00000096746	HNRPH3	chr10	+	69771741	69772950	no
222	4.57e-101	-5.42	ENSG00000164985	PSIP1	chr9	-	15454064	15455578	no
223	8.2e-100	-4.6	ENSG00000100129	EIF3S6IP	chr22	+	36574821	36575435	no
223	8.2e-100	-2.58	ENSG00000100129	EIF3S6IP	chr22	+	36612718	36612798	no
223	8.2e-100	-3.45	ENSG00000100129	EIF3S6IP	chr22	+	36614379	36614581	no
224	9.71e-100	-4.1	ENSG00000100353	EIF3S7	chr22	-	35255069	35255429	yes,JnId_b_43589
224	9.71e-100	-5.05	ENSG00000100353	EIF3S7	chr22	-	35236844	35236993	no
225	1.17e-99	-4.25	ENSG00000048828	FAM120A	chr9	+	95331456	95333509	no
226	2.21e-99	-4.2	ENSG00000130592	LSP1	chr11	+	1830776	1831003	no
227	1.04e-98	-3.9	ENSG00000168385	2-Sep	chr2	+	241903396	241903698	no
227	1.04e-98	-3.26	ENSG00000168385	2-Sep	chr2	+	241905587	241905687	"yes,JnId_h_49899;JnId_h_49901"
228	1.54e-98	-2.95	ENSG00000154553	PDLIM3	chr4	-	186670261	186672485	yes,JnId_h_63248
229	2.31e-98	-3.72	ENSG00000117859	OSBPL9	chr1	+	52022175	52024877	"yes,JnId_h_3199;JnId_h_3200;JnId_h_3200"
230	2.83e-98	-3.62	ENSG00000144028	ASCC3L1	chr2	-	96322437	96322560	yes,JnId_h_46775
230	2.83e-98	-2.04	ENSG00000144028	ASCC3L1	chr2	-	96307004	96307180	no
230	2.83e-98	-4.36	ENSG00000144028	ASCC3L1	chr2	-	96306546	96306706	no
230	2.83e-98	-6.56	ENSG00000144028	ASCC3L1	chr2	-	96303804	96304620	no
231	4.93e-98	-15.14	ENSG00000133318	RTN3	chr11	+	63242750	63245080	no
231	4.93e-98	-2.46	ENSG00000133318	RTN3	chr11	+	63282204	63283913	no
232	5.62e-98	-7.39	ENSG00000115310	RTN4	chr2	-	55105726	55108125	yes,JnId_h_45734
233	6.24e-98	-2.11	ENSG00000143252	SDHC	chr1	+	159598743	159601154	yes,JnId_h_6317
234	1.65e-97	-3.16	ENSG00000168724	DNJA5_HUMAN	chr5	+	34990415	34994825	no
235	1.95e-97	-4.24	ENSG00000089327	FXDY5	chr19	+	40337467	40338354	yes,JnId_h_42015
235	1.95e-97	-4.93	ENSG00000130638	ATXN10	chr22	+	44618213	44619493	no
237	2.99e-97	-2.32	ENSG00000065809	FAM107B	chr10	-	14635327	14635392	yes,JnId_h_9013
238	3.47e-97	-3.06	ENSG00000136270	TBRG4	chr7	-	45107382	45107496	no
238	3.47e-97	-9.22	ENSG00000136270	TBRG4	chr7	-	45103709	45106550	no
239	3.6e-97	-3.62	ENSG00000122692	SMU1	chr9	-	33031762	33037389	no
240	5.6e-97	-4.62	ENSG00000079459	FDFT1	chr8	+	11697573	11697849	"yes,JnId_h_74403;JnId_h_74404"
240	5.6e-97	-17.81	ENSG00000079459	FDFT1	chr8	+	11733306	11734227	no
241	7.03e-97	-5.38	ENSG00000161021	LTC4S	chr5	+	179151371	179156119	yes,JnId_b_53300
242	2.61e-96	-10.03	ENSG00000175387	SMAD2	chr18	-	43618435	43622319	no
243	2.62e-96	-3.31	ENSG00000132182	NUP210	chr3	-	13436560	13436809	no
243	2.62e-96	-3.16	ENSG00000132182	NUP210	chr3	-	13402775	13402907	yes,JnId_h_55743
243	2.62e-96	-2.2	ENSG00000132182	NUP210	chr3	-	13396042	13396221	yes,JnId_h_55743
243	2.62e-96	-4.64	ENSG00000132182	NUP210	chr3	-	13332737	13334281	no
244	6.57e-96	-2.29	ENSG00000169592	CCDC95	chr16	+	29914532	29915213	no
244	6.57e-96	-4.08	ENSG00000169592	CCDC95	chr16	+	29920034	29923479	"yes,JnId_h_30176;JnId_h_30178"
245	1.79e-95	-2.58	ENSG00000143621	ILF2	chr1	-	151900905	151901656	no
246	1.99e-94	-2.98	ENSG00000135930	EIF4E2	chr2	+	233141899	233142163	yes,JnId_h_49578
246	1.99e-94	-5.32	ENSG00000135930	EIF4E2	chr2	+	233153858	233156593	no
247	1.22e-93	-4.82	ENSG00000170515	PA2G4	chr12	+	54791527	54791580	no
247	1.22e-93	-5.78	ENSG00000170515	PA2G4	chr12	+	54792874	54793912	no
248	1.51e-93	-4.23	ENSG00000108312	UBTF	chr17	-	39653634	39653762	no
248	1.51e-93	-3.34	ENSG00000108312	UBTF	chr17	-	39637928	39640261	no
249	2.18e-93	-4.95	ENSG00000088833	NSFL1C	chr20	-	1395365	1396417	yes,JnId_h_50011
249	2.18e-93	-2.52	ENSG00000088833	NSFL1C	chr20	-	1374311	1374794	yes,JnId_h_50005
249	2.18e-93	-3.23	ENSG00000088833	NSFL1C	chr20	-	1370807	1372556	no
250	3.9e-93	-2.52	ENSG00000137106	GRHPR	chr9	+	37418992	37419833	no
251	7.8e-93	-7.82	ENSG00000111605	CPSF6	chr12	+	67949559	67951290	no

252	1.13e-92	-4.37	ENSG00000127074	RGS13	chr1	+	190895091	190896059	no
253	1.30e-92	-2.54	ENSG00000204632	HLA-G	chr6	+	29964223	29964498	yes,JnId_h_67351
254	3.84e-92	-2.39	ENSG00000124422	USP22	chr17	-	20843502	20846978	no
255	4.08e-92	-3.1	ENSG00000132465	IGJ	chr4	-	71740548	71741120	no
256	4.37e-92	-2.31	ENSG00000149418	ST14	chr11	+	129584547	129584683	no
256	4.37e-92	-3.43	ENSG00000149418	ST14	chr11	+	129584767	129585466	no
257	4.88e-92	-2.56	ENSG00000183741	CBX6	chr22	-	37592160	37593152	yes,JnId_b_43826
258	1.37e-91	-2.8	ENSG00000102471	NDFIP2	chr13	+	79024652	79028211	no
259	1.44e-91	-8.59	ENSG00000092051	AP1G2	chr14	-	23106160	23108766	"yes,JnId_h_23080;JnId_h_23081;JnId_h_23081;JnId_h_23082;JnId_h_23082;JnId_h_23079"
260	2.82e-91	-7.07	ENSG00000143368	SF3B4	chr1	-	148166242	148167146	no
261	7.73e-91	-4.44	ENSG00000140105	WARS	chr14	-	99912350	99912433	yes,JnId_h_25163
262	1.70e-90	-6.83	ENSG00000143321	HDGF	chr1	-	154988454	154988864	no
263	1.69e-89	-5.35	ENSG00000109685	WHSC1	chr4	+	1910809	1911303	"yes,JnId_h_60635;JnId_h_60640"
263	1.69e-89	-11.1	ENSG00000109685	WHSC1	chr4	+	1913864	1914090	"yes,JnId_h_60635;JnId_h_60640"
263	1.69e-89	-6.78	ENSG00000109685	WHSC1	chr4	+	1924277	1925049	yes,JnId_h_60635
263	1.69e-89	-3.87	ENSG00000109685	WHSC1	chr4	+	1950163	1953732	no
264	3.46e-89	-2.62	ENSG00000067057	PFKP	chr10	+	3099712	3099899	no
264	3.46e-89	-4.9	ENSG00000067057	PFKP	chr10	+	3161199	3162175	no
264	3.46e-89	-2.48	ENSG00000067057	PFKP	chr10	+	3165395	3165506	no
264	3.46e-89	-2.49	ENSG00000067057	PFKP	chr10	+	3166675	3166774	no
264	3.46e-89	-2.38	ENSG00000067057	PFKP	chr10	+	3167928	3168030	no
264	3.46e-89	-3.28	ENSG00000067057	PFKP	chr10	+	3168642	3168992	no
265	5.7e-89	-3.64	ENSG00000147140	NONO	chrX	+	70420158	70420296	yes,JnId_b_65429
266	7.36e-89	-3.57	ENSG00000170638	TRABD	chr22	+	48966474	48966557	"yes,JnId_b_44302;JnId_b_44303"
266	7.36e-89	-2.35	ENSG00000170638	TRABD	chr22	+	48973583	48973649	yes,JnId_b_44303
266	7.36e-89	-3.15	ENSG00000170638	TRABD	chr22	+	48978901	48980146	no
267	9.76e-89	-14.24	ENSG00000102445	C13orf18	chr13	-	45909521	45910326	no
267	9.76e-89	-4.66	ENSG00000102445	C13orf18	chr13	-	45859813	45860015	yes,JnId_b_17155
268	1.05e-88	-8.66	ENSG00000100401	RANGAP1	chr22	-	40006883	40008464	no
268	1.05e-88	-2.27	ENSG00000100401	RANGAP1	chr22	-	39971562	39972622	no
269	1.94e-88	-5.32	ENSG00000057935	MTA3	chr2	+	42834018	42837590	no
270	2.55e-88	-3.63	ENSG00000095787	WAC	chr10	+	28861428	28861942	no
270	2.55e-88	-2.23	ENSG00000095787	WAC	chr10	+	28948472	28949934	yes,JnId_h_9281
271	1.66e-87	-21.73	ENSG00000111669	TPI1	chr12	+	6846619	6847106	yes,JnId_h_17001
271	1.66e-87	-8.27	ENSG00000111669	TPI1	chr12	+	6849690	6850526	no
272	2.37e-86	-8.36	ENSG00000165280	VCP	chr9	-	35062334	35063246	no
272	2.37e-86	-6.51	ENSG00000165280	VCP	chr9	-	35046061	35047219	no
273	1.10e-85	-2.67	ENSG00000083520	DIS3	chr13	-	72232668	72232790	no
273	1.10e-85	-5.55	ENSG00000083520	DIS3	chr13	-	72227541	72232017	no
274	6.68e-85	-4.18	ENSG00000123064	DDX54	chr12	-	112079369	112081300	yes,JnId_h_20152
275	7.34e-85	-2.23	ENSG00000151366	NDUFC2	chr11	-	77457051	77458730	no
276	1.41e-84	-2.53	ENSG00000169895	SYAP1	chrX	+	16685206	16685353	no
276	1.41e-84	-7.66	ENSG00000169895	SYAP1	chrX	+	16688276	16693380	no
277	1.45e-84	-4.23	ENSG00000136754	ABI1	chr10	-	27075528	27077680	no
278	3.11e-84	-2.41	ENSG00000116161	CACYBP	chr1	+	173235194	173235448	no
278	3.11e-84	-2.57	ENSG00000116161	CACYBP	chr1	+	173245682	173247786	no
279	1.64e-83	-9.4	ENSG00000028528	SNX1	chr15	+	62216820	62223486	yes,JnId_h_26841
280	1.84e-83	-2.65	ENSG00000110651	CD81	chr11	+	2355096	2355421	no
280	1.84e-83	-6.33	ENSG00000110651	CD81	chr11	+	2363863	2363962	yes,JnId_h_12168
280	1.84e-83	-5.45	ENSG00000110651	CD81	chr11	+	2364361	2364445	yes,JnId_h_12168
281	3.73e-83	-2.51	ENSG00000174444	RPL4	chr15	-	64578697	64579044	no
282	5.13e-83	-6.58	ENSG00000107223	EDF1	chr9	-	138876392	138877272	yes,JnId_h_80191
283	1.28e-82	-2.59	ENSG00000079246	XRCC5	chr2	+	216682059	216682425	no
283	1.28e-82	-3.18	ENSG00000079246	XRCC5	chr2	+	216778156	216779248	no
284	1.5e-82	-2.96	ENSG00000155629	PIK3AP1	chr10	-	98470129	98470269	no
284	1.5e-82	-3.77	ENSG00000155629	PIK3AP1	chr10	-	98343059	98345381	no
285	2.07e-82	-10.43	ENSG00000075142	SRI	chr7	-	87672371	87673755	no
286	2.84e-82	-2.27	ENSG00000147010	SH3KBP1	chrX	-	19516317	19516841	no
286	2.84e-82	-3.58	ENSG00000147010	SH3KBP1	chrX	-	19462014	19464497	no
287	5.87e-82	-4.81	ENSG00000092470	WDR76	chr15	+	41945618	41947909	no
288	1.17e-81	-2.36	ENSG00000176890	TYMS	chr18	+	662860	663492	no
289	1.48e-81	-5.24	ENSG00000171603	CLSTN1	chr1	-	9806288	9807171	no
290	2.95e-81	-2.21	ENSG00000155660	PDIA4	chr7	-	148356346	148356675	yes,JnId_h_73900
290	2.95e-81	-3.06	ENSG00000155660	PDIA4	chr7	-	148331098	148332234	no

291	5.97e-81	-7.44	ENSG00000139496	NUPL1	chr13	+	24803495	24808478	no
292	9.72e-81	-4.16	ENSG00000121152	NCAPH	chr2	+	96402757	96405001	no
293	1.05e-80	-20.26	ENSG00000156467	UQCRB	chr8	-	97311911	97312536	no
294	1.23e-80	-6.16	ENSG00000089280	FUS	chr16	+	31110221	31110598	no
295	2.19e-80	-2.24	ENSG00000160752	FDPS	chr1	+	153545267	153545491	"yes,JnId_h_5801;JnId_h_5802"
295	2.19e-80	-7.17	ENSG00000160752	FDPS	chr1	+	153546204	153546380	"yes,JnId_h_5799;JnId_h_5800;JnId_h_5802;JnId_h_5803"
296	3.26e-80	-8.18	ENSG00000109919	MTCH2	chr11	-	47595444	47597047	no
297	4.48e-80	-8.44	ENSG00000097021	ACOT7	chr1	-	6375904 6377038	no	
297	4.48e-80	-2.41	ENSG00000097021	ACOT7	chr1	-	6246920 6247342	no	
298	1.16e-79	-3.13	ENSG00000153914	SFRS12	chr5	+	65510303	65515199	no
299	1.64e-79	-4.99	ENSG00000159140	SON	chr21	+	33854053	33854843	yes,JnId_h_52477
299	1.64e-79	-2.88	ENSG00000159140	SON	chr21	+	33870541	33871682	no
300	2.27e-79	-2	ENSG00000089094	FBXL10	chr12	-	120456785	120456878	no
300	2.27e-79	-2.06	ENSG00000089094	FBXL10	chr12	-	120455094	120455247	no
300	2.27e-79	-2.85	ENSG00000089094	FBXL10	chr12	-	120435462	120435588	no
300	2.27e-79	-2.82	ENSG00000089094	FBXL10	chr12	-	120431753	120432225	no
300	2.27e-79	-3.26	ENSG00000089094	FBXL10	chr12	-	120351285	120352655	no
301	2.40e-79	-2.89	ENSG00000111716	LDHB	chr12	-	21681272	21681395	no
301	2.40e-79	-3.85	ENSG00000111716	LDHB	chr12	-	21679543	21679910	no
302	3.04e-79	-5.47	ENSG00000115484	CCT4	chr2	-	61948769	61949345	no
303	1.07e-78	-3.43	ENSG00000171862	PTENP1	chr10	+	89715024	89721667	no
304	1.32e-78	-6.63	ENSG00000127445	PIN1	chr19	+	9807119 9807688	yes,JnId_h_40406	
304	1.32e-78	-7.54	ENSG00000127445	PIN1	chr19	+	9808031 9808551	yes,JnId_h_40406	
305	1.55e-78	-2.36	ENSG00000115091	ACTR3	chr2	+	114431407	114432635	yes,JnId_b_38176
306	5.58e-78	-3.52	ENSG00000154277	UCHL1	chr4	+	40953607	40953794	yes,JnId_b_49151
306	5.58e-78	-5.09	ENSG00000154277	UCHL1	chr4	+	40953889	40954511	"yes,JnId_b_49151;JnId_b_49152"
307	6.83e-78	-11.35	ENSG00000115268	RPS15	chr19	+	1389363 1389427	no	
308	1.30e-77	-2.44	ENSG00000136280	CCM2	chr7	+	45006312	45006487	yes,JnId_h_71772
308	1.30e-77	-10.04	ENSG00000136280	CCM2	chr7	+	45033150	45033921	"yes,JnId_h_71771;JnId_h_71772"
309	1.52e-77	-5.51	ENSG00000107099	DOCK8	chr9	+	358018 360300	yes,JnId_b_61698	
309	1.52e-77	-2.31	ENSG00000107099	DOCK8	chr9	+	431875 432009	no	
309	1.52e-77	-2.03	ENSG00000107099	DOCK8	chr9	+	454159 455255	no	
310	2.67e-77	-4.51	ENSG00000100280	AP1B1	chr22	-	28114413	28114569	no
310	2.67e-77	-4.58	ENSG00000100280	AP1B1	chr22	-	28053669	28054884	no
311	4.34e-77	-3.65	ENSG00000107581	EIF3S10	chr10	-	120822943	120823079	no
311	4.34e-77	-4.02	ENSG00000107581	EIF3S10	chr10	-	120784346	120785770	yes,JnId_b_8536
312	4.54e-77	-5.05	ENSG00000070669	ASNS	chr7	-	97338967	97339244	"yes,JnId_h_72488;JnId_h_72489"
312	4.54e-77	-2.01	ENSG00000070669	ASNS	chr7	-	97319379	97319716	no
313	3.37e-76	-3.33	ENSG00000100721	TCL1A	chr14	-	95246058	95246971	no
314	3.73e-76	-21.31	ENSG00000099341	PSMD8	chr19	+	43557061	43557441	no
314	3.73e-76	-21.72	ENSG00000099341	PSMD8	chr19	+	43565733	43566303	no
315	9.23e-76	-2.65	ENSG00000182180	MRPS16	chr10	-	74676774	74680755	no
316	2.25e-75	-2.73	ENSG00000117091	CD48	chr1	-	158919933	158921603	no
317	3.47e-75	-3.38	ENSG00000198818	SFT2D1	chr6	-	166656335	166658073	yes,JnId_h_70661
318	3.64e-75	-2.67	ENSG00000076003	MCM6	chr2	-	136326827	136326955	no
318	3.64e-75	-4.07	ENSG00000076003	MCM6	chr2	-	136313674	136314991	no
319	3.72e-75	-5.54	ENSG00000101144	BMP7	chr20	-	55177211	55179571	no
320	2.28e-74	-3.99	ENSG00000076928	ARHGEF1	chr19	+	47079090	47079196	no
320	2.28e-74	-4.07	ENSG00000076928	ARHGEF1	chr19	+	47092290	47093050	yes,JnId_b_34324
320	2.28e-74	-6.63	ENSG00000076928	ARHGEF1	chr19	+	47093053	47093418	yes,JnId_h_42732
320	2.28e-74	-3.16	ENSG00000076928	ARHGEF1	chr19	+	47103097	47103437	no
321	2.51e-74	-6.52	ENSG00000175166	PSMD2	chr3	+	185499189	185499883	no
321	2.51e-74	-2.12	ENSG00000175166	PSMD2	chr3	+	185507839	185508007	no
321	2.51e-74	-2.43	ENSG00000175166	PSMD2	chr3	+	185509190	185509531	no
322	3.29e-74	-4.8	ENSG00000152601	MBNL1	chr3	+	153468519	153469571	no
322	3.29e-74	-2.01	ENSG00000152601	MBNL1	chr3	+	153662864	153666258	no
323	9.42e-74	-7.42	ENSG00000162613	FUBP1	chr1	-	78186179	78187187	yes,JnId_h_3967
324	1.85e-73	-2.05	ENSG00000104973	MED25	chr19	+	55013358	55013544	no
324	1.85e-73	-4.42	ENSG00000104973	MED25	chr19	+	55031295	55032049	yes,JnId_b_35165
324	1.85e-73	-7.42	ENSG00000104973	MED25	chr19	+	55033649	55033848	no
325	2.2e-73 -3.23		ENSG00000124155	PIGT	chr20	+	43478192	43478998	yes,JnId_h_51406
325	2.2e-73 -3.53		ENSG00000124155	PIGT	chr20	+	43480230	43481449	yes,JnId_h_51408
325	2.2e-73 -2.78		ENSG00000124155	PIGT	chr20	+	43487628	43488298	no
326	4.84e-73	-5.46	ENSG00000130816	DNMT1	chr19	-	10166496	10166811	no

326	4.84e-73	-2.64	ENSG00000130816	DNMT1	chr19	-	10107412	10107528	no
326	4.84e-73	-4.91	ENSG00000130816	DNMT1	chr19	-	10105893	10105983	no
326	4.84e-73	-5.66	ENSG00000130816	DNMT1	chr19	-	10105023	10105377	no
327	7.83e-73	-2.76	ENSG00000069275	NUCKS1	chr1	-	203948570	203954230	no
328	7.94e-73	-22.08	ENSG00000100142	POLR2F	chr22	+	36693578	36694653	no
329	1.12e-72	-2.69	ENSG00000075239	ACAT1	chr11	+	107518374	107519872	no
330	1.53e-72	-2.49	ENSG00000204842	ATXN2	chr12	-	110520971	110521863	no
330	1.53e-72	-3.23	ENSG00000204842	ATXN2	chr12	-	110374455	110378443	"yes,JnId_h_19980;JnId_h_19981;JnId_h_19981;JnId_h_19982;JnId_h_19982;JnId_h_19983;JnI
331	1.61e-72	-6.33	ENSG00000134684	YARS	chr1	-	33055376	33056341	yes,JnId_h_2082
332	4.07e-72	-3.77	ENSG00000086475	SEPHS1	chr10	-	13430006	13430303	yes,JnId_b_6645
332	4.07e-72	-4.45	ENSG00000086475	SEPHS1	chr10	-	13399430	13401362	no
333	8.84e-72	-7.13	ENSG00000105364	MRPL4	chr19	+	10223640	10223986	no
334	1.41e-71	-5.54	ENSG00000196189	SEMA4A	chr1	+	154389942	154390179	no
334	1.41e-71	-2.44	ENSG00000196189	SEMA4A	chr1	+	154390786	154391132	no
335	1.47e-71	-4.16	ENSG00000113558	SKP1A	chr5	-	133520468	133522185	no
336	1.93e-71	-12.52	ENSG00000123545	C6orf66	chr6	-	97443910	97445988	no
337	3.35e-71	-3.87	ENSG00000138175	ARL3	chr10	-	104423480	104426688	no
338	1.19e-70	-8.69	ENSG00000071127	WDR1	chr4	-	9727373	9727671	no
338	1.19e-70	-2.86	ENSG00000071127	WDR1	chr4	-	9699015	9699095	yes,JnId_b_48808
338	1.19e-70	-5.99	ENSG00000071127	WDR1	chr4	-	9685062	9686206	no
339	2.73e-70	-2.21	ENSG00000171634	BPTF	chr17	+	63408830	63410954	no
340	6.06e-70	-3.45	ENSG00000146701	MDH2	chr7	+	75533533	75533863	no
341	3.48e-69	-4.33	ENSG00000198843	Q6IAK0	chr3	+	151828136	151830922	no
342	3.61e-69	-2.52	ENSG00000128951	DUT	chr15	+	46410913	46411284	no
342	3.61e-69	-4.09	ENSG00000128951	DUT	chr15	+	46421511	46422862	no
343	7.21e-69	-6.35	ENSG00000117450	PRDX1	chr1	-	45759868	45760215	"yes,JnId_b_2378;JnId_b_2379"
343	7.21e-69	-3.35	ENSG00000117450	PRDX1	chr1	-	45749295	45749673	no
344	1.67e-68	-6.38	ENSG00000101220	C20orf27	chr20	-	3696310	3697034	no
345	1.94e-68	-19.03	ENSG00000155463	OXAL1	chr14	+	22305571	22306100	no
345	1.94e-68	-8.03	ENSG00000155463	OXAL1	chr14	+	22310483	22310779	yes,JnId_h_22934
346	2.02e-68	-6.19	ENSG00000136153	LMO7	chr13	+	75330058	75332003	no
347	4.8e-68	-5.68	ENSG00000103769	RAB11A	chr15	+	63967093	63968846	no
348	6.3e-68	-3.01	ENSG00000153936	HS2ST1	chr1	+	87336109	87336697	no
349	1.75e-67	-2.46	ENSG00000108292	MLLT6	chr17	+	34115321	34115520	no
349	1.75e-67	-2.62	ENSG00000108292	MLLT6	chr17	+	34131657	34132006	no
350	2.39e-67	-2.02	ENSG00000185896	LAMP1	chr13	+	113022897	113023786	no
351	2.53e-67	-2.33	ENSG00000160714	UBE2Q1	chr1	-	152797327	152797744	no
351	2.53e-67	-5.12	ENSG00000160714	UBE2Q1	chr1	-	152787675	152789569	no
352	3.23e-67	-9.49	ENSG00000175334	BANF1	chr11	+	65526126	65526617	yes,JnId_h_14485
353	3.33e-67	-2.1	ENSG00000174483	BBS1	chr11	+	66019677	66019797	no
353	3.33e-67	-10.23	ENSG00000174483	BBS1	chr11	+	66055703	66057660	yes,JnId_h_14607
354	4.54e-67	-8.41	ENSG00000131236	CAP1	chr1	+	40278492	40279060	yes,JnId_h_2502
355	5.39e-67	-2.39	ENSG00000151923	TIAL1	chr10	-	121331235	121331511	no
355	5.39e-67	-3.56	ENSG00000151923	TIAL1	chr10	-	121329437	121330284	yes,JnId_h_11515
355	5.39e-67	-2.63	ENSG00000151923	TIAL1	chr10	-	121322970	121325293	no
356	6.19e-67	-3.22	ENSG00000185963	BICD2	chr9	-	94566608	94566915	no
356	6.19e-67	-5.53	ENSG00000185963	BICD2	chr9	-	94513466	94517566	yes,JnId_b_62630
357	7.31e-67	-2.86	ENSG00000155506	LARP1	chr5	+	154115082	154115946	no
357	7.31e-67	-2.18	ENSG00000155506	LARP1	chr5	+	154152375	154152549	yes,JnId_b_52698
357	7.31e-67	-2.62	ENSG00000155506	LARP1	chr5	+	154153553	154153753	"yes,JnId_b_52698;JnId_b_52702"
357	7.31e-67	-2.46	ENSG00000155506	LARP1	chr5	+	154173640	154177354	yes,JnId_h_66057
358	9.83e-67	-8.65	ENSG00000134419	RPS15A	chr16	-	18709067	18709157	no
359	1.10e-66	-4.7	ENSG00000183684	THOC4	chr17	-	77439017	77439317	no
360	1.72e-66	-6.22	ENSG00000172270	BSG	chr19	+	522325	522579	no
360	1.72e-66	-2.14	ENSG00000172270	BSG	chr19	+	523537	523701	yes,JnId_b_30877
361	5.58e-66	-2.74	ENSG00000143774	GUK1	chr1	+	226395448	226395612	yes,JnId_h_8045
361	5.58e-66	-2.11	ENSG00000143774	GUK1	chr1	+	226402695	226402863	yes,JnId_h_8052
362	8.06e-66	-6.34	ENSG00000131508	UBE2D2	chr5	+	138986525	138988200	no
363	1.06e-65	-4.35	ENSG00000135535	CD164	chr6	-	109794412	109796913	no
364	1.63e-65	-7.84	ENSG00000143603	KCNN3	chr1	-	153108132	153109378	no
365	2.46e-65	-2.07	ENSG00000180182	CRSP2	chrX	-	40479394	40479727	no
365	2.46e-65	-7.69	ENSG00000180182	CRSP2	chrX	-	40392502	40396075	no
366	2.53e-65	-3.58	ENSG00000107937	GTPBP4	chr10	+	1053015	1055876	no
367	3.59e-65	-4.84	ENSG00000136003	ISCU	chr12	+	107479369	107480641	no

368	8.94e-65	-4.01	ENSG00000122952	ZWINT	chr10	-	57786995	57788226	yes,JnId_h_9558
369	1.50e-64	-2.85	ENSG00000137713	PPP2R1B	chr11	-	111113815	111117546	no
370	3.79e-64	-2.42	ENSG00000160216	AGPAT3	chr21	+	44109544	44109654	no
370	3.79e-64	-12.28	ENSG00000160216	AGPAT3	chr21	+	44209238	44212424	yes,JnId_h_52777
371	4.28e-64	-3.85	ENSG00000140740	UQCRC2	chr16	+	21871482	21872278	no
372	1.43e-63	-5.03	ENSG00000165678	GHITM	chr10	+	85889176	85889329	yes,JnId_b_7560
372	1.43e-63	-4.87	ENSG00000165678	GHITM	chr10	+	85902000	85903291	no
373	7.07e-63	-2.17	ENSG00000165209	STRBP	chr9	-	125070536	125070676	no
373	7.07e-63	-2.99	ENSG00000165209	STRBP	chr9	-	124941629	124941787	yes,JnId_b_63306
373	7.07e-63	-7.61	ENSG00000165209	STRBP	chr9	-	124926811	124927773	yes,JnId_b_63301
374	1.22e-62	-3.19	ENSG00000096401	CDC5L	chr6	+	44522322	44526141	no
375	1.85e-62	-2.91	ENSG00000161547	SFRS2	chr17	-	72241796	72242835	yes,JnId_h_37231
376	1.87e-62	-2.22	ENSG00000149091	DGKZ	chr11	+	46344370	46345110	no
376	1.87e-62	-5.39	ENSG00000149091	DGKZ	chr11	+	46345778	46346386	yes,JnId_b_9801
377	2.14e-62	-6.8	ENSG00000114416	FXR1	chr3	+	182115134	182115477	yes,JnId_h_59947
377	2.14e-62	-5.19	ENSG00000114416	FXR1	chr3	+	182176604	182177642	yes,JnId_h_59957
378	2.4e-62	-6.27	ENSG00000126457	PRMT1	chr19	+	54874941	54874998	"yes,JnId_h_43576;JnId_h_43578;JnId_h_43579"
378	2.4e-62	-9.3	ENSG00000126457	PRMT1	chr19	+	54875208	54875322	"yes,JnId_h_43576;JnId_h_43578"
378	2.4e-62	-2.84	ENSG00000126457	PRMT1	chr19	+	54883231	54883516	no
379	4.65e-62	-3.72	ENSG00000131233	GJA10	chr1	-	39111550	39114610	no
379	4.65e-62	-2.86	ENSG00000182087	C19orf6	chr19	-	971771	972141	no
379	4.65e-62	-5.87	ENSG00000182087	C19orf6	chr19	-	960650	961894	yes,JnId_h_39275
381	4.85e-62	-5.65	ENSG00000072818	CENTB1	chr17	+	7195338	7198987	no
382	5.36e-62	-2.64	ENSG00000204301	NOTCH4	chr6	-	32270599	32271905	no
383	9.27e-62	-2.21	ENSG00000170325	PRDM10	chr11	-	129274817	129277621	no
384	1.14e-61	-2.84	ENSG00000113648	H2AFY	chr5	-	134714412	134714502	"yes,JnId_h_65355;JnId_h_65356"
385	1.26e-61	-2.67	ENSG00000197170	PSMD12	chr17	-	62765976	62767630	no
386	1.77e-61	-2.93	ENSG00000137420	NOL7	chr6	+	13728965	13729917	no
387	6.11e-61	-2.63	ENSG00000074800	ENO1	chr1	-	8850634	8850703	yes,JnId_b_375
388	1.05e-60	-2.92	ENSG00000107262	BAG1	chr9	-	33248918	33250439	no
389	1.38e-60	-2.25	ENSG00000152061	RABGAP1L	chr1	+	173035693	173036261	yes,JnId_h_6623
390	1.47e-60	-2.82	ENSG00000113407	TARS	chr5	+	33476639	33477006	no
390	1.47e-60	-5.01	ENSG00000113407	TARS	chr5	+	33503422	33505401	no
391	4.85e-60	-3.82	ENSG00000106105	GARS	chr7	+	30600706	30601284	yes,JnId_h_71452
392	4.89e-60	-2.88	ENSG00000164307	Q53GQ8	chr5	-	96169319	96169559	yes,JnId_b_51699
393	5.86e-60	-6.11	ENSG00000099194	SCD	chr10	+	102110481	102114577	yes,JnId_b_8070
394	6.25e-60	-2.16	ENSG00000130024	PHF10	chr6	-	169849057	169852412	no
395	7.36e-60	-5.25	ENSG00000067167	TRAM1	chr8	-	71671052	71671110	no
395	7.36e-60	-3.04	ENSG00000067167	TRAM1	chr8	-	71661684	71661788	no
395	7.36e-60	-2.1	ENSG00000067167	TRAM1	chr8	-	71658439	71658582	no
395	7.36e-60	-8.01	ENSG00000067167	TRAM1	chr8	-	71648227	71649794	no
396	8.83e-60	-4.65	ENSG00000095380	NANS	chr9	+	99882919	99884269	no
397	1.61e-59	-2.3	ENSG00000092203	TOX4	chr14	+	21033228	21033391	no
397	1.61e-59	-3.88	ENSG00000092203	TOX4	chr14	+	21034544	21036880	no
398	1.88e-59	-3.91	ENSG00000131473	ACLY	chr17	-	37328659	37328798	no
398	1.88e-59	-3.24	ENSG00000131473	ACLY	chr17	-	37318768	37318847	no
398	1.88e-59	-2.88	ENSG00000131473	ACLY	chr17	-	37293972	37294053	no
398	1.88e-59	-2.73	ENSG00000131473	ACLY	chr17	-	37278822	37278904	no
398	1.88e-59	-5.6	ENSG00000131473	ACLY	chr17	-	37276710	37277683	no
399	2.23e-59	-2.13	ENSG00000166986	MARS	chr12	+	56195970	56196041	no
399	2.23e-59	-2.45	ENSG00000166986	MARS	chr12	+	56196295	56196387	no
399	2.23e-59	-3.77	ENSG00000166986	MARS	chr12	+	56196485	56196699	no
400	2.65e-59	-4.93	ENSG00000156738	MS4A1	chr11	+	59992299	59994801	no
401	5.43e-59	-4.41	ENSG00000135341	MAP3K7	chr6	-	91316908	91318619	yes,JnId_h_69346
401	5.43e-59	-2.71	ENSG00000135341	MAP3K7	chr6	-	91280013	91283121	no
402	8.53e-59	-3.24	ENSG00000204469	BAT2	chr6	+	31696471	31696614	no
402	8.53e-59	-4.16	ENSG00000204469	BAT2	chr6	+	31712798	31712892	no
402	8.53e-59	-11.12	ENSG00000204469	BAT2	chr6	+	31713202	31713528	no
403	8.78e-59	-3.1	ENSG00000162923	WDR26	chr1	-	222639728	222644185	no
404	1.10e-58	-4.49	ENSG00000131368	MRPS25	chr3	-	15065024	15069144	no
405	1.61e-58	-5.49	ENSG0000017483	SLC38A5	chrX	-	48212667	48213509	no
405	1.61e-58	-2.78	ENSG0000017483	SLC38A5	chrX	-	48210293	48210824	no
406	1.66e-58	-2.61	ENSG00000115524	SF3B1	chr2	-	197964945	197965430	no
407	1.67e-58	-6.89	ENSG00000133657	ATP13A3	chr3	-	195652163	195654059	no

407	1.67e-58	-3.04	ENSG00000133657	ATP13A3	chr3	-	195604692	195606184	no
408	2.93e-58	-3.53	ENSG0000009844	VTAL	chr6	+	142581328	142583778	no
409	3.1e-58	-5.29	ENSG0000086061	DNAJA1	chr9	+	33028683	33029905	no
410	3.31e-58	-3.25	ENSG00000135018	UBQLN1	chr9	-	85464698	85466674	no
411	3.88e-58	-2.79	ENSG00000139842	CUL4A	chr13	+	112911448	112912090	yes,JnId_b_17869
411	3.88e-58	-2.12	ENSG00000139842	CUL4A	chr13	+	112962922	112963074	no
411	3.88e-58	-2.71	ENSG00000139842	CUL4A	chr13	+	112965802	112967400	no
412	5.34e-58	-6.75	ENSG0000067334	DNTTIP2	chr1	-	94104427	94108108	no
413	5.6e-58	-2.13	ENSG00000147162	OGT	chrX	+	70681142	70684598	yes,JnId_h_81743
413	5.6e-58	-5.3	ENSG00000147162	OGT	chrX	+	70710195	70712472	no
414	8.54e-58	-2.67	ENSG00000112992	NNT	chr5	+	43638582	43639153	yes,JnId_h_63889
414	8.54e-58	-4.95	ENSG00000112992	NNT	chr5	+	43740114	43743264	no
415	1.25e-57	-2.15	ENSG0000025796	SEC63	chr6	-	108352715	108352829	no
415	1.25e-57	-5.53	ENSG0000025796	SEC63	chr6	-	108295653	108299744	no
416	6.17e-57	-3.51	ENSG00000132275	KIAA0409	chr11	-	6572881	6578071	no
417	1.05e-56	-3.14	ENSG00000176986	SEC24C	chr10	+	75200044	75200562	yes,JnId_h_10013
417	1.05e-56	-2.44	ENSG00000176986	SEC24C	chr10	+	75200719	75201925	no
418	1.08e-56	-4.39	ENSG0000012660	ELOVL5	chr6	-	53266845	53267248	yes,JnId_h_68745
419	1.22e-56	-2.82	ENSG00000140968	IRF8	chr16	+	84512213	84513710	no
420	1.31e-56	-2.06	ENSG00000127481	ZUBR1	chr1	-	19397622	19397761	no
420	1.31e-56	-2.15	ENSG00000127481	ZUBR1	chr1	-	19361501	19361692	"yes,JnId_h_1032;JnId_h_1087"
420	1.31e-56	-2	ENSG00000127481	ZUBR1	chr1	-	19355848	19356006	"yes,JnId_h_1032;JnId_h_1087"
420	1.31e-56	-4.64	ENSG00000127481	ZUBR1	chr1	-	19316904	19317930	yes,JnId_h_1032
420	1.31e-56	-2.83	ENSG00000127481	ZUBR1	chr1	-	19310721	19313151	"yes,JnId_h_1032;JnId_h_1056;JnId_h_1057;JnId_h_1057"
420	1.31e-56	-2.95	ENSG00000127481	ZUBR1	chr1	-	19303666	19303997	yes,JnId_h_1032
420	1.31e-56	-2.43	ENSG00000127481	ZUBR1	chr1	-	19280430	19281321	no
421	1.44e-56	-4.12	ENSG00000146731	CCT6A	chr7	+	56098200	56099176	no
422	1.46e-56	-2.68	ENSG00000117523	BAT2D1	chr1	+	169827349	169829273	yes,JnId_h_6546
423	1.85e-56	-2.39	ENSG00000107949	BCCIP	chr10	+	127514663	127515110	yes,JnId_b_8750
423	1.85e-56	-3.99	ENSG00000107949	BCCIP	chr10	+	127519814	127521365	no
424	1.95e-56	-5.52	ENSG00000144354	CDCA7	chr2	+	173932229	173932465	yes,JnId_h_48196
424	1.95e-56	-2.29	ENSG00000144354	CDCA7	chr2	+	173940608	173941965	no
425	3.23e-56	-2.17	ENSG00000156136	DCK	chr4	+	72110397	72110512	no
425	3.23e-56	-2.33	ENSG00000156136	DCK	chr4	+	72113933	72115477	no
426	3.42e-56	-2.51	ENSG00000188895	Q69Z03	chr17	+	35543313	35543437	no
426	3.42e-56	-5.28	ENSG00000188895	Q69Z03	chr17	+	35544058	35546566	no
427	3.71e-56	-22.98	ENSG00000182944	EWSR1	chr22	+	28016402	28016670	"yes,JnId_h_53869;JnId_h_53870;JnId_h_53871"
427	3.71e-56	-10.23	ENSG00000182944	EWSR1	chr22	+	28026112	28026504	no
428	5.96e-56	-6.82	ENSG00000174547	MRPL11	chr11	-	65959159	65960159	no
429	1.12e-55	-5.01	ENSG0000010404	IDS	chrX	-	148366427	148372654	no
430	1.29e-55	-3.19	ENSG00000168477	TNXB	chr6	-	32196197	32196657	no
430	1.29e-55	-2.33	ENSG00000168477	TNXB	chr6	-	32193078	32193159	no
430	1.29e-55	-7.8	ENSG00000168477	TNXB	chr6	-	32190749	32191723	no
431	1.61e-55	-3.37	ENSG00000143401	ANP32E	chr1	-	148457341	148459687	yes,JnId_h_5181
432	2.61e-55	-3.29	ENSG00000145833	DDX46	chr5	+	134134492	134134588	no
432	2.61e-55	-4.3	ENSG00000145833	DDX46	chr5	+	134145510	134145675	no
432	2.61e-55	-3.14	ENSG00000145833	DDX46	chr5	+	134175285	134175434	yes,JnId_h_65333
432	2.61e-55	-10.89	ENSG00000145833	DDX46	chr5	+	134192248	134194708	no
433	6.26e-55	-3.33	ENSG00000173020	ADRBK1	chr11	+	66790507	66790859	yes,JnId_b_11298
433	6.26e-55	-3.91	ENSG00000173020	ADRBK1	chr11	+	66803886	66803947	yes,JnId_b_11302
434	6.27e-55	-3.29	ENSG00000154122	ANKH	chr5	-	14757913	14764419	no
435	7.73e-55	-9.47	ENSG0000091490	Q68CR1	chr4	-	25474176	25474315	no
435	7.73e-55	-2.09	ENSG0000091490	Q68CR1	chr4	-	25369661	25369788	"yes,JnId_b_48953;JnId_b_48954"
435	7.73e-55	-3.43	ENSG0000091490	Q68CR1	chr4	-	25358154	25359284	no
436	8.34e-55	-2.83	ENSG00000119522	DENND1A	chr9	-	125731989	125732252	no
436	8.34e-55	-11.91	ENSG00000119522	DENND1A	chr9	-	125202199	125204012	yes,JnId_b_63322
436	8.34e-55	-3.25	ENSG00000119522	DENND1A	chr9	-	125181754	125184725	no
437	9.63e-55	-2.41	ENSG00000143815	LBR	chr1	-	223658951	223659031	no
437	9.63e-55	-6.02	ENSG00000143815	LBR	chr1	-	223655827	223657788	no
438	9.93e-55	-2.31	ENSG00000119707	RBM25	chr14	+	72644287	72644360	no
438	9.93e-55	-2.17	ENSG00000119707	RBM25	chr14	+	72648613	72648711	no
438	9.93e-55	-4.16	ENSG00000119707	RBM25	chr14	+	72656174	72657740	no
439	1.15e-54	-6.85	ENSG00000136271	DDX56	chr7	-	44579960	44581175	no
440	1.51e-54	-5.68	ENSG0000015475	BID	chr22	-	16596908	16598357	no

441	3.21e-54	-3.9	ENSG00000083845	RPS5	chr19	+	63597861	63597982	yes,JnId_b_35609
442	3.45e-54	-2.7	ENSG00000100357	ADSL	chr22	+	39090830	39091006	no
442	3.45e-54	-7.1	ENSG00000100357	ADSL	chr22	+	39092386	39092929	no
443	3.85e-54	-2.36	ENSG00000115419	GLS	chr2	+	191505687	191508062	no
443	3.85e-54	-4.17	ENSG00000115419	GLS	chr2	+	191535801	191538517	no
444	7.66e-54	-2.38	ENSG00000106462	EZH2	chr7	-	148144709	148146142	"yes,JnId_h_73875;JnId_h_73877"
445	8.07e-54	-3.54	ENSG00000196367	TRRAP	chr7	+	98314049	98314196	no
445	8.07e-54	-2.12	ENSG00000196367	TRRAP	chr7	+	98366192	98366389	yes,JnId_b_58045
445	8.07e-54	-3.73	ENSG00000196367	TRRAP	chr7	+	98447630	98450514	no
446	1.03e-53	-2	ENSG00000134954	ETS1	chr11	-	127838614	127838732	no
446	1.03e-53	-5.17	ENSG00000134954	ETS1	chr11	-	127833874	127837681	no
447	1.10e-53	-4.65	ENSG00000146963	LUC7L2	chr7	+	138757449	138758738	no
448	1.25e-53	-2	ENSG00000136108	CKAP2	chr13	+	51937431	51937946	no
449	1.47e-53	-6.7	ENSG00000121716	Q8TET2	chr7	+	99790702	99793574	"yes,JnId_h_72737;JnId_h_72736"
449	1.47e-53	-2.65	ENSG00000121716	Q8TET2	chr7	+	99802908	99803383	no
450	1.66e-53	-3.67	ENSG00000116731	PRDM2	chr1	+	14022241	14024162	no
451	2.46e-53	-6.93	ENSG00000136810	TXN	chr9	-	112045912	112046320	no
452	5.07e-53	-3.93	ENSG00000134001	EIF2S1	chr14	+	66919785	66922986	no
453	5.26e-53	-3.8	ENSG00000149136	SSRP1	chr11	-	56859780	56859927	no
453	5.26e-53	-2.1	ENSG00000149136	SSRP1	chr11	-	56850753	56850939	no
453	5.26e-53	-3.04	ENSG00000149136	SSRP1	chr11	-	56850036	56850528	no
454	6.45e-53	-4.37	ENSG00000102580	DNAJC3	chr13	+	95125276	95127592	no
455	6.51e-53	-6.64	ENSG00000105583	C19orf56	chr19	-	12641168	12643170	no
456	9.44e-53	-3.02	ENSG00000102103	PQBP1	chrX	+	48639531	48640320	no
457	9.93e-53	-4.2	ENSG00000167085	PHB	chr17	-	44836419	44837565	no
458	1.02e-52	-6.35	ENSG00000065911	MTHFD2	chr2	+	74294714	74295920	yes,JnId_h_46357
459	1.4e-52	-2.35	ENSG00000167986	DDB1	chr11	-	60856956	60857153	no
459	1.4e-52	-4	ENSG00000167986	DDB1	chr11	-	60827094	60827203	no
459	1.4e-52	-6.38	ENSG00000167986	DDB1	chr11	-	60823510	60824267	no
460	1.94e-52	-6.01	ENSG00000060491	OGFR	chr20	+	60907683	60910122	yes,JnId_h_51996
461	2.13e-52	-98.13	ENSG00000101421	CHMP4B	chr20	+	31904963	31905830	no
462	3.07e-52	-2.99	ENSG00000154556	SORBS2	chr4	-	186969812	186970369	no
462	3.07e-52	-4.32	ENSG00000154556	SORBS2	chr4	-	186743592	186745836	yes,JnId_b_50585
463	3.52e-52	-3.62	ENSG00000157020	SEC13	chr3	-	10337734	10337862	yes,JnId_b_44762
463	3.52e-52	-7.08	ENSG00000157020	SEC13	chr3	-	10317215	10318058	yes,JnId_b_44754
464	3.73e-52	-3.8	ENSG00000128886	ELL3	chr15	-	41856260	41857033	no
464	3.73e-52	-4.02	ENSG00000128886	ELL3	chr15	-	41852095	41852716	no
465	4.25e-52	-8.2	ENSG00000134824	FADS2	chr11	+	61340325	61340474	no
465	4.25e-52	-2.3	ENSG00000134824	FADS2	chr11	+	61389686	61391401	no
466	5.47e-52	-7.31	ENSG00000189306	Q6P4B5	chr22	-	41235933	41238945	no
467	5.57e-52	-3.86	ENSG00000176715	Q6P2C7	chr16	+	87747999	87749670	no
468	8.79e-52	-4.41	ENSG00000056586	RC3H2	chr9	-	124699379	124700210	no
468	8.79e-52	-2.73	ENSG00000056586	RC3H2	chr9	-	124685304	124685479	no
468	8.79e-52	-2.96	ENSG00000056586	RC3H2	chr9	-	124657284	124657497	no
468	8.79e-52	-4.57	ENSG00000056586	RC3H2	chr9	-	124646656	124651922	no
469	1.10e-51	-3.42	ENSG00000123200	ZC3H13	chr13	-	45524540	45524895	no
469	1.10e-51	-7.17	ENSG00000123200	ZC3H13	chr13	-	45434312	45436178	no
469	1.10e-51	-6.31	ENSG00000123200	ZC3H13	chr13	-	45426601	45429433	no
470	1.11e-51	-4.05	ENSG00000079819	EPB41L2	chr6	-	131230292	131231740	no
471	2.47e-51	-2.71	ENSG00000204272	Q63Z42	chrX	+	56860478	56862331	no
472	2.58e-51	-4.22	ENSG00000060339	CCAR1	chr10	+	70220970	70222140	no
473	3.33e-51	-2.16	ENSG00000128815	WDFY4	chr10	+	49587757	49588017	no
473	3.33e-51	-3.77	ENSG00000128815	WDFY4	chr10	+	49685910	49686269	no
473	3.33e-51	-2.09	ENSG00000128815	WDFY4	chr10	+	49775505	49775625	no
473	3.33e-51	-2.01	ENSG00000128815	WDFY4	chr10	+	49824091	49824208	no
473	3.33e-51	-4.51	ENSG00000128815	WDFY4	chr10	+	49844577	49847299	no
473	3.33e-51	-2.91	ENSG00000128815	WDFY4	chr10	+	49860560	49861006	no
474	4.3e-51	-6.8	ENSG00000147677	EIF3S3	chr8	-	117726253	117726523	yes,JnId_h_76110
475	4.46e-51	-2.18	ENSG00000110958	PTGES3	chr12	-	55343428	55344549	no
476	4.71e-51	-2.11	ENSG00000196549	MME	chr3	+	156317351	156317469	no
476	4.71e-51	-2.02	ENSG00000196549	MME	chr3	+	156349033	156349136	no
476	4.71e-51	-3.74	ENSG00000196549	MME	chr3	+	156380843	156384186	no
477	8.98e-51	-3.45	ENSG00000136937	NCBP1	chr9	+	99471696	99472179	no
477	8.98e-51	-2.98	ENSG00000136937	NCBP1	chr9	+	99473189	99475851	no

478	1.25e-50	-3.18	ENSG00000116260	QSOX1	chr1	+	178432020	178439788	no
479	1.29e-50	-3.94	ENSG0000011451	WIZ	chr19	-	15401397	15401900	no
479	1.29e-50	-2.33	ENSG0000011451	WIZ	chr19	-	15393910	15395046	no
480	1.47e-50	-2.84	ENSG00000110107	PRPF19	chr11	-	60414768	60415311	no
481	1.73e-50	-2.27	ENSG00000005249	PRKAR2B	chr7	+	106587130	106589491	yes,JnId_b_58635
482	2.36e-50	-2.71	ENSG00000170759	KIF5B	chr10	-	32366188	32366312	yes,JnId_b_6866
482	2.36e-50	-4.36	ENSG00000170759	KIF5B	chr10	-	32337944	32340450	no
483	3.18e-50	-2.44	ENSG00000108946	PRKAR1A	chr17	+	64035576	64035636	no
483	3.18e-50	-7.31	ENSG00000108946	PRKAR1A	chr17	+	64038013	64040503	no
484	4.86e-50	-5.67	ENSG00000185049	WHSC2	chr4	-	1980275 1981635	no	
484	4.86e-50	-4.37	ENSG00000185049	WHSC2	chr4	-	1954248 1955028	no	
485	1.36e-49	-2	ENSG00000151725	MLF1IP	chr4	-	185892164	185892571	no
486	1.72e-49	-8.57	ENSG00000163126	ANKRD23	chr2	-	96865724	96869559	no
487	2.06e-49	-3.53	ENSG00000116221	MRPL37	chr1	+	54456433	54456639	yes,JnId_h_3437
488	2.23e-49	-4.93	ENSG00000183431	SF3A3	chr1	-	38228129	38229180	no
488	2.23e-49	-2.77	ENSG00000183431	SF3A3	chr1	-	38195234	38196522	no
489	2.37e-49	-5.3	ENSG00000185104	FAF1	chr1	-	50677738	50679783	no
490	5.61e-49	-5.14	ENSG00000105698	USF2	chr19	+	40451721	40451906	no
490	5.61e-49	-3.02	ENSG00000105698	USF2	chr19	+	40461910	40462558	no
491	7.33e-49	-2.04	ENSG00000169223	LMAN2	chr5	-	176691170	176691853	no
492	9.73e-49	-4.83	ENSG00000157191	NECAP2	chr1	+	16648175	16651097	"yes,JnId_h_937;JnId_h_939"
493	1.00e-48	-2.61	ENSG00000166913	YWHAB	chr20	+	42949703	42949797	"yes,JnId_h_51367;JnId_h_51368"
494	1.28e-48	-3.46	ENSG00000183479	TREX2	chrX	-	152389102	152389797	no
494	1.28e-48	-2.18	ENSG00000183479	TREX2	chrX	-	152366318	152366561	no
495	1.62e-48	-4.15	ENSG00000165609	NUDT5	chr10	-	12252237	12252913	no
496	2.09e-48	-4.33	ENSG00000105216	LSM14A	chr19	+	39402451	39402622	no
496	2.09e-48	-5.09	ENSG00000105216	LSM14A	chr19	+	39410110	39412048	no
497	3.00e-48	-2.04	ENSG00000108848	Q86Y74	chr17	+	46182861	46183054	no
497	3.00e-48	-7.88	ENSG00000108848	Q86Y74	chr17	+	46184560	46185069	no
498	3.94e-48	-2.55	ENSG00000109171	SLAIN2	chr4	+	48118785	48122825	no
499	3.96e-48	-2.43	ENSG00000198546	ZNF511	chr10	+	134971969	134972590	no
500	6.48e-48	-2.87	ENSG00000204523	HLA-B	chr6	-	31432842	31433001	no
501	7.05e-48	-3.98	ENSG00000105063	SAPS1	chr19	-	60461615	60462175	no
501	7.05e-48	-4.53	ENSG00000105063	SAPS1	chr19	-	60432960	60433711	no
502	7.2e-48 -3.67		ENSG00000163875	Clorf149	chr1	-	37730763	37732295	no
503	9.24e-48	-2.46	ENSG00000155096	AZIN1	chr8	-	103914460	103914622	no
503	9.24e-48	-2.44	ENSG00000155096	AZIN1	chr8	-	103911221	103911340	no
503	9.24e-48	-3.95	ENSG00000155096	AZIN1	chr8	-	103907712	103910082	no
504	9.58e-48	-3.21	ENSG00000204843	DCTN1	chr2	-	74458283	74458361	yes,JnId_h_46384
505	1.27e-47	-3.22	ENSG00000153944	MSI2	chr17	+	53064151	53065542	yes,JnId_b_28703
506	1.58e-47	-5.43	ENSG00000077721	UBE2A	chrX	+	118598326	118599591	no
506	1.58e-47	-2.36	ENSG00000077721	UBE2A	chrX	+	118601118	118602409	no
507	2.45e-47	-3.06	ENSG00000131747	no_name	chr17	-	35798321	35799425	no
508	2.62e-47	-2.17	ENSG00000184007	PTP4A2	chr1	-	32176175	32176578	no
508	2.62e-47	-3.39	ENSG00000184007	PTP4A2	chr1	-	32144609	32147148	no
509	2.64e-47	-2.64	ENSG00000125656	CLPP	chr19	+	6319549 6319915	no	
510	2.94e-47	-2.69	ENSG00000104904	OAZ1	chr19	+	2223971 2224487	no	
511	3.69e-47	-7.13	ENSG00000117899	MESDC2	chr15	-	79031355	79031692	no
511	3.69e-47	-9.78	ENSG00000117899	MESDC2	chr15	-	79026725	79028294	no
512	3.96e-47	-2.47	ENSG00000158435	C2orf29	chr2	+	101251934	101252030	no
512	3.96e-47	-3.08	ENSG00000158435	C2orf29	chr2	+	101252110	101253208	no
513	4.93e-47	-4.58	ENSG00000137076	TLN1	chr9	-	35722072	35722369	no
513	4.93e-47	-5.43	ENSG00000137076	TLN1	chr9	-	35713101	35714076	no
513	4.93e-47	-2.82	ENSG00000137076	TLN1	chr9	-	35711645	35711800	no
514	5.29e-47	-2.09	ENSG00000169714	CNBP	chr3	-	130371020	130372103	no
515	6.68e-47	-8.99	ENSG00000136888	ATP6V1G1	chr9	+	116399671	116400938	no
516	1.2e-46 -7.29		ENSG00000088247	KHSRP	chr19	-	6375464 6375805	no	
516	1.2e-46 -4.37		ENSG00000088247	KHSRP	chr19	-	6366256 6366312	yes,JnId_h_40126	
516	1.2e-46 -4.02		ENSG00000088247	KHSRP	chr19	-	6365188 6365242	no	
516	1.2e-46 -8.59		ENSG00000088247	KHSRP	chr19	-	6364457 6364528	no	
517	1.79e-46	-2.11	ENSG00000108654	DDX5	chr17	-	59926202	59926906	yes,JnId_h_36582
518	2.34e-46	-5.42	ENSG00000116120	FARSB	chr2	-	223143506	223144985	no
519	2.74e-46	-4.12	ENSG00000113387	SUB1	chr5	+	32636868	32639942	no
520	2.83e-46	-4.58	ENSG00000168036	CTNNB1	chr3	+	41252844	41252994	no

520	2.83e-46	-3.44	ENSG00000168036	CTNNB1	chr3	+	41253083	41253204	no
520	2.83e-46	-8	ENSG00000168036	CTNNB1	chr3	+	41255629	41256938	yes,JnId_h_56396
521	4.26e-46	-2.44	ENSG00000096384	HSP90AB1	chr6	+	44329204	44329598	no
522	4.46e-46	-2.17	ENSG00000106628	POLD2	chr7	-	44121890	44122017	no
522	4.46e-46	-6.11	ENSG00000106628	POLD2	chr7	-	44121419	44121520	yes,JnId_b_57243
522	4.46e-46	-13.54	ENSG00000106628	POLD2	chr7	-	44120812	44121069	no
523	5.01e-46	-8.34	ENSG00000162813	BPNT1	chr1	-	218297449	218298957	no
524	5.84e-46	-2.62	ENSG00000116288	PARK7	chr1	+	7967541	7968152	no
525	7.64e-46	-3.41	ENSG00000112739	PRPF4B	chr6	+	4008307	4010216	no
526	1.01e-45	-2.39	ENSG00000101191	DIDO1	chr20	-	61006795	61007897	no
526	1.01e-45	-2.55	ENSG00000101191	DIDO1	chr20	-	60979535	60984211	no
527	1.14e-45	-2.24	ENSG00000182551	ADI1	chr2	-	3480697	3481860	no
528	1.28e-45	-5.1	ENSG00000162298	SYVN1	chr11	-	64658503	64658580	no
529	1.37e-45	-2.67	ENSG00000163902	RPN1	chr3	-	129821503	129822126	no
530	1.40e-45	-5.03	ENSG00000146112	KIAA1949	chr6	-	30760164	30763651	no
531	1.46e-45	-2.1	ENSG00000108344	PSMD3	chr17	+	35405962	35406117	no
531	1.46e-45	-4.5	ENSG00000108344	PSMD3	chr17	+	35407283	35407738	yes,JnId_h_34792
532	2.05e-45	-3.43	ENSG00000197386	HD	chr4	+	3146471	3146632	no
532	2.05e-45	-3.02	ENSG00000197386	HD	chr4	+	3211371	3215484	no
533	2.53e-45	-2.79	ENSG00000119314	ROD1	chr9	-	114070150	114070296	yes,JnId_b_63027
533	2.53e-45	-2.99	ENSG00000119314	ROD1	chr9	-	114020536	114026084	no
534	3.68e-45	-2.32	ENSG00000136758	YME1L1	chr10	-	27449370	27449482	no
534	3.68e-45	-2.41	ENSG00000136758	YME1L1	chr10	-	27444995	27445068	yes,JnId_b_6788
534	3.68e-45	-4.68	ENSG00000136758	YME1L1	chr10	-	27439389	27441055	no
535	3.74e-45	-2.21	ENSG00000048991	R3HDM1	chr2	+	136115576	136115830	yes,JnId_h_47673
535	3.74e-45	-2.31	ENSG00000048991	R3HDM1	chr2	+	136197977	136199306	no
536	5.85e-45	-4.29	ENSG00000119139	TJP2	chr9	+	70978901	70979168	no
536	5.85e-45	-2.57	ENSG00000119139	TJP2	chr9	+	71022993	71023275	no
536	5.85e-45	-3.07	ENSG00000119139	TJP2	chr9	+	71058945	71059940	no
537	6.37e-45	-2.07	ENSG00000127824	TUBA4A	chr2	-	219822677	219824289	no
538	7.62e-45	-2.36	ENSG00000169504	CLIC4	chr1	+	25039851	25043402	no
539	9.36e-45	-9.5	ENSG00000143851	PTPN7	chr1	-	200396296	200397332	no
539	9.36e-45	-3.69	ENSG00000143851	PTPN7	chr1	-	200395032	200395742	no
540	9.9e-45	-6.36	ENSG00000110031	LPXN	chr11	-	58050925	58051772	no
541	1.67e-44	-5.5	ENSG00000163156	SCNM1	chr1	+	149408086	149409397	no
542	1.86e-44	-7.46	ENSG00000177830	CHID1	chr11	-	858417	859956	no
543	2.11e-44	-2.22	ENSG00000197943	PLCG2	chr16	+	80370408	80370530	no
543	2.11e-44	-2	ENSG00000197943	PLCG2	chr16	+	80461958	80462041	yes,JnId_b_25338
543	2.11e-44	-3.86	ENSG00000197943	PLCG2	chr16	+	80549062	80549399	no
544	2.55e-44	-13.63	ENSG00000182899	RPL35A	chr3	+	199167018	199167116	no
545	3.04e-44	-2.05	ENSG00000167522	ANKRD11	chr16	-	87892785	87894871	yes,JnId_h_32063
546	4,00E-44	-3.72	ENSG00000172354	GNB2	chr7	+	100109311	100109482	no
546	4,00E-44	-2.82	ENSG00000172354	GNB2	chr7	+	100114254	100114727	no
547	7.76e-44	-6.52	ENSG00000040341	STAU2	chr8	-	74624393	74627108	no
548	1.60e-43	-4.84	ENSG00000127325	BEST3	chr12	-	68363296	68364655	yes,JnId_b_14884
548	1.60e-43	-2.95	ENSG00000127325	BEST3	chr12	-	68356963	68357115	yes,JnId_b_14880
549	1.93e-43	-3.44	ENSG00000090686	USP48	chr1	-	21922978	21924199	no
549	1.93e-43	-2.86	ENSG00000090686	USP48	chr1	-	21877659	21878519	no
550	2.28e-43	-2.61	ENSG00000084207	GSTP1	chr11	+	67108171	67108216	"yes,JnId_b_11423;JnId_b_11424"
551	2.46e-43	-2.11	ENSG00000088387	DOCK9	chr13	-	98338615	98338802	no
551	2.46e-43	-2.56	ENSG00000088387	DOCK9	chr13	-	98317680	98317791	no
551	2.46e-43	-10.07	ENSG00000088387	DOCK9	chr13	-	98296775	98297939	no
551	2.46e-43	-2.04	ENSG00000088387	DOCK9	chr13	-	98243742	98245006	no
552	6.53e-43	-2.51	ENSG00000091527	CDV3	chr3	+	134789430	134791794	yes,JnId_h_59174
553	1.58e-42	-6.49	ENSG00000140464	PML	chr15	+	72123615	72127204	no
554	1.83e-42	-2.19	ENSG00000197157	SND1	chr7	+	127512999	127513068	no
554	1.83e-42	-3.49	ENSG00000197157	SND1	chr7	+	127519281	127519894	no
555	2.02e-42	-2.86	ENSG00000099810	MTAP	chr9	+	21851975	21857077	no
556	2.3e-42	-2.52	ENSG00000108829	LRRC59	chr17	-	45813598	45815595	no
557	2.42e-42	-9.56	ENSG00000173674	EIF1AP1	chrX	-	20052557	20056350	no
558	2.8e-42	-6.06	ENSG00000144381	HSPD1	chr2	-	198073129	198073243	yes,JnId_b_39155
558	2.8e-42	-2.69	ENSG00000144381	HSPD1	chr2	-	198059555	198060167	no
559	2.99e-42	-2.54	ENSG00000134440	NARS	chr18	-	53433871	53433960	no
559	2.99e-42	-2.01	ENSG00000134440	NARS	chr18	-	53418894	53420013	no

560	3.98e-42	-4.22	ENSG00000113013	HSPA9	chr5	-	137921457	137921574	no
560	3.98e-42	-9.38	ENSG00000113013	HSPA9	chr5	-	137918924	137919702	no
561	4.17e-42	-3.55	ENSG00000064726	BTBD1	chr15	-	81476189	81477981	no
562	5.9e-42	-2.57	ENSG00000136448	NMT1	chr17	+	40537753	40537890	no
562	5.9e-42	-3.54	ENSG00000136448	NMT1	chr17	+	40538513	40541903	no
563	6.69e-42	-2.51	ENSG00000125107	CNOT1	chr16	-	57179185	57179283	no
563	6.69e-42	-2.14	ENSG00000125107	CNOT1	chr16	-	57145187	57145265	yes,JnId_h_30900
563	6.69e-42	-3.01	ENSG00000125107	CNOT1	chr16	-	57112588	57112722	no
563	6.69e-42	-2.6	ENSG00000125107	CNOT1	chr16	-	57111359	57112441	no
564	7.15e-42	-3.97	ENSG00000105329	TGFB1	chr19	-	46550435	46551628	no
564	7.15e-42	-17.43	ENSG00000105329	TGFB1	chr19	-	46528254	46528955	no
565	7.34e-42	-2.29	ENSG00000172534	HCFC1	chrX	-	152889293	152890452	no
566	9.7e-42	-2.25	ENSG00000117713	ARID1A	chr1	+	26895111	26896618	no
567	1.05e-41	-2.45	ENSG00000112245	PTP4A1	chr6	+	64339879	64340583	no
567	1.05e-41	-3.59	ENSG00000160209	PDXK	chr21	+	44000260	44006608	no
569	1.17e-41	-3.41	ENSG00000087263	OGFOD1	chr16	+	55059318	55059431	no
569	1.17e-41	-10.88	ENSG00000087263	OGFOD1	chr16	+	55067457	55070513	no
570	1.25e-41	-4.84	ENSG00000106588	PSMA2	chr7	-	42922989	42923814	no
571	1.50e-41	-4.07	ENSG00000051108	HERPUD1	chr16	+	55523249	55523804	no
571	1.50e-41	-6.06	ENSG00000051108	HERPUD1	chr16	+	55534539	55535294	no
572	1.62e-41	-11.22	ENSG00000167797	CDK2AP2	chr11	-	67032048	67032678	yes,JnId_b_11420
573	2.04e-41	-5.04	ENSG00000094631	HDAC6	chrX	+	48545406	48545902	yes,JnId_h_81153
573	2.04e-41	-4.69	ENSG00000094631	HDAC6	chrX	+	48548982	48550297	"yes,JnId_h_81157;JnId_h_81158;JnId_h_81158"
573	2.04e-41	-5.41	ENSG00000094631	HDAC6	chrX	+	48556704	48557917	no
573	2.04e-41	-2.4	ENSG00000094631	HDAC6	chrX	+	48558313	48558841	yes,JnId_h_81164
574	2.38e-41	-2.47	ENSG00000167747	C19orf48	chr19	-	55999641	55999998	no
575	2.67e-41	-4.36	ENSG00000107959	PITRM1	chr10	-	3189122	3189723	yes,JnId_h_8754
575	2.67e-41	-3.3	ENSG00000107959	PITRM1	chr10	-	3179764	3181945	"yes,JnId_h_8748;JnId_h_8749;JnId_h_8749;JnId_h_8750;JnId_h_8750"
575	2.67e-41	-2.44	ENSG00000107959	PITRM1	chr10	-	3169922	3170316	no
576	3.66e-41	-3.32	ENSG00000154930	ACSS1	chr20	-	24986405	24987616	no
576	3.66e-41	-4.59	ENSG00000154930	ACSS1	chr20	-	24937906	24938635	no
577	4.36e-41	-6.47	ENSG00000112182	BACH2	chr6	-	91038289	91038381	"yes,JnId_b_55585;JnId_b_55586"
577	4.36e-41	-3.32	ENSG00000112182	BACH2	chr6	-	90692969	90699330	no
578	4.99e-41	-3.08	ENSG00000197771	C10orf119	chr10	-	121608543	121608683	no
578	4.99e-41	-7.57	ENSG00000197771	C10orf119	chr10	-	121578962	121581102	no
579	5.44e-41	-2.39	ENSG00000168397	ATG4B	chr2	+	242239352	242239423	yes,JnId_b_40107
579	5.44e-41	-6.6	ENSG00000168397	ATG4B	chr2	+	242260279	242261942	no
580	5.92e-41	-4.11	ENSG00000137720	C11orf1	chr11	+	111259705	111261774	no
581	5.92e-41	-2.7	ENSG00000117054	ACADM	chr1	+	75962624	75963090	yes,JnId_h_3892
581	5.92e-41	-5.09	ENSG00000117054	ACADM	chr1	+	76000965	76001952	no
582	6.16e-41	-2.66	ENSG00000005810	MYCBP2	chr13	-	76677392	76677519	"yes,JnId_h_22116;JnId_h_22150"
582	6.16e-41	-2.81	ENSG00000005810	MYCBP2	chr13	-	76663815	76663949	"yes,JnId_h_22116;JnId_h_22150"
582	6.16e-41	-2.02	ENSG00000005810	MYCBP2	chr13	-	76516793	76517629	no
583	8.17e-41	-3.19	ENSG00000132388	UBE2G1	chr17	-	4119261	4122560	no
584	9.66e-41	-2.32	ENSG00000122515	ZMIZ2	chr7	+	44773640	44776002	yes,JnId_h_71764
585	1.01e-40	-2.88	ENSG00000184207	no_name	chr16	-	2202030	2202849	no
586	1.32e-40	-4	ENSG00000134186	PRPF38B	chr1	+	109040885	109041649	yes,JnId_h_4457
587	1.37e-40	-2.08	ENSG00000105379	ETFB	chr19	-	56549216	56552178	no
588	1.41e-40	-25.4	ENSG00000110801	PSMD9	chr12	+	120838573	120840153	no
589	1.52e-40	-3.93	ENSG00000115825	PRKD3	chr2	-	37398434	37398541	no
590	2.26e-40	-3.86	ENSG00000127463	KIAA0090	chr1	-	19414745	19418563	no
591	2.67e-40	-4.36	ENSG00000100345	MYH9	chr22	-	35047749	35047812	yes,JnId_h_54298
592	3.15e-40	-7.62	ENSG00000105887	MTPN	chr7	-	135262051	135262336	no
593	3.4e-40	-2.98	ENSG00000106603	C7orf44	chr7	-	43735553	43735637	yes,JnId_h_71645
594	3.66e-40	-2.3	ENSG00000124562	SNRPC	chr6	+	34833309	34833709	no
595	6.08e-40	-3.77	ENSG00000113368	LMNB1	chr5	+	126199814	126200582	no
596	6.21e-40	-2.76	ENSG00000164172	MOCS2	chr5	-	52440852	52441359	no
596	6.21e-40	-2.52	ENSG00000164172	MOCS2	chr5	-	52427266	52430254	no
597	7.69e-40	-3.69	ENSG00000150961	SEC24D	chr4	-	119863427	119864258	no
598	8.15e-40	-4.3	ENSG00000150768	DLAT	chr11	+	111438340	111439798	no
599	8.42e-40	-5.08	ENSG00000127603	MACF1	chr1	+	39569397	39574912	no
600	9.7e-40	-2.7	ENSG00000088832	FKBP1A	chr20	-	1300366	1300884	no
601	1.17e-39	-2.27	ENSG00000180370	PAK2	chr3	+	198039587	198043749	no
602	1.22e-39	-4.79	ENSG0000010292	NCAPD2	chr12	+	6472806	6473581	yes,JnId_b_12994

602	1.22e-39	-2.35	ENSG00000010292	NCAPD2	chr12	+	6489502	6489560	no	
602	1.22e-39	-3.91	ENSG00000010292	NCAPD2	chr12	+	6510754	6511381	no	
603	1.31e-39	-4.43	ENSG000000120948	TARDBP	chr1	+	11004768	11008133	yes	JnId_h_635
604	1.62e-39	-4.72	ENSG000000112759	SLC29A1	chr6	+	44301688	44301882	yes	JnId_h_68590
604	1.62e-39	-2.62	ENSG000000112759	SLC29A1	chr6	+	44302854	44303057	yes	JnId_h_68591
605	1.82e-39	-3.01	ENSG000000116698	SMG7	chr1	+	181708257	181708407	no	
606	2.16e-39	-2.4	ENSG000000179091	CYC1	chr8	+	145221968	145222119	no	
606	2.16e-39	-2.29	ENSG000000179091	CYC1	chr8	+	145223925	145224025	no	
606	2.16e-39	-5.52	ENSG000000179091	CYC1	chr8	+	145224123	145224415	no	
607	2.42e-39	-2.94	ENSG000000116455	WDR77	chr1	-	111784035	111785534	no	
608	2.49e-39	-3.74	ENSG000000117592	PRDX6	chr1	+	171713028	171713254	no	
608	2.49e-39	-8.56	ENSG000000117592	PRDX6	chr1	+	171723497	171724569	no	
609	2.76e-39	-11.03	ENSG000000115677	HDLBP	chr2	-	241903658	241903908	no	
609	2.76e-39	-4.98	ENSG000000115677	HDLBP	chr2	-	241816817	241817775	yes	JnId_h_49860
610	2.78e-39	-304.83	ENSG000000189266	PNRC2	chr1	+	24160517	24162539	no	
611	3.94e-39	-2.72	ENSG000000156504	FAM122B	chrX	-	133731262	133733979	"yes	JnId_b_65892;JnId_b_65894"
612	5.32e-39	-3.16	ENSG000000158062	UBXD5	chr1	-	26517125	26517441	no	
612	5.32e-39	-2.44	ENSG000000158062	UBXD5	chr1	-	26480406	26481647	no	
613	6.13e-39	-2.01	ENSG000000119596	YLPM1	chr14	+	74371721	74371903	no	
613	6.13e-39	-2.3	ENSG000000119596	YLPM1	chr14	+	74372231	74372621	no	
614	8.89e-39	-3.61	ENSG000000197601	MLSTD2	chr11	+	13706735	13710467	no	
615	9.05e-39	-2.61	ENSG000000114850	SSR3	chr3	-	157741239	157743752	no	
616	9.14e-39	-3.87	ENSG000000105197	TIMM50	chr19	+	44662892	44663441	no	
616	9.14e-39	-2.73	ENSG000000105197	TIMM50	chr19	+	44672199	44673368	no	
617	1.16e-38	-8.22	ENSG000000167996	FTH1	chr11	-	61488335	61488939	no	
618	1.42e-38	-10.57	ENSG000000163050	CABC1	chr1	+	225151212	225153888	no	
618	1.42e-38	-3.17	ENSG000000163050	CABC1	chr1	+	225240777	225241869	no	
619	1.56e-38	-2.56	ENSG000000133226	SRRM1	chr1	+	24842179	24842425	yes	JnId_b_1201
619	1.56e-38	-2.46	ENSG000000133226	SRRM1	chr1	+	24871260	24872345	no	
620	1.74e-38	-2.11	ENSG000000112237	CCNC	chr6	-	100117439	100117545	yes	JnId_h_69431
620	1.74e-38	-2.29	ENSG000000112237	CCNC	chr6	-	100096984	100098206	yes	JnId_h_69432
621	1.78e-38	-2.56	ENSG000000088766	CRLS1	chr20	+	5965720	5968699	no	
622	1.79e-38	-2.37	ENSG000000137804	NUSAP1	chr15	+	39435529	39435630	no	
622	1.79e-38	-7.06	ENSG000000137804	NUSAP1	chr15	+	39437639	39437748	no	
622	1.79e-38	-2.23	ENSG000000137804	NUSAP1	chr15	+	39456686	39456794	yes	JnId_b_20547
622	1.79e-38	-5.57	ENSG000000137804	NUSAP1	chr15	+	39459583	39460535	no	
623	1.92e-38	-2.49	ENSG000000108604	SMARCD2	chr17	-	59263176	59264083	no	
624	2.41e-38	-6.13	ENSG000000096433	ITPR3	chr6	+	33696500	33697446	no	
624	2.41e-38	-3.35	ENSG000000096433	ITPR3	chr6	+	33735221	33735304	no	
624	2.41e-38	-2.93	ENSG000000096433	ITPR3	chr6	+	33749346	33749475	no	
624	2.41e-38	-2.18	ENSG000000096433	ITPR3	chr6	+	33752770	33752844	no	
624	2.41e-38	-2.12	ENSG000000096433	ITPR3	chr6	+	33771467	33772329	no	
625	2.96e-38	-2.95	ENSG000000136908	DPM2	chr9	-	129738134	129738755	no	
626	3.20e-38	-2.62	ENSG000000134802	SLC43A3	chr11	-	56950637	56950701	no	
627	3.27e-38	-4.73	ENSG000000109606	DHX15	chr4	-	24151561	24151669	no	
627	3.27e-38	-3.94	ENSG000000109606	DHX15	chr4	-	24140322	24140491	no	
627	3.27e-38	-12.78	ENSG000000109606	DHX15	chr4	-	24138188	24138762	no	
628	3.27e-38	-6.56	ENSG000000116649	SRM	chr1	-	11042421	11042678	no	
628	3.27e-38	-2.28	ENSG000000116649	SRM	chr1	-	11037236	11037529	yes	JnId_b_497
629	3.47e-38	-10.99	ENSG000000136522	MRPL47	chr3	-	180788951	180789477	no	
630	4.01e-38	-3.15	ENSG000000183020	AP2A2	chr11	+	915841	916088	no	
630	4.01e-38	-4.46	ENSG000000183020	AP2A2	chr11	+	1000548	1002240	no	
631	4.31e-38	-3.29	ENSG000000152234	ATP5A1	chr18	-	41918468	41918618	no	
631	4.31e-38	-4.52	ENSG000000152234	ATP5A1	chr18	-	41918108	41918327	no	
632	4.47e-38	-3.51	ENSG000000165669	C10orf84	chr10	-	120055391	120060410	no	
633	4.78e-38	-2.13	ENSG000000138801	PAPSS1	chr4	-	108794096	108794231	no	
633	4.78e-38	-5.74	ENSG000000138801	PAPSS1	chr4	-	108754272	108754992	no	
634	5.03e-38	-2.72	ENSG000000172349	IL16	chr15	+	79388001	79388491	no	
635	5.46e-38	-9.31	ENSG000000154832	CXXC1	chr18	-	46067955	46068690	no	
636	5.6e-38	-2.98	ENSG000000183172	C22orf32	chr22	+	40809069	40810233	no	
637	7.06e-38	-6.38	ENSG00000006114	AP1GBP1	chr17	-	33001064	33003139	yes	JnId_b_27469
638	8.58e-38	-4.46	ENSG000000156411	C14orf2	chr14	-	103448380	103448784	no	
639	9.51e-38	-2.18	ENSG000000134057	CCNB1	chr5	+	68508822	68508932	no	
639	9.51e-38	-6.8	ENSG000000134057	CCNB1	chr5	+	68509107	68509828	no	

640	1.10e-37	-2.36	ENSG00000160200	CBS	chr21	-	43349237	43349278	"yes,JnId_h_52707;JnId_h_52708"
641	1.19e-37	-4.07	ENSG0000022840	RNF10	chr12	+	119497978	119498136	no
641	1.19e-37	-9.22	ENSG0000022840	RNF10	chr12	+	119498776	119499740	no
642	1.79e-37	-3.1	ENSG00000143624	INTS3	chr1	+	151991379	151991508	no
642	1.79e-37	-5.23	ENSG00000143624	INTS3	chr1	+	152005575	152006927	no
643	1.86e-37	-2.12	ENSG00000118308	LRMP	chr12	+	25127624	25127694	yes,JnId_b_13420
643	1.86e-37	-4.6	ENSG00000118308	LRMP	chr12	+	25132301	25132358	yes,JnId_b_13420
643	1.86e-37	-2.35	ENSG00000118308	LRMP	chr12	+	25152018	25152535	no
644	2.34e-37	-3.25	ENSG00000110696	C11orf58	chr11	+	16732994	16734149	no
645	2.40e-37	-3.2	ENSG00000080603	Q6P4A2	chr16	+	30619438	30619700	no
645	2.40e-37	-2.24	ENSG00000080603	Q6P4A2	chr16	+	30622886	30623137	no
646	2.42e-37	-3.93	ENSG00000188938	FAM120AOS	chr9	-	95254250	95255695	no
647	2.55e-37	-8.83	ENSG00000186001	LRCH3	chr3	+	199091780	199094643	yes,JnId_h_60470
647	2.55e-37	-2.13	ENSG00000186001	LRCH3	chr3	+	199096845	199097098	no
648	3.26e-37	-7.71	ENSG00000064666	CNN2	chr19	+	977298	977723	no
649	3.35e-37	-2.13	ENSG00000108349	CASC3	chr17	+	35580226	35581950	no
650	3.57e-37	-2.74	ENSG00000113712	CSNK1A1	chr5	-	148855038	148856616	no
651	4.52e-37	-5	ENSG00000156976	EIF4A2	chr3	+	187989608	187990377	no
652	5.05e-37	-3.06	ENSG00000204267	TAP2	chr6	-	32901165	32904789	no
653	1.12e-36	-6.91	ENSG00000140848	CPNE2	chr16	+	55684007	55684203	no
653	1.12e-36	-3.23	ENSG00000140848	CPNE2	chr16	+	55706889	55706963	no
653	1.12e-36	-2.4	ENSG00000140848	CPNE2	chr16	+	55710608	55710691	no
653	1.12e-36	-11.9	ENSG00000140848	CPNE2	chr16	+	55737498	55739377	yes,JnId_h_30772
654	1.23e-36	-2.68	ENSG00000166226	CCT2	chr12	+	68281342	68281624	yes,JnId_h_19040
655	1.47e-36	-2.98	ENSG00000077147	TM9SF3	chr10	-	98267856	98272077	no
656	1.97e-36	-6.63	ENSG00000135439	CENTG1	chr12	-	56417129	56418296	yes,JnId_b_14675
656	1.97e-36	-2.48	ENSG00000135439	CENTG1	chr12	-	56405251	56406844	no
657	2.21e-36	-2.18	ENSG00000171425	ZNF580	chr19	+	60838194	60838890	no
658	2.34e-36	-4.28	ENSG00000130723	KIAA0515	chr9	+	133259301	133259471	no
658	2.34e-36	-2.71	ENSG00000130723	KIAA0515	chr9	+	133360948	133365405	yes,JnId_b_63973
659	2.63e-36	-2.66	ENSG00000165283	STOML2	chr9	-	35090595	35091008	yes,JnId_h_77453
659	2.63e-36	-6.13	ENSG00000165283	STOML2	chr9	-	35089593	35090169	no
660	3.52e-36	-5.86	ENSG00000100296	THOC5	chr22	-	28231868	28234509	no
661	3.53e-36	-5.3	ENSG00000053372	MRT04	chr1	+	19450620	19450944	no
661	3.53e-36	-4.31	ENSG00000053372	MRT04	chr1	+	19457762	19459209	no
662	3.82e-36	-2.17	ENSG00000105401	CDC37	chr19	-	10375054	10375271	no
662	3.82e-36	-2.26	ENSG00000105401	CDC37	chr19	-	10362809	10363382	no
663	4.12e-36	-2.19	ENSG00000095585	BLNK	chr10	-	97946654	97946809	no
663	4.12e-36	-2.28	ENSG00000095585	BLNK	chr10	-	97941453	97941838	no
664	4.76e-36	-5.31	ENSG00000107341	UBE2R2	chr9	+	33907016	33910401	yes,JnId_b_62014
665	5.82e-36	-2.53	ENSG00000136819	C9orf78	chr9	-	131637239	131637375	no
665	5.82e-36	-5.28	ENSG00000136819	C9orf78	chr9	-	131629390	131630352	no
666	6.7e-36	-6.38	ENSG00000185825	BCAP31	chrX	-	152642983	152643364	no
667	6.9e-36	-2.75	ENSG00000136709	WDR33	chr2	-	128200695	128200821	no
667	6.9e-36	-6.25	ENSG00000136709	WDR33	chr2	-	128178280	128180596	no
668	7.83e-36	-19.05	ENSG00000005022	SLC25A5	chrX	+	118488892	118489386	no
669	7.92e-36	-2.54	ENSG00000164880	Q6ZRB0	chr7	-	1506046	1506183	no
669	7.92e-36	-5.09	ENSG00000164880	Q6ZRB0	chr7	-	1488440	1490015	"yes,JnId_h_70879;JnId_h_70881;JnId_h_70882"
669	7.92e-36	-2.85	ENSG00000164880	Q6ZRB0	chr7	-	1476439	1476854	no
670	8.82e-36	-6.02	ENSG00000204084	INPP5B	chr1	-	38166796	38170312	no
671	9.9e-36	-2.15	ENSG00000173905	GOLPH4	chr3	-	169209925	169210900	no
672	1.09e-35	-3.94	ENSG00000102030	ARD1A	chrX	-	152847889	152848870	no
673	1.12e-35	-4.58	ENSG00000197448	GSTK1	chr7	+	142676507	142678069	no
674	1.26e-35	-2.12	ENSG00000108010	TXNL2	chr10	+	131854761	131854933	no
675	1.28e-35	-2.04	ENSG00000174243	DDX23	chr12	-	47512128	47512236	no
675	1.28e-35	-5.19	ENSG00000174243	DDX23	chr12	-	47509807	47510742	no
676	1.33e-35	-2.86	ENSG00000111348	ARHGDIB	chr12	-	15005738	15005870	yes,JnId_b_13316
677	1.61e-35	-3.31	ENSG0000014641	MDH1	chr2	+	63687500	63687832	no
678	1.73e-35	-3.69	ENSG00000204264	PSMB8	chr6	-	32920034	32920690	no
679	1.91e-35	-4.6	ENSG00000093010	COMT	chr22	+	18336059	18337450	no
680	2.07e-35	-2.28	ENSG00000170365	SMAD1	chr4	+	146698393	146699773	no
681	2.18e-35	-4.32	ENSG00000117395	EBNA1BP2	chr1	-	43402440	43402751	no
682	2.27e-35	-2.8	ENSG00000035928	RFC1	chr4	-	38980752	38980889	no
682	2.27e-35	-5.83	ENSG00000035928	RFC1	chr4	-	38965471	38966859	no

683	2.39e-35	-2.55	ENSG00000101246	ARFRP1	chr20	-	61808795	61809454	no	
684	2.42e-35	-3.95	ENSG00000008282	SYPL1	chr7	-	105518194	105519621	no	
685	2.81e-35	-3.36	ENSG00000104549	SQLE	chr8	+	126103177	126103707	no	
686	3.26e-35	-3.02	ENSG00000143384	MCL1	chr1	-	148813661	148816591	no	
687	3.35e-35	-4.13	ENSG00000134779	C18orf10	chr18	-	32662644	32663156	no	
687	3.35e-35	-4.77	ENSG00000134779	C18orf10	chr18	-	32630033	32631011	yes	JnId_h_38742
688	3.98e-35	-2.77	ENSG00000129250	KIF1C	chr17	+	4867487	4872420	no	
689	4.37e-35	-3.25	ENSG00000105221	AKT2	chr19	-	45482928	45483036	no	
689	4.37e-35	-2.59	ENSG00000105221	AKT2	chr19	-	45430710	45431436	no	
689	4.37e-35	-4.09	ENSG00000105221	AKT2	chr19	-	45430084	45430613	no	
690	4.66e-35	-5.88	ENSG00000136167	LCP1	chr13	-	45654247	45654386	no	
691	4.88e-35	-5.14	ENSG00000111530	CAND1	chr12	+	65992653	65994658	no	
692	5.08e-35	-2.67	ENSG00000130348	QRSL1	chr6	+	107207035	107208391	no	
692	5.08e-35	-2.13	ENSG00000130348	QRSL1	chr6	+	107220350	107222985	no	
693	5.22e-35	-4.54	ENSG00000119969	HELLS	chr10	+	96359600	96363652	no	
694	6.72e-35	-4.34	ENSG00000167325	RRM1	chr11	+	4116001	4116681	yes	JnId_h_12297
695	7.51e-35	-2.61	ENSG00000182606	TRAK1	chr3	+	42226263	42229111	no	
696	7.74e-35	-3.86	ENSG00000111885	MAN1A1	chr6	-	119540073	119542809	no	
697	7.75e-35	-2.4	ENSG00000002549	LAP3	chr4	+	17218121	17218692	no	
698	1.06e-34	-2.5	ENSG00000160218	TMEM1	chr21	+	44296589	44296785	no	
698	1.06e-34	-2.41	ENSG00000160218	TMEM1	chr21	+	44347602	44350852	no	
699	1.18e-34	-3.97	ENSG00000108883	EFTUD2	chr17	-	40327311	40327419	no	
699	1.18e-34	-5.52	ENSG00000108883	EFTUD2	chr17	-	40283363	40284263	no	
700	1.24e-34	-9.58	ENSG00000147155	EBP	chrX	+	48264490	48265239	no	
701	1.45e-34	-4.8	ENSG00000147654	EBAG9	chr8	+	110645844	110647397	no	
702	1.54e-34	-4.08	ENSG00000134882	UBAC2	chr13	+	98651109	98651822	yes	JnId_h_22401
703	1.54e-34	-2.12	ENSG00000181090	EHMT1	chr9	+	139757644	139757801	yes	JnId_b_64437
703	1.54e-34	-3.05	ENSG00000181090	EHMT1	chr9	+	139849046	139850397	no	
704	1.60e-34	-3.47	ENSG00000121892	Q96DB6	chr4	-	39655741	39655887	no	
704	1.60e-34	-2.92	ENSG00000121892	Q96DB6	chr4	-	39500879	39503503	no	
705	1.62e-34	-6.81	ENSG00000168383	HLA-DPB1	chr6	+	33162294	33162956	no	
706	1.78e-34	-8.89	ENSG00000111275	ALDH2	chr12	+	110688729	110689283	no	
706	1.78e-34	-5.51	ENSG00000111275	ALDH2	chr12	+	110731730	110732165	no	
707	1.84e-34	-2.37	ENSG00000183624	C3orf37	chr3	+	130480374	130480438	no	
707	1.84e-34	-2.49	ENSG00000183624	C3orf37	chr3	+	130506122	130506823	no	
708	1.97e-34	-2.35	ENSG00000172053	QARS	chr3	-	49110429	49110554	yes	JnId_b_45850
708	1.97e-34	-3.47	ENSG00000172053	QARS	chr3	-	49108377	49108516	yes	JnId_b_45850
709	2.47e-34	-3.72	ENSG00000132842	AP3B1	chr5	-	77332105	77334635	no	
710	2.58e-34	-3.38	ENSG00000173039	RELA	chr11	-	65177649	65179047	no	
711	2.67e-34	-3	ENSG00000113575	PPP2CA	chr5	-	133560047	133561434	no	
712	3.19e-34	-4.21	ENSG00000120685	C13orf23	chr13	-	38509335	38510213	yes	JnId_b_16974
712	3.19e-34	-2.62	ENSG00000120685	C13orf23	chr13	-	38498414	38498524	no	
712	3.19e-34	-3	ENSG00000120685	C13orf23	chr13	-	38484220	38484370	no	
712	3.19e-34	-8.85	ENSG00000120685	C13orf23	chr13	-	38482003	38483624	no	
713	3.55e-34	-2.42	ENSG00000148484	RSU1	chr10	-	16898978	16899533	yes	JnId_h_9084
713	3.55e-34	-3.52	ENSG00000148484	RSU1	chr10	-	16672616	16675501	no	
714	3.55e-34	-2.77	ENSG00000156531	PHF6	chrX	+	133378865	133382019	no	
715	4.32e-34	-3.89	ENSG00000079950	STX7	chr6	-	132875839	132876030	no	
715	4.32e-34	-3.17	ENSG00000079950	STX7	chr6	-	132820747	132823682	no	
716	5.81e-34	-4.39	ENSG00000103363	TCEB2	chr16	-	2761474	2761606	no	
717	6.08e-34	-5.36	ENSG00000135297	MTO1	chr6	+	74267018	74269005	no	
718	6.39e-34	-5.86	ENSG00000160214	RRP1	chr21	+	44047821	44049585	yes	JnId_h_52775
719	6.8e-34	-4.07	ENSG00000167965	Q86Y18	chr16	+	2198452	2199412	yes	JnId_h_28915
720	7.48e-34	-24.42	ENSG00000155380	SLC16A1	chr1	-	113255992	113258310	no	
721	1.09e-33	-3.24	ENSG00000137393	IBRDC2	chr6	+	18547894	18547954	yes	JnId_b_53655
721	1.09e-33	-4.09	ENSG00000137393	IBRDC2	chr6	+	18573137	18576827	no	
722	1.16e-33	-2.03	ENSG00000141644	MBD1	chr18	-	46051837	46051908	yes	JnId_b_30608
722	1.16e-33	-6.49	ENSG00000141644	MBD1	chr18	-	46047254	46048031	no	
723	1.38e-33	-2.39	ENSG00000162191	Q05BV2	chr11	-	62200549	62201053	yes	JnId_h_13844
724	2.44e-33	-2.97	ENSG00000169813	HNRPF	chr10	-	43224544	43224620	yes	JnId_h_9462
724	2.44e-33	-5.81	ENSG00000169813	HNRPF	chr10	-	43223171	43223273	"yes	JnId_h_9460;JnId_h_9461;JnId_h_9462"
725	2.60e-33	-3.92	ENSG00000140525	KIAA1794	chr15	+	87626000	87627485	yes	JnId_h_27852
725	2.60e-33	-4.81	ENSG00000140525	KIAA1794	chr15	+	87660632	87661366	no	
726	2.77e-33	-2.52	ENSG00000087365	SF3B2	chr11	+	65576392	65576564	no	

726	2.77e-33	-4.2	ENSG00000087365	SF3B2	chr11	+	65591993	65592092	no
726	2.77e-33	-4.14	ENSG00000087365	SF3B2	chr11	+	65592195	65592380	no
726	2.77e-33	-5.89	ENSG00000087365	SF3B2	chr11	+	65592721	65592958	no
727	2.78e-33	-10.18	ENSG00000106948	AKNA	chr9	-	116189961	116190182	"yes,JnId_b_63123;JnId_b_63124"
727	2.78e-33	-2.26	ENSG00000106948	AKNA	chr9	-	116183161	116183547	yes,JnId_b_63122
727	2.78e-33	-3.91	ENSG00000106948	AKNA	chr9	-	116166661	116166720	yes,JnId_b_63103
727	2.78e-33	-6.29	ENSG00000106948	AKNA	chr9	-	116161188	116161895	yes,JnId_b_63103
728	3.31e-33	-2.47	ENSG00000165025	SYK	chr9	+	92603890	92603996	no
728	3.31e-33	-2.1	ENSG00000165025	SYK	chr9	+	92604030	92604108	yes,JnId_b_62558
728	3.31e-33	-4.27	ENSG00000165025	SYK	chr9	+	92629591	92629682	yes,JnId_b_62558
729	4.58e-33	-6.99	ENSG00000125870	SNRPB2	chr20	+	16669491	16670421	no
730	4.89e-33	-4.96	ENSG00000141759	TXNL4A	chr18	-	75833857	75834844	no
731	5.27e-33	-2.19	ENSG00000165138	ANKS6	chr9	-	100533432	100538726	no
732	6.25e-33	-6.28	ENSG00000115685	PPP1R7	chr2	+	241737746	241738635	yes,JnId_h_49849
732	6.25e-33	-6.18	ENSG00000115685	PPP1R7	chr2	+	241770735	241771712	no
733	6.47e-33	-3.24	ENSG00000144021	CIAO1	chr2	+	96295611	96295954	no
733	6.47e-33	-4.44	ENSG00000144021	CIAO1	chr2	+	96300576	96303619	yes,JnId_h_46754
734	6.8e-33	-2.49	ENSG00000138069	RAB1A	chr2	-	65167493	65169328	no
735	8.52e-33	-2.67	ENSG00000065135	GNAI3	chr1	+	109930874	109931027	no
735	8.52e-33	-7.25	ENSG00000065135	GNAI3	chr1	+	109936490	109938498	no
736	1.08e-32	-2.99	ENSG00000140995	Q8N8N3	chr16	+	88543326	88543547	yes,JnId_b_25788
737	1.19e-32	-4.2	ENSG00000119414	PPP6C	chr9	-	126948673	126952021	no
738	1.21e-32	-4.9	ENSG00000087191	PSMC5	chr17	+	59258519	59259015	no
738	1.21e-32	-2.26	ENSG00000087191	PSMC5	chr17	+	59261225	59261281	no
738	1.21e-32	-2.47	ENSG00000087191	PSMC5	chr17	+	59262598	59262708	yes,JnId_b_29004
738	1.21e-32	-3.37	ENSG00000087191	PSMC5	chr17	+	59262816	59262902	yes,JnId_b_29009
739	1.33e-32	-2.1	ENSG00000133706	LARS	chr5	-	145473221	145474067	no
740	1.38e-32	-7.94	ENSG00000100811	YY1	chr14	+	99813508	99814557	no
741	1.40e-32	-13.14	ENSG00000108588	CCDC47	chr17	-	59176343	59178053	no
742	1.40e-32	-2.4	ENSG00000109332	UBE2D3	chr4	-	104009313	104009473	no
743	1.61e-32	-4.24	ENSG00000100219	XBP1	chr22	-	27520549	27521720	no
744	2.05e-32	-2.32	ENSG00000154305	MIA3	chr1	+	220905274	220907977	no
745	2.54e-32	-6.76	ENSG00000139428	MMAB	chr12	-	108477662	108479324	no
746	2.94e-32	-6.25	ENSG00000107164	FUBP3	chr9	+	132502222	132503560	no
747	3.1e-32	-4.5	ENSG00000126746	ZNF384	chr12	-	6668525	6668751	yes,JnId_h_16946
747	3.1e-32	-3.29	ENSG00000126746	ZNF384	chr12	-	6651777	6651959	yes,JnId_h_16939
748	3.57e-32	-2.16	ENSG00000104894	CD37	chr19	+	54530564	54530678	no
749	4.05e-32	-4.2	ENSG00000163781	TOPBP1	chr3	-	134802140	134802927	no
750	4.19e-32	-4.3	ENSG00000147649	MTDH	chr8	+	98806004	98807711	no
751	4.31e-32	-2.01	ENSG00000136485	WDR68	chr17	+	59010430	59010541	no
751	4.31e-32	-4.25	ENSG00000136485	WDR68	chr17	+	59020094	59025373	no
752	4.57e-32	-9.8	ENSG00000198728	LDB1	chr10	-	103864153	103864693	yes,JnId_h_11011
752	4.57e-32	-3.24	ENSG00000169679	BUB1	chr2	-	111111883	111112208	no
754	5.61e-32	-3.17	ENSG00000139644	TEGT	chr12	+	48442923	48444984	no
755	5.85e-32	-2.06	ENSG00000117697	NSL1	chr1	-	210976921	210978651	no
755	5.85e-32	-4.87	ENSG00000117697	NSL1	chr1	-	210966118	210967144	no
756	7.03e-32	-2.6	ENSG00000187621	TCL1B	chr14	+	95228021	95228718	no
757	7.27e-32	-10.23	ENSG00000132313	MRPL35	chr2	+	86291114	86293480	no
758	7.34e-32	-2.61	ENSG00000166803	KIAA0101	chr15	-	62444266	62445327	yes,JnId_h_26850
759	8.02e-32	-2.08	ENSG0000012124	CD22	chr19	+	40514762	40514817	"yes,JnId_b_33657;JnId_b_33658"
760	9.55e-32	-4.78	ENSG00000131795	RBM8A	chr1	+	144220523	144224881	no
761	9.98e-32	-2.27	ENSG00000172725	PTPRCAP	chr11	-	66967451	66967531	no
762	1.01e-31	-2.44	ENSG00000162704	ARPC5	chr1	-	181861960	181863352	no
763	1.06e-31	-2.18	ENSG00000157954	WIPI2	chr7	+	5196361	5196650	no
763	1.06e-31	-5.89	ENSG00000157954	WIPI2	chr7	+	5236992	5240012	no
764	1.2e-31	-5.16	ENSG00000204371	EHMT2	chr6	-	31971157	31972272	no
764	1.2e-31	-2.02	ENSG00000204371	EHMT2	chr6	-	31964725	31964826	no
764	1.2e-31	-2.19	ENSG00000204371	EHMT2	chr6	-	31963333	31963415	no
765	1.21e-31	-5	ENSG00000182481	KPNA2	chr17	+	63470416	63470649	no
765	1.21e-31	-4.73	ENSG00000182481	KPNA2	chr17	+	63470899	63471081	no
765	1.21e-31	-10.51	ENSG00000182481	KPNA2	chr17	+	63472350	63472499	no
765	1.21e-31	-10.88	ENSG00000182481	KPNA2	chr17	+	63473082	63473431	no
766	1.30e-31	-2.06	ENSG00000069424	KCNAB2	chr1	+	6023164	6023292	yes,JnId_b_276
767	1.6e-31	-3.24	ENSG00000087502	ERGIC2	chr12	-	29381556	29385418	no

768	1.80e-31	-2	ENSG00000165458	INPPL1	chr11	+	71613473	71613858	no
768	1.80e-31	-2.12	ENSG00000165458	INPPL1	chr11	+	71618813	71618963	no
768	1.80e-31	-4.27	ENSG00000165458	INPPL1	chr11	+	71626955	71627797	no
769	1.93e-31	-5.2	ENSG00000167004	PDIA3	chr15	+	41850595	41851035	no
770	2.39e-31	-2.53	ENSG00000170606	HSPA4	chr5	+	132463136	132463243	no
770	2.39e-31	-5.73	ENSG00000170606	HSPA4	chr5	+	132465350	132465469	no
770	2.39e-31	-2.92	ENSG00000170606	HSPA4	chr5	+	132467456	132467617	no
770	2.39e-31	-5.23	ENSG00000170606	HSPA4	chr5	+	132467824	132468608	no
771	2.48e-31	-2.47	ENSG00000101608	Q53HL1	chr18	+	3237528 3237907	no	
772	2.56e-31	-2.03	ENSG00000033050	ABCF2	chr7	-	150547083	150547178	no
772	2.56e-31	-2.62	ENSG00000033050	ABCF2	chr7	-	150540510	150542210	no
773	2.84e-31	-2.85	ENSG00000143155	TIPRL	chr1	+	166435765	166437976	no
774	3.08e-31	-2.26	ENSG00000169299	PGM2	chr4	+	37528200	37528389	no
774	3.08e-31	-4.13	ENSG00000169299	PGM2	chr4	+	37539526	37540953	no
775	3.36e-31	-4.09	ENSG00000137776	SLTM	chr15	-	56958537	56959598	no
776	3.99e-31	-2.65	ENSG00000146094	DOK3	chr5	-	176869867	176869992	no
777	4.47e-31	-5.49	ENSG00000102225	PCTK1	chrX	+	46963031	46963448	yes,JnId_h_81024
777	4.47e-31	-5.4	ENSG00000102225	PCTK1	chrX	+	46973074	46974340	yes,JnId_b_64894
778	4.87e-31	-3.28	ENSG00000100911	PSME2	chr14	-	23685583	23686270	no
779	5.15e-31	-6.65	ENSG00000114209	PDCD10	chr3	-	168888097	168888175	no
779	5.15e-31	-7.56	ENSG00000114209	PDCD10	chr3	-	168887716	168887798	no
779	5.15e-31	-12.89	ENSG00000114209	PDCD10	chr3	-	168884391	168884871	no
780	6.66e-31	-4.31	ENSG00000094804	CDC6	chr17	+	35711690	35712939	no
781	9.24e-31	-3.77	ENSG00000089195	Q9Y2Z8	chr20	-	5869699 5870682	yes,JnId_h_50251	
781	9.24e-31	-4.36	ENSG00000089195	Q9Y2Z8	chr20	-	5866479 5867372	no	
782	1.02e-30	-3.06	ENSG00000157625	MAP3K7IP3	chrX	-	30771004	30774682	yes,JnId_b_64714
783	1.05e-30	-2.63	ENSG00000100101	NOL12	chr22	+	36412307	36412428	no
783	1.05e-30	-5.62	ENSG00000100101	NOL12	chr22	+	36417127	36419429	"yes,JnId_h_54396;JnId_h_54397;JnId_h_54397"
784	1.32e-30	-8.23	ENSG00000010256	UQCRC1	chr3	-	48621989	48622474	no
784	1.32e-30	-3	ENSG00000010256	UQCRC1	chr3	-	48611440	48611629	yes,JnId_b_45724
785	1.33e-30	-4.43	ENSG00000204463	BAT3	chr6	-	31728156	31728519	no
785	1.33e-30	-3.07	ENSG00000204463	BAT3	chr6	-	31715256	31715402	yes,JnId_h_67595
785	1.33e-30	-2.01	ENSG00000204463	BAT3	chr6	-	31714784	31714982	yes,JnId_h_67596
786	1.79e-30	-2.25	ENSG00000196305	IARS	chr9	-	94095544	94095803	yes,JnId_h_78127
786	1.79e-30	-6.02	ENSG00000196305	IARS	chr9	-	94051961	94052044	yes,JnId_b_62585
786	1.79e-30	-2.22	ENSG00000196305	IARS	chr9	-	94044257	94044433	yes,JnId_b_62585
786	1.79e-30	-2.96	ENSG00000196305	IARS	chr9	-	94012310	94012992	no
787	1.83e-30	-4.47	ENSG00000139168	ZCRB1	chr12	-	40992155	40993267	no
788	1.95e-30	-2.83	ENSG00000100813	ACIN1	chr14	-	22634024	22634663	no
788	1.95e-30	-3.1	ENSG00000100813	ACIN1	chr14	-	22629031	22629150	yes,JnId_h_23022
789	2.16e-30	-3.06	ENSG00000113161	HMGCR	chr5	+	74691869	74693685	no
790	2.18e-30	-2.79	ENSG00000006634	DBF4	chr7	+	87374439	87376792	yes,JnId_b_57848
791	2.41e-30	-2.07	ENSG00000132463	GRSF1	chr4	-	71904114	71905442	no
792	2.94e-30	-2.1	ENSG00000137815	RTF1	chr15	+	39544261	39544375	no
792	2.94e-30	-3.84	ENSG00000137815	RTF1	chr15	+	39560071	39563043	no
793	3.01e-30	-2.21	ENSG00000171566	PLRG1	chr4	-	155688313	155688455	no
793	3.01e-30	-10.56	ENSG00000171566	PLRG1	chr4	-	155675629	155677346	no
794	3.14e-30	-7.62	ENSG00000124535	WRNIP1	chr6	+	2730240 2731926	yes,JnId_h_66865	
795	3.84e-30	-4.3	ENSG00000111196	MGN2_HUMAN	chr12	-	10648061	10650240	no
796	3.9e-30 -3.98		ENSG00000164209	SLC25A46	chr5	+	110124803	110128760	no
797	4.2e-30 -2.82		ENSG00000124214	STAU1	chr20	-	47238060	47238311	no
797	4.2e-30 -4.23		ENSG00000124214	STAU1	chr20	-	47215941	47216229	yes,JnId_h_51651
797	4.2e-30 -2.01		ENSG00000124214	STAU1	chr20	-	47203877	47204015	no
798	4.33e-30	-4.33	ENSG00000183283	DAZAP2	chr12	+	49922381	49923835	no
799	4.47e-30	-4.29	ENSG00000188243	COMMD6	chr13	-	74998117	74998776	yes,JnId_h_22073
800	4.51e-30	-5.49	ENSG00000077238	IL4R	chr16	+	27259892	27260022	yes,JnId_h_29913
801	4.7e-30 -5.05		ENSG00000063177	RPL18	chr19	-	53814210	53814243	yes,JnId_h_43354
801	4.7e-30 -2.43		ENSG00000063177	RPL18	chr19	-	53810400	53810516	yes,JnId_h_43346
802	5.21e-30	-3.08	ENSG00000105281	SLC1A5	chr19	-	51969982	51970844	no
803	5.63e-30	-5.01	ENSG00000141380	SS18	chr18	-	21921463	21921539	no
803	5.63e-30	-4.6	ENSG00000141380	SS18	chr18	-	21850217	21852342	no
804	6.52e-30	-2.68	ENSG00000057608	GDI2	chr10	-	5847192 5848121	no	
805	8.97e-30	-3.24	ENSG00000185838	GNB1L	chr22	-	18150747	18156483	no
806	9.67e-30	-2.37	ENSG00000088038	CNOT3	chr19	+	59333261	59333521	no

806	9.67e-30	-4.92	ENSG00000088038	CNOT3	chr19	+	59349046	59349389	no
806	9.67e-30	-5.06	ENSG00000088038	CNOT3	chr19	+	59350859	59351239	no
807	1.05e-29	-2.39	ENSG00000116489	CAPZA1	chr1	+	112963306	112964028	no
808	1.1e-29	-3.67	ENSG00000137996	RTCD1	chr1	+	100504668	100505073	no
808	1.1e-29	-5.98	ENSG00000137996	RTCD1	chr1	+	100529547	100530913	no
809	1.38e-29	-3.6	ENSG00000175354	PTPN2	chr18	-	12782301	12784484	no
810	1.51e-29	-7.03	ENSG00000096060	FKBP5	chr6	-	35796083	35796303	no
810	1.51e-29	-2.32	ENSG00000096060	FKBP5	chr6	-	35662731	35662872	no
811	1.54e-29	-2.15	ENSG00000132676	DAP3	chr1	+	153965623	153965781	no
811	1.54e-29	-4.2	ENSG00000132676	DAP3	chr1	+	153974572	153975425	no
812	1.75e-29	-2.53	ENSG00000124207	CSE1L	chr20	+	47117134	47117224	no
812	1.75e-29	-2.94	ENSG00000124207	CSE1L	chr20	+	47120149	47120241	no
812	1.75e-29	-2.84	ENSG00000124207	CSE1L	chr20	+	47144084	47144230	no
812	1.75e-29	-4.09	ENSG00000124207	CSE1L	chr20	+	47146293	47146891	no
813	1.82e-29	-5.46	ENSG00000144895	EIF2A	chr3	+	151784323	151784717	no
814	2.79e-29	-3.45	ENSG00000136518	ACTL6A	chr3	+	180788412	180788886	no
815	3.12e-29	-7.56	ENSG00000128915	NARG2	chr15	-	58499100	58503253	no
816	3.13e-29	-4.35	ENSG00000139436	GIT2	chr12	-	108870254	108871034	yes,JnId_h_19865
817	3.43e-29	-5.14	ENSG00000116750	UCHL5	chr1	-	191254158	191254573	no
817	3.43e-29	-4.04	ENSG00000116750	UCHL5	chr1	-	191251512	191252148	no
818	3.57e-29	-3.81	ENSG00000141543	EIF4A3	chr17	-	75723614	75723900	no
819	3.73e-29	-6.42	ENSG00000127483	HP1BP3	chr1	-	20985266	20985720	yes,JnId_h_1230
819	3.73e-29	-2.09	ENSG00000127483	HP1BP3	chr1	-	20972527	20972996	no
820	3.87e-29	-3.28	ENSG00000143612	C1orf43	chr1	-	152450834	152451478	no
821	4.01e-29	-12.36	ENSG00000138032	PPM1B	chr2	+	44311056	44312115	yes,JnId_h_45510
821	4.01e-29	-9.99	ENSG00000138032	PPM1B	chr2	+	44312959	44315246	no
822	4.79e-29	-5.35	ENSG00000097033	SH3GLB1	chr1	+	86981399	86986451	no
823	5.6e-29	-3.73	ENSG00000110880	CORO1C	chr12	-	107649334	107649424	no
823	5.6e-29	-2.16	ENSG00000110880	CORO1C	chr12	-	107576643	107576824	no
823	5.6e-29	-5.72	ENSG00000110880	CORO1C	chr12	-	107563020	107565427	no
824	6.01e-29	-2.39	ENSG00000160211	G6PD	chrX	-	153414985	153415216	no
825	6.1e-29	-2.48	ENSG00000150593	PDCD4	chr10	+	112647776	112649754	no
826	6.11e-29	-3.36	ENSG00000056097	ZFR	chr5	-	32390214	32391802	no
827	6.69e-29	-6.07	ENSG00000130826	DKC1	chrX	+	153644229	153644450	no
827	6.69e-29	-3.55	ENSG00000130826	DKC1	chrX	+	153647376	153647467	no
827	6.69e-29	-5.92	ENSG00000130826	DKC1	chrX	+	153658268	153659158	no
828	6.89e-29	-2.03	ENSG00000118705	RPN2	chr20	+	35275577	35275682	yes,JnId_h_51110
828	6.89e-29	-2.44	ENSG00000118705	RPN2	chr20	+	35290367	35290561	yes,JnId_h_51114
828	6.89e-29	-3.52	ENSG00000118705	RPN2	chr20	+	35295837	35295912	"yes,JnId_h_51116;JnId_h_51119"
828	6.89e-29	-2.61	ENSG00000118705	RPN2	chr20	+	35298397	35298526	no
829	7.29e-29	-5.49	ENSG00000148334	PTGES2	chr9	-	129929539	129930562	no
829	7.29e-29	-2.55	ENSG00000148334	PTGES2	chr9	-	129922793	129923373	no
830	7.44e-29	-3.22	ENSG00000160014	Q96HY3	chr19	+	51796352	51796534	no
831	8.71e-29	-6.56	ENSG00000100897	WDR23	chr14	+	23653840	23654342	no
831	8.71e-29	-3.55	ENSG00000100897	WDR23	chr14	+	23662224	23664288	no
832	8.8e-29	-7.82	ENSG00000196085	C19orf42	chr19	-	16615954	16619072	yes,JnId_b_32931
833	1.05e-28	-2.82	ENSG00000198815	FOXJ3	chr1	-	42426995	42428067	no
834	1.07e-28	-4.26	ENSG00000161267	BDH1	chr3	-	198721051	198723632	no
835	1.11e-28	-5.47	ENSG00000171793	CTPS	chr1	+	41217594	41218088	yes,JnId_h_2556
835	1.11e-28	-2.58	ENSG00000171793	CTPS	chr1	+	41221420	41221715	yes,JnId_h_2556
835	1.11e-28	-2.5	ENSG00000171793	CTPS	chr1	+	41249917	41250822	no
836	1.22e-28	-5.01	ENSG00000129675	ARHGEF6	chrX	-	135690543	135691913	no
837	1.25e-28	-3.62	ENSG00000157483	MYO1E	chr15	-	57340911	57341000	no
837	1.25e-28	-2.29	ENSG00000157483	MYO1E	chr15	-	57293719	57293805	no
837	1.25e-28	-2.11	ENSG00000157483	MYO1E	chr15	-	57253237	57253406	no
837	1.25e-28	-2.11	ENSG00000157483	MYO1E	chr15	-	57242648	57242794	no
837	1.25e-28	-2.47	ENSG00000157483	MYO1E	chr15	-	57215461	57216947	no
838	1.39e-28	-3.2	ENSG00000149150	SLC43A1	chr11	-	57039493	57039735	no
838	1.39e-28	-2.78	ENSG00000149150	SLC43A1	chr11	-	57008586	57009291	no
839	1.48e-28	-9.62	ENSG00000159186	ATP5O	chr21	-	34209902	34210154	no
839	1.48e-28	-4.19	ENSG00000159186	ATP5O	chr21	-	34198109	34198195	yes,JnId_b_42184
839	1.48e-28	-4.5	ENSG00000159186	ATP5O	chr21	-	34197627	34197813	no
840	1.72e-28	-5.09	ENSG00000005812	FBXL3	chr13	-	76477388	76479924	no
841	1.79e-28	-10.73	ENSG00000112130	RNF8	chr6	+	37466496	37470491	no

842	1.93e-28	-2.03	ENSG00000085872	CHERP	chr19	-	16489710	16491163	no
843	2.04e-28	-2.32	ENSG00000204574	ABCF1	chr6	+	30666291	30667286	no
844	2.69e-28	-3.47	ENSG00000131242	RAB11FIP4	chr17	+	26882754	26889352	no
845	2.8e-28	-3.78	ENSG00000132383	RPA1	chr17	+	1747115	1749598	yes,JnId_h_32434
846	3.28e-28	-7.29	ENSG00000183955	SETD8	chr12	+	122434273	122434708	yes,JnId_h_20768
846	3.28e-28	-3.11	ENSG00000183955	SETD8	chr12	+	122439933	122440054	yes,JnId_h_20768
847	3.31e-28	-2.1	ENSG00000179950	Q9UJY7	chr8	-	144978471	144978578	"yes,JnId_h_76618;JnId_h_76617"
847	3.31e-28	-2.62	ENSG00000179950	Q9UJY7	chr8	-	144970537	144970977	yes,JnId_h_76606
848	3.36e-28	-9.35	ENSG00000060688	WDR57	chr1	-	31514592	31515100	no
848	3.36e-28	-5.41	ENSG00000060688	WDR57	chr1	-	31505004	31505555	no
849	4.01e-28	-2.32	ENSG00000108840	HDAC5	chr17	-	39513657	39513776	no
849	4.01e-28	-3.08	ENSG00000108840	HDAC5	chr17	-	39513001	39513119	no
850	4.03e-28	-4.58	ENSG00000159692	CTBP1	chr4	-	1232704	1232925	yes,JnId_h_60568
850	4.03e-28	-2.74	ENSG00000159692	CTBP1	chr4	-	1195228	1196214	yes,JnId_h_60558
851	4.33e-28	-4.46	ENSG00000163565	IFI16	chr1	+	157291235	157291569	no
852	4.49e-28	-2.96	ENSG00000160753	RUSC1	chr1	+	153560352	153561358	"yes,JnId_h_5808;JnId_h_5810"
853	4.98e-28	-7.12	ENSG00000162585	Clorf86	chr1	-	2105763	2106812	no
854	5.14e-28	-2.06	ENSG00000131051	RBM39	chr20	-	33756561	33756666	no
854	5.14e-28	-5.13	ENSG00000131051	RBM39	chr20	-	33754946	33755917	no
855	5.22e-28	-2.12	ENSG00000141646	SMAD4	chr18	+	46829054	46829228	no
855	5.22e-28	-2.77	ENSG00000141646	SMAD4	chr18	+	46858624	46860142	no
856	5.31e-28	-4.24	ENSG00000164548	Q549U1	chr7	-	23510928	23511713	no
857	5.65e-28	-3.12	ENSG00000176894	PGAM5	chr12	+	131797509	131797726	no
858	5.71e-28	-3.86	ENSG00000167634	NLRP7	chr19	-	60142068	60143646	no
859	6.64e-28	-3.2	ENSG00000141429	GALNT1	chr18	+	31488599	31488763	no
859	6.64e-28	-5.21	ENSG00000141429	GALNT1	chr18	+	31543586	31545792	no
860	6.88e-28	-2.13	ENSG00000109917	ZNF259	chr11	-	116163746	116163976	no
860	6.88e-28	-5.23	ENSG00000109917	ZNF259	chr11	-	116153646	116154985	no
861	7.1e-28	-2.35	ENSG00000168958	C2orf33	chr2	+	227920186	227920344	"yes,JnId_h_49419;JnId_h_49424;JnId_h_49421;JnId_h_49422"
861	7.1e-28	-3.26	ENSG00000168958	C2orf33	chr2	+	227929946	227930787	no
862	7.86e-28	-15.2	ENSG00000134371	CDC73	chr1	+	191486429	191489654	no
863	9.94e-28	-7.88	ENSG00000084623	EIF3S2	chr1	+	32460558	32460632	no
863	9.94e-28	-2.99	ENSG00000084623	EIF3S2	chr1	+	32469115	32469207	no
863	9.94e-28	-5.12	ENSG00000084623	EIF3S2	chr1	+	32469303	32469792	no
864	1.43e-27	-3.16	ENSG00000197329	PEL11	chr2	-	64188878	64189017	no
864	1.43e-27	-3.73	ENSG00000197329	PEL11	chr2	-	64173505	64175906	no
865	1.44e-27	-3.01	ENSG00000160999	no_name	chr7	+	101748486	101748817	yes,JnId_b_58462
866	1.45e-27	-3.17	ENSG00000068438	FTSJ1	chrX	+	48229068	48229696	no
867	1.48e-27	-3.11	ENSG00000187741	FANCA	chr16	-	88410446	88410566	no
867	1.48e-27	-2.41	ENSG00000187741	FANCA	chr16	-	88408429	88408522	no
867	1.48e-27	-2.75	ENSG00000187741	FANCA	chr16	-	88331460	88332617	no
868	1.69e-27	-12.46	ENSG00000109133	TMEM33	chr4	+	41641567	41641700	no
868	1.69e-27	-45.49	ENSG00000109133	TMEM33	chr4	+	41650844	41652588	no
869	1.70e-27	-3.36	ENSG00000187239	FNBP1	chr9	-	131697368	131698096	no
870	1.79e-27	-2.31	ENSG00000087087	Q7Z4Y3	chr7	+	100324031	100324221	yes,JnId_b_58389
871	2.10e-27	-3.59	ENSG00000116906	GNPAT	chr1	+	229479868	229480342	no
872	2.36e-27	-2.74	ENSG00000171130	ATP6V0E2	chr7	+	149200990	149202191	no
873	2.54e-27	-2.44	ENSG00000136877	FPGS	chr9	+	129604975	129605162	no
873	2.54e-27	-2.75	ENSG00000136877	FPGS	chr9	+	129615295	129616377	no
874	2.97e-27	-9.12	ENSG00000143418	LASS2	chr1	-	149213719	149214103	no
874	2.97e-27	-4.6	ENSG00000143418	LASS2	chr1	-	149204286	149205388	no
875	2.99e-27	-2.02	ENSG00000106009	C7orf27	chr7	-	2545946	2547212	yes,JnId_h_70961
876	3.31e-27	-2.96	ENSG00000108064	TFAM	chr10	+	59818436	59818585	no
876	3.31e-27	-5.13	ENSG00000108064	TFAM	chr10	+	59824694	59828987	no
877	3.32e-27	-2.14	ENSG00000182866	LCK	chr1	+	32512320	32512622	no
878	3.53e-27	-2.44	ENSG00000033170	FUT8	chr14	+	65278564	65279714	no
879	3.57e-27	-2.51	ENSG00000149480	MTA2	chr11	-	62117251	62118088	no
880	3.99e-27	-3.29	ENSG00000005893	LAMP2	chrX	-	119448709	119449345	no
881	4.01e-27	-3.08	ENSG00000198917	C9orf114	chr9	-	130621751	130624933	yes,JnId_h_79466
882	4.33e-27	-2.63	ENSG00000167578	MIA	chr19	+	45976011	45976136	no
882	4.33e-27	-9.3	ENSG00000167578	MIA	chr19	+	45976790	45977844	no
883	4.43e-27	-4.21	ENSG00000101224	CDC25B	chr20	+	3724401	3725378	yes,JnId_b_40312
883	4.43e-27	-2.12	ENSG00000101224	CDC25B	chr20	+	3729390	3729740	"yes,JnId_h_50180;JnId_h_50181"
884	5.16e-27	-3.73	ENSG00000160783	BGLAP	chr1	+	154470043	154470143	no

885	5.29e-27	-2.25	ENSG00000166012	SNORA25	chr11	-	93103017	93104030	yes,JnId_b_12019
886	5.31e-27	-4.42	ENSG00000129625	REEP5	chr5	-	112239983	112242431	no
887	6.31e-27	-2.11	ENSG00000075702	WDR62	chr19	+	41237623	41237890	no
888	6.37e-27	-4.02	ENSG00000067064	IDI1	chr10	-	1084804	1085110	no
889	6.52e-27	-3.75	ENSG00000156599	ZDHHC5	chr11	+	57192050	57192235	no
889	6.52e-27	-4.07	ENSG00000156599	ZDHHC5	chr11	+	57223914	57225235	no
890	6.56e-27	-4.8	ENSG00000169032	MAP2K1	chr15	+	64569894	64570935	no
891	6.72e-27	-4.75	ENSG00000170540	ARL6IP1	chr16	-	18710492	18712193	no
892	6.86e-27	-2.97	ENSG00000134987	WDR36	chr5	+	110490331	110494099	no
893	8.25e-27	-3.17	ENSG00000179115	FARSA	chr19	-	12894294	12894700	no
894	1.00e-26	-5.8	ENSG00000134644	PUM1	chr1	-	31311050	31311350	no
894	1.00e-26	-2.12	ENSG00000134644	PUM1	chr1	-	31240488	31240654	yes,JnId_h_1921
894	1.00e-26	-2.85	ENSG00000134644	PUM1	chr1	-	31186585	31186706	no
894	1.00e-26	-3.82	ENSG00000134644	PUM1	chr1	-	31176940	31178776	no
895	1.02e-26	-3.32	ENSG00000141141	DDX52	chr17	-	33046526	33048511	no
896	1.15e-26	-14.55	ENSG00000154582	TCEB1	chr8	-	75019928	75021609	no
897	1.26e-26	-4.79	ENSG00000023228	NDUFS1	chr2	-	206695783	206697245	no
898	1.38e-26	-2.48	ENSG00000101444	AHCY	chr20	-	32354710	32354811	yes,JnId_h_50786
899	1.38e-26	-3.14	ENSG00000140575	IQGAP1	chr15	+	88732477	88732632	no
899	1.38e-26	-2.58	ENSG00000140575	IQGAP1	chr15	+	88777955	88778031	no
899	1.38e-26	-2.19	ENSG00000140575	IQGAP1	chr15	+	88844231	88846479	no
900	1.42e-26	-2.4	ENSG00000065029	ZNF76	chr6	+	35370899	35371740	no
901	1.59e-26	-6.92	ENSG00000122873	ZCD1	chr10	+	59717327	59719352	no
902	1.69e-26	-4.02	ENSG00000189308	LIN54	chr4	-	84065167	84068480	no
903	1.75e-26	-5.14	ENSG00000111011	RSRC2	chr12	-	121555226	121556206	no
904	1.79e-26	-2.1	ENSG00000099817	POLR2E	chr19	-	1046258	1046314	no
904	1.79e-26	-3.9	ENSG00000099817	POLR2E	chr19	-	1039166	1039719	no
905	2.18e-26	-2.8	ENSG00000107036	KIAA1432	chr9	+	5758970	5759454	no
905	2.18e-26	-2.91	ENSG00000107036	KIAA1432	chr9	+	5762892	5763080	no
905	2.18e-26	-4.15	ENSG00000107036	KIAA1432	chr9	+	5763958	5766555	no
906	2.26e-26	-5.53	ENSG00000101310	SEC23B	chr20	+	18436188	18436674	yes,JnId_h_50410
906	2.26e-26	-2	ENSG00000101310	SEC23B	chr20	+	18459324	18459447	yes,JnId_h_50410
906	2.26e-26	-3.12	ENSG00000101310	SEC23B	chr20	+	18477253	18477414	yes,JnId_h_50410
906	2.26e-26	-8.19	ENSG00000101310	SEC23B	chr20	+	18489295	18490059	no
907	2.38e-26	-3.3	ENSG00000133895	MEN1	chr11	-	64333698	64334789	"yes,JnId_h_14157;JnId_h_14158;JnId_h_14158"
908	2.43e-26	-3.36	ENSG00000163806	PPP1CB	chr2	+	28875569	28879300	yes,JnId_h_45039
909	2.51e-26	-6.31	ENSG00000163444	TMEM183B	chr1	+	201258606	201260599	no
910	2.81e-26	-6.16	ENSG00000196233	LCOR	chr10	+	98704700	98714188	no
911	3.08e-26	-2.82	ENSG00000112146	FBXO9	chr6	+	53043730	53043904	no
911	3.08e-26	-2.81	ENSG00000112146	FBXO9	chr6	+	53065186	53065304	no
911	3.08e-26	-10.24	ENSG00000112146	FBXO9	chr6	+	53070479	53072360	no
912	3.38e-26	-2.22	ENSG00000127328	RAB3IP	chr12	+	68419455	68419916	yes,JnId_h_19041
912	3.38e-26	-2.24	ENSG00000127328	RAB3IP	chr12	+	68495411	68497421	no
913	4.12e-26	-2.37	ENSG00000145907	G3BP1	chr5	+	151150077	151150158	no
913	4.12e-26	-2.29	ENSG00000145907	G3BP1	chr5	+	151160514	151160623	yes,JnId_h_66025
913	4.12e-26	-4.22	ENSG00000145907	G3BP1	chr5	+	151163639	151165106	no
914	4.14e-26	-2.7	ENSG00000129680	MAP7D3	chrX	-	135126639	135128318	no
915	4.15e-26	-2.54	ENSG00000011485	PPP5C	chr19	+	51542134	51542314	no
915	4.15e-26	-2.7	ENSG00000011485	PPP5C	chr19	+	51585148	51585229	no
915	4.15e-26	-6.74	ENSG00000011485	PPP5C	chr19	+	51585381	51585943	no
916	4.43e-26	-6.05	ENSG00000071655	MBD3	chr19	-	1543521	1543710	yes,JnId_h_39455
916	4.43e-26	-3.65	ENSG00000071655	MBD3	chr19	-	1527678	1529537	yes,JnId_h_39449
917	4.46e-26	-5.24	ENSG00000106477	TSGA14	chr7	-	129846111	129849084	yes,JnId_h_73511
918	5.31e-26	-4.99	ENSG00000185624	P4HB	chr17	-	77411492	77411680	yes,JnId_h_37666
918	5.31e-26	-2.5	ENSG00000185624	P4HB	chr17	-	77397036	77397156	no
918	5.31e-26	-7.61	ENSG00000185624	P4HB	chr17	-	77394326	77395257	no
919	5.57e-26	-4.24	ENSG00000107566	CHUK	chr10	-	101935261	101939374	yes,JnId_h_10854
919	5.57e-26	-2.16	ENSG00000107566	CHUK	chr10	-	101899841	101902099	no
920	5.93e-26	-2.59	ENSG00000100644	HIF1A	chr14	+	61281176	61281284	no
920	5.93e-26	-4.86	ENSG00000100644	HIF1A	chr14	+	61283405	61284729	no
921	5.95e-26	-3.05	ENSG00000114861	FOXP1	chr3	-	71087426	71091232	no
922	6.42e-26	-5.71	ENSG00000171843	MLLT3	chr9	-	20612244	20612542	no
922	6.42e-26	-20.63	ENSG00000171843	MLLT3	chr9	-	20331663	20336572	yes,JnId_h_77122
923	6.54e-26	-3.21	ENSG00000100393	EP300	chr22	+	39817736	39819048	no

923	6.54e-26	-3.98	ENSG00000100393	EP300	chr22	+	39877783	39877962	no
924	6.68e-26	-2.03	ENSG00000099783	HNRPM	chr19	+	8415651 8415995	no	
925	7.59e-26	-4.77	ENSG00000101146	RAE1	chr20	+	55359535	55359885	yes,JnId_h_51780
925	7.59e-26	-2.76	ENSG00000101146	RAE1	chr20	+	55382126	55382201	no
925	7.59e-26	-9.79	ENSG00000101146	RAE1	chr20	+	55386476	55387618	yes,JnId_h_51791
926	8.87e-26	-2.48	ENSG00000084693	AGBL5	chr2	+	27133675	27133810	no
926	8.87e-26	-3.09	ENSG00000084693	AGBL5	chr2	+	27135562	27135776	no
927	1.10e-25	-2.71	ENSG00000143575	HAX1	chr1	+	152511611	152511876	no
928	1.16e-25	-3.48	ENSG00000127540	UQCR	chr19	-	1548180 1549214	no	
929	1.21e-25	-5.85	ENSG00000136240	KDELR2	chr7	-	6467933 6469331	no	
930	1.28e-25	-9.22	ENSG00000148690	C10orf4	chr10	-	95417630	95419615	no
931	1.46e-25	-3.53	ENSG00000149485	FADS1	chr11	-	61415217	61415582	yes,JnId_b_10325
931	1.46e-25	-3.07	ENSG00000149485	FADS1	chr11	-	61397575	61397913	no
932	1.50e-25	-12.6	ENSG00000070010	UFD1L	chr22	-	17817464	17818267	no
933	1.51e-25	-4.38	ENSG00000164252	AGGF1	chr5	+	76394633	76396815	no
934	1.59e-25	-4.49	ENSG00000100290	BIK	chr22	+	41855163	41855661	no
935	1.59e-25	-4.06	ENSG00000106415	GLCCI1	chr7	+	7974948 7975963	no	
935	1.59e-25	-2.35	ENSG00000106415	GLCCI1	chr7	+	8092348 8093493	yes,JnId_b_56855	
936	1.73e-25	-4.12	ENSG00000168090	COPS6	chr7	+	99524519	99524625	no
936	1.73e-25	-3.32	ENSG00000168090	COPS6	chr7	+	99527208	99527756	no
937	1.79e-25	-3.51	ENSG00000112851	ERBB2IP	chr5	+	65410007	65414133	no
938	1.82e-25	-6.47	ENSG00000121057	AKAP1	chr17	+	52517620	52517758	no
938	1.82e-25	-2.71	ENSG00000121057	AKAP1	chr17	+	52542385	52542518	no
938	1.82e-25	-8.4	ENSG00000121057	AKAP1	chr17	+	52552610	52553608	no
939	1.86e-25	-2.71	ENSG00000123575	CXorf39	chrX	+	103320945	103327239	no
940	1.97e-25	-4.36	ENSG00000100092	SH3BP1	chr22	+	36365003	36365799	no
940	1.97e-25	-2.27	ENSG00000100092	SH3BP1	chr22	+	36381225	36381995	no
941	1.99e-25	-5.36	ENSG00000110048	OSBP	chr11	-	59139352	59140193	no
941	1.99e-25	-4.16	ENSG00000110048	OSBP	chr11	-	59098447	59100768	no
942	2.07e-25	-4.65	ENSG00000121741	ZMYM2	chr13	+	19557962	19561253	no
943	2.15e-25	-3.96	ENSG00000134970	TICAM2	chr5	-	114942247	114944911	no
944	2.21e-25	-12.25	ENSG00000126247	CAPNS1	chr19	+	41322757	41322899	no
944	2.21e-25	-10.41	ENSG00000126247	CAPNS1	chr19	+	41323739	41323962	no
945	2.31e-25	-4.78	ENSG00000116478	HDAC1	chr1	+	32570278	32570430	no
945	2.31e-25	-4.92	ENSG00000116478	HDAC1	chr1	+	32571205	32571823	no
946	2.76e-25	-4.65	ENSG00000185920	PTCH1	chr9	-	97251944	97255723	yes,JnId_h_78246
946	2.76e-25	-2.31	ENSG00000185920	PTCH1	chr9	-	97245083	97248494	no
947	3.38e-25	-3.44	ENSG00000130770	ATPIF1	chr1	+	28436935	28437198	no
948	3.53e-25	-3.02	ENSG00000116133	DHCR24	chr1	-	55125150	55125493	no
948	3.53e-25	-3.02	ENSG00000116133	DHCR24	chr1	-	55087888	55090647	no
949	4.18e-25	-2.59	ENSG00000121579	NAT13	chr3	-	114920531	114923474	no
950	6.32e-25	-2.8	ENSG00000115839	RAB3GAP1	chr2	+	135604592	135604761	no
950	6.32e-25	-7.84	ENSG00000115839	RAB3GAP1	chr2	+	135635537	135636691	no
950	6.32e-25	-2.29	ENSG00000115839	RAB3GAP1	chr2	+	135642585	135644327	no
951	6.62e-25	-4.1	ENSG00000167468	GPX4	chr19	+	1054936 1055126	yes,JnId_h_39322	
952	8.4e-25	-2.12	ENSG00000070961	ATP2B1	chr12	-	88552686	88552811	no
952	8.4e-25	-6.37	ENSG00000070961	ATP2B1	chr12	-	88505959	88509203	no
953	8.66e-25	-7.31	ENSG00000100528	CNIH	chr14	-	53963397	53964309	no
954	8.72e-25	-3.77	ENSG00000157193	LRP8	chr1	-	53566049	53566409	no
954	8.72e-25	-3.34	ENSG00000157193	LRP8	chr1	-	53514952	53515338	yes,JnId_b_2699
954	8.72e-25	-2.78	ENSG00000157193	LRP8	chr1	-	53487640	53487816	yes,JnId_h_3356
954	8.72e-25	-2.85	ENSG00000157193	LRP8	chr1	-	53483800	53485316	yes,JnId_h_3356
955	8.8e-25	-16.16	ENSG00000164040	PGRMC2	chr4	-	129409861	129412018	no
956	8.96e-25	-4.87	ENSG00000142208	AKT1	chr14	-	104332866	104333125	no
956	8.96e-25	-2.21	ENSG00000142208	AKT1	chr14	-	104308127	104308229	no
956	8.96e-25	-3.34	ENSG00000142208	AKT1	chr14	-	104306734	104307802	no
957	1.01e-24	-4.33	ENSG00000130640	TUBGCP2	chr10	-	134953318	134954528	no
957	1.01e-24	-4.13	ENSG00000130640	TUBGCP2	chr10	-	134943125	134943395	no
958	1.12e-24	-4.88	ENSG00000115902	SLC1A4	chr2	+	65101550	65104501	no
959	1.24e-24	-3.44	ENSG00000130255	RPL36	chr19	+	5641272 5641338	"yes,JnId_h_40028;JnId_h_40029"	
960	1.39e-24	-3.85	ENSG00000164253	WDR41	chr5	-	76762514	76764868	no
961	1.51e-24	-2.51	ENSG00000206560	ANKRD28	chr3	-	15683747	15687067	no
962	1.96e-24	-2.66	ENSG00000120526	NUDCD1	chr8	-	110362373	110362577	no
962	1.96e-24	-8.88	ENSG00000120526	NUDCD1	chr8	-	110322325	110324706	no

963	1.97e-24	-2.22	ENSG00000131196	NFATC1	chr18	+	75347236	75347925	no
964	2.12e-24	-2.55	ENSG00000077152	UBE2T	chr1	-	200567408	200567711	no
965	2.26e-24	-3.44	ENSG00000151247	EIF4E	chr4	-	100069269	100070139	no
966	2.44e-24	-2.44	ENSG00000117394	SLC2A1	chr1	-	43168577	43169124	no
966	2.44e-24	-3.93	ENSG00000117394	SLC2A1	chr1	-	43164106	43165499	no
967	2.59e-24	-2.74	ENSG00000165934	CPSF2	chr14	+	91658082	91658225	no
967	2.59e-24	-5.05	ENSG00000165934	CPSF2	chr14	+	91670347	91670452	no
967	2.59e-24	-10.89	ENSG00000165934	CPSF2	chr14	+	91697749	91700296	no
968	2.81e-24	-12.58	ENSG00000156928	C7orf30	chr7	+	23315500	23317894	no
969	3.50e-24	-6.62	ENSG00000066044	ELAVL1	chr19	-	7933159	7934691	no
970	3.71e-24	-2.45	ENSG00000106829	TLE4	chr9	+	81376508	81377570	no
970	3.71e-24	-4.57	ENSG00000106829	TLE4	chr9	+	81432109	81432487	yes,JnId_h_77857
970	3.71e-24	-7.94	ENSG00000106829	TLE4	chr9	+	81529772	81531478	yes,JnId_h_77872
971	4.03e-24	-2.53	ENSG00000164917	A4D1Z4	chr7	+	4796371	4796748	no
971	4.03e-24	-3.65	ENSG00000164917	A4D1Z4	chr7	+	4797272	4800552	no
972	4.54e-24	-4.92	ENSG00000117597	C1orf107	chr1	+	208091172	208097533	yes,JnId_h_7412
973	4.78e-24	-4.62	ENSG00000134242	PTPN22	chr1	-	114157956	114159114	no
974	5.39e-24	-8.36	ENSG00000116497	S100PBP	chr1	+	33094112	33097063	no
975	5.43e-24	-2.33	ENSG00000087274	ADD1	chr4	+	2856040	2856191	yes,JnId_h_60710
976	5.51e-24	-3.94	ENSG00000173744	HRB	chr2	+	228127396	228130548	no
977	5.79e-24	-5.09	ENSG00000100083	GGA1	chr22	+	36334449	36334856	no
977	5.79e-24	-2.96	ENSG00000100083	GGA1	chr22	+	36358554	36359518	no
978	5.83e-24	-6.38	ENSG00000120265	PCMT1	chr6	+	150173445	150174249	no
979	6.14e-24	-2.35	ENSG00000120438	TCP1	chr6	-	160120917	160121109	no
979	6.14e-24	-2.5	ENSG00000120438	TCP1	chr6	-	160120649	160120812	no
979	6.14e-24	-10.11	ENSG00000120438	TCP1	chr6	-	160119520	160120283	no
980	7.47e-24	-2.53	ENSG00000155621	C9orf85	chr9	+	73787393	73790790	no
981	7.56e-24	-2.13	ENSG00000116679	IVNS1ABP	chr1	-	183537189	183537318	no
981	7.56e-24	-3.78	ENSG00000116679	IVNS1ABP	chr1	-	183532143	183534043	no
982	7.61e-24	-2.67	ENSG00000124789	NUP153	chr6	-	17756017	17756115	no
982	7.61e-24	-2.72	ENSG00000124789	NUP153	chr6	-	17754277	17754364	no
982	7.61e-24	-3.64	ENSG00000124789	NUP153	chr6	-	17723248	17724391	no
983	7.81e-24	-2.25	ENSG00000196182	STK40	chr1	-	36623911	36624084	"yes,JnId_h_2297;JnId_h_2298"
983	7.81e-24	-4.37	ENSG00000196182	STK40	chr1	-	36606036	36606272	"yes,JnId_h_2296;JnId_h_2297"
984	7.83e-24	-2.83	ENSG00000060237	WNK1	chr12	+	793069	793241	no
984	7.83e-24	-5.97	ENSG00000060237	WNK1	chr12	+	859000	859458	"yes,JnId_h_16680;JnId_h_16681"
984	7.83e-24	-3.99	ENSG00000060237	WNK1	chr12	+	862370	862486	no
985	8.05e-24	-5.28	ENSG00000161692	DBF4B	chr17	+	40183489	40185157	no
986	8.22e-24	-4.62	ENSG00000198060	MARCH5	chr10	+	94100828	94103701	no
987	1.01e-23	-24.97	ENSG00000198830	HMG2	chr1	+	26674191	26675048	no
988	1.09e-23	-5.78	ENSG00000114942	EEF1B2	chr2	+	206732579	206732653	no
988	1.09e-23	-4.72	ENSG00000204316	MRPL38	chr17	-	71412485	71413069	no
990	1.27e-23	-2.1	ENSG00000196498	NCOR2	chr12	-	123523451	123523630	no
990	1.27e-23	-2.13	ENSG00000196498	NCOR2	chr12	-	123470456	123470554	no
990	1.27e-23	-4.79	ENSG00000196498	NCOR2	chr12	-	123377908	123378132	yes,JnId_h_20846
990	1.27e-23	-3.08	ENSG00000196498	NCOR2	chr12	-	123374915	123376082	no
991	1.27e-23	-2.01	ENSG00000197343	ZNF655	chr7	+	99007804	99012008	no
992	1.69e-23	-3.45	ENSG00000173846	PLK3	chr1	+	45043746	45049479	no
993	1.70e-23	-2.32	ENSG00000197746	PSAP	chr10	-	73280945	73281132	no
994	1.71e-23	-2.4	ENSG00000108039	XPNPEP1	chr10	-	111625276	111625416	yes,JnId_b_8372
994	1.71e-23	-2.04	ENSG00000108039	XPNPEP1	chr10	-	111614514	111615060	no
995	1.76e-23	-2.21	ENSG00000061794	MRPS35	chr12	+	27799381	27800494	no
996	1.77e-23	-4.59	ENSG00000104880	ARHGEF18	chr19	+	7410574	7411368	no
997	2.01e-23	-3.27	ENSG00000106263	EIF3S9	chr7	+	2384850	2384927	yes,JnId_h_70952
997	2.01e-23	-2.63	ENSG00000106263	EIF3S9	chr7	+	2386365	2386904	yes,JnId_h_70956
998	2.01e-23	-4.09	ENSG00000159217	IGF2BP1	chr17	+	44481713	44488506	no
999	2.08e-23	-7.02	ENSG00000117133	BXDC5	chr1	+	84721186	84721601	yes,JnId_h_4026
999	2.08e-23	-11.26	ENSG00000117133	BXDC5	chr1	+	84735700	84736061	no
1000	2.15e-23	-2.01	ENSG00000088205	DDX18	chr2	+	118303335	118303512	no
1000	2.15e-23	-3.2	ENSG00000088205	DDX18	chr2	+	118304628	118306425	no
1001	2.20e-23	-16.49	ENSG00000165672	PRDX3	chr10	-	120917205	120918035	no
1002	2.25e-23	-2.1	ENSG00000089006	SNX5	chr20	-	17897343	17897623	yes,JnId_h_50384
1002	2.25e-23	-2.5	ENSG00000089006	SNX5	chr20	-	17897018	17897241	yes,JnId_h_50381
1002	2.25e-23	-3.49	ENSG00000089006	SNX5	chr20	-	17870241	17871051	no

1003	2.83e-23	-2.44	ENSG00000083454	P2RX5	chr17	-	3545912	3546398	no	
1004	3.17e-23	-10.02	ENSG00000114446	IFT57	chr3	-	109362350	109364192	no	
1005	3.36e-23	-3.6	ENSG00000100226	GTPBP1	chr22	+	37431753	37432098	yes	,JnId_b_43796
1006	3.43e-23	-2.28	ENSG00000185122	HSF1	chr8	+	145508596	145509187	no	
1007	3.47e-23	-2.31	ENSG00000169375	SIN3A	chr15	-	73474074	73474257	no	
1008	3.62e-23	-9.29	ENSG00000121486	C1orf25	chr1	-	183387580	183388839	no	
1008	3.62e-23	-7.25	ENSG00000121486	C1orf25	chr1	-	183353853	183356026	no	
1009	4.05e-23	-2.17	ENSG00000136715	SAP130	chr2	-	128501984	128502103	no	
1009	4.05e-23	-4.81	ENSG00000136715	SAP130	chr2	-	128415267	128416208	no	
1010	4.45e-23	-7.66	ENSG00000198363	ASPH	chr8	-	62699649	62701393	"yes	,JnId_h_75424;JnId_h_75425;JnId_h_75427"
1011	4.74e-23	-5.05	ENSG00000129460	NGDN	chr14	+	23016552	23017853	yes	,JnId_h_23053
1012	4.83e-23	-7.75	ENSG00000120694	HSPH1	chr13	-	30608765	30609661	no	
1013	5.11e-23	-2.08	ENSG00000148719	DNAJB12	chr10	-	73762594	73765695	"yes	,JnId_h_9894;JnId_h_9895;JnId_h_9895"
1014	6.32e-23	-6.94	ENSG00000132963	POMP	chr13	+	28150172	28151062	no	
1015	6.42e-23	-6.63	ENSG00000123143	PKN1	chr19	+	14405135	14405354	no	
1015	6.42e-23	-2.14	ENSG00000123143	PKN1	chr19	+	14423641	14423835	no	
1015	6.42e-23	-2.35	ENSG00000123143	PKN1	chr19	+	14439530	14439605	no	
1015	6.42e-23	-5.37	ENSG00000123143	PKN1	chr19	+	14443393	14443678	no	
1016	6.68e-23	-6.22	ENSG00000066136	NFYC	chr1	+	40991410	40991505	no	
1016	6.68e-23	-4.66	ENSG00000066136	NFYC	chr1	+	41008656	41009864	yes	,JnId_h_2551
1017	6.69e-23	-3.87	ENSG00000125304	TM9SF2	chr13	+	99012946	99013644	no	
1018	7.45e-23	-4.25	ENSG00000196363	WDR5	chr9	+	136012836	136014914	no	
1019	7.58e-23	-3.01	ENSG00000119953	SMNDC1	chr10	-	112042788	112044035	no	
1020	9.06e-23	-5.99	ENSG00000143190	POU2F1	chr1	+	165651361	165663206	no	
1021	1.06e-22	-3.1	ENSG00000113758	DBN1	chr5	-	176816220	176817110	no	
1022	1.17e-22	-6.47	ENSG00000166295	C10orf104	chr10	+	73662765	73665622	no	
1023	1.27e-22	-3.72	ENSG00000123374	CDK2	chr12	+	54651572	54652832	no	
1024	1.59e-22	-2.01	ENSG00000123213	NLN	chr5	+	65119701	65120067	no	
1024	1.59e-22	-3.63	ENSG00000123213	NLN	chr5	+	65154365	65160867	no	
1025	2.10e-22	-17.21	ENSG00000120913	PDLIM2	chr8	+	22507191	22507746	yes	,JnId_b_59787
1026	2.43e-22	-2.83	ENSG00000075218	GTSE1	chr22	+	45103249	45103450	no	
1026	2.43e-22	-2.54	ENSG00000075218	GTSE1	chr22	+	45103919	45104128	no	
1026	2.43e-22	-3.42	ENSG00000075218	GTSE1	chr22	+	45104608	45106293	no	
1026	2.43e-22	-4.4	ENSG00000075218	GTSE1	chr22	+	45107643	45108257	no	
1027	2.46e-22	-2.04	ENSG00000143106	PSMA5	chr1	-	109766005	109766071	no	
1027	2.46e-22	-4.76	ENSG00000143106	PSMA5	chr1	-	109745997	109746235	yes	,JnId_h_4551
1028	2.63e-22	-4.87	ENSG00000143390	RFX5	chr1	-	149586311	149586457	no	
1028	2.63e-22	-2.37	ENSG00000143390	RFX5	chr1	-	149585582	149585706	no	
1029	3.07e-22	-2.72	ENSG00000096063	SRPK1	chr6	-	35996223	35996942	yes	,JnId_b_54621
1030	3.37e-22	-3.96	ENSG00000159069	FBXW5	chr9	-	138954709	138955444	no	
1031	3.67e-22	-9.26	ENSG00000125741	OPA3	chr19	-	50722525	50724554	no	
1032	3.79e-22	-2.68	ENSG00000065526	SPEN	chr1	+	16118008	16118133	no	
1033	3.81e-22	-2.62	ENSG00000173575	CHD2	chr15	+	91364246	91366396	no	
1034	3.84e-22	-2.37	ENSG00000186298	PPP1CC	chr12	-	109646848	109646952	no	
1035	3.89e-22	-10.41	ENSG00000127314	RAP1B	chr12	+	67339327	67340641	no	
1036	3.90e-22	-3.37	ENSG00000139737	SLAIN1	chr13	+	77215151	77215301	yes	,JnId_h_22185
1036	3.90e-22	-2.53	ENSG00000139737	SLAIN1	chr13	+	77235281	77236363	no	
1037	4.14e-22	-16.77	ENSG00000198408	MGEA5	chr10	-	103546793	103547901	no	
1037	4.14e-22	-2.97	ENSG00000198408	MGEA5	chr10	-	103537111	103537270	no	
1037	4.14e-22	-8.71	ENSG00000198408	MGEA5	chr10	-	103534199	103536334	no	
1038	4.4e-22	-4.35	ENSG00000167513	CDT1	chr16	+	87402024	87403166	no	
1039	4.59e-22	-3.53	ENSG00000136811	ODF2	chr9	+	130258157	130258355	yes	,JnId_h_79304
1039	4.59e-22	-4.42	ENSG00000136811	ODF2	chr9	+	130259298	130259537	yes	,JnId_h_79304
1039	4.59e-22	-2.72	ENSG00000136811	ODF2	chr9	+	130302167	130303060	no	
1040	4.84e-22	-2.69	ENSG00000077232	DNAJC10	chr2	+	183313271	183313360	yes	,JnId_h_48371
1040	4.84e-22	-2.95	ENSG00000077232	DNAJC10	chr2	+	183350093	183351733	no	
1041	5.25e-22	-4.62	ENSG00000086232	EIF2AK1	chr7	-	6052228	6052308	no	
1041	5.25e-22	-2.39	ENSG00000086232	EIF2AK1	chr7	-	6028406	6030958	yes	,JnId_b_56784
1042	5.83e-22	-10.47	ENSG00000146109	ABT1	chr6	+	26706472	26708257	no	
1043	5.99e-22	-3.29	ENSG00000114346	ECT2	chr3	+	174020632	174021957	no	
1044	6.32e-22	-3.17	ENSG00000107758	PPP3CB	chr10	-	74873544	74874586	no	
1044	6.32e-22	-2.47	ENSG00000107758	PPP3CB	chr10	-	74866192	74868184	no	
1045	6.34e-22	-5.29	ENSG00000132718	SYT11	chr1	+	154117613	154121614	no	
1046	6.56e-22	-4.09	ENSG00000102158	Q96SP2	chrX	-	76968517	76971388	"yes	,JnId_h_81869;JnId_h_81870;JnId_h_81870"

1047	6.77e-22	-3.9	ENSG00000158769	F11R	chr1	-	159231625	159235320	no
1048	6.84e-22	-4.44	ENSG00000175467	SART1	chr11	+	65491726	65491868	no
1049	7.42e-22	-4.8	ENSG00000156858	PRR14	chr16	+	30569724	30569949	yes,JnId_h_30254
1049	7.42e-22	-3.38	ENSG00000156858	PRR14	chr16	+	30574854	30575234	no
1050	7.63e-22	-5.07	ENSG00000139218	SFRS2IP	chr12	-	44601459	44602244	no
1051	7.79e-22	-3.3	ENSG00000186716	BCR	chr22	+	21964728	21964825	yes,JnId_h_53629
1051	7.79e-22	-3.39	ENSG00000186716	BCR	chr22	+	21986739	21986901	no
1051	7.79e-22	-4.27	ENSG00000186716	BCR	chr22	+	21987620	21990224	no
1052	7.88e-22	-2	ENSG00000105676	ARMC6	chr19	+	19005538	19005739	yes,JnId_h_41687
1052	7.88e-22	-2.94	ENSG00000105676	ARMC6	chr19	+	19005940	19006047	"yes,JnId_h_41687;JnId_h_41689"
1053	8.34e-22	-2.86	ENSG00000005059	CCDC109B	chr4	+	110804895	110804999	no
1053	8.34e-22	-10.3	ENSG00000005059	CCDC109B	chr4	+	110828120	110829312	no
1054	8.76e-22	-5.7	ENSG00000100968	NFATC4	chr14	+	23916684	23918645	no
1055	9.18e-22	-3.97	ENSG00000120727	PAIP2	chr5	+	138732321	138733307	no
1056	9.24e-22	-11.47	ENSG00000180198	RCC1	chr1	+	28717235	28717407	yes,JnId_h_1785
1057	1.03e-21	-2.16	ENSG00000101972	STAG2	chrX	+	122992492	122992656	yes,JnId_b_65776
1057	1.03e-21	-3.89	ENSG00000101972	STAG2	chrX	+	123062105	123064187	no
1058	1.13e-21	-2.33	ENSG00000100060	MFNG	chr22	-	36195054	36196013	yes,JnId_b_43638
1059	1.16e-21	-3.75	ENSG00000197006	METTL9	chr16	+	21574049	21576292	no
1060	1.16e-21	-2.68	ENSG00000163131	CTSS	chr1	-	149004798	149005057	no
1060	1.16e-21	-5.28	ENSG00000163131	CTSS	chr1	-	148969296	148972245	no
1061	1.21e-21	-3.83	ENSG00000090273	NUDC	chr1	+	27145208	27145940	no
1062	1.24e-21	-2.27	ENSG00000119487	MAPKAP1	chr9	-	127239494	127241112	no
1063	1.24e-21	-2.56	ENSG00000082898	XPO1	chr2	-	61603250	61603322	yes,JnId_h_45930
1063	1.24e-21	-2.3	ENSG00000082898	XPO1	chr2	-	61558573	61559605	no
1064	1.25e-21	-2.58	ENSG00000204276	HLA-DQA2	chr6	+	32820914	32821162	no
1065	1.35e-21	-5.77	ENSG00000106028	SSBP1	chr7	+	141096580	141096725	no
1065	1.35e-21	-3.61	ENSG00000131503	ANKHD1	chr5	+	139899128	139899621	yes,JnId_h_65593
1065	1.35e-21	-2.09	ENSG00000131503	ANKHD1	chr5	+	139909003	139909347	no
1067	1.43e-21	-2.6	ENSG00000120899	PTK2B	chr8	+	27238971	27239115	no
1068	1.48e-21	-3.18	ENSG00000143614	GATAD2B	chr1	-	152161833	152162075	no
1068	1.48e-21	-3.49	ENSG00000143614	GATAD2B	chr1	-	152043825	152049410	no
1069	1.55e-21	-3.31	ENSG00000100462	PRMT5	chr14	-	22459579	22460105	no
1070	1.56e-21	-2.06	ENSG00000204261	PSMB9	chr6	+	32935160	32935606	no
1071	1.59e-21	-11.41	ENSG00000116752	BCAS2	chr1	-	114911701	114912400	no
1072	1.64e-21	-2.38	ENSG00000143033	MTF2	chr1	+	93348690	93348775	no
1072	1.64e-21	-3.46	ENSG00000143033	MTF2	chr1	+	93374815	93377226	no
1073	1.99e-21	-5.92	ENSG00000162664	ZNF326	chr1	+	90243280	90244594	no
1073	1.99e-21	-4.6	ENSG00000162664	ZNF326	chr1	+	90265501	90266682	no
1074	2.01e-21	-3.32	ENSG00000130520	LSM4	chr19	-	18294828	18294958	no
1075	2.05e-21	-2.42	ENSG00000183207	RUVBL2	chr19	+	54210090	54210219	no
1075	2.05e-21	-4.82	ENSG00000183207	RUVBL2	chr19	+	54210641	54210755	no
1075	2.05e-21	-3.69	ENSG00000183207	RUVBL2	chr19	+	54210886	54210952	no
1076	2.17e-21	-6.41	ENSG00000152127	MGAT5	chr2	+	134725638	134728685	yes,JnId_b_38415
1077	2.17e-21	-3.32	ENSG00000143476	DTL	chr1	+	210342807	210344971	no
1078	2.46e-21	-2.03	ENSG00000136824	SMC2	chr9	+	105928743	105928886	no
1078	2.46e-21	-2.27	ENSG00000136824	SMC2	chr9	+	105934111	105934227	no
1078	2.46e-21	-3.01	ENSG00000136824	SMC2	chr9	+	105941241	105943519	no
1079	2.47e-21	-2.45	ENSG00000100890	KIAA0391	chr14	+	34813569	34816571	no
1080	3,00E-21	-6.42	ENSG00000172922	RNASEH2C	chr11	-	65241746	65243856	no
1081	3.43e-21	-2.31	ENSG00000132466	ANKRD17	chr4	-	74238461	74238694	no
1081	3.43e-21	-2.03	ENSG00000132466	ANKRD17	chr4	-	74224112	74224864	yes,JnId_h_61662
1081	3.43e-21	-4.42	ENSG00000132466	ANKRD17	chr4	-	74159369	74160871	no
1082	3.57e-21	-2.63	ENSG00000005302	MSL3L1	chrX	+	11703020	11703791	no
1083	3.61e-21	-4.61	ENSG00000167815	PRDX2	chr19	-	12773554	12773694	no
1084	3.87e-21	-3.86	ENSG00000102974	CTCF	chr16	+	66153965	66154128	no
1084	3.87e-21	-2.07	ENSG00000102974	CTCF	chr16	+	66162552	66162668	no
1084	3.87e-21	-2.37	ENSG00000102974	CTCF	chr16	+	66229092	66230584	yes,JnId_h_31139
1085	4.13e-21	-3.93	ENSG00000088930	XRN2	chr20	+	21317911	21318463	no
1086	4.33e-21	-2.16	ENSG00000146909	NOM1	chr7	+	156454984	156458634	no
1087	4.54e-21	-2.29	ENSG00000071794	HLTF	chr3	-	150246557	150246736	no
1087	4.54e-21	-3.59	ENSG00000071794	HLTF	chr3	-	150230604	150232849	no
1088	4.57e-21	-3.65	ENSG00000164615	CAMLG	chr5	+	134114348	134115740	no
1089	4.8e-21 -2		ENSG00000111642	CHD4	chr12	-	6581803	6581924	no

1090	4.87e-21	-9.27	ENSG00000160310	PRMT2	chr21	+	46908635	46909280	no	
1091	4.98e-21	-10.86	ENSG00000164022	SCYE1	chr4	+	107456302	107456950	no	
1091	4.98e-21	-7.47	ENSG00000164022	SCYE1	chr4	+	107488132	107489097	no	
1092	5.17e-21	-2.23	ENSG00000145495	MARCH6	chr5	+	10458670	10458789	yes	JnId_b_50774
1092	5.17e-21	-2.78	ENSG00000145495	MARCH6	chr5	+	10486706	10488491	yes	JnId_h_63483
1093	5.4e-21	-2.38	ENSG00000100614	PPM1A	chr14	+	59822095	59823180	no	
1094	5.7e-21	-3.1	ENSG00000182022	ST4S6_HUMAN	chr10	-	125795173	125796230	no	
1094	5.7e-21	-7.15	ENSG00000182022	ST4S6_HUMAN	chr10	-	125757174	125759845	no	
1095	5.75e-21	-3.23	ENSG00000141367	CLTC	chr17	+	55106844	55106986	no	
1095	5.75e-21	-2.36	ENSG00000141367	CLTC	chr17	+	55125871	55127254	no	
1096	5.89e-21	-2.36	ENSG00000159461	AMFR	chr16	-	55005665	55005757	no	
1096	5.89e-21	-3.06	ENSG00000159461	AMFR	chr16	-	54952865	54954469	no	
1097	6.17e-21	-3.28	ENSG00000100365	NCF4	chr22	+	35603616	35604003	no	
1098	6.36e-21	-3.42	ENSG00000212130	TWF2	chr3	-	52248048	52248223	no	
1098	6.36e-21	-4.26	ENSG00000212130	TWF2	chr3	-	52237670	52238257	no	
1099	6.4e-21	-5.64	ENSG00000198904	APOBEC3D	chr22	+	37740208	37740330	yes	JnId_b_43836
1100	7.99e-21	-2.12	ENSG00000076108	BAZ2A	chr12	-	55285881	55286114	no	
1100	7.99e-21	-2.2	ENSG00000076108	BAZ2A	chr12	-	55280732	55280883	yes	JnId_b_14447
1101	7.99e-21	-4.6	ENSG00000170619	COMM5	chr8	-	146036633	146037932	no	
1102	9.35e-21	-4.8	ENSG00000160916	ATP5J2	chr7	-	98893721	98893914	yes	JnId_b_58142
1103	1.13e-20	-2.66	ENSG00000177565	TBL1XR1	chr3	-	178251986	178252208	no	
1103	1.13e-20	-4.05	ENSG00000177565	TBL1XR1	chr3	-	178221867	178226006	no	
1104	1.16e-20	-3.2	ENSG00000117724	CENPF	chr1	+	212903557	212904554	no	
1105	1.41e-20	-2.51	ENSG00000198612	COPS8	chr2	+	237658823	237659424	no	
1106	1.45e-20	-9.31	ENSG00000105793	GTPBP10	chr7	+	89852142	89858255	no	
1107	1.48e-20	-2.62	ENSG00000136875	PRPF4	chr9	+	115093568	115095287	no	
1108	1.52e-20	-11.26	ENSG00000114902	SPCS1	chr3	+	52716743	52717249	no	
1109	1.61e-20	-2.28	ENSG00000100473	COCH	chr14	+	30428573	30429573	no	
1110	1.82e-20	-5.28	ENSG00000132680	KIAA0907	chr1	-	154153040	154153152	yes	JnId_h_5902
1110	1.82e-20	-14.53	ENSG00000132680	KIAA0907	chr1	-	154149458	154152379	"yes	JnId_b_4365;JnId_b_4367"
1111	1.83e-20	-2.36	ENSG00000145494	NDUFS6	chr5	+	1868965	1869168	no	
1112	1.92e-20	-3.21	ENSG00000143437	ARNT	chr1	-	149048810	149051210	no	
1113	1.92e-20	-3.44	ENSG00000109790	KLHL5	chr4	+	38740455	38741050	no	
1113	1.92e-20	-4.27	ENSG00000109790	KLHL5	chr4	+	38793174	38794347	no	
1113	1.92e-20	-3.3	ENSG00000109790	KLHL5	chr4	+	38799025	38800224	no	
1114	1.92e-20	-4.13	ENSG00000169764	UGP2	chr2	+	63922518	63922842	no	
1115	2.03e-20	-3.56	ENSG00000109971	HSPA8	chr11	-	122437982	122438054	no	
1115	2.03e-20	-2.73	ENSG00000109971	HSPA8	chr11	-	122433411	122433837	no	
1116	2.08e-20	-9.4	ENSG00000171940	ZNF217	chr20	-	51617011	51619210	no	
1117	2.16e-20	-3.11	ENSG00000106771	C9orf5	chr9	-	110921436	110922046	no	
1117	2.16e-20	-6.15	ENSG00000106771	C9orf5	chr9	-	110817244	110822606	no	
1118	2.37e-20	-2.2	ENSG00000081189	MEF2C	chr5	-	88051922	88054498	no	
1119	2.41e-20	-5.72	ENSG00000064490	RFXANK	chr19	+	19169916	19170041	no	
1119	2.41e-20	-2.26	ENSG00000064490	RFXANK	chr19	+	19173458	19173678	no	
1120	2.41e-20	-4.52	ENSG00000121481	RNF2	chr1	+	183335955	183338363	no	
1121	2.6e-20	-3.66	ENSG00000169727	GPS1	chr17	+	77603424	77603624	yes	JnId_h_37762
1122	2.94e-20	-4.96	ENSG00000125772	Q5QPF0	chr20	-	5512927	5514683	yes	JnId_h_50247
1123	3.28e-20	-4.4	ENSG00000182831	C16orf72	chr16	+	9118026	9121037	no	
1124	3.52e-20	-2.3	ENSG00000153560	UBP1	chr3	-	33425186	33425293	yes	JnId_h_56162
1125	3.66e-20	-4.26	ENSG00000080845	DLGAP4	chr20	+	34523556	34524416	no	
1125	3.66e-20	-2.6	ENSG00000080845	DLGAP4	chr20	+	34588630	34590454	no	
1126	3.74e-20	-5.84	ENSG00000137478	FCHSD2	chr11	-	72225460	72227567	no	
1127	3.75e-20	-4.56	ENSG00000123992	DNPEP	chr2	-	219960542	219960981	no	
1127	3.75e-20	-3.4	ENSG00000123992	DNPEP	chr2	-	219946512	219947308	no	
1128	3.78e-20	-2.28	ENSG00000130402	ACTN4	chr19	+	43830167	43830387	no	
1128	3.78e-20	-2.58	ENSG00000130402	ACTN4	chr19	+	43911754	43913010	no	
1129	3.88e-20	-2.05	ENSG00000138095	LRPPRC	chr2	-	44062881	44063077	no	
1129	3.88e-20	-3.18	ENSG00000138095	LRPPRC	chr2	-	44056786	44056872	no	
1129	3.88e-20	-3.48	ENSG00000138095	LRPPRC	chr2	-	44055257	44055401	no	
1129	3.88e-20	-2.59	ENSG00000138095	LRPPRC	chr2	-	44028765	44028842	no	
1129	3.88e-20	-3.32	ENSG00000138095	LRPPRC	chr2	-	43980109	43980248	no	
1129	3.88e-20	-5.48	ENSG00000138095	LRPPRC	chr2	-	43968391	43969299	no	
1130	4.22e-20	-2.28	ENSG00000134283	PPHLN1	chr12	+	41121384	41122016	no	
1131	4.31e-20	-4.65	ENSG00000134375	TIMM17A	chr1	+	200205220	200206412	no	

1132	4.32e-20	-8.67	ENSG00000117318	ID3	chr1	-	23756996	23757493	no
1133	4.87e-20	-9.29	ENSG00000100865	Q86TU0	chr14	-	101879116	101880479	no
1134	5.01e-20	-3.09	ENSG00000185721	DRG1	chr22	+	30159858	30160438	no
1135	5.24e-20	-8.07	ENSG00000155016	CYP2U1	chr4	+	109090850	109094060	no
1136	5.69e-20	-3.86	ENSG00000112697	TMEM30A	chr6	-	76019360	76022731	no
1137	5.88e-20	-2.18	ENSG00000205531	NAP1L4	chr11	-	2970060	2970183	no
1138	7.92e-20	-13.09	ENSG00000159176	CSRP1	chr1	-	199742821	199743163	no
1139	8.49e-20	-2.72	ENSG00000013455	ARPC1A	chr7	+	98799102	98799192	no
1139	8.49e-20	-4.07	ENSG00000013455	ARPC1A	chr7	+	98801450	98801821	no
1140	8.8e-20	-2.82	ENSG00000184216	IRAK1	chrX	-	152938322	152938625	no
1140	8.8e-20	-2.44	ENSG00000184216	IRAK1	chrX	-	152929145	152930562	no
1141	9.00E-20	-23.95	ENSG00000143740	C1orf142	chr1	+	226030113	226031293	yes,JnId_h_8024
1142	9.05e-20	-2.62	ENSG00000132604	TERF2	chr16	-	67947036	67948460	no
1143	9.44e-20	-13.74	ENSG00000183726	TMEM50A	chr1	+	25559738	25561439	no
1144	1.01e-19	-2.01	ENSG00000165416	SUGT1	chr13	+	52137773	52137869	no
1145	1.06e-19	-3.4	ENSG00000160710	ADAR	chr1	-	152866955	152867098	yes,JnId_b_4176
1145	1.06e-19	-3.69	ENSG00000160710	ADAR	chr1	-	152847092	152847306	yes,JnId_h_5658
1146	1.16e-19	-4.14	ENSG00000168827	GFM1	chr3	+	159891819	159893055	no
1147	1.24e-19	-8.39	ENSG00000073050	XRCC1	chr19	-	48771400	48771998	no
1147	1.24e-19	-3.94	ENSG00000073050	XRCC1	chr19	-	48739032	48739497	no
1148	1.26e-19	-2.9	ENSG00000156171	TMEM77	chr1	-	111483646	111484344	no
1148	1.26e-19	-2.56	ENSG00000156171	TMEM77	chr1	-	111461478	111462412	no
1149	1.29e-19	-3.05	ENSG00000172671	ANUBL1	chr10	-	45431047	45432025	no
1150	1.34e-19	-2.02	ENSG00000065000	AP3D1	chr19	-	2102238	2102554	no
1150	1.34e-19	-2.27	ENSG00000065000	AP3D1	chr19	-	2064335	2064412	yes,JnId_h_39532
1150	1.34e-19	-2.46	ENSG00000065000	AP3D1	chr19	-	2060085	2060206	yes,JnId_h_39526
1151	1.37e-19	-3.54	ENSG00000179051	RCC2	chr1	-	17637313	17637644	no
1151	1.37e-19	-2.46	ENSG00000179051	RCC2	chr1	-	17628189	17628282	no
1151	1.37e-19	-2.08	ENSG00000179051	RCC2	chr1	-	17605843	17608277	no
1152	1.38e-19	-2.78	ENSG00000176261	ZBTB80S	chr1	-	32859008	32860136	no
1153	1.47e-19	-3.94	ENSG00000129292	PHF20L1	chr8	+	133892473	133894619	no
1154	1.48e-19	-2.42	ENSG00000168710	AHCYL1	chr1	+	110328831	110329317	no
1154	1.48e-19	-4.16	ENSG00000168710	AHCYL1	chr1	+	110365819	110367880	no
1155	1.66e-19	-3.89	ENSG00000150316	Q9P013	chr11	-	94335939	94336327	no
1156	1.76e-19	-2.02	ENSG00000008853	RHOBTB2	chr8	+	22913037	22913563	no
1156	1.76e-19	-2.38	ENSG00000008853	RHOBTB2	chr8	+	22930710	22933657	no
1157	1.79e-19	-2.09	ENSG00000131828	PDHA1	chrX	+	19281121	19281366	yes,JnId_h_80622
1157	1.79e-19	-2.05	ENSG00000131828	PDHA1	chrX	+	19287528	19289724	no
1158	1.88e-19	-20.98	ENSG00000079999	KEAP1	chr19	-	10474917	10475243	no
1158	1.88e-19	-7.66	ENSG00000079999	KEAP1	chr19	-	10457802	10458494	no
1159	1.99e-19	-5.02	ENSG00000143633	C1orf131	chr1	-	229426132	229427892	yes,JnId_h_8193
1160	2.06e-19	-2.5	ENSG00000061938	TNK2	chr3	-	197081382	197081672	no
1161	2.15e-19	-2.55	ENSG00000163681	SLMAP	chr3	+	57888063	57889934	yes,JnId_h_57935
1162	2.22e-19	-3.92	ENSG00000120254	MTHFD1L	chr6	+	151464355	151464716	yes,JnId_b_56192
1163	2.27e-19	-2.2	ENSG00000086589	RBM22	chr5	-	150050549	150051636	no
1164	2.35e-19	-2.01	ENSG00000126261	SAE2	chr19	+	39637189	39637301	no
1164	2.35e-19	-4.6	ENSG00000126261	SAE2	chr19	+	39651785	39652635	no
1165	2.38e-19	-2.5	ENSG00000144218	AFF3	chr2	-	99530150	99534489	no
1166	2.44e-19	-15.31	ENSG00000104635	SLC39A14	chr8	+	22328238	22328360	no
1166	2.44e-19	-6.82	ENSG00000104635	SLC39A14	chr8	+	22333010	22336199	no
1167	2.62e-19	-10.84	ENSG00000130175	PRKCSH	chr19	+	11407269	11407527	"yes,JnId_b_32446;JnId_b_32447"
1168	2.67e-19	-3.74	ENSG00000198087	CD2AP	chr6	+	47700107	47702620	no
1169	2.7e-19	-2.38	ENSG00000081791	KIAA0141	chr5	+	141283593	141283721	no
1169	2.7e-19	-3.97	ENSG00000081791	KIAA0141	chr5	+	141289927	141290023	no
1169	2.7e-19	-6.85	ENSG00000081791	KIAA0141	chr5	+	141298270	141299900	"yes,JnId_h_65729;JnId_h_65728"
1170	2.71e-19	-4.17	ENSG00000089154	GCN1L1	chr12	-	119112484	119112586	yes,JnId_b_15932
1170	2.71e-19	-3.74	ENSG00000089154	GCN1L1	chr12	-	119107010	119107073	yes,JnId_b_15932
1170	2.71e-19	-2.4	ENSG00000089154	GCN1L1	chr12	-	119083677	119083770	yes,JnId_b_15932
1170	2.71e-19	-2.35	ENSG00000089154	GCN1L1	chr12	-	119060510	119060602	yes,JnId_b_15926
1170	2.71e-19	-2.72	ENSG00000089154	GCN1L1	chr12	-	119049399	119050161	no
1171	2.76e-19	-3.33	ENSG00000083720	OXCT1	chr5	-	41765924	41767629	no
1172	3.10e-19	-3.37	ENSG00000104365	IKBKB	chr8	+	42295945	42297519	"yes,JnId_h_75115;JnId_h_75116;JnId_h_75116"
1172	3.10e-19	-2.35	ENSG00000104365	IKBKB	chr8	+	42307589	42309130	no
1173	3.76e-19	-5.54	ENSG00000135655	USP15	chr12	+	61015214	61016730	"yes,JnId_h_18841;JnId_h_18842"

1173	3.76e-19	-3.75	ENSG00000135655	USP15	chr12	+	61084240	61086165	no
1174	3.89e-19	-8.99	ENSG00000164062	APEH	chr3	+	49686439	49686850	yes,JnId_h_57137
1175	3.94e-19	-3.27	ENSG00000102531	FNDC3A	chr13	+	48617915	48618984	no
1176	3.95e-19	-5.32	ENSG00000011007	TCEB3	chr1	+	23958589	23961136	no
1177	3.97e-19	-2.79	ENSG00000164828	UNC84A	chr7	+	855683 856930	"yes,JnId_h_70810;JnId_h_70814;JnId_h_70816"	
1178	4.16e-19	-3.54	ENSG00000102753	KPNA3	chr13	-	49264575	49265058	no
1178	4.16e-19	-2.09	ENSG00000102753	KPNA3	chr13	-	49178405	49178509	no
1178	4.16e-19	-2.72	ENSG00000102753	KPNA3	chr13	-	49171463	49174035	no
1179	4.3e-19	-2.42	ENSG00000117650	NEK2	chr1	-	209906395	209907196	no
1179	4.3e-19	-2.74	ENSG00000117650	NEK2	chr1	-	209902737	209903617	no
1180	4.45e-19	-4.03	ENSG00000157500	APPL1	chr3	+	57278609	57282536	no
1181	4.8e-19	-3.73	ENSG00000138279	ANXA7	chr10	-	74805209	74805981	no
1182	5.07e-19	-6.9	ENSG00000196628	TCF4	chr18	-	51406267	51406858	no
1183	5.7e-19	-2.79	ENSG00000196943	LTB4R	chr14	+	23854683	23855990	no
1184	5.82e-19	-3.01	ENSG00000105176	C19orf2	chr19	+	35197634	35198451	no
1185	5.84e-19	-2.91	ENSG00000111615	KRR1	chr12	-	74177688	74179998	no
1186	5.9e-19	-2.04	ENSG00000116337	AMPD2	chr1	+	109969448	109969715	yes,JnId_h_4576
1187	6.04e-19	-2.08	ENSG00000104517	EDD1	chr8	-	103410687	103410803	yes,JnId_h_76015
1187	6.04e-19	-2.01	ENSG00000104517	EDD1	chr8	-	103393746	103393889	no
1188	6.42e-19	-2.27	ENSG00000110075	SAPS3	chr11	+	68137110	68139373	no
1189	7.72e-19	-5.15	ENSG00000111602	TIMELESS	chr12	-	55097177	55097837	no
1190	8.2e-19	-4.94	ENSG0000020256	ZFP64	chr20	-	50201224	50203374	yes,JnId_b_41580
1191	8.23e-19	-4.05	ENSG00000163867	ZMYM6	chr1	-	35255432	35257790	no
1191	8.23e-19	-3	ENSG00000163867	ZMYM6	chr1	-	35225168	35227123	no
1192	9.05e-19	-4.12	ENSG00000185608	MRPL40	chr22	+	17799425	17800130	no
1193	9.78e-19	-4.98	ENSG00000078061	ARAF	chrX	+	47309595	47310025	yes,JnId_h_81067
1194	9.9e-19	-2.38	ENSG00000126216	TUBGCP3	chr13	-	112248797	112250067	no
1194	9.9e-19	-2.69	ENSG00000126216	TUBGCP3	chr13	-	112187327	112188466	no
1195	1.07e-18	-5.26	ENSG00000145016	Q5HYI6	chr3	-	198887485	198888306	no
1195	1.07e-18	-2.22	ENSG00000145016	Q5HYI6	chr3	-	198885230	198886464	no
1195	1.07e-18	-2.91	ENSG00000145016	Q5HYI6	chr3	-	198883253	198884573	no
1196	1.09e-18	-14.79	ENSG00000160050	CCDC28B	chr1	+	32442786	32443575	yes,JnId_h_2019
1197	1.12e-18	-2.86	ENSG00000112293	GPLD1	chr6	-	24597622	24597829	no
1198	1.15e-18	-3.68	ENSG00000164190	NIPBL	chr5	+	37100386	37102272	no
1199	1.19e-18	-3.47	ENSG00000137501	SYTL2	chr11	-	85112723	85116719	no
1200	1.21e-18	-2.65	ENSG00000170242	USP47	chr11	+	11819546	11820347	no
1200	1.21e-18	-2.12	ENSG00000170242	USP47	chr11	+	11934124	11937448	no
1201	1.21e-18	-17.18	ENSG00000177600	RPLP2	chr11	+	802760 802876	no	
1202	1.23e-18	-8.79	ENSG00000146281	ACY1L2	chr6	+	89928547	89932003	no
1203	1.25e-18	-13.43	ENSG00000114738	MAPKAPK3	chr3	+	50660329	50661724	no
1204	1.26e-18	-3.46	ENSG00000114978	MOBK1B	chr2	-	74235495	74237280	no
1205	1.27e-18	-4.81	ENSG00000168118	RAB4A	chr1	+	227506176	227507874	no
1206	1.29e-18	-3.55	ENSG00000105483	CARD8	chr19	-	53426729	53427183	no
1206	1.29e-18	-3.72	ENSG00000105483	CARD8	chr19	-	53404726	53407044	no
1207	1.34e-18	-7.7	ENSG00000083123	BCKDHB	chr6	+	81110100	81112706	yes,JnId_b_55381
1208	1.49e-18	-2.12	ENSG00000005007	UPF1	chr19	+	18803747	18804249	no
1208	1.49e-18	-4.83	ENSG00000005007	UPF1	chr19	+	18819553	18819642	no
1208	1.49e-18	-2.33	ENSG00000005007	UPF1	chr19	+	18838330	18840038	no
1209	1.52e-18	-3.3	ENSG00000136451	VEZF1	chr17	-	53403909	53407260	no
1210	1.58e-18	-2.79	ENSG00000116830	TTF2	chr1	+	117445525	117447015	no
1211	2.02e-18	-3.38	ENSG00000132254	ARFIP2	chr11	-	6459037 6459171	yes,JnId_h_12337	
1211	2.02e-18	-4.26	ENSG00000132254	ARFIP2	chr11	-	6453504 6455074	no	
1212	2.06e-18	-2.08	ENSG00000090006	LTBP4	chr19	+	45811342	45811784	no
1213	2.13e-18	-3.48	ENSG00000105699	LSR	chr19	+	40431399	40431874	no
1213	2.13e-18	-2.39	ENSG00000105699	LSR	chr19	+	40450567	40450703	no
1214	2.16e-18	-5.8	ENSG00000175792	RUVBL1	chr3	-	129284016	129284107	no
1214	2.16e-18	-7.83	ENSG00000175792	RUVBL1	chr3	-	129282493	129282942	no
1215	2.16e-18	-2.46	ENSG00000187522	HSPA14	chr10	+	14925376	14929003	"yes,JnId_h_9018;JnId_h_9021"
1216	2.53e-18	-3.9	ENSG00000084463	WBP11	chr12	-	14845521	14845629	no
1216	2.53e-18	-2.91	ENSG00000084463	WBP11	chr12	-	14843836	14843929	no
1216	2.53e-18	-4.51	ENSG00000084463	WBP11	chr12	-	14830681	14831699	no
1217	2.55e-18	-2.56	ENSG00000106683	LIMK1	chr7	+	73136092	73136311	no
1218	2.70e-18	-2.27	ENSG00000163714	SR140_HUMAN	chr3	+	144215843	144215941	no
1218	2.70e-18	-2.23	ENSG00000163714	SR140_HUMAN	chr3	+	144234803	144234882	no

1218	2.70e-18	-3.42	ENSG00000163714	SR140_HUMAN	chr3	+	144237514	144237636	no
1218	2.70e-18	-3.44	ENSG00000163714	SR140_HUMAN	chr3	+	144257844	144259182	yes,JnId_h_59501
1219	2.91e-18	-2.5	ENSG00000160201	U2AF1	chr21	-	43386136	43386428	no
1220	2.97e-18	-4.47	ENSG00000102606	ARHGEF7	chr13	+	110736495	110736588	no
1220	2.97e-18	-2.2	ENSG00000102606	ARHGEF7	chr13	+	110738702	110738791	no
1220	2.97e-18	-4.79	ENSG00000102606	ARHGEF7	chr13	+	110753339	110756081	no
1221	2.99e-18	-4.64	ENSG00000065328	MCM10	chr10	+	13291097	13293110	yes,JnId_h_8995
1222	2.99e-18	-2.08	ENSG00000111344	RASAL1	chr12	-	112029285	112029429	no
1222	2.99e-18	-3.2	ENSG00000111344	RASAL1	chr12	-	112026134	112026269	no
1222	2.99e-18	-2.15	ENSG00000111344	RASAL1	chr12	-	112024077	112024197	yes,JnId_b_15702
1222	2.99e-18	-6.77	ENSG00000111344	RASAL1	chr12	-	112021007	112022256	no
1223	3.17e-18	-3.5	ENSG00000118217	ATF6	chr1	+	160194860	160200484	no
1224	3.18e-18	-5.5	ENSG00000133422	MORC2	chr22	-	29693052	29694187	yes,JnId_b_43337
1224	3.18e-18	-2.04	ENSG00000133422	MORC2	chr22	-	29667878	29667989	no
1224	3.18e-18	-2.81	ENSG00000133422	MORC2	chr22	-	29658532	29658756	no
1224	3.18e-18	-2.97	ENSG00000133422	MORC2	chr22	-	29654006	29654194	no
1225	3.37e-18	-2.11	ENSG00000117362	APH1A	chr1	-	148507722	148508327	no
1226	3.52e-18	-7.66	ENSG00000168214	RBPJ	chr4	+	26031797	26035199	no
1227	3.63e-18	-2.49	ENSG00000120705	ETF1	chr5	-	137869690	137871975	no
1228	3.69e-18	-5.04	ENSG00000113569	NUP155	chr5	-	37323996	37327897	no
1229	4.02e-18	-2.38	ENSG00000130741	EIF2S3	chrX	+	24004760	24006007	no
1230	4.22e-18	-2.91	ENSG00000082438	COBLL1	chr2	-	165405912	165406176	no
1230	4.22e-18	-3.84	ENSG00000082438	COBLL1	chr2	-	165249502	165250788	no
1231	4.69e-18	-3.46	ENSG00000139154	AEBP2	chr12	+	19544298	19544422	no
1231	4.69e-18	-10.79	ENSG00000139154	AEBP2	chr12	+	19562288	19564424	no
1232	5.05e-18	-3.66	ENSG00000119446	RBM18	chr9	-	124041655	124044143	no
1233	5.35e-18	-2.33	ENSG00000204197	KIFC1	chr6	+	33485401	33485679	no
1234	5.55e-18	-2.04	ENSG00000055208	MAP3K7IP2	chr6	+	149772406	149774442	no
1235	5.72e-18	-5.06	ENSG00000100632	ERH	chr14	-	68916601	68917110	no
1236	5.74e-18	-4.13	ENSG00000111206	FOXM1	chr12	-	2856347	2856564	no
1237	5.76e-18	-2	ENSG00000129071	MBD4	chr3	-	130634036	130634139	no
1237	5.76e-18	-7.4	ENSG00000129071	MBD4	chr3	-	130632483	130633111	no
1238	5.98e-18	-3.32	ENSG00000111737	RAB35	chr12	-	119038786	119038982	no
1238	5.98e-18	-3.42	ENSG00000111737	RAB35	chr12	-	119017289	119019560	yes,JnId_h_20353
1239	6.04e-18	-2.55	ENSG00000198586	TLK1	chr2	-	171556816	171558712	no
1240	6.1e-18	-2.09	ENSG00000145220	LYAR_HUMAN	chr4	-	4321158	4321243	no
1240	6.1e-18	-4.87	ENSG00000145220	LYAR_HUMAN	chr4	-	4320329	4320651	no
1241	6.22e-18	-2.43	ENSG00000126767	ELK1	chrX	-	47394766	47394964	no
1241	6.22e-18	-3	ENSG00000126767	ELK1	chrX	-	47379864	47381270	no
1242	6.67e-18	-3.63	ENSG00000152457	DCLRE1C	chr10	-	14979364	14981317	no
1243	7.39e-18	-2.69	ENSG00000172500	FIBP	chr11	-	65412381	65412586	no
1243	7.39e-18	-4.97	ENSG00000172500	FIBP	chr11	-	65407787	65408090	no
1244	7.9e-18	-2.61	ENSG00000138758	11-Sep	chr4	+	78174674	78178791	no
1245	8.92e-18	-10.34	ENSG00000136156	ITM2B	chr13	+	47733276	47734233	no
1246	9.56e-18	-3.69	ENSG00000092098	ISGF3G	chr14	+	23699569	23700387	no
1246	9.56e-18	-3.68	ENSG00000092098	ISGF3G	chr14	+	23705171	23706451	no
1247	1.07e-17	-2.4	ENSG00000005339	CREBBP	chr16	-	3869834	3870723	no
1248	1.07e-17	-2.12	ENSG00000187555	USP7	chr16	-	8902500	8902592	no
1248	1.07e-17	-3.2	ENSG00000187555	USP7	chr16	-	8894851	8895462	no
1249	1.08e-17	-2.34	ENSG00000178188	SH2B1	chr16	+	28781626	28785855	yes,JnId_b_23770
1250	1.13e-17	-3.01	ENSG00000163932	PRKCD	chr3	+	53170263	53170484	"yes,JnId_h_57745;JnId_h_57746"
1251	1.15e-17	-6.17	ENSG00000137161	TNRC5	chr6	+	43004856	43005437	yes,JnId_h_68333
1252	1.17e-17	-2.17	ENSG00000135829	DHX9	chr1	+	181112588	181112661	no
1252	1.17e-17	-3.38	ENSG00000135829	DHX9	chr1	+	181122841	181123510	no
1253	1.29e-17	-2.5	ENSG00000082212	ME2	chr18	+	46727385	46728256	no
1254	1.34e-17	-2.53	ENSG00000186635	STARD10	chr11	-	72110543	72110781	yes,JnId_h_15133
1254	1.34e-17	-4.84	ENSG00000186635	STARD10	chr11	-	72101131	72101936	yes,JnId_b_11733
1255	1.35e-17	-2.48	ENSG00000122545	7-Sep	chr7	+	35807190	35807405	no
1255	1.35e-17	-2.38	ENSG00000122545	7-Sep	chr7	+	35888619	35888711	no
1256	1.4e-17	-4.72	ENSG00000057663	ATG5	chr6	-	106880094	106880361	no
1256	1.4e-17	-8.83	ENSG00000057663	ATG5	chr6	-	106739044	106741244	no
1257	1.65e-17	-3.96	ENSG00000062650	WAPAL	chr10	-	88184993	88187345	no
1258	1.70e-17	-3.24	ENSG00000090621	PABPC4	chr1	-	39806010	39806105	no
1258	1.70e-17	-4.38	ENSG00000090621	PABPC4	chr1	-	39799075	39799381	no

1259	1.74e-17	-2.95	ENSG00000198162	MAN1A2	chr1	+	117866970	117873017	no	
1260	1.74e-17	-2.63	ENSG00000160298	C21orf58	chr21	-	46545474	46546496		"yes,JnId_h_53031;JnId_h_53033"
1261	1.78e-17	-3	ENSG00000072849	DERL2	chr17	-	5315295	5318833	no	
1262	1.95e-17	-3.11	ENSG00000163029	SMC6	chr2	-	17790575	17790699	yes,JnId_b_35875	
1262	1.95e-17	-2.04	ENSG00000163029	SMC6	chr2	-	17786360	17786477	no	
1262	1.95e-17	-2.18	ENSG00000163029	SMC6	chr2	-	17776489	17776625	no	
1262	1.95e-17	-6.8	ENSG00000163029	SMC6	chr2	-	17708560	17710361	yes,JnId_h_44487	
1263	1.99e-17	-2.05	ENSG00000180817	PPA1	chr10	-	71638967	71639052	no	
1263	1.99e-17	-4.1	ENSG00000180817	PPA1	chr10	-	71632592	71632948	no	
1264	2.2e-17	-2.74	ENSG00000146918	NCAPG2	chr7	-	158116772	158117170	no	
1265	2.42e-17	-7.51	ENSG00000102977	ACD	chr16	-	66251526	66252214	no	
1266	2.84e-17	-2.66	ENSG00000020633	RUNX3	chr1	-	25098596	25101744	no	
1267	3.03e-17	-3.72	ENSG00000137055	PLAA	chr9	-	26894081	26896074	no	
1268	3.22e-17	-4.62	ENSG00000138660	C4orf16	chr4	+	113408749	113410652	no	
1269	3.25e-17	-6.61	ENSG00000163882	POLR2H	chr3	+	185562254	185562628	no	
1269	3.25e-17	-2.08	ENSG00000163882	POLR2H	chr3	+	185563355	185564047	no	
1270	3.30e-17	-10.19	ENSG00000100796	SMEK1	chr14	-	90993708	90994966	no	
1271	3.46e-17	-4.86	ENSG00000128708	HAT1	chr2	+	172556345	172556845	no	
1272	3.47e-17	-2.27	ENSG00000100580	TMED8	chr14	-	76879793	76879919	no	
1272	3.47e-17	-7.39	ENSG00000100580	TMED8	chr14	-	76871119	76872824	no	
1273	3.49e-17	-3.32	ENSG00000104320	NBN	chr8	-	91014740	91017016	no	
1274	3.56e-17	-2.07	ENSG00000158604	TMED4	chr7	-	44584021	44585752	yes,JnId_h_71722	
1275	3.67e-17	-2.38	ENSG00000084774	CAD	chr2	+	27302503	27302691	yes,JnId_h_44822	
1275	3.67e-17	-2.95	ENSG00000084774	CAD	chr2	+	27319788	27320164	no	
1276	3.71e-17	-2.11	ENSG00000154237	LRRK1	chr15	+	99369736	99369873	no	
1277	4.41e-17	-4.58	ENSG00000203879	GDI1	chrX	+	153318460	153318839	no	
1278	4.82e-17	-2.53	ENSG00000163374	YY1AP1	chr1	-	153924486	153924988		"yes,JnId_h_5857;JnId_h_5856"
1279	5.1e-17	-17.48	ENSG00000171262	FAM98B	chr15	+	36560785	36563158	no	
1280	5.3e-17	-3.56	ENSG00000119912	IDE	chr10	-	94201421	94204276	no	
1281	5.48e-17	-2.94	ENSG00000007202	KIAA0100	chr17	-	23994014	23994132	yes,JnId_h_34023	
1281	5.48e-17	-2.52	ENSG00000007202	KIAA0100	chr17	-	23968373	23968463	no	
1281	5.48e-17	-2.84	ENSG00000007202	KIAA0100	chr17	-	23965599	23966391	no	
1282	5.57e-17	-8.82	ENSG00000073849	ST6GAL1	chr3	+	188131210	188131317	no	
1282	5.57e-17	-4.06	ENSG00000073849	ST6GAL1	chr3	+	188164267	188164408	no	
1283	5.74e-17	-2.92	ENSG00000132824	SERINC3	chr20	-	42559486	42562489	no	
1284	5.78e-17	-2.69	ENSG00000116675	DNAJC6	chr1	+	65633169	65633303	no	
1284	5.78e-17	-5.82	ENSG00000116675	DNAJC6	chr1	+	65651195	65654140	no	
1285	6,00E-17	-3.75	ENSG00000181192	DHTKD1	chr10	+	12202792	12205230	no	
1286	6,00E-17	-3.66	ENSG00000130511	SSBP4	chr19	+	18391136	18391517	no	
1286	6,00E-17	-2.11	ENSG00000130511	SSBP4	chr19	+	18403163	18403228	yes,JnId_h_41557	
1286	6,00E-17	-2.39	ENSG00000130511	SSBP4	chr19	+	18404783	18404853	no	
1286	6,00E-17	-5.29	ENSG00000130511	SSBP4	chr19	+	18406027	18406459	no	
1287	6.22e-17	-2.31	ENSG00000181852	RNF41	chr12	-	54884555	54886849	no	
1288	6.29e-17	-5.07	ENSG00000143793	Clorf35	chr1	-	226357458	226359735	no	
1289	6.3e-17	-3.81	ENSG00000087269	NOL14	chr4	-	2909464	2909713	no	
1290	6.42e-17	-2.26	ENSG00000176049	JAKMIP2	chr5	-	147020704	147021201	no	
1290	6.42e-17	-11.34	ENSG00000176049	JAKMIP2	chr5	-	146948183	146951442	no	
1291	6.63e-17	-2.3	ENSG00000143493	INTS7	chr1	-	210180364	210182076	no	
1292	7.02e-17	-6.76	ENSG00000114686	MRPL3	chr3	-	132671230	132671307	no	
1292	7.02e-17	-4.94	ENSG00000114686	MRPL3	chr3	-	132663736	132664409	no	
1293	7.42e-17	-2.12	ENSG00000163832	TMEM103	chr3	-	47513008	47513884	yes,JnId_h_56716	
1294	7.6e-17	-6.78	ENSG00000114735	HEMK1	chr3	+	50592816	50597426	no	
1295	7.95e-17	-3.07	ENSG00000178741	COX5A	chr15	-	72999674	72999836	no	
1296	8.02e-17	-2.12	ENSG00000151883	PARP8	chr5	+	50173557	50178113	no	
1297	8.53e-17	-2.16	ENSG00000075856	SART3	chr12	-	107440487	107441541	yes,JnId_h_19724	
1298	8.56e-17	-3.87	ENSG00000123505	AMD1	chr6	+	111321372	111323609	no	
1299	9.12e-17	-42.46	ENSG00000088986	DYNLL1	chr12	+	119420259	119420679	no	
1300	9.14e-17	-16.83	ENSG00000198502	HLA-DRB5	chr6	-	32593092	32593507	no	
1301	9.37e-17	-2.34	ENSG00000078808	SDF4	chr1	-	1157135	1157274	no	
1301	9.37e-17	-2.09	ENSG00000078808	SDF4	chr1	-	1142151	1143047	no	
1302	9.42e-17	-2.06	ENSG00000160190	SLC37A1	chr21	+	42873524	42874599	no	
1303	9.42e-17	-4.67	ENSG00000170291	C17orf81	chr17	+	7102631	7103974	yes,JnId_h_33011	
1304	9.56e-17	-3.28	ENSG00000204178	TMEM57	chr1	+	25697342	25699287	no	
1305	1.04e-16	-3.51	ENSG00000138385	SSB	chr2	+	170376424	170376797	no	

1306	1.05e-16	-3.47	ENSG00000133275	CSNK1G2	chr19	+	1892188	1892417	no	
1307	1.18e-16	-4.1	ENSG0000026036	TNFRSF6B	chr20	+	61788168	61789847	yes	JnId_b_41876
1307	1.18e-16	-2.41	ENSG0000026036	TNFRSF6B	chr20	+	61797125	61797447	no	
1307	1.18e-16	-6.06	ENSG0000026036	TNFRSF6B	chr20	+	61797575	61798988	no	
1308	1.30e-16	-4.17	ENSG00000145901	TNIP1	chr5	-	150440634	150440762	yes	JnId_h_65976
1308	1.30e-16	-2.43	ENSG00000145901	TNIP1	chr5	-	150392041	150392137	no	
1308	1.30e-16	-2.21	ENSG00000145901	TNIP1	chr5	-	150389733	150390501	yes	JnId_h_65959
1309	1.46e-16	-4.18	ENSG00000081154	PCNP	chr3	+	102794161	102795969	no	
1310	1.47e-16	-4.9	ENSG00000120509	PDZD11	chrX	-	69422684	69423691	no	
1311	1.50e-16	-6.31	ENSG00000106290	TAF6	chr7	-	99554763	99554915	"yes	JnId_b_58215;JnId_b_58216"
1311	1.50e-16	-2.33	ENSG00000106290	TAF6	chr7	-	99542630	99543182	no	
1312	1.53e-16	-3.68	ENSG00000122779	TRIM24	chr7	+	137920027	137920851	no	
1312	1.53e-16	-5.43	ENSG00000131148	COX4NB	chr16	-	84369737	84370974	yes	JnId_h_31866
1314	1.55e-16	-2.12	ENSG00000111725	PRKAB1	chr12	+	118602436	118603799	no	
1315	1.56e-16	-3.3	ENSG00000204899	Q08AG7	chr13	-	72180496	72182484	no	
1316	1.70e-16	-6.49	ENSG00000019995	ZRANB1	chr10	+	126620682	126621866	no	
1316	1.70e-16	-6.68	ENSG00000019995	ZRANB1	chr10	+	126663333	126666748	no	
1317	1.7e-16	-2	ENSG00000149930	TAOK2	chr16	+	29909869	29911082	no	
1318	1.74e-16	-3.96	ENSG00000110172	CHORDC1	chr11	-	89573832	89575367	no	
1319	1.79e-16	-2.29	ENSG00000100413	POLR3H	chr22	-	40251754	40255286	no	
1320	1.84e-16	-2.13	ENSG00000198900	TOP1	chr20	+	39142139	39142234	yes	JnId_b_41136
1320	1.84e-16	-2.85	ENSG00000198900	TOP1	chr20	+	39143219	39143294	yes	JnId_b_41136
1320	1.84e-16	-2.17	ENSG00000198900	TOP1	chr20	+	39177425	39177493	no	
1320	1.84e-16	-3.75	ENSG00000198900	TOP1	chr20	+	39185249	39186541	no	
1321	1.96e-16	-8.54	ENSG00000140455	USP3	chr15	+	61669913	61673891	no	
1322	2.46e-16	-3.66	ENSG00000162368	CMPK	chr1	+	47611214	47611702	no	
1322	2.46e-16	-2.96	ENSG00000162368	CMPK	chr1	+	47614963	47617098	no	
1323	2.48e-16	-2.31	ENSG00000113456	RAD1	chr5	-	34941122	34944810	no	
1324	2.61e-16	-12.29	ENSG00000167721	TSR1	chr17	-	2186375	2187428	no	
1324	2.61e-16	-6.57	ENSG00000167721	TSR1	chr17	-	2172742	2174418	no	
1325	2.78e-16	-2.96	ENSG00000116198	KIAA0562	chr1	-	3718505	3721941	no	
1326	2.81e-16	-3.5	ENSG00000156642	NPTN	chr15	-	71639418	71640442	yes	JnId_h_27308
1327	2.83e-16	-4.84	ENSG00000114098	ARMC8	chr3	+	139388838	139389131	yes	JnId_h_59307
1327	2.83e-16	-8.46	ENSG00000114098	ARMC8	chr3	+	139446620	139448418	no	
1327	2.83e-16	-7.62	ENSG00000114098	ARMC8	chr3	+	139497391	139498909	no	
1328	3.01e-16	-2.28	ENSG00000172845	SP3	chr2	-	174538139	174538676	no	
1329	3.25e-16	-2.39	ENSG00000161800	RACGAP1	chr12	-	48669214	48670393	no	
1330	3.29e-16	-2.28	ENSG00000070814	TCOF1	chr5	+	149717410	149717610	no	
1330	3.29e-16	-3.76	ENSG00000070814	TCOF1	chr5	+	149731762	149731992	yes	JnId_h_65892
1330	3.29e-16	-3.1	ENSG00000070814	TCOF1	chr5	+	149733930	149734142	"yes	JnId_h_65895;JnId_h_65893"
1330	3.29e-16	-3.58	ENSG00000070814	TCOF1	chr5	+	149758110	149758207	yes	JnId_h_65895
1331	3.42e-16	-8.36	ENSG00000066926	FECH	chr18	-	53366535	53369076	no	
1332	3.43e-16	-6.43	ENSG00000145386	CCNA2	chr4	-	122958002	122958291	no	
1333	3.68e-16	-2.83	ENSG00000145354	ZCD2	chr4	+	104027934	104029833	no	
1334	3.86e-16	-3.65	ENSG00000125912	NCLN	chr19	+	3136875	3137212	no	
1334	3.86e-16	-2.23	ENSG00000125912	NCLN	chr19	+	3158389	3158467	no	
1334	3.86e-16	-4.5	ENSG00000125912	NCLN	chr19	+	3158627	3160572	no	
1335	3.95e-16	-14.37	ENSG00000196683	TOMM7	chr7	-	22818782	22819329	yes	JnId_b_56939
1336	4.14e-16	-2.48	ENSG00000147457	CHMP7	chr8	+	23173996	23175437	no	
1337	4.31e-16	-3.94	ENSG00000141425	Q7Z5G8	chr18	-	31823785	31824556	no	
1338	5.00E-16	-8.04	ENSG00000051523	CYBA	chr16	-	87237199	87237480	no	
1339	5.09e-16	-2.26	ENSG00000135185	C7orf23	chr7	-	86663418	86664010	no	
1340	5.15e-16	-2.23	ENSG00000168003	SLC3A2	chr11	+	62380094	62380429	yes	JnId_h_13956
1340	5.15e-16	-2	ENSG00000168003	SLC3A2	chr11	+	62395625	62395717	"yes	JnId_h_13960;JnId_h_13957"
1341	5.37e-16	-2.01	ENSG00000143870	PDIA6	chr2	-	10870255	10870421	no	
1341	5.37e-16	-2.02	ENSG00000143870	PDIA6	chr2	-	10860076	10860217	no	
1342	5.43e-16	-2.28	ENSG00000205323	Q567R9	chr12	-	54437325	54437604	no	
1343	5.5e-16	-2.2	ENSG00000105723	GSK3A	chr19	-	47438175	47438591	no	
1344	5.62e-16	-5.94	ENSG00000169718	DUS1L	chr17	-	77616778	77616969	no	
1344	5.62e-16	-2.2	ENSG00000169718	DUS1L	chr17	-	77609043	77609419	no	
1345	6.01e-16	-8.85	ENSG00000132002	DNAJB1	chr19	-	14486582	14487982	no	
1346	6.1e-16	-2.74	ENSG00000185238	PRMT3	chr11	+	20365682	20365896	no	
1346	6.1e-16	-2.59	ENSG00000185238	PRMT3	chr11	+	20486426	20487404	no	
1347	6.38e-16	-3.79	ENSG00000165916	PSMC3	chr11	-	47404332	47404565	no	

1348	6.63e-16	-6.31	ENSG00000127124	HIVEP3	chr1	-	41744623	41749524	no
1349	6.69e-16	-3.12	ENSG00000160991	TMEM142B	chr7	+	101861022	101861113	no
1349	6.69e-16	-4.63	ENSG00000163812	ZDHHC3	chr3	-	44992429	44992618	no
1349	6.69e-16	-5.56	ENSG00000163812	ZDHHC3	chr3	-	44941663	44943343	yes,JnId_b_45444
1351	6.8e-16	-2.42	ENSG00000088325	TPX2	chr20	+	29790565	29791085	"yes,JnId_b_40656;JnId_b_40657"
1351	6.8e-16	-2.3	ENSG00000088325	TPX2	chr20	+	29794005	29794111	"yes,JnId_b_40656;JnId_b_40657"
1352	7.31e-16	-2.72	ENSG00000161813	LARP4	chr12	+	49155576	49160046	no
1353	7.33e-16	-2.35	ENSG00000196821	C6orf106	chr6	-	34663043	34666355	no
1354	7.48e-16	-5.52	ENSG00000197195	CHURC1	chr14	+	64468609	64471666	yes,JnId_h_24143
1355	7.5e-16	-2.36	ENSG00000163539	CLASP2	chr3	-	33623087	33623254	yes,JnId_h_56179
1355	7.5e-16	-4.25	ENSG00000163539	CLASP2	chr3	-	33512745	33515213	no
1356	7.88e-16	-5.41	ENSG00000130699	TAF4	chr20	-	60072902	60074261	no
1356	7.88e-16	-2.87	ENSG00000130699	TAF4	chr20	-	60008575	60008705	yes,JnId_h_51872
1356	7.88e-16	-9.31	ENSG00000130699	TAF4	chr20	-	59983247	59984786	yes,JnId_h_51872
1357	7.94e-16	-2.41	ENSG00000099940	SNAP29	chr22	+	19571967	19574109	no
1358	8.3e-16	-2.38	ENSG00000107651	SEC23IP	chr10	+	121682507	121682669	no
1358	8.3e-16	-5.3	ENSG00000107651	SEC23IP	chr10	+	121690088	121691648	no
1359	8.31e-16	-9.31	ENSG00000153406	NMRAL1	chr16	-	4464095	4464794	"yes,JnId_b_22982;JnId_b_22983;JnId_b_22983;JnId_b_22984;JnId_b_22984"
1359	8.31e-16	-3.42	ENSG00000153406	NMRAL1	chr16	-	4451730	4451961	yes,JnId_h_29225
1360	8.37e-16	-2.15	ENSG00000204954	Q69YU5	chr12	-	102868116	102869538	no
1361	8.58e-16	-2.5	ENSG00000148341	SH3GLB2	chr9	-	130810134	130810891	"yes,JnId_b_63785;JnId_b_63787;JnId_b_63788"
1362	8.61e-16	-2.76	ENSG00000144554	FANCD2	chr3	+	10117872	10118614	no
1363	8.72e-16	-2.97	ENSG00000064607	SFRS14	chr19	-	18962699	18962958	no
1364	8.76e-16	-8.98	ENSG00000178425	NT5DC1	chr6	+	116671765	116673545	no
1365	8.9e-16	-3.6	ENSG00000160285	LSS	chr21	-	46436223	46436301	no
1366	9.23e-16	-6.16	ENSG00000100304	TTLL12	chr22	-	41912843	41913051	yes,JnId_b_44168
1366	9.23e-16	-2.81	ENSG00000100304	TTLL12	chr22	-	41892572	41894109	no
1367	9.25e-16	-2.35	ENSG00000204592	HLA-E	chr6	+	30565198	30565355	no
1367	9.25e-16	-2.27	ENSG00000204592	HLA-E	chr6	+	30568505	30569950	no
1368	9.64e-16	-4.34	ENSG00000167969	DCI	chr16	-	2229397	2230147	yes,JnId_h_28931
1369	9.66e-16	-2.67	ENSG00000183527	DSCR2	chr21	-	39468565	39469460	no
1370	1.01e-15	-3.63	ENSG0000012983	MAP4K5	chr14	-	49954999	49956574	no
1371	1.06e-15	-4.5	ENSG00000118418	HMG3	chr6	-	79967685	79968162	no
1372	1.07e-15	-6.27	ENSG00000125037	TMEM111	chr3	-	9979221	9980881	no
1373	1.20e-15	-4.97	ENSG00000076944	STXBP2	chr19	+	7611305	7611695	no
1373	1.20e-15	-2.87	ENSG00000076944	STXBP2	chr19	+	7611786	7612087	no
1374	1.25e-15	-6.78	ENSG00000144320	KIAA1715	chr2	-	176496896	176503173	no
1375	1.29e-15	-3.41	ENSG00000153201	RANBP2	chr2	+	108766484	108767683	no
1376	1.33e-15	-3.19	ENSG00000162910	MRPL55	chr1	-	226362559	226363379	"yes,JnId_h_8040;JnId_h_8042;JnId_h_8043"
1377	1.34e-15	-5.49	ENSG00000100403	ZC3H7B	chr22	+	40027513	40027722	no
1377	1.34e-15	-3.41	ENSG00000100403	ZC3H7B	chr22	+	40055973	40056053	yes,JnId_h_54749
1377	1.34e-15	-3.47	ENSG00000100403	ZC3H7B	chr22	+	40064263	40064353	yes,JnId_h_54749
1377	1.34e-15	-2.93	ENSG00000100403	ZC3H7B	chr22	+	40083127	40086097	no
1378	1.39e-15	-2.78	ENSG00000148308	GTF3C5	chr9	+	134895897	134896372	yes,JnId_h_79880
1379	1.42e-15	-4.15	ENSG00000172071	EIF2AK3	chr2	-	88637376	88638569	no
1380	1.45e-15	-2.22	ENSG00000116044	NFE2L2	chr2	-	177803285	177804982	no
1381	1.52e-15	-4.67	ENSG00000151503	NCAPD3	chr11	-	133598967	133599636	no
1382	1.57e-15	-3.17	ENSG00000100220	C22orf28	chr22	-	31113569	31114086	no
1383	1.65e-15	-2.37	ENSG00000058729	RIOK2	chr5	-	96522327	96524685	no
1384	1.72e-15	-2.36	ENSG00000140320	BAHD1	chr15	+	38545432	38547718	no
1385	1.81e-15	-82.59	ENSG00000164054	Q8NHL9	chr3	-	48484201	48485589	yes,JnId_b_45718
1386	1.82e-15	-4.35	ENSG00000146083	RNF44	chr5	-	175896547	175897027	yes,JnId_b_53070
1387	1.87e-15	-2.57	ENSG00000169139	UBE2V2	chr8	+	49116860	49118294	no
1388	2.05e-15	-3.35	ENSG00000058262	SEC61A1	chr3	+	129253902	129254092	no
1388	2.05e-15	-2.72	ENSG00000058262	SEC61A1	chr3	+	129271009	129273215	no
1389	2.16e-15	-2.74	ENSG00000143486	LGTM	chr1	-	204831600	204831800	no
1390	2.18e-15	-2.49	ENSG00000170471	KIAA1219	chr20	+	36554987	36555189	no
1390	2.18e-15	-3.12	ENSG00000170471	KIAA1219	chr20	+	36583554	36583755	no
1390	2.18e-15	-2.12	ENSG00000170471	KIAA1219	chr20	+	36620352	36620510	no
1390	2.18e-15	-3.29	ENSG00000170471	KIAA1219	chr20	+	36636831	36640918	no
1391	2.18e-15	-3.53	ENSG00000115966	ATF2	chr2	-	175645228	175647809	no
1392	2.23e-15	-2.26	ENSG00000161057	PSMC2	chr7	+	102795580	102795891	no
1393	2.34e-15	-3.42	ENSG00000145293	ENOPH1	chr4	+	83600158	83601263	no
1394	2.43e-15	-4.27	ENSG00000140259	MFAP1	chr15	-	41884025	41884766	no

1395	2.46e-15	-8.42	ENSG00000137766	UNC13C	chr15	+	52706318	52708094	no	
1396	2.46e-15	-2.32	ENSG00000134602	Q8NC04	chrX	+	131035844	131037652	no	
1397	2.52e-15	-2.68	ENSG00000136146	MED4	chr13	-	47548093	47549448	no	
1398	2.58e-15	-4.95	ENSG00000109445	ZNF330	chr4	+	142362970	142363095	yes	JnId_h_62728
1398	2.58e-15	-9.69	ENSG00000109445	ZNF330	chr4	+	142374319	142375298	no	
1399	2.64e-15	-3.04	ENSG00000159377	PSMB4	chr1	+	149640917	149641044	no	
1400	2.7e-15	-5.53	ENSG00000180098	TRSPAP1	chr1	+	28776599	28777638	no	
1401	2.83e-15	-2.2	ENSG00000095209	TMEM38B	chr9	+	107575967	107578714	no	
1402	2.87e-15	-3.01	ENSG00000124228	DDX27	chr20	+	47269291	47269485	no	
1403	3.02e-15	-3	ENSG00000063245	EPN1	chr19	+	60878404	60878613	no	
1404	3.37e-15	-3.88	ENSG00000001631	KRIT1	chr7	-	91666219	91668054	no	
1405	3.6e-15	-6.93	ENSG00000188229	TUBB2C	chr9	+	139255532	139255690	no	
1406	3.60e-15	-2.16	ENSG00000108179	PPIF	chr10	+	80783469	80785087	no	
1407	3.86e-15	-2.9	ENSG00000132906	CASP9	chr1	-	15723151	15723527	yes	JnId_h_856
1407	3.86e-15	-4.13	ENSG00000132906	CASP9	chr1	-	15689913	15693083	yes	JnId_h_852
1408	3.87e-15	-7.52	ENSG00000068400	GRIPAP1	chrX	-	48718263	48719791	no	
1408	3.87e-15	-2.84	ENSG00000068400	GRIPAP1	chrX	-	48716505	48716665	no	
1408	3.87e-15	-4.61	ENSG00000068400	GRIPAP1	chrX	-	48715078	48715641	no	
1408	3.87e-15	-4.42	ENSG00000074370	ATP2A3	chr17	-	3814217	3814485	no	
1408	3.87e-15	-2.24	ENSG00000074370	ATP2A3	chr17	-	3773918	3775484	no	
1410	3.9e-15	-2.03	ENSG00000149187	CUGBP1	chr11	-	47477581	47477732	no	
1410	3.9e-15	-2.47	ENSG00000149187	CUGBP1	chr11	-	47448459	47450230	yes	JnId_h_13355
1411	4.37e-15	-33.08	ENSG00000146833	TRIM4	chr7	-	99325973	99328305	no	
1412	4.5e-15	-3.62	ENSG00000089053	ANAPC5	chr12	-	120268025	120268417	yes	JnId_h_20533
1412	4.5e-15	-3.22	ENSG00000089053	ANAPC5	chr12	-	120230544	120230877	no	
1413	4.54e-15	-2.21	ENSG00000166123	GPT2	chr16	+	45520320	45522699	no	
1414	4.69e-15	-4.13	ENSG00000101040	ZMYND8	chr20	-	45299482	45301289	no	
1415	4.72e-15	-2.06	ENSG00000111790	FGFR1OP2	chr12	+	27008796	27010124	no	
1416	5.01e-15	-2.12	ENSG00000144224	UBXD2	chr2	+	136222307	136222409	no	
1416	5.01e-15	-2.14	ENSG00000144224	UBXD2	chr2	+	136228199	136228317	no	
1416	5.01e-15	-2.16	ENSG00000144224	UBXD2	chr2	+	136256789	136259093	no	
1417	5.78e-15	-3.85	ENSG00000117399	CDC20	chr1	+	43597199	43597264	no	
1417	5.78e-15	-2.52	ENSG00000117399	CDC20	chr1	+	43597271	43597654	no	
1417	5.78e-15	-3.02	ENSG00000117399	CDC20	chr1	+	43597983	43598079	no	
1418	6.1e-15	-4.64	ENSG00000142168	SOD1	chr21	+	31962655	31963001	no	
1419	6.19e-15	-2.42	ENSG00000061936	SFRS8	chr12	+	130849921	130850235	no	
1420	6.34e-15	-6.97	ENSG00000132434	LANCL2	chr7	+	55466413	55468929	no	
1421	6.48e-15	-2.21	ENSG00000131653	TRAF7	chr16	+	2163184	2163401	yes	JnId_b_22689
1421	6.48e-15	-4.03	ENSG00000131653	TRAF7	chr16	+	2163483	2163556	yes	JnId_b_22689
1421	6.48e-15	-3.55	ENSG00000131653	TRAF7	chr16	+	2166562	2168130	no	
1422	7.01e-15	-3.68	ENSG00000124831	LRRFIP1	chr2	+	238265661	238265903	yes	JnId_b_39923
1422	7.01e-15	-11.76	ENSG00000124831	LRRFIP1	chr2	+	238345463	238345580	no	
1423	7.24e-15	-3.71	ENSG00000102879	CORO1A	chr16	+	30102427	30102547	yes	JnId_b_23938
1424	7.4e-15	-3.32	ENSG00000058600	POLR3E	chr16	+	22216231	22216359	no	
1424	7.4e-15	-2.65	ENSG00000058600	POLR3E	chr16	+	22252466	22253265	no	
1425	7.4e-15	-2.26	ENSG00000161013	MGAT4B	chr5	-	179161390	179162481	no	
1426	7.59e-15	-5.2	ENSG00000136828	RALGPS1	chr9	+	129020840	129025264	no	
1427	8.19e-15	-3.57	ENSG00000086598	TMED2	chr12	+	122647105	122648634	no	
1428	8.57e-15	-2.41	ENSG00000138768	Q86TB8	chr4	+	76953383	76954388	no	
1429	8.84e-15	-2.42	ENSG00000004961	HCCS	chrX	+	11049653	11051119	no	
1430	8.89e-15	-4.75	ENSG00000075151	EIF4G3	chr1	-	21092191	21092716	no	
1430	8.89e-15	-2.61	ENSG00000075151	EIF4G3	chr1	-	21016472	21016618	no	
1430	8.89e-15	-4.22	ENSG00000075151	EIF4G3	chr1	-	21005563	21006580	yes	JnId_h_1233
1431	9.02e-15	-2.73	ENSG00000105819	PMPCB	chr7	+	102732094	102732173	no	
1431	9.02e-15	-2.07	ENSG00000105819	PMPCB	chr7	+	102735279	102735391	no	
1431	9.02e-15	-3.57	ENSG00000105819	PMPCB	chr7	+	102739491	102739579	no	
1431	9.02e-15	-5.61	ENSG00000105819	PMPCB	chr7	+	102739739	102739814	no	
1431	9.02e-15	-9.56	ENSG00000105819	PMPCB	chr7	+	102739890	102740242	no	
1432	9.15e-15	-2.55	ENSG00000125247	TMTC4	chr13	-	100124999	100125171	no	
1432	9.15e-15	-3.97	ENSG00000125247	TMTC4	chr13	-	100054189	100055397	no	
1433	9.42e-15	-3.12	ENSG00000099899	HTF9C_HUMAN	chr22	-	18484406	18484768	yes	JnId_h_53402
1433	9.42e-15	-5.95	ENSG00000099899	HTF9C_HUMAN	chr22	-	18479398	18480317	no	
1434	1.02e-14	-4.74	ENSG00000068878	PSME4	chr2	-	53950017	53951601	no	
1434	1.02e-14	-2.72	ENSG00000068878	PSME4	chr2	-	53945075	53946214	no	

1434	1.02e-14	-9.27	ENSG00000168924	LETM1	chr4	-	1827394	1827772	no			
1434	1.02e-14	-6.48	ENSG00000168924	LETM1	chr4	-	1783004	1786098	no			
1434	1.02e-14	-2.36	ENSG00000182541	LIMK2	chr22	+	29974348	29974755	yes	JnId_b_43361		
1434	1.02e-14	-3	ENSG00000182541	LIMK2	chr22	+	30002775	30003624	yes	JnId_h_54101		
1437	1.07e-14	-2.58	ENSG00000132153	DHX30	chr3	+	47866361	47866686	yes	JnId_h_56782		
1438	1.09e-14	-2.35	ENSG00000135213	POM121	chr7	-	74884007	74886112	no			
1438	1.09e-14	-2.75	ENSG00000124802	EEF1E1	chr6	-	8024629	8025262	no			
1440	1.13e-14	-2.24	ENSG00000185344	ATP6V0A2	chr12	+	122808427	122810394	no			
1441	1.21e-14	-2.18	ENSG00000102858	MGRN1	chr16	+	4676261	4680975	yes	JnId_h_29257		
1442	1.25e-14	-2.35	ENSG00000169180	XPO6	chr16	-	28096042	28096154	no			
1443	1.27e-14	-3.76	ENSG00000136560	TANK	chr2	+	161800099	161800928	no			
1444	1.27e-14	-2.09	ENSG00000175203	DCTN2	chr12	-	56212065	56212156	no			
1445	1.28e-14	-6.9	ENSG00000117676	RPS6KA1	chr1	+	26728836	26729061	no			
1445	1.28e-14	-3.71	ENSG00000117676	RPS6KA1	chr1	+	26744920	26745113	yes	JnId_h_1621		
1445	1.28e-14	-2.9	ENSG00000117676	RPS6KA1	chr1	+	26773157	26774108	no			
1446	1.42e-14	-2.31	ENSG00000197217	ENTPD4	chr8	-	23353207	23353373	no			
1446	1.42e-14	-3.46	ENSG00000197217	ENTPD4	chr8	-	23342610	23346612	no			
1447	1.43e-14	-3.14	ENSG00000105618	PRPF31	chr19	+	59326550	59326952	no			
1448	1.48e-14	-3.85	ENSG00000054611	TBC1D22A	chr22	+	45947805	45948393	no			
1449	1.48e-14	-2.39	ENSG00000108953	YWHAE	chr17	-	1194558	1195543	no			
1450	1.61e-14	-4.67	ENSG00000038210	PI4K2B	chr4	+	24887734	24889812	no			
1451	1.64e-14	-2.16	ENSG00000109111	SUPT6H	chr17	+	24052584	24053375	no			
1452	1.80e-14	-3.73	ENSG00000171132	PRKCE	chr2	+	46265378	46268632	no			
1453	2.00e-14	-4.59	ENSG00000145740	SLC30A5	chr5	+	68461030	68462648	no			
1454	2.02e-14	-2.74	ENSG00000105402	NAPA	chr19	-	52709912	52710309	yes	JnId_h_43253		
1455	2.03e-14	-5.31	ENSG00000100722	ZC3H14	chr14	+	88147842	88149605	no			
1456	2.07e-14	-8.99	ENSG00000006607	FARP2	chr2	+	242082096	242082928	no			
1457	2.08e-14	-6.64	ENSG00000123485	Q9NSL8	chr2	-	234410225	234411037	no			
1458	2.12e-14	-10.15	ENSG00000135446	CDK4	chr12	-	56432225	56432431	yes	JnId_b_14685		
1458	2.12e-14	-2.06	ENSG00000135446	CDK4	chr12	-	56430706	56430815	yes	JnId_h_18797		
1458	2.12e-14	-8.15	ENSG00000135446	CDK4	chr12	-	56428272	56428667	"yes	JnId_h_18794;JnId_h_18795"		
1459	2.12e-14	-3	ENSG00000163872	YEATS2	chr3	+	184898300	184898475	no			
1459	2.12e-14	-3.36	ENSG00000163872	YEATS2	chr3	+	185003738	185003817	"yes	JnId_b_47895;JnId_b_47904"		
1459	2.12e-14	-2.68	ENSG00000163872	YEATS2	chr3	+	185010957	185013102	no			
1460	2.21e-14	-2.51	ENSG00000067704	IARS2	chr1	+	218342094	218342242	no			
1460	2.21e-14	-3.18	ENSG00000067704	IARS2	chr1	+	218387458	218388003	no			
1461	2.24e-14	-3.35	ENSG00000115866	DARS	chr2	-	136380724	136381447	no			
1462	2.25e-14	-3.79	ENSG00000142945	KIF2C	chr1	+	45005356	45006026	no			
1463	2.29e-14	-2.27	ENSG00000171148	TADA3L	chr3	-	9808900	9809431	no			
1463	2.29e-14	-2.97	ENSG00000171148	TADA3L	chr3	-	9799812	9800897	no			
1464	2.31e-14	-2.27	ENSG00000113441	LNPEP	chr5	+	96296924	96297634	no			
1465	2.42e-14	-3.9	ENSG00000149357	C11orf59	chr11	-	71491877	71492081	no			
1466	2.46e-14	-2.36	ENSG00000101367	MAPRE1	chr20	+	30900139	30901872	no			
1467	2.67e-14	-4.5	ENSG00000065615	CYB5R4	chr6	+	84726262	84726865	no			
1468	2.75e-14	-5.2	ENSG00000127337	YEATS4	chr12	+	68070194	68070842	no			
1469	3.00E-14	-3.75	ENSG00000118260	CREB1	chr2	+	208169883	208171806	no			
1470	3.03e-14	-2.1	ENSG00000146386	C6orf115	chr6	+	139396985	139397406	no			
1471	3.16e-14	-2.68	ENSG00000173418	NAT5	chr20	+	19961746	19962550	no			
1472	3.33e-14	-3.17	ENSG00000130939	UBE4B	chr1	+	10085593	10085737	yes	JnId_h_547		
1472	3.33e-14	-2.52	ENSG00000130939	UBE4B	chr1	+	10141001	10141127	yes	JnId_b_462		
1472	3.33e-14	-4.88	ENSG00000130939	UBE4B	chr1	+	10162540	10163884	yes	JnId_b_469		
1473	3.48e-14	-5.68	ENSG00000134851	TMEM165	chr4	+	55986300	55987099	no			
1474	3.57e-14	-8.67	ENSG00000125868	DSTN	chr20	+	17535682	17536887	no			
1475	3.58e-14	-5.89	ENSG00000083223	ZCCHC6	chr9	-	88141614	88142273	no			
1475	3.58e-14	-3.46	ENSG00000083223	ZCCHC6	chr9	-	88092468	88093479	no			
1476	3.62e-14	-3.95	ENSG00000073111	MCM2	chr3	+	128823196	128823964	yes	JnId_h_58883		
1477	3.62e-14	-2.38	ENSG00000158850	B4GALT3	chr1	-	159407724	159408503	no			
1478	3.67e-14	-2.39	ENSG00000106615	RHEB	chr7	-	150794032	150795230	no			
1479	3.83e-14	-2.41	ENSG00000117408	IPO13	chr1	+	44204198	44204900	no			
1480	3.84e-14	-5.54	ENSG00000105983	LMBR1	chr7	-	156166332	156169618	no			
1481	3.87e-14	-9.08	ENSG00000116685	KIAA2013	chr1	-	11902235	11902976	no			
1482	3.87e-14	-2.81	ENSG00000105486	LIG1	chr19	-	53316239	53316391	no			
1482	3.87e-14	-3.26	ENSG00000105486	LIG1	chr19	-	53310515	53310801	no			
1483	3.89e-14	-2.8	ENSG00000103423	DNAJA3	chr16	+	4444813	4444929	yes	JnId_h_29222		

1484	3.89e-14	-2.58	ENSG00000166266	CUL5	chr11	+	107480127	107483676	no	
1485	3.92e-14	-3.11	ENSG00000176102	CSTF3	chr11	-	33062713	33063411	no	
1486	4.59e-14	-2.67	ENSG00000139180	NDUFA9	chr12	+	4666365	4666934	no	
1487	4.61e-14	-5.09	ENSG00000160439	RDH13	chr19	-	60266148	60267013	yes	JnId_b_35439
1487	4.61e-14	-4.34	ENSG00000160439	RDH13	chr19	-	60247523	60248489	no	
1488	4.71e-14	-5.89	ENSG0000023516	AKAP11	chr13	+	41781546	41782992	no	
1489	4.93e-14	-2.36	ENSG00000124243	BCAS4	chr20	+	48844838	48845117	no	
1490	4.94e-14	-13.9	ENSG00000197747	S100A10	chr1	-	150232852	150233490	no	
1491	5.00E-14	-3.35	ENSG00000072042	RDH11	chr14	-	67213274	67214893	no	
1492	5.04e-14	-3.26	ENSG00000129084	PSMA1	chr11	-	14482999	14483370	no	
1493	5.22e-14	-2.96	ENSG00000140044	O95430	chr14	+	75005746	75006908	no	
1494	5.58e-14	-2.84	ENSG00000163125	KIAA0460	chr1	+	148680023	148680723	no	
1495	5.79e-14	-3.56	ENSG00000013374	NUB1	chr7	+	150695880	150695987	no	
1495	5.79e-14	-3.02	ENSG00000013374	NUB1	chr7	+	150703867	150703962	no	
1495	5.79e-14	-2.02	ENSG00000013374	NUB1	chr7	+	150705066	150706463	no	
1496	5.84e-14	-4.88	ENSG00000136104	RNASEH2B	chr13	+	50428495	50428867	yes	JnId_h_21914
1497	5.88e-14	-2.11	ENSG00000091140	DLD	chr7	+	107346875	107347645	no	
1498	6.09e-14	-2	ENSG00000104885	DOT1L	chr19	+	2161399	2161509	no	
1498	6.09e-14	-2.67	ENSG00000104885	DOT1L	chr19	+	2164538	2164639	no	
1498	6.09e-14	-8.5	ENSG00000104885	DOT1L	chr19	+	2178736	2179346	no	
1499	6.1e-14	-2.2	ENSG00000073921	PICALM	chr11	-	85346134	85347751	yes	JnId_h_15426
1500	6.55e-14	-2.84	ENSG00000181222	POLR2A	chr17	+	7328422	7328900	no	
1500	6.55e-14	-2.69	ENSG00000181222	POLR2A	chr17	+	7339984	7340116	no	
1500	6.55e-14	-3.1	ENSG00000181222	POLR2A	chr17	+	7345332	7345426	yes	JnId_h_33082
1500	6.55e-14	-2.48	ENSG00000181222	POLR2A	chr17	+	7345569	7345772	yes	JnId_h_33082
1501	6.68e-14	-2.69	ENSG00000159110	IFNAR2	chr21	+	33556736	33559839	yes	JnId_b_42122
1502	7.07e-14	-2.01	ENSG00000198901	PRC1	chr15	-	89338641	89338808	no	
1502	7.07e-14	-4.54	ENSG00000198901	PRC1	chr15	-	89310279	89311436	yes	JnId_h_28106
1503	7.53e-14	-9.96	ENSG00000120837	NFYB	chr12	-	103034988	103037677	no	
1504	7.55e-14	-5.18	ENSG00000141741	C17orf37	chr17	-	35140186	35140566	no	
1505	7.57e-14	-3.44	ENSG00000106460	TMEM106B	chr7	+	12237988	12243410	no	
1506	7.63e-14	-2.12	ENSG00000167552	TUBA1A	chr12	-	47864847	47866040	no	
1507	7.72e-14	-3.96	ENSG00000104774	MAN2B1	chr19	-	12638357	12638828	no	
1507	7.72e-14	-2.45	ENSG00000104774	MAN2B1	chr19	-	12621727	12621828	no	
1507	7.72e-14	-4.18	ENSG00000104774	MAN2B1	chr19	-	12618322	12618546	no	
1508	8.22e-14	-3.35	ENSG00000058091	PFTK1	chr7	+	90674416	90677840	no	
1509	8.53e-14	-4.04	ENSG00000154144	TBRG1	chr11	+	124007199	124010497	no	
1510	9.12e-14	-5.8	ENSG00000104154	SLC30A4	chr15	-	43561974	43564807	no	
1511	9.15e-14	-5.08	ENSG00000137714	FDX1	chr11	+	109838288	109840814	no	
1512	9.32e-14	-4.79	ENSG00000196839	ADA	chr20	-	42713630	42713797	no	
1512	9.32e-14	-5.03	ENSG00000196839	ADA	chr20	-	42698282	42698343	no	
1512	9.32e-14	-2.63	ENSG00000196839	ADA	chr20	-	42682354	42682456	no	
1512	9.32e-14	-5.27	ENSG00000196839	ADA	chr20	-	42681577	42681902	no	
1513	1.02e-13	-3.35	ENSG00000166037	CEP57	chr11	+	95203838	95205502	no	
1514	1.03e-13	-5.06	ENSG00000198171	C20orf116	chr20	-	3118996	3119465	no	
1515	1.05e-13	-3.04	ENSG00000011523	CEP68	chr2	+	65164277	65167618	no	
1516	1.10e-13	-2.59	ENSG00000183520	UTP11L	chr1	+	38261804	38263083	no	
1517	1.1e-13	-6.88	ENSG00000123178	C13orf1	chr13	-	49384843	49387297	no	
1518	1.11e-13	-2.23	ENSG00000010810	FYN	chr6	-	112128000	112128164	no	
1518	1.11e-13	-2.6	ENSG00000010810	FYN	chr6	-	112088228	112089843	no	
1519	1.18e-13	-2.69	ENSG00000196352	CD55	chr1	+	205561476	205561833	no	
1520	1.25e-13	-3.18	ENSG00000034713	GABARAPL2	chr16	+	74168678	74169279	no	
1521	1.30e-13	-9.72	ENSG00000133114	KIAA1704	chr13	+	44487567	44487731	no	
1522	1.32e-13	-2.41	ENSG00000102743	SLC25A15	chr13	+	40281679	40282287	no	
1523	1.32e-13	-10.85	ENSG00000124523	SIRT5	chr6	+	13712687	13713950	yes	JnId_h_67087
1523	1.32e-13	-5.77	ENSG00000124523	SIRT5	chr6	+	13720001	13720503	no	
1524	1.34e-13	-2.16	ENSG00000197070	ARRDC1	chr9	+	139629347	139629630	no	
1525	1.40e-13	-6.77	ENSG00000154127	STS1_HUMAN	chr11	+	122185667	122190390	no	
1526	1.41e-13	-12.39	ENSG00000120053	GOT1	chr10	-	101146648	101147433	no	
1527	1.45e-13	-3.08	ENSG00000136982	Q969N5	chr8	-	120915398	120916422	no	
1528	1.51e-13	-2.25	ENSG00000185619	PCGF3	chr4	+	749820	754428	no	
1529	1.57e-13	-9.42	ENSG00000126005	ITGB4BP	chr20	-	33335943	33336202	no	
1529	1.57e-13	-2.59	ENSG00000126005	ITGB4BP	chr20	-	33335393	33335932	yes	JnId_h_50903
1530	1.60e-13	-2.22	ENSG00000128585	MKLN1	chr7	+	130822906	130831930	yes	JnId_h_73531

1531	1.62e-13	-2.05	ENSG00000197142	ACSL5	chr10	+	114166636	114166770	no	
1531	1.62e-13	-3.56	ENSG00000197142	ACSL5	chr10	+	114176966	114178128	no	
1532	1.71e-13	-2.87	ENSG00000149809	TM7SF2	chr11	+	64636543	64636854	no	
1533	1.77e-13	-2.3	ENSG00000165802	NELF	chr9	-	139473305	139473607	no	
1533	1.77e-13	-2.29	ENSG00000165802	NELF	chr9	-	139466738	139468093	"yes,JnId_h_80346;JnId_h_80347;JnId_h_80347;JnId_h_80348;JnId_h_80348;JnId_h_80350;JnI	
1534	1.89e-13	-3.48	ENSG00000155313	USP25	chr21	+	16172493	16174248	no	
1535	1.95e-13	-2.19	ENSG00000109118	PHF12	chr17	-	24302039	24302634	no	
1535	1.95e-13	-2.68	ENSG00000109118	PHF12	chr17	-	24260720	24261513	no	
1536	2.02e-13	-2.69	ENSG00000114107	CEP70	chr3	-	139706827	139706997	no	
1536	2.02e-13	-9.74	ENSG00000114107	CEP70	chr3	-	139695879	139696608	no	
1537	2.17e-13	-2.19	ENSG00000123562	MORF4L2	chrX	-	102829573	102829705	no	
1538	2.18e-13	-2.01	ENSG00000111445	RFC5	chr12	+	116953370	116954421	no	
1539	2.21e-13	-4.77	ENSG00000108061	SHOC2	chr10	+	112761358	112763415	no	
1540	2.26e-13	-3.82	ENSG00000163618	CADPS	chr3	-	62359062	62360300	yes,JnId_b_46489	
1541	2.27e-13	-2.13	ENSG00000051180	RAD51	chr15	+	38810545	38811646	no	
1542	2.36e-13	-2.56	ENSG00000185697	MYBL1	chr8	-	67639486	67639614	no	
1543	2.38e-13	-4.01	ENSG00000059573	ALDH18A1	chr10	-	97406344	97406557	yes,JnId_h_10617	
1543	2.38e-13	-2.01	ENSG00000059573	ALDH18A1	chr10	-	97382706	97382796	yes,JnId_h_10602	
1543	2.38e-13	-2.65	ENSG00000059573	ALDH18A1	chr10	-	97355677	97356690	yes,JnId_h_10600	
1544	2.43e-13	-2.33	ENSG00000164053	TREX1	chr3	+	48481890	48482712	no	
1545	2.43e-13	-7.18	ENSG00000011426	ANLN	chr7	+	36458611	36459923	no	
1546	2.47e-13	-2.95	ENSG00000148688	RPP30	chr10	+	92650307	92651928	no	
1547	2.5e-13	-2.45	ENSG00000157450	RNF111	chr15	+	57174274	57176541	no	
1548	2.51e-13	-2.07	ENSG00000165272	AQP3	chr9	-	33437421	33437609	no	
1549	2.55e-13	-2.36	ENSG00000101158	TH1L	chr20	+	56989706	56989819	no	
1549	2.55e-13	-4.01	ENSG00000101158	TH1L	chr20	+	56997364	56998090	yes,JnId_h_51852	
1549	2.55e-13	-2.87	ENSG00000101158	TH1L	chr20	+	57003092	57003583	yes,JnId_h_51862	
1550	2.58e-13	-3.59	ENSG00000198791	CNOT7	chr8	-	17131108	17132728	no	
1551	2.79e-13	-4.18	ENSG00000140374	ETFA	chr15	-	74295646	74295993	no	
1552	2.85e-13	-3.22	ENSG00000066697	TMEFF1	chr9	+	102252660	102253814	no	
1553	2.9e-13	-2.09	ENSG00000166451	CENPN	chr16	+	79597604	79598383	no	
1553	2.9e-13	-2.56	ENSG00000166451	CENPN	chr16	+	79619675	79620428	no	
1554	2.91e-13	-6.29	ENSG00000178104	PDE4DIP	chr1	-	143601949	143603946	no	
1555	2.91e-13	-3.69	ENSG00000137944	CCBL2	chr1	-	89217727	89222337	yes,JnId_h_4145	
1556	2.99e-13	-3.08	ENSG00000115541	HSPE1	chr2	+	198076178	198076349	no	
1557	3.04e-13	-2.84	ENSG00000136279	DBNL	chr7	+	44056349	44056404	no	
1557	3.04e-13	-2.46	ENSG00000136279	DBNL	chr7	+	44065002	44065107	no	
1557	3.04e-13	-2.33	ENSG00000136279	DBNL	chr7	+	44066901	44067761	no	
1558	3.18e-13	-2.19	ENSG00000083896	YTHDC1	chr4	-	68881621	68881710	yes,JnId_h_61608	
1558	3.18e-13	-2.71	ENSG00000083896	YTHDC1	chr4	-	68861633	68862636	no	
1559	3.33e-13	-5.11	ENSG00000108100	CCNY	chr10	+	35897988	35900858	no	
1560	3.46e-13	-4.23	ENSG00000117118	SDHB	chr1	-	17253030	17253252	no	
1560	3.46e-13	-7.1	ENSG00000117118	SDHB	chr1	-	17217804	17218040	no	
1561	3.55e-13	-2.16	ENSG00000055130	CUL1	chr7	+	148088358	148088521	yes,JnId_h_73856	
1562	3.61e-13	-3.33	ENSG00000092201	SUPT16H	chr14	-	20921861	20922265	no	
1563	3.72e-13	-3.39	ENSG00000115307	AUP1	chr2	-	74607284	74607471	no	
1564	3.74e-13	-3.36	ENSG00000188690	UROS	chr10	-	127485709	127486046	no	
1564	3.74e-13	-6.46	ENSG00000188690	UROS	chr10	-	127480616	127481583	yes,JnId_h_11735	
1565	3.83e-13	-2.22	ENSG00000125812	GZF1	chr20	+	23298728	23301700	no	
1566	4.21e-13	-6.8	ENSG00000103653	CSK	chr15	+	72861489	72861568	no	
1566	4.21e-13	-2.19	ENSG00000103653	CSK	chr15	+	72881391	72881477	no	
1567	4.22e-13	-2.03	ENSG00000168906	MAT2A	chr2	+	85623535	85623668	no	
1568	4.45e-13	-3.05	ENSG00000137166	FOXP4	chr6	+	41622142	41622583	yes,JnId_h_68256	
1568	4.45e-13	-2.98	ENSG00000137166	FOXP4	chr6	+	41674505	41678100	no	
1569	4.49e-13	-2.35	ENSG00000054118	THRAP3	chr1	+	36530786	36530897	no	
1570	4.57e-13	-2.43	ENSG00000122687	FTSJ2	chr7	-	2244176	2245098	"yes,JnId_h_70925;JnId_h_70926"	
1571	4.93e-13	-3.76	ENSG00000132912	DCTN4	chr5	-	150068503	150071117	no	
1571	4.93e-13	-2.25	ENSG00000166598	HSP90B1	chr12	+	102865541	102865809	no	
1573	4.96e-13	-3.27	ENSG00000182872	RBM10	chrX	+	46930408	46930514	no	
1573	4.96e-13	-3.91	ENSG00000182872	RBM10	chrX	+	46930817	46931154	no	
1574	5.14e-13	-6.53	ENSG00000185591	SP1	chr12	+	52089413	52089612	no	
1574	5.14e-13	-5.45	ENSG00000185591	SP1	chr12	+	52090978	52096488	no	
1575	5.42e-13	-8.57	ENSG00000035499	DEPDC1B	chr5	-	59928496	59929498	no	
1576	5.44e-13	-2.68	ENSG00000092148	HECTD1	chr14	-	30639075	30640024	no	

1577	5.46e-13	-2.29	ENSG00000105700	C19orf50	chr19	+	18529598	18529724	no
1578	5.72e-13	-7.26	ENSG00000112493	TAPBP	chr6	-	33389760	33390142	no
1579	5.87e-13	-3.91	ENSG00000090316	MAEA	chr4	+	1322862	1323924	no
1580	5.87e-13	-2.65	ENSG00000120159	C9orf82	chr9	-	26830683	26832645	no
1581	6.17e-13	-5.46	ENSG00000100906	NFKBIA	chr14	-	34940475	34941017	no
1582	6.33e-13	-32.29	ENSG00000116171	SCP2	chr1	+	53288869	53289870	no
1583	6.55e-13	-5.14	ENSG00000115207	GTF3C2	chr2	-	27432458	27432863	"yes,JnId_h_44886;JnId_h_44888"
1584	6.6e-13	-4.43	ENSG00000131401	NAPSB	chr19	-	55528856	55529170	no
1585	6.88e-13	-2.15	ENSG00000100243	CYB5R3	chr22	-	41375245	41375349	no
1586	6.98e-13	-2.15	ENSG00000125755	SYMPK	chr19	-	51011580	51011675	no
1586	6.98e-13	-3.72	ENSG00000125755	SYMPK	chr19	-	51010546	51010795	no
1587	7.08e-13	-2.98	ENSG00000113141	IK	chr5	+	140021389	140021477	yes,JnId_h_65623
1588	7.17e-13	-2.97	ENSG00000101361	NOL5A	chr20	+	2585286	2585541	yes,JnId_b_40200
1588	7.17e-13	-5.95	ENSG00000101361	NOL5A	chr20	+	2586575	2587039	no
1589	7.35e-13	-4.12	ENSG00000057252	SOAT1	chr1	+	177589343	177594438	no
1590	7.41e-13	-3.96	ENSG00000197912	SPG7	chr16	+	88130674	88131629	no
1591	7.82e-13	-4.53	ENSG00000184047	DIABLO	chr12	-	121276465	121277153	no
1592	7.83e-13	-2.9	ENSG00000148908	RGS10	chr10	-	121249330	121249761	no
1593	7.96e-13	-5	ENSG00000059758	PCTK2	chr12	-	95196171	95198188	no
1594	8.04e-13	-13.08	ENSG00000125952	MAX	chr14	-	64611675	64614507	"yes,JnId_h_24155;JnId_h_24156;JnId_h_24156"
1595	8.32e-13	-2.45	ENSG00000111581	NUP107	chr12	+	67415278	67415391	no
1595	8.32e-13	-3.2	ENSG00000111581	NUP107	chr12	+	67421860	67422027	no
1596	8.32e-13	-2.93	ENSG00000168610	STAT3	chr17	-	37718869	37721344	no
1597	8.47e-13	-6.33	ENSG00000172590	MRPL52	chr14	+	22373221	22374079	no
1598	8.88e-13	-55.83	ENSG00000135404	CD63	chr12	-	54406172	54406312	no
1599	8.9e-13	-2.36	ENSG00000107833	NPM3	chr10	-	103531072	103531379	no
1600	9.57e-13	-2.47	ENSG00000167962	ZNF598	chr16	-	1999629	1999745	no
1600	9.57e-13	-2.23	ENSG00000167962	ZNF598	chr16	-	1987769	1988587	no
1601	9.75e-13	-2.07	ENSG00000198836	OPA1	chr3	+	194855345	194855510	no
1601	9.75e-13	-3.91	ENSG00000198836	OPA1	chr3	+	194895089	194898009	no
1602	9.78e-13	-2.63	ENSG00000104312	RIPK2	chr8	+	90844194	90844347	yes,JnId_h_75728
1602	9.78e-13	-2.35	ENSG00000104312	RIPK2	chr8	+	90870690	90870851	no
1602	9.78e-13	-7.23	ENSG00000104312	RIPK2	chr8	+	90871448	90872432	no
1603	1.02e-12	-2.72	ENSG00000161791	FMNL3	chr12	-	48317991	48325953	no
1604	1.04e-12	-3.24	ENSG00000125450	NUP85	chr17	+	70713192	70713484	no
1604	1.04e-12	-3.18	ENSG00000125450	NUP85	chr17	+	70743268	70743449	no
1605	1.05e-12	-3.55	ENSG00000177189	RPS6KA3	chrX	-	20077950	20083559	no
1606	1.05e-12	-4.33	ENSG00000119787	ARL6IP2	chr2	-	38375526	38377236	no
1607	1.06e-12	-2.09	ENSG00000151500	THYN1	chr11	-	133627944	133628470	yes,JnId_h_16604
1607	1.06e-12	-2.99	ENSG00000151500	THYN1	chr11	-	133623383	133623588	no
1608	1.06e-12	-2	ENSG00000105771	C19orf61	chr19	-	48927148	48927666	no
1609	1.07e-12	-2.31	ENSG00000099331	MYO9B	chr19	+	17117207	17117301	no
1610	1.08e-12	-3.35	ENSG00000148840	PPRC1	chr10	+	103899673	103900078	no
1611	1.08e-12	-4.04	ENSG00000168374	ARF4	chr3	-	57532145	57533065	no
1612	1.08e-12	-7.22	ENSG00000204619	PPP1R11	chr6	+	30143962	30144454	no
1613	1.08e-12	-2.06	ENSG00000160818	GPATCH4	chr1	-	154834216	154834537	yes,JnId_h_6059
1614	1.11e-12	-3.07	ENSG00000043143	PHF15	chr5	+	133889272	133889600	no
1615	1.17e-12	-14.48	ENSG00000164109	MAD2L1	chr4	-	121200029	121200893	no
1616	1.22e-12	-2.46	ENSG00000105810	CDK6	chr7	-	92072175	92082536	no
1617	1.22e-12	-6.26	ENSG00000105409	ATP1A3	chr19	-	47190063	47190222	no
1617	1.22e-12	-4.44	ENSG00000105409	ATP1A3	chr19	-	47184468	47184554	no
1617	1.22e-12	-2.38	ENSG00000105409	ATP1A3	chr19	-	47183928	47184131	no
1617	1.22e-12	-5.31	ENSG00000105409	ATP1A3	chr19	-	47182108	47182221	no
1617	1.22e-12	-3.28	ENSG00000105409	ATP1A3	chr19	-	47162578	47162957	no
1618	1.24e-12	-5.36	ENSG00000108021	C10orf18	chr10	+	5844998	5845709	no
1619	1.38e-12	-5.03	ENSG00000075420	FNDC3B	chr3	+	173597648	173601181	no
1620	1.47e-12	-19.29	ENSG00000164244	PPRC1	chr5	+	126915298	126918671	no
1621	1.50e-12	-4.52	ENSG00000070061	IKBKAP	chr9	-	110669618	110671283	no
1622	1.67e-12	-2.97	ENSG00000154222	CC2D1B	chr1	-	52588855	52591907	yes,JnId_h_3248
1623	1.68e-12	-2.58	ENSG00000181555	SETD2	chr3	-	47133117	47133248	no
1623	1.68e-12	-2.69	ENSG00000181555	SETD2	chr3	-	47032926	47033748	no
1624	1.75e-12	-2.13	ENSG00000183337	BCOR	chrX	-	39841412	39841602	no
1624	1.75e-12	-3.83	ENSG00000183337	BCOR	chrX	-	39795443	39796597	no
1625	1.77e-12	-5.79	ENSG00000142892	PIGK	chr1	-	77327263	77330763	no

1626	1.77e-12	-2.21	ENSG00000135597	REPS1	chr6	-	139271498	139271646	no	
1626	1.77e-12	-6.01	ENSG00000135597	REPS1	chr6	-	139267314	139267962	no	
1627	1.80e-12	-3.09	ENSG00000154370	TRIM11	chr1	-	226649858	226651371	no	
1628	1.81e-12	-3.06	ENSG00000112701	SENP6	chr6	+	76481821	76483649	no	
1629	1.96e-12	-2.42	ENSG00000099875	MKNK2	chr19	-	2002095	2002233	no	
1630	2.03e-12	-3.31	ENSG00000131697	NPHP4	chr1	-	5850383	5851022	no	
1630	2.03e-12	-5.55	ENSG00000131697	NPHP4	chr1	-	5845457	5849105	no	
1631	2.10e-12	-3.29	ENSG00000142166	IFNAR1	chr21	+	33649492	33654038	no	
1632	2.11e-12	-2.15	ENSG00000173120	FBXL11	chr11	+	66743335	66743450	no	
1632	2.11e-12	-2.35	ENSG00000173120	FBXL11	chr11	+	66755613	66756007	no	
1633	2.12e-12	-4.98	ENSG00000182827	ACBD3	chr1	-	224399003	224401145	no	
1634	2.13e-12	-2.03	ENSG00000169910	ASL	chr7	+	65195190	65195756	no	
1635	2.22e-12	-11.26	ENSG00000099381	SETD1A	chr16	+	30876116	30876786	yes	JnId_h_30366
1636	2.49e-12	-2.04	ENSG00000029363	BCLAF1	chr6	-	136642594	136642707	no	
1636	2.49e-12	-3.98	ENSG00000029363	BCLAF1	chr6	-	136621419	136623946	no	
1637	2.54e-12	-4.76	ENSG00000131143	COX4I1	chr16	+	84390697	84390859	yes	JnId_b_25449
1638	2.56e-12	-3.01	ENSG00000107372	ZFAND5	chr9	-	74159194	74160837	no	
1639	2.61e-12	-3.12	ENSG00000166888	STAT6	chr12	-	55791179	55791428	no	
1639	2.61e-12	-2.6	ENSG00000166888	STAT6	chr12	-	55786743	55786881	no	
1639	2.61e-12	-2.1	ENSG00000166888	STAT6	chr12	-	55775462	55776811	no	
1640	2.73e-12	-2.26	ENSG00000148700	ADD3	chr10	+	111883074	111885313	yes	JnId_h_11291
1641	2.76e-12	-2.07	ENSG00000182473	EXOC7	chr17	-	71598005	71598157	yes	JnId_h_37159
1642	2.81e-12	-5.06	ENSG00000103249	CLCN7	chr16	-	1464836	1465582	no	
1643	2.85e-12	-27.26	ENSG00000077458	FAM76B	chr11	-	95141765	95144462	no	
1644	2.86e-12	-2.22	ENSG00000174442	ZWILCH	chr15	+	64584509	64584783	no	
1645	2.94e-12	-2.02	ENSG00000138777	PPA2	chr4	-	106509684	106510359	no	
1646	2.95e-12	-3.19	ENSG00000198887	SMC5	chr9	+	72154850	72155029	no	
1646	2.95e-12	-3.11	ENSG00000198887	SMC5	chr9	+	72156927	72159624	no	
1647	3.00E-12	-2.73	ENSG00000133935	C14orf1	chr14	-	75196871	75197277	no	
1648	3.07e-12	-2.85	ENSG00000119392	GLE1L	chr9	+	130306792	130307004	yes	JnId_b_63618
1648	3.07e-12	-2.47	ENSG00000119392	GLE1L	chr9	+	130343202	130344398	no	
1649	3.08e-12	-4.06	ENSG00000173113	TR112_HUMAN	chr11	-	63840743	63841016	no	
1650	3.13e-12	-4.81	ENSG00000111859	NEDD9	chr6	-	11291517	11293890	no	
1651	3.27e-12	-5.53	ENSG00000143442	POGZ	chr1	-	149698252	149698565	no	
1651	3.27e-12	-3.24	ENSG00000143442	POGZ	chr1	-	149650725	149650898	no	
1651	3.27e-12	-3.01	ENSG00000143442	POGZ	chr1	-	149641824	149645564	yes	JnId_h_5383
1652	3.3e-12	-2.39	ENSG00000116871	MAP7D1	chr1	+	36394153	36394651	no	
1652	3.3e-12	-3.56	ENSG00000116871	MAP7D1	chr1	+	36413086	36413196	yes	JnId_h_2266
1652	3.3e-12	-4.11	ENSG00000116871	MAP7D1	chr1	+	36418436	36419037	no	
1653	3.59e-12	-4.8	ENSG00000138867	C22orf13	chr22	-	23280917	23281275	yes	JnId_h_53733
1654	3.69e-12	-2.77	ENSG00000166260	COX11	chr17	-	50393479	50395275	no	
1655	3.69e-12	-6.99	ENSG00000112699	GMDS	chr6	-	1875336	1876232	no	
1656	3.88e-12	-4.67	ENSG00000073464	CLCN4	chrX	+	10161534	10165700	no	
1657	3.88e-12	-2.25	ENSG00000070950	RAD18	chr3	-	8893760	8898143	no	
1658	3.89e-12	-3.04	ENSG00000198837	DENND4B	chr1	-	152185397	152185796	no	
1659	3.90e-12	-2.38	ENSG00000129691	ASH2L	chr8	+	38112343	38112441	no	
1659	3.90e-12	-3.97	ENSG00000129691	ASH2L	chr8	+	38115639	38116351	no	
1660	4.1e-12	-5.49	ENSG00000065183	WDR3	chr1	+	118303438	118304572	no	
1661	4.12e-12	-3.38	ENSG00000162889	MAPKAPK2	chr1	+	204972006	204974251	no	
1661	4.12e-12	-3.23	ENSG00000103591	Q6AWA0	chr15	-	65280425	65282290	no	
1663	4.33e-12	-2.41	ENSG00000165629	ATP5C1	chr10	+	7879016	7879147	no	
1663	4.33e-12	-6.41	ENSG00000165629	ATP5C1	chr10	+	7889628	7889784	no	
1664	4.41e-12	-5.18	ENSG00000112584	FAM120B	chr6	+	170555776	170558078	no	
1665	4.46e-12	-10.02	ENSG00000142687	KIAA0319L	chr1	-	35676730	35679326	no	
1666	4.94e-12	-148.81	ENSG00000065600	C1orf75	chr1	-	210603896	210605341	no	
1667	5.1e-12	-14.52	ENSG00000137343	C6orf134	chr6	+	30702600	30703030	no	
1667	5.1e-12	-10.21	ENSG00000137343	C6orf134	chr6	+	30718524	30720435	no	
1667	5.1e-12	-12.58	ENSG00000137343	C6orf134	chr6	+	30721823	30722582	yes	JnId_h_67438
1668	5.36e-12	-2.44	ENSG00000141101	NOB1	chr16	-	68346252	68346344	no	
1668	5.36e-12	-3.91	ENSG00000141101	NOB1	chr16	-	68333276	68334005	no	
1669	5.48e-12	-4.13	ENSG00000139182	CLSTN3	chr12	+	7176249	7177009	no	
1670	5.58e-12	-4.06	ENSG00000182979	MTA1	chr14	+	105007447	105008050	no	
1671	5.86e-12	-2.74	ENSG00000113360	RNASEN	chr5	-	31458651	31458808	no	
1672	5.92e-12	-3.68	ENSG00000077044	DGKD	chr2	+	233927892	233928059	no	

1672	5.92e-12	-2.71	ENSG00000077044	DGKD	chr2	+	234025349	234025445	no
1672	5.92e-12	-2.76	ENSG00000077044	DGKD	chr2	+	234030606	234030713	no
1672	5.92e-12	-2.01	ENSG00000077044	DGKD	chr2	+	234042756	234045482	no
1673	5.95e-12	-265.68	ENSG00000135778	C1orf57	chr1	+	231180532	231181171	yes,JnId_h_8246
1674	5.97e-12	-12.01	ENSG00000131495	NDUFA2	chr5	-	140005143	140005447	no
1675	6.49e-12	-2.88	ENSG00000153113	CAST	chr5	+	96134100	96136143	no
1676	7.02e-12	-2.1	ENSG00000136699	SMPD4	chr2	-	130625452	130626927	no
1677	7.26e-12	-2.97	ENSG00000156471	PTDSS1	chr8	+	97354703	97354794	no
1678	7.34e-12	-8.03	ENSG00000020129	NCDN	chr1	+	35795661	35796411	yes,JnId_h_2198
1679	7.37e-12	-3.81	ENSG00000125885	MCM8	chr20	+	5879298	5879723	no
1679	7.37e-12	-3.15	ENSG00000125885	MCM8	chr20	+	5922945	5923852	no
1680	7.74e-12	-4.26	ENSG00000089022	MAPKAPK5	chr12	+	110805768	110805955	yes,JnId_b_15600
1680	7.74e-12	-3.68	ENSG00000089022	MAPKAPK5	chr12	+	110811072	110811193	no
1680	7.74e-12	-6.01	ENSG00000089022	MAPKAPK5	chr12	+	110815154	110815543	no
1681	8.11e-12	-3.51	ENSG00000063601	MTMR1	chrX	+	149654601	149655910	no
1682	8.29e-12	-2.58	ENSG00000196504	PRPF40A	chr2	-	153236033	153236141	no
1683	8.34e-12	-2.14	ENSG00000137642	SORL1	chr11	+	120896576	120896768	no
1683	8.34e-12	-2.03	ENSG00000137642	SORL1	chr11	+	120919467	120919645	no
1683	8.34e-12	-2.36	ENSG00000137642	SORL1	chr11	+	120925879	120926007	no
1684	8.5e-12	-4.54	ENSG00000134910	STT3A	chr11	+	124989192	124989308	no
1684	8.5e-12	-8.77	ENSG00000134910	STT3A	chr11	+	124995877	124996478	no
1685	8.65e-12	-2.94	ENSG00000143013	LMO4	chr1	+	87566739	87567515	no
1685	8.65e-12	-5.79	ENSG00000143013	LMO4	chr1	+	87583059	87585376	no
1686	8.66e-12	-4.04	ENSG00000112312	GMNN	chr6	+	24892651	24892761	no
1686	8.66e-12	-10.06	ENSG00000112312	GMNN	chr6	+	24893845	24894306	no
1687	8.67e-12	-3.54	ENSG00000104763	ASAHL	chr8	-	17958214	17959412	no
1688	8.98e-12	-2.23	ENSG00000149923	PPP4C	chr16	+	30003755	30004193	no
1689	9.04e-12	-4.63	ENSG00000148672	GLUDP5	chr10	-	88800223	88801607	no
1690	9.1e-12	-2.15	ENSG00000125827	TXNDC13	chr20	-	7948085	7948476	no
1690	9.1e-12	-3.31	ENSG00000125827	TXNDC13	chr20	-	7906024	7911268	no
1691	9.26e-12	-6.31	ENSG00000117155	SSX2IP	chr1	-	84881978	84885878	no
1692	9.74e-12	-5.44	ENSG00000147231	CXorf57	chrX	+	105808014	105809328	no
1693	9.9e-12	-2.09	ENSG00000124151	NCOA3	chr20	+	45684378	45684481	no
1694	1.02e-11	-2.21	ENSG00000103194	USP10	chr16	+	83359300	83359465	no
1694	1.02e-11	-3.87	ENSG00000103194	USP10	chr16	+	83370002	83371026	no
1695	1.03e-11	-2.65	ENSG00000156261	CCT8	chr21	-	29350518	29350744	no
1696	1.05e-11	-2.18	ENSG00000157637	Q6ZRC5	chr17	-	76859313	76859419	no
1696	1.05e-11	-2.76	ENSG00000157637	Q6ZRC5	chr17	-	76839592	76840007	no
1697	1.05e-11	-2.74	ENSG00000101752	MIB1	chr18	+	17649575	17649772	no
1697	1.05e-11	-2.15	ENSG00000101752	MIB1	chr18	+	17698485	17704912	no
1698	1.05e-11	-6.86	ENSG00000161939	C17orf49	chr17	+	6858188	6859199	yes,JnId_h_32940
1699	1.11e-11	-8.41	ENSG00000157540	DYRK1A	chr21	+	37713077	37714556	yes,JnId_b_42238
1700	1.14e-11	-5.69	ENSG00000114796	KLHL24	chr3	+	184879568	184884996	no
1701	1.19e-11	-2.39	ENSG00000107854	TNKS2	chr10	+	93612674	93615013	no
1702	1.22e-11	-5.31	ENSG00000101132	PFDN4	chr20	+	52268965	52269899	no
1702	1.22e-11	-2.53	ENSG00000101745	ANKRD12	chr18	+	9270939	9273757	no
1704	1.24e-11	-19.37	ENSG00000172057	ORMDL3	chr17	-	35330822	35332464	no
1705	1.28e-11	-2.08	ENSG00000084090	STARD7	chr2	-	96214334	96216379	no
1706	1.33e-11	-2.82	ENSG00000181991	MRPS11	chr15	+	86822107	86823219	no
1707	1.33e-11	-3.84	ENSG00000054148	PHPT1	chr9	+	138862255	138862556	no
1708	1.35e-11	-2.45	ENSG00000160796	NBEAL2	chr3	+	47005163	47005251	no
1708	1.35e-11	-2.12	ENSG00000160796	NBEAL2	chr3	+	47006005	47006087	no
1708	1.35e-11	-2.5	ENSG00000160796	NBEAL2	chr3	+	47023560	47023649	"yes,JnId_b_45504;JnId_b_45539"
1708	1.35e-11	-3.44	ENSG00000160796	NBEAL2	chr3	+	47025713	47026042	yes,JnId_b_45546
1709	1.38e-11	-2.72	ENSG00000105568	PPP2R1A	chr19	+	57385046	57385239	no
1710	1.40e-11	-2.83	ENSG00000105953	OGDH	chr7	+	44612696	44612777	no
1710	1.40e-11	-3.99	ENSG00000105953	OGDH	chr7	+	44653781	44653883	no
1710	1.40e-11	-2.77	ENSG00000105953	OGDH	chr7	+	44702149	44702251	no
1710	1.40e-11	-2.19	ENSG00000105953	OGDH	chr7	+	44702553	44702681	no
1710	1.40e-11	-3.12	ENSG00000105953	OGDH	chr7	+	44714003	44715193	no
1711	1.42e-11	-2.82	ENSG00000118046	STK11	chr19	+	1178592	1179434	no
1712	1.44e-11	-3.87	ENSG00000124767	GLO1	chr6	-	38751697	38753137	no
1713	1.45e-11	-2.52	ENSG00000071553	ATP6AP1	chrX	+	153310178	153310393	no
1713	1.45e-11	-2.19	ENSG00000071553	ATP6AP1	chrX	+	153317222	153318056	no

1714	1.47e-11	-3.99	ENSG00000068028	RASSF1	chr3	-	50342221	50343162	no
1715	1.47e-11	-2.67	ENSG00000164543	STK17A	chr7	+	43629833	43630012	no
1715	1.47e-11	-2.29	ENSG00000164543	STK17A	chr7	+	43630642	43632247	no
1716	1.50e-11	-9	ENSG00000018189	RUFY3	chr4	+	71875806	71878137	no
1716	1.50e-11	-3.69	ENSG00000018189	RUFY3	chr4	+	71891097	71891789	no
1717	1.51e-11	-2.04	ENSG00000109458	GAB1	chr4	+	144609634	144610728	no
1718	1.59e-11	-2.64	ENSG00000118513	MYB	chr6	+	135580695	135582004	no
1719	1.62e-11	-2.51	ENSG00000178982	EIF3S12	chr19	+	43819369	43819433	no
1720	1.62e-11	-4.67	ENSG00000143324	XPR1	chr1	+	179119765	179126010	no
1721	1.73e-11	-2.29	ENSG00000167258	CRKRS	chr17	+	34911029	34911218	yes,JnId_h_34718
1721	1.73e-11	-4.46	ENSG00000167258	CRKRS	chr17	+	34940383	34942044	yes,JnId_h_34726
1722	1.84e-11	-3.5	ENSG00000178057	C3orf60	chr3	+	49035493	49035926	no
1723	1.86e-11	-2.94	ENSG00000168653	NDUFS5	chr1	+	39272651	39272895	no
1724	1.93e-11	-2.23	ENSG00000121022	COPS5	chr8	-	68126019	68126130	yes,JnId_b_60532
1725	2.03e-11	-16.51	ENSG00000023909	GCLM	chr1	-	94123349	94127303	no
1726	2.05e-11	-2.14	ENSG00000197694	SPTAN1	chr9	+	130370872	130370997	yes,JnId_h_79348
1726	2.05e-11	-2.16	ENSG00000197694	SPTAN1	chr9	+	130377299	130377445	yes,JnId_h_79348
1726	2.05e-11	-2.65	ENSG00000197694	SPTAN1	chr9	+	130423258	130423356	"yes,JnId_h_79392;JnId_h_79395;JnId_h_79396"
1727	2.1e-11	-5.33	ENSG00000101911	PRPS2	chrX	+	12738062	12738409	no
1727	2.1e-11	-2.58	ENSG00000101911	PRPS2	chrX	+	12750744	12752262	no
1728	2.14e-11	-4.26	ENSG00000141140	MYOHD1	chr17	-	31964701	31965376	no
1728	2.14e-11	-2.07	ENSG00000141140	MYOHD1	chr17	-	31929032	31929117	no
1729	2.18e-11	-9.56	ENSG00000131013	PPIL4	chr6	-	149867324	149868533	no
1730	2.36e-11	-2.36	ENSG00000163399	ATP1A1	chr1	+	116732276	116732389	no
1731	2.38e-11	-5.78	ENSG00000172660	TAF15	chr17	+	31198023	31198350	no
1731	2.38e-11	-6.94	ENSG00000065268	WDR18	chr19	+	945212	945569	no
1733	2.42e-11	-2.06	ENSG00000198648	STK39	chr2	-	168811980	168812191	no
1733	2.42e-11	-4.38	ENSG00000198648	STK39	chr2	-	168518777	168520326	no
1734	2.46e-11	-2.66	ENSG00000100983	GSS	chr20	-	32979898	32980415	no
1735	2.53e-11	-3.52	ENSG00000155827	RNF20	chr9	+	103364349	103365447	no
1736	2.56e-11	-2.02	ENSG00000113272	THG1L	chr5	+	157099825	157100488	no
1737	2.87e-11	-2.65	ENSG00000146729	GBAS	chr7	+	56034195	56035365	no
1738	3.04e-11	-2.13	ENSG00000142046	TMEM91	chr19	+	46595544	46595680	yes,JnId_b_34283
1739	3.18e-11	-3.66	ENSG00000105438	KDELR1	chr19	-	53577639	53578396	no
1740	3.34e-11	-2.43	ENSG00000166848	TERF2IP	chr16	+	74247606	74248830	no
1741	3.38e-11	-6.34	ENSG00000107371	EXOSC3	chr9	-	37770308	37770877	no
1742	3.44e-11	-3.99	ENSG00000110066	SUV420H1	chr11	-	67680083	67683214	no
1743	3.47e-11	-3.13	ENSG00000196092	PAX5	chr9	-	37023983	37024476	no
1744	3.53e-11	-12.71	ENSG00000144645	OSBPL10	chr3	-	31997986	31998242	no
1744	3.53e-11	-6.48	ENSG00000144645	OSBPL10	chr3	-	31997395	31997799	no
1744	3.53e-11	-3.4	ENSG00000144645	OSBPL10	chr3	-	31892929	31893008	no
1744	3.53e-11	-5.82	ENSG00000144645	OSBPL10	chr3	-	31677324	31678612	no
1745	3.64e-11	-8.88	ENSG00000198646	NCOA6	chr20	-	32766239	32766830	no
1746	3.66e-11	-2.27	ENSG00000101017	CD40	chr20	+	44190025	44190270	no
1746	3.66e-11	-2.2	ENSG00000101017	CD40	chr20	+	44190928	44191909	no
1747	3.84e-11	-3.46	ENSG00000157014	TATDN2	chr3	+	10295905	10297900	no
1748	3.84e-11	-2.19	ENSG00000136930	PSMB7	chr9	-	126155566	126155809	no
1749	3.94e-11	-3.2	ENSG00000115355	KIAA1212	chr2	-	55368482	55371804	no
1750	4.18e-11	-3.25	ENSG00000138029	HADHB	chr2	+	26366290	26366840	no
1751	4.2e-11	-2.48	ENSG00000155561	NUP205	chr7	+	134980756	134980884	no
1751	4.2e-11	-3.13	ENSG00000155561	NUP205	chr7	+	134983692	134984029	no
1752	4.2e-11	-2.41	ENSG00000156110	ADK	chr10	+	75606450	75606650	yes,JnId_h_10100
1752	4.2e-11	-3.8	ENSG00000156110	ADK	chr10	+	76138085	76139067	no
1753	4.21e-11	-2.04	ENSG00000181789	COPG	chr3	+	130451143	130451279	yes,JnId_h_58978
1753	4.21e-11	-2.7	ENSG00000181789	COPG	chr3	+	130476371	130476509	no
1753	4.21e-11	-3.17	ENSG00000181789	COPG	chr3	+	130478827	130479304	no
1754	4.26e-11	-2.97	ENSG00000117868	FAM62B	chr7	-	158216450	158219704	no
1755	4.28e-11	-2.44	ENSG00000122008	POLK	chr5	+	74929515	74932725	no
1756	4.7e-11	-2.82	ENSG00000118454	ANKRD13C	chr1	-	70498859	70501118	no
1757	4.85e-11	-2.62	ENSG00000081087	OSTM1	chr6	-	108469306	108472737	no
1758	4.87e-11	-2.68	ENSG00000189159	HN1	chr17	-	70642938	70643940	no
1759	4.94e-11	-4.76	ENSG00000108798	ABI3	chr17	+	44642588	44643202	no
1759	4.94e-11	-2.47	ENSG00000108798	ABI3	chr17	+	44654452	44654586	yes,JnId_b_28504
1759	4.94e-11	-2.02	ENSG00000108798	ABI3	chr17	+	44654913	44655586	yes,JnId_b_28504

1760	5.09e-11	-2.97	ENSG00000198399	ITSN2	chr2	-	24279237	24280156	no
1761	5.09e-11	-4.44	ENSG00000130997	POLN	chr4	-	2199894 2203685	no	
1762	5.41e-11	-3.58	ENSG00000185009	AP3M1	chr10	-	75580519	75580827	yes,JnId_b_7461
1763	5.84e-11	-2.67	ENSG00000101343	CRNKL1	chr20	-	19980936	19981402	no
1763	5.84e-11	-3.71	ENSG00000101343	CRNKL1	chr20	-	19963012	19965006	no
1764	5.89e-11	-2.45	ENSG00000122218	COPA	chr1	-	158525687	158526630	no
1765	6.1e-11	-2.56	ENSG00000106682	EIF4H	chr7	+	73242513	73242572	no
1766	6.14e-11	-4.39	ENSG00000104969	SGTA	chr19	-	2734231 2734354	no	
1767	6.24e-11	-7.84	ENSG00000182196	ARL6IP4	chr12	+	122033120	122033407	no
1768	6.43e-11	-6.88	ENSG00000133997	MED6	chr14	-	70120059	70121413	no
1769	7.41e-11	-6.04	ENSG00000128595	CALU	chr7	+	128181819	128182012	yes,JnId_h_73372
1770	7.63e-11	-3.62	ENSG00000163930	BAP1	chr3	-	52418898	52419058	no
1770	7.63e-11	-2.52	ENSG00000163930	BAP1	chr3	-	52411658	52411730	no
1770	7.63e-11	-3	ENSG00000163930	BAP1	chr3	-	52410069	52411477	no
1771	7.69e-11	-6.78	ENSG00000169189	NSMCE1	chr16	-	27143817	27144058	no
1772	7.89e-11	-2.6	ENSG00000139687	RB1	chr13	+	47952135	47954123	no
1773	7.9e-11	-13.53	ENSG00000164402	8-Sep	chr5	-	132119596	132122598	no
1774	8.09e-11	-2.27	ENSG00000108055	SMC3	chr10	+	112351714	112351926	no
1775	8.12e-11	-2.17	ENSG00000091127	PUS7	chr7	-	104896020	104896146	no
1775	8.12e-11	-3.05	ENSG00000091127	PUS7	chr7	-	104884194	104885609	no
1776	8.38e-11	-2.58	ENSG00000072506	HSD17B10	chrX	-	53474931	53475267	no
1777	8.63e-11	-4.28	ENSG00000131238	PPT1	chr1	-	40335374	40335962	no
1778	8.67e-11	-2.06	ENSG00000141499	WDR79	chr17	+	7530723 7533122	yes,JnId_h_33165	
1779	8.99e-11	-7.42	ENSG00000198131	ZNF544	chr19	+	63464029	63467270	no
1780	9.18e-11	-2.77	ENSG00000115128	Q53TM1	chr2	-	24143958	24144225	no
1781	9.96e-11	-23.36	ENSG00000146540	Q9BRJ6	chr7	-	1133419 1133548	no	
1782	1.01e-10	-3.41	ENSG00000146007	ZMAT2	chr5	+	140065382	140066423	no
1783	1.02e-10	-4.2	ENSG00000167114	SLC27A4	chr9	+	130142661	130142938	no
1783	1.02e-10	-3.93	ENSG00000167114	SLC27A4	chr9	+	130162434	130163322	no
1784	1.1e-10	-2.1	ENSG00000136573	BLK	chr8	+	11388919	11389509	yes,JnId_b_59597
1785	1.16e-10	-3.94	ENSG00000130703	OSBPL2	chr20	+	60302236	60304664	no
1786	1.17e-10	-2.74	ENSG00000130935	NOL11	chr17	+	63170321	63170772	no
1787	1.22e-10	-5.19	ENSG00000174106	LEMD3	chr12	+	63926209	63928374	no
1788	1.23e-10	-2.14	ENSG00000114331	CENTB2	chr3	-	196497726	196497910	no
1788	1.23e-10	-2.74	ENSG00000114331	CENTB2	chr3	-	196476768	196481446	no
1789	1.35e-10	-2.75	ENSG00000159579	RSPRY1	chr16	+	55830292	55831887	no
1790	1.37e-10	-3.3	ENSG00000086102	NFX1	chr9	+	33337661	33338360	no
1790	1.37e-10	-4.07	ENSG00000086102	NFX1	chr9	+	33359904	33361155	no
1791	1.43e-10	-2.88	ENSG00000104064	GABPB2	chr15	-	48365371	48365672	no
1791	1.43e-10	-3.23	ENSG00000104064	GABPB2	chr15	-	48356681	48358273	no
1792	1.49e-10	-4.49	ENSG00000111845	PAK1IP1	chr6	+	10802914	10803288	no
1792	1.49e-10	-4.37	ENSG00000111845	PAK1IP1	chr6	+	10817457	10818001	no
1793	1.51e-10	-3.44	ENSG00000105053	VRK3	chr19	-	55189883	55189988	no
1794	1.53e-10	-5.68	ENSG00000111906	HDCC2	chr6	-	125638195	125639088	no
1795	1.67e-10	-2.08	ENSG00000072803	FBXW11	chr5	-	171270181	171270406	no
1795	1.67e-10	-2.82	ENSG00000072803	FBXW11	chr5	-	171221161	171223710	no
1796	1.69e-10	-4.73	ENSG00000065427	KARS	chr16	-	74235682	74235861	yes,JnId_h_31727
1797	1.71e-10	-4.21	ENSG00000131462	TUBG1	chr17	+	38020040	38020201	no
1798	1.72e-10	-2.74	ENSG00000134899	ERCC5	chr13	+	102315069	102316732	yes,JnId_b_17783
1799	1.83e-10	-2.06	ENSG00000182307	C8orf33	chr8	+	146250208	146252219	no
1800	1.84e-10	-2.36	ENSG00000012061	ERCC1	chr19	-	50618879	50619017	no
1800	1.84e-10	-2.42	ENSG00000012061	ERCC1	chr19	-	50618368	50618642	yes,JnId_h_43043
1800	1.84e-10	-2.68	ENSG00000012061	ERCC1	chr19	-	50608533	50608843	yes,JnId_h_43035
1801	1.85e-10	-2.32	ENSG00000197265	GTF2E2	chr8	-	30555422	30556096	no
1802	1.9e-10	-4.9	ENSG00000164466	SFXN1	chr5	+	174886247	174888290	no
1803	1.96e-10	-3.01	ENSG00000110619	CARS	chr11	-	3025559 3025808	yes,JnId_b_9118	
1803	1.96e-10	-2.02	ENSG00000110619	CARS	chr11	-	2978736 2979054	no	
1804	1.97e-10	-3.81	ENSG00000180353	HCLS1	chr3	-	122833638	122833721	no
1804	1.97e-10	-4.02	ENSG00000180353	HCLS1	chr3	-	122832937	122833519	no
1805	1.99e-10	-2.35	ENSG00000086712	CXorf15	chrX	+	16769472	16772563	no
1806	2.09e-10	-2.49	ENSG00000107897	ACBD5	chr10	-	27524152	27526377	no
1807	2.15e-10	-6.09	ENSG00000133641	C12orf29	chr12	+	86966142	86968067	no
1808	2.18e-10	-6.63	ENSG00000171206	TRIM8	chr10	+	104394243	104394938	no
1808	2.18e-10	-3.77	ENSG00000171206	TRIM8	chr10	+	104406494	104408154	no

1809	2.20e-10	-2.08	ENSG00000111875	ASF1A	chr6	+	119270266	119272105	no
1810	2.22e-10	-2.47	ENSG00000131467	PSME3	chr17	+	38240058	38240120	yes,JnId_h_35207
1811	2.30e-10	-2.33	ENSG00000119383	PPP2R4	chr9	+	130949487	130951046	no
1812	2.3e-10	-4.45	ENSG00000105656	ELL	chr19	-	18493731	18493918	no
1812	2.3e-10	-6.06	ENSG00000105656	ELL	chr19	-	18414475	18416678	no
1813	2.36e-10	-2.32	ENSG00000121281	ADCY7	chr16	+	48906771	48909536	no
1814	2.38e-10	-3.15	ENSG00000176142	TMEM39A	chr3	-	120631041	120633751	no
1815	2.42e-10	-7.1	ENSG00000173226	IQCB1	chr3	-	122971300	122972111	no
1816	2.49e-10	-3.45	ENSG00000188986	A2BFA3	chr9	+	139269580	139269884	no
1816	2.49e-10	-5.03	ENSG00000188986	A2BFA3	chr9	+	139287055	139287819	no
1817	2.67e-10	-5.21	ENSG00000134996	OSTF1	chr9	+	76951419	76952001	no
1818	2.73e-10	-4.5	ENSG00000100889	PCK2	chr14	+	23633323	23633483	no
1818	2.73e-10	-2.51	ENSG00000100889	PCK2	chr14	+	23642559	23643179	yes,JnId_h_23107
1819	2.88e-10	-7.05	ENSG00000131584	CENTB5	chr1	-	1229329	1231172	no
1820	2.90e-10	-3.22	ENSG00000156521	TYSND1	chr10	-	71567743	71569903	no
1821	2.90e-10	-3.05	ENSG00000105404	RABAC1	chr19	-	47152675	47152926	yes,JnId_b_34345
1822	2.95e-10	-4.82	ENSG00000122299	ZC3H7A	chr16	-	11751957	11752863	no
1823	3,00E-10	-3.17	ENSG00000070882	OSBPL3	chr7	-	24986030	24986285	no
1823	3,00E-10	-6.38	ENSG00000070882	OSBPL3	chr7	-	24802691	24806423	no
1824	3.08e-10	-2.15	ENSG00000146834	BCDIN3	chr7	+	99869061	99869676	no
1825	3.19e-10	-2.45	ENSG00000198492	YTHDF2	chr1	+	28968028	28968874	no
1826	3.30e-10	-3.23	ENSG00000130811	EIF3S4	chr19	-	10087155	10087261	no
1827	3.31e-10	-2.38	ENSG00000110697	PITPNM1	chr11	-	67023770	67023877	"yes,JnId_b_11406;JnId_b_11412"
1827	3.31e-10	-2.55	ENSG00000110697	PITPNM1	chr11	-	67015815	67016343	no
1827	3.31e-10	-2.64	ENSG00000059122	FLYWCH1	chr16	+	2924883	2926879	yes,JnId_h_29056
1829	3.39e-10	-8.95	ENSG00000158793	NIT1	chr1	+	159360555	159361859	no
1830	3.45e-10	-4.15	ENSG00000166949	SMAD3	chr15	+	65269805	65274586	no
1831	3.46e-10	-3.29	ENSG00000069966	GNB5	chr15	-	50220629	50220761	no
1831	3.46e-10	-3.22	ENSG00000069966	GNB5	chr15	-	50200415	50202257	no
1832	3.51e-10	-4.13	ENSG00000109390	NDUFC1	chr4	-	140430542	140430696	no
1833	3.55e-10	-3.76	ENSG00000198792	C22orf5	chr22	-	36998836	36998962	no
1833	3.55e-10	-2.59	ENSG00000198792	C22orf5	chr22	-	36945244	36947663	no
1834	3.59e-10	-2.45	ENSG00000116001	TIA1	chr2	-	70297040	70297135	no
1834	3.59e-10	-3.98	ENSG00000116001	TIA1	chr2	-	70292320	70293481	no
1835	3.77e-10	-6.86	ENSG00000129534	C14orf106	chr14	-	44742144	44743165	no
1836	3.83e-10	-7.98	ENSG00000143622	RIT1	chr1	-	154134223	154137033	no
1837	3.86e-10	-2.38	ENSG00000100029	PES1	chr22	-	29305124	29305290	yes,JnId_h_54018
1837	3.86e-10	-3.64	ENSG00000100029	PES1	chr22	-	29302613	29303116	no
1838	3.86e-10	-2.43	ENSG00000080189	SLC35C2	chr20	-	44411574	44412570	no
1839	3.89e-10	-3.64	ENSG00000053770	C14orf108	chr14	+	56825273	56826544	no
1840	4.02e-10	-2.3	ENSG00000140829	DHX38	chr16	+	70685116	70685451	no
1840	4.02e-10	-2.29	ENSG00000140829	DHX38	chr16	+	70699627	70699782	no
1840	4.02e-10	-2.77	ENSG00000140829	DHX38	chr16	+	70703813	70704311	yes,JnId_h_31620
1841	4.17e-10	-4.54	ENSG00000170085	C5orf25	chr5	+	175704792	175705594	no
1842	4.17e-10	-2.46	ENSG00000108788	MLX	chr17	+	37972616	37972872	yes,JnId_h_35132
1843	4.21e-10	-2.86	ENSG00000173511	VEGFB	chr11	+	63758842	63758941	no
1843	4.21e-10	-4.76	ENSG00000173511	VEGFB	chr11	+	63762404	63762834	no
1844	4.27e-10	-2.41	ENSG00000182446	NPLOC4	chr17	-	77142788	77143075	yes,JnId_b_29749
1845	4.36e-10	-5.29	ENSG00000144635	DYNC1LI1	chr3	-	32542473	32543404	no
1846	4.38e-10	-3.48	ENSG00000148337	CIZ1	chr9	-	129993532	129993689	yes,JnId_h_79239
1846	4.38e-10	-2.48	ENSG00000148337	CIZ1	chr9	-	129968165	129968506	no
1847	4.41e-10	-2.17	ENSG00000115761	NOL10	chr2	-	10747373	10747549	no
1847	4.41e-10	-6.96	ENSG00000115761	NOL10	chr2	-	10628343	10629767	no
1848	4.42e-10	-2.11	ENSG00000149084	HSD17B12	chr11	+	43833270	43834736	no
1849	4.51e-10	-3.38	ENSG00000126226	PCID2	chr13	-	112910339	112911026	yes,JnId_b_17867
1850	4.73e-10	-4.5	ENSG00000101557	USP14	chr18	+	170236	170339	no
1850	4.73e-10	-5.98	ENSG00000101557	USP14	chr18	+	200386	200493	no
1850	4.73e-10	-6.94	ENSG00000101557	USP14	chr18	+	201133	203739	no
1851	4.81e-10	-2.7	ENSG00000119285	HEATR1	chr1	-	234832748	234833299	no
1851	4.81e-10	-2.67	ENSG00000119285	HEATR1	chr1	-	234816164	234816375	no
1852	5,00E-10	-3.04	ENSG00000109762	SNX25	chr4	+	186521533	186522103	no
1853	5.15e-10	-5.29	ENSG00000080371	RAB21	chr12	+	70465578	70467417	no
1854	5.23e-10	-3.14	ENSG00000198793	FRAP1	chr1	-	11241892	11242067	no
1854	5.23e-10	-2.02	ENSG00000198793	FRAP1	chr1	-	11213569	11213698	no

1854	5.23e-10	-2.11	ENSG00000198793	FRAP1	chr1	-	11191952	11192102	yes,JnId_h_698
1854	5.23e-10	-2.72	ENSG00000198793	FRAP1	chr1	-	11113173	11114202	no
1854	5.23e-10	-2.03	ENSG00000198793	FRAP1	chr1	-	11089179	11090144	no
1855	5.23e-10	-2.65	ENSG00000158092	NCK1	chr3	+	138149791	138150657	no
1856	5.29e-10	-2.28	ENSG00000130560	UBAC1	chr9	-	137992692	137993047	no
1856	5.29e-10	-4.41	ENSG00000130560	UBAC1	chr9	-	137964636	137965182	no
1857	5.31e-10	-13.92	ENSG00000159596	TMEM69	chr1	+	45925473	45926534	no
1858	5.64e-10	-3.01	ENSG0000015285	WAS	chrX	+	48431993	48432399	no
1858	5.64e-10	-3.29	ENSG0000015285	WAS	chrX	+	48434442	48434762	no
1859	5.65e-10	-11.05	ENSG00000138709	LARP2	chr4	+	129350461	129351737	no
1860	5.65e-10	-6.41	ENSG00000131979	GCH1	chr14	-	54378476	54380611	no
1861	5.68e-10	-4.65	ENSG00000123131	PRDX4	chrX	+	23603028	23603500	no
1862	5.69e-10	-2.51	ENSG00000139620	C12orf41	chr12	-	47333452	47334225	no
1863	5.96e-10	-3.74	ENSG00000115271	GCA	chr2	+	162924973	162925875	no
1864	5.97e-10	-2.48	ENSG00000105287	PRKD2	chr19	-	51869417	51869832	no
1864	5.97e-10	-2.84	ENSG00000001084	GCLC	chr6	-	53517253	53517790	no
1864	5.97e-10	-7.12	ENSG00000001084	GCLC	chr6	-	53470098	53471724	no
1866	6,00E-10	-3.56	ENSG00000102081	FMR1	chrX	+	146837895	146840337	no
1867	6.14e-10	-3.59	ENSG00000138796	HADH	chr4	+	109174844	109175772	no
1868	6.19e-10	-3.57	ENSG00000115762	PLEKHB2	chr2	+	131578890	131579441	yes,JnId_b_38401
1869	6.59e-10	-5.8	ENSG00000135974	C2orf49	chr2	+	105328204	105331653	no
1870	6.7e-10	-11.26	ENSG00000135426	KIAA0748	chr12	-	53628069	53630441	no
1871	6.74e-10	-7.24	ENSG00000174485	DENND4A	chr15	-	63740596	63741379	no
1872	6.74e-10	-2.39	ENSG00000090661	LASS4	chr19	+	8180253	8180378	no
1872	6.74e-10	-3.29	ENSG00000090661	LASS4	chr19	+	8232814	8233302	no
1873	7.22e-10	-4.03	ENSG00000204856	C12orf24	chr12	+	109412207	109412553	no
1874	7.48e-10	-4.8	ENSG00000082515	MRPL22	chr5	+	154310574	154310691	yes,JnId_b_52744
1875	7.52e-10	-4.9	ENSG00000100429	HDAC10	chr22	-	49031530	49031941	no
1876	7.59e-10	-2.1	ENSG00000165704	HPRT1	chrX	+	133461726	133462364	yes,JnId_h_82663
1877	7.6e-10	-2.13	ENSG00000167106	FAM102A	chr9	-	129782092	129782633	yes,JnId_b_63522
1877	7.6e-10	-2.73	ENSG00000167106	FAM102A	chr9	-	129742679	129745337	no
1878	7.9e-10	-9.72	ENSG00000136868	SLC31A1	chr9	+	115062373	115066593	no
1879	7.98e-10	-3.68	ENSG00000122882	ECD	chr10	-	74563420	74564577	no
1880	8.07e-10	-3.5	ENSG00000114166	PCAF	chr3	+	20168828	20170887	no
1881	8.14e-10	-20.28	ENSG00000103111	MON1B	chr16	+	75782337	75782656	no
1881	8.14e-10	-7.57	ENSG00000103111	MON1B	chr16	+	75789506	75791042	no
1882	8.62e-10	-2.32	ENSG00000175221	THRAP5	chr19	-	844086	844218	no
1883	8.65e-10	-4.38	ENSG00000108786	HSD17B1	chr17	+	37954758	37958574	no
1884	8.97e-10	-5.47	ENSG00000139921	TXNDC1	chr14	+	50790809	50792509	no
1885	9,00E-10	-8.43	ENSG00000152942	RAD17	chr5	+	68702288	68702754	no
1885	9,00E-10	-4.5	ENSG00000152942	RAD17	chr5	+	68720617	68720728	no
1886	9.62e-10	-3.79	ENSG00000142327	RNPEPL1	chr2	+	241165689	241166814	no
1887	1.03e-09	-3.31	ENSG00000075914	EXOSC7	chr3	+	45028679	45029129	no
1888	1.09e-09	-2.94	ENSG00000170525	PFKFB3	chr10	+	6284835	6285305	no
1889	1.13e-09	-2.32	ENSG00000112679	DUSP22	chr6	+	237053	237560	no
1889	1.13e-09	-3.06	ENSG00000112679	DUSP22	chr6	+	295822	296347	no
1890	1.13e-09	-3.12	ENSG00000105835	PBEF1	chr7	-	105677892	105678875	no
1891	1.13e-09	-5.54	ENSG00000164329	PAPD4	chr5	+	79016778	79018227	no
1892	1.17e-09	-2.15	ENSG00000113522	RAD50	chr5	+	131981661	131981885	no
1893	1.17e-09	-2.61	ENSG00000138802	SEC24B	chr4	+	110680166	110681058	no
1894	1.19e-09	-3.27	ENSG00000078872	NFS1	chr20	-	33720024	33721021	no
1895	1.22e-09	-3.24	ENSG00000121211	MND1	chr4	+	154555353	154555693	no
1896	1.23e-09	-2.2	ENSG00000158636	C11orf30	chr11	+	75938644	75940234	no
1897	1.23e-09	-2.09	ENSG00000211450	C11orf31	chr11	+	57266911	57267459	no
1898	1.28e-09	-2.38	ENSG00000040275	CCDC99	chr5	+	168958554	168958741	no
1898	1.28e-09	-6	ENSG00000040275	CCDC99	chr5	+	168963642	168964357	no
1899	1.28e-09	-2.13	ENSG00000149503	INCENP	chr11	+	61648021	61648211	yes,JnId_b_10328
1899	1.28e-09	-4.13	ENSG00000149503	INCENP	chr11	+	61675810	61676372	yes,JnId_b_10347
1899	1.28e-09	-4.19	ENSG00000150977	Q969X0	chr12	-	122465541	122466421	no
1901	1.35e-09	-2.26	ENSG00000159147	DONSON	chr21	-	33877664	33877842	yes,JnId_h_52484
1901	1.35e-09	-3.67	ENSG00000159147	DONSON	chr21	-	33872081	33872620	no
1902	1.40e-09	-3.26	ENSG00000165494	PCF11	chr11	+	82573369	82574481	no
1903	1.44e-09	-2.01	ENSG00000101445	PPP1R16B	chr20	+	36964725	36964849	no
1904	1.55e-09	-3.91	ENSG00000121691	CAT	chr11	+	34449491	34450176	no

1905	1.55e-09	-8.69	ENSG00000148296	SURF6	chr9	-	135192697	135193056	no	
1906	1.57e-09	-2.37	ENSG00000164818	HEATR2	chr7	+	732864	733478	no	
1906	1.57e-09	-2.94	ENSG00000164818	HEATR2	chr7	+	781169	781325	no	
1906	1.57e-09	-3.64	ENSG00000164818	HEATR2	chr7	+	791680	792636	no	
1907	1.65e-09	-5.35	ENSG00000163166	IWS1	chr2	-	127954860	127955221	no	
1908	1.67e-09	-2.48	ENSG00000138081	FBXO11	chr2	-	47919502	47919646	yes	JnId_b_36730
1908	1.67e-09	-2.45	ENSG00000138081	FBXO11	chr2	-	47893877	47894020	no	
1908	1.67e-09	-4.03	ENSG00000138081	FBXO11	chr2	-	47887565	47888890	no	
1909	1.75e-09	-2.65	ENSG00000156958	GALK2	chr15	+	47407441	47409294	no	
1910	1.78e-09	-2.91	ENSG00000121680	PEX16	chr11	-	45895827	45896182	no	
1911	1.8e-09	-7.11	ENSG00000128578	FAM40B	chr7	+	128912656	128915473	no	
1912	1.80e-09	-4.21	ENSG00000125651	GTF2F1	chr19	-	6343995	6344184	no	
1912	1.80e-09	-4.24	ENSG00000125651	GTF2F1	chr19	-	6331915	6332053	no	
1912	1.80e-09	-11.52	ENSG00000125651	GTF2F1	chr19	-	6330746	6331496	no	
1913	1.84e-09	-2.73	ENSG00000204120	TNRC15	chr2	+	233429747	233431562	no	
1914	1.85e-09	-2.17	ENSG00000162735	PEX19	chr1	-	158519944	158520053	yes	JnId_b_4603
1914	1.85e-09	-6.25	ENSG00000162735	PEX19	chr1	-	158513223	158516048	no	
1915	1.88e-09	-3.91	ENSG00000068831	RASGRP2	chr11	-	64250959	64251179	no	
1916	1.88e-09	-5.07	ENSG00000056972	TRAF3IP2	chr6	-	111984350	111987447	no	
1917	1.91e-09	-2.94	ENSG00000139793	MBNL2	chr13	+	96672609	96672786	no	
1917	1.91e-09	-5.37	ENSG00000139793	MBNL2	chr13	+	96841577	96844375	no	
1918	1.96e-09	-7.5	ENSG00000124784	RIOK1	chr6	+	7362563	7363269	no	
1919	2.02e-09	-2.74	ENSG00000085224	ATRX	chrX	-	76647034	76650763	no	
1920	2.05e-09	-2.74	ENSG00000140262	TCF12	chr15	+	55365647	55368004	no	
1921	2.07e-09	-2.88	ENSG00000150776	C11orf57	chr11	+	111458399	111461082	yes	JnId_h_15822
1922	2.11e-09	-2.91	ENSG00000178802	MPI	chr15	+	72976906	72978827	yes	JnId_h_27416
1923	2.35e-09	-4.64	ENSG00000204576	PRR3	chr6	+	30632642	30633206	no	
1924	2.36e-09	-4.06	ENSG00000159592	GPBP1L1	chr1	-	45924671	45924868	"yes	JnId_h_3013;JnId_h_3012"
1925	2.37e-09	-3.67	ENSG00000010818	HIVEP2	chr6	-	143114297	143116761	no	
1926	2.39e-09	-2.58	ENSG00000198000	NOL8	chr9	-	94099461	94099989	no	
1927	2.56e-09	-3.42	ENSG00000147130	ZMYM3	chrX	-	70391043	70391721	yes	JnId_h_81723
1928	2.64e-09	-2.27	ENSG00000162980	ARL5A	chr2	-	152365726	152368084	no	
1929	2.68e-09	-4.15	ENSG00000115020	PIP5K3	chr2	+	208877815	208878514	no	
1929	2.68e-09	-2.92	ENSG00000115020	PIP5K3	chr2	+	208928159	208931720	no	
1930	2.69e-09	-2.33	ENSG00000132356	PRKAA1	chr5	-	40795239	40798881	no	
1931	2.71e-09	-2.14	ENSG00000149054	ZNF215	chr11	+	6933497	6935644	yes	JnId_b_9257
1932	2.72e-09	-2.83	ENSG00000204568	MRPS18B	chr6	+	30695249	30695745	"yes	JnId_h_67427;JnId_h_67428;JnId_h_67428"
1932	2.72e-09	-2.07	ENSG00000204568	MRPS18B	chr6	+	30701258	30702148	no	
1933	2.75e-09	-2.25	ENSG00000127084	FGD3	chr9	+	94777341	94777508	no	
1933	2.75e-09	-6.62	ENSG00000127084	FGD3	chr9	+	94834872	94836784	yes	JnId_b_62645
1933	2.75e-09	-3.75	ENSG00000127084	FGD3	chr9	+	94837441	94838339	no	
1934	2.77e-09	-3.99	ENSG00000103510	MYST1	chr16	+	31049568	31050206	yes	JnId_b_24173
1935	2.82e-09	-4.02	ENSG00000111229	ARPC3	chr12	-	109357090	109357405	no	
1936	2.84e-09	-8.53	ENSG00000067829	IDH3G	chrX	-	152704415	152705098	"yes	JnId_h_82919;JnId_h_82920;JnId_h_82920;JnId_h_82922"
1937	2.94e-09	-8.26	ENSG00000142684	ZNF593	chr1	+	26369653	26370390	no	
1938	3.07e-09	-4.37	ENSG00000038274	MAT2B	chr5	+	162877777	162878904	no	
1939	3.09e-09	-69.36	ENSG00000137404	NRM	chr6	-	30766598	30767037	no	
1940	3.15e-09	-2.11	ENSG00000132361	KIAA0664	chr17	-	2542405	2542526	no	
1940	3.15e-09	-2.71	ENSG00000132361	KIAA0664	chr17	-	2541653	2541726	no	
1940	3.15e-09	-2.99	ENSG00000132361	KIAA0664	chr17	-	2539432	2540821	no	
1941	3.16e-09	-2.12	ENSG00000148843	PDCD11	chr10	+	105195125	105196039	no	
1942	3.17e-09	-3	ENSG00000148606	POLR3A	chr10	-	79404913	79407390	no	
1943	3.2e-09	-2.77	ENSG00000103148	C16orf35	chr16	-	74273	74594	no	
1944	3.34e-09	-2.92	ENSG00000167615	LENG8	chr19	+	59659316	59659456	yes	JnId_h_43916
1945	3.35e-09	-4.6	ENSG00000198355	PIM3	chr22	+	48740165	48740684	yes	JnId_h_55139
1946	3.51e-09	-2.07	ENSG00000105127	AKAP8	chr19	-	15325341	15327181	no	
1947	3.56e-09	-4.14	ENSG00000116691	ANKRD38	chr1	+	12014366	12014693	no	
1948	3.57e-09	-7.43	ENSG00000105663	WBP7_HUMAN	chr19	+	40900761	40901123	no	
1948	3.57e-09	-3.04	ENSG00000105663	WBP7_HUMAN	chr19	+	40906474	40906748	no	
1949	3.66e-09	-2.89	ENSG00000104853	CLPTM1	chr19	+	50150477	50150564	no	
1950	3.69e-09	-3.26	ENSG00000168288	C2orf25	chr2	-	150140471	150140601	no	
1950	3.69e-09	-2.48	ENSG00000168288	C2orf25	chr2	-	150134401	150134928	no	
1951	3.73e-09	-2.26	ENSG00000197498	BXDC1	chr6	+	111412902	111413034	no	
1951	3.73e-09	-4.38	ENSG00000197498	BXDC1	chr6	+	111453299	111453996	no	

1952	3.79e-09	-3.44	ENSG00000155229	MMS19L	chr10	-	99248020	99248162	no	
1952	3.79e-09	-4.04	ENSG00000155229	MMS19L	chr10	-	99208071	99208466	no	
1953	3.83e-09	-4.42	ENSG00000136193	SCRN1	chr7	-	29926273	29930256	no	
1954	3.84e-09	-2.61	ENSG00000010165	KIAA0859	chr1	+	170032245	170033480	no	
1955	3.86e-09	-4.65	ENSG00000071462	WBSCR22	chr7	+	72750098	72750477	no	
1956	4.00e-09	-5.18	ENSG00000197471	SPN	chr16	+	29589295	29589688	no	
1957	4.07e-09	-4.31	ENSG00000100387	RBX1	chr22	+	39698426	39698628	no	
1958	4.13e-09	-5.94	ENSG00000149577	SIDT2	chr11	+	116571728	116573370	no	
1959	4.43e-09	-3.19	ENSG00000132471	WBP2	chr17	-	71362915	71363035	no	
1959	4.43e-09	-2.9	ENSG00000132471	WBP2	chr17	-	71353396	71354463	no	
1960	4.46e-09	-2.84	ENSG00000100603	SNW1	chr14	-	77253717	77254382	no	
1961	4.51e-09	-3.11	ENSG00000184708	EIF4ENIF1	chr22	-	30165355	30166107	no	
1962	4.52e-09	-2.66	ENSG00000143466	IKBKE	chr1	+	204733222	204733334	no	
1962	4.52e-09	-2.01	ENSG00000143466	IKBKE	chr1	+	204736068	204736846	no	
1963	4.53e-09	-2.55	ENSG00000165688	PMPCA	chr9	+	138430564	138430828	no	
1963	4.53e-09	-3	ENSG00000165688	PMPCA	chr9	+	138432290	138432382	no	
1963	4.53e-09	-2.74	ENSG00000165688	PMPCA	chr9	+	138437368	138438034	no	
1964	4.53e-09	-3.03	ENSG00000101773	RBBP8	chr18	+	18860104	18860443	no	
1965	4.6e-09	-2.12	ENSG00000161956	SENP3	chr17	+	7405996	7406304	no	
1966	4.91e-09	-3.88	ENSG00000114450	GNB4	chr3	-	180651828	180652065	no	
1966	4.91e-09	-2.34	ENSG00000114450	GNB4	chr3	-	180599696	180601801	no	
1967	4.93e-09	-2.21	ENSG00000166136	NDUFB8	chr10	-	102273487	102273676	no	
1968	4.94e-09	-2.77	ENSG00000113532	ST8SIA4	chr5	-	100170803	100175732	no	
1969	4.98e-09	-6.84	ENSG00000130810	PPAN	chr19	+	10077965	10078088	yes,JnId_h_40413	
1969	4.98e-09	-4.33	ENSG00000130810	PPAN	chr19	+	10082621	10082975	yes,JnId_h_40423	
1970	5.15e-09	-2.22	ENSG00000162408	NOL9	chr1	-	6503994	6508650	no	
1971	5.33e-09	-3.07	ENSG00000138085	C2orf28	chr2	+	27293216	27293548	no	
1972	5.49e-09	-3.25	ENSG00000198961	PJA2	chr5	-	108747003	108747120	yes,JnId_h_64855	
1972	5.49e-09	-2.46	ENSG00000198961	PJA2	chr5	-	108698309	108700956	no	
1973	5.59e-09	-2.78	ENSG00000143514	TP53BP2	chr1	-	222034224	222035219	no	
1974	5.78e-09	-2.66	ENSG00000090615	GOLGA3	chr12	-	131914986	131915361	no	
1974	5.78e-09	-2.42	ENSG00000090615	GOLGA3	chr12	-	131859215	131859953	no	
1974	5.78e-09	-2.43	ENSG00000090615	GOLGA3	chr12	-	131855568	131856900	no	
1975	5.83e-09	-4.45	ENSG00000173848	NET1	chr10	+	5444514	5444783	no	
1975	5.83e-09	-4.77	ENSG00000173848	NET1	chr10	+	5488551	5490426	no	
1976	5.85e-09	-2.35	ENSG00000152782	PANK1	chr10	-	91332726	91334202	no	
1977	5.9e-09	-2.52	ENSG00000105669	COPE	chr19	-	18891032	18891206	no	
1978	6.03e-09	-2.79	ENSG00000139350	NEDD1	chr12	+	95869858	95871259	no	
1979	6.03e-09	-3.87	ENSG00000089351	GRAMD1A	chr19	+	40208793	40209213	yes,JnId_b_33617	
1980	6.34e-09	-4.09	ENSG00000152495	CAMK4	chr5	+	110847623	110858483	no	
1981	6.49e-09	-2.94	ENSG00000111144	LTA4H	chr12	-	94931659	94931762	no	
1981	6.49e-09	-2.84	ENSG00000111144	LTA4H	chr12	-	94921747	94921829	"yes,JnId_h_19365;JnId_h_19367"	
1981	6.49e-09	-6.48	ENSG00000111144	LTA4H	chr12	-	94918742	94919015	no	
1982	6.63e-09	-2.85	ENSG00000138134	STAMBPL1	chr10	+	90650812	90651475	no	
1983	6.65e-09	-2.79	ENSG00000100823	APEX1	chr14	+	19993130	19993393	"yes,JnId_h_22783;JnId_h_22784"	
1984	6.81e-09	-4.1	ENSG00000128626	MRPS12	chr19	+	44113028	44113478	no	
1985	6.87e-09	-6.5	ENSG00000113812	ACTR8	chr3	-	53876195	53877929	no	
1986	7.03e-09	-4.05	ENSG00000065613	SLK	chr10	+	105775322	105778981	no	
1987	7.25e-09	-2.06	ENSG00000078403	MLLT10	chr10	+	21863100	21863455	no	
1987	7.25e-09	-4.35	ENSG00000078403	MLLT10	chr10	+	21885578	21886117	yes,JnId_h_9132	
1988	7.37e-09	-2.95	ENSG00000114391	RPL24	chr3	-	102882626	102882749	no	
1989	7.44e-09	-4.86	ENSG00000146938	NLGN4X	chrX	-	5818067	5821707	no	
1990	7.51e-09	-2.64	ENSG00000132589	FLOT2	chr17	-	24240089	24240170	yes,JnId_b_27041	
1990	7.51e-09	-3.12	ENSG00000132589	FLOT2	chr17	-	24230484	24231743	no	
1991	7.56e-09	-2.34	ENSG00000178177	LCORL	chr4	-	17491316	17495473	yes,JnId_h_61020	
1992	7.57e-09	-19.83	ENSG00000124380	SNUT3_HUMAN	chr2	+	69984890	69985852	no	
1993	7.57e-09	-4.89	ENSG00000181026	ISG20L1	chr15	+	86974293	86976516	no	
1994	7.72e-09	-11.33	ENSG00000174013	no_name	chr3	+	197795401	197798553	no	
1995	7.73e-09	-4.72	ENSG00000112249	ASCC3	chr6	-	101410900	101413799	yes,JnId_h_69478	
1996	8.12e-09	-3.05	ENSG00000126883	NUP214	chr9	+	133098662	133099878	no	
1997	8.21e-09	-5.32	ENSG00000105447	GRWD1	chr19	+	53640874	53641261	no	
1997	8.21e-09	-3.85	ENSG00000105447	GRWD1	chr19	+	53647777	53648966	no	
1998	8.46e-09	-3.32	ENSG00000198554	WDHD1	chr14	-	54532071	54532281	no	
1998	8.46e-09	-7.99	ENSG00000198554	WDHD1	chr14	-	54476692	54478158	no	

1999	8.56e-09	-2.81	ENSG00000007923	DNAJC11	chr1	-	6684376	6684571	no	
2000	8.76e-09	-3.63	ENSG00000100934	SEC23A	chr14	-	38570874	38572283	no	
2001	8.94e-09	-29.33	ENSG00000163110	PDLIM5	chr4	+	95804152	95808400	no	
2002	8.95e-09	-5.31	ENSG00000101935	AMMECR1	chrX	-	109324070	109328518	no	
2003	9.2e-09	-2.41	ENSG00000160584	Q0IJ40	chr11	-	116222309	116222479	no	
2003	9.2e-09	-4.09	ENSG00000160584	Q0IJ40	chr11	-	116219328	116221555	no	
2003	9.2e-09	-8.06	ENSG00000138639	ARHGAP24	chr4	+	87134760	87135834	no	
2003	9.2e-09	-3.92	ENSG00000107882	SUFU	chr10	+	104253734	104254081	no	
2003	9.2e-09	-8.83	ENSG00000107882	SUFU	chr10	+	104379813	104383282	no	
2006	9.4e-09	-2.7	ENSG00000127527	EPS15L1	chr19	-	16364115	16364251	no	
2006	9.4e-09	-3.49	ENSG00000127527	EPS15L1	chr19	-	16333408	16333795	no	
2007	9.53e-09	-9.48	ENSG00000186660	ZFP91	chr11	+	58141245	58145089	no	
2008	9.58e-09	-2.31	ENSG00000114650	SCAP	chr3	-	47430188	47430593	no	
2009	9.9e-09	-3.77	ENSG00000134369	NAV1	chr1	+	200055588	200062720	no	
2010	1.01e-08	-2.26	ENSG00000138293	NCOA4	chr10	+	51256277	51256422	no	
2010	1.01e-08	-2.77	ENSG00000138293	NCOA4	chr10	+	51259231	51260740	no	
2011	1.02e-08	-2.31	ENSG00000165406	MARCH8	chr10	-	45409689	45410360	no	
2012	1.04e-08	-2.81	ENSG00000138035	PNPT1	chr2	-	55715971	55717031	no	
2013	1.10e-08	-6.13	ENSG00000196323	ZBTB44	chr11	-	129601789	129603461	no	
2014	1.10e-08	-2.77	ENSG00000163312	Q6ZQX4	chr4	-	84593408	84594122	no	
2014	1.10e-08	-2.18	ENSG00000163312	Q6ZQX4	chr4	-	84547527	84547737	no	
2015	1.10e-08	-2.01	ENSG00000100749	VRK1	chr14	+	96333437	96333537	no	
2015	1.10e-08	-8.17	ENSG00000100749	VRK1	chr14	+	96417267	96417703	no	
2016	1.10e-08	-2.54	ENSG00000133858	CCDC131	chr12	-	70314202	70314351	no	
2016	1.10e-08	-9.26	ENSG00000133858	CCDC131	chr12	-	70291105	70291934	yes	JnId_h_19076
2016	1.10e-08	-5.48	ENSG00000133858	CCDC131	chr12	-	70289651	70290612	no	
2017	1.11e-08	-2.78	ENSG00000134900	TPP2	chr13	+	102128578	102129522	no	
2018	1.13e-08	-2.98	ENSG00000101126	ADNP	chr20	-	48953833	48954251	no	
2019	1.16e-08	-3.56	ENSG00000121104	FAM117A	chr17	-	45196253	45196518	no	
2019	1.16e-08	-2.23	ENSG00000196998	WDR45	chrX	-	48819036	48819515	no	
2021	1.19e-08	-3.08	ENSG00000120688	WBP4	chr13	+	40554840	40556142	no	
2021	1.19e-08	-3.04	ENSG00000108773	GCN5L2	chr17	-	37525574	37525663	no	
2021	1.19e-08	-2.37	ENSG00000108773	GCN5L2	chr17	-	37518655	37519386	no	
2023	1.23e-08	-2.03	ENSG00000082641	NFE2L1	chr17	+	43480704	43480823	no	
2024	1.27e-08	-3.71	ENSG00000152556	PFKM	chr12	+	46824096	46824207	yes	JnId_h_17713
2024	1.27e-08	-2.42	ENSG00000152556	PFKM	chr12	+	46825614	46826154	no	
2025	1.28e-08	-2.71	ENSG00000205302	SNX2	chr5	+	122193192	122193699	no	
2026	1.31e-08	-2.58	ENSG00000049323	LTBP1	chr2	+	33476935	33478077	no	
2027	1.33e-08	-4.04	ENSG00000092010	PSME1	chr14	+	23677523	23678015	yes	JnId_h_23132
2028	1.34e-08	-2.51	ENSG00000143256	PFDN2	chr1	-	159336970	159337273	no	
2029	1.36e-08	-2.17	ENSG00000149273	RPS3	chr11	+	74791044	74791138	yes	JnId_h_15269
2029	1.36e-08	-2.63	ENSG00000186472	Q32P40	chr7	-	82287732	82289941	no	
2031	1.38e-08	-3.13	ENSG00000065060	C6orf107	chr6	+	34948068	34953269	yes	JnId_b_54544
2032	1.40e-08	-78.17	ENSG00000175606	TMEM70	chr8	+	75055944	75057565	no	
2033	1.42e-08	-2	ENSG00000170836	PPM1D	chr17	+	56095138	56096818	no	
2034	1.43e-08	-3.91	ENSG00000100242	UNC84B	chr22	-	37481714	37481928	no	
2035	1.46e-08	-3.93	ENSG00000164924	YWHAZ	chr8	-	102034673	102034745	no	
2035	1.46e-08	-2.54	ENSG00000164924	YWHAZ	chr8	-	102000090	102002156	no	
2036	1.56e-08	-5.7	ENSG00000204370	SDHD	chr11	+	111470739	111471727	no	
2037	1.62e-08	-2.45	ENSG00000141627	DYM	chr18	-	45038748	45038861	no	
2037	1.62e-08	-3.14	ENSG00000141627	DYM	chr18	-	44824172	44824572	no	
2038	1.67e-08	-2.16	ENSG00000100994	PYGB	chr20	+	25225006	25226648	no	
2039	1.74e-08	-2.53	ENSG00000124181	PLCG1	chr20	+	39199291	39199912	no	
2040	1.8e-08	-4.05	ENSG00000103335	FAM38A	chr16	-	87330057	87330158	no	
2040	1.8e-08	-2.21	ENSG00000103335	FAM38A	chr16	-	87318918	87318989	no	
2041	1.82e-08	-3.01	ENSG00000119333	WDR34	chr9	-	130458641	130458950	no	
2042	1.90e-08	-2.56	ENSG00000186575	NF2	chr22	+	28329563	28330101	no	
2043	1.91e-08	-7.61	ENSG00000158042	MRPL17	chr11	-	6658589	6660209	no	
2044	1.91e-08	-2.09	ENSG00000146576	C7orf26	chr7	+	6614116	6614880	no	
2045	1.97e-08	-4.41	ENSG00000088035	ALG6	chr1	+	63675082	63676821	no	
2046	2.00e-08	-2.63	ENSG00000072609	CHFR	chr12	-	131927011	131928255	no	
2047	2.18e-08	-2.41	ENSG00000169599	NFU1	chr2	-	69476403	69476926	no	
2048	2.22e-08	-2.2	ENSG00000144034	TPRKB	chr2	-	73811195	73811371	no	
2049	2.26e-08	-6.93	ENSG00000159346	ADIPOR1	chr1	-	201193936	201194140	no	

2050	2.27e-08	-3.39	ENSG00000196776	CD47	chr3	-	109244631	109248829	no	
2051	2.29e-08	-2.93	ENSG00000141076	CIRH1A	chr16	+	67760225	67760424	yes	,JnId_h_31349
2052	2.29e-08	-3.19	ENSG00000150527	CTAGE5	chr14	+	38806101	38806477	no	
2052	2.29e-08	-5.02	ENSG00000150527	CTAGE5	chr14	+	38889053	38890333	no	
2053	2.3e-08	-3.37	ENSG00000184922	FMNL1	chr17	+	40663754	40663837	no	
2053	2.3e-08	-3.17	ENSG00000184922	FMNL1	chr17	+	40674997	40675296	no	
2053	2.3e-08	-2.39	ENSG00000184922	FMNL1	chr17	+	40679028	40679123	no	
2054	2.35e-08	-3.38	ENSG00000135090	TAOK3	chr12	-	117177636	117177843	no	
2055	2.46e-08	-2.16	ENSG00000153574	RPIA	chr2	+	88772314	88772616	no	
2055	2.46e-08	-2.09	ENSG00000153574	RPIA	chr2	+	88830613	88831566	no	
2056	2.49e-08	-2.64	ENSG00000161981	Cl6orf33	chr16	+	43010	44058	no	
2057	2.5e-08	-2.19	ENSG00000117411	B4GALT2	chr1	+	44217453	44217770	no	
2058	2.57e-08	-9.19	ENSG00000187051	RPS19BP1	chr22	-	38258638	38258806	no	
2059	2.68e-08	-2.24	ENSG00000176978	DPP7	chr9	-	139124814	139125056	no	
2060	2.74e-08	-3.36	ENSG0000021355	SERPINB1	chr6	-	2777565	2779245	no	
2061	2.84e-08	-3.09	ENSG00000136436	CALCOCO2	chr17	+	44295199	44297227	no	
2062	2.91e-08	-3.81	ENSG00000126214	KLC1	chr14	+	103247147	103247461	no	
2063	2.93e-08	-4.52	ENSG0000036549	ZZZ3	chr1	-	77802773	77804057	no	
2064	2.98e-08	-2.01	ENSG00000175634	RPS6KB2	chr11	+	66959036	66959454	no	
2065	2.99e-08	-2.3	ENSG00000104886	PLEKHJ1	chr19	-	2184155	2184904	no	
2066	3.01e-08	-3.12	ENSG00000077150	NFKB2	chr10	+	104145453	104145543	yes	,JnId_b_8207
2066	3.01e-08	-2.88	ENSG00000077150	NFKB2	chr10	+	104151196	104151265	no	
2067	3.15e-08	-2.44	ENSG00000171163	ZNF692	chr1	-	247118953	247119146	no	
2068	3.15e-08	-4.02	ENSG00000131778	CHD1L	chr1	+	145180958	145181104	"yes	,JnId_h_5101;JnId_h_5102"
2068	3.15e-08	-2.37	ENSG00000131778	CHD1L	chr1	+	145193149	145193255	"yes	,JnId_h_5101;JnId_h_5102"
2068	3.15e-08	-4.24	ENSG00000131778	CHD1L	chr1	+	145233736	145234067	no	
2069	3.18e-08	-2.38	ENSG00000205060	SLC35B4	chr7	-	133637321	133637402	no	
2069	3.18e-08	-2.49	ENSG00000205060	SLC35B4	chr7	-	133624632	133630371	no	
2070	3.21e-08	-2.21	ENSG00000184967	NOC4L	chr12	+	131194946	131195103	no	
2070	3.21e-08	-2.4	ENSG00000184967	NOC4L	chr12	+	131202780	131202939	no	
2071	3.25e-08	-2.18	ENSG0000021574	SPAST	chr2	+	32232947	32236210	no	
2072	3.28e-08	-3.77	ENSG00000103502	CDIPT	chr16	-	29781637	29782556	no	
2073	3.34e-08	-2.75	ENSG00000196365	LONP1	chr19	-	5644309	5644473	yes	,JnId_h_40034
2073	3.34e-08	-7.21	ENSG00000196365	LONP1	chr19	-	5642845	5643219	no	
2074	3.50e-08	-2.03	ENSG00000168918	Q6P5A4	chr2	+	233777511	233778102	no	
2075	3.54e-08	-6.74	ENSG00000101166	SLMO2	chr20	-	57045140	57045210	no	
2075	3.54e-08	-13.77	ENSG00000101166	SLMO2	chr20	-	57041595	57043576	no	
2076	3.64e-08	-3.84	ENSG00000153147	SMARCA5	chr4	+	144693722	144694016	yes	,JnId_b_50243
2077	3.64e-08	-3.43	ENSG00000102218	RP2	chrX	+	46624065	46626737	no	
2078	3.8e-08	-4.82	ENSG00000066084	DIP2B	chr12	+	49394445	49394646	no	
2078	3.8e-08	-11.34	ENSG00000066084	DIP2B	chr12	+	49424637	49428717	yes	,JnId_b_13976
2079	3.81e-08	-5.99	ENSG00000184402	SS18L1	chr20	+	60187633	60190958	yes	,JnId_h_51903
2080	3.82e-08	-3.29	ENSG00000135241	PNPLA10P	chr7	-	107898104	107900355	no	
2081	3.82e-08	-4.11	ENSG00000138814	PPP3CA	chr4	-	102163610	102166241	no	
2082	3.88e-08	-4.49	ENSG00000105701	FKBP8	chr19	-	18515296	18515383	no	
2083	3.94e-08	-3.16	ENSG00000166938	DIS3L	chr15	+	64399963	64400124	no	
2083	3.94e-08	-2.95	ENSG00000166938	DIS3L	chr15	+	64412396	64413289	no	
2084	3.97e-08	-33.77	ENSG00000100207	TCF20	chr22	-	40885963	40887308	no	
2085	3.97e-08	-2.57	ENSG00000169228	MXD3	chr5	-	176665107	176666802	no	
2086	4.01e-08	-2.05	ENSG00000138078	PREPL	chr2	-	44440140	44441317	"yes	,JnId_h_45525;JnId_h_45526;JnId_h_45524"
2087	4.25e-08	-2.67	ENSG00000139613	SMARCC2	chr12	-	54866206	54866291	no	
2087	4.25e-08	-2.74	ENSG00000139613	SMARCC2	chr12	-	54858073	54858144	no	
2087	4.25e-08	-4.08	ENSG00000139613	SMARCC2	chr12	-	54852988	54853080	yes	,JnId_h_18383
2088	4.35e-08	-4.89	ENSG00000176946	THAP4	chr2	-	242225029	242225328	no	
2088	4.35e-08	-6.58	ENSG00000176946	THAP4	chr2	-	242172494	242172813	no	
2089	4.61e-08	-2.1	ENSG00000135945	REV1	chr2	-	99472711	99472912	no	
2090	4.71e-08	-11.63	ENSG00000110427	C11orf41	chr11	+	33576942	33577616	no	
2090	4.71e-08	-3.25	ENSG00000110427	C11orf41	chr11	+	33587871	33588088	no	
2090	4.71e-08	-3.52	ENSG00000110427	C11orf41	chr11	+	33638985	33639136	no	
2091	4.73e-08	-2.62	ENSG00000090372	STRN4	chr19	-	51941246	51941527	no	
2091	4.73e-08	-2	ENSG00000090372	STRN4	chr19	-	51919904	51920025	no	
2092	5.11e-08	-3.5	ENSG00000090339	ICAM1	chr19	+	10256791	10258291	no	
2093	5.32e-08	-23.39	ENSG00000171552	BCL2L1	chr20	-	29774082	29774366	yes	,JnId_h_50629
2094	5.34e-08	-3.29	ENSG00000080608	KIAA0020	chr9	-	2821251	2821344	no	

2094	5.34e-08	-4.2	ENSG00000080608	KIAA0020	chr9	-	2818675	2818778	no	
2094	5.34e-08	-3.62	ENSG00000080608	KIAA0020	chr9	-	2802220	2802362	no	
2095	5.5e-08	-3.23	ENSG00000107077	JMJD2C	chr9	+	7164553	7165648	no	
2096	5.82e-08	-2.05	ENSG00000138073	PREB	chr2	-		27208044	27208203	no
2097	5.94e-08	-6.21	ENSG00000117751	PPP1R8	chr1	+		28029876	28030464	no
2097	5.94e-08	-2.28	ENSG00000117751	PPP1R8	chr1	+		28049191	28050774	no
2098	5.95e-08	-3.08	ENSG00000184840	TMED9	chr5	+		176954874	176955700	no
2099	6.02e-08	-2.02	ENSG00000151729	SLC25A4	chr4	+		186304962	186305418	no
2100	6.07e-08	-5.69	ENSG00000184432	COPB2	chr3	-		140559125	140559490	no
2101	6.19e-08	-7.09	ENSG00000136827	TOR1A	chr9	-		131615043	131616322	no
2102	6.25e-08	-4.08	ENSG00000107816	LZTS2	chr10	+		102749223	102752693	no
2103	6.35e-08	-2.16	ENSG00000151465	CDC123	chr10	+		12319149	12319271	yes,JnId_h_8959
2104	6.57e-08	-2.2	ENSG00000166889	Q86TB9	chr11	-		59192930	59193028	no
2104	6.57e-08	-2.98	ENSG00000166889	Q86TB9	chr11	-		59160770	59162460	no
2104	6.57e-08	-2.32	ENSG00000167508	MVD	chr16	-		87247209	87247317	no
2104	6.57e-08	-2.05	ENSG00000167508	MVD	chr16	-		87245849	87246514	no
2106	6.59e-08	-3.12	ENSG00000160633	SAFB	chr19	+		5619173	5619488	no
2107	6.69e-08	-3.2	ENSG00000083444	PLOD1	chr1	+		11957297	11958181	no
2108	6.72e-08	-3.06	ENSG00000156802	ATAD2	chr8	-		124417794	124417953	no
2108	6.72e-08	-2.18	ENSG00000156802	ATAD2	chr8	-		124415299	124415442	no
2108	6.72e-08	-2.24	ENSG00000156802	ATAD2	chr8	-		124404359	124404487	no
2108	6.72e-08	-4.06	ENSG00000156802	ATAD2	chr8	-		124401922	124402596	no
2109	6.82e-08	-2.05	ENSG00000117682	DHDDS	chr1	+		26641786	26642158	yes,JnId_h_1615
2109	6.82e-08	-2.06	ENSG00000117682	DHDDS	chr1	+		26646637	26647254	no
2110	6.85e-08	-3.12	ENSG00000077514	POLD3	chr11	+		74029257	74031413	no
2111	6.87e-08	-2.03	ENSG00000064115	TM7SF3	chr12	-		27017395	27018427	no
2112	7.06e-08	-2.9	ENSG00000185811	IKZF1	chr7	+		50314924	50315064	no
2113	7.43e-08	-2.04	ENSG00000162852	Clorf71	chr1	+		244895625	244898509	no
2114	7.48e-08	-16.23	ENSG00000147099	HDAC8	chrX	-		71466091	71466651	no
2115	7.54e-08	-2.08	ENSG00000173757	STAT5B	chr17	-		37604722	37607408	yes,JnId_b_27860
2116	7.66e-08	-2.54	ENSG00000138443	ABI2	chr2	+		204000145	204000576	no
2117	7.82e-08	-2.67	ENSG00000048405	ZNF800	chr7	-		126797592	126799104	no
2118	7.94e-08	-3.03	ENSG00000102738	MRPS31	chr13	-		40201432	40201737	no
2119	8.04e-08	-3.59	ENSG00000091073	DTX2	chr7	+		75972627	75973241	no
2120	8.12e-08	-2.96	ENSG00000055955	MUSTN1	chr3	-		52843996	52844785	no
2121	8.27e-08	-2.65	ENSG00000187122	ARHGAP19	chr10	-		98971920	98975879	no
2122	8.62e-08	-4.38	ENSG00000100084	HIRA	chr22	-		17798963	17799219	no
2122	8.62e-08	-2.4	ENSG00000100084	HIRA	chr22	-		17723283	17723388	no
2122	8.62e-08	-2.25	ENSG00000100084	HIRA	chr22	-		17698224	17699079	no
2123	8.77e-08	-6.3	ENSG0000010270	STARD3NL	chr7	+		38236049	38236760	no
2124	8.84e-08	-3.48	ENSG00000106246	PTCD1	chr7	-		98852298	98855708	no
2125	8.9e-08	-3.09	ENSG00000204356	RDBP	chr6	-		32027844	32028154	no
2126	8.95e-08	-3.21	ENSG00000100056	DGCR14	chr22	-		17500125	17501988	yes,JnId_h_53219
2127	9.03e-08	-2.11	ENSG00000103415	HMOX2	chr16	+		4499631	4500348	no
2128	9.26e-08	-17.88	ENSG00000118960	HS1BP3	chr2	-		20681045	20682486	no
2129	9.26e-08	-2.36	ENSG00000204138	PHACTR4	chr1	+		28695633	28699468	no
2130	9.57e-08	-2.34	ENSG00000100241	SBF1	chr22	-		49260077	49260135	no
2130	9.57e-08	-2.01	ENSG00000100241	SBF1	chr22	-		49253671	49253756	yes,JnId_h_55289
2130	9.57e-08	-2.36	ENSG00000100241	SBF1	chr22	-		49250114	49250212	yes,JnId_h_55278
2130	9.57e-08	-2.01	ENSG00000100241	SBF1	chr22	-		49247091	49247164	"yes,JnId_h_55271;JnId_h_55270"
2130	9.57e-08	-3.28	ENSG00000100241	SBF1	chr22	-		49242329	49242406	yes,JnId_h_55265
2131	9.57e-08	-2.21	ENSG00000198585	NUDT16	chr3	+		132584696	132587619	no
2132	9.65e-08	-2.85	ENSG00000080839	RBL1	chr20	-		35058166	35060746	no
2133	9.67e-08	-2.81	ENSG00000177030	DEAF1	chr11	-		684755	685740	no
2134	9.7e-08	-2.63	ENSG00000058063	ATP11B	chr3	+		184066750	184066925	yes,JnId_b_47850
2135	9.84e-08	-5.7	ENSG00000107140	TESK1	chr9	+		35595281	35595835	no
2135	9.84e-08	-2.13	ENSG00000107140	TESK1	chr9	+		35598859	35600037	no
2136	1.00e-07	-2.1	ENSG00000085662	AKR1B1	chr7	-		133784289	133784411	no
2136	1.00e-07	-6.15	ENSG00000085662	AKR1B1	chr7	-		133777649	133778062	no
2137	1.00e-07	-2.29	ENSG00000145041	Q9UG37	chr3	-		51439863	51440032	yes,JnId_h_57429
2137	1.00e-07	-5.02	ENSG00000145041	Q9UG37	chr3	-		51410313	51411298	no
2138	1.02e-07	-2.12	ENSG00000004478	FKBP4	chr12	+		2779819	2780004	no
2139	1.02e-07	-2.48	ENSG00000038358	EDC4	chr16	+		66468277	66468376	no
2139	1.02e-07	-3.27	ENSG00000038358	EDC4	chr16	+		66475360	66475906	no

2140	1.04e-07	-2.6	ENSG00000161036	Q8WV43	chr7	+	101892385	101892612	no
2140	1.04e-07	-2.3	ENSG00000161036	Q8WV43	chr7	+	101899670	101899761	no
2141	1.05e-07	-3.74	ENSG00000169621	C2orf13	chr2	+	68658456	68660797	yes,JnId_h_46082
2142	1.08e-07	-3.82	ENSG00000137312	FLOT1	chr6	-	30818283	30818443	no
2143	1.09e-07	-3.61	ENSG00000157837	Q53EP9	chr12	-	119826031	119826534	no
2143	1.09e-07	-5.78	ENSG00000157837	Q53EP9	chr12	-	119685419	119687256	no
2144	1.10e-07	-2.19	ENSG00000086015	MAST2	chr1	+	46267027	46267192	no
2145	1.10e-07	-2.64	ENSG00000160691	SHC1	chr1	-	153209132	153209847	no
2146	1.12e-07	-2.89	ENSG00000139579	OBFC2B	chr12	+	54909065	54909904	yes,JnId_b_14337
2147	1.12e-07	-2.07	ENSG00000171988	JMJD1C	chr10	-	64628279	64628493	no
2147	1.12e-07	-6.73	ENSG00000171988	JMJD1C	chr10	-	64596987	64597900	no
2148	1.12e-07	-2.02	ENSG00000135837	CEP350	chr1	+	178314221	178314432	no
2148	1.12e-07	-2.09	ENSG00000135837	CEP350	chr1	+	178328372	178330374	no
2148	1.12e-07	-3.78	ENSG00000135837	CEP350	chr1	+	178346755	178350638	no
2149	1.13e-07	-2.44	ENSG00000101856	PGRMC1	chrX	+	118261142	118262457	no
2150	1.15e-07	-4.23	ENSG00000108465	CDK5RAP3	chr17	+	43403521	43403772	yes,JnId_h_35732
2151	1.19e-07	-4.07	ENSG00000100628	ASB2	chr14	-	93492865	93493520	no
2151	1.19e-07	-2.72	ENSG00000100628	ASB2	chr14	-	93470266	93470891	no
2152	1.20e-07	-2.4	ENSG00000134597	RBMX2	chrX	+	129374016	129375201	no
2153	1.23e-07	-2.93	ENSG00000127226	Q96QA0	chr19	+	18165092	18165278	no
2153	1.23e-07	-2.17	ENSG00000127226	Q96QA0	chr19	+	18167809	18168756	no
2154	1.24e-07	-3.92	ENSG00000149600	COMMD7	chr20	-	30794775	30795464	no
2155	1.27e-07	-2.07	ENSG00000110768	GTF2H1	chr11	+	18336648	18336763	no
2155	1.27e-07	-4.11	ENSG00000110768	GTF2H1	chr11	+	18343906	18345152	no
2156	1.29e-07	-2.05	ENSG00000169220	RGS14	chr5	+	176731480	176732204	yes,JnId_b_53145
2157	1.31e-07	-3.96	ENSG00000115840	SLC25A12	chr2	-	172433437	172433579	no
2157	1.31e-07	-3.74	ENSG00000115840	SLC25A12	chr2	-	172409125	172409264	no
2157	1.31e-07	-5.79	ENSG00000115840	SLC25A12	chr2	-	172399483	172399621	no
2157	1.31e-07	-10.77	ENSG00000115840	SLC25A12	chr2	-	172349127	172350231	no
2158	1.37e-07	-6.43	ENSG00000196535	MYO18A	chr17	-	24517086	24518165	no
2158	1.37e-07	-2.11	ENSG00000196535	MYO18A	chr17	-	24472995	24473101	no
2158	1.37e-07	-3.39	ENSG00000196535	MYO18A	chr17	-	24466808	24467005	no
2158	1.37e-07	-5.38	ENSG00000196535	MYO18A	chr17	-	24466051	24466243	no
2158	1.37e-07	-2.21	ENSG00000196535	MYO18A	chr17	-	24462866	24463007	no
2158	1.37e-07	-3.09	ENSG00000196535	MYO18A	chr17	-	24461580	24461766	no
2159	1.38e-07	-2.42	ENSG00000134014	ELP3	chr8	+	28103085	28104592	no
2160	1.38e-07	-3.74	ENSG00000117385	LEPRE1	chr1	-	43000088	43000733	no
2161	1.40e-07	-3.49	ENSG00000187742	SECISBP2	chr9	+	91163456	91164377	no
2162	1.43e-07	-3.55	ENSG00000140299	BNIP2	chr15	-	57742356	57743611	no
2163	1.43e-07	-2.48	ENSG00000089639	GMIP	chr19	-	19601285	19602145	no
2164	1.53e-07	-4.48	ENSG00000138030	KHK	chr2	+	27176037	27177144	no
2165	1.55e-07	-3.02	ENSG00000079432	CIC	chr19	+	47480657	47480763	no
2165	1.55e-07	-2.45	ENSG00000079432	CIC	chr19	+	47482763	47482912	no
2165	1.55e-07	-3.05	ENSG00000079432	CIC	chr19	+	47482998	47483232	no
2165	1.55e-07	-2.6	ENSG00000079432	CIC	chr19	+	47484880	47485082	yes,JnId_h_42791
2165	1.55e-07	-3.49	ENSG00000079432	CIC	chr19	+	47490596	47490727	no
2165	1.55e-07	-2.48	ENSG00000079432	CIC	chr19	+	47490816	47491789	no
2166	1.55e-07	-2.18	ENSG00000105254	TBCB	chr19	+	41297728	41298416	no
2167	1.58e-07	-3.28	ENSG00000111364	DDX55	chr12	+	122652625	122652756	yes,JnId_h_20782
2167	1.58e-07	-2.21	ENSG00000111364	DDX55	chr12	+	122669932	122670224	yes,JnId_b_16329
2167	1.58e-07	-7.72	ENSG00000111364	DDX55	chr12	+	122670464	122671433	no
2168	1.65e-07	-2.18	ENSG00000185019	UBOX5	chr20	-	3036219	3038960	no
2169	1.65e-07	-3.48	ENSG00000072415	MPP5	chr14	+	66869250	66872288	no
2170	1.66e-07	-8.82	ENSG00000117877	CD3EAP	chr19	+	50601307	50601816	no
2171	1.72e-07	-2.8	ENSG00000166575	TMEM135	chr11	+	86709891	86712216	no
2172	1.78e-07	-2.51	ENSG00000114784	EIF1B	chr3	+	40328465	40328919	no
2173	1.79e-07	-6.38	ENSG00000172046	USP19	chr3	-	49121112	49121622	yes,JnId_h_57047
2174	1.81e-07	-2.28	ENSG0000010322	NISCH	chr3	+	52500928	52502124	no
2175	1.83e-07	-2.75	ENSG00000168502	KIAA0802	chr18	+	8821605	8822775	no
2176	1.84e-07	-2.43	ENSG00000116688	MFN2	chr1	+	11962956	11963128	no
2177	1.85e-07	-11.31	ENSG00000204308	RNF5	chr6	+	32254047	32254406	no
2178	1.87e-07	-2.45	ENSG00000166734	CASC4	chr15	+	42492826	42495247	no
2179	1.91e-07	-3.47	ENSG00000068137	PLEKHH3	chr17	-	38073463	38073847	no
2180	1.92e-07	-2.63	ENSG00000095319	NUP188	chr9	+	130760902	130760994	no

2180	1.92e-07	-2.02	ENSG00000095319	NUP188	chr9	+	130761115	130761234	yes,JnId_b_63749
2181	1.93e-07	-4.81	ENSG00000061273	HDAC7A	chr12	-	46475956	46476066	yes,JnId_h_17659
2182	1.94e-07	-4.77	ENSG00000167196	FBXO22	chr15	+	74012081	74013999	no
2183	2.02e-07	-5.47	ENSG00000159720	ATP6V0D1	chr16	-	66072361	66072589	no
2183	2.02e-07	-6.09	ENSG00000159720	ATP6V0D1	chr16	-	66029426	66030093	no
2184	2.04e-07	-2.92	ENSG0000004142	POLDIP2	chr17	-	23708523	23708600	no
2184	2.04e-07	-4.08	ENSG0000004142	POLDIP2	chr17	-	23704065	23704172	no
2184	2.04e-07	-2.22	ENSG0000004142	POLDIP2	chr17	-	23701591	23701716	no
2184	2.04e-07	-5.51	ENSG0000004142	POLDIP2	chr17	-	23697787	23699384	no
2185	2.08e-07	-3.67	ENSG00000148824	MTG1	chr10	+	135083520	135084813	no
2186	2.11e-07	-3.49	ENSG00000115947	ORC4L	chr2	-	148408202	148409737	no
2187	2.14e-07	-2.87	ENSG00000198604	BAZ1A	chr14	-	34291694	34292661	no
2188	2.17e-07	-5.55	ENSG00000198157	NSBP1	chrX	-	80255856	80257385	no
2189	2.27e-07	-4.72	ENSG00000153774	CFDP1	chr16	-	73885109	73885441	no
2190	2.34e-07	-2.66	ENSG00000143862	ARL8A	chr1	-	200368600	200370267	no
2191	2.34e-07	-4.99	ENSG00000119688	ABCD4	chr14	-	73821902	73822985	no
2192	2.4e-07	-2.49	ENSG00000073969	NSF	chr17	+	42188335	42189993	no
2193	2.42e-07	-5.43	ENSG00000107185	KIAA0258	chr9	+	35742648	35748572	no
2194	2.45e-07	-2.05	ENSG00000165699	TSC1	chr9	-	134756557	134761962	no
2195	2.5e-07	-5.37	ENSG00000137054	POLR1E	chr9	+	37476150	37476803	no
2195	2.5e-07	-2.56	ENSG00000135317	SNX14	chr6	-	86292563	86292674	no
2195	2.5e-07	-3.28	ENSG00000135317	SNX14	chr6	-	86280507	86280671	no
2197	2.51e-07	-8.1	ENSG00000083642	APRIN	chr13	+	32247155	32250157	no
2198	2.54e-07	-14.26	ENSG00000160392	C19orf47	chr19	-	45517302	45520123	no
2199	2.62e-07	-2.02	ENSG00000110395	CBL	chr11	+	118675415	118684066	no
2200	2.62e-07	-4.52	ENSG00000109670	FBXW7	chr4	-	153461860	153463751	no
2201	2.68e-07	-4.05	ENSG00000149781	URP2_HUMAN	chr11	+	63730782	63730862	no
2201	2.68e-07	-4.47	ENSG00000149781	URP2_HUMAN	chr11	+	63735100	63735219	no
2201	2.68e-07	-3.79	ENSG00000149781	URP2_HUMAN	chr11	+	63747361	63747939	no
2202	2.69e-07	-3.44	ENSG00000156875	HIAT1	chr1	+	100320147	100321521	no
2203	2.72e-07	-2.18	ENSG00000083807	SLC27A5	chr19	-	63701516	63701870	no
2204	2.73e-07	-3.27	ENSG00000198826	ARHGAP11A	chr15	+	30715750	30719150	no
2205	2.74e-07	-6.41	ENSG00000172375	TMEM24	chr11	+	118491965	118493036	no
2206	2.77e-07	-2.03	ENSG00000105705	SF4	chr19	-	19277658	19277885	no
2207	2.80e-07	-4.13	ENSG00000144711	IQSEC1	chr3	-	12914374	12915933	no
2208	2.84e-07	-3.79	ENSG00000103995	CEP152	chr15	-	46820637	46821193	no
2208	2.84e-07	-2.18	ENSG00000103995	CEP152	chr15	-	46817428	46818777	no
2209	2.85e-07	-3.03	ENSG0000007047	MARK4	chr19	+	50492774	50493052	yes,JnId_h_42994
2209	2.85e-07	-4.35	ENSG0000007047	MARK4	chr19	+	50497472	50500381	no
2210	2.87e-07	-2.81	ENSG00000111481	COPZ1	chr12	+	53030527	53031900	no
2211	2.94e-07	-2.32	ENSG00000065923	SLC9A7	chrX	-	46349697	46351582	no
2212	2.94e-07	-4.45	ENSG00000160220	PWP2	chr21	+	44353293	44353405	no
2212	2.94e-07	-4.94	ENSG00000160220	PWP2	chr21	+	44374907	44375490	no
2213	2.98e-07	-2.84	ENSG00000157212	PAXIP1	chr7	-	154366334	154366805	yes,JnId_h_74144
2214	3.02e-07	-3.81	ENSG00000174891	RSRC1	chr3	+	159744666	159745268	no
2215	3.05e-07	-4.04	ENSG00000179912	R3HDM2	chr12	-	55933815	55935163	no
2216	3.08e-07	-5.54	ENSG00000104177	MYEF2	chr15	-	46219719	46222560	no
2217	3.1e-07	-2	ENSG00000154229	PRKCA	chr17	+	62165344	62165435	no
2218	3.13e-07	-2.34	ENSG00000173327	MAP3K11	chr11	-	65137065	65138296	yes,JnId_b_10993
2218	3.13e-07	-2.21	ENSG00000173327	MAP3K11	chr11	-	65131317	65131560	yes,JnId_b_10987
2218	3.13e-07	-2.32	ENSG00000173327	MAP3K11	chr11	-	65121802	65122675	no
2219	3.13e-07	-2.51	ENSG00000076382	SPAG5	chr17	-	23950041	23950424	no
2219	3.13e-07	-2.86	ENSG00000076382	SPAG5	chr17	-	23936464	23936556	"yes,JnId_h_33976;JnId_h_33977"
2219	3.13e-07	-3.11	ENSG00000076382	SPAG5	chr17	-	23930510	23930630	yes,JnId_b_26904
2219	3.13e-07	-3.8	ENSG00000076382	SPAG5	chr17	-	23928735	23928915	no
2220	3.19e-07	-6.71	ENSG00000204410	MSH5	chr6	+	31838176	31838924	no
2221	3.20e-07	-2.79	ENSG00000063854	HAGH	chr16	-	1812867	1813039	no
2222	3.22e-07	-2.18	ENSG00000096717	SIRT1	chr10	+	69346028	69348153	no
2223	3.24e-07	-2.85	ENSG00000012779	ALOX5	chr10	+	45259570	45259740	no
2224	3.45e-07	-5.24	ENSG00000088451	TGDS	chr13	-	94024277	94025107	no
2225	3.57e-07	-11.09	ENSG00000109084	TMEM97	chr17	+	23677687	23679374	no
2226	3.64e-07	-2.42	ENSG00000196850	PPTC7	chr12	-	109456326	109459283	no
2227	3.65e-07	-2.21	ENSG00000196961	AP2A1	chr19	+	54961992	54962269	no
2228	3.66e-07	-4.58	ENSG00000172728	FUT10	chr8	-	33347884	33349864	no

2229	3.75e-07	-5.02	ENSG00000152256	PDK1	chr2	+	173168803	173172108	no
2230	3.75e-07	-2.53	ENSG00000129083	COPB1	chr11	-	14443033	14443152	no
2230	3.75e-07	-5.53	ENSG00000129083	COPB1	chr11	-	14435631	14436005	no
2231	3.82e-07	-2.48	ENSG00000144867	SRPRB	chr3	+	135009280	135009357	no
2231	3.82e-07	-2.93	ENSG00000144867	SRPRB	chr3	+	135021087	135022213	no
2232	3.89e-07	-2.69	ENSG00000034063	UHRF1	chr19	+	4896873 4896977	no	
2232	3.89e-07	-3.7	ENSG00000034063	UHRF1	chr19	+	4911668 4913158	no	
2233	4.04e-07	-5.19	ENSG00000062485	CS	chr12	-	54980211	54980442	no
2234	4.11e-07	-2.58	ENSG00000157106	O75201	chr16	-	18844773	18845239	no
2234	4.11e-07	-2.39	ENSG00000157106	O75201	chr16	-	18773479	18773727	yes,JnId_h_29621
2234	4.11e-07	-2.9	ENSG00000157106	O75201	chr16	-	18771141	18771285	yes,JnId_h_29621
2235	4.14e-07	-2.91	ENSG00000005844	ITGAL	chr16	+	30391551	30391720	no
2236	4.17e-07	-5.3	ENSG00000112561	TFEB	chr6	-	41811066	41811324	no
2236	4.17e-07	-3.79	ENSG00000112561	TFEB	chr6	-	41759694	41760794	no
2237	4.20e-07	-5.64	ENSG00000141349	G6PC3	chr17	+	39503644	39504077	no
2238	4.29e-07	-4.02	ENSG00000061987	MON2	chr12	+	61239957	61241160	no
2239	4.38e-07	-3.37	ENSG00000076242	MLH1	chr3	+	37066981	37067341	no
2240	4.43e-07	-3.88	ENSG00000100461	RBM23	chr14	-	22439746	22440782	no
2241	4.45e-07	-3.42	ENSG00000104872	PIH1D1	chr19	-	54641620	54641763	no
2242	4.46e-07	-2.05	ENSG00000112096	SOD2	chr6	-	160023162	160023660	no
2243	4.46e-07	-4.22	ENSG00000163755	HPS3	chr3	+	150359143	150359323	no
2243	4.46e-07	-3.35	ENSG00000163755	HPS3	chr3	+	150372572	150373995	no
2244	4.55e-07	-3.74	ENSG00000108960	MMD	chr17	-	50824973	50826894	no
2245	4.58e-07	-2.66	ENSG00000142002	DPP9	chr19	-	4674686 4674875	no	
2245	4.58e-07	-2.94	ENSG00000142002	DPP9	chr19	-	4626237 4627691	no	
2246	4.64e-07	-2.28	ENSG00000138750	NUP54	chr4	-	77288485	77288679	no
2246	4.64e-07	-3.91	ENSG00000138750	NUP54	chr4	-	77254842	77255671	no
2247	4.66e-07	-2.7	ENSG00000119729	RHOQ	chr2	+	46661571	46662924	no
2248	4.7e-07	-8.12	ENSG00000129197	RPAIN	chr17	+	5263685 5264335	no	
2249	4.76e-07	-2.48	ENSG00000110057	UNC93B1	chr11	-	67527994	67528169	yes,JnId_b_11455
2250	4.81e-07	-3.32	ENSG00000108854	SMURF2	chr17	-	59971197	59972527	no
2251	4.99e-07	-5.3	ENSG00000166228	PCBD1	chr10	-	72318294	72318547	no
2252	5.1e-07	-4.92	ENSG00000100629	C14orf145	chr14	-	80032577	80033678	no
2253	5.15e-07	-4.01	ENSG00000085733	CTTN	chr11	+	69958780	69960337	no
2254	5.18e-07	-2.8	ENSG00000147274	RBMX	chrX	-	135785083	135785208	yes,JnId_h_82747
2254	5.18e-07	-2.84	ENSG00000147274	RBMX	chrX	-	135783286	135784277	yes,JnId_h_82748
2255	5.21e-07	-2.85	ENSG00000075413	MARK3	chr14	+	103038972	103039917	yes,JnId_h_25359
2256	5.23e-07	-4.15	ENSG00000102241	HTATSF1	chrX	+	135406904	135407264	no
2257	5.3e-07	-5.25	ENSG00000164164	OTUD4	chr4	-	146274253 146279252	no	
2258	5.31e-07	-4.52	ENSG00000167792	NDUFV1	chr11	+	67136167	67136312	no
2258	5.31e-07	-4.26	ENSG00000167792	NDUFV1	chr11	+	67136419	67136581	no
2259	5.32e-07	-5.17	ENSG00000204258	HLA-DMB	chr6	-	33010384	33010742	no
2260	5.44e-07	-2.65	ENSG00000163219	ARHGAP25	chr2	+	68902976	68903508	no
2260	5.44e-07	-2.22	ENSG00000163219	ARHGAP25	chr2	+	68906623	68907452	no
2261	5.46e-07	-11.74	ENSG00000123297	TSFM	chr12	+	56467090	56467212	no
2261	5.46e-07	-15.16	ENSG00000123297	TSFM	chr12	+	56476227	56477601	no
2262	5.47e-07	-2.62	ENSG00000124275	MTRR	chr5	+	7923883 7924036	no	
2262	5.47e-07	-6.07	ENSG00000124275	MTRR	chr5	+	7953027 7954237	no	
2263	5.57e-07	-2.69	ENSG00000157211	CDCP2	chr1	-	54422422	54424547	no
2264	5.59e-07	-4.51	ENSG00000152242	C18orf25	chr18	+	42096890	42100944	no
2265	5.73e-07	-2.12	ENSG00000129518	EAPP	chr14	-	34054887	34055543	no
2266	5.76e-07	-4.8	ENSG00000100902	PSMA6	chr14	+	34856206	34856431	no
2267	5.79e-07	-5.05	ENSG00000143373	ZNF687	chr1	+	149528778	149529107	no
2267	5.79e-07	-2.41	ENSG00000143373	ZNF687	chr1	+	149529815	149531005	no
2268	5.88e-07	-2.07	ENSG00000196290	NIF3L1	chr2	+	201476462	201476891	no
2269	5.91e-07	-2.37	ENSG00000138413	IDH1	chr2	-	208809199	208810138	no
2270	6.06e-07	-8.04	ENSG00000135912	TTLL4	chr2	+	219327101	219328380	no
2271	6.11e-07	-4.05	ENSG00000156030	C14orf43	chr14	-	73296219	73296745	no
2272	6.13e-07	-3.37	ENSG00000044446	PHKA2	chrX	-	18820339	18821694	no
2273	6.23e-07	-9.75	ENSG00000122140	MRPS2	chr9	+	137532237	137532420	no
2274	6.29e-07	-6.48	ENSG00000014138	POLA2	chr11	+	64819911	64820037	no
2274	6.29e-07	-4.73	ENSG00000014138	POLA2	chr11	+	64821167	64821663	no
2275	6.32e-07	-5.23	ENSG00000076641	PAG1	chr8	-	82042605	82051696	no
2276	6.33e-07	-6.12	ENSG00000163933	RFT1	chr3	-	53099851	53101126	no

2277	6.39e-07	-3.28	ENSG00000074695	LMAN1	chr18	-	55148088	55149341	no
2278	6.42e-07	-4.94	ENSG00000171055	FEZ2	chr2	-	36632910	36633826	no
2279	6.44e-07	-5.63	ENSG00000126814	TRMT5	chr14	-	60507922	60511665	no
2280	6.65e-07	-3.28	ENSG00000198498	Q96EY4	chr4	+	164659936	164661107	no
2281	6.92e-07	-36.52	ENSG00000198556	ZNF789	chr7	+	98922035	98923153	no
2282	7.08e-07	-10.31	ENSG00000128789	TNFSF5IP1	chr18	+	12692425	12693163	no
2282	7.08e-07	-3.53	ENSG00000128789	TNFSF5IP1	chr18	+	12715438	12715737	no
2283	7.14e-07	-20.18	ENSG00000173171	MTX1	chr1	+	153445114	153445747	no
2284	7.25e-07	-3.01	ENSG00000149428	HYOU1	chr11	-	118432941	118433035	yes,JnId_h_16140
2284	7.25e-07	-3.31	ENSG00000149428	HYOU1	chr11	-	118431415	118431493	"yes,JnId_h_16118;JnId_h_16127"
2284	7.25e-07	-2.04	ENSG00000149428	HYOU1	chr11	-	118430906	118430982	"yes,JnId_h_16118;JnId_h_16127"
2285	7.31e-07	-5.08	ENSG00000144579	CTDSP1	chr2	+	218972722	218973124	no
2286	7.33e-07	-4.7	ENSG00000111231	ATPBD1C	chr12	-	109374675	109375284	yes,JnId_h_19933
2287	7.44e-07	-155.47	ENSG00000166166	C14orf172	chr14	+	103070640	103073161	no
2288	7.56e-07	-3	ENSG00000135596	MICAL1	chr6	-	109882576	109882786	yes,JnId_b_55779
2289	7.58e-07	-2.28	ENSG00000100697	DICER1	chr14	-	94652543	94652785	no
2289	7.58e-07	-2.67	ENSG00000100697	DICER1	chr14	-	94622319	94626753	no
2290	7.83e-07	-2.88	ENSG00000105671	DDX49	chr19	+	18899937	18900436	no
2291	7.86e-07	-2.4	ENSG00000188342	GTF2F2	chr13	+	44755577	44756237	no
2292	7.99e-07	-3.58	ENSG00000164144	ARFIP1	chr4	+	154050666	154052514	no
2293	8.02e-07	-2.41	ENSG00000204560	DHX16	chr6	-	30731191	30731353	no
2294	8.13e-07	-2.77	ENSG00000164087	WDR51A	chr3	-	52105625	52105768	yes,JnId_h_57522
2294	8.13e-07	-4.02	ENSG00000164087	WDR51A	chr3	-	52084310	52085041	yes,JnId_h_57522
2295	8.2e-07	-2.85	ENSG00000104856	RELB	chr19	+	50232503	50233292	no
2296	8.2e-07	-5.86	ENSG00000185787	MORF4L1	chr15	+	76976380	76977127	no
2297	8.25e-07	-2.76	ENSG00000187735	TCEA1	chr8	-	55097176	55097561	no
2298	8.27e-07	-4.26	ENSG00000196199	Q5JPE5	chr13	+	19143974	19145581	no
2299	8.37e-07	-3.55	ENSG00000112335	SNX3	chr6	-	108639119	108640151	no
2300	8.59e-07	-2.28	ENSG00000113645	WWC1	chr5	+	167765781	167765910	no
2300	8.59e-07	-3.39	ENSG00000113645	WWC1	chr5	+	167828534	167829334	no
2301	8.67e-07	-2.18	ENSG00000136169	SETDB2	chr13	+	48963869	48964307	no
2302	8.78e-07	-2.5	ENSG00000111653	ING4	chr12	-	6629710	6630661	no
2303	8.84e-07	-2.54	ENSG00000165525	SDCCAG1	chr14	-	49336888	49337987	no
2303	8.84e-07	-2.48	ENSG00000165525	SDCCAG1	chr14	-	49320283	49321181	no
2304	8.97e-07	-3.99	ENSG00000157693	C9orf91	chr9	+	116413307	116413665	no
2305	9.09e-07	-2.73	ENSG00000100714	MTHFD1	chr14	+	63994685	63994778	no
2305	9.09e-07	-3.43	ENSG00000100714	MTHFD1	chr14	+	63996230	63996474	no
2306	9.16e-07	-7.62	ENSG00000125991	ERGIC3	chr20	+	33593192	33593348	no
2307	9.55e-07	-4.34	ENSG00000164125	C4orf18	chr4	-	159265459	159268216	no
2308	9.8e-07	-12.44	ENSG00000165156	ZHX1	chr8	-	124329878	124331741	no
2309	1.00e-06	-3.68	ENSG00000145817	YIPF5	chr5	-	143517924	143520316	no
2310	1.00e-06	-2.35	ENSG00000171960	PPIH	chr1	+	42896978	42897166	yes,JnId_b_2117
2310	1.00e-06	-3.96	ENSG00000171960	PPIH	chr1	+	42914842	42915015	no
2311	1.03e-06	-3.07	ENSG00000165271	NOL6	chr9	-	33463787	33463941	no
2311	1.03e-06	-3.17	ENSG00000165271	NOL6	chr9	-	33458750	33458870	no
2311	1.03e-06	-3.44	ENSG00000165271	NOL6	chr9	-	33454877	33455192	no
2312	1.03e-06	-2.07	ENSG00000080986	NDC80	chr18	+	2589018	2589170	yes,JnId_b_30124
2313	1.04e-06	-2.7	ENSG00000204394	VARS	chr6	-	31867973	31868057	no
2314	1.07e-06	-2.64	ENSG00000112078	KCTD20	chr6	+	36518522	36518866	no
2315	1.07e-06	-3.14	ENSG00000188706	ZDHHC9	chrX	-	128764945	128768143	no
2316	1.11e-06	-2.32	ENSG00000156515	HK1	chr10	+	70814558	70814677	no
2316	1.11e-06	-2.47	ENSG00000156515	HK1	chr10	+	70821887	70822070	no
2317	1.11e-06	-3.26	ENSG00000115368	WDR75	chr2	+	190048184	190048509	no
2318	1.18e-06	-3.4	ENSG00000108528	SLC25A11	chr17	-	4781169	4781936	no
2319	1.20e-06	-6.48	ENSG00000169682	LAT	chr16	+	28903027	28904339	no
2320	1.24e-06	-6.37	ENSG00000132305	IMMT	chr2	-	86275972	86276108	yes,JnId_b_37579
2320	1.24e-06	-3.28	ENSG00000132305	IMMT	chr2	-	86254284	86254395	yes,JnId_b_37575
2321	1.25e-06	-2.61	ENSG00000135002	RFK	chr9	-	78190253	78192265	no
2322	1.27e-06	-5.62	ENSG00000070047	K1542_HUMAN	chr11	+	601634	602220	yes,JnId_h_12010
2323	1.28e-06	-4.3	ENSG00000171109	MFN1	chr3	+	180592463	180593700	no
2324	1.29e-06	-3.07	ENSG00000117616	Clorf63	chr1	-	25536118	25537243	no
2324	1.29e-06	-2.86	ENSG00000117616	Clorf63	chr1	-	25441327	25441783	no
2325	1.29e-06	-5.92	ENSG00000160058	BSDC1	chr1	-	32603291	32606738	yes,JnId_h_2050
2326	1.29e-06	-3.07	ENSG00000116584	ARHGEF2	chr1	-	154214780	154214942	no

2327	1.31e-06	-6.79	ENSG00000130706	ADRM1	chr20	+	60311422	60311500	yes,JnId_b_41737
2328	1.31e-06	-2.71	ENSG00000141858	SAMD1	chr19	-	14061597	14061911	no
2329	1.37e-06	-2.03	ENSG00000100883	SRP54	chr14	+	34561867	34562037	no
2329	1.37e-06	-4.57	ENSG00000100883	SRP54	chr14	+	34568018	34568522	no
2330	1.38e-06	-3.83	ENSG00000135999	EPC2	chr2	+	149260344	149261608	no
2331	1.43e-06	-4.76	ENSG00000107719	KIAA1274	chr10	+	71908570	71908821	no
2331	1.43e-06	-3.03	ENSG00000107719	KIAA1274	chr10	+	71970864	71971004	no
2331	1.43e-06	-2.81	ENSG00000107719	KIAA1274	chr10	+	71996343	71998211	no
2332	1.46e-06	-2.03	ENSG00000137497	NUMA1	chr11	-	71408188	71408311	no
2332	1.46e-06	-2.03	ENSG00000137497	NUMA1	chr11	-	71401589	71404954	yes,JnId_b_11649
2332	1.46e-06	-2.24	ENSG00000137497	NUMA1	chr11	-	71399480	71399548	yes,JnId_h_15039
2333	1.46e-06	-3.25	ENSG00000140948	ZCCHC14	chr16	-	85998785	86001442	no
2334	1.50e-06	-5.92	ENSG00000162607	USP1	chr1	+	62674563	62674821	no
2335	1.52e-06	-2.66	ENSG00000119718	EIF2B2	chr14	+	74545487	74546045	no
2336	1.54e-06	-2.82	ENSG00000130305	NSUN5	chr7	-	72360631	72360759	no
2336	1.54e-06	-2.81	ENSG00000130305	NSUN5	chr7	-	72355163	72355673	yes,JnId_h_71986
2337	1.55e-06	-2.15	ENSG00000105229	PIAS4	chr19	+	3988614	3990383	no
2338	1.56e-06	-3.13	ENSG00000099904	ZDHHC8	chr22	+	18499364	18499574	no
2339	1.59e-06	-12.28	ENSG00000134460	IL2RA	chr10	-	6092658	6094865	no
2340	1.63e-06	-7.67	ENSG00000106803	SEC61B	chr9	+	101032440	101032715	no
2341	1.65e-06	-3.3	ENSG00000171311	EXOSC1	chr10	-	99185889	99186298	no
2342	1.71e-06	-4.23	ENSG00000125503	PPP1R12C	chr19	-	60320403	60320739	no
2343	1.71e-06	-39.27	ENSG00000102050	PRAF2	chrX	-	48816634	48817253	no
2344	1.75e-06	-2.24	ENSG00000167483	FAM129C	chr19	+	17502564	17502694	yes,JnId_b_33072
2345	1.80e-06	-6.33	ENSG00000174720	LARP7	chr4	+	113790140	113790291	no
2346	1.80e-06	-2.4	ENSG00000070190	DAPP1	chr4	+	101008297	101010334	no
2347	1.88e-06	-4.88	ENSG00000166181	API5	chr11	+	43305915	43306004	no
2347	1.88e-06	-8.15	ENSG00000166181	API5	chr11	+	43320559	43322655	no
2348	1.88e-06	-3.33	ENSG00000147533	GOLGA7	chr8	+	41486260	41487650	no
2349	1.90e-06	-5.96	ENSG00000110717	NDUFS8	chr11	+	67554670	67554776	no
2350	1.92e-06	-3.26	ENSG00000103429	BFAR	chr16	+	14656424	14656568	no
2350	1.92e-06	-2	ENSG00000103429	BFAR	chr16	+	14668993	14670193	no
2351	2.00e-06	-3.32	ENSG00000179364	PACS2	chr14	+	104931936	104932592	no
2352	2,00E-06	-2.08	ENSG00000141002	TCF25	chr16	+	88478491	88478565	no
2352	2,00E-06	-2.57	ENSG00000141002	TCF25	chr16	+	88501152	88501231	yes,JnId_h_32187
2352	2,00E-06	-4.63	ENSG00000141002	TCF25	chr16	+	88504989	88505293	no
2353	2.01e-06	-4.27	ENSG00000166925	TSC22D4	chr7	-	99902080	99902727	no
2354	2.07e-06	-4.26	ENSG00000175782	SLC35E3	chr12	+	67444751	67446120	no
2355	2.11e-06	-8.39	ENSG00000122741	WDR32	chr9	+	37851137	37853322	no
2356	2.14e-06	-2.18	ENSG00000104812	GYS1	chr19	-	54165997	54166092	yes,JnId_h_43413
2357	2.20e-06	-5.7	ENSG00000183785	PEX26	chr22	+	16989121	16989801	no
2358	2.21e-06	-2.87	ENSG00000092208	SIP1	chr14	+	38675395	38675926	no
2359	2.23e-06	-3.48	ENSG00000131507	NDFIP1	chr5	+	141511480	141513222	no
2360	2.23e-06	-2.14	ENSG00000168393	DTYMK	chr2	-	242274742	242274900	no
2360	2.23e-06	-3.19	ENSG00000168393	DTYMK	chr2	-	242263830	242264325	no
2361	2.29e-06	-2.51	ENSG00000172732	MUS81	chr11	+	65384525	65384935	no
2361	2.29e-06	-2.6	ENSG00000172732	MUS81	chr11	+	65390033	65390485	no
2362	2.29e-06	-2.07	ENSG0000010671	BTK	chrX	-	100516180	100516278	no
2362	2.29e-06	-2.43	ENSG0000010671	BTK	chrX	-	100496274	100496338	no
2362	2.29e-06	-3.16	ENSG0000010671	BTK	chrX	-	100491091	100491600	no
2363	2.30e-06	-2.81	ENSG00000087095	NLK	chr17	+	23545735	23547529	no
2364	2.33e-06	-3.25	ENSG00000089693	MLF2	chr12	-	6732366	6732561	no
2365	2.35e-06	-3.02	ENSG00000100014	SPECC1L	chr22	+	23056224	23056399	no
2366	2.35e-06	-2.07	ENSG00000109920	FNBP4	chr11	-	47745191	47745605	"yes,JnId_h_13409;JnId_h_13410"
2366	2.35e-06	-3.73	ENSG00000109920	FNBP4	chr11	-	47694648	47695640	no
2367	2.41e-06	-7.79	ENSG00000062582	MRPS24	chr7	-	43872685	43873106	no
2368	2.47e-06	-30.31	ENSG00000136802	LRRC8A	chr9	+	130718196	130720139	no
2369	2.48e-06	-3.66	ENSG00000117222	RBBP5	chr1	-	203321893	203324566	no
2370	2.48e-06	-4.04	ENSG00000066322	ELOVL1	chr1	-	43606173	43606263	no
2370	2.48e-06	-3.7	ENSG00000066322	ELOVL1	chr1	-	43601428	43602395	no
2371	2.49e-06	-2.81	ENSG00000108094	CUL2	chr10	-	35337485	35339376	no
2372	2.54e-06	-2.37	ENSG00000134516	DOCK2	chr5	+	169442378	169442959	no
2373	2.55e-06	-9.03	ENSG00000105865	DUS4L	chr7	+	107004994	107006204	no
2374	2.56e-06	-2.94	ENSG00000111670	GNPTAB	chr12	-	100703921	100704126	no

2374	2.56e-06	-3.02	ENSG00000111670	GNPTAB	chr12	-	100663409	100665150	no
2375	2.56e-06	-2.03	ENSG00000122965	RBM19	chr12	-	112871021	112871224	no
2375	2.56e-06	-6.16	ENSG00000122965	RBM19	chr12	-	112738930	112740374	no
2376	2.58e-06	-3.71	ENSG00000054219	LY75	chr2	-	160368122	160369979	no
2377	2.62e-06	-2.01	ENSG00000028277	POU2F2	chr19	-	47288061	47288262	no
2378	2.66e-06	-2.95	ENSG00000141971	FAM125A	chr19	+	17396740	17397141	no
2379	2.69e-06	-4.53	ENSG00000162647	C1orf119	chr1	+	109438562	109441079	no
2380	2.71e-06	-2.21	ENSG00000183048	SLC25A10	chr17	+	77297411	77298446	no
2381	2.77e-06	-3.5	ENSG00000154767	XPC	chr3	-	14161651	14162660	no
2382	2.81e-06	-3.49	ENSG00000101003	GINS1	chr20	+	25374559	25377191	no
2383	2.83e-06	-3	ENSG00000070413	DGCR2	chr22	-	17489641	17489962	no
2383	2.83e-06	-2.83	ENSG00000070413	DGCR2	chr22	-	17403801	17406634	no
2384	2.85e-06	-7.44	ENSG00000203791	Q5JPI9	chr10	-	126437396	126439062	no
2385	2.88e-06	-2.49	ENSG0000023330	ALAS1	chr3	+	52221314	52221476	yes,JnId_b_46177
2385	2.88e-06	-2.64	ENSG00000171320	ESCO2	chr8	+	27716742	27718661	no
2387	2.94e-06	-2.54	ENSG00000139514	SLC7A1	chr13	-	29067553	29067721	no
2387	2.94e-06	-2.03	ENSG00000139514	SLC7A1	chr13	-	28989004	28989447	no
2388	2.96e-06	-2.34	ENSG00000013561	RNF14	chr5	+	141347482	141348934	no
2389	2.99e-06	-2.86	ENSG00000108389	MTMR4	chr17	-	53939103	53939231	no
2389	2.99e-06	-3.74	ENSG00000108389	MTMR4	chr17	-	53921897	53924200	no
2390	3.12e-06	-11.69	ENSG00000007392	LUC7L	chr16	-	178971 180135	"yes,JnId_h_28315;JnId_h_28317"	
2391	3.23e-06	-5.86	ENSG00000142453	CARM1	chr19	+	10843253	10843598	no
2391	3.23e-06	-3.52	ENSG00000142453	CARM1	chr19	+	10891271	10891356	no
2391	3.23e-06	-7.15	ENSG00000142453	CARM1	chr19	+	10893051	10893119	yes,JnId_h_40674
2391	3.23e-06	-2.13	ENSG00000069248	NUP133	chr1	-	227708410	227708528	no
2391	3.23e-06	-2.77	ENSG00000069248	NUP133	chr1	-	227660531	227660666	no
2391	3.23e-06	-3.78	ENSG00000069248	NUP133	chr1	-	227643667	227644410	no
2393	3.24e-06	-2.54	ENSG00000112651	MRPL2	chr6	-	43129745	43130202	yes,JnId_b_54879
2394	3.33e-06	-2.67	ENSG00000176619	LMNB2	chr19	-	2407668 2407958	no	
2394	3.33e-06	-3.7	ENSG00000176619	LMNB2	chr19	-	2382781 2382900	no	
2395	3.33e-06	-3.79	ENSG00000174206	Q8IYA0	chr12	-	62866366	62867699	no
2396	3.35e-06	-2.05	ENSG00000126787	DLG7	chr14	-	54688166	54688412	no
2396	3.35e-06	-4.99	ENSG00000126787	DLG7	chr14	-	54684601	54684944	no
2397	3.38e-06	-7.3	ENSG00000170185	USP38	chr4	+	144360898	144362087	no
2398	3.38e-06	-13.43	ENSG00000167657	DAPK3	chr19	-	3909454 3910635	no	
2399	3.41e-06	-2.69	ENSG00000197530	MIB2	chr1	+	1548632 1548942	yes,JnId_h_196	
2400	3.41e-06	-2.16	ENSG00000133704	IPO8	chr12	-	30681183	30681388	no
2400	3.41e-06	-2.19	ENSG00000133704	IPO8	chr12	-	30673190	30675158	no
2401	3.46e-06	-3.63	ENSG00000072310	SREBF1	chr17	-	17657608	17657808	no
2401	3.46e-06	-4.46	ENSG00000072310	SREBF1	chr17	-	17656111	17656890	no
2402	3.48e-06	-2.75	ENSG00000055147	C5orf3	chr5	-	153351519	153352863	no
2403	3.52e-06	-2.33	ENSG00000175137	SH3BP5L	chr1	-	247086657	247087455	no
2404	3.53e-06	-3.4	ENSG00000119321	FKBP15	chr9	-	114967621	114968256	no
2405	3.54e-06	-3.97	ENSG00000079313	REXO1	chr19	-	1799201 1799450	no	
2406	3.59e-06	-3.82	ENSG00000006125	AP2B1	chr17	+	30938395	30938560	no
2407	3.64e-06	-2.42	ENSG00000167674	Q9BW08	chr19	+	4423255 4423419	no	
2407	3.64e-06	-4.25	ENSG00000167674	Q9BW08	chr19	+	4452923 4453213	yes,JnId_h_39896	
2408	3.69e-06	-3.21	ENSG00000157538	DSCR3	chr21	-	37561409	37562090	no
2409	3.70e-06	-2.04	ENSG00000104960	PTOV1	chr19	+	55055337	55055405	yes,JnId_h_43652
2409	3.70e-06	-2.38	ENSG00000104960	PTOV1	chr19	+	55055635	55055802	no
2410	3.70e-06	-2.08	ENSG00000147475	ERLIN2	chr8	+	37722245	37723198	no
2411	3.8e-06	-4.82	ENSG00000020922	MRE11A	chr11	-	93790123 93792995	no	
2412	3.92e-06	-2.49	ENSG00000172780	RAB43	chr3	-	130362506	130362719	no
2413	3.96e-06	-3.87	ENSG00000136536	MARCH7	chr2	+	160332041	160333329	no
2414	3.99e-06	-3.05	ENSG00000077097	TOP2B	chr3	-	25653710	25653807	"yes,JnId_b_45056;JnId_b_45072"
2414	3.99e-06	-2.24	ENSG00000077097	TOP2B	chr3	-	25646524	25646649	"yes,JnId_b_45056;JnId_b_45072"
2414	3.99e-06	-2.15	ENSG00000077097	TOP2B	chr3	-	25622538	25622617	yes,JnId_b_45056
2415	3.99e-06	-3.26	ENSG00000122550	KLHL7	chr7	+	23180159	23181561	no
2416	4.18e-06	-6.7	ENSG00000167863	ATP5H	chr17	-	70546550	70546753	no
2417	4.18e-06	-4.69	ENSG00000155189	AGPAT5	chr8	+	6602092 6604592	no	
2418	4.19e-06	-11.73	ENSG00000168916	ZNF608	chr5	-	124000509	124001498	no
2419	4.21e-06	-2.3	ENSG00000165487	EFHA1	chr13	-	20964839	20965492	no
2420	4.21e-06	-2.87	ENSG00000023191	RNH1	chr11	-	497113 497300	yes,JnId_h_11989	
2421	4.32e-06	-3.07	ENSG00000110435	PDHX	chr11	+	34973037	34974092	no

2422	4.35e-06	-3.52	ENSG00000068724	TTC7A	chr2	+	47031006	47031169	no
2422	4.35e-06	-2.03	ENSG00000068724	TTC7A	chr2	+	47102505	47102622	no
2422	4.35e-06	-3.37	ENSG00000068724	TTC7A	chr2	+	47130592	47130689	no
2423	4.43e-06	-2.24	ENSG00000137100	DCTN3	chr9	-	34604460	34604765	yes,JnId_b_62068
2424	4.5e-06	-3.09	ENSG00000047579	DTNBP1	chr6	-	15631787	15632879	no
2425	4.52e-06	-3.86	ENSG00000102226	USP11	chrX	+	46977258	46977562	no
2426	4.61e-06	-2.64	ENSG00000039123	SKIV2L2	chr5	+	54678598	54678729	yes,JnId_b_51118
2426	4.61e-06	-4.87	ENSG00000039123	SKIV2L2	chr5	+	54709899	54710071	yes,JnId_b_51118
2426	4.61e-06	-2.79	ENSG00000039123	SKIV2L2	chr5	+	54754463	54754567	no
2427	4.61e-06	-3.05	ENSG00000177084	POLE	chr12	-	131763205	131763312	yes,JnId_h_21136
2427	4.61e-06	-2.5	ENSG00000177084	POLE	chr12	-	131743795	131743917	"yes,JnId_h_21105;JnId_h_21110"
2428	4.62e-06	-2.15	ENSG00000140553	UNC45A	chr15	+	89279778	89279939	yes,JnId_h_28079
2428	4.62e-06	-2.26	ENSG00000140553	UNC45A	chr15	+	89297693	89298326	no
2429	4.63e-06	-3.38	ENSG00000177963	RIC8A	chr11	+	198530	198938	no
2430	4.65e-06	-9.91	ENSG00000174227	PIGG	chr4	+	514629	517770	no
2431	4.72e-06	-10.24	ENSG00000131759	RARA	chr17	+	35765787	35767420	no
2432	4.8e-06	-5.71	ENSG00000117614	SYF2	chr1	-	25421759	25422509	no
2433	4.89e-06	-4.19	ENSG00000116898	MRPS15	chr1	-	36693906	36694113	no
2434	4.94e-06	-5.33	ENSG00000086065	CHMP5	chr9	+	33270807	33271525	no
2435	4.95e-06	-2.34	ENSG00000149474	CSRP2BP	chr20	+	18115930	18117031	no
2436	4.96e-06	-2.54	ENSG00000146826	C7orf43	chr7	-	99589983	99590723	no
2437	5.04e-06	-3.5	ENSG00000117906	RCN2	chr15	+	75028466	75029349	no
2438	5.06e-06	-5.82	ENSG00000149547	EI24	chr11	+	124944508	124944679	no
2438	5.06e-06	-2.68	ENSG00000149547	EI24	chr11	+	124956317	124956428	no
2438	5.06e-06	-3.55	ENSG00000149547	EI24	chr11	+	124958626	124959784	no
2439	5.08e-06	-3.33	ENSG00000119185	ITGB1BP1	chr2	-	9464142	9464485	no
2439	5.08e-06	-4.38	ENSG00000119185	ITGB1BP1	chr2	-	9463264	9463637	no
2440	5.08e-06	-2.51	ENSG00000129353	SLC44A2	chr19	+	10606650	10606749	no
2440	5.08e-06	-2.47	ENSG00000129353	SLC44A2	chr19	+	10609320	10609423	no
2440	5.08e-06	-3.4	ENSG00000129353	SLC44A2	chr19	+	10609699	10609769	no
2441	5.13e-06	-3.54	ENSG00000185359	HGS	chr17	+	77261425	77261538	no
2442	5.17e-06	-2.55	ENSG00000121851	POLR3GL	chr1	-	144167593	144168080	no
2443	5.27e-06	-6.69	ENSG00000162437	RAVER2	chr1	+	65069110	65071500	no
2444	5.33e-06	-6.85	ENSG00000116062	MSH6	chr2	+	47887422	47887588	no
2445	5.65e-06	-2.41	ENSG00000131437	KIF3A	chr5	-	132056267	132060273	no
2446	5.65e-06	-2.45	ENSG00000161277	THAP8	chr19	-	41236877	41237504	no
2447	5.65e-06	-2.79	ENSG00000162063	CCNF	chr16	+	2421132	2421286	yes,JnId_h_28972
2448	5.67e-06	-3.14	ENSG00000142751	ATPBD1B	chr1	-	27078360	27078827	no
2449	5.71e-06	-2.61	ENSG00000103197	TSC2	chr16	+	2038589	2038755	yes,JnId_b_22609
2449	5.71e-06	-2.19	ENSG00000103197	TSC2	chr16	+	2045404	2045521	yes,JnId_b_22609
2449	5.71e-06	-2.36	ENSG00000103197	TSC2	chr16	+	2061512	2061618	yes,JnId_b_22609
2449	5.71e-06	-2.12	ENSG00000103197	TSC2	chr16	+	2078448	2078713	no
2450	5.82e-06	-2.01	ENSG00000198286	CARD11	chr7	-	3049827	3050025	no
2450	5.82e-06	-3.32	ENSG00000198286	CARD11	chr7	-	2930393	2930525	no
2450	5.82e-06	-3.88	ENSG00000198286	CARD11	chr7	-	2919447	2919626	no
2450	5.82e-06	-2.46	ENSG00000198286	CARD11	chr7	-	2912309	2913002	no
2451	5.94e-06	-13.56	ENSG00000186106	ANKRD46	chr8	-	101602178	101604175	no
2452	6.07e-06	-2.84	ENSG00000113300	CNOT6	chr5	+	179933594	179937959	no
2453	6.17e-06	-3.34	ENSG00000173085	COQ2	chr4	-	84404003	84404540	no
2454	6.18e-06	-2.63	ENSG00000159753	Q86XL4	chr16	+	66236531	66236690	no
2455	6.29e-06	-2.18	ENSG00000138663	COPS4	chr4	+	84197435	84197585	no
2455	6.29e-06	-7.47	ENSG00000138663	COPS4	chr4	+	84215474	84215994	no
2456	6.35e-06	-2.29	ENSG00000136045	PWP1	chr12	+	106630018	106630387	no
2457	6.39e-06	-2.77	ENSG00000174917	Q86YE5	chr19	-	5631469	5631911	no
2458	6.39e-06	-2.96	ENSG00000125676	THOC2	chrX	-	122648079	122648245	no
2458	6.39e-06	-2.03	ENSG00000125676	THOC2	chrX	-	122629691	122629846	no
2458	6.39e-06	-3.14	ENSG00000125676	THOC2	chrX	-	122628638	122628810	no
2458	6.39e-06	-2.09	ENSG00000125676	THOC2	chrX	-	122587444	122587601	no
2459	6.46e-06	-2.1	ENSG00000158623	TSGA13	chr7	-	130004012	130004563	no
2460	6.48e-06	-3.16	ENSG00000197283	SYNGAP1	chr6	+	33527515	33533296	yes,JnId_h_67939
2461	6.49e-06	-3.36	ENSG00000135521	LTV1	chr6	+	144226247	144226642	no
2462	6.56e-06	-3.36	ENSG00000141720	PIP5K2B	chr17	-	34209045	34209684	no
2463	6.8e-06	-2.17	ENSG00000062822	POLD1	chr19	+	55610507	55610659	yes,JnId_h_43771
2464	6.87e-06	-2.44	ENSG00000104637	Q6QWG9	chr8	-	10659885	10660836	yes,JnId_b_59578

2465	7.01e-06	-2.72	ENSG00000118873	RAB3GAP2	chr1	-	218388258	218391371	no
2466	7.12e-06	-2.41	ENSG00000130254	SAFB2	chr19	-	5538879	5538991	no
2467	7.29e-06	-12.89	ENSG00000067182	TNFRSF1A	chr12	-	6308185	6309049	no
2468	7.34e-06	-7.84	ENSG00000114745	GORASP1	chr3	-	39123974	39124858	no
2469	7.4e-06	-6.03	ENSG00000168067	MAP4K2	chr11	-	64327102	64327289	no
2469	7.4e-06	-2.09	ENSG00000168067	MAP4K2	chr11	-	64313185	64313672	no
2470	7.64e-06	-2.17	ENSG00000137409	MTCH1	chr6	-	37061607	37062052	no
2470	7.64e-06	-2.54	ENSG00000137409	MTCH1	chr6	-	37043895	37045868	no
2471	7.69e-06	-2.75	ENSG00000171497	PPID	chr4	-	159849730	159850426	no
2472	7.8e-06	-3.42	ENSG00000136783	NIPSNAP3A	chr9	+	106561364	106562226	no
2473	7.88e-06	-2.43	ENSG00000139626	ITGB7	chr12	-	51881123	51881245	yes,JnId_b_14058
2473	7.88e-06	-2.17	ENSG00000139626	ITGB7	chr12	-	51871910	51872070	no
2473	7.88e-06	-3.45	ENSG00000139626	ITGB7	chr12	-	51871375	51871687	no
2474	7.93e-06	-8.13	ENSG00000107362	FAM108B1	chr9	-	73669888	73671742	no
2475	7.98e-06	-3.73	ENSG00000067836	ROGDI	chr16	-	4792529	4792952	no
2476	8.21e-06	-2.26	ENSG00000176623	FAM82B	chr8	-	87555454	87555703	no
2477	8.23e-06	-5.66	ENSG00000042429	CRSP6	chr11	+	93184667	93186102	no
2478	8.4e-06	-47.74	ENSG00000166562	SEC11C	chr18	+	54976844	54977041	no
2479	8.47e-06	-4.58	ENSG00000165671	NSD1	chr5	+	176494711	176495637	yes,JnId_h_66440
2479	8.47e-06	-3.04	ENSG00000165671	NSD1	chr5	+	176597844	176598114	yes,JnId_h_66445
2480	8.48e-06	-2.38	ENSG00000079785	DDX1	chr2	+	15688351	15688676	no
2481	8.59e-06	-3.68	ENSG00000070367	EXOC5	chr14	-	56738954	56745268	no
2482	8.6e-06	-2.04	ENSG00000126012	JARID1C	chrX	-	53257694	53257813	yes,JnId_h_81327
2482	8.6e-06	-2.18	ENSG00000126012	JARID1C	chrX	-	53238059	53239239	no
2483	8.64e-06	-4.76	ENSG00000164211	STARD4	chr5	-	110859630	110863703	no
2484	8.68e-06	-7.03	ENSG00000116017	ARID3A	chr19	+	880262	880896	no
2484	8.68e-06	-3.79	ENSG00000116017	ARID3A	chr19	+	883418	883742	no
2484	8.68e-06	-3.6	ENSG00000116017	ARID3A	chr19	+	922878	923781	no
2485	8.9e-06	-3.61	ENSG00000074054	CLASP1	chr2	-	122079747	122080226	no
2486	8.98e-06	-3.53	ENSG00000163808	KIF15	chr3	+	44869169	44869745	no
2487	9.21e-06	-4.54	ENSG00000180448	HMHA1	chr19	+	1018174	1018494	no
2487	9.21e-06	-2.54	ENSG00000180448	HMHA1	chr19	+	1031254	1031378	no
2487	9.21e-06	-2.47	ENSG00000180448	HMHA1	chr19	+	1036659	1037627	no
2488	1.01e-05	-3.24	ENSG00000177728	KIAA0195	chr17	+	71006938	71007758	no
2489	1.01e-05	-2.63	ENSG00000152291	TGOLN2	chr2	-	85408551	85408885	no
2490	1.02e-05	-3.92	ENSG00000120662	MTRF1	chr13	-	40688505	40689364	no
2491	1.03e-05	-3.99	ENSG00000138686	BBS7	chr4	-	122965089	122966598	no
2492	1.03e-05	-4.26	ENSG00000134294	SLC38A2	chr12	-	45038239	45041259	no
2493	1.04e-05	-2.83	ENSG00000144029	MRPS5	chr2	-	95116680	95117053	no
2494	1.05e-05	-2.24	ENSG00000108510	THRAP1	chr17	-	57377824	57378743	yes,JnId_h_36393
2495	1.05e-05	-3.01	ENSG00000068912	C2orf30	chr2	+	53898539	53899437	no
2496	1.06e-05	-3.06	ENSG00000165304	MELK	chr9	+	36667157	36667678	no
2497	1.10e-05	-2.07	ENSG00000116984	MTR	chr1	+	235127481	235133904	no
2498	1.13e-05	-4.28	ENSG00000147454	SLC25A37	chr8	+	23485183	23486008	no
2499	1.13e-05	-5.19	ENSG00000185515	BRCC3	chrX	+	154002692	154004543	no
2500	1.15e-05	-3.36	ENSG00000099308	MAST3	chr19	+	18121001	18123494	no
2501	1.16e-05	-2.62	ENSG00000135776	ABCB10	chr1	-	227718952	227720780	no
2502	1.18e-05	-2.05	ENSG00000131370	SH3BP5	chr3	-	15271248	15272814	no
2503	1.22e-05	-3.29	ENSG00000160741	CRTC2	chr1	-	152197445	152197725	no
2503	1.22e-05	-5.28	ENSG00000160741	CRTC2	chr1	-	152186775	152187429	no
2504	1.22e-05	-2.58	ENSG00000066557	LRRC40	chr1	-	70383076	70384176	no
2505	1.24e-05	-3.15	ENSG00000033178	UBEL12	chr4	-	68165123	68167445	no
2506	1.27e-05	-53.95	ENSG00000005436	C2orf3	chr2	-	75742802	75745417	no
2507	1.29e-05	-3.58	ENSG00000131375	CAPN7	chr3	+	15267627	15269426	no
2508	1.30e-05	-3.17	ENSG00000101161	PRPF6	chr20	+	62129400	62129533	no
2508	1.30e-05	-2.56	ENSG00000101161	PRPF6	chr20	+	62133715	62133841	no
2508	1.30e-05	-6.02	ENSG00000101161	PRPF6	chr20	+	62134638	62134893	no
2509	1.30e-05	-2.42	ENSG00000131558	EXOC4	chr7	+	133399584	133401051	no
2510	1.31e-05	-13.83	ENSG00000050130	C14orf100	chr14	+	59040325	59041187	no
2511	1.32e-05	-3.51	ENSG00000089177	C20orf23	chr20	-	16307450	16308808	yes,JnId_h_50339
2512	1.32e-05	-2.87	ENSG00000102901	CENPT	chr16	-	66425154	66425504	no
2512	1.32e-05	-3.53	ENSG00000102901	CENPT	chr16	-	66420071	66420247	yes,JnId_h_31185
2513	1.35e-05	-8.08	ENSG00000103037	SETD6	chr16	+	57110129	57111051	no
2514	1.36e-05	-2.29	ENSG00000198663	C6orf89	chr6	+	36999101	37002294	no

2515	1.37e-05	-3.84	ENSG00000112294	ALDH5A1	chr6	+	24610730	24610813	no
2515	1.37e-05	-2.17	ENSG00000112294	ALDH5A1	chr6	+	24623374	24623517	yes,JnId_b_53696
2516	1.39e-05	-2.9	ENSG00000128463	TMEM85	chr15	+	32309246	32309642	yes,JnId_b_20323
2517	1.4e-05	-2.04	ENSG00000074319	TSG101	chr11	-	18497642	18497726	yes,JnId_h_12796
2517	1.4e-05	-5.31	ENSG00000074319	TSG101	chr11	-	18459753	18459992	no
2517	1.4e-05	-3.58	ENSG00000074319	TSG101	chr11	-	18458438	18458758	no
2518	1.41e-05	-2.81	ENSG00000000460	C1orf112	chr1	+	168088555	168089845	no
2519	1.41e-05	-2.53	ENSG00000148835	TAF5	chr10	+	105137753	105138812	no
2520	1.42e-05	-7.13	ENSG00000120616	EPC1	chr10	-	32596694	32598069	no
2521	1.42e-05	-3.1	ENSG00000162300	ZFPL1	chr11	+	64611364	64611481	no
2521	1.42e-05	-2.04	ENSG00000162300	ZFPL1	chr11	+	64611976	64612450	no
2522	1.45e-05	-2.22	ENSG00000133119	RFC3	chr13	+	33307285	33307354	no
2522	1.45e-05	-4.21	ENSG00000133119	RFC3	chr13	+	33308241	33309633	no
2523	1.46e-05	-2.84	ENSG00000125257	ABCC4	chr13	-	94470090	94471937	no
2524	1.46e-05	-2.7	ENSG00000065989	PDE4A	chr19	+	10430645	10431174	no
2525	1.46e-05	-2.13	ENSG00000135940	COX5B	chr2	+	97630891	97631086	no
2526	1.47e-05	-2.06	ENSG00000165782	TMEM55B	chr14	-	19999183	19999476	no
2526	1.47e-05	-2.61	ENSG00000165782	TMEM55B	chr14	-	19995858	19996701	no
2527	1.49e-05	-3.05	ENSG00000167081	PBX3	chr9	+	127767931	127769477	no
2528	1.54e-05	-9.15	ENSG00000165288	BRWD3	chrX	-	79813009	79819518	no
2529	1.57e-05	-3.56	ENSG00000027847	B4GALT7	chr5	+	176966909	176967134	no
2529	1.57e-05	-12.16	ENSG00000027847	B4GALT7	chr5	+	176969147	176969918	no
2530	1.65e-05	-4.96	ENSG00000158864	NDUFS2	chr1	+	159438561	159438894	no
2530	1.65e-05	-2.1	ENSG00000158864	NDUFS2	chr1	+	159450570	159450809	yes,JnId_h_6303
2531	1.70e-05	-3.93	ENSG00000115415	STAT1	chr2	-	191542121	191543688	no
2532	1.72e-05	-4.03	ENSG00000160293	VAV2	chr9	-	135847018	135847547	no
2532	1.72e-05	-4.37	ENSG00000160293	VAV2	chr9	-	135623385	135623539	no
2532	1.72e-05	-5.91	ENSG00000160293	VAV2	chr9	-	135616837	135619052	no
2533	1.75e-05	-2.95	ENSG00000101104	C20orf119	chr20	+	42972117	42972391	no
2534	1.76e-05	-7.2	ENSG00000075188	NUP37	chr12	-	100992105	100992375	yes,JnId_h_19524
2535	1.78e-05	-6.82	ENSG00000078747	ITCH	chr20	+	32559161	32562859	no
2536	1.80e-05	-2.15	ENSG0000013563	DNASE1L1	chrX	-	153290088	153290808	no
2537	1.84e-05	-2.12	ENSG00000112079	STK38	chr6	-	36574118	36574241	no
2537	1.84e-05	-2.43	ENSG00000112079	STK38	chr6	-	36569647	36571669	no
2538	1.88e-05	-6.45	ENSG00000184436	THAP7	chr22	-	19686121	19686404	yes,JnId_h_53543
2539	1.89e-05	-2.85	ENSG00000197345	MRPL21	chr11	-	68415323	68415439	no
2540	1.89e-05	-2.62	ENSG00000177225	PDDC1	chr11	-	759631	760903	yes,JnId_b_8971
2541	1.93e-05	-3.33	ENSG00000147133	TAF1	chrX	+	70600399	70602580	no
2542	1.95e-05	-5.56	ENSG00000170456	Q68CZ7	chr12	-	31428985	31431987	no
2543	2.00e-05	-3.16	ENSG00000135451	TROAP	chr12	+	48011264	48011457	no
2543	2.00e-05	-5.42	ENSG00000135451	TROAP	chr12	+	48011623	48011781	no
2544	2.01e-05	-2.49	ENSG00000179750	APOBEC3B	chr22	+	37717985	37718729	no
2545	2.01e-05	-4.32	ENSG00000179526	SHARPIN	chr8	-	145230444	145231128	no
2545	2.01e-05	-4.12	ENSG00000179526	SHARPIN	chr8	-	145225529	145225679	no
2546	2.08e-05	-6.92	ENSG00000117419	PRNPIP	chr1	-	44593151	44593526	yes,JnId_h_2864
2547	2.08e-05	-2.99	ENSG00000111802	TTRAP	chr6	-	24774326	24774818	no
2548	2.08e-05	-2.41	ENSG00000147383	NSDHL	chrX	+	151787984	151788929	no
2549	2.12e-05	-5.9	ENSG00000168495	POLR3D	chr8	+	22163854	22164624	no
2550	2.12e-05	-2.79	ENSG00000197114	ZGPAT	chr20	+	61837577	61837938	no
2551	2.16e-05	-2.63	ENSG00000099804	CDC34	chr19	+	492339	493084	no
2552	2.22e-05	-3.17	ENSG00000116350	SFRS4	chr1	-	29380745	29381086	yes,JnId_h_1852
2553	2.24e-05	-4.98	ENSG00000139370	SLC15A4	chr12	-	127860441	127860609	no
2553	2.24e-05	-5.76	ENSG00000139370	SLC15A4	chr12	-	127843720	127844854	no
2554	2.24e-05	-2.28	ENSG00000011021	CLCN6	chr1	+	11821179	11821694	yes,JnId_h_755
2555	2.27e-05	-3.26	ENSG00000150403	TMCO3	chr13	+	113193311	113193589	no
2556	2.33e-05	-2.28	ENSG00000134138	MEIS2	chr15	-	35180385	35180796	no
2556	2.33e-05	-3.8	ENSG00000134138	MEIS2	chr15	-	35178948	35179996	no
2556	2.33e-05	-2.09	ENSG00000134138	MEIS2	chr15	-	34970525	34971952	yes,JnId_h_25860
2557	2.34e-05	-3.64	ENSG00000035681	NSMAF	chr8	-	59658624	59659313	no
2558	2.46e-05	-2.22	ENSG00000147526	TACC1	chr8	+	38824630	38829702	no
2559	2.55e-05	-2.29	ENSG00000125821	DTD1	chr20	+	18516537	18516759	no
2560	2.56e-05	-2.01	ENSG00000197555	SIPAL1L1	chr14	+	71275488	71275871	no
2561	2.56e-05	-2.47	ENSG00000170854	MINA	chr3	-	99145885	99146876	no
2562	2.65e-05	-5.18	ENSG00000163743	RCHY1	chr4	-	76623381	76626900	no

2563	2.76e-05	-2.44	ENSG00000124571	XPO5	chr6	-	43635893	43636018	no
2564	2.77e-05	-2.12	ENSG00000101974	ATP11C	chrX	-	138636171	138638787	no
2565	2.77e-05	-5.5	ENSG00000156017	C9orf41	chr9	-	76821585	76822184	no
2565	2.77e-05	-2.24	ENSG00000156017	C9orf41	chr9	-	76785754	76788604	no
2566	2.81e-05	-3.24	ENSG00000176531	PHLDB3	chr19	-	48692026	48693271	no
2567	2.84e-05	-2.33	ENSG00000101290	CDS2	chr20	+	5104748 5105391	no	
2568	2.87e-05	-2.7	ENSG00000132155	RAF1	chr3	-	12602180	12602298	no
2569	2.9e-05	-2.01	ENSG00000102893	PHKB	chr16	+	46290641 46291657	no	
2570	2.98e-05	-2.11	ENSG00000005100	DHX33	chr17	-	5284956 5288557	no	
2571	3.03e-05	-2.54	ENSG00000065057	NTHL1	chr16	-	2029817 2030049	no	
2572	3.05e-05	-3.15	ENSG00000110851	PRDM4	chr12	-	106650774	106652429	no
2573	3.08e-05	-2.78	ENSG00000123066	THRAP2	chr12	-	114880766	114883586	no
2574	3.10e-05	-2.74	ENSG00000105576	TNPO2	chr19	-	12691075	12691150	no
2574	3.10e-05	-2.98	ENSG00000105576	TNPO2	chr19	-	12673886	12673991	no
2574	3.10e-05	-3.15	ENSG00000105576	TNPO2	chr19	-	12673140	12673267	no
2575	3.12e-05	-6.71	ENSG00000103091	WDR59	chr16	-	73495346	73495499	no
2575	3.12e-05	-14.34	ENSG00000103091	WDR59	chr16	-	73464975	73465843	no
2576	3.13e-05	-2.05	ENSG00000102699	PARP4	chr13	-	23984844	23984948	no
2576	3.13e-05	-3.89	ENSG00000102699	PARP4	chr13	-	23973771	23973972	no
2576	3.13e-05	-3.11	ENSG00000102699	PARP4	chr13	-	23966711	23966860	no
2576	3.13e-05	-2.37	ENSG00000102699	PARP4	chr13	-	23950231	23950414	no
2576	3.13e-05	-3.29	ENSG00000102699	PARP4	chr13	-	23906533	23907612	no
2577	3.19e-05	-20.33	ENSG00000113615	SEC24A	chr5	+	134088569	134091398	no
2578	3.22e-05	-2.14	ENSG00000171720	HDAC3	chr5	-	140980627	140981288	no
2579	3.24e-05	-4.63	ENSG00000173801	JUP	chr17	-	37164412	37165210	yes,JnId_h_34928
2580	3.30e-05	-6.78	ENSG00000184117	NIPSNAP1	chr22	-	28306974 28307244	no	
2581	3.31e-05	-2.08	ENSG00000171824	EXOSC10	chr1	-	11082365	11082530	no
2581	3.31e-05	-3.97	ENSG00000171824	EXOSC10	chr1	-	11056875	11056970	no
2581	3.31e-05	-2.75	ENSG00000113328	CCNG1	chr5	+	162797155	162797388	yes,JnId_h_66181
2581	3.31e-05	-2.6	ENSG00000113328	CCNG1	chr5	+	162803258	162804598	no
2583	3.43e-05	-3.08	ENSG00000167475	SCAMP4	chr19	+	1862889 1864444	no	
2584	3.44e-05	-2.46	ENSG00000147854	UHRF2	chr9	+	6496033 6497051	no	
2585	3.47e-05	-2.3	ENSG00000156831	NSMCE2	chr8	+	126263527	126263680	no
2585	3.47e-05	-3.49	ENSG00000156831	NSMCE2	chr8	+	126448192	126448543	no
2586	3.54e-05	-9.72	ENSG00000114127	XRN1	chr3	-	143508143	143513345	no
2587	3.56e-05	-6.3	ENSG00000196792	STRN3	chr14	-	30432761	30434537	no
2588	3.63e-05	-2.31	ENSG00000062716	TMEM49	chr17	+	55271911	55273235	no
2589	3.67e-05	-3.53	ENSG00000169696	ASPSCR1	chr17	+	77528715	77528913	no
2590	3.72e-05	-3.15	ENSG00000184677	ZBTB40	chr1	+	22688960	22689725	no
2590	3.72e-05	-3.1	ENSG00000184677	ZBTB40	chr1	+	22725282	22730234	no
2591	3.72e-05	-3.33	ENSG00000174839	FAM116A	chr3	-	57586222	57589112	yes,JnId_h_57900
2592	3.88e-05	-2.58	ENSG00000055044	Q53SA4	chr2	+	202848081	202848157	yes,JnId_h_48766
2592	3.88e-05	-3.12	ENSG00000055044	Q53SA4	chr2	+	202876354	202876596	no
2593	3.92e-05	-2.24	ENSG00000141385	AFG3L2	chr18	-	12327340	12327534	no
2593	3.92e-05	-2.09	ENSG00000141385	AFG3L2	chr18	-	12319108	12319782	no
2594	3.98e-05	-4.94	ENSG00000090447	TFAP4	chr16	-	4262660 4263000	no	
2594	3.98e-05	-3.33	ENSG00000090447	TFAP4	chr16	-	4250092 4250247	no	
2594	3.98e-05	-5.69	ENSG00000090447	TFAP4	chr16	-	4247189 4248251	no	
2595	4,00E-05	-21.28	ENSG00000120158	RCL1	chr9	+	4816858 4817337	no	
2595	4,00E-05	-6.09	ENSG00000120158	RCL1	chr9	+	4850125 4851064	no	
2596	4.06e-05	-29.4	ENSG00000102384	CENPI	chrX	+	100304478	100305326	no
2596	4.06e-05	-2.21	ENSG00000084652	TXLNA	chr1	+	32418253	32418702	no
2598	4.07e-05	-2	ENSG00000112664	NUDT3	chr6	-	34363975	34364686	no
2599	4.13e-05	-2.19	ENSG00000141480	ARRB2	chr17	+	4560533 4560788	"yes,JnId_h_32713;JnId_h_32714"	
2600	4.17e-05	-3.02	ENSG00000112234	FBXL4	chr6	-	99428055	99429038	no
2601	4.17e-05	-2.55	ENSG00000134452	FBXO18	chr10	+	5972200 5972315	yes,JnId_h_8806	
2602	4.18e-05	-2.84	ENSG00000073614	JARID1A	chr12	-	272186 272596	no	
2602	4.18e-05	-2.11	ENSG00000073614	JARID1A	chr12	-	263249 265089	no	
2603	4.19e-05	-4.01	ENSG00000031691	CENPQ	chr6	+	49567816	49568779	no
2604	4.24e-05	-3.06	ENSG00000023287	RB1CC1	chr8	-	53697569	53698972	no
2605	4.24e-05	-2.54	ENSG00000132323	ILKAP	chr2	-	238743783	238744056	no
2606	4.42e-05	-2.82	ENSG00000114956	DGUOK	chr2	+	74019545	74019657	yes,JnId_h_46330
2607	4.57e-05	-3.61	ENSG00000090263	MRPS33	chr7	-	140352436	140352804	no
2608	4.58e-05	-3.51	ENSG00000066777	ARFGEF1	chr8	-	68272451	68273887	no

2609	4.66e-05	-2.15	ENSG00000094880	CDC23	chr5	-	137551259	137552736	yes,JnId_h_65425
2610	4.67e-05	-2.75	ENSG00000174231	PRPF8	chr17	-	1534824	1534904	"yes,JnId_h_32394;JnId_h_32393"
2610	4.67e-05	-2.69	ENSG00000174231	PRPF8	chr17	-	1500673	1501000	yes,JnId_h_32348
2611	4.68e-05	-2.75	ENSG00000092853	CLSPN	chr1	-	35974405	35974794	no
2612	4.73e-05	-3.54	ENSG00000060762	BRP44L	chr6	-	166698397	166698931	no
2613	4.84e-05	-3.21	ENSG00000139684	ESD	chr13	-	46243392	46243632	no
2614	4.91e-05	-3.63	ENSG00000137075	RNF38	chr9	-	36327583	36329811	no
2615	4.92e-05	-3.69	ENSG00000166716	ZNF592	chr15	+	83144077	83144212	no
2615	4.92e-05	-2.9	ENSG00000166716	ZNF592	chr15	+	83146098	83146719	no
2616	4.95e-05	-3.24	ENSG00000162736	NCSTN	chr1	+	158581136	158581240	no
2616	4.95e-05	-3	ENSG00000162736	NCSTN	chr1	+	158586519	158586664	yes,JnId_h_6206
2616	4.95e-05	-2.07	ENSG00000162736	NCSTN	chr1	+	158594563	158595366	no
2617	4.96e-05	-2.32	ENSG00000180228	PRKRA	chr2	-	179020478	179020559	no
2617	4.96e-05	-2.42	ENSG00000180228	PRKRA	chr2	-	179004396	179005227	no
2618	4.99e-05	-4.22	ENSG00000176915	KIAA0692	chr12	-	131848277	131848490	yes,JnId_b_16674
2618	4.99e-05	-2.86	ENSG00000176915	KIAA0692	chr12	-	131829813	131829935	yes,JnId_b_16667
2618	4.99e-05	-2.35	ENSG00000176915	KIAA0692	chr12	-	131821044	131821234	yes,JnId_b_16667
2618	4.99e-05	-3.47	ENSG00000176915	KIAA0692	chr12	-	131813778	131814102	no
2619	5.06e-05	-4.33	ENSG00000167323	STIM1	chr11	+	3833509	3834215	no
2619	5.06e-05	-5.19	ENSG00000167323	STIM1	chr11	+	3945358	3945488	no
2620	5.11e-05	-7.35	ENSG00000146592	CREB5	chr7	+	28825258	28832036	no
2621	5.11e-05	-5.42	ENSG00000169446	TMEM32	chrX	-	134871897	134875008	no
2622	5.15e-05	-2.04	ENSG00000181610	MRPS23	chr17	-	53271847	53272295	no
2623	5.16e-05	-2.44	ENSG00000167702	KIFC2	chr8	+	145662546	145662709	no
2624	5.21e-05	-3.69	ENSG00000137221	TJAP1	chr6	+	43553289	43553948	"yes,JnId_h_68484;JnId_h_68486"
2625	5.22e-05	-2.31	ENSG00000184220	C3orf26	chr3	+	101369272	101369374	yes,JnId_h_58314
2626	5.28e-05	-2.34	ENSG00000204227	RING1	chr6	+	33284255	33284399	no
2626	5.28e-05	-4.1	ENSG00000204227	RING1	chr6	+	33286913	33287302	no
2627	5.3e-05	-3.45	ENSG00000165281	FANCG	chr9	-	35063835	35064213	no
2628	5.4e-05	-5.58	ENSG00000105341	Q96D43	chr19	-	46635963	46636174	yes,JnId_h_42715
2629	5.42e-05	-3.85	ENSG00000132773	TOE1	chr1	+	45577929	45578563	no
2629	5.42e-05	-3.78	ENSG00000103994	ZFP106	chr15	-	40536448	40537022	no
2631	5.43e-05	-2.19	ENSG00000152700	SAR1B	chr5	-	133969443	133970655	no
2632	5.44e-05	-2.71	ENSG00000117143	UAP1	chr1	+	160835685	160836251	no
2633	5.58e-05	-2.3	ENSG00000005700	IBTK	chr6	-	83006602	83007279	no
2634	5.64e-05	-2.91	ENSG00000178927	C17orf62	chr17	-	77997788	77997861	no
2635	5.67e-05	-2.9	ENSG00000111913	C6orf32	chr6	-	24912492	24914680	no
2636	5.7e-05	-2.79	ENSG00000100030	MAPK1	chr22	-	20472983	20473097	no
2637	5.7e-05	-2.09	ENSG00000142186	SCYL1	chr11	+	65049159	65049311	no
2638	5.76e-05	-2.68	ENSG00000198380	GFPT1	chr2	-	69405907	69406869	no
2639	5.79e-05	-5.21	ENSG00000182919	C11orf54	chr11	+	93134329	93135868	no
2640	5.8e-05	-2.46	ENSG00000139163	ETNK1	chr12	+	22729083	22729910	yes,JnId_b_13388
2641	5.84e-05	-2.29	ENSG00000148358	GPR107	chr9	+	131855526	131856173	no
2642	5.95e-05	-3.92	ENSG00000184428	TOP1MT	chr8	-	144488285	144488425	no
2642	5.95e-05	-2.9	ENSG00000184428	TOP1MT	chr8	-	144479767	144479889	no
2642	5.95e-05	-2.63	ENSG00000184428	TOP1MT	chr8	-	144469544	144469671	no
2642	5.95e-05	-4.83	ENSG00000184428	TOP1MT	chr8	-	144462910	144463088	no
2643	6,00E-05	-2.11	ENSG00000075131	TIPIN	chr15	-	64416230	64416573	no
2644	6,00E-05	-3.45	ENSG00000164944	KIAA1429	chr8	-	95569776	95570264	no
2645	6.06e-05	-2.41	ENSG00000197535	MYO5A	chr15	-	50392602	50393337	no
2646	6.17e-05	-3.16	ENSG00000000419	DPM1	chr20	-	48984811	48985180	no
2647	6.21e-05	-2.07	ENSG00000129657	SEC14L1	chr17	+	72703879	72703988	no
2648	6.3e-05	-4.29	ENSG00000104825	NFKBIB	chr19	+	44082455	44082691	no
2648	6.3e-05	-4.29	ENSG00000104825	NFKBIB	chr19	+	44091211	44091371	no
2649	6.38e-05	-2.35	ENSG00000159199	ATP5G1	chr17	+	44328016	44328229	no
2650	6.47e-05	-2.43	ENSG00000168883	USP39	chr2	+	85711355	85711580	no
2650	6.47e-05	-3.84	ENSG00000168883	USP39	chr2	+	85721610	85721752	no
2650	6.47e-05	-3.96	ENSG00000168883	USP39	chr2	+	85729395	85729916	yes,JnId_h_46593
2651	6.51e-05	-3.47	ENSG00000100726	TELO2	chr16	+	1483365	1483607	no
2652	6.52e-05	-3.78	ENSG00000197965	MPZL1	chr1	+	166000919	166001610	yes,JnId_b_4851
2653	6.53e-05	-4.68	ENSG00000148634	HERC4	chr10	-	69351671	69352902	no
2654	6.55e-05	-5.24	ENSG00000153339	KIAA1012	chr18	-	27663902	27664950	no
2655	6.56e-05	-5.43	ENSG00000163376	KBTBD8	chr3	+	67141036	67144320	no
2656	6.6e-05	-4.07	ENSG00000115514	TXNDC9	chr2	-	99301921	99302694	no

2657	6.63e-05	-2.62	ENSG00000100034	PPM1F	chr22	-	20603793	20607844	no	
2658	6.72e-05	-3.95	ENSG00000167925	GHDC	chr17	-	37598861	37599125	no	
2658	6.72e-05	-2.29	ENSG00000167925	GHDC	chr17	-	37598450	37598571	no	
2659	6.89e-05	-2.92	ENSG00000101782	RIOK3	chr18	+	19315134	19317031	no	
2660	6.91e-05	-5.41	ENSG00000149313	AASDHPPT	chr11	+	105472680	105474629	no	
2661	7.08e-05	-4.65	ENSG00000164332	UBLCP1	chr5	+	158642798	158642925	no	
2661	7.08e-05	-5.61	ENSG00000164332	UBLCP1	chr5	+	158644490	158645618	no	
2662	7.13e-05	-3.69	ENSG00000140943	MBTPS1	chr16	-	82707841	82708018	no	
2662	7.13e-05	-3.52	ENSG00000140943	MBTPS1	chr16	-	82660972	82661144	no	
2663	7.18e-05	-2.41	ENSG00000107951	PAPD1	chr10	-	30651326	30651552	no	
2663	7.18e-05	-7.72	ENSG00000107951	PAPD1	chr10	-	30641765	30642906	no	
2664	7.25e-05	-2.29	ENSG00000174953	DHX36	chr3	-	155510136	155510306	no	
2664	7.25e-05	-2.76	ENSG00000174953	DHX36	chr3	-	155476152	155476839	no	
2665	7.26e-05	-3.31	ENSG00000145604	SKP2	chr5	+	36187946	36188129	no	
2665	7.26e-05	-3.36	ENSG00000145604	SKP2	chr5	+	36199504	36199615	no	
2665	7.26e-05	-4.45	ENSG00000145604	SKP2	chr5	+	36217677	36218033	no	
2666	7.39e-05	-3.42	ENSG00000112640	PPP2R5D	chr6	+	43085038	43085165	no	
2667	7.47e-05	-3.76	ENSG00000101901	CXorf45	chrX	+	110889618	110890528	no	
2668	7.53e-05	-2.11	ENSG00000139192	TAPBPL	chr12	+	6441461	6441670	no	
2669	7.54e-05	-3.57	ENSG00000116266	STXBP3	chr1	+	109152928	109153671	no	
2670	7.6e-05	-19.78	ENSG00000169567	HINT1	chr5	-	130528687	130528935	no	
2671	7.63e-05	-6.14	ENSG00000037637	FBXO42	chr1	-	16445921	16450867	no	
2672	7.65e-05	-2.71	ENSG00000147416	ATP6V1B2	chr8	+	20098984	20099333	no	
2673	7.81e-05	-6.54	ENSG00000100372	SLC25A17	chr22	-	39495587	39496931	no	
2673	7.81e-05	-2.5	ENSG00000100239	SAPS2	chr22	+	49128626	49128845	no	
2673	7.81e-05	-2.19	ENSG00000100239	SAPS2	chr22	+	49229494	49230380	no	
2675	7.9e-05	-3.39	ENSG00000072134	EPN2	chr17	+	19172617	19172793	no	
2675	7.9e-05	-5.54	ENSG00000072134	EPN2	chr17	+	19177862	19180620	no	
2676	8.05e-05	-2.07	ENSG00000133250	ZNF414	chr19	-	8482501	8482844	no	
2677	8.06e-05	-2.87	ENSG00000092140	KIAA1333	chr14	+	30155235	30158797	no	
2678	8.21e-05	-2.38	ENSG00000108774	RAB5C	chr17	-	37560437	37560557	no	
2678	8.21e-05	-3.96	ENSG00000108774	RAB5C	chr17	-	37530526	37531442	yes,JnId_b_27845	
2679	8.26e-05	-2.5	ENSG00000196313	Q9H9X1	chr7	+	71987872	71988392	no	
2680	8.36e-05	-2.88	ENSG00000100567	PSMA3	chr14	+	57806889	57806956	no	
2680	8.36e-05	-5.63	ENSG00000100567	PSMA3	chr14	+	57808322	57808475	no	
2681	8.37e-05	-56.17	ENSG00000042286	AIFM2	chr10	-	71542036	71544091	no	
2682	8.41e-05	-3.1	ENSG00000112983	BRD8	chr5	-	137520485	137520855	yes,JnId_h_65387	
2683	8.53e-05	-6.08	ENSG00000203875	SNHG5	chr6	-	86443444	86443628	no	
2684	8.67e-05	-5.69	ENSG00000135763	KIAA0133	chr1	+	227861470	227862569	no	
2685	8.74e-05	-3.46	ENSG00000101190	TCFL5	chr20	-	60942912	60943894	no	
2686	8.77e-05	-2.21	ENSG00000185482	STAC3	chr12	-	55923509	55923960	no	
2687	8.83e-05	-3.01	ENSG00000134077	THUMP3	chr3	+	9401208	9403475	no	
2688	8.84e-05	-2.73	ENSG00000105875	Q9H9B6	chr7	-	134520525	134521607	no	
2689	8.88e-05	-2.88	ENSG00000084070	SMAP1L	chr1	+	40651275	40651361	yes,JnId_b_2055	
2690	8.9e-05	-2.57	ENSG00000166912	MTMR10	chr15	-	29018443	29022567	no	
2691	8.91e-05	-2.07	ENSG00000198805	NP	chr14	+	20010307	20010476	yes,JnId_b_17986	
2692	9.00E-05	-4.6	ENSG00000118855	MFSD1	chr3	+	160029462	160030198	no	
2693	9.04e-05	-3.02	ENSG00000169188	APEX2	chrX	+	55049676	55052215	no	
2694	9.1e-05	-3.11	ENSG00000144659	SLC25A38	chr3	+	39412893	39413722	no	
2695	9.12e-05	-3.08	ENSG00000108651	UTP6	chr17	-	27214303	27214648	no	
2696	9.19e-05	-4.16	ENSG00000008083	JARID2	chr6	+	15628279	15630232	no	
2697	9.24e-05	-2.64	ENSG00000173933	RBM4	chr11	+	66170074	66170515	no	
2698	9.3e-05	-2.64	ENSG00000123338	NCKAP1L	chr12	+	53222626	53223165	no	
2699	9.34e-05	-2.98	ENSG00000110721	CHKA	chr11	-	67594767	67594900	yes,JnId_h_14853	
2700	9.44e-05	-3.36	ENSG00000137955	RABGGTB	chr1	+	76032783	76033352	yes,JnId_b_2994	
2701	9.52e-05	-2.1	ENSG00000070785	EIF2B3	chr1	-	45112786	45113085	no	
2701	9.52e-05	-2.29	ENSG00000070785	EIF2B3	chr1	-	45089037	45089262	no	
2702	9.58e-05	-2	ENSG00000085788	DDHD2	chr8	+	38237275	38239436	no	
2703	9.61e-05	-2.41	ENSG00000198689	SLC9A6	chrX	+	134954277	134957089	no	
2704	9.65e-05	-3.2	ENSG00000089289	IGBP1	chrX	+	69270024	69270710	no	
2705	9.7e-05	-2.4	ENSG00000002822	MAD1L1	chr7	-	2222318	2222448	yes,JnId_b_56614	
2705	9.7e-05	-3.2	ENSG00000130332	LSM7	chr19	-	2272522	2272821	no	
2707	0.000100	-2.61	ENSG00000142634	EFHD2	chr1	+	15608978	15609362	no	
2708	0.000102	-2.88	ENSG00000118961	C2orf43	chr2	-	20747285	20748164	no	

2709	0.000103	-26.48	ENSG00000174010	KLHL15	chrX	-	23911758	23917068	no
2710	0.000104	-2.34	ENSG00000177731	FLII	chr17	-	18102667	18102780	no
2710	0.000104	-2.34	ENSG00000177731	FLII	chr17	-	18097340	18097497	no
2710	0.000104	-3.05	ENSG00000177731	FLII	chr17	-	18088880	18089311	no
2711	0.000104	-5.76	ENSG00000138346	DNA2L	chr10	-	69843828	69844868	no
2712	0.000104	-3.37	ENSG00000153317	DDEF1	chr8	-	131133535	131136233	no
2713	0.000105	-5.79	ENSG00000145868	FBXO38	chr5	+	147801725	147802583	no
2714	0.000107	-14.34	ENSG00000110042	DTX4	chr11	+	58728725	58732636	no
2715	0.000107	-2.06	ENSG00000170892	TSEN34	chr19	+	59388905	59389333	no
2716	0.000107	-3.53	ENSG00000169019	COMMD8	chr4	-	47147570	47148439	no
2717	0.000108	-2.01	ENSG00000136319	TTC5	chr14	-	19827144	19827745	no
2718	0.000108	-2.07	ENSG00000174744	BRMS1	chr11	-	65869019	65869158	no
2718	0.000108	-2.9	ENSG00000174744	BRMS1	chr11	-	65861380	65861936	yes,JnId_h_14551
2719	0.000109	-3.54	ENSG00000187446	Q6FHZ9	chr15	+	39358826	39361369	no
2720	0.000109	-3.16	ENSG00000198089	SFI1	chr22	+	30222261	30222623	no
2720	0.000109	-2.44	ENSG00000198089	SFI1	chr22	+	30328593	30328771	no
2721	0.000109	-2.51	ENSG00000158545	Q96MP7	chr16	+	87164320	87164475	yes,JnId_b_25514
2721	0.000109	-2.75	ENSG00000158545	Q96MP7	chr16	+	87219111	87219176	yes,JnId_b_25514
2721	0.000109	-2.23	ENSG00000158545	Q96MP7	chr16	+	87225010	87225756	no
2722	0.000110	-5.17	ENSG00000115239	ASB3	chr2	-	53750622	53751331	no
2723	0.000112	-7.17	ENSG00000159111	MRPL10	chr17	-	43255638	43256823	no
2724	0.000112	-6.83	ENSG00000198858	C19orf22	chr19	-	864087	864231	yes,JnId_h_39260
2725	0.000113	-4.51	ENSG00000110104	CCDC86	chr11	+	60366174	60366931	no
2726	0.000113	-2.75	ENSG00000148925	BTBD10	chr11	-	13366137	13367264	no
2727	0.000116	-2.79	ENSG00000177239	MAN1B1	chr9	+	139115757	139117583	no
2728	0.000118	-4.21	ENSG00000104980	TIMM44	chr19	-	7897604	7898191	no
2729	0.000119	-12.79	ENSG00000124172	ATP5E	chr20	-	57037129	57037291	no
2730	0.000119	-2.68	ENSG00000113048	MRPS27	chr5	-	71569597	71569711	no
2731	0.000120	-2.38	ENSG00000047249	ATP6V1H	chr8	-	54790669	54791137	no
2732	0.00012	-3.22	ENSG00000137500	CCDC90B	chr11	-	82650154	82650656	no
2733	0.000120	-4.75	ENSG00000119929	CUTC	chr10	+	101505372	101505881	no
2734	0.000123	-2.35	ENSG00000116353	MECR	chr1	-	29415687	29415911	no
2734	0.000123	-6.34	ENSG00000116353	MECR	chr1	-	29391972	29393278	no
2735	0.000123	-3.47	ENSG00000150990	DHX37	chr12	-	124039416	124039620	no
2735	0.000123	-2.12	ENSG00000150990	DHX37	chr12	-	124025918	124026010	yes,JnId_b_16439
2736	0.000125	-3.2	ENSG00000113384	GOLPH3	chr5	-	32160567	32162499	no
2737	0.000127	-3.46	ENSG00000120733	JMJD1B	chr5	+	137716184	137716575	no
2738	0.000128	-2.39	ENSG00000116213	WDR8	chr1	-	3537191	3538081	yes,JnId_h_338
2739	0.000136	-3.84	ENSG00000118482	PHF3	chr6	+	64473878	64474073	no
2740	0.000136	-2.21	ENSG00000198860	C1orf19	chr1	+	182308584	182309969	no
2741	0.000136	-2.46	ENSG00000185043	CIB1	chr15	-	88574481	88574741	no
2742	0.000137	-3.63	ENSG00000164338	UTP15	chr5	+	72911458	72913540	no
2743	0.000137	-4.2	ENSG00000111652	COPS7A	chr12	+	6707353	6707428	yes,JnId_h_16950
2743	0.000137	-3.46	ENSG00000111652	COPS7A	chr12	+	6710427	6711283	no
2744	0.000138	-4.95	ENSG00000176171	BNIP3	chr10	-	133631181	133632063	no
2745	0.000138	-13.53	ENSG00000188186	Q0VGL1	chr7	+	99589426	99589761	no
2746	0.000138	-6.47	ENSG00000152749	GPR180	chr13	+	94077268	94079937	no
2747	0.000139	-47.13	ENSG00000196865	NHLRC2	chr10	+	115658029	115666943	no
2748	0.000140	-2.39	ENSG00000111912	NCOA7	chr6	+	126291475	126293950	no
2749	0.000140	-2.45	ENSG00000141456	no_name	chr17	-	4553907	4554155	no
2749	0.000140	-7.55	ENSG00000141456	no_name	chr17	-	4525622	4525928	no
2749	0.000140	-4.64	ENSG00000141456	no_name	chr17	-	4525318	4525619	no
2749	0.000140	-2.25	ENSG00000141456	no_name	chr17	-	4521437	4521575	no
2750	0.000141	-12.14	ENSG00000116791	CRYZ	chr1	-	74943758	74944729	no
2751	0.000142	-2.72	ENSG00000131626	PPFIA1	chr11	+	69906757	69908148	no
2752	0.000144	-3.9	ENSG00000119599	WDR21A	chr14	+	72495073	72496109	no
2753	0.000144	-12.13	ENSG00000173046	Q8TAD7	chr12	+	104288542	104289425	no
2754	0.000146	-3.18	ENSG00000144567	C2orf17	chr2	+	219751198	219751599	no
2755	0.000147	-3.19	ENSG00000094975	C1orf9	chr1	+	170845579	170847594	no
2756	0.000152	-3.77	ENSG00000006652	IFRD1	chr7	+	111902721	111903480	no
2757	0.000153	-3.67	ENSG00000144909	OSBPL11	chr3	-	126753715	126754213	no
2757	0.000153	-6.24	ENSG00000144909	OSBPL11	chr3	-	126730392	126732114	no
2758	0.000153	-3.22	ENSG00000017260	ATP2C1	chr3	+	132199140	132199287	no
2758	0.000153	-2.26	ENSG00000017260	ATP2C1	chr3	+	132202754	132202878	no

2759	0.000156	-2.15	ENSG00000179295	PTPN11	chr12	+	111340919	111341312	no
2760	0.000157	-5.45	ENSG00000100288	CPT1B	chr22	-	49354156	49354716	no
2761	0.000158	-2.08	ENSG00000129255	MPDU1	chr17	+	7431468	7432247	no
2762	0.000158	-13.01	ENSG00000147364	FBXO25	chr8	+	408715	409890	no
2763	0.000160	-18.6	ENSG00000048140	TSPAN17	chr5	+	176012350	176014627	yes,JnId_h_66394
2764	0.000161	-32.33	ENSG00000171488	LRRC8C	chr1	+	89950856	89957680	no
2765	0.000162	-2.13	ENSG00000034510	TMSB10	chr2	+	84987024	84987310	no
2766	0.00017	-2.24	ENSG00000117640	FAM54B	chr1	+	26030999	26032016	no
2767	0.000172	-4.29	ENSG00000161091	C19orf28	chr19	-	3495198	3495730	no
2768	0.000173	-3.79	ENSG00000171097	CCBL1	chr9	-	130635044	130635743	no
2769	0.000174	-3.52	ENSG00000198373	WWP2	chr16	+	68531245	68533144	no
2770	0.000179	-3.02	ENSG00000127564	PKMYT1	chr16	-	2970288	2970475	no
2770	0.000179	-2.62	ENSG00000127564	PKMYT1	chr16	-	2964002	2964159	no
2771	0.000181	-2.74	ENSG00000131748	STARD3	chr17	+	35072583	35073214	no
2772	0.000182	-5.89	ENSG00000166946	CCNDBP1	chr15	+	41264793	41265097	no
2772	0.000182	-8.45	ENSG00000166946	CCNDBP1	chr15	+	41274217	41274680	no
2773	0.000184	-5.15	ENSG00000135336	ORC3L	chr6	+	88433455	88433883	no
2774	0.000185	-8.3	ENSG00000103343	ZNF174	chr16	+	3398322	3399361	no
2775	0.000186	-2.24	ENSG00000137824	FAM82C	chr15	-	38834087	38835341	yes,JnId_h_25977
2776	0.000187	-2.34	ENSG00000100442	FKBP3	chr14	-	44673302	44673759	no
2777	0.000188	-4.39	ENSG00000162231	NXF1	chr11	-	62329377	62329529	no
2777	0.000188	-2.26	ENSG00000162231	NXF1	chr11	-	62326225	62326308	no
2777	0.000188	-2.67	ENSG00000162231	NXF1	chr11	-	62325377	62325465	no
2777	0.000188	-3.13	ENSG00000162231	NXF1	chr11	-	62316220	62316562	no
2778	0.000188	-3.01	ENSG00000129559	NEDD8	chr14	-	23755912	23756269	no
2779	0.000189	-5.2	ENSG00000162419	GMEB1	chr1	+	28913172	28918452	no
2780	0.000189	-3.09	ENSG00000077254	USP33	chr1	-	77934260	77935747	no
2781	0.000190	-5.06	ENSG00000136143	SUCLA2	chr13	-	47460406	47460839	no
2781	0.000190	-3	ENSG00000136143	SUCLA2	chr13	-	47414792	47415581	no
2782	0.000191	-2.48	ENSG00000138442	WDR12	chr2	-	203453575	203453905	no
2783	0.000192	-8.97	ENSG00000126773	C14orf135	chr14	+	59670441	59671280	no
2784	0.000196	-2.49	ENSG00000140632	Q5U632	chr16	-	4835076	4835155	no
2784	0.000196	-2.2	ENSG00000140632	Q5U632	chr16	-	4821981	4822223	yes,JnId_h_29296
2785	0.000199	-3.49	ENSG00000141510	TP53	chr17	-	7512464	7513733	no
2786	0.000199	-3.67	ENSG00000164051	CCDC51	chr3	-	48448591	48449580	no
2787	0.000200	-5.32	ENSG00000177000	MTHFR	chr1	-	11786049	11787176	no
2788	0.000201	-4.04	ENSG00000171865	RNASEH1	chr2	-	3570258	3571336	no
2789	0.000202	-2.29	ENSG00000132763	MMACHC	chr1	+	45748788	45749326	no
2790	0.000204	-2.01	ENSG00000003056	M6PR	chr12	-	8984243	8985803	no
2791	0.000204	-3.25	ENSG00000163939	PBRM1	chr3	-	52612577	52612788	yes,JnId_b_46250
2791	0.000204	-2.52	ENSG00000163939	PBRM1	chr3	-	52567305	52567469	yes,JnId_h_57634
2792	0.000205	-3.47	ENSG00000163960	UBXD7	chr3	-	197564768	197568114	no
2793	0.000208	-3.32	ENSG00000179889	PDXDC1	chr16	+	14976370	14976578	no
2793	0.000208	-2.72	ENSG00000179889	PDXDC1	chr16	+	15035815	15035911	no
2793	0.000208	-2.36	ENSG00000179889	PDXDC1	chr16	+	15037374	15039689	no
2794	0.000212	-3	ENSG00000090861	AARS	chr16	-	68880825	68880910	yes,JnId_b_25065
2795	0.000215	-2.03	ENSG00000163161	ERCC3	chr2	-	127731336	127731773	no
2796	0.000225	-6.6	ENSG00000121766	ZCCHC17	chr1	+	31542429	31542647	no
2797	0.000229	-6.78	ENSG00000104823	ECH1	chr19	-	44014201	44014337	no
2798	0.000229	-2.86	ENSG00000077809	GTF2I	chr7	+	73771134	73771196	yes,JnId_h_72116
2799	0.000233	-3.55	ENSG00000155465	SLC7A7	chr14	-	22312287	22312765	no
2800	0.000234	-2.14	ENSG00000130303	BST2	chr19	-	17374761	17375135	no
2801	0.000235	-9.83	ENSG00000168894	Q53H81	chr2	+	85678079	85678342	no
2802	0.000235	-8.98	ENSG00000198824	C13orf8	chr13	+	114097933	114098220	yes,JnId_b_17927
2803	0.000236	-3.15	ENSG00000135775	COG2	chr1	+	228895661	228896351	no
2804	0.000249	-3.29	ENSG00000165244	ZNF367	chr9	-	98188044	98190562	no
2805	0.000255	-4.57	ENSG00000064651	SLC12A2	chr5	+	127550087	127553278	no
2806	0.000256	-2.09	ENSG00000182158	CREB3L2	chr7	-	137210267	137215837	no
2807	0.00026	-4	ENSG00000108294	PSMB3	chr17	+	34172190	34172284	yes,JnId_b_27538
2807	0.00026	-6.09	ENSG00000108294	PSMB3	chr17	+	34173898	34174003	no
2808	0.000261	-2.26	ENSG00000068885	IFT80	chr3	-	161599628	161600014	no
2809	0.000262	-2.09	ENSG00000135870	RC3H1	chr1	-	172166975	172174635	no
2810	0.000262	-2.32	ENSG00000173692	PSMD1	chr2	+	231639864	231640069	no
2810	0.000262	-3.91	ENSG00000173692	PSMD1	chr2	+	231745493	231745712	no

2811	0.000263	-2.55	ENSG00000023697	DERA	chr12	+	16004030	16004125	no	
2812	0.000268	-2.33	ENSG00000154839	C18orf24	chr18	+	46171492	46171661	no	
2813	0.000270	-5.75	ENSG00000186638	C9orf48	chr9	-	34299983	34301369	no	
2814	0.000276	-2.03	ENSG00000144560	VGLL4	chr3	-	11572544	11575301	no	
2815	0.000278	-3.59	ENSG00000146263	C6orf167	chr6	-	97783491	97784000	no	
2815	0.000278	-4.32	ENSG00000146263	C6orf167	chr6	-	97700373	97701484	no	
2816	0.000280	-2.13	ENSG00000130159	ECSIT	chr19	-	11490890	11491008	yes	JnId_h_40826
2816	0.000280	-2.01	ENSG00000130159	ECSIT	chr19	-	11477744	11478243	no	
2817	0.000283	-2.96	ENSG00000131966	ACTR10	chr14	+	57768537	57768738	no	
2817	0.000283	-4.18	ENSG00000131966	ACTR10	chr14	+	57770841	57771273	no	
2818	0.000287	-2.24	ENSG00000143940	Q6ZMW3	chr2	+	55047640	55047871	no	
2819	0.000288	-2.14	ENSG00000188976	NOC2L	chr1	-	878418	878531	no	
2820	0.000289	-6.42	ENSG00000198001	IRAK4	chr12	+	42448173	42448342	no	
2820	0.000289	-24.37	ENSG00000198001	IRAK4	chr12	+	42466750	42468164	no	
2821	0.000292	-2.06	ENSG00000158195	WASF2	chr1	-	27689084	27689256	no	
2821	0.000292	-2.12	ENSG00000158195	WASF2	chr1	-	27613914	27614044	no	
2822	0.000296	-2.67	ENSG00000140307	GTF2A2	chr15	-	57721627	57721753	no	
2822	0.000296	-2.84	ENSG00000140307	GTF2A2	chr15	-	57718358	57718648	no	
2823	0.000296	-2.68	ENSG00000005156	LIG3	chr17	+	30355405	30356201	no	
2824	0.000298	-2.25	ENSG00000103043	VAC14	chr16	-	69392201	69392572	no	
2824	0.000298	-2.17	ENSG00000103043	VAC14	chr16	-	69377619	69377769	no	
2825	0.000301	-4.94	ENSG00000175305	CCNE2	chr8	-	95961631	95963149	no	
2826	0.000303	-2.06	ENSG00000101413	C20orf77	chr20	+	36127897	36128072	no	
2827	0.000303	-23.42	ENSG00000040199	PHLPP1	chr16	-	70236355	70241448	no	
2828	0.000306	-2.19	ENSG00000178971	C17orf68	chr17	-	8082435	8082672	no	
2828	0.000306	-6.08	ENSG00000178971	C17orf68	chr17	-	8070918	8072362	no	
2829	0.000311	-2.37	ENSG00000140534	C15orf42	chr15	+	87971191	87972254	no	
2830	0.000311	-2.37	ENSG00000095485	CWF19L1	chr10	-	101982040	101983118	no	
2831	0.000313	-3.13	ENSG00000136636	KCTD3	chr1	+	213860022	213861770	no	
2832	0.000316	-2.92	ENSG00000115548	JMJD1A	chr2	+	86572673	86573350	no	
2833	0.000316	-2.63	ENSG00000156345	CCRK	chr9	-	89779107	89779488	no	
2833	0.000316	-3.54	ENSG00000156345	CCRK	chr9	-	89771181	89772394	no	
2834	0.000316	-3.85	ENSG00000051341	POLQ	chr3	-	122632968	122633954	no	
2835	0.000318	-4.05	ENSG00000125347	IRF1	chr5	-	131845200	131847666	no	
2836	0.000319	-2.38	ENSG00000111880	RNGTT	chr6	-	89376704	89379320	no	
2837	0.000324	-2.7	ENSG00000121957	GPSM2	chr1	+	109220896	109221373	no	
2838	0.000326	-5.25	ENSG00000072319	ALG13	chrX	+	110817771	110818684	yes	JnId_h_82216
2839	0.000327	-6.09	ENSG00000031823	RANBP3	chr19	-	5929072	5929151	yes	JnId_h_40087
2839	0.000327	-8.79	ENSG00000031823	RANBP3	chr19	-	5902404	5902607	"yes	JnId_h_40081;JnId_h_40086"
2839	0.000327	-4.82	ENSG00000031823	RANBP3	chr19	-	5868120	5868270	no	
2840	0.000328	-3.9	ENSG00000166595	FAM96B	chr16	-	65523469	65523704	no	
2841	0.000329	-4.31	ENSG00000123146	CD97	chr19	+	14379904	14380531	no	
2842	0.000331	-4.45	ENSG00000198742	SMURF1	chr7	-	98579285	98579659	no	
2842	0.000331	-6.59	ENSG00000198742	SMURF1	chr7	-	98463000	98466242	no	
2843	0.000332	-2.06	ENSG00000130475	FCHO1	chr19	+	17742601	17742705	yes	JnId_b_33107
2844	0.000336	-2.47	ENSG00000110514	MADD	chr11	+	47268276	47268426	yes	JnId_h_13325
2844	0.000336	-3.12	ENSG00000110514	MADD	chr11	+	47268737	47268943	yes	JnId_h_13325
2844	0.000336	-2.79	ENSG00000110514	MADD	chr11	+	47307173	47308158	yes	JnId_h_13339
2845	0.000344	-2.36	ENSG00000166685	COG1	chr17	+	68700668	68701118	no	
2846	0.000364	-4.12	ENSG00000100258	TMEM112B	chr22	-	49292877	49292987	"yes	JnId_b_44483;JnId_b_44486"
2846	0.000364	-3.05	ENSG00000100258	TMEM112B	chr22	-	49289061	49289199	no	
2847	0.000364	-2.33	ENSG00000173145	NOC3L	chr10	-	96082973	96084052	no	
2848	0.00037	-12.53	ENSG00000204155	PARG	chr10	-	50696446	50697546	no	
2849	0.000372	-2.72	ENSG00000109572	CLCN3	chr4	+	170854915	170855460	no	
2849	0.000372	-4.2	ENSG00000109572	CLCN3	chr4	+	170877633	170878731	yes	JnId_h_63087
2850	0.000374	-2.86	ENSG00000099968	BCL2L13	chr22	+	16589443	16593383	"yes	JnId_h_53161;JnId_h_53162"
2851	0.000378	-2.66	ENSG00000153207	AHCTF1	chr1	-	245069023	245070923	no	
2852	0.000381	-5.06	ENSG00000107404	DVL1	chr1	-	1274139	1274623	yes	JnId_b_84
2852	0.000381	-3.7	ENSG00000107404	DVL1	chr1	-	1264825	1265055	yes	JnId_h_148
2852	0.000381	-7.7	ENSG00000107404	DVL1	chr1	-	1264530	1264682	yes	JnId_b_75
2852	0.000381	-5.21	ENSG00000107404	DVL1	chr1	-	1260521	1261758	no	
2853	0.000383	-5.37	ENSG00000165792	METT11D1	chr14	+	20527805	20528076	no	
2854	0.000388	-18.56	ENSG00000106245	BUD31	chr7	+	98844537	98844804	yes	JnId_h_72611
2855	0.00039	-5.19	ENSG00000141030	COPS3	chr17	-	17090876	17091190	no	

2856	0.000395	-3.02	ENSG00000143374	TARS2	chr1	+	148728064	148728408	no	
2857	0.000396	-2.13	ENSG00000075711	DLG1	chr3	-	198255820	198255997	no	
2858	0.000396	-3.35	ENSG00000117479	SLC19A2	chr1	-	167699089	167701839	no	
2859	0.000397	-3.5	ENSG00000204516	MICB	chr6	+	31585538	31586880	no	
2859	0.000397	-2.26	ENSG00000082269	KIAA1411	chr6	+	71326140	71327595	no	
2861	0.000399	-5.94	ENSG00000151445	C14orf133	chr14	-	76993191	76993697	no	
2862	4,00E-04	-2.14	ENSG00000166881	Q17R72	chr12	-	55758669	55758819	no	
2863	0.000401	-3.75	ENSG00000139291	TMEM19	chr12	+	70380879	70382568	no	
2864	0.000402	-2.65	ENSG00000165806	CASP7	chr10	+	115479060	115480652	no	
2865	0.000406	-2.82	ENSG00000119041	GTF3C3	chr2	-	197344717	197344907	no	
2866	0.000409	-2.43	ENSG00000132768	DPH2	chr1	+	44210674	44211632	no	
2867	0.000409	-2.08	ENSG00000100347	SAMM50	chr22	+	42700084	42700214	no	
2868	0.00041	-3.7	ENSG00000135541	AHI1	chr6	-	135646817	135648478	no	
2869	0.000416	-4.74	ENSG00000204859	ZBTB48	chr1	+	6568854	6569599	no	
2870	0.000421	-10.42	ENSG00000115946	PNO1	chr2	+	68255371	68256593	no	
2871	0.000438	-2.67	ENSG00000151135	C12orf23	chr12	+	105889013	105891889	no	
2872	0.000439	-3.95	ENSG00000085840	ORC1L	chr1	-	52611089	52611635	no	
2873	0.000444	-4	ENSG00000123268	ATF1	chr12	+	49499685	49500327	no	
2874	0.000448	-4.18	ENSG00000204590	GNL1	chr6	-	30630811	30630947	no	
2874	0.000448	-5.91	ENSG00000204590	GNL1	chr6	-	30621633	30622069	no	
2875	0.000449	-2.4	ENSG00000143537	ADAM15	chr1	+	153301560	153301876	no	
2876	0.000454	-2.27	ENSG00000145725	HISPPD1	chr5	+	102565122	102566806	no	
2877	0.000463	-3.38	ENSG00000136159	NUDT15	chr13	+	47517797	47519283	no	
2878	0.000471	-8.9	ENSG00000104299	INT9_HUMAN	chr8	-	28681099	28681758	yes,JnId_b_59993	
2879	0.000474	-2.95	ENSG00000108443	RPS6KB1	chr17	+	55378694	55382564	no	
2880	0.000483	-2.68	ENSG00000166887	VPS39	chr15	-	40238192	40240319	no	
2881	0.000489	-2.08	ENSG00000107554	DNMBP	chr10	-	101721727	101721881	no	
2881	0.000489	-3.12	ENSG00000107554	DNMBP	chr10	-	101649666	101649813	yes,JnId_b_8021	
2882	0.00049	-13.06	ENSG00000139343	SNRPF	chr12	+	94783914	94784048	no	
2883	0.000491	-4.7	ENSG00000147471	PROSC	chr8	+	37738833	37739434	no	
2884	0.000497	-2.94	ENSG00000068903	SIRT2	chr19	-	44081986	44082304	yes,JnId_h_42364	
2885	0.000497	-2.03	ENSG00000146733	PSPH	chr7	-	56046240	56047056	no	
2886	5,00E-04	-2.22	ENSG00000141699	Q86VR2	chr17	-	38014630	38014928	no	
2887	0.000503	-4.62	ENSG00000196187	TMEM63A	chr1	-	224099860	224101256	no	
2888	0.000504	-2.67	ENSG00000111249	CUTL2	chr12	+	110232228	110232873	no	
2889	0.000506	-2.8	ENSG00000111667	USP5	chr12	+	6842611	6842802	yes,JnId_b_13167	
2890	0.000516	-3.77	ENSG00000167862	ICT1	chr17	+	70528611	70528950	no	
2891	0.000516	-2.82	ENSG00000105058	FAM32A	chr19	+	16163402	16163880	no	
2892	0.00052	-4.16	ENSG00000118503	TNFAIP3	chr6	+	138243865	138246135	no	
2893	0.000521	-2.99	ENSG00000171241	SHCBP1	chr16	-	45195641	45195874	no	
2893	0.000521	-4.31	ENSG00000171241	SHCBP1	chr16	-	45186965	45187083	no	
2893	0.000521	-4.18	ENSG00000171241	SHCBP1	chr16	-	45171978	45173467	no	
2894	0.000528	-3.38	ENSG00000127948	POR	chr7	+	75453591	75454108	no	
2895	0.000532	-2.91	ENSG00000120539	MASTL	chr10	+	27515314	27515854	yes,JnId_b_6813	
2896	0.000536	-18.06	ENSG00000128294	TPST2	chr22	-	25251712	25252233	no	
2897	0.000548	-2.91	ENSG00000116539	ASH1L	chr1	-	153571683	153574166	no	
2898	0.00055	-6	ENSG00000177548	RABEP2	chr16	-	28843925	28844574	yes,JnId_b_23790	
2899	0.000553	-3.8	ENSG00000163249	CCNYL1	chr2	+	208326557	208328213	no	
2900	0.00056	-3.23	ENSG00000124496	TRERF1	chr6	-	42300941	42304385	no	
2901	0.000563	-5.82	ENSG00000165891	E2F7	chr12	-	75939157	75942096	no	
2902	0.000565	-2.58	ENSG00000108582	CPD	chr17	+	25815732	25819825	no	
2903	0.000574	-3.19	ENSG00000100075	SLC25A1	chr22	-	17546093	17546260	no	
2904	0.000576	-2.96	ENSG00000169499	PLEKHA2	chr8	+	38877986	38878120	no	
2905	0.000586	-2.18	ENSG00000159593	APPBP1	chr16	-	65407985	65408076	no	
2905	0.000586	-3.5	ENSG00000159593	APPBP1	chr16	-	65394284	65394522	no	
2906	0.000587	-2.35	ENSG00000164091	TMEM113	chr3	-	52269441	52269557	no	
2907	0.000588	-2.74	ENSG00000164751	PXMP3	chr8	-	78057748	78058986	no	
2908	0.00059	-5.21	ENSG00000196083	IL1RAP	chr3	+	191848821	191851995	no	
2909	0.000591	-6.49	ENSG00000160957	RECQL4	chr8	-	145707480	145707746	no	
2910	0.000597	-2.97	ENSG00000167775	CD320	chr19	-	8273011	8273489	no	
2911	0.000599	-2.72	ENSG00000141562	NARF	chr17	+	78036662	78036819	no	
2912	0.000602	-4.42	ENSG00000100938	Q7Z527	chr14	+	23771488	23771893	yes,JnId_b_18344	
2912	0.000602	-3.89	ENSG00000100938	Q7Z527	chr14	+	23777635	23778285	yes,JnId_h_23217	
2913	0.000607	-2.02	ENSG00000205339	IPO7	chr11	+	9395182	9395271	yes,JnId_h_12452	

2913	0.000607	-2.35	ENSG00000205339	IPO7	chr11	+	9398737	9398821	no	
2913	0.000607	-2.33	ENSG00000205339	IPO7	chr11	+	9401900	9401999	yes	,JnId_b_9302
2913	0.000607	-2.3	ENSG00000205339	IPO7	chr11	+	9420204	9420320	no	
2913	0.000607	-2.41	ENSG00000205339	IPO7	chr11	+	9423220	9423651	no	
2914	0.000607	-2.09	ENSG0000035720	STAP1_HUMAN	chr4	+	68154609	68155206	no	
2915	0.000618	-3.16	ENSG00000162073	PAQR4	chr16	+	2959386	2959842	no	
2916	0.000621	-3.68	ENSG0000059691	PET112L	chr4	-	152811462	152811904	no	
2917	0.000621	-3.39	ENSG00000138434	SSFA2	chr2	+	182502533	182503707	no	
2917	0.000621	-3.12	ENSG00000102595	UGCGL2	chr13	-	95327157	95328111	yes	,JnId_h_22287
2919	0.000626	-4.36	ENSG00000169398	PTK2	chr8	-	141737683	141738959	no	
2920	0.000631	-2.33	ENSG00000153561	RMND5A	chr2	+	86845661	86845827	no	
2920	0.000631	-4.18	ENSG00000153561	RMND5A	chr2	+	86855165	86855930	no	
2921	0.000637	-2.69	ENSG00000111424	VDR	chr12	-	46559018	46559165	no	
2921	0.000637	-6.52	ENSG00000111424	VDR	chr12	-	46521589	46525055	no	
2922	0.00065	-2.05	ENSG00000176463	SLCO3A1	chr15	+	90506990	90507783	no	
2923	0.00065	-20.18	ENSG00000151748	SAV1	chr14	-	50170834	50171852	no	
2924	0.000654	-4.77	ENSG00000186432	KPNA4	chr3	-	161700658	161702684	no	
2925	0.000661	-3.83	ENSG00000118655	DCLRE1B	chr1	+	114255276	114258231	no	
2926	0.000663	-2.3	ENSG00000138621	PPCDC	chr15	+	73128544	73130119	no	
2927	0.000667	-2.55	ENSG00000107874	CUEDC2	chr10	-	104182273	104182408	no	
2927	0.000667	-2.9	ENSG00000107874	CUEDC2	chr10	-	104172992	104173319	no	
2928	0.00067	-2.68	ENSG00000089916	C14orf118	chr14	+	75737787	75738887	no	
2929	0.000678	-2.32	ENSG00000172432	GTPBP2	chr6	-	43701941	43702125	no	
2929	0.000678	-3.21	ENSG00000172432	GTPBP2	chr6	-	43699648	43699783	no	
2930	0.000678	-3.12	ENSG00000134815	DHX34	chr19	+	52577068	52577795	no	
2931	0.000686	-4.12	ENSG00000079134	THOC1	chr18	-	204527	204921	no	
2932	0.000696	-2.19	ENSG00000109466	KLHL2	chr4	+	166348238	166348504	no	
2932	0.000696	-11.72	ENSG00000109466	KLHL2	chr4	+	166462634	166463748	no	
2933	0.000709	-3.67	ENSG00000183010	PYCR1	chr17	-	77483560	77484543	yes	,JnId_b_29849;JnId_b_29850"
2934	0.000715	-2.23	ENSG00000164077	MON1A	chr3	-	49921312	49923321	no	
2935	0.000717	-3.3	ENSG00000186185	Q86Y91	chr17	-	40357608	40359393	yes	,JnId_b_28238
2936	0.000717	-2.96	ENSG00000114948	ADAM23	chr2	+	207190548	207191124	no	
2937	0.00072	-2.6	ENSG00000117593	DARS2	chr1	+	172093279	172094307	no	
2938	0.000736	-3.16	ENSG00000100568	VTI1B	chr14	-	67186985	67187951	no	
2939	0.000745	-2.49	ENSG00000100926	TM9SF1	chr14	-	23728203	23728854	no	
2940	0.000754	-3.35	ENSG00000112343	TRIM38	chr6	+	26091371	26093499	no	
2941	0.000763	-170.22	ENSG00000135750	KCNK1	chr1	+	231873640	231874881	no	
2942	0.000776	-2.95	ENSG00000136122	C13orf34	chr13	+	72227290	72228337	no	
2943	0.000776	-2.43	ENSG00000105443	PSCD2	chr19	+	53664424	53664595	no	
2943	0.000776	-2.78	ENSG00000105443	PSCD2	chr19	+	53674192	53674457	no	
2944	0.000789	-5.89	ENSG00000165684	SNAPC4	chr9	-	138412572	138413072	no	
2944	0.000789	-4.37	ENSG00000165684	SNAPC4	chr9	-	138389851	138390073	no	
2945	0.000801	-2.21	ENSG00000180398	MCFD2	chr2	-	46982521	46986237	yes	,JnId_h_45569
2946	0.000802	-2.77	ENSG00000124177	CHD6	chr20	-	39477240	39477692	no	
2947	0.000807	-2.92	ENSG00000103549	RNF40	chr16	+	30684247	30684321	no	
2948	0.000816	-2.54	ENSG00000183255	PTTG1IP	chr21	-	45117845	45118169	no	
2949	0.000825	-6.6	ENSG00000156709	AIFM1	chrX	-	129091018	129091284	no	
2950	0.00084	-8.43	ENSG00000181744	C3orf58	chr3	+	145191042	145193893	no	
2951	0.00086	-2	ENSG00000164885	CDK5	chr7	-	150381832	150382115	no	
2952	0.00086	-7.76	ENSG00000166902	MRPL16	chr11	-	59334653	59334921	no	
2953	0.000865	-2.27	ENSG00000087053	MTMR2	chr11	-	95296687	95297107	no	
2953	0.000865	-2.56	ENSG00000087053	MTMR2	chr11	-	95205694	95208263	no	
2954	0.000868	-2.84	ENSG00000198522	ZNF512	chr2	+	27697524	27699467	no	
2955	0.00088	-2.06	ENSG00000133597	ADCK2	chr7	+	140040932	140041378	no	
2956	0.000901	-2.52	ENSG0000006744	ELAC2	chr17	-	12836435	12837087	no	
2957	0.000902	-2.99	ENSG00000170017	ALCAM	chr3	+	106776011	106778433	no	
2958	0.000908	-8.25	ENSG00000135250	SRPK2	chr7	-	104544060	104545705	no	
2959	0.00091	-2.06	ENSG00000100335	SMCR7L	chr22	+	38228230	38228388	no	
2960	0.000911	-2.46	ENSG00000106443	PHF14	chr7	+	11041792	11041938	no	
2961	0.000912	-3.67	ENSG00000093100	MICA3_HUMAN	chr22	-	16765397	16765513	no	
2961	0.000912	-2.79	ENSG00000093100	MICA3_HUMAN	chr22	-	16763608	16763763	no	
2961	0.000912	-2.57	ENSG00000093100	MICA3_HUMAN	chr22	-	16762214	16762314	no	
2961	0.000912	-6.82	ENSG00000093100	MICA3_HUMAN	chr22	-	16704441	16704783	no	
2962	0.000926	-4.87	ENSG00000150054	MPP7	chr10	-	28379928	28383179	no	

2963	0.000933	-2.15	ENSG00000135924	DNAJB2	chr2	+	219852342	219852484	no
2963	0.000933	-4.32	ENSG00000135924	DNAJB2	chr2	+	219857598	219859330	yes,JnId_b_39543
2964	0.000944	-7.75	ENSG00000077713	SLC25A43	chrX	+	118417051	118417669	no
2965	0.000945	-4.88	ENSG00000156603	MED19	chr11	-	57227765	57228683	yes,JnId_h_13503
2966	0.000948	-2.77	ENSG00000154640	BTG3	chr21	-	17887846	17888521	no
2967	0.000956	-2.44	ENSG00000164068	RNF123	chr3	+	49724916	49725093	yes,JnId_h_57191
2968	0.000957	-11.59	ENSG00000177663	IL17RA	chr22	+	15969197	15971387	no
2969	0.000967	-2.49	ENSG00000149782	PLCB3	chr11	+	63791401	63791970	no
2969	0.000967	-2.13	ENSG00000166133	RPUSD2	chr15	+	38653018	38654183	no
2971	0.000968	-6.72	ENSG00000135473	USP52	chr12	-	54996988	54997694	no
2972	0.000969	-3.17	ENSG00000133884	DPF2	chr11	+	64875730	64877027	no
2973	0.000979	-2.06	ENSG00000172164	SNTB1	chr8	-	121619297	121620390	no
2974	0.000983	-2.78	ENSG00000126524	SBDS	chr7	-	66093559	66093723	no
2974	0.000983	-4.24	ENSG00000126524	SBDS	chr7	-	66090125	66090921	no
2975	0.000984	-5.54	ENSG00000141428	C18orf21	chr18	+	31812796	31813238	no
2976	0.000987	-2.08	ENSG0000013275	PSMC4	chr19	+	45178939	45179191	no
2977	0.000988	-2.53	ENSG00000148019	CEP78	chr9	+	80071178	80071498	no
2977	0.000988	-3.78	ENSG00000148019	CEP78	chr9	+	80075577	80076416	no
2978	0.000995	-4.13	ENSG00000127586	CHTF18	chr16	+	778166	778776	no
2979	0.000997	-3.27	ENSG00000160877	BTBD14B	chr19	+	13090109	13090268	no
2980	0.001	-3.76	ENSG00000155975	VPS37A	chr8	+	17196867	17197438	no
2981	0.00102	-3.37	ENSG00000147065	MSN	chrX	+	64864401	64864496	yes,JnId_h_81594
2981	0.00102	-2.36	ENSG00000147065	MSN	chrX	+	64866025	64866299	yes,JnId_h_81595
2981	0.00102	-3.73	ENSG00000147065	MSN	chrX	+	64869771	64869867	yes,JnId_b_65340
2982	0.00102	-5.22	ENSG00000197442	MAP3K5	chr6	-	136919878	136920649	no
2983	0.00103	-2.68	ENSG00000161996	WDR90	chr16	+	645774	646538	yes,JnId_h_28438
2983	0.00103	-5.07	ENSG00000161996	WDR90	chr16	+	652680	653434	no
2984	0.00106	-3.96	ENSG00000143228	NUF2	chr1	+	161591749	161592178	no
2985	0.00107	-2.34	ENSG00000125844	RRBP1	chr20	-	17542323	17542865	no
2986	0.00107	-2.09	ENSG00000198952	SMG5	chr1	-	154519022	154519240	no
2986	0.00107	-2.85	ENSG00000198952	SMG5	chr1	-	154509776	154509865	"yes,JnId_h_5965;JnId_h_5979"
2986	0.00107	-3.21	ENSG00000198952	SMG5	chr1	-	154504530	154504598	"yes,JnId_h_5963;JnId_h_5965"
2986	0.00107	-4.39	ENSG00000198952	SMG5	chr1	-	154488829	154488919	"yes,JnId_h_5963;JnId_h_5965"
2987	0.00108	-2.26	ENSG00000130164	LDLR	chr19	+	11076896	11077276	no
2988	0.00108	-3.61	ENSG00000119514	GALNT12	chr9	+	100609802	100610172	no
2988	0.00108	-7.8	ENSG00000119514	GALNT12	chr9	+	100651055	100652184	no
2989	0.00109	-3.73	ENSG00000106484	MEST	chr7	+	129932016	129933365	no
2990	0.00110	-3.22	ENSG00000175193	PARL	chr3	-	185029870	185030191	no
2991	0.00113	-3	ENSG00000077235	GTF3C1	chr16	-	27416459	27416643	yes,JnId_h_29931
2991	0.00113	-3.01	ENSG00000077235	GTF3C1	chr16	-	27384082	27384362	yes,JnId_h_29921
2991	0.00113	-2.66	ENSG00000077235	GTF3C1	chr16	-	27383142	27383658	no
2991	0.00113	-2.65	ENSG00000077235	GTF3C1	chr16	-	27379436	27380384	no
2992	0.00113	-12.38	ENSG00000115421	PAPOLG	chr2	+	60877701	60879600	no
2993	0.00113	-2.25	ENSG00000167670	CHAF1A	chr19	+	4393922	4394125	no
2994	0.00113	-3.97	ENSG00000152219	C11orf46	chr11	+	30314690	30316344	no
2995	0.00114	-2.82	ENSG00000132326	PER2	chr2	-	238817425	238819904	no
2996	0.00115	-2.06	ENSG00000160294	MCM3AP	chr21	-	46514743	46514905	no
2996	0.00115	-2.51	ENSG00000160294	MCM3AP	chr21	-	46481171	46481321	no
2996	0.00115	-2.52	ENSG00000160294	MCM3AP	chr21	-	46479476	46479768	no
2997	0.00118	-20.19	ENSG00000156787	WDR67	chr8	+	124183668	124185621	no
2998	0.00120	-4	ENSG00000127191	TRAF2	chr9	+	138914695	138914949	no
2998	0.00120	-2.23	ENSG00000127191	TRAF2	chr9	+	138939956	138940887	no
2999	0.00121	-2.54	ENSG00000113163	COL4A3BP	chr5	-	74702684	74705772	no
3000	0.00122	-2.05	ENSG00000146414	SHPRH	chr6	-	146247636	146249616	no
3001	0.00125	-2.31	ENSG00000157557	ETS2	chr21	+	39113297	39113564	no
3001	0.00125	-3.7	ENSG00000157557	ETS2	chr21	+	39116468	39118749	no
3002	0.00125	-2.5	ENSG00000111731	KIAA0528	chr12	-	22492808	22494092	no
3003	0.00125	-2.16	ENSG00000134109	EDEM1	chr3	+	5232514	5236642	no
3004	0.00127	-3.21	ENSG00000164808	KIAA0146	chr8	+	48810422	48811026	no
3005	0.00128	-2.33	ENSG00000065357	DGKA	chr12	+	54617459	54617594	no
3006	0.00133	-5.14	ENSG00000111247	RAD51AP1	chr12	+	4538284	4539475	no
3007	0.00133	-3.57	ENSG00000059145	UNKL	chr16	-	1388308	1388943	yes,JnId_b_22465
3007	0.00133	-2.09	ENSG00000059145	UNKL	chr16	-	1355014	1356397	no
3008	0.00135	-3.1	ENSG00000104835	SARS2	chr19	-	44097779	44098229	no

3009	0.00136	-7.17	ENSG00000166478	ZNF143	chr11	+	9505653	9506187	no	
3010	0.00137	-3.1	ENSG00000166507	NDST2	chr10	-	75231675	75232340	no	
3011	0.00137	-2.07	ENSG00000163655	GMPS	chr3	+	157104346	157104443	yes	JnId_h_59651
3012	0.00138	-2.2	ENSG00000100354	TNRC6B	chr22	+	39048804	39061757	no	
3013	0.00142	-2.45	ENSG00000135476	ESPL1	chr12	+	51950729	51950849	no	
3013	0.00142	-2.36	ENSG00000135476	ESPL1	chr12	+	51952772	51952908	no	
3013	0.00142	-2.26	ENSG00000135476	ESPL1	chr12	+	51972329	51972444	yes	JnId_h_18129
3013	0.00142	-3.3	ENSG00000135476	ESPL1	chr12	+	51973324	51973686	yes	JnId_b_14082
3014	0.00144	-2.18	ENSG00000134697	GNL2	chr1	-	37805004	37805195	no	
3015	0.00146	-2.15	ENSG00000141295	SCRN2	chr17	-	43270896	43271061	no	
3015	0.00146	-3.36	ENSG00000141295	SCRN2	chr17	-	43270057	43270815	no	
3016	0.00146	-2.99	ENSG00000103319	EEF2K	chr16	+	22204742	22205450	no	
3017	0.00146	-2.24	ENSG00000198730	CTR9	chr11	+	10756802	10757863	no	
3018	0.00146	-4.68	ENSG00000011132	APBA3	chr19	-	3704763	3704924	no	
3019	0.00147	-2.3	ENSG00000141582	CBX4	chr17	-	75427577	75427808	no	
3020	0.00147	-3.47	ENSG00000100425	BRD1	chr22	-	48567042	48567539	no	
3021	0.00148	-50.76	ENSG00000113734	BNIP1	chr5	+	172523334	172523989	no	
3022	0.00150	-12.07	ENSG00000145545	SRD5A1	chr5	+	6721315	6722675	no	
3023	0.00155	-2.24	ENSG00000116922	C1orf109	chr1	-	37921578	37921696	yes	JnId_b_1874
3023	0.00155	-4.12	ENSG00000116922	C1orf109	chr1	-	37919829	37921419	no	
3024	0.00155	-2.75	ENSG00000198356	ASNA1	chr19	+	12719787	12720137	no	
3025	0.00158	-2.36	ENSG00000136273	A4D2F2	chr7	-	47969508	47971560	yes	JnId_b_57379
3026	0.00161	-2.29	ENSG00000136940	PDCL	chr9	-	124622043	124622736	no	
3026	0.00161	-2.45	ENSG00000124164	VAPB	chr20	+	56452539	56455365	no	
3028	0.00163	-2.09	ENSG00000134532	SOX5	chr12	-	23576499	23578723	no	
3029	0.00163	-2.74	ENSG00000134262	AP4B1	chr1	-	114238893	114239637	no	
3030	0.00166	-4.81	ENSG00000115234	SNX17	chr2	+	27446893	27447177	no	
3030	0.00166	-3.83	ENSG00000115234	SNX17	chr2	+	27450456	27450546	no	
3030	0.00166	-3.04	ENSG00000115234	SNX17	chr2	+	27452977	27453499	no	
3031	0.00168	-2.18	ENSG00000154781	C3orf19	chr3	+	14687407	14689155	no	
3031	0.00168	-2.69	ENSG00000185813	PCYT2	chr17	-	77462435	77462586	no	
3031	0.00168	-2.68	ENSG00000185813	PCYT2	chr17	-	77457928	77458066	no	
3033	0.00168	-3.34	ENSG00000173950	C3orf21	chr3	-	196472573	196473152	no	
3034	0.00169	-6.66	ENSG00000103152	MPG	chr16	+	75400	75839	no	
3035	0.0017	-2.77	ENSG00000147669	POLR2K	chr8	+	101234698	101235406	no	
3036	0.00172	-4.09	ENSG00000109814	UGDH	chr4	-	39176770	39178268	no	
3037	0.00174	-2.06	ENSG00000130119	GNL3L	chrX	+	54603678	54604229	no	
3038	0.00178	-2.72	ENSG00000138398	PPIG	chr2	+	170149096	170149246	no	
3038	0.00178	-2.03	ENSG00000138398	PPIG	chr2	+	170170795	170170902	no	
3038	0.00178	-3.33	ENSG00000138398	PPIG	chr2	+	170195530	170195743	no	
3038	0.00178	-3.75	ENSG00000138398	PPIG	chr2	+	170201169	170202491	no	
3039	0.00178	-2.49	ENSG00000155034	FBXL18	chr7	-	5486739	5488088	no	
3040	0.00182	-3.58	ENSG00000158290	CUL4B	chrX	-	119558253	119558445	no	
3040	0.00182	-4.03	ENSG00000158290	CUL4B	chrX	-	119542492	119544739	no	
3041	0.00182	-3.27	ENSG00000104889	RNASEH2A	chr19	+	12785142	12785452	no	
3041	0.00182	-9.07	ENSG00000173581	CCDC106	chr19	+	60851213	60851455	no	
3043	0.00185	-2.3	ENSG00000101464	PIGU	chr20	-	32728421	32728750	no	
3044	0.00185	-2.71	ENSG00000180957	PITPNB	chr22	-	26645160	26645255	no	
3045	0.00187	-2.03	ENSG00000141968	VAV1	chr19	+	6723722	6724022	no	
3045	0.00187	-2.61	ENSG00000141968	VAV1	chr19	+	6803976	6804090	no	
3046	0.00188	-2.45	ENSG00000064102	C12orf11	chr12	-	26955378	26955517	no	
3047	0.00192	-7.97	ENSG00000197858	GPAA1	chr8	+	145209512	145209695	no	
3047	0.00192	-4.87	ENSG00000197858	GPAA1	chr8	+	145212773	145213102	no	
3048	0.00194	-3.35	ENSG00000101945	SUV39H1	chrX	+	48439930	48440138	no	
3049	0.00196	-8.27	ENSG00000099797	GPSN2	chr19	+	14501382	14501523	no	
3050	0.00199	-4.63	ENSG00000132600	PRMT7	chr16	+	66906803	66907478	no	
3051	0.00199	-9.5	ENSG00000085377	PREP	chr6	-	105832133	105833006	no	
3052	0.00199	-4.01	ENSG00000071575	TRIB2	chr2	+	12797903	12800311	no	
3053	0.00200	-2.81	ENSG00000178467	EGLX_HUMAN	chr3	+	49002345	49003047	yes	JnId_b_45803
3054	0.00200	-4.16	ENSG00000145916	RMND5B	chr5	+	177490844	177490983	no	
3055	0.00201	-2.27	ENSG00000168411	RFWD3	chr16	-	73229255	73229369	no	
3056	0.00203	-2.58	ENSG00000125534	C20orf149	chr20	+	61622521	61622691	no	
3057	0.00203	-2.22	ENSG00000101474	C20orf3	chr20	-	24898160	24898296	yes	JnId_h_50527
3058	0.00207	-9.38	ENSG00000135972	MRPS9	chr2	+	105082560	105082849	no	

3059	0.00208	-39.3	ENSG00000074935	TUBE1	chr6	-	112498673	112499466	no	
3060	0.00209	-2.32	ENSG00000143924	EML4	chr2	+	42410378	42413192	no	
3061	0.0021	-2.36	ENSG00000143436	MRPL9	chr1	-	149998743	149999281	no	
3062	0.00210	-2.1	ENSG00000070476	ZXDC	chr3	-	127639135	127639994	no	
3063	0.00214	-3.55	ENSG00000085998	POMGNT1	chr1	-	46426942	46427616	no	
3064	0.00216	-2.74	ENSG00000151694	ADAM17	chr2	-	9600733	9600865	no	
3065	0.00217	-4.62	ENSG00000008394	MGST1	chr12	+	16407996	16408610	no	
3066	0.00219	-5.78	ENSG00000130382	MLLT1	chr19	-	6230784	6230959	no	
3067	0.00221	-2.94	ENSG00000178685	PARP10	chr8	-	145131568	145131804	no	
3068	0.00221	-3.23	ENSG00000171453	POLR1C	chr6	+	43595049	43595290	no	
3068	0.00221	-2.08	ENSG00000171453	POLR1C	chr6	+	43596648	43597222	yes	JnId_h_68512
3069	0.00221	-3.2	ENSG00000011258	MBTD1	chr17	-	46623961	46625376	no	
3070	0.00226	-2.18	ENSG00000137770	CTDSPL2	chr15	+	42563714	42563852	yes	JnId_b_20811
3071	0.00228	-2.02	ENSG00000163104	SMARCAD1	chr4	+	95392790	95393181	no	
3071	0.00228	-2.21	ENSG00000163104	SMARCAD1	chr4	+	95429647	95431464	no	
3072	0.00228	-7.26	ENSG00000176783	RUFY1	chr5	+	178961499	178962178	no	
3073	0.00229	-3.15	ENSG00000204221	WDR46	chr6	-	33354860	33355129	no	
3074	0.0023	-2.36	ENSG00000177200	CHD9	chr16	+	51829756	51829999	no	
3074	0.0023	-2.51	ENSG00000177200	CHD9	chr16	+	51837008	51837263	no	
3074	0.0023	-2.05	ENSG00000177200	CHD9	chr16	+	51906236	51906457	no	
3074	0.0023	-2.39	ENSG00000177200	CHD9	chr16	+	51915433	51918283	no	
3074	0.0023	-2.15	ENSG00000163956	LRPAP1	chr4	-	3484088	3484561	no	
3076	0.00231	-3.4	ENSG00000168936	TMEM129	chr4	-	1692158	1692883	no	
3077	0.00231	-3.19	ENSG00000163463	KRTCAP2	chr1	-	153412321	153412437	no	
3078	0.00234	-4.54	ENSG00000156273	BACH1	chr21	+	29636591	29640340	no	
3079	0.00235	-3.32	ENSG00000138399	FASTKD1	chr2	-	170125143	170125541	yes	JnId_h_48055
3080	0.00236	-2.08	ENSG00000160305	DIP2A	chr21	+	46791256	46791543	no	
3080	0.00236	-5.49	ENSG00000160305	DIP2A	chr21	+	46797252	46798633	no	
3081	0.00237	-4.34	ENSG00000154814	OXNAD1	chr3	+	16319919	16320487	no	
3082	0.00238	-2.86	ENSG00000116406	EDEM3	chr1	-	182925988	182930229	no	
3083	0.00238	-8.47	ENSG00000116586	Q5VY98	chr1	+	154294693	154294925	no	
3084	0.00238	-3.98	ENSG00000048392	RRM2B	chr8	-	103320231	103320522	no	
3085	0.00238	-3.36	ENSG00000123219	CENPK	chr5	-	64849350	64850216	no	
3086	0.00239	-3.15	ENSG00000104859	SFRS16	chr19	+	50265901	50266054	no	
3087	0.00241	-2.12	ENSG00000047315	POLR2B	chr4	+	57571671	57571810	no	
3088	0.00242	-5.64	ENSG00000108523	RNF167	chr17	+	4784048	4784400	"yes	JnId_h_32778;JnId_h_32779"
3089	0.00247	-2.8	ENSG00000076924	XAB2	chr19	-	7591161	7591332	no	
3090	0.00248	-3.41	ENSG00000142459	EVI5L	chr19	+	7834310	7835861	no	
3091	0.00253	-2.3	ENSG00000140391	TSPAN3	chr15	-	75150289	75150568	yes	JnId_h_27582
3092	0.00254	-2.37	ENSG00000140157	NIPA2	chr15	-	20579242	20579363	yes	JnId_h_25624
3093	0.00255	-2.92	ENSG00000126858	RHOT1	chr17	+	27575748	27576899	no	
3094	0.00257	-2.49	ENSG00000119685	Q9UF64	chr14	+	75302158	75302464	yes	JnId_b_19457
3094	0.00257	-3.04	ENSG00000119685	Q9UF64	chr14	+	75490520	75491174	no	
3095	0.00263	-2.34	ENSG00000025772	TOMM34	chr20	-	43022262	43022541	no	
3096	0.00266	-2.35	ENSG00000196372	ASB13	chr10	-	5720837	5722799	no	
3097	0.00267	-3.64	ENSG00000119977	C10orf61	chr10	-	97413148	97414047	no	
3098	0.0027	-2.1	ENSG00000100997	ABHD12	chr20	-	25319149	25319612	no	
3099	0.00273	-2.28	ENSG00000161847	RAVER1	chr19	-	10289905	10290048	no	
3100	0.00273	-2.31	ENSG00000136861	CDK5RAP2	chr9	-	122249994	122250225	yes	JnId_b_63147
3100	0.00273	-4.12	ENSG00000136861	CDK5RAP2	chr9	-	122190968	122191391	no	
3101	0.00277	-2.61	ENSG000000091947	TMEM101	chr17	-	39444087	39445130	no	
3102	0.00277	-2.37	ENSG00000108559	NUP88	chr17	-	5260557	5260726	no	
3102	0.00277	-2.13	ENSG00000108559	NUP88	chr17	-	5231028	5231154	no	
3102	0.00277	-3.44	ENSG00000108559	NUP88	chr17	-	5230070	5230313	no	
3103	0.00280	-4.61	ENSG00000092036	C14orf94	chr14	-	22495795	22496197	no	
3104	0.00283	-6.6	ENSG00000133247	SUV420H2	chr19	+	60545395	60545560	yes	JnId_h_44006
3104	0.00283	-14.58	ENSG00000133247	SUV420H2	chr19	+	60550136	60551300	no	
3105	0.00286	-2.1	ENSG00000165650	PDZD8	chr10	-	119029990	119034972	no	
3106	0.00287	-10.58	ENSG00000145912	NOLA2	chr5	-	177509074	177509445	no	
3107	0.00289	-2.52	ENSG00000185722	ANKFY1	chr17	-	4056365	4056530	no	
3107	0.00289	-2.37	ENSG00000185722	ANKFY1	chr17	-	4013950	4017954	no	
3108	0.0029	-2.23	ENSG00000169217	CD2BP2	chr16	-	30271670	30271917	no	
3109	0.00291	-43.85	ENSG00000165983	PTER	chr10	+	16593051	16595742	no	
3110	0.00293	-4.55	ENSG00000170653	ATF7	chr12	-	52196111	52197405	no	

3111	0.00294	-6.2	ENSG00000099246	RAB18	chr10	+	27866811	27869098	no
3112	0.00294	-3.2	ENSG00000173821	RNF213	chr17	+	75933073	75936681	no
3112	0.00294	-6.54	ENSG00000173821	RNF213	chr17	+	75981740	75984680	no
3113	0.00297	-2.79	ENSG00000196924	FLNA	chrX	-	153231593	153231769	no
3114	0.00303	-4.52	ENSG00000174177	Q2VPK5	chr16	+	87305970	87306292	no
3115	0.00304	-3.06	ENSG00000146830	PERQ1	chr7	-	100123763	100125007	no
3116	0.00305	-2.63	ENSG00000093183	SEC22C	chr3	-	42569403	42569944	yes,JnId_h_56421
3117	0.00308	-3.35	ENSG00000198862	ZNF294	chr21	-	29222337	29224703	no
3118	0.00312	-2.68	ENSG00000134013	LOXL2	chr8	-	23281455	23281809	no
3118	0.00312	-4.14	ENSG00000134013	LOXL2	chr8	-	23273539	23273723	no
3118	0.00312	-2.09	ENSG00000134013	LOXL2	chr8	-	23230407	23230572	no
3118	0.00312	-3.98	ENSG00000134013	LOXL2	chr8	-	23212294	23212405	no
3119	0.00312	-17.59	ENSG00000172602	RND1	chr12	-	47537198	47538291	no
3120	0.00313	-3.44	ENSG00000114054	PCCB	chr3	+	137531437	137531695	no
3121	0.00321	-2.97	ENSG00000197045	GMFB	chr14	-	54010959	54014627	no
3122	0.00322	-2.7	ENSG00000128607	Q86Y99	chr7	+	129557613	129560829	no
3122	0.00322	-3.22	ENSG00000168096	ANKS3	chr16	-	4716981 4717179	no	
3124	0.00326	-9.65	ENSG00000115350	POLE4	chr2	+	75050044	75050366	no
3125	0.00326	-2.42	ENSG00000130396	MLLT4	chr6	+	168113311	168115552	no
3126	0.00336	-3.48	ENSG00000023041	ZDHHC6	chr10	-	114180048	114180655	no
3127	0.00336	-4.14	ENSG00000159259	CHAF1B	chr21	+	36710443	36710994	no
3128	0.00344	-2.81	ENSG00000065675	PRKCQ	chr10	-	6509111 6510330	no	
3129	0.00345	-3.81	ENSG00000091317	CMTM6	chr3	-	32519104	32519869	no
3130	0.00349	-2.09	ENSG00000078699	CBFA2T2	chr20	+	31695814	31701503	no
3131	0.00350	-7.13	ENSG00000142867	BCL10	chr1	-	85504519	85506253	no
3132	0.0036	-2.23	ENSG00000149743	TRPT1	chr11	-	63750098	63750277	no
3133	0.00362	-2.01	ENSG00000105607	GCDH	chr19	+	12869517	12869677	no
3133	0.00362	-2.02	ENSG00000105607	GCDH	chr19	+	12871282	12871782	no
3134	0.00365	-2.9	ENSG00000184661	CDCA2	chr8	+	25419943	25421353	no
3135	0.00371	-2.5	ENSG00000167110	GOLGA2	chr9	-	130060080	130060298	no
3135	0.00371	-4.07	ENSG00000167110	GOLGA2	chr9	-	130057929	130059381	no
3136	0.00372	-2.56	ENSG00000103356	EARS2	chr16	-	23441551	23442239	no
3137	0.00373	-2.33	ENSG00000159023	EPB41	chr1	+	29113678	29113867	"yes,JnId_h_1826;JnId_h_1828"
3138	0.00376	-3.02	ENSG00000150093	ITGB1	chr10	-	33287079	33287204	no
3138	0.00376	-5.22	ENSG00000150093	ITGB1	chr10	-	33229326	33230569	no
3139	0.0038	-2.31	ENSG00000067369	TP53BP1	chr15	-	41557083	41557249	yes,JnId_h_26277
3139	0.0038	-2.2	ENSG00000067369	TP53BP1	chr15	-	41501345	41501616	no
3139	0.0038	-2.73	ENSG00000067369	TP53BP1	chr15	-	41492609	41492824	no
3140	0.00387	-11.74	ENSG00000196843	ARID5A	chr2	+	96579217	96579749	yes,JnId_h_46815
3141	0.0039	-3.23	ENSG00000167112	TRUB2	chr9	-	130124400	130124842	no
3142	0.0039	-4.04	ENSG00000165832	TRUB1	chr10	+	116724872	116727424	no
3143	0.00391	-2.74	ENSG00000168615	ADAM9	chr8	+	39032253	39032448	no
3143	0.00391	-6.49	ENSG00000168615	ADAM9	chr8	+	39080283	39081934	no
3144	0.00396	-4.04	ENSG00000160117	ANKRD41	chr19	+	17253681	17253791	no
3145	0.00404	-2.42	ENSG00000136144	RCBTB1	chr13	-	49004083	49006399	no
3146	0.00405	-5.47	ENSG00000100109	TFIP11	chr22	-	25238065	25238343	no
3147	0.00407	-3.66	ENSG00000182095	Q96K91	chr7	-	5351719 5351967	no	
3147	0.00407	-2.22	ENSG00000182095	Q96K91	chr7	-	5338779 5339206	no	
3148	0.00411	-2.89	ENSG00000173209	AHSA2	chr2	+	61267256	61267555	no
3149	0.00419	-2.19	ENSG00000064601	CTSA	chr20	+	43952190	43953808	yes,JnId_h_51439
3150	0.00421	-5.67	ENSG00000092531	SNAP23	chr15	+	40610903	40612548	no
3151	0.00424	-3.56	ENSG00000163686	ABHD6	chr3	+	58198349	58198683	no
3152	0.00425	-3.01	ENSG00000120314	WDR55	chr5	+	140031038	140032113	no
3153	0.00426	-2.42	ENSG00000091009	RBM27	chr5	+	145645703	145646165	no
3154	0.00431	-2.29	ENSG00000163719	MTMR14	chr3	+	9666146 9666426	yes,JnId_h_55471	
3155	0.00435	-4.61	ENSG00000133739	LRRCC1	chr8	+	86244876	86245562	no
3155	0.00435	-2.16	ENSG00000013375	PGM3	chr6	-	83933025	83935761	no
3157	0.0044	-2.94	ENSG00000126581	BECN1	chr17	-	38215681	38216472	no
3158	0.00442	-4.87	ENSG00000144118	RALB	chr2	+	120767187	120768753	no
3159	0.00458	-3.38	ENSG00000111361	EIF2B1	chr12	-	122684045	122684200	no
3159	0.00458	-2.76	ENSG00000111361	EIF2B1	chr12	-	122680669	122680785	no
3159	0.00458	-2.05	ENSG00000111361	EIF2B1	chr12	-	122673130	122673261	no
3160	0.00460	-2.02	ENSG00000118200	CAMSAP1L1	chr1	+	199093505	199096452	no
3161	0.00468	-3.81	ENSG00000090924	PLEKHG2	chr19	+	44597472	44597740	no

3162	0.0047	-5.04	ENSG00000104231	ZFAND1	chr8	-	82776513	82777655	no
3163	0.00474	-3.47	ENSG00000101096	NFATC2	chr20	-	49592316	49592665	yes,JnId_b_41579
3164	0.00476	-7.75	ENSG00000090054	SPTLC1	chr9	-	93833248	93834661	no
3165	0.0048	-2.23	ENSG00000014123	KIAA0776	chr6	+	97107882	97109873	no
3166	0.00482	-2.52	ENSG00000060971	ACAA1	chr3	-	38153360	38153703	no
3167	0.00483	-2.14	ENSG00000103066	LYPLA3	chr16	+	66850550	66852460	no
3168	0.00486	-3.16	ENSG00000108264	TADA2L	chr17	+	32911015	32911337	no
3169	0.00489	-3.24	ENSG00000158552	ZFAND2B	chr2	+	219779759	219780008	yes,JnId_h_49191
3170	0.00495	-2.35	ENSG00000091732	ZC3HC1	chr7	-	129478297	129478469	no
3170	0.00495	-2.82	ENSG00000091732	ZC3HC1	chr7	-	129445363	129445808	no
3171	0.00496	-6.08	ENSG00000164323	KIAA1430	chr4	-	186361933	186362176	no
3172	0.00502	-2.02	ENSG00000109586	GALNT7	chr4	+	174455841	174456023	no
3172	0.00502	-2.18	ENSG00000109586	GALNT7	chr4	+	174479306	174481692	no
3173	0.00511	-2.84	ENSG00000111775	COX6A1	chr12	+	119362640	119362915	no
3174	0.00518	-2.71	ENSG00000141424	SLC39A6	chr18	-	31943197	31943706	no
3175	0.00527	-2.06	ENSG00000204351	SKIV2L	chr6	+	32045271	32045509	no
3176	0.0054	-3.83	ENSG00000175110	MRPS22	chr3	+	140551711	140551854	no
3177	0.00542	-2.25	ENSG00000115306	SPTBN1	chr2	+	54706573	54706875	no
3177	0.00542	-4.35	ENSG00000115306	SPTBN1	chr2	+	54740577	54741098	no
3178	0.00545	-2.25	ENSG00000136891	TEX10	chr9	-	102131243	102131378	no
3179	0.00548	-2.48	ENSG00000037757	Q9BV20	chr19	+	13736360	13736534	no
3180	0.00548	-2.05	ENSG00000103507	BCKDK	chr16	+	31029027	31029146	"yes,JnId_h_30397;JnId_h_30402"
3180	0.00548	-2.17	ENSG00000103507	BCKDK	chr16	+	31030122	31030211	no
3180	0.00548	-4.18	ENSG00000103507	BCKDK	chr16	+	31030691	31031611	yes,JnId_h_30409
3181	0.0055	-2.17	ENSG00000106799	TGFBR1	chr9	+	100951283	100956406	no
3182	0.00552	-2.21	ENSG00000100151	PICK1	chr22	+	36800817	36801646	no
3183	0.00556	-2.17	ENSG00000164024	METAP1	chr4	+	100179548	100179639	yes,JnId_h_62145
3183	0.00556	-3.48	ENSG00000164024	METAP1	chr4	+	100201328	100202976	no
3184	0.00557	-2.05	ENSG00000102900	NUP93	chr16	+	55430934	55431017	no
3184	0.00557	-2.74	ENSG00000102900	NUP93	chr16	+	55435912	55436177	no
3185	0.00558	-3.24	ENSG00000154217	PITPNC1	chr17	+	63119150	63120107	no
3186	0.0056	-3.19	ENSG00000135723	FHOD1	chr16	-	65820800	65821122	no
3187	0.00573	-4.15	ENSG00000133619	KRBA1	chr7	+	149061228	149062595	no
3188	0.00578	-2.37	ENSG00000168872	DDX19A	chr16	+	68963329	68964780	no
3189	0.00581	-3.35	ENSG00000124357	NAGK	chr2	+	71148955	71149350	no
3190	0.00589	-2.18	ENSG00000155304	STCH	chr21	-	14665310	14668476	no
3191	0.00593	-2.01	ENSG00000131844	MCCC2	chr5	+	70934089	70934220	no
3192	0.00599	-2.14	ENSG00000129484	PARP2	chr14	+	19895637	19895902	no
3193	0.006	-4.96	ENSG00000145088	EAF2	chr3	+	123074074	123074325	no
3194	0.00601	-5.33	ENSG00000100784	RPS6KA5	chr14	-	90406925	90408419	no
3195	0.00603	-2.85	ENSG00000137411	GTF2H4	chr6	+	30987770	30988214	yes,JnId_h_67498
3195	0.00603	-2.48	ENSG00000137411	GTF2H4	chr6	+	30989567	30990793	yes,JnId_h_67500
3196	0.00623	-2.42	ENSG00000075240	Q68EN0	chr22	+	45451708	45454344	no
3197	0.00636	-2.23	ENSG00000163159	VPS72	chr1	-	149415404	149416131	yes,JnId_h_5322
3198	0.00655	-2.72	ENSG00000182173	TSEN54	chr17	+	71031938	71032411	no
3199	0.00661	-2.01	ENSG00000005194	CIAPIN1	chr16	-	56022564	56022883	no
3200	0.00668	-2.9	ENSG00000100711	ZFYVE21	chr14	+	103269073	103269757	no
3201	0.00679	-3.87	ENSG00000149970	CNKS2	chrX	+	21580345	21582734	no
3202	0.00682	-2.5	ENSG00000042445	RETSAT	chr2	-	85422733	85424015	no
3203	0.00687	-3.52	ENSG00000149929	HIRIP3	chr16	-	29911818	29912192	no
3204	0.00696	-34.97	ENSG00000106540	C7orf36	chr7	+	39578401	39579005	no
3205	0.00699	-2.54	ENSG00000068697	LAPTM4A	chr2	-	20095892	20096521	no
3206	0.0071	-2.68	ENSG00000055211	C6orf72	chr6	+	149953556	149954577	no
3207	0.0072	-2.17	ENSG00000117280	RAB7L1	chr1	-	204003737	204006204	no
3208	0.00721	-2.49	ENSG00000138614	C15orf44	chr15	-	63658173	63659050	no
3209	0.00725	-5.88	ENSG00000165644	COMTD1	chr10	-	76665599	76665775	yes,JnId_b_7486
3210	0.00725	-3.37	ENSG00000078070	MCCC1	chr3	-	184215702	184216048	no
3211	0.00726	-48.24	ENSG00000175348	TMEM9B	chr11	-	8925417	8926598	no
3212	0.00728	-2.24	ENSG00000090905	TNRC6A	chr16	+	24733969	24734127	no
3213	0.00729	-5.36	ENSG00000140743	CDR2	chr16	-	22264758	22266645	no
3214	0.0073	-3.62	ENSG00000130713	EXOSC2	chr9	+	132558929	132559121	no
3214	0.0073	-4.71	ENSG00000130713	EXOSC2	chr9	+	132568902	132570069	no
3215	0.0073	-5.33	ENSG00000196923	PDLIM7	chr5	-	176849853	176850200	yes,JnId_h_66518
3216	0.00733	-2.53	ENSG00000011454	RABGAP1	chr9	+	124791397	124792869	yes,JnId_h_78923

3217	0.00734	-4.85	ENSG000000114744	COMMD2	chr3	-	150941222	150942195	no
3218	0.00749	-2.54	ENSG000000160447	PKN3	chr9	+	130522494	130523019	no
3219	0.00758	-2.42	ENSG00000010017	RANBP9	chr6	-	13750690	13750802	yes,JnId_b_53577
3219	0.00758	-2.36	ENSG00000010017	RANBP9	chr6	-	13733864	13733975	no
3219	0.00758	-2.78	ENSG00000010017	RANBP9	chr6	-	13729714	13730703	no
3220	0.0076	-4.07	ENSG000000197818	SLC9A8	chr20	+	47937773	47942179	no
3221	0.00779	-3.46	ENSG000000160948	VPS28	chr8	-	145623100	145623170	no
3221	0.00779	-3.37	ENSG000000160948	VPS28	chr8	-	145619996	145620323	yes,JnId_h_76788
3222	0.00781	-2.15	ENSG00000006007	GDE1_HUMAN	chr16	-	19420518	19422440	no
3223	0.00788	-2.26	ENSG000000038219	FAM44A	chr4	-	13224918	13225532	no
3223	0.00788	-4.68	ENSG000000038219	FAM44A	chr4	-	13179460	13180850	no
3224	0.00788	-2.05	ENSG000000115816	CEBPZ	chr2	-	37292490	37292686	no
3225	0.00789	-7.76	ENSG000000128654	MTX2	chr2	+	176910467	176910997	no
3226	0.00789	-5.23	ENSG000000115232	ITGA4	chr2	+	182029864	182030823	no
3226	0.00789	-4.58	ENSG000000115232	ITGA4	chr2	+	182108404	182110711	no
3227	0.00789	-4.44	ENSG000000161929	Q6UWF3	chr17	-	5052980	5054974	no
3228	0.00792	-3.64	ENSG000000183963	SMTN	chr22	+	29817661	29817833	no
3228	0.00792	-2.12	ENSG000000183963	SMTN	chr22	+	29824653	29824826	no
3229	0.008	-8.63	ENSG000000101654	RNMT	chr18	+	13721473	13721933	no
3230	0.00804	-2.3	ENSG000000064995	TAF11	chr6	-	34953533	34954475	no
3231	0.00806	-5.26	ENSG000000152240	CCDC5	chr18	+	41962039	41962279	no
3232	0.00819	-3.81	ENSG000000112062	MAPK14	chr6	+	36148628	36148739	no
3232	0.00819	-4.03	ENSG000000112062	MAPK14	chr6	+	36184135	36186513	no
3233	0.00824	-2.58	ENSG000000185246	PRPF39	chr14	+	44653810	44654552	no
3234	0.00827	-2.76	ENSG000000008710	PKD1	chr16	-	2104172	2104927	"yes,JnId_h_28856;JnId_h_28858"
3234	0.00827	-2.73	ENSG000000008710	PKD1	chr16	-	2087321	2087505	no
3235	0.00848	-2.66	ENSG000000159348	CYB5R1	chr1	-	201197620	201198450	no
3236	0.00861	-2.04	ENSG000000165516	KLHDC2	chr14	+	49304076	49305089	no
3236	0.00861	-2.53	ENSG000000069399	BCL3	chr19	+	49943820	49944143	no
3236	0.00861	-2.69	ENSG000000069399	BCL3	chr19	+	49954525	49955138	no
3238	0.00887	-2.14	ENSG000000105248	CCDC94	chr19	+	4219581	4220083	no
3239	0.00893	-25.44	ENSG000000072071	LPHN1	chr19	-	14119547	14123427	no
3240	0.00902	-4.52	ENSG000000135414	GDF11	chr12	+	54429553	54430332	no
3241	0.00902	-2.84	ENSG000000100416	TRMU	chr22	+	45131403	45131898	no
3242	0.0091	-2.66	ENSG000000102910	LONP2	chr16	+	46942993	46944908	no
3243	0.00913	-2.34	ENSG000000095059	DHPS	chr19	-	12653374	12653716	no
3243	0.00913	-3.29	ENSG000000095059	DHPS	chr19	-	12648922	12649025	no
3243	0.00913	-6.3	ENSG000000095059	DHPS	chr19	-	12647565	12647747	no
3244	0.0092	-7.8	ENSG000000140199	SLC12A6	chr15	-	32416825	32417249	no
3244	0.0092	-8.18	ENSG000000140199	SLC12A6	chr15	-	32312755	32313465	no
3245	0.00934	-4.29	ENSG000000023572	GLRX2	chr1	-	191332221	191332512	no
3246	0.0094	-2.13	ENSG000000135457	TFCP2	chr12	-	49778826	49778968	no
3246	0.0094	-3.32	ENSG000000135457	TFCP2	chr12	-	49774891	49775328	no
3247	0.00954	-2.47	ENSG000000141342	PLEKHM1	chr17	-	40886504	40887421	no
3247	0.00954	-3.25	ENSG000000141342	PLEKHM1	chr17	-	40869050	40871118	no
3248	0.00961	-3.51	ENSG000000124201	ZNFX1	chr20	-	47287890	47289244	no
3249	0.00962	-4.08	ENSG000000198894	KIAA1737	chr14	+	76649521	76653382	no
3250	0.00968	-4.48	ENSG000000197724	PHF2	chr9	+	95479691	95481684	no
3251	0.00972	-2.89	ENSG000000100522	GNPNAT1	chr14	-	52311662	52314926	no
3252	0.00973	-7.52	ENSG000000143753	DEGS1	chr1	+	222446657	222447766	no
3253	0.0098	-13.08	ENSG000000142039	CCDC97	chr19	+	46507934	46508101	no
3253	0.0098	-7.43	ENSG000000142039	CCDC97	chr19	+	46520340	46522625	no
3254	0.00984	-2.24	ENSG000000125901	MRPS26	chr20	+	2976381	2976896	no
3255	0.00994	-4.37	ENSG000000171703	TCEA2	chr20	+	62164454	62165181	no
3256	0.0100	-2.01	ENSG000000138182	MPHOSPH1	chr10	+	91476030	91476258	yes,JnId_h_10364
3257	0.0102	-29.25	ENSG000000132330	SCLY	chr2	+	238664598	238665409	yes,JnId_h_49718
3258	0.0102	-5.19	ENSG000000173409	ARV1	chr1	+	229202507	229203094	no
3259	0.0102	-2.36	ENSG000000142856	ITGB3BP	chr1	-	63761388	63761761	no
3260	0.0102	-35.34	ENSG000000138593	K0256_HUMAN	chr15	-	47068259	47072415	no
3261	0.0103	-2.12	ENSG000000120071	KIAA1267	chr17	-	41463181	41464916	no
3262	0.0105	-2.37	ENSG000000167984	NLRC3	chr16	-	3554861	3555114	no
3263	0.0105	-3	ENSG000000155849	ELMO1	chr7	-	37454803	37454981	no
3264	0.0106	-12.09	ENSG000000165675	ENOX2	chrX	-	129585031	129587100	no
3265	0.0107	-2.76	ENSG000000110090	CPT1A	chr11	-	68280148	68281774	no

3266	0.0108	-5.38	ENSG00000160113	NR2F6	chr19	-	17216752	17217151	no
3267	0.0110	-2.35	ENSG00000172943	PHF8	chrX	-	54086920	54087167	no
3268	0.0111	-2.08	ENSG00000140326	CDAN1	chr15	-	40803054	40804106	no
3269	0.0111	-2.97	ENSG00000170266	GLB1	chr3	-	33013114	33013840	no
3270	0.0112	-6.59	ENSG00000149541	B3GAT3	chr11	-	62145914	62146202	no
3271	0.0113	-3.45	ENSG00000100325	ASCC2	chr22	-	28548324	28548453	yes,JnId_h_53963
3271	0.0113	-2.72	ENSG00000100325	ASCC2	chr22	-	28539419	28539531	yes,JnId_h_53960
3272	0.0113	-3.94	ENSG00000164180	TMEM161B	chr5	-	87526781	87528061	no
3273	0.0113	-4.92	ENSG00000169490	TM2D2	chr8	-	38965484	38968221	no
3274	0.0113	-10.12	ENSG00000183814	LIN9	chr1	-	224563433	224564193	no
3274	0.0113	-7.32	ENSG00000183814	LIN9	chr1	-	224485481	224486930	no
3275	0.0113	-3.09	ENSG00000068489	PRR11	chr17	+	54635604	54635977	no
3276	0.0114	-2.01	ENSG00000068796	KIF2A	chr5	+	61689721	61689883	no
3277	0.0114	-3.68	ENSG00000115216	NRBP1	chr2	+	27504689	27505102	no
3278	0.0116	-3.31	ENSG00000138617	PARP16	chr15	-	63337487	63338936	no
3279	0.0118	-2.62	ENSG00000074582	BCS1L	chr2	+	219236101	219236399	no
3280	0.0118	-49.67	ENSG00000172239	PAIP1	chr5	-	43592441	43592947	no
3281	0.0119	-2.29	ENSG00000141503	MINK1	chr17	+	4735028	4735201	no
3282	0.0120	-3.05	ENSG00000165661	QSOX2	chr9	-	138253463	138253608	no
3282	0.0120	-3.09	ENSG00000165661	QSOX2	chr9	-	138250346	138250475	no
3282	0.0120	-2.19	ENSG00000165661	QSOX2	chr9	-	138242931	138243119	no
3283	0.0122	-2.94	ENSG00000120334	CENPL	chr1	-	172035311	172036280	no
3284	0.0123	-2.29	ENSG00000136878	USP20	chr9	+	131677410	131677579	no
3284	0.0123	-4.27	ENSG00000136878	USP20	chr9	+	131682213	131683928	no
3285	0.0124	-3.8	ENSG00000163975	MFI2	chr3	-	198230222	198231069	yes,JnId_b_48349
3286	0.0124	-2.03	ENSG00000080345	RIF1	chr2	+	152039617	152040665	no
3287	0.0127	-2.04	ENSG00000111331	OAS3	chr12	+	111892150	111895433	no
3288	0.0127	-9.53	ENSG00000118600	TMEM5	chr12	+	62488722	62489567	no
3289	0.0127	-2.27	ENSG00000168438	CDC40	chr6	+	110640029	110640168	no
3289	0.0127	-4.64	ENSG00000168438	CDC40	chr6	+	110657850	110660113	no
3290	0.0128	-75.97	ENSG00000184277	TM2D3	chr15	-	99999580	100000370	no
3291	0.0128	-2.74	ENSG00000143162	CREG1	chr1	-	165776874	165778162	no
3292	0.0129	-2.33	ENSG00000153827	TRIP12	chr2	-	230383840	230384005	yes,JnId_h_49461
3292	0.0129	-2.9	ENSG00000153827	TRIP12	chr2	-	230347057	230347221	no
3293	0.0132	-5.64	ENSG00000127952	STYXL1	chr7	-	75463592	75463853	no
3294	0.0132	-2.17	ENSG00000163346	PBXIP1	chr1	-	153183176	153184217	no
3295	0.0132	-3.14	ENSG00000162076	Q96CP2	chr16	+	2889051	2889359	no
3296	0.0133	-4.25	ENSG00000110583	NAT11	chr11	+	63469882	63469983	no
3296	0.0133	-6.68	ENSG00000110583	NAT11	chr11	+	63478386	63481020	no
3297	0.0133	-9.82	ENSG00000103160	HSDL1	chr16	-	82713389	82715834	no
3298	0.0133	-2.25	ENSG00000095564	BTAF1	chr10	+	93778527	93780058	no
3299	0.0134	-2.1	ENSG00000146463	ZMYM4	chr1	+	35597113	35597634	yes,JnId_h_2155
3299	0.0134	-2.29	ENSG00000146463	ZMYM4	chr1	+	35657658	35660132	no
3300	0.0134	-4.79	ENSG00000183617	MRPL54	chr19	+	3718259	3718562	no
3301	0.0136	-5.04	ENSG00000116741	RGS2	chr1	+	191047155	191048029	no
3302	0.0137	-2.28	ENSG00000158517	NCF1	chr7	+	73835218	73835340	no
3303	0.0138	-2.04	ENSG00000162714	ZNF496	chr1	-	245527337	245531201	no
3304	0.0140	-5.31	ENSG00000105648	IFI30	chr19	+	18145579	18145783	no
3304	0.0140	-2.75	ENSG00000105648	IFI30	chr19	+	18149659	18149927	no
3305	0.0141	-2.65	ENSG00000150938	CRIM1	chr2	+	36629172	36631782	no
3306	0.0141	-2.76	ENSG00000110497	Q9C0C7	chr11	-	46374540	46376069	no
3307	0.0142	-3.09	ENSG00000114982	Q6P3X2	chr2	-	96660776	96661007	no
3307	0.0142	-3.19	ENSG00000114982	Q6P3X2	chr2	-	96640190	96640347	no
3308	0.0143	-3.31	ENSG00000163870	GPR175	chr3	-	128774679	128775321	no
3309	0.0143	-3.18	ENSG00000123989	CHSS2_HUMAN	chr2	-	220116191	220116753	no
3310	0.0144	-2.59	ENSG00000175376	Q8N9N8	chr11	-	65520593	65522790	no
3311	0.0144	-2.11	ENSG00000117528	ABCD3	chr1	+	94755196	94756807	no
3312	0.0144	-2.36	ENSG00000067900	ROCK1	chr18	-	16883051	16883188	no
3312	0.0144	-3.25	ENSG00000067900	ROCK1	chr18	-	16801711	16801899	no
3313	0.0145	-3.69	ENSG00000007520	C16orf42	chr16	-	1341695	1341876	no
3314	0.0147	-2.78	ENSG00000008838	THRAP4	chr17	-	35428881	35429424	no
3315	0.0148	-3.59	ENSG00000140983	RHOT2	chr16	+	663481	664133	no
3316	0.0148	-2.93	ENSG00000100949	RABGGTA	chr14	-	23808537	23808740	no
3317	0.0151	-2.53	ENSG00000184205	TSPYL2	chrX	+	53133683	53134447	no

3318	0.0152	-2.32	ENSG000000113070	HBEGF	chr5	-	139702404	139702581	no
3318	0.0152	-3.28	ENSG000000113070	HBEGF	chr5	-	139692615	139694049	no
3319	0.0152	-4.31	ENSG000000160410	SHKBP1	chr19	+	45774598	45774731	no
3320	0.0153	-2.47	ENSG000000172340	SUCLG2	chr3	-	67507836	67508973	no
3321	0.0154	-2.1	ENSG000000198825	INPP5F	chr10	+	121576133	121578648	no
3322	0.0154	-2.3	ENSG000000115750	TAF1B	chr2	+	9991363 9991940	no	
3323	0.0155	-2.18	ENSG000000105171	POP4	chr19	+	34797991	34798546	no
3324	0.0156	-2.03	ENSG000000163961	RNF168	chr3	-	197683026	197684040	no
3325	0.0156	-7.23	ENSG000000006715	VPS41	chr7	-	38730069	38732451	no
3326	0.0157	-2.69	ENSG000000043514	TRIT1	chr1	-	40095505	40095676	no
3326	0.0157	-3.56	ENSG000000043514	TRIT1	chr1	-	40079295	40080172	no
3327	0.0157	-4.01	ENSG000000139323	WDR51B	chr12	-	88337636	88339165	no
3328	0.0158	-2.3	ENSG000000171606	ZNF274	chr19	+	63415339	63416739	no
3329	0.0158	-3.49	ENSG000000132635	FAM113A	chr20	-	2768857 2769332	no	
3330	0.0159	-3.13	ENSG000000106399	RPA3	chr7	-	7646476 7647331	no	
3331	0.0159	-2.05	ENSG000000168701	Q9NZZ7	chr16	+	65820380	65820682	no
3332	0.0160	-2.01	ENSG000000197355	UAP1L1	chr9	+	139092323	139092950	no
3333	0.0162	-3.49	ENSG000000130856	ZNF236	chr18	+	72809159	72811668	no
3334	0.0162	-2.12	ENSG000000095261	PSMD5	chr9	-	122626229	122626784	no
3335	0.0163	-2.01	ENSG000000143553	SNAPAP	chr1	+	151900300	151900930	no
3336	0.0163	-3.21	ENSG000000115942	ORC2L	chr2	-	201530369	201530512	no
3336	0.0163	-3.78	ENSG000000115942	ORC2L	chr2	-	201499736	201499868	no
3336	0.0163	-4.62	ENSG000000115942	ORC2L	chr2	-	201483140	201484355	no
3337	0.0166	-2.31	ENSG000000004975	DVL2	chr17	-	7078112 7078592	no	
3338	0.0166	-2.03	ENSG000000047056	WDR37	chr10	+	1165153 1168237	no	
3339	0.0166	-13.61	ENSG000000124067	LCAT	chr16	-	66535352	66536335	no
3339	0.0166	-13.42	ENSG000000124067	LCAT	chr16	-	66531154	66531882	no
3340	0.0167	-15.54	ENSG000000142512	SIGLEC10	chr19	-	56610964	56611233	no
3340	0.0167	-13.52	ENSG000000142512	SIGLEC10	chr19	-	56605388	56606437	no
3341	0.0168	-3.53	ENSG000000186577	C6orf1	chr6	-	34324482	34324882	yes,JnId_b_54511
3342	0.0169	-6.42	ENSG000000164934	WDSOF1	chr8	+	104496118	104496920	no
3342	0.0169	-6.23	ENSG000000164934	WDSOF1	chr8	+	104524199	104524376	no
3343	0.0169	-5.66	ENSG000000173867	MRPL46	chr15	-	86808938	86809111	no
3344	0.0173	-2.62	ENSG000000052749	RRP12	chr10	-	99120670	99120828	no
3344	0.0173	-3.18	ENSG000000052749	RRP12	chr10	-	99106448	99106943	no
3345	0.0174	-4.39	ENSG000000197713	RPE	chr2	+	210592638	210593319	no
3346	0.0175	-3.64	ENSG000000101365	IDH3B	chr20	-	2592571 2592651	no	
3346	0.0175	-2.8	ENSG000000101365	IDH3B	chr20	-	2587040 2587483	"yes,JnId_h_50037;JnId_h_50038;JnId_h_50038"	
3347	0.0177	-2.37	ENSG000000176444	CLK2	chr1	-	153509616	153509931	no
3347	0.0177	-3.14	ENSG000000176444	CLK2	chr1	-	153503144	153503310	"yes,JnId_h_5787;JnId_h_5786;JnId_h_5788"
3347	0.0177	-3.61	ENSG000000176444	CLK2	chr1	-	153499283	153499815	no
3348	0.0178	-6.04	ENSG000000106344	RBM28	chr7	-	127737673	127738220	no
3349	0.0179	-2.34	ENSG000000114999	TTL	chr2	+	113003484	113006452	no
3350	0.018	-2.44	ENSG000000125686	PPARBP	chr17	-	34860817	34861030	no
3351	0.0182	-2.17	ENSG000000183751	TBL3	chr16	+	1962065 1962207	no	
3351	0.0182	-3.29	ENSG000000183751	TBL3	chr16	+	1968554 1968752	no	
3352	0.0184	-5.18	ENSG000000106952	TNFSF8	chr9	-	116732210	116732591	no
3353	0.0184	-9.21	ENSG000000120798	NR2C1	chr12	-	93948345	93948780	yes,JnId_h_19326
3354	0.0186	-3.84	ENSG000000104731	KLHDC4	chr16	+	86298920	86299182	yes,JnId_b_25482
3355	0.0187	-3.69	ENSG000000175115	PACS1	chr11	+	65594400	65594889	no
3355	0.0187	-6	ENSG000000111897	SERINC1	chr6	-	122806195	122808023	no
3357	0.0188	-7.35	ENSG000000186470	BTN3A2	chr6	+	26473377	26473559	no
3358	0.0188	-2.91	ENSG000000109775	C4orf20	chr4	-	186558482	186558626	no
3359	0.0195	-36.44	ENSG000000204642	HLA-F	chr6	+	29799929	29800204	no
3360	0.0199	-2.06	ENSG000000104884	ERCC2	chr19	-	50549828	50549949	no
3360	0.0199	-4.27	ENSG000000104884	ERCC2	chr19	-	50546686	50546819	no
3361	0.0199	-2.08	ENSG000000059588	TARBP1	chr1	-	232680542	232681472	no
3362	0.0200	-5.4	ENSG000000028310	BRD9	chr5	-	942702 942881	no	
3362	0.0200	-2.94	ENSG000000028310	BRD9	chr5	-	916856 917683	no	
3363	0.0201	-3.15	ENSG000000114544	SLC41A3	chr3	-	127207890	127208758	yes,JnId_h_58810
3364	0.0201	-7.16	ENSG000000141560	Q6FIG5	chr17	+	78277998	78279178	no
3365	0.0203	-3.93	ENSG000000168310	IRF2	chr4	-	185632527	185632697	no
3366	0.0210	-14.02	ENSG000000071859	FAM50A	chrX	+	153331751	153331861	no
3366	0.0210	-26.37	ENSG000000071859	FAM50A	chrX	+	153331966	153332202	no

3367	0.0212	-2.54	ENSG00000066117	SMARCD1	chr12	+	48765402	48765596	no	
3367	0.0212	-3.71	ENSG00000066117	SMARCD1	chr12	+	48768571	48768687	yes	JnId_h_17965
3368	0.0213	-2.34	ENSG00000165689	SDCCAG3	chr9	-	138424601	138424880	no	
3369	0.0214	-2.79	ENSG00000154429	C1orf96	chr1	-	227523381	227527781	no	
3370	0.0215	-3.18	ENSG00000118193	KIF14	chr1	-	198787248	198789518	no	
3371	0.0215	-5.15	ENSG00000172273	MIZF	chr11	+	118510004	118510974	yes	JnId_h_16197
3372	0.0218	-2.4	ENSG00000136492	BRIP1	chr17	-	57114767	57116283	no	
3373	0.0219	-5.42	ENSG00000125449	ARMC7	chr17	+	70636367	70637955	no	
3374	0.022	-6.69	ENSG00000111877	MCM9	chr6	-	119273463	119274633	no	
3375	0.022	-2.95	ENSG00000085721	RRN3	chr16	-	15061380	15063263	no	
3376	0.0221	-4.95	ENSG00000168538	Q7Z392	chr4	+	184870747	184871738	no	
3377	0.0223	-60.31	ENSG00000106299	WASL	chr7	-	123109237	123111870	no	
3378	0.0224	-2	ENSG00000110660	SLC35F2	chr11	-	107234594	107234864	no	
3379	0.0224	-2.59	ENSG00000104689	TNFRSF10A	chr8	-	23104009	23105471	no	
3380	0.0229	-4.07	ENSG00000027697	IFNGR1	chr6	-	137560314	137561469	no	
3381	0.0231	-2.17	ENSG00000141441	FAM59A	chr18	+	28101489	28102726	no	
3382	0.0231	-5.36	ENSG00000198873	GRK5	chr10	+	121204471	121205121	no	
3383	0.0233	-2.98	ENSG00000103544	Q7L371	chr16	+	19491942	19492064	no	
3383	0.0233	-29.24	ENSG00000103544	Q7L371	chr16	+	19619201	19619943	no	
3384	0.0234	-7.62	ENSG00000143457	GOLPH3L	chr1	-	148885330	148887848	no	
3385	0.0236	-3.53	ENSG00000145715	RASA1	chr5	+	86722373	86723487	no	
3386	0.0236	-3.25	ENSG00000163541	SUCLG1	chr2	-	84530284	84530387	no	
3386	0.0236	-3.03	ENSG00000163541	SUCLG1	chr2	-	84512143	84512294	no	
3387	0.0237	-2.05	ENSG00000051825	MPHOSPH9	chr12	-	122271872	122272395	no	
3387	0.0237	-2.5	ENSG00000051825	MPHOSPH9	chr12	-	122206901	122207408	no	
3388	0.0239	-3.08	ENSG00000198624	CCDC69	chr5	-	150583677	150583847	no	
3389	0.0239	-2.26	ENSG00000090889	KIF4A	chrX	+	69556637	69557407	no	
3390	0.0239	-20.57	ENSG00000111678	C12orf57	chr12	+	6923546	6923597	no	
3391	0.024	-2.18	ENSG00000157379	DHRS1	chr14	-	23829649	23830041	no	
3392	0.0241	-7.34	ENSG00000171105	INSR	chr19	-	7093827	7094101	no	
3392	0.0241	-14.95	ENSG00000171105	INSR	chr19	-	7067049	7068421	no	
3393	0.0246	-4.16	ENSG00000089818	NECAP1	chr12	+	8139905	8141616	no	
3394	0.0247	-4.35	ENSG00000115687	PASK	chr2	+	241694385	241694811	no	
3395	0.0248	-4.39	ENSG00000160551	TAOK1	chr17	+	24893705	24895628	no	
3396	0.0253	-4.17	ENSG00000149679	CABLES2	chr20	-	60415366	60415728	no	
3396	0.0253	-2.22	ENSG00000149679	CABLES2	chr20	-	60397087	60399562	no	
3397	0.0254	-2.08	ENSG00000112984	KIF20A	chr5	+	137550684	137551304	no	
3398	0.0256	-2.07	ENSG00000088808	PPP1R13B	chr14	-	103269842	103271285	no	
3399	0.0256	-2.01	ENSG00000062194	GPBP1	chr5	+	56507032	56507984	no	
3399	0.0256	-3.26	ENSG00000062194	GPBP1	chr5	+	56582538	56582735	no	
3399	0.0256	-4.05	ENSG00000062194	GPBP1	chr5	+	56594178	56594666	no	
3400	0.0258	-3.38	ENSG00000146143	PRIM2A	chr6	+	57298682	57299120	no	
3401	0.0258	-3.09	ENSG00000204427	A2BEY3	chr6	-	31762715	31763051	no	
3402	0.0258	-4.11	ENSG00000135049	AGTPBP1	chr9	-	87351275	87352021	no	
3403	0.0259	-2.16	ENSG00000152382	TADA1L	chr1	-	165092371	165093580	no	
3404	0.0260	-2.17	ENSG00000051009	C11orf56	chr11	-	6202185	6202513	no	
3404	0.0260	-2.56	ENSG00000051009	C11orf56	chr11	-	6195177	6195956	no	
3405	0.0267	-4.03	ENSG00000020426	MNAT1	chr14	+	60504700	60505149	yes	JnId_b_18983
3406	0.0269	-2.8	ENSG00000117984	CTSD	chr11	-	1741598	1741798	no	
3407	0.0270	-4.58	ENSG00000204273	HLA-DOB	chr6	-	32890799	32891068	no	
3408	0.0272	-2.27	ENSG00000188191	PRKAR1B	chr7	-	585419	585540	no	
3409	0.0274	-2.27	ENSG00000106723	SPIN1	chr9	+	90279813	90283429	no	
3410	0.0277	-2.18	ENSG00000185453	Q86XI8	chr19	+	53389722	53390987	no	
3411	0.0282	-3.68	ENSG00000141325	CCDC45	chr17	+	59964183	59964522	no	
3412	0.029	-3.25	ENSG00000143499	SMYD2	chr1	+	212576670	212577097	no	
3413	0.0294	-3.1	ENSG00000126107	HECTD3	chr1	-	45246499	45246960	"yes	JnId_h_2916;JnId_h_2927"
3414	0.0300	-2.15	ENSG00000140694	PARN	chr16	-	14628464	14628545	no	
3414	0.0300	-4.79	ENSG00000140694	PARN	chr16	-	14612002	14612167	no	
3415	0.0304	-7.05	ENSG00000085274	MYNN	chr3	+	170986898	170988027	no	
3416	0.0304	-2.07	ENSG00000142731	PLK4	chr4	+	129033890	129034023	no	
3417	0.0305	-14.31	ENSG00000196476	C20orf96	chr20	-	199524	199908	no	
3418	0.0308	-2.25	ENSG00000130755	GMFG	chr19	-	44510957	44511028	yes	JnId_b_34036
3419	0.0313	-2.75	ENSG00000136152	COG3	chr13	+	44965483	44965622	no	
3419	0.0313	-2.83	ENSG00000136152	COG3	chr13	+	45006838	45008766	no	

3420	0.0314	-4.47	ENSG00000164916	FOXK1	chr7	+	4768341	4777600	no	
3421	0.0314	-4.19	ENSG00000112742	TTK	chr6	+	80808555		80808958	no
3422	0.0317	-2.7	ENSG00000105185	PDCD5	chr19	+	37769604		37769675	no
3423	0.0319	-3.7	ENSG00000164168	TMEM34	chr4	+	148774770		148776120	no
3424	0.0320	-3.4	ENSG00000104866	Q8IWK3	chr19	+	50288058		50288625	no
3425	0.0323	-2.7	ENSG00000167264	DUS2L	chr16	+	66670153		66670727	no
3426	0.0324	-2.47	ENSG00000170962	PDGFD	chr11	-	103283131		103285757	no
3427	0.0327	-5.54	ENSG00000001461	NPAL3	chr1	+	24668063		24672053	no
3428	0.0329	-2.02	ENSG00000087299	L2HGDH	chr14	-	49782933		49783721	no
3429	0.0333	-3.07	ENSG00000143224	PPOX	chr1	+	159403514		159403648	no
3429	0.0333	-4.22	ENSG00000143224	PPOX	chr1	+	159405407		159405597	yes,JnId_b_4723
3429	0.0333	-2.09	ENSG00000143224	PPOX	chr1	+	159407448		159407634	no
3430	0.0336	-2.96	ENSG00000137656	BUD13	chr11	-	116133692		116133876	no
3430	0.0336	-6.86	ENSG00000137656	BUD13	chr11	-	116124096		116124501	no
3431	0.0336	-2.27	ENSG00000111145	ELK3	chr12	+	95184991		95185739	no
3432	0.0342	-2.04	ENSG00000029639	TFB1M	chr6	-	155674014		155674165	no
3433	0.0345	-2.81	ENSG00000198874	TYW1	chr7	+	66340730		66341931	no
3434	0.0346	-3.01	ENSG00000204218	RGL2	chr6	-	33374625		33375059	no
3435	0.0347	-2.85	ENSG00000147601	TERF1	chr8	+	74083670		74084176	no
3436	0.0350	-5.23	ENSG00000184481	MLLT7	chrX	+	70238652		70240110	no
3437	0.0352	-2.07	ENSG00000122884	P4HA1	chr10	-	74436981		74438056	no
3438	0.0362	-2.91	ENSG00000169241	RAG1AP1	chr1	+	153377280		153377953	no
3439	0.0367	-4.32	ENSG00000108669	PSCD1	chr17	-	74181727		74183846	no
3440	0.0367	-2.15	ENSG00000130590	SAMD10	chr20	-	62081174		62081439	no
3441	0.0367	-4.24	ENSG00000116857	TMEM9	chr1	-	199389600		199390191	"yes,JnId_h_7096;JnId_h_7095"
3442	0.0368	-3.63	ENSG00000139990	WDR22	chr14	-	68689235		68689473	no
3443	0.0371	-2.87	ENSG00000205356	Q7Z6L1	chr7	-	97683993		97684751	no
3444	0.0374	-12.37	ENSG00000075089	ACTR6	chr12	+	99117996		99118828	no
3445	0.0375	-6.47	ENSG00000114013	CD86	chr3	+	123320975		123322672	no
3446	0.0375	-4.36	ENSG00000156876	SASS6	chr1	-	100321707		100323578	no
3447	0.0376	-12.83	ENSG00000130748	TMEM160	chr19	-	52243505		52243739	no
3448	0.0378	-3.24	ENSG00000162729	IGSF8	chr1	-	158334823		158335103	no
3449	0.0378	-4.02	ENSG00000173273	TNKS	chr8	+	9671570	9677266	no	
3450	0.0379	-3.37	ENSG00000058453	CROCC	chr1	+	17159840		17160212	yes,JnId_b_781
3450	0.0379	-2.46	ENSG00000058453	CROCC	chr1	+	17169335		17169535	yes,JnId_h_963
3451	0.038	-5.94	ENSG00000167987	VPS37C	chr11	-	60654306		60656587	no
3452	0.0387	-2.9	ENSG00000111335	OAS2	chr12	+	111932562		111933911	no
3453	0.0388	-3.56	ENSG00000119541	VPS4B	chr18	-	59207407		59209289	no
3454	0.039	-2.06	ENSG00000140854	KATNB1	chr16	+	56348227		56348657	no
3455	0.0391	-2.24	ENSG00000167548	MLL2	chr12	-	47726310		47726474	no
3456	0.0393	-2.44	ENSG00000100038	TOP3B	chr22	-	20660012		20660179	no
3456	0.0393	-2.4	ENSG00000100038	TOP3B	chr22	-	20642864		20643065	no
3457	0.0394	-3.9	ENSG00000125351	UPF3B	chrX	-	118869486		118869592	no
3457	0.0394	-4.96	ENSG00000125351	UPF3B	chrX	-	118852017		118853018	no
3458	0.0398	-2.29	ENSG00000178028	DMAP1	chr1	+	44458276		44458568	no
3459	0.0405	-2.54	ENSG00000092330	TINF2	chr14	-	23779110		23779201	no
3460	0.0406	-2.98	ENSG00000162441	LZIC	chr1	-	9911584	9913102	no	
3461	0.0406	-2.55	ENSG0000007541	PIGQ	chr16	+	572884	574109	no	
3462	0.0412	-31.39	ENSG00000129315	CCNT1	chr12	-	47396565		47397048	no
3463	0.0412	-2.18	ENSG00000164506	STXBP5	chr6	+	147747543		147748584	no
3464	0.0419	-5.33	ENSG00000004139	SARM1	chr17	+	23747303		23752173	no
3465	0.042	-7.23	ENSG00000096093	EFHC1	chr6	+	52425445		52427044	yes,JnId_b_55105
3466	0.0421	-2.29	ENSG00000080815	PSEN1	chr14	+	72755595		72756862	no
3467	0.0422	-2.12	ENSG00000117174	Clorf181	chr1	-	85891079		85892369	no
3468	0.0424	-2.28	ENSG00000130479	MAP1S	chr19	+	17692745		17692846	no
3469	0.044	-2.09	ENSG00000131652	THOC6	chr16	+	3017579	3017756	yes,JnId_h_29089	
3470	0.0441	-3.47	ENSG00000028116	VRK2	chr2	+	58168980		58169085	no
3471	0.0444	-2.34	ENSG00000182557	SPNS3	chr17	+	4337850	4338247	no	
3472	0.0447	-14.14	ENSG00000161179	Q2YDT4	chr22	-	20314140		20314353	no
3472	0.0447	-3	ENSG00000161179	Q2YDT4	chr22	-	20312378		20313076	yes,JnId_h_53548
3473	0.0449	-4.55	ENSG00000173153	ESRRA	chr11	+	63829616		63829784	yes,JnId_b_10674
3474	0.0452	-2.16	ENSG00000205593	FAM116B	chr22	-	49098909		49099021	yes,JnId_b_44422
3474	0.0452	-2.35	ENSG00000205593	FAM116B	chr22	-	49095401		49095495	"yes,JnId_b_44408;JnId_b_44414"
3475	0.0452	-4.18	ENSG00000177054	ZDHHC13	chr11	+	19153945		19154542	no

3476	0.0454	-4.34	ENSG00000092094	OSGEP	chr14	-	19985056	19985278	no
3477	0.0456	-2.75	ENSG00000116128	BCL9	chr1	+	145562267	145564641	no
3478	0.0459	-4.01	ENSG00000125746	EML2	chr19	-	50804500	50804886	no
3479	0.0462	-11.76	ENSG00000181544	FANCB	chrX	-	14792603	14793623	no
3480	0.0462	-3.43	ENSG00000164494	PDSS2	chr6	-	107580454	107582674	no
3481	0.0464	-2.58	ENSG00000111679	PTPN6	chr12	+	6940087 6940369	no	
3482	0.0466	-2.2	ENSG00000140598	EFTUD1	chr15	-	80230861	80231819	no
3483	0.0468	-7.17	ENSG00000073169	Q5JZ81	chr22	+	48981535	48982146	no
3484	0.0475	-3.16	ENSG00000103051	COG4	chr16	-	69114777	69114958	no
3485	0.0476	-2.92	ENSG00000066654	THUMPD1	chr16	-	20660332	20660907	no
3485	0.0476	-3.43	ENSG00000066654	THUMPD1	chr16	-	20652492	20655181	no
3486	0.0482	-2.79	ENSG00000145216	FIP1L1	chr4	+	53951933	53952063	yes,JnId_b_49316
3487	0.0486	-5.69	ENSG00000099992	TBC1D10A	chr22	-	29052662	29052921	no
3487	0.0486	-6.14	ENSG00000099992	TBC1D10A	chr22	-	29017980	29018840	no
3488	0.0489	-2.31	ENSG00000145996	CDKAL1	chr6	+	21339058	21340614	no
3489	0.0493	-10.93	ENSG00000147400	CETN2	chrX	-	151746173	151747130	no
3490	0.0497	-2.12	ENSG00000137171	KLC4	chr6	+	43137027	43137309	no